

Data File : VN054159.D
Acq On : 12 Mar 2019 10:55
Operator : JC/SP
Sample : VSTDIC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Quant Time: Mar 13 02:36:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 02:32:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1573987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2353620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2050546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	958897	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	345788	20.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.38%	
35) Dibromofluoromethane	7.59	113	315923	20.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.62%	
50) Toluene-d8	10.09	98	1151018	20.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.06%	
62) 4-Bromofluorobenzene	12.40	95	392366	20.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	320016	21.453	ug/l	99
3) Chloromethane	2.06	50	293820	20.277	ug/l	99
4) Vinyl Chloride	2.19	62	326796	19.732	ug/l	97
5) Bromomethane	2.58	94	220725	19.242	ug/l	99
6) Chloroethane	2.71	64	195830	19.542	ug/l	100
7) Trichlorofluoromethane	3.02	101	425587	19.327	ug/l	100
8) Diethyl Ether	3.41	74	211948	21.122	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	345829	20.958	ug/l	99
10) Methyl Iodide	3.94	142	417049	18.761	ug/l	99
11) Tert butyl alcohol	4.82	59	114593	99.595	ug/l	100
12) 1,1-Dichloroethene	3.73	96	342358	20.937	ug/l	99
13) Acrolein	3.60	56	92958	85.606	ug/l	98
14) Allyl chloride	4.32	41	439206	20.934	ug/l	99
15) Acrylonitrile	5.00	53	488312	103.738	ug/l	99
16) Acetone	3.82	43	528779	110.482	ug/l	99
17) Carbon Disulfide	4.04	76	837311	20.426	ug/l	100
18) Methyl Acetate	4.33	43	202992	20.963	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	844889	20.845	ug/l	100
20) Methylene Chloride	4.55	84	315656	20.086	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	324165	20.690	ug/l	99
22) Diisopropyl ether	5.96	45	841654	20.100	ug/l	98
23) Vinyl Acetate	5.90	43	3165787	102.542	ug/l	99
24) 1,1-Dichloroethane	5.85	63	553938	20.603	ug/l	99
25) 2-Butanone	6.84	43	602087	107.182	ug/l	100
26) 2,2-Dichloropropane	6.82	77	480305	20.315	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	358161	20.491	ug/l	99
28) Bromochloromethane	7.19	49	220606	20.071	ug/l	99
29) Tetrahydrofuran	7.22	42	364845	101.015	ug/l	100
30) Chloroform	7.37	83	581576	20.730	ug/l	99
31) Cyclohexane	7.65	56	523783	20.104	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	525937	20.757	ug/l	99
36) 1,1-Dichloropropene	7.79	75	431620	19.913	ug/l	98
37) Ethyl Acetate	6.94	43	255550	19.983	ug/l	100
38) Carbon Tetrachloride	7.77	117	464653	20.442	ug/l	98

Data File : VN054159.D
Acq On : 12 Mar 2019 10:55
Operator : JC/SP
Sample : VSTDIC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Quant Time: Mar 13 02:36:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 02:32:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	535278	20.072	ug/l	99
40) Benzene	8.04	78	1284259	20.706	ug/l	100
41) Methacrylonitrile	7.18	41	129228	18.898	ug/l	92
42) 1,2-Dichloroethane	8.13	62	433263	20.690	ug/l	99
43) Isopropyl Acetate	8.17	43	435804	19.936	ug/l	99
44) Trichloroethene	8.83	130	400137	20.767	ug/l	97
45) 1,2-Dichloropropane	9.12	63	314758	20.437	ug/l	99
46) Dibromomethane	9.21	93	214358	20.599	ug/l	99
47) Bromodichloromethane	9.40	83	434417	20.824	ug/l	95
48) Methyl methacrylate	9.20	41	229298	20.669	ug/l	99
49) 1,4-Dioxane	9.20	88	63117	402.224	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1160166	100.285	ug/l	100
52) Toluene	10.16	92	801186	20.372	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	432301	19.384	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	497841	20.479	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	293703	20.453	ug/l	99
56) Ethyl methacrylate	10.43	69	332900	19.442	ug/l	99
57) 1,3-Dichloropropane	10.71	76	486217	20.707	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	639078	97.068	ug/l	100
59) 2-Hexanone	10.75	43	773534	100.488	ug/l	99
60) Dibromochloromethane	10.90	129	326183	20.181	ug/l	100
61) 1,2-Dibromoethane	11.00	107	300610	20.600	ug/l	100
64) Tetrachloroethene	10.63	164	422837	21.328	ug/l	98
65) Chlorobenzene	11.43	112	922198	20.482	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	339073	20.731	ug/l	99
67) Ethyl Benzene	11.51	91	1523445	20.412	ug/l	99
68) m/p-Xylenes	11.62	106	1188615	40.746	ug/l	98
69) o-Xylene	11.95	106	587808	20.671	ug/l	99
70) Styrene	11.96	104	908078	20.361	ug/l	100
71) Bromoform	12.13	173	216451	18.895	ug/l #	99
73) Isopropylbenzene	12.25	105	1572289	20.494	ug/l	100
74) N-amyl acetate	12.07	43	343631	20.179	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	322513	19.731	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	411552	28.806	ug/l #	100
77) Bromobenzene	12.53	156	407671	20.082	ug/l	99
78) n-propylbenzene	12.59	91	1709290	20.534	ug/l	100
79) 2-Chlorotoluene	12.67	91	1017931	20.337	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1299111	20.358	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	76696	18.447	ug/l	95
82) 4-Chlorotoluene	12.77	91	1003312	20.075	ug/l	99
83) tert-Butylbenzene	12.99	119	1186843	20.206	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1286342	20.547	ug/l	100
85) sec-Butylbenzene	13.17	105	1566905	20.570	ug/l	99
86) p-Isopropyltoluene	13.29	119	1376854	20.603	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	694067	20.290	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	680555	20.248	ug/l	99
89) n-Butylbenzene	13.61	91	1055272	20.783	ug/l	100
90) Hexachloroethane	13.87	117	216487	19.564	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	691627	20.682	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51812	20.485	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
Quantitation Report (Not Reviewed)

Data File : VN054159.D
Acq On : 12 Mar 2019 10:55
Operator : JC/SP
Sample : VSTDICC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Mar 13 02:36:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 02:32:37 2019
Response via : Initial Calibration

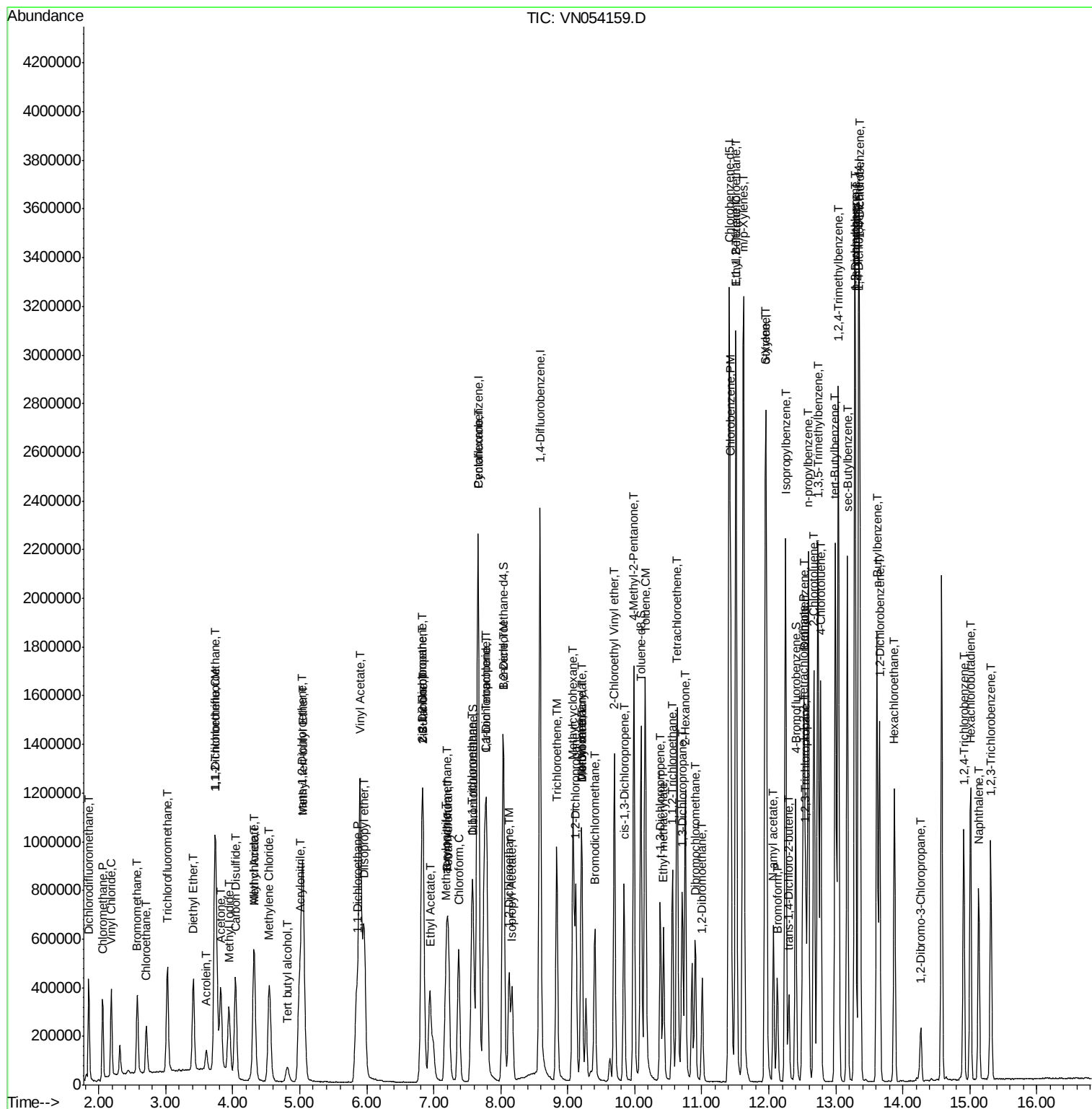
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	364386	19.657	ug/l	100
94) Hexachlorobutadiene	15.01	225	267015	20.963	ug/l	100
95) Naphthalene	15.13	128	712868	19.243	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	374085	21.054	ug/l	100

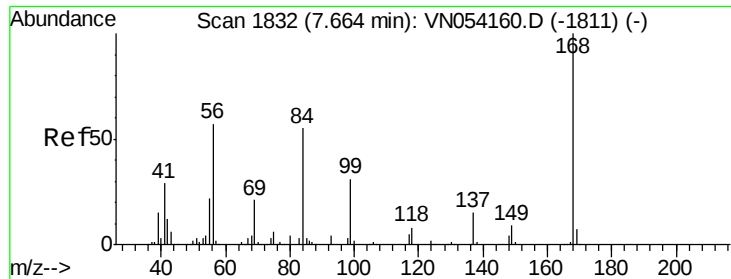
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN054159.D
Acq On : 12 Mar 2019 10:55
Operator : JC/SP
Sample : VSTDIC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sample ID :
VSTDIC020

Quant Time: Mar 13 02:36:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 02:32:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

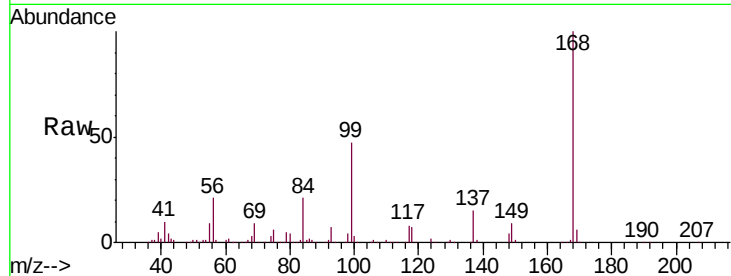
VSTDIC020

Tgt Ion:168 Resp: 1573987

Ion Ratio Lower Upper

168 100

99 46.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

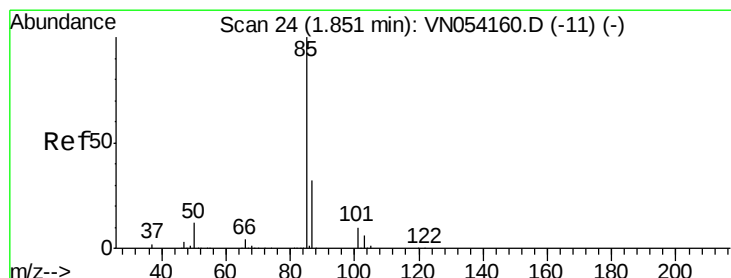
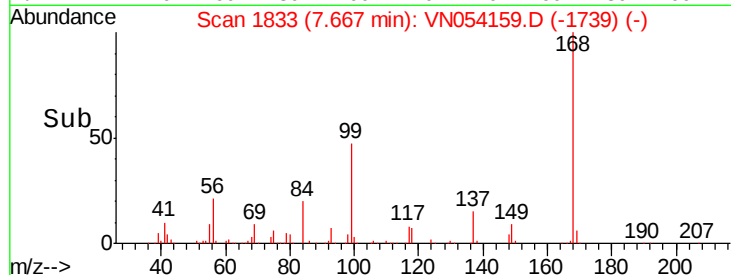
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.453 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054159.D

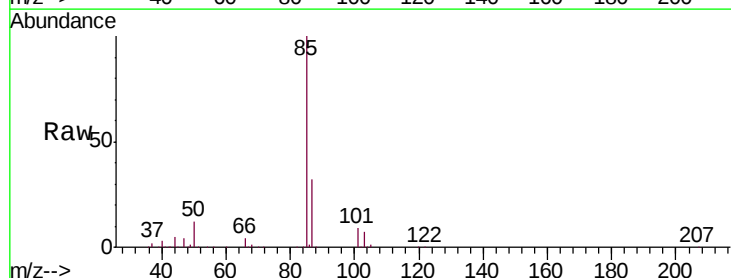
Acq: 12 Mar 2019 10:55

Tgt Ion: 85 Resp: 320016

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

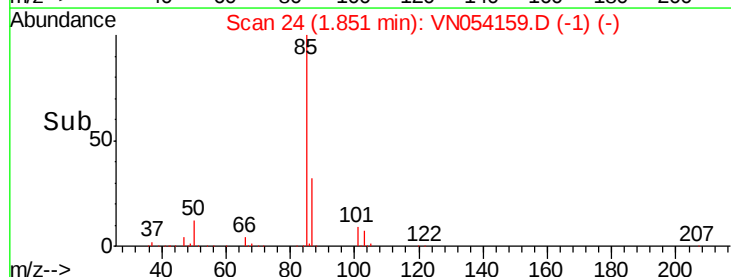
150000

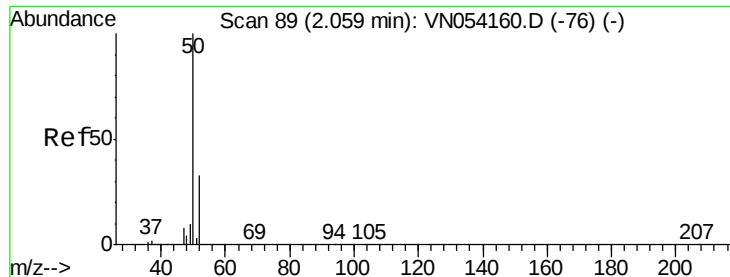
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.277 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

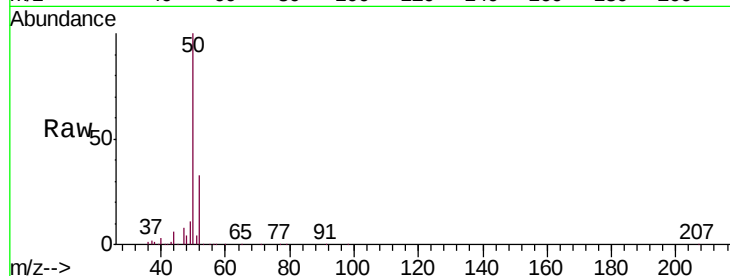
VSTDIC020

Tgt Ion: 50 Resp: 293820

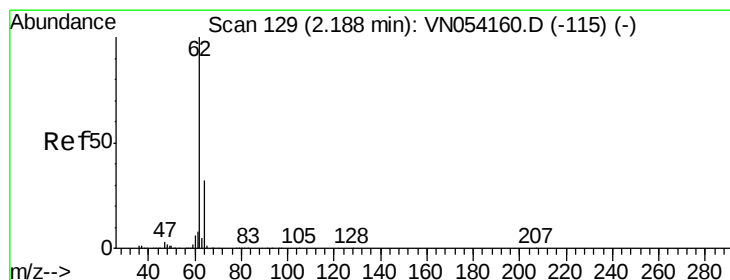
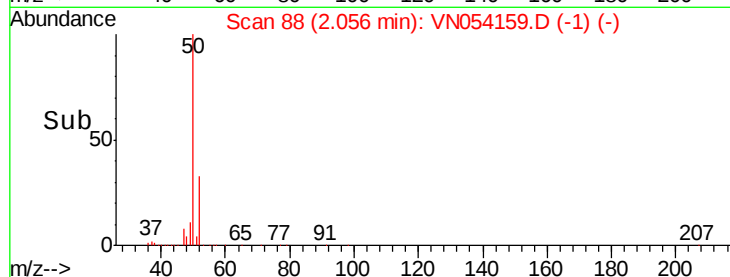
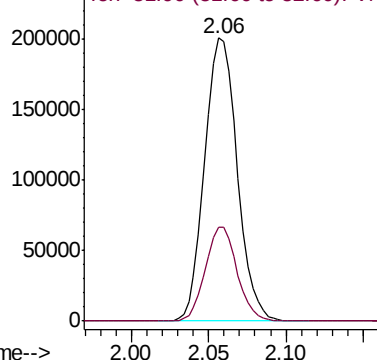
Ion Ratio Lower Upper

50 100

52 33.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.732 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054159.D

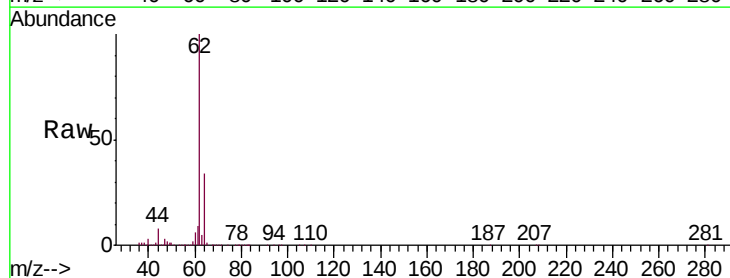
Acq: 12 Mar 2019 10:55

Tgt Ion: 62 Resp: 326796

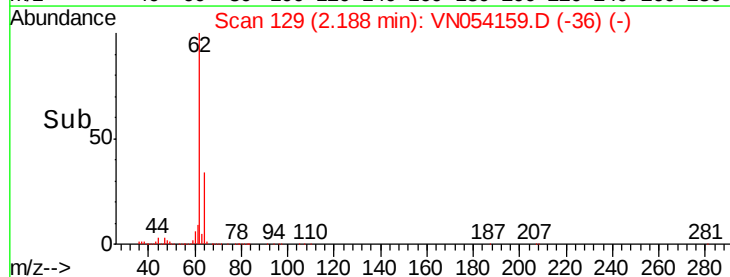
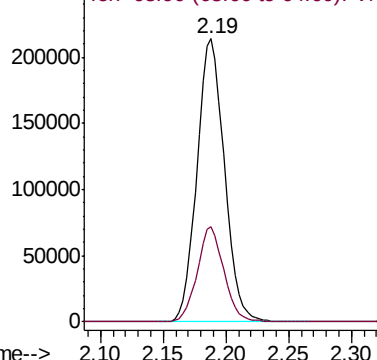
Ion Ratio Lower Upper

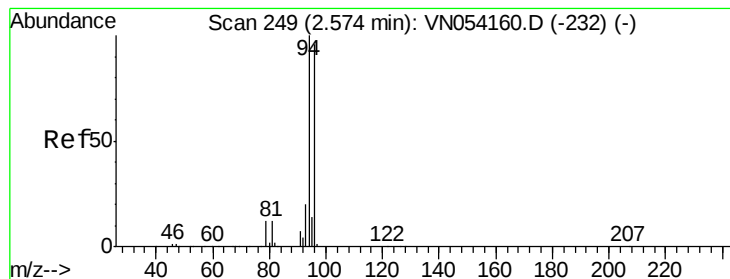
62 100

64 33.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.242 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

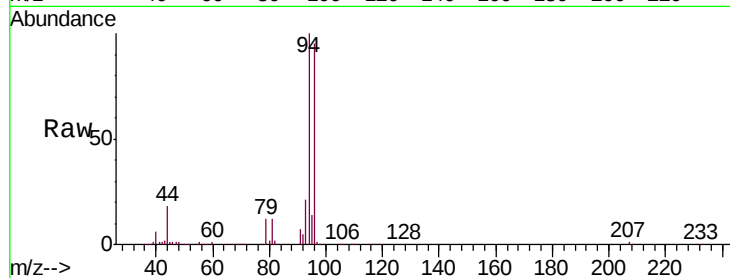
VSTDIC020

Tgt Ion: 94 Resp: 220725

Ion Ratio Lower Upper

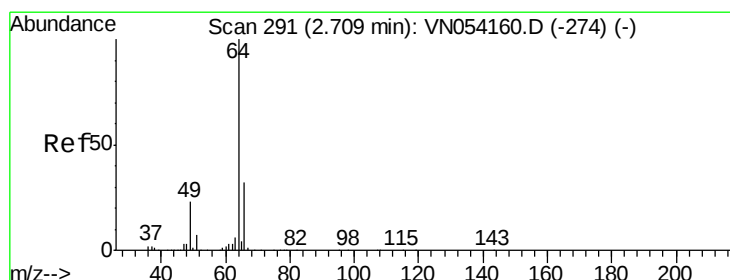
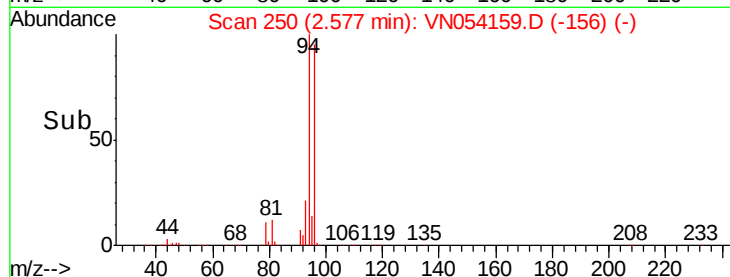
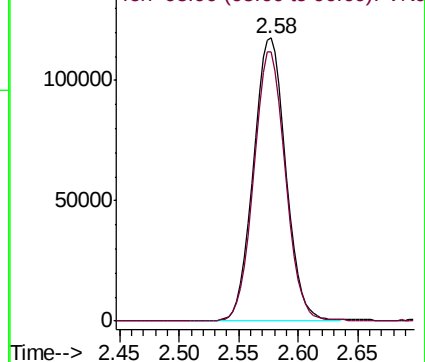
94 100

96 95.3 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.542 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054159.D

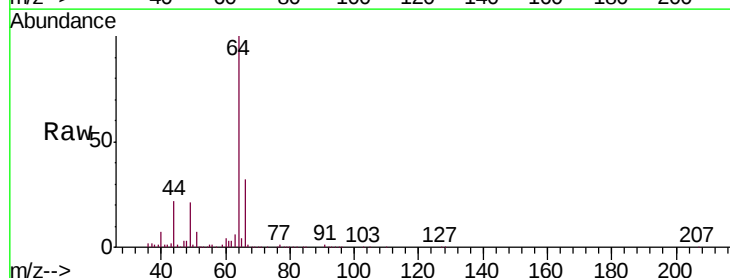
Acq: 12 Mar 2019 10:55

Tgt Ion: 64 Resp: 195830

Ion Ratio Lower Upper

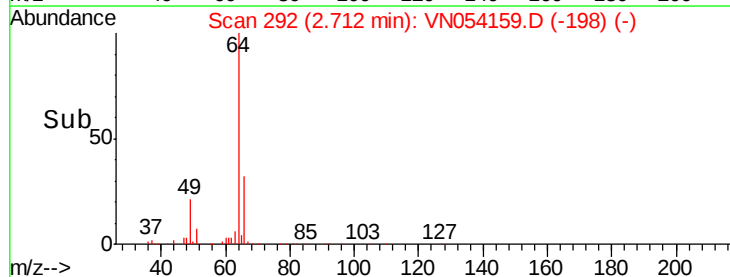
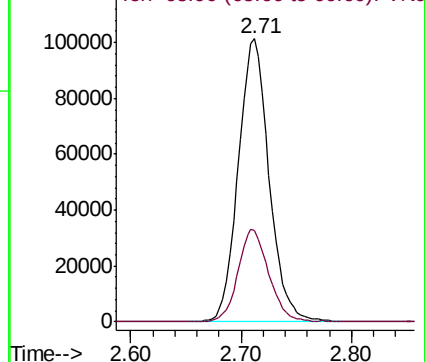
64 100

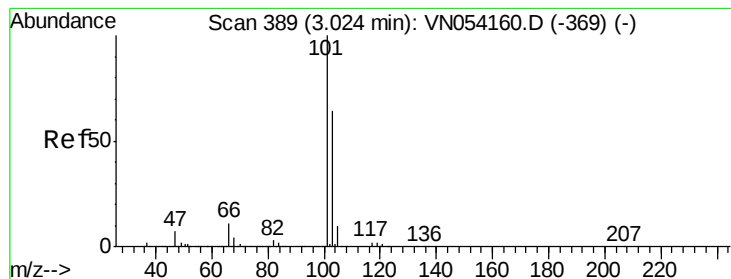
66 31.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



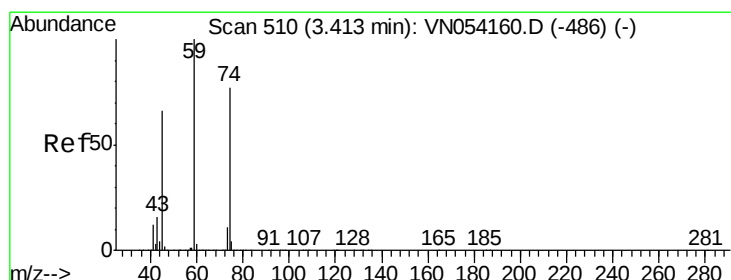
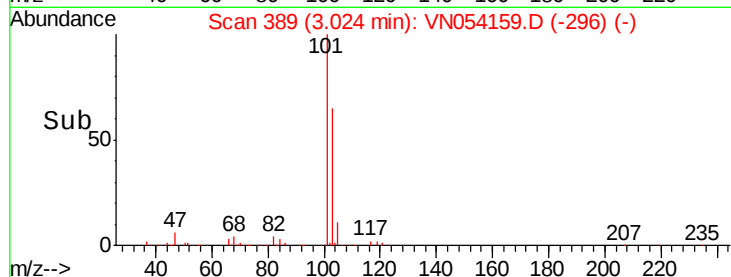
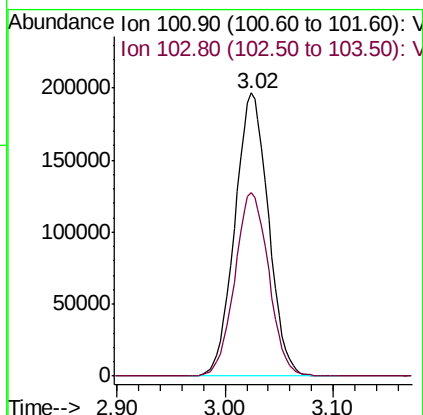
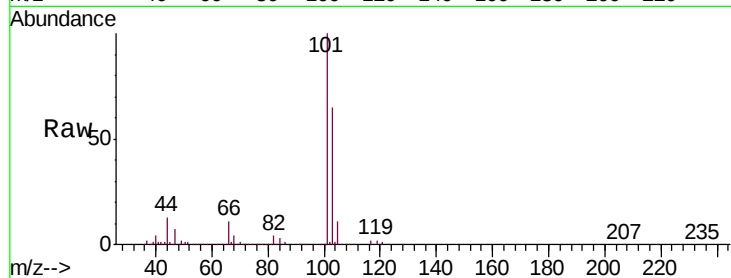


#7

Trichlorofluoromethane
 Concen: 19.327 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

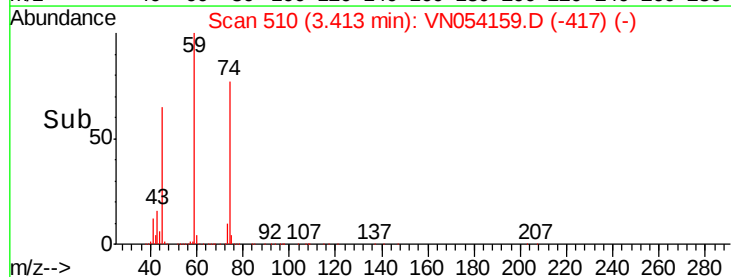
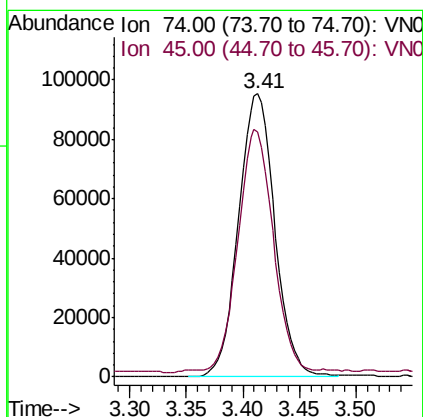
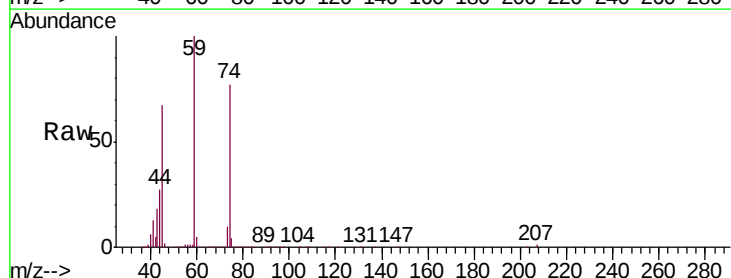
Tgt Ion:101 Resp: 425587
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.4 77.2

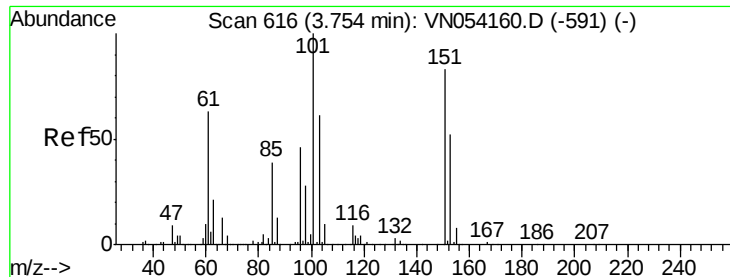


#8

Diethyl Ether
 Concen: 21.122 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion: 74 Resp: 211948
 Ion Ratio Lower Upper
 74 100
 45 82.1 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.958 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

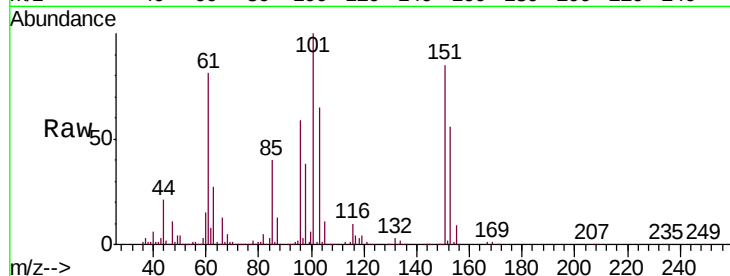
Tgt Ion:101 Resp: 345829

Ion Ratio Lower Upper

101 100

85 41.4 32.4 48.6

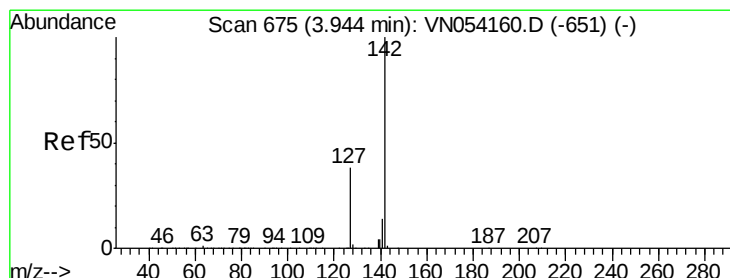
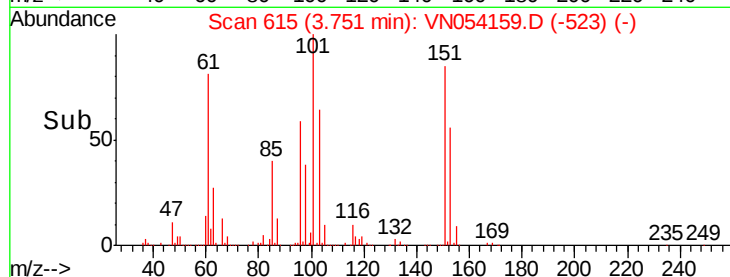
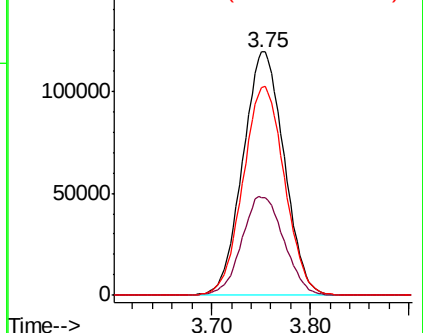
151 86.1 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.761 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

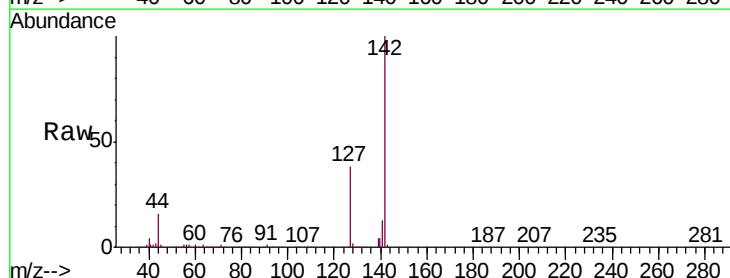
Tgt Ion:142 Resp: 417049

Ion Ratio Lower Upper

142 100

127 37.7 30.3 45.5

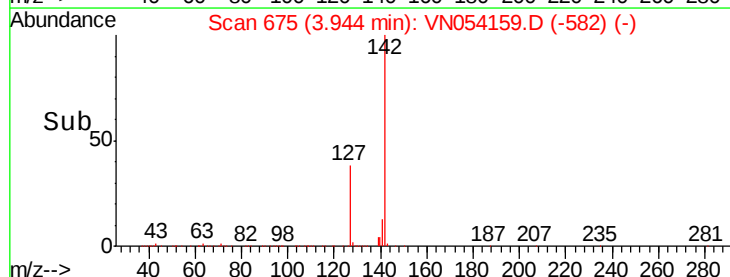
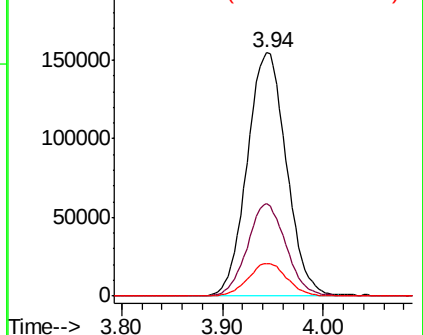
141 13.5 11.2 16.8

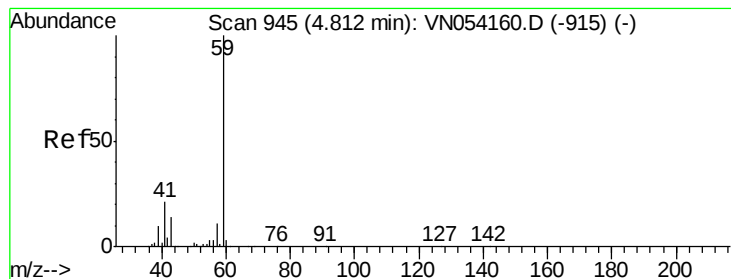


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.595 ug/l

RT: 4.82 min Scan# 947

Delta R.T. 0.01 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

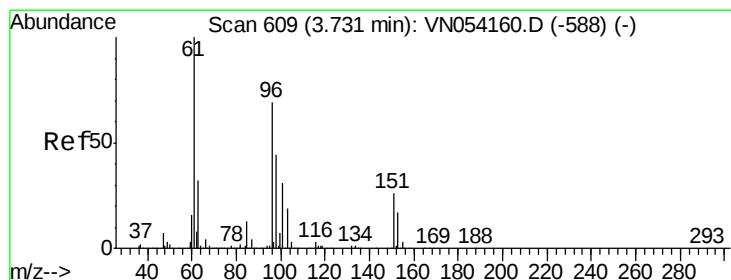
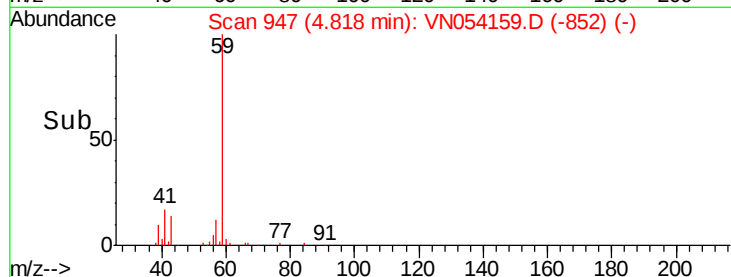
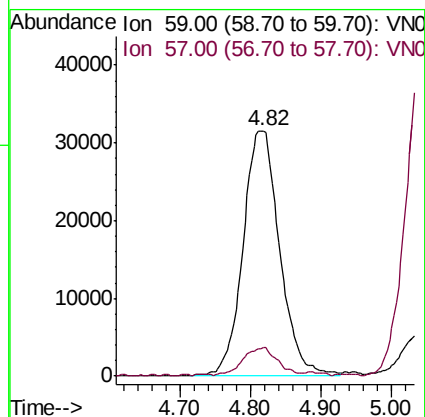
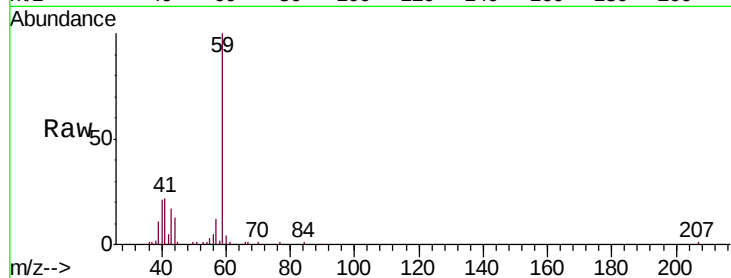
VSTDIC020

Tgt Ion: 59 Resp: 114593

Ion Ratio Lower Upper

59 100

57 11.2 9.0 13.6



#12

1,1-Dichloroethene

Concen: 20.937 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

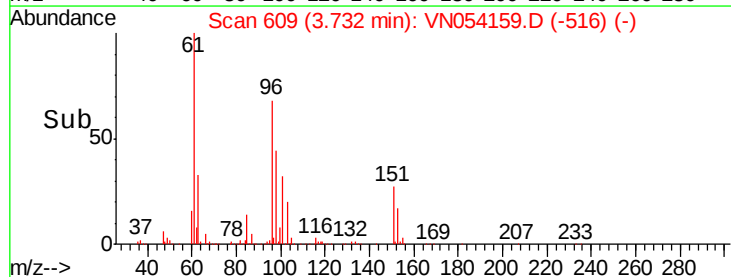
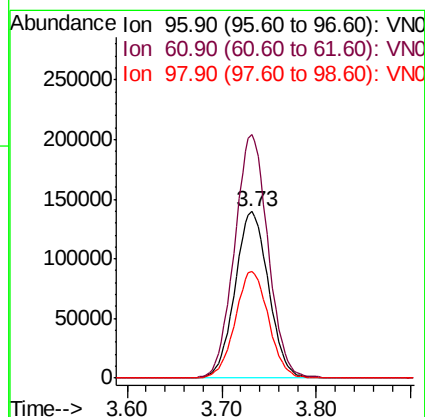
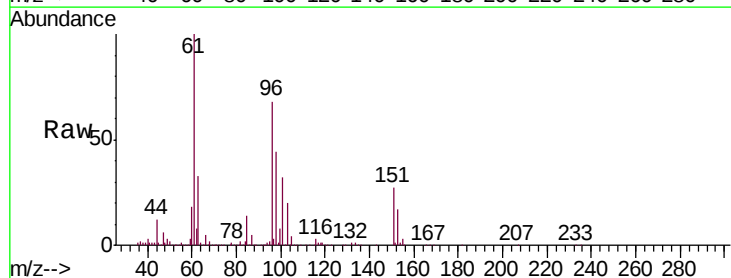
Tgt Ion: 96 Resp: 342358

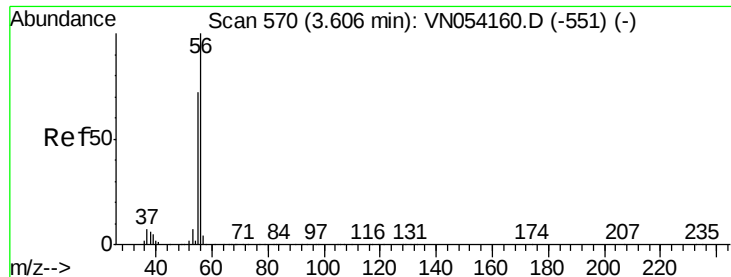
Ion Ratio Lower Upper

96 100

61 146.4 116.5 174.7

98 64.3 51.0 76.4





#13

Acrolein

Concen: 85.606 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

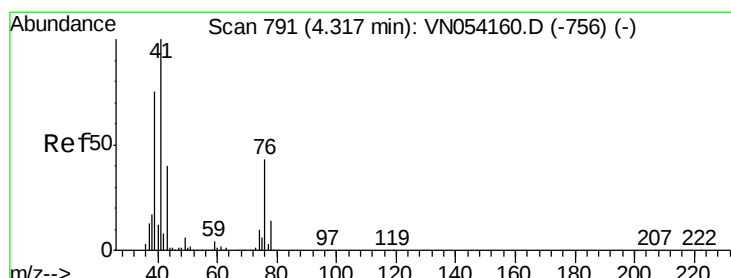
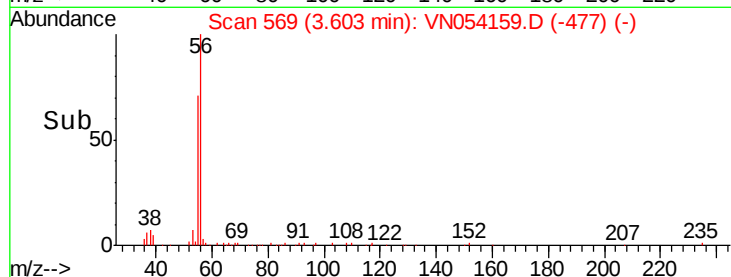
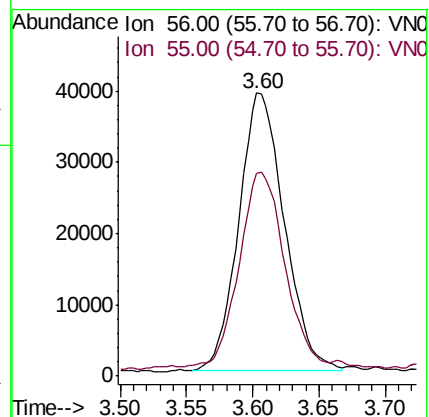
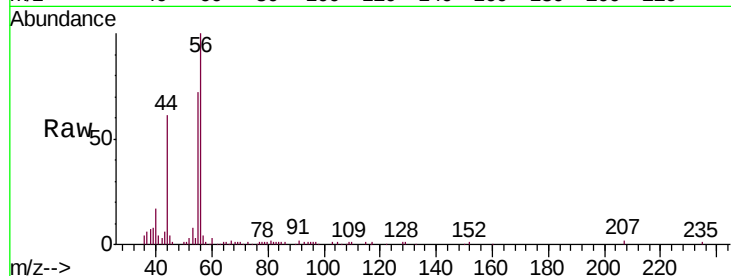
VSTDIC020

Tgt Ion: 56 Resp: 92958

Ion Ratio Lower Upper

56 100

55 69.4 56.7 85.1



#14

Allyl chloride

Concen: 20.934 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

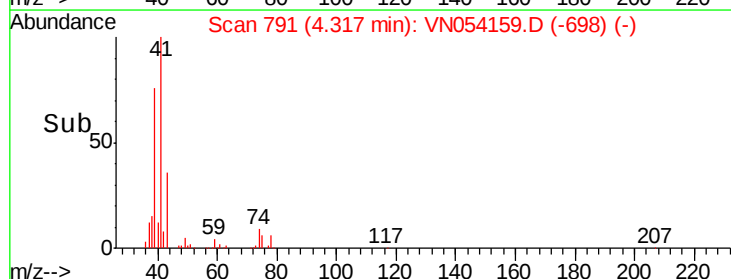
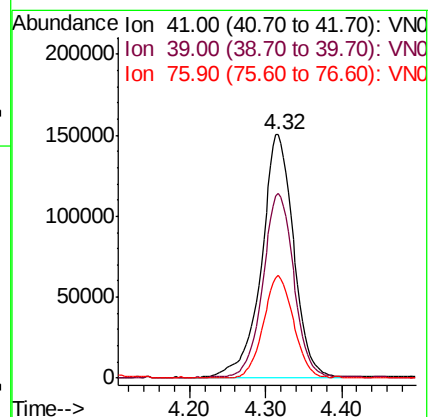
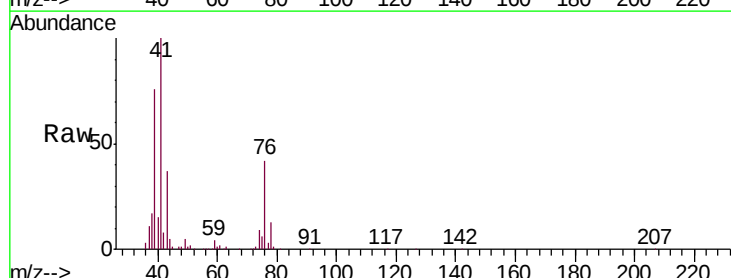
Tgt Ion: 41 Resp: 439206

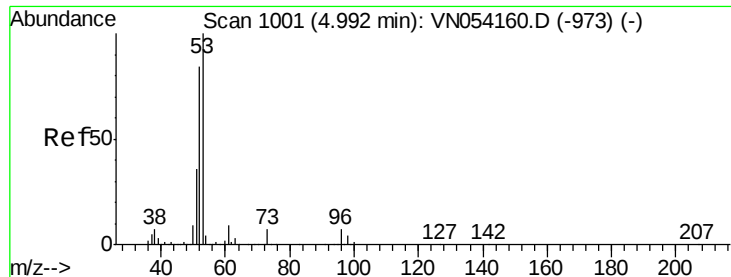
Ion Ratio Lower Upper

41 100

39 72.2 58.2 87.4

76 39.6 31.7 47.5





#15

Acrylonitrile

Concen: 103.738 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

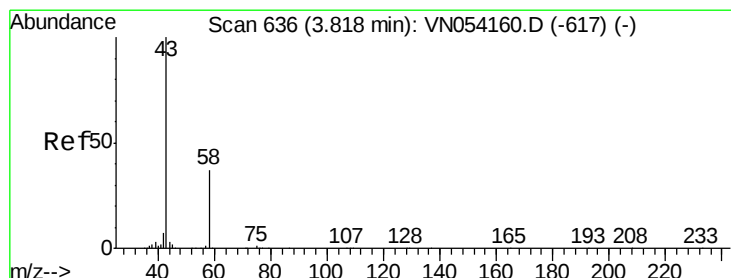
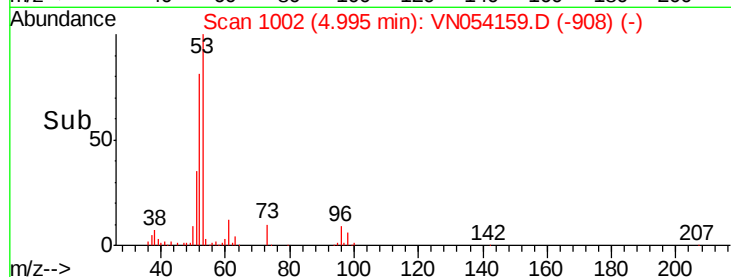
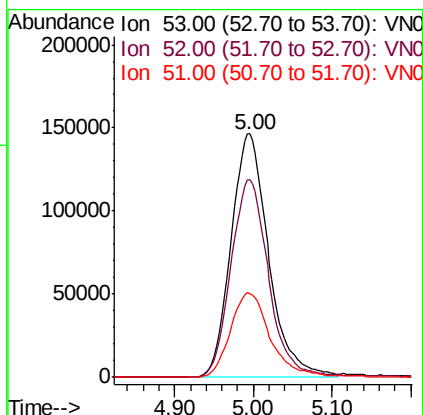
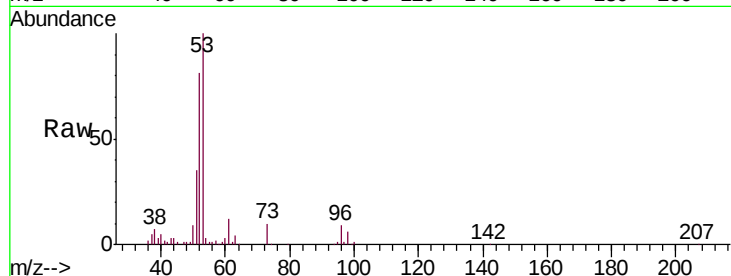
Tgt Ion: 53 Resp: 488312

Ion Ratio Lower Upper

53 100

52 81.5 66.4 99.6

51 36.9 29.6 44.4



#16

Acetone

Concen: 110.482 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054159.D

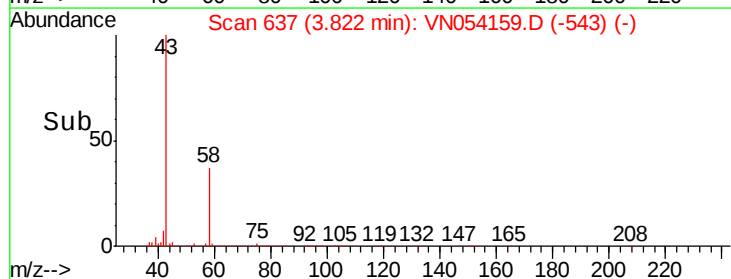
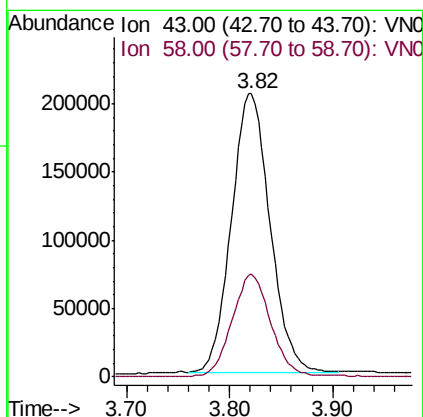
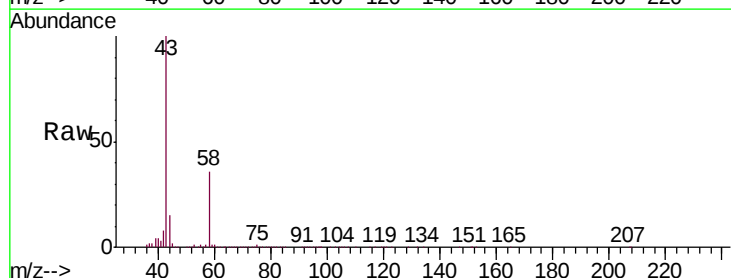
Acq: 12 Mar 2019 10:55

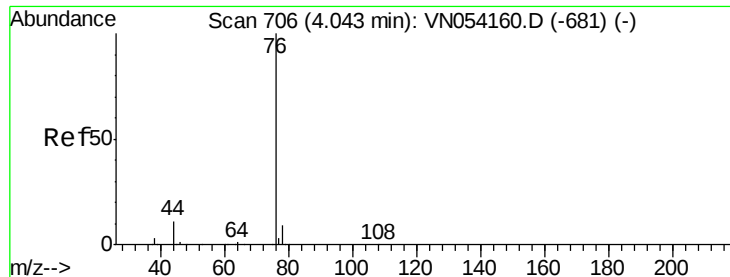
Tgt Ion: 43 Resp: 528779

Ion Ratio Lower Upper

43 100

58 36.6 29.9 44.9

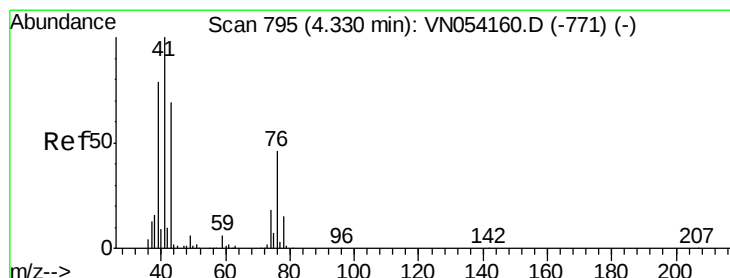
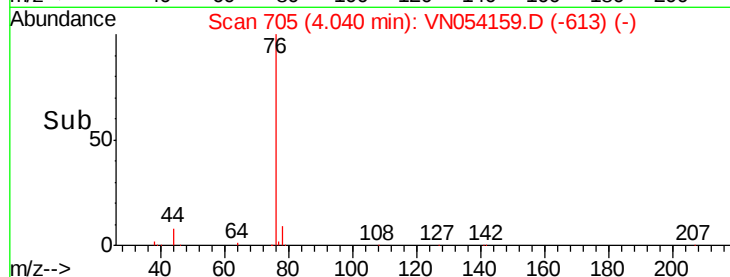
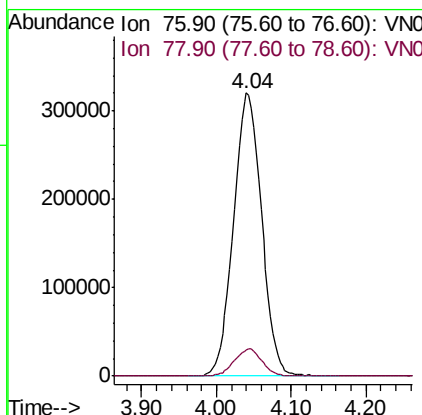
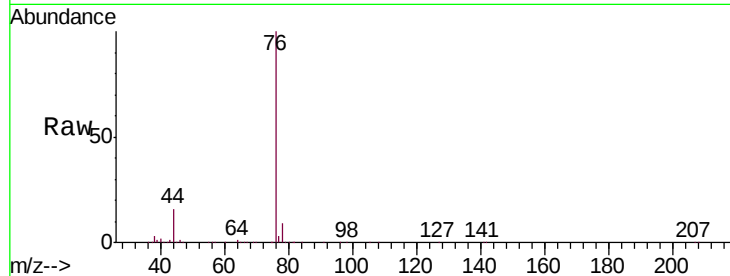




#17
Carbon Disulfide
Concen: 20.426 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

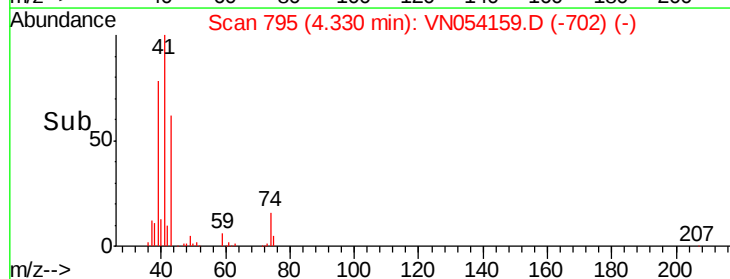
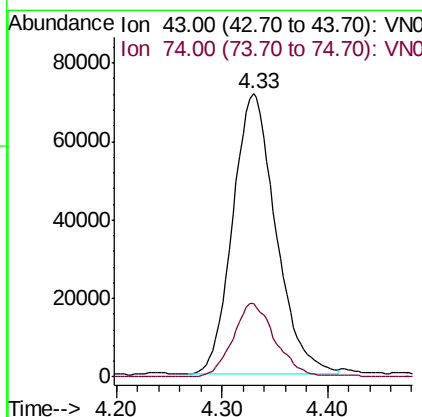
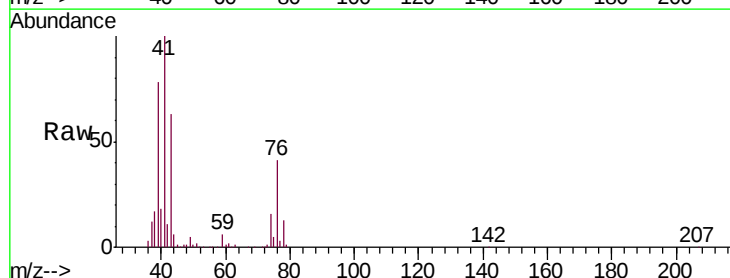
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

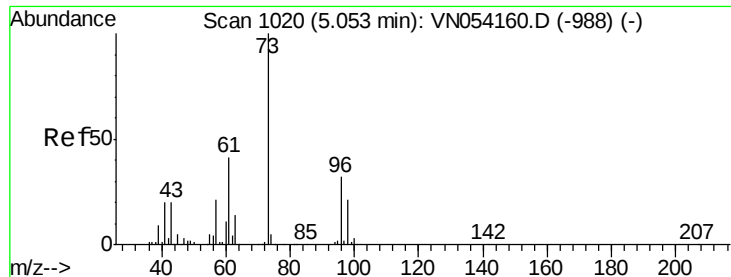
Tgt Ion: 76 Resp: 837311
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3



#18
Methyl Acetate
Concen: 20.963 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 43 Resp: 202992
Ion Ratio Lower Upper
43 100
74 25.8 20.8 31.2

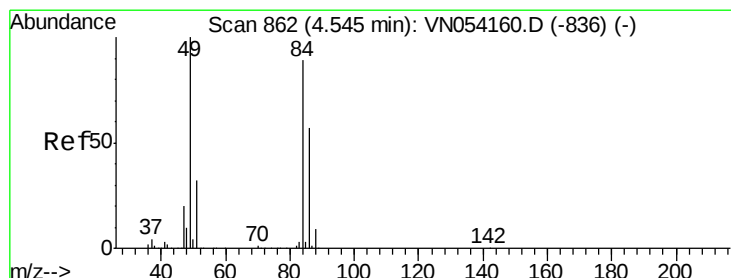
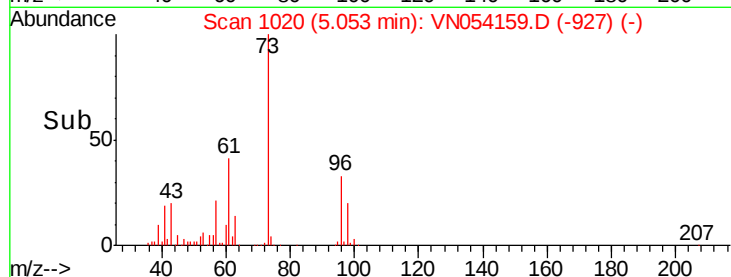
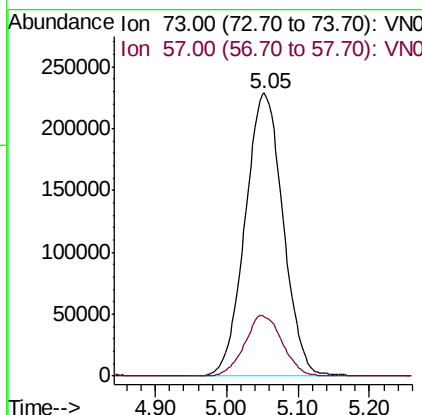
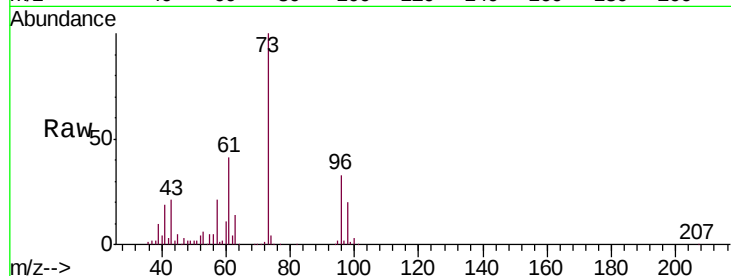




#19
Methyl tert-butyl Ether
Concen: 20.845 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

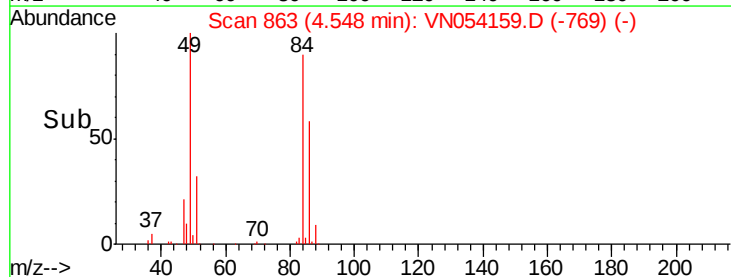
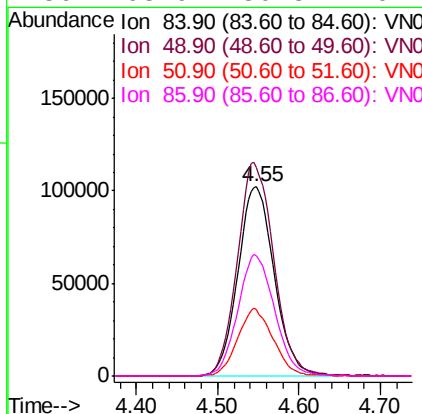
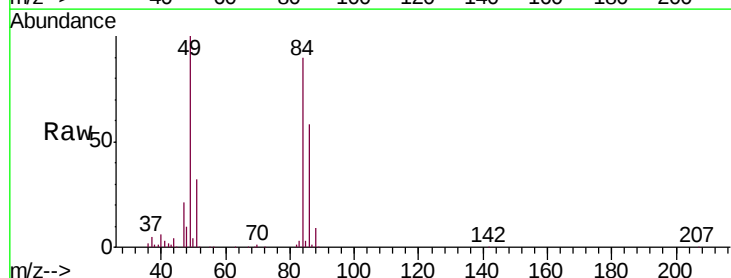
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

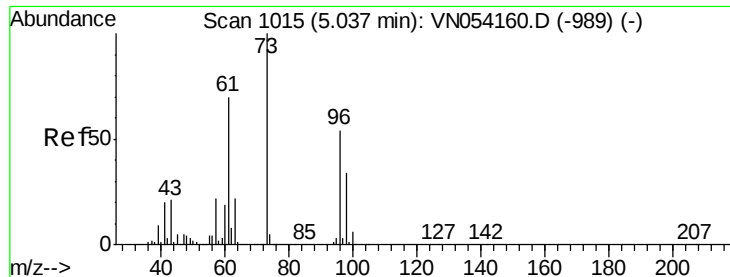
Tgt Ion: 73 Resp: 844889
Ion Ratio Lower Upper
73 100
57 21.1 16.8 25.2



#20
Methylene Chloride
Concen: 20.086 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 84 Resp: 315656
Ion Ratio Lower Upper
84 100
49 110.6 89.7 134.5
51 35.0 28.2 42.4
86 63.9 50.8 76.2

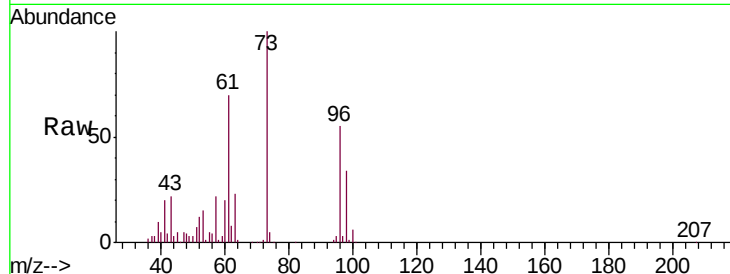




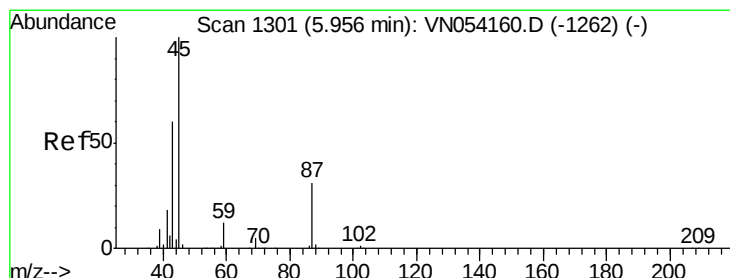
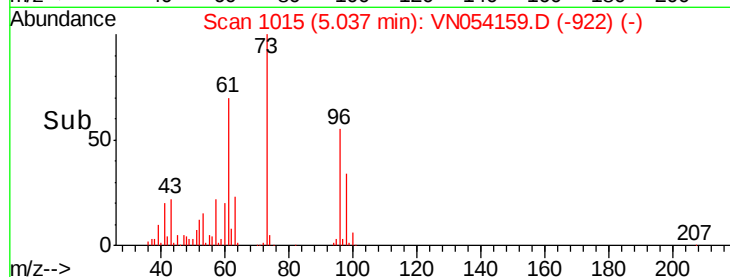
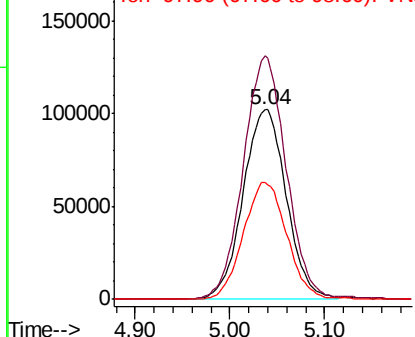
#21
trans-1,2-Dichloroethene
Concen: 20.690 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 324165
Ion Ratio Lower Upper
96 100
61 128.4 102.8 154.2
98 61.3 50.0 75.0

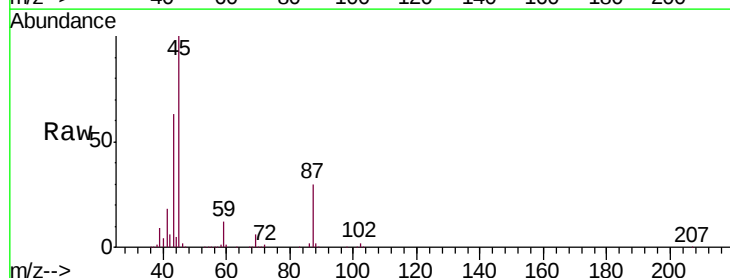


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

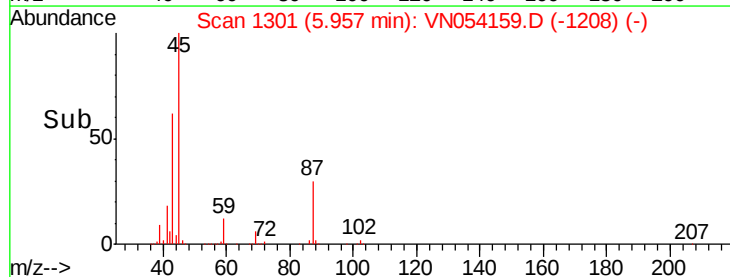
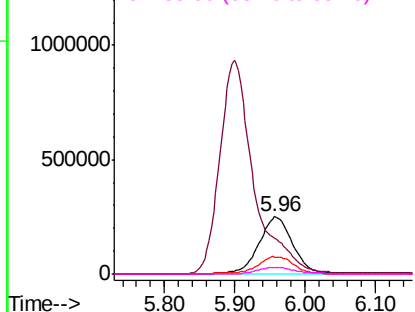


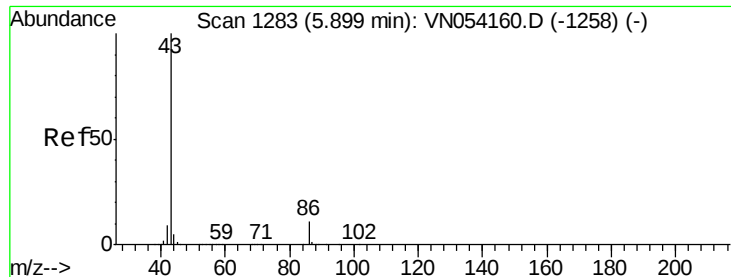
#22
Diisopropyl ether
Concen: 20.100 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 45 Resp: 841654
Ion Ratio Lower Upper
45 100
43 61.9 48.2 72.2
87 29.7 24.9 37.3
59 11.5 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 102.542 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

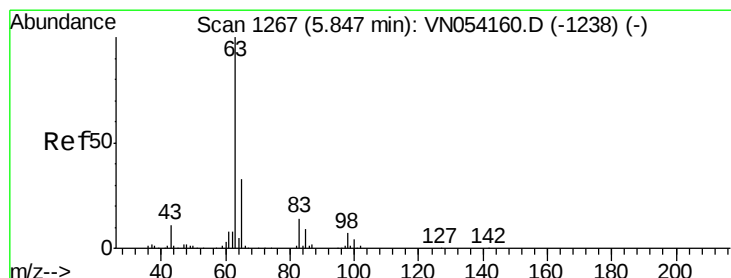
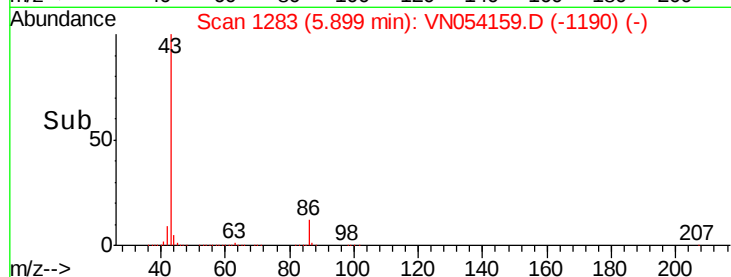
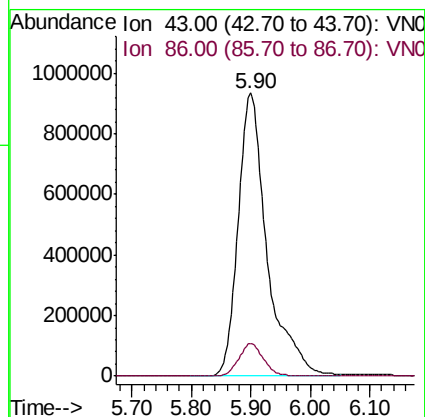
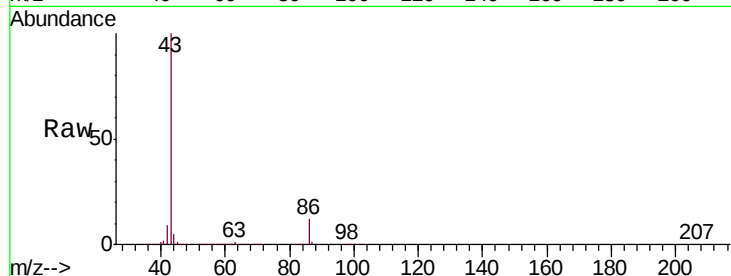
VSTDIC020

Tgt Ion: 43 Resp: 3165787

Ion Ratio Lower Upper

43 100

86 11.7 9.1 13.7



#24

1,1-Dichloroethane

Concen: 20.603 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

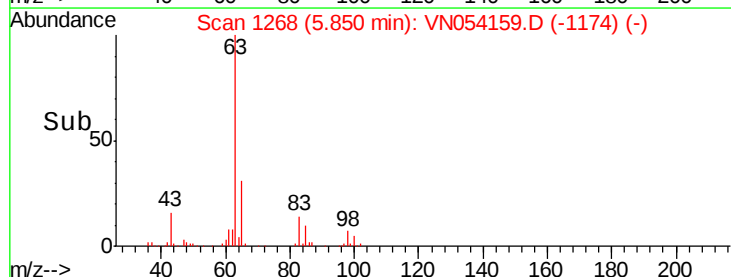
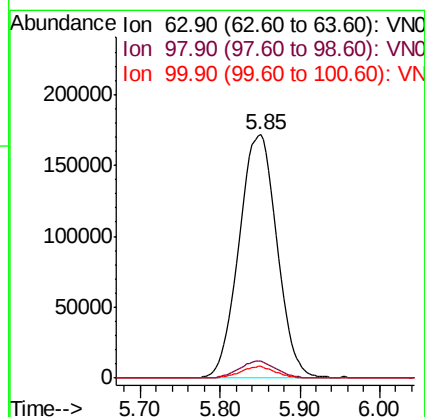
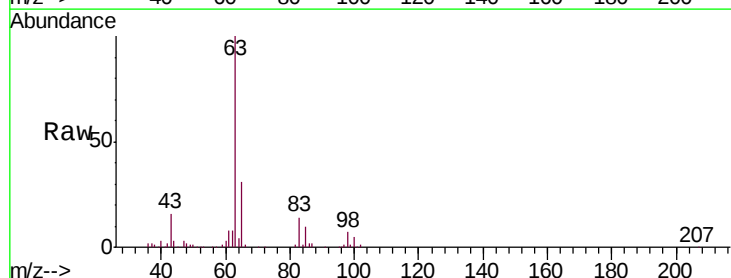
Tgt Ion: 63 Resp: 553938

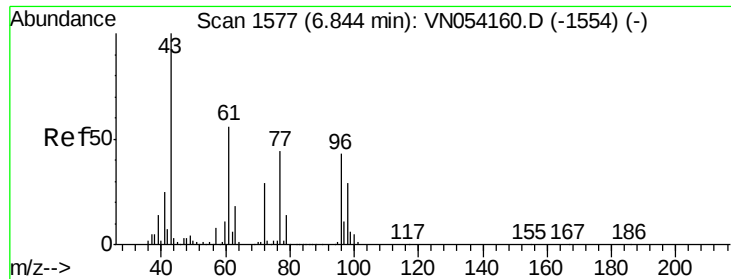
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.7 2.0 6.0

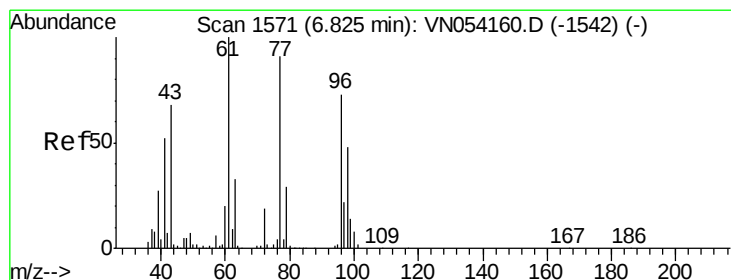
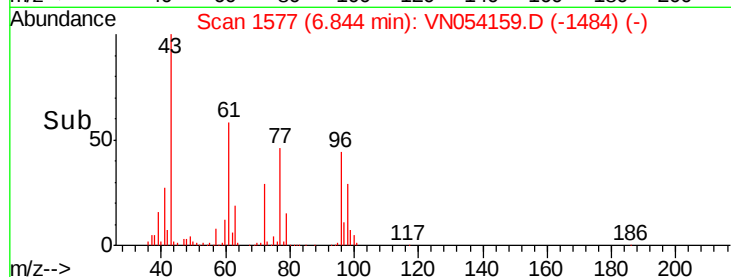
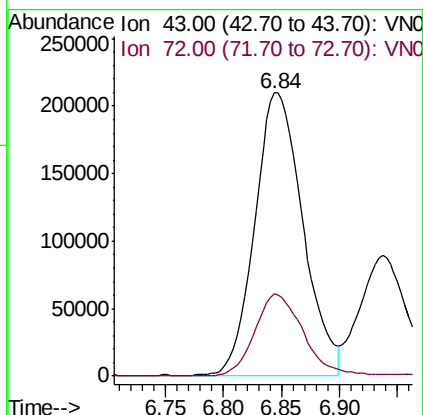
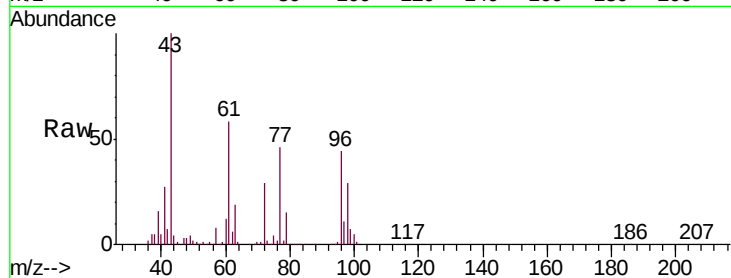




#25
2-Butanone
Concen: 107.182 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

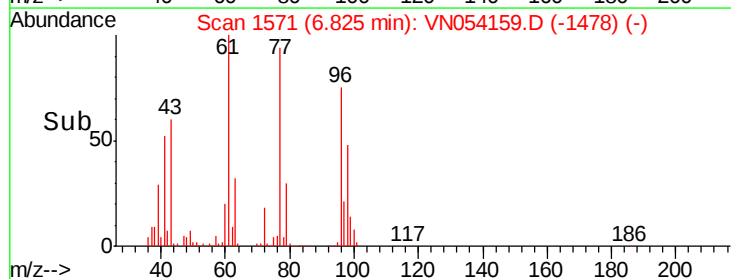
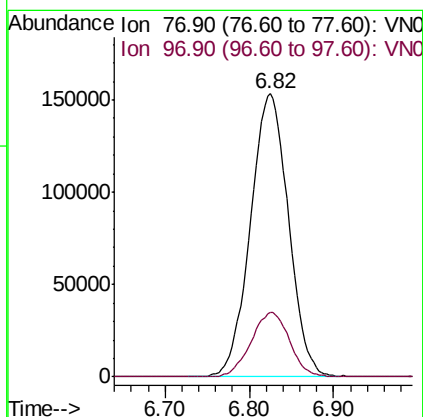
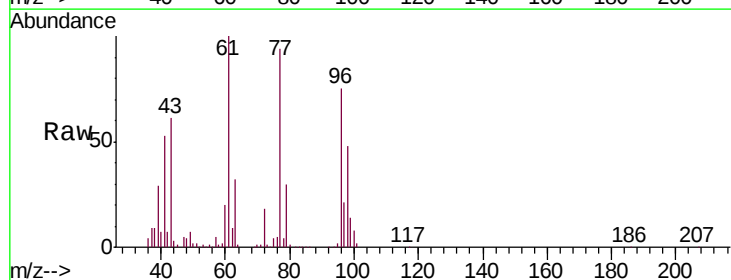
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

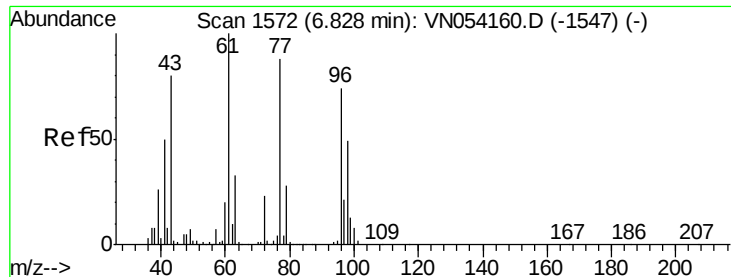
Tgt Ion: 43 Resp: 602087
Ion Ratio Lower Upper
43 100
72 29.0 23.0 34.6



#26
2,2-Dichloropropane
Concen: 20.315 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 77 Resp: 480305
Ion Ratio Lower Upper
77 100
97 23.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.491 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

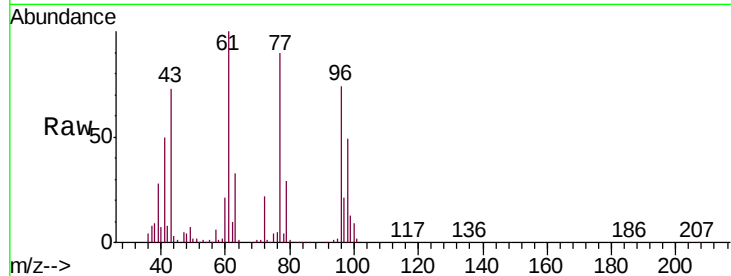
Tgt Ion: 96 Resp: 358161

Ion Ratio Lower Upper

96 100

61 137.4 0.0 273.0

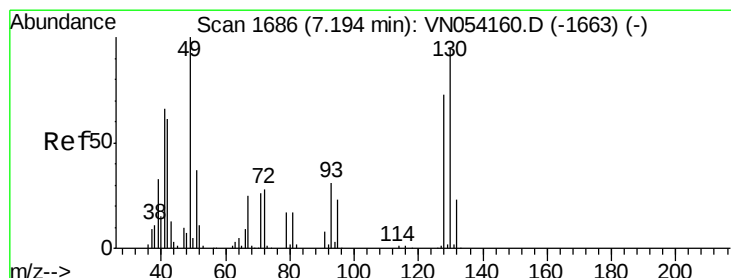
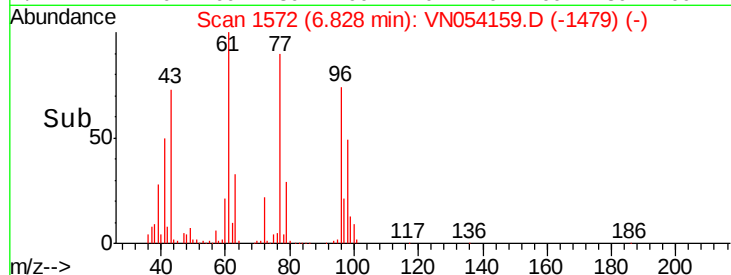
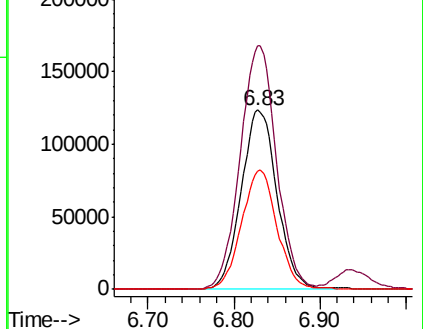
98 65.7 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN054160.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN054160.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN054160.D (-1547) (-)



#28

Bromochloromethane

Concen: 20.071 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

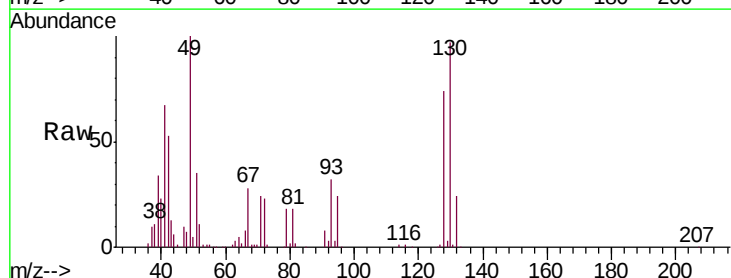
Tgt Ion: 49 Resp: 220606

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

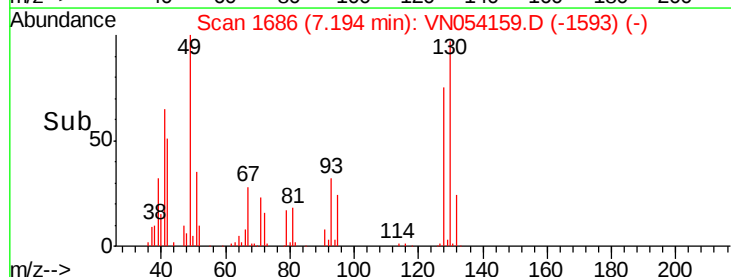
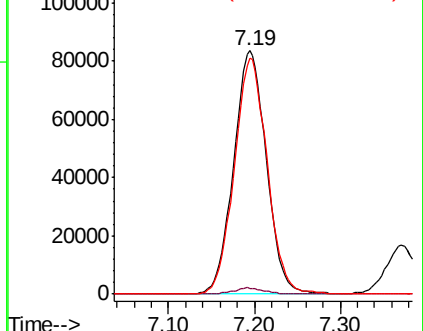
130 97.2 76.7 115.1

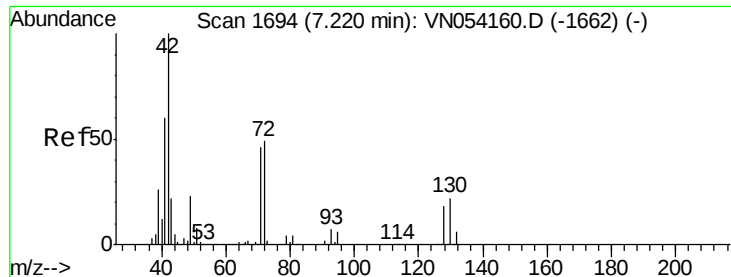


Abundance Ion 48.90 (48.60 to 49.60): VN054160.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN054160.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN054160.D (-1663) (-)

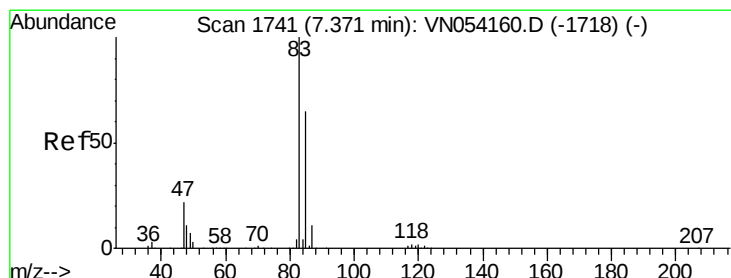
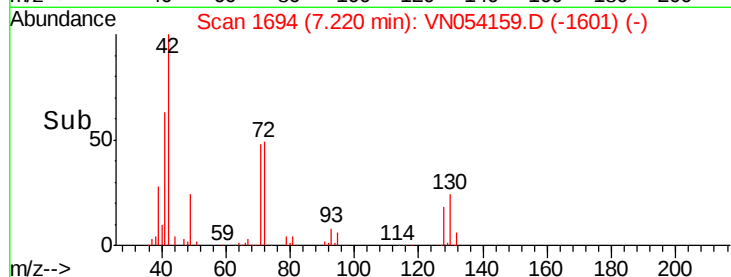
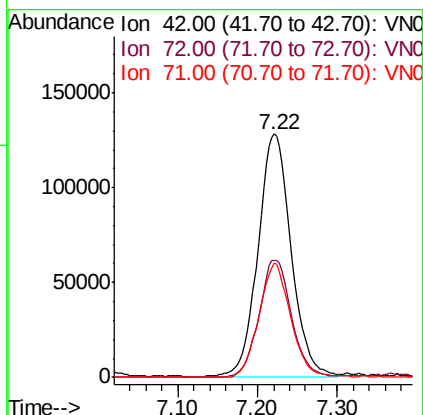
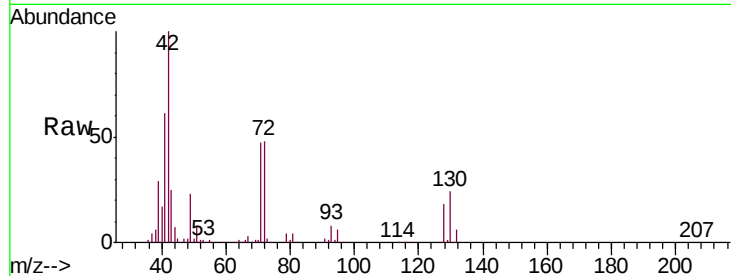




#29
Tetrahydrofuran
Concen: 101.015 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

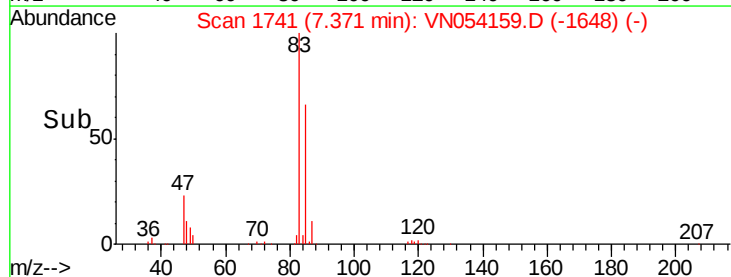
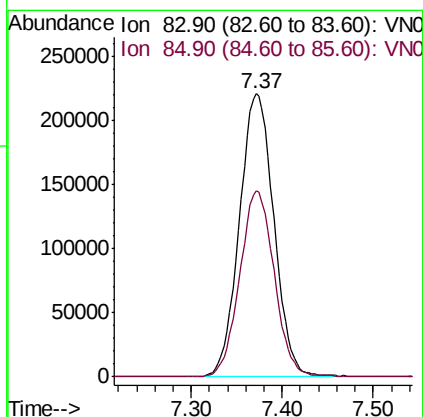
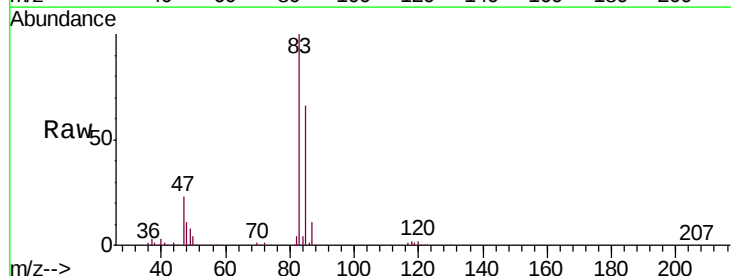
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

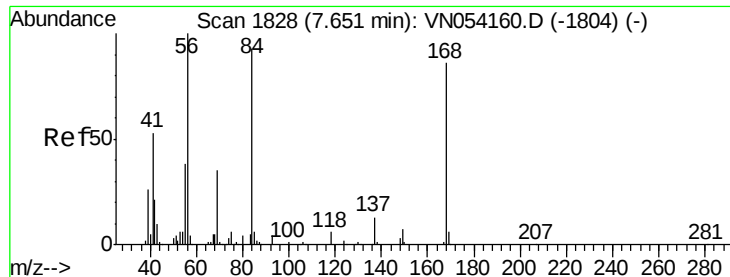
Tgt Ion: 42 Resp: 364845
Ion Ratio Lower Upper
42 100
72 47.3 37.8 56.6
71 45.1 36.2 54.2



#30
Chloroform
Concen: 20.730 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 83 Resp: 581576
Ion Ratio Lower Upper
83 100
85 66.0 52.2 78.4

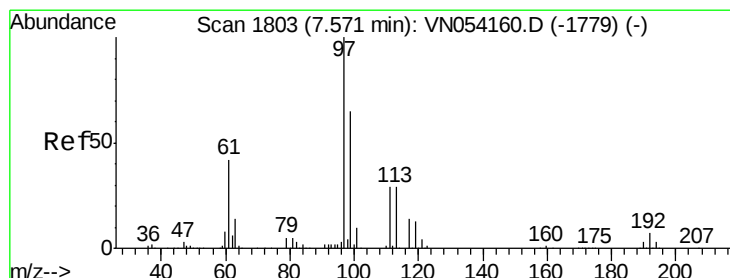
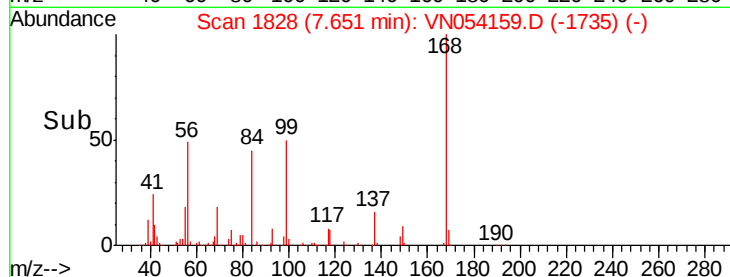
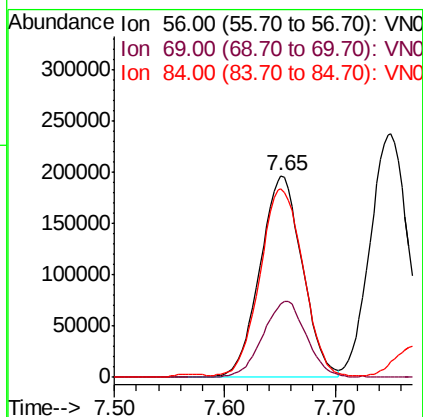
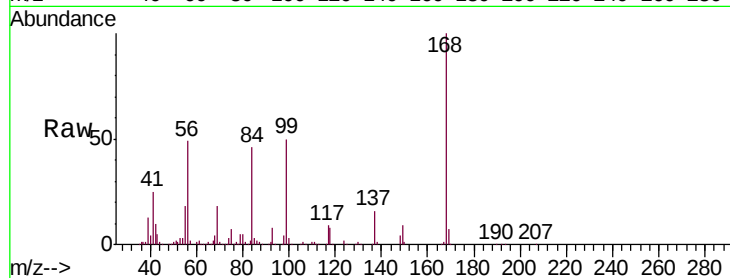




#31
Cyclohexane
Concen: 20.104 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

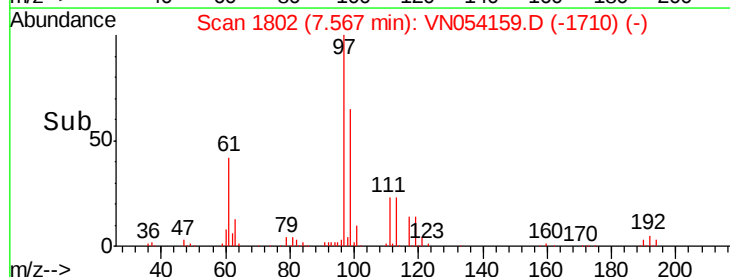
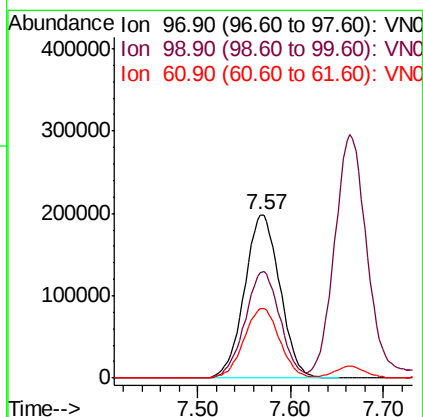
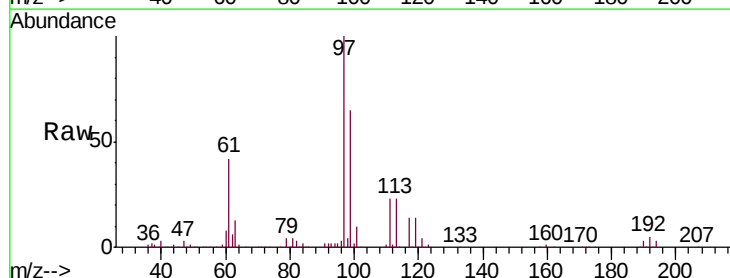
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

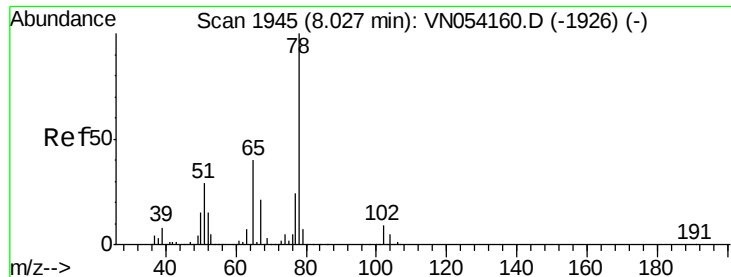
Tgt Ion: 56 Resp: 523783
Ion Ratio Lower Upper
56 100
69 36.2 27.8 41.6
84 92.0 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 20.757 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 97 Resp: 525937
Ion Ratio Lower Upper
97 100
99 64.6 51.5 77.3
61 43.0 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 20.686 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

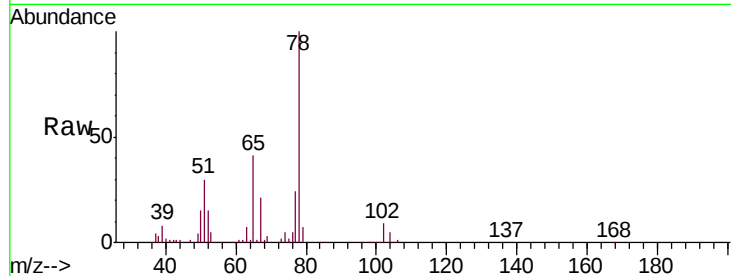
VSTDIC020

Tgt Ion: 65 Resp: 345788

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054160.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN054160.D (-1926) (-)

8.03

150000

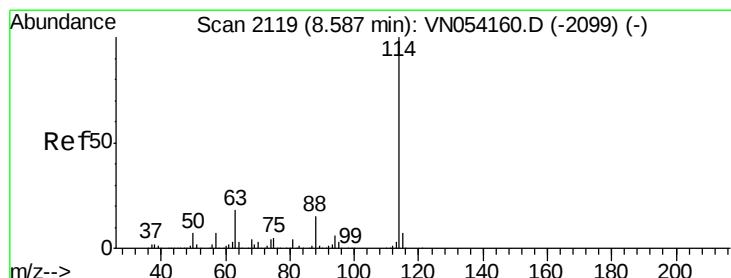
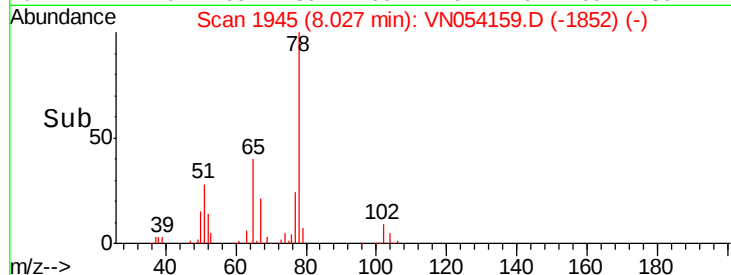
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

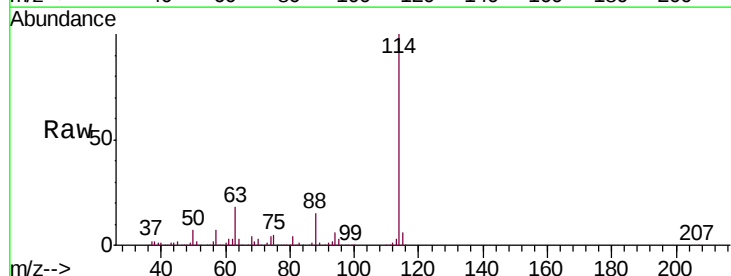
Tgt Ion: 114 Resp: 2353620

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054160.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN054160.D (-2099) (-)

Ion 87.90 (87.60 to 88.60): VN054160.D (-2099) (-)

8.59

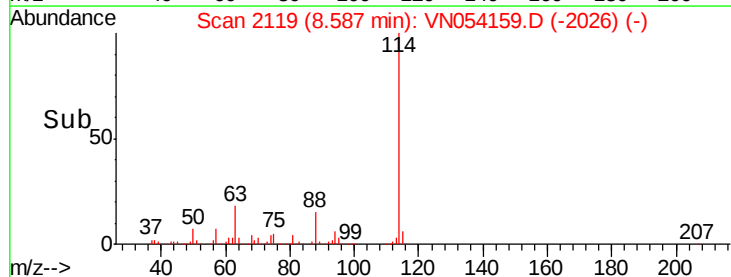
1000000

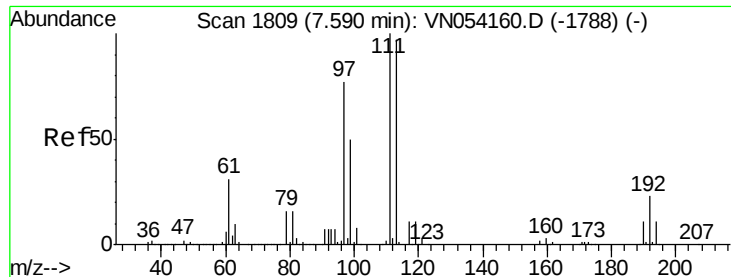
500000

0

8.50 8.60 8.70 8.80

Time-->

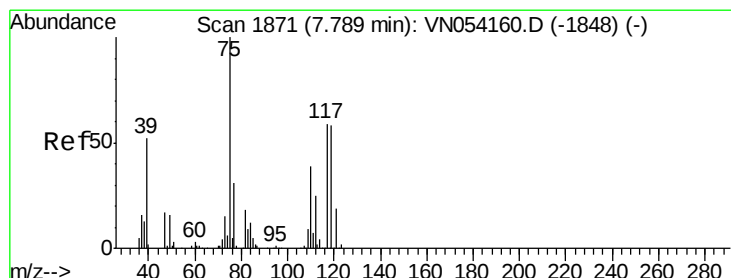
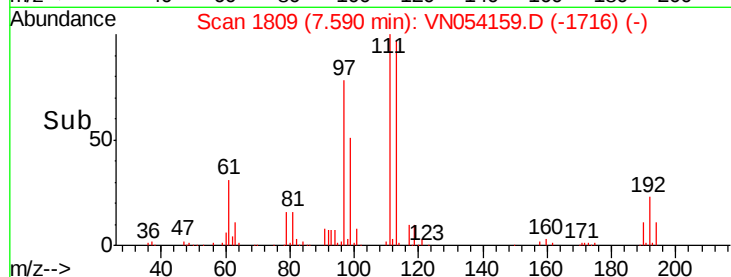
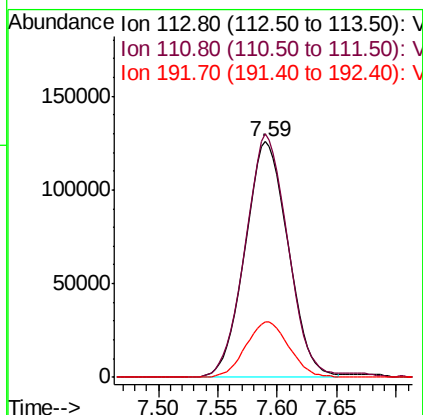
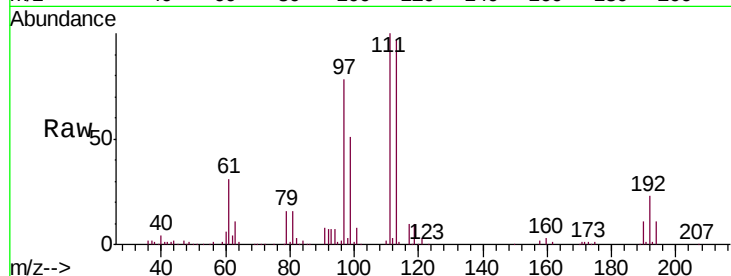




#35
 Dibromofluoromethane
 Concen: 20.812 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

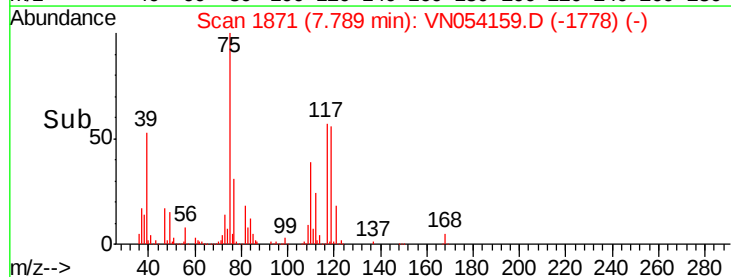
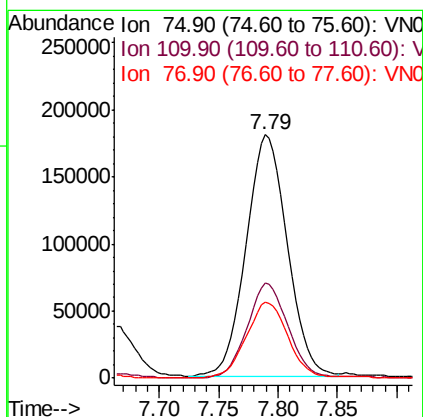
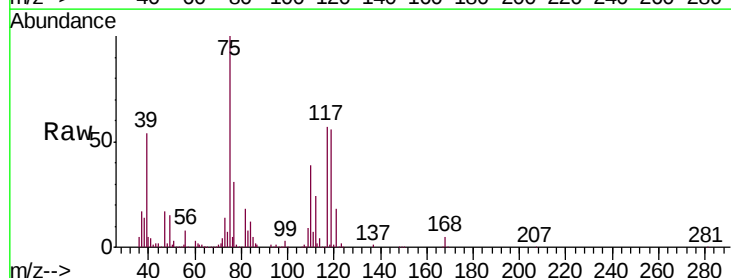
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

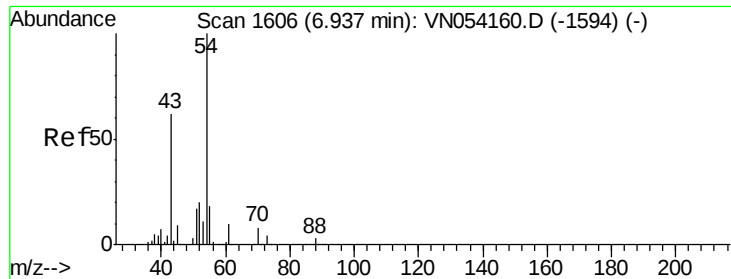
Tgt Ion: 113 Resp: 315923
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.4
 192 23.6 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 19.913 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion: 75 Resp: 431620
 Ion Ratio Lower Upper
 75 100
 110 39.6 19.1 57.5
 77 32.0 25.0 37.4

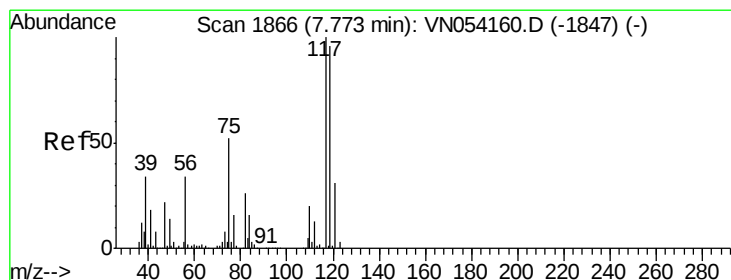
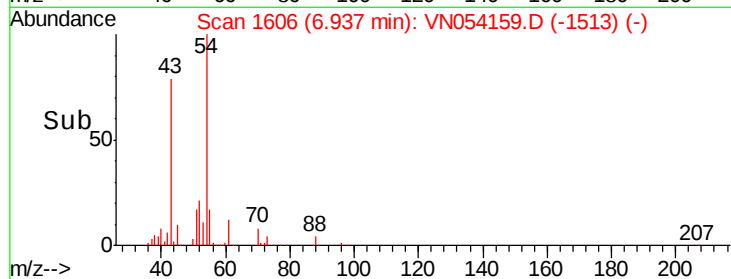
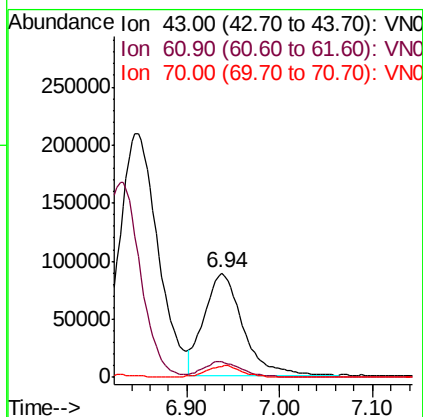
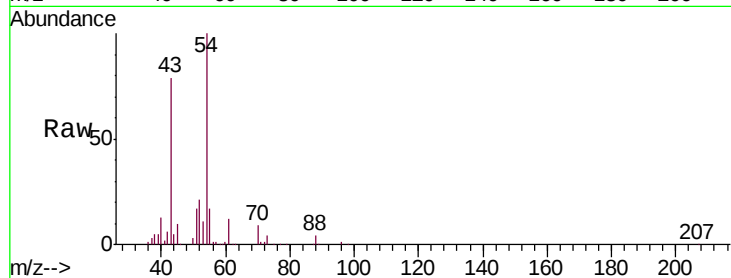




#37
Ethyl Acetate
 Concen: 19.983 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

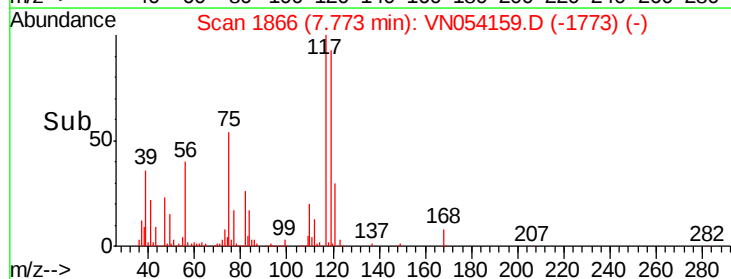
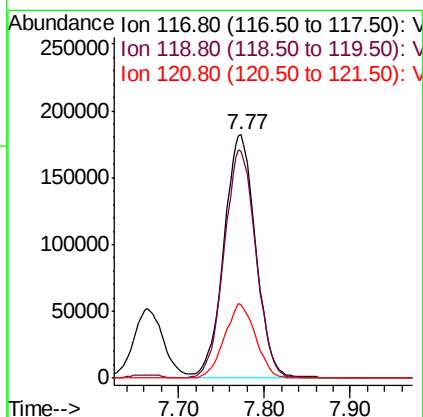
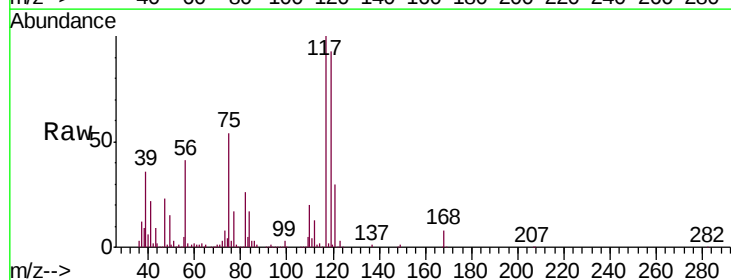
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

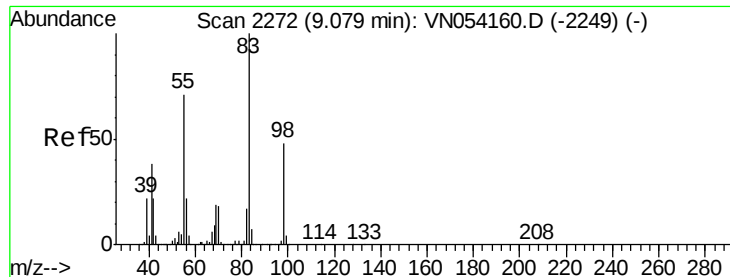
Tgt Ion: 43 Resp: 255550
 Ion Ratio Lower Upper
 43 100
 61 14.5 11.8 17.6
 70 10.3 8.4 12.6



#38
Carbon Tetrachloride
 Concen: 20.442 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion: 117 Resp: 464653
 Ion Ratio Lower Upper
 117 100
 119 93.1 76.3 114.5
 121 30.4 24.6 36.8

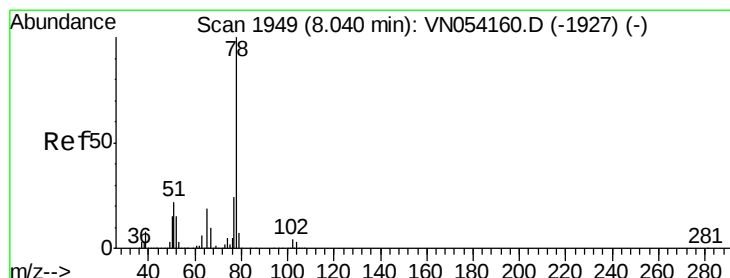
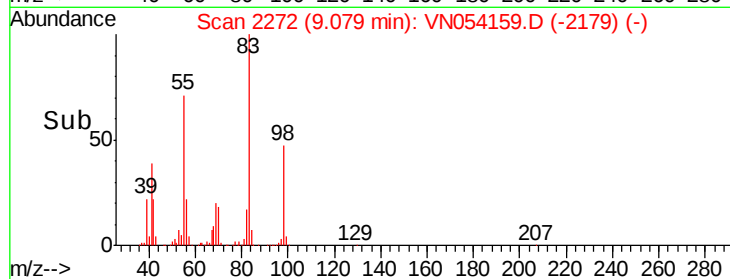
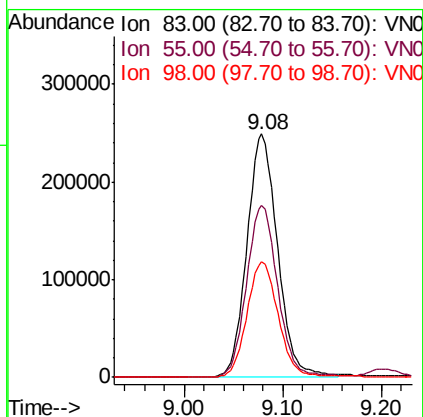
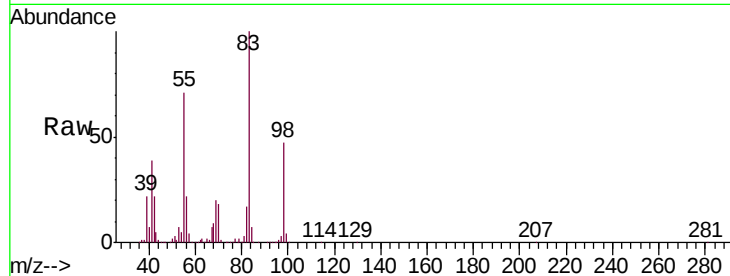




#39
Methylcyclohexane
Concen: 20.072 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

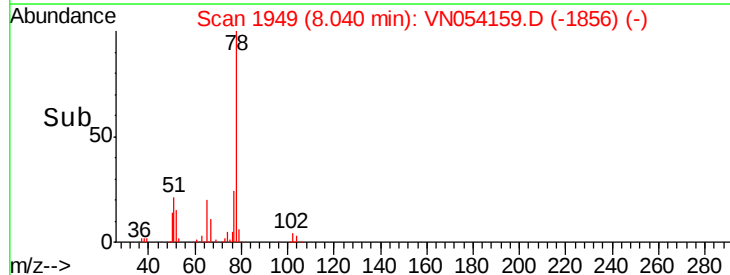
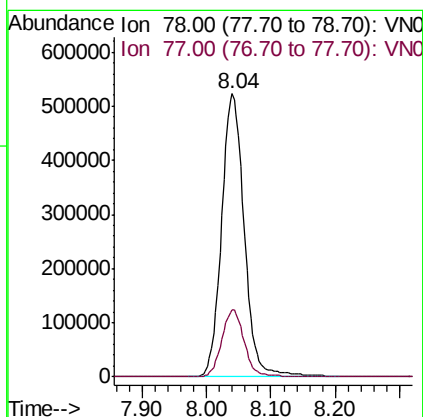
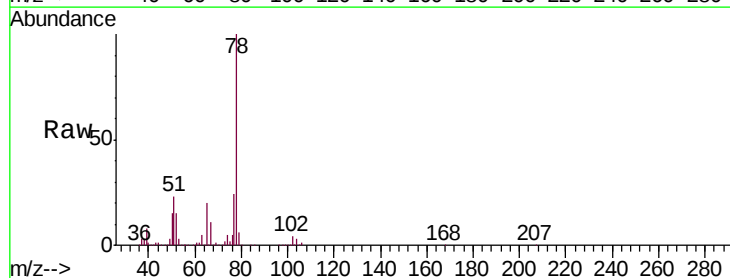
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

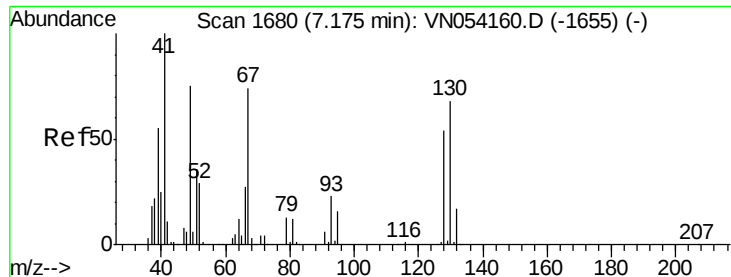
Tgt Ion: 83 Resp: 535278
Ion Ratio Lower Upper
83 100
55 70.9 56.6 84.8
98 47.3 38.4 57.6



#40
Benzene
Concen: 20.706 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 78 Resp: 1284259
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

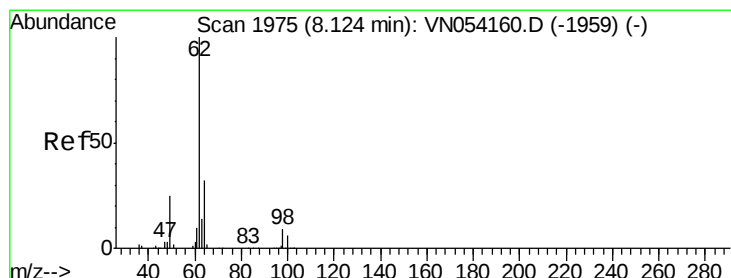
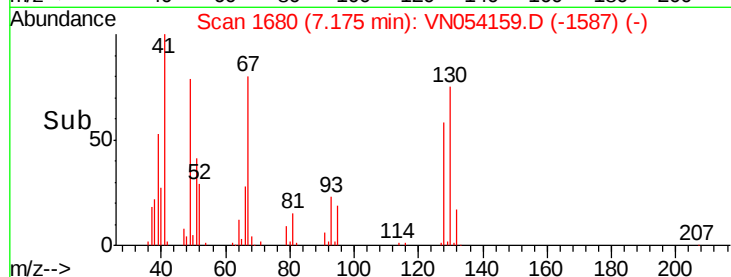
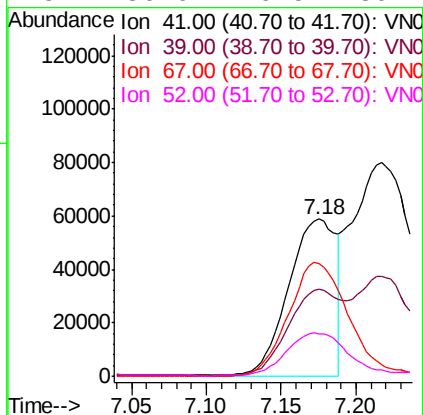
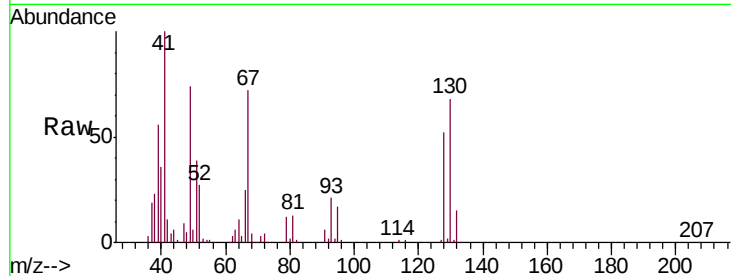




#41
Methacrylonitrile
Concen: 18.898 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

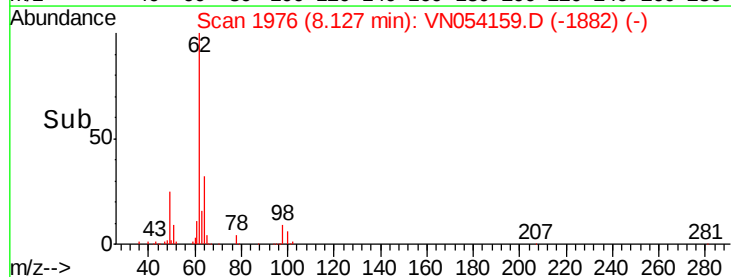
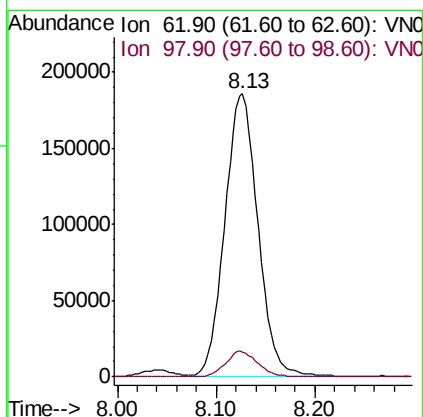
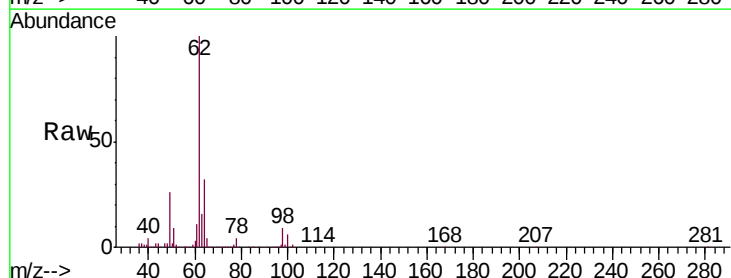
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

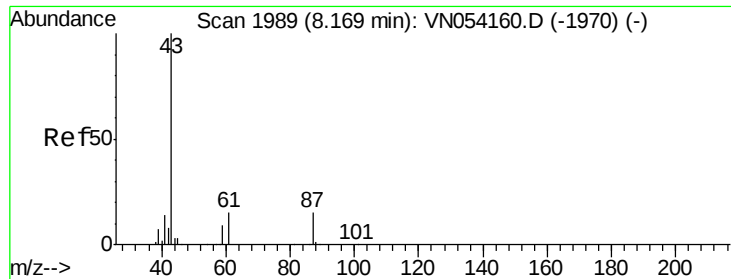
Tgt Ion:	41	Resp:	129228
Ion	Ratio	Lower	Upper
41	100		
39	63.6	46.8	70.2
67	92.5	67.0	100.4
52	36.6	26.5	39.7



#42
1,2-Dichloroethane
Concen: 20.690 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion:	62	Resp:	433263
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.4



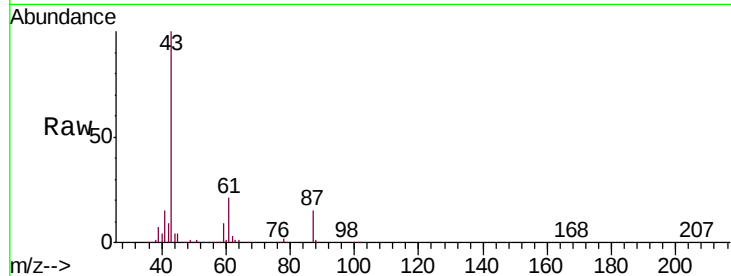


#43

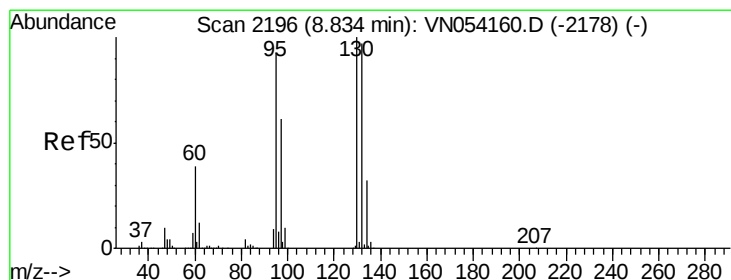
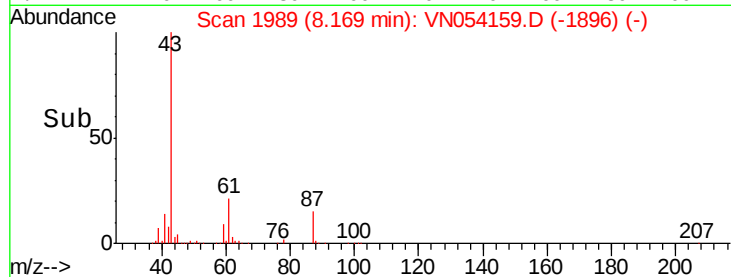
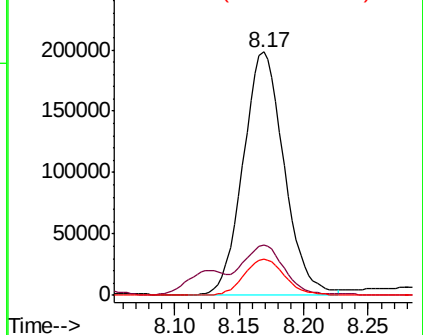
Isopropyl Acetate
 Concen: 19.936 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 43 Resp: 435804
 Ion Ratio Lower Upper
 43 100
 61 20.6 15.8 23.8
 87 15.0 12.0 18.0



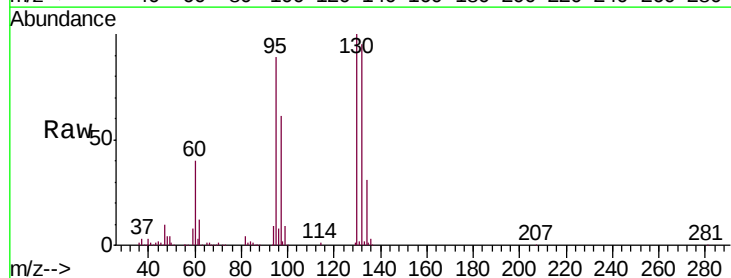
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



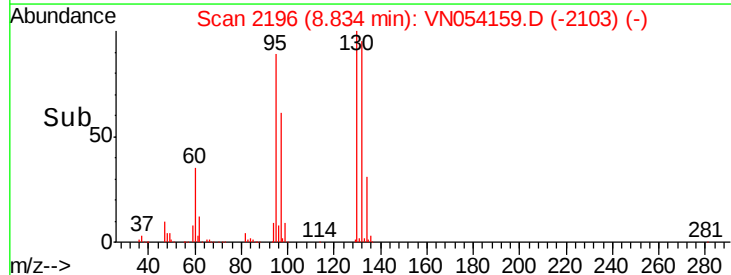
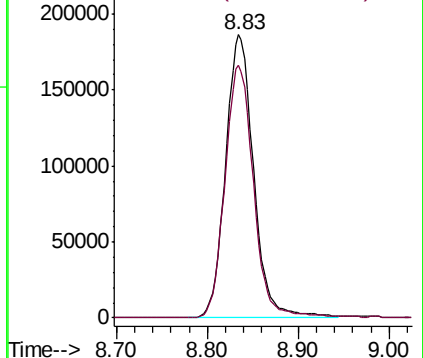
#44

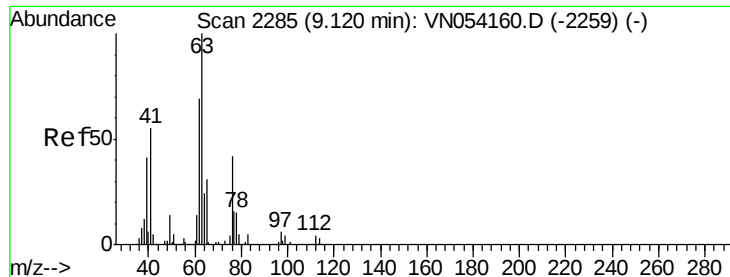
Trichloroethene
 Concen: 20.767 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion: 130 Resp: 400137
 Ion Ratio Lower Upper
 130 100
 95 89.4 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.437 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

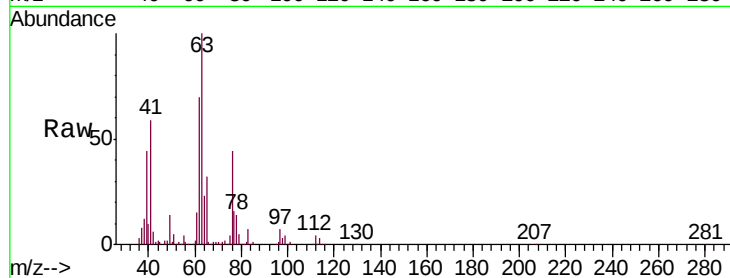
VSTDIC020

Tgt Ion: 63 Resp: 314758

Ion Ratio Lower Upper

63 100

65 31.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN054160.D (-2259) (-)

Ion 64.90 (64.60 to 65.60): VN054160.D (-2259) (-)

9.12

150000

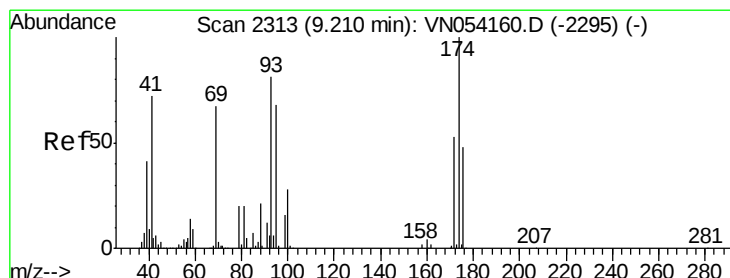
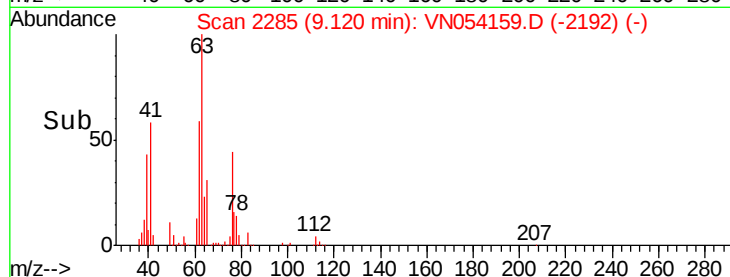
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 20.599 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

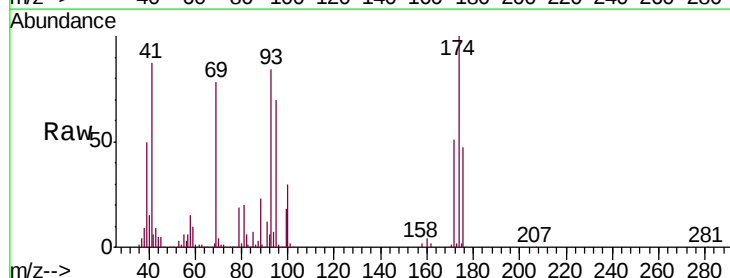
Tgt Ion: 93 Resp: 214358

Ion Ratio Lower Upper

93 100

95 84.2 66.7 100.1

174 121.7 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN054160.D (-2295) (-)

Ion 94.80 (94.50 to 95.50): VN054160.D (-2295) (-)

Ion 173.70 (173.40 to 174.40): VN054160.D (-2295) (-)

9.21

150000

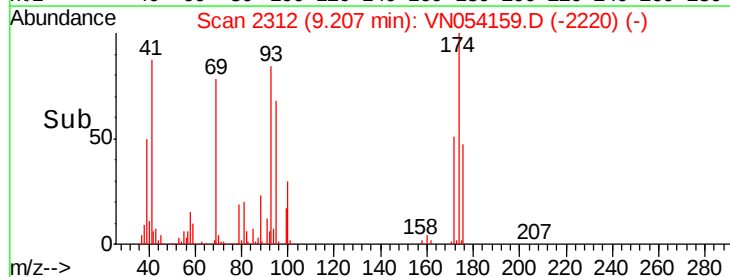
100000

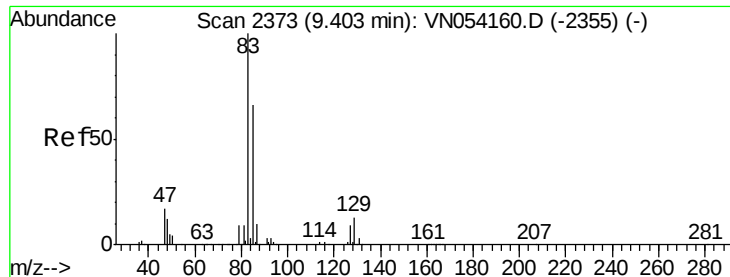
50000

0

9.10 9.20 9.30

Time-->





#47

Bromodichloromethane

Concen: 20.824 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

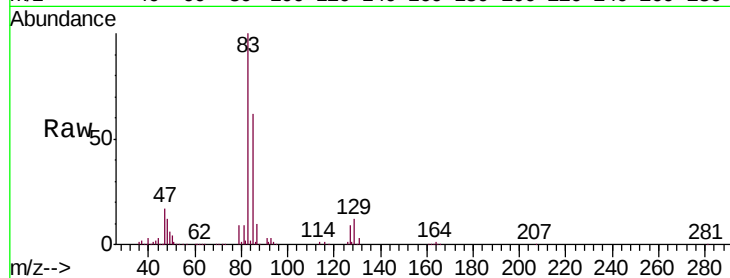
Tgt Ion: 83 Resp: 434417

Ion Ratio Lower Upper

83 100

85 61.9 52.8 79.2

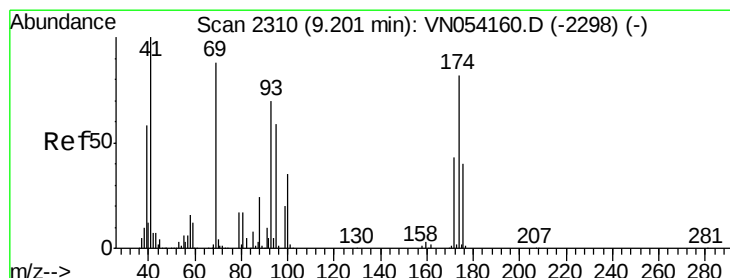
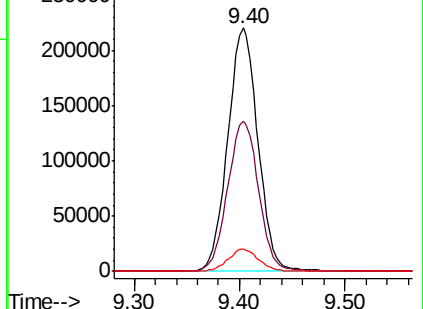
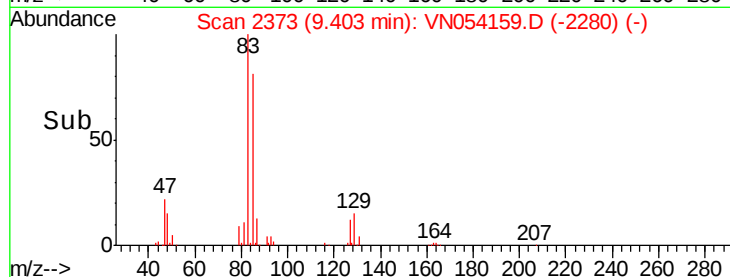
127 9.1 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054159.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054159.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054159.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.669 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

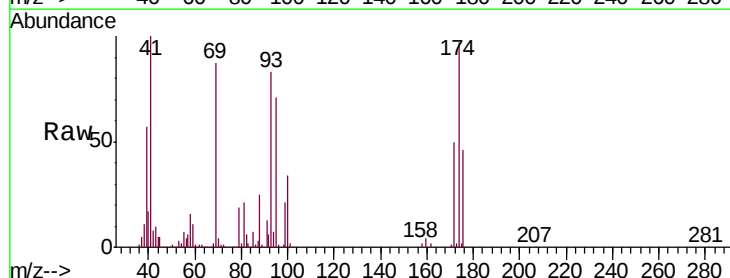
Tgt Ion: 41 Resp: 229298

Ion Ratio Lower Upper

41 100

69 89.9 72.6 108.8

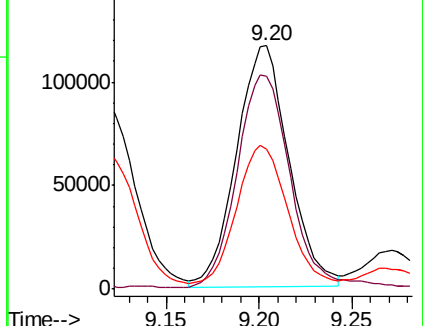
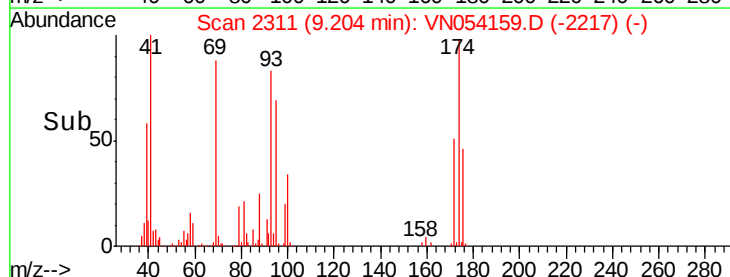
39 58.7 47.5 71.3

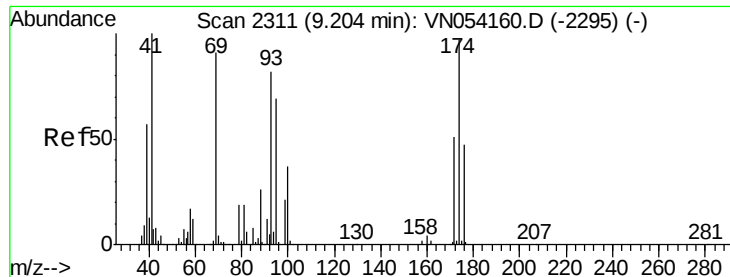


Abundance Ion 41.00 (40.70 to 41.70): VN054159.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054159.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054159.D (-2217) (-)

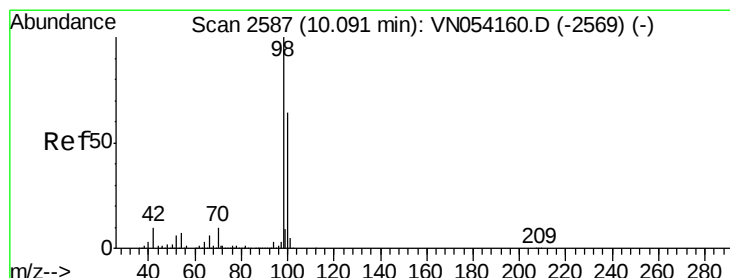
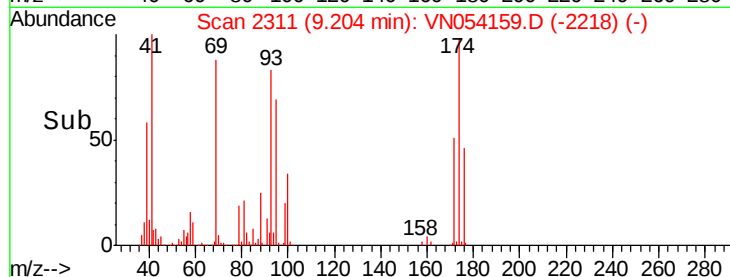
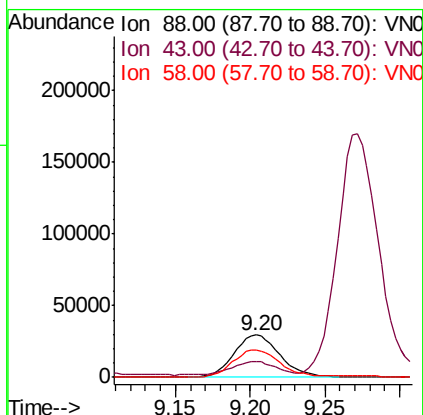
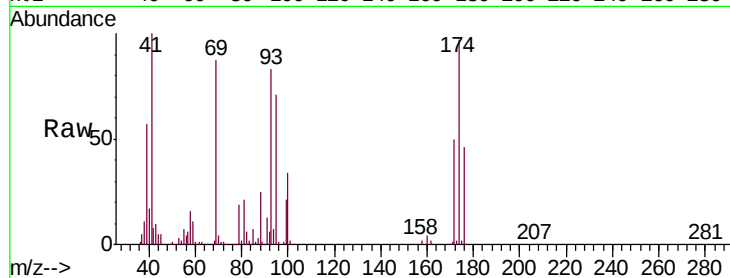




#49
1,4-Dioxane
Concen: 402.224 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

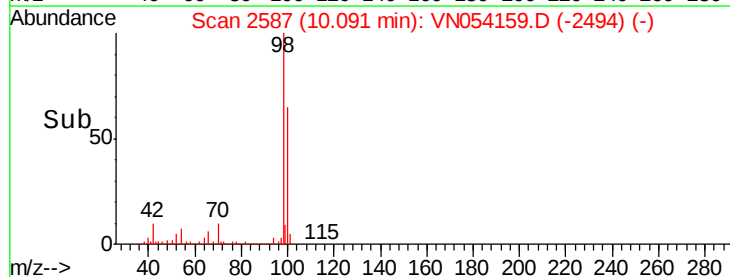
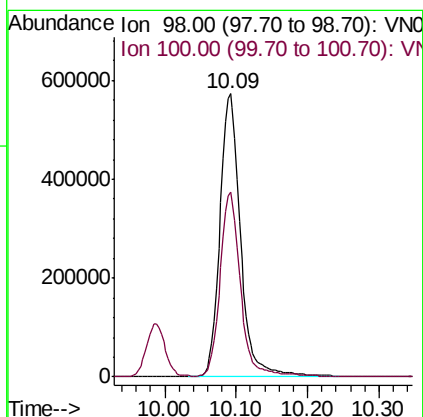
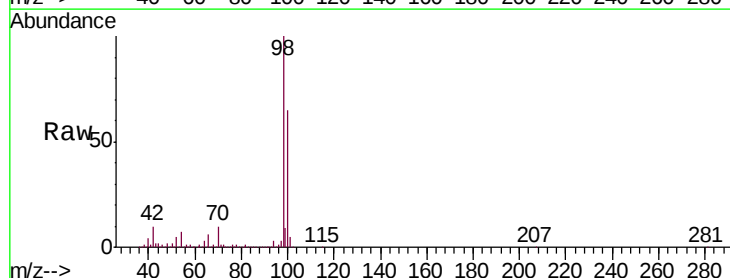
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

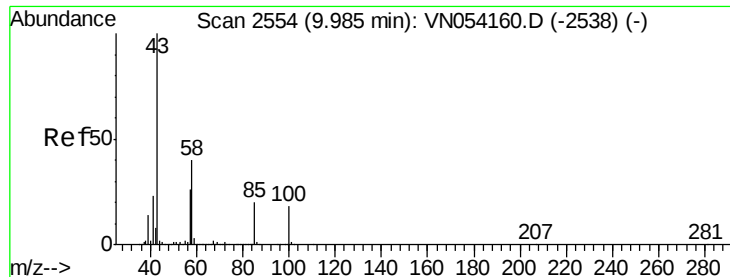
Tgt Ion: 88 Resp: 63117
Ion Ratio Lower Upper
88 100
43 30.5 24.1 36.1
58 66.3 50.8 76.2



#50
Toluene-d8
Concen: 20.531 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 98 Resp: 1151018
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8

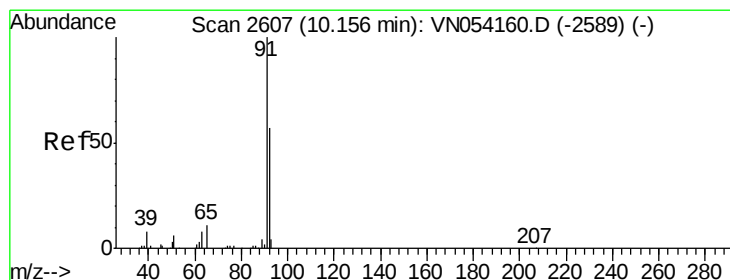
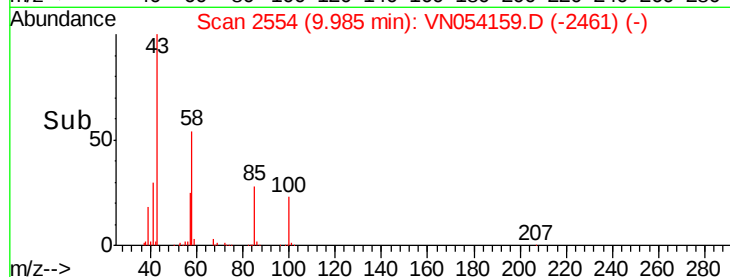
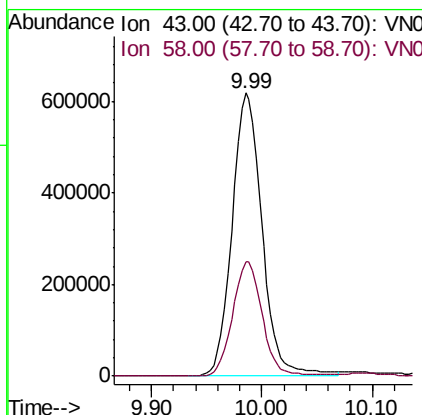
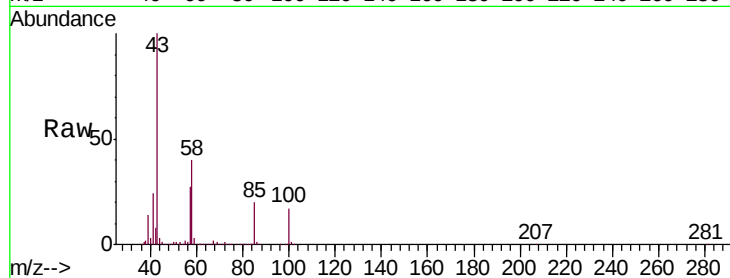




#51
4-Methyl-2-Pentanone
Concen: 100.285 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

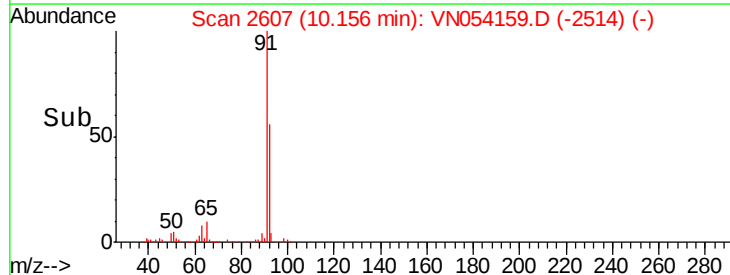
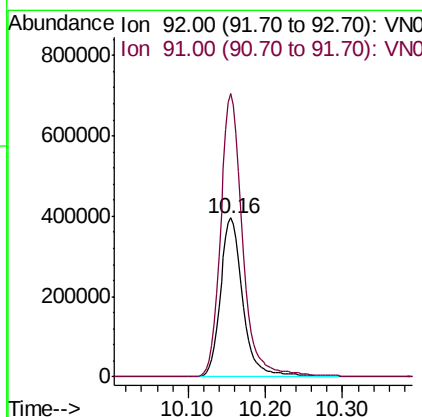
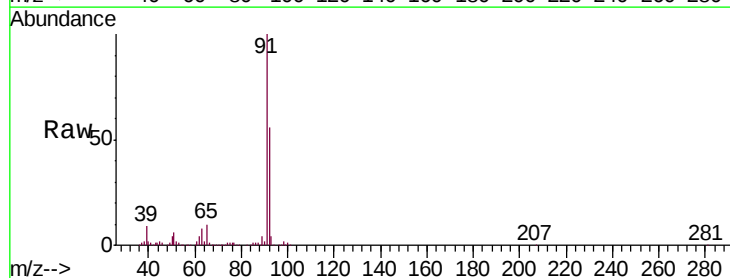
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

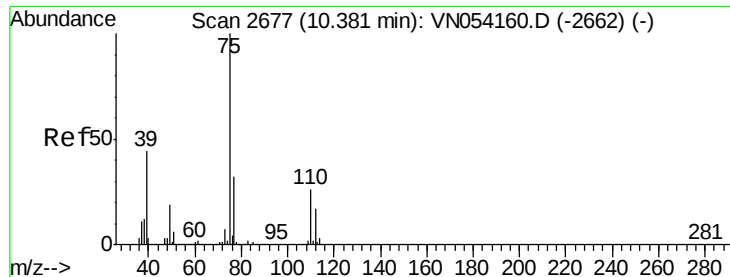
Tgt Ion: 43 Resp: 1160166
Ion Ratio Lower Upper
43 100
58 39.8 31.8 47.6



#52
Toluene
Concen: 20.372 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 92 Resp: 801186
Ion Ratio Lower Upper
92 100
91 176.6 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 19.384 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampled :

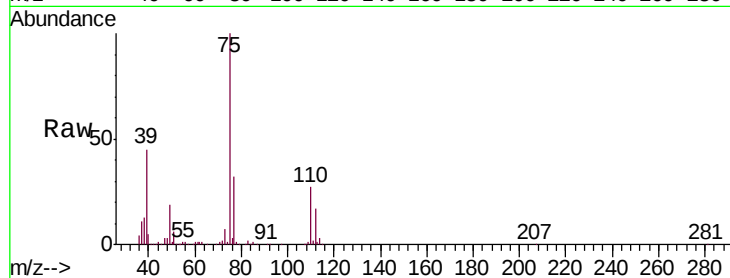
VSTDIC020

Tgt Ion: 75 Resp: 432301

Ion Ratio Lower Upper

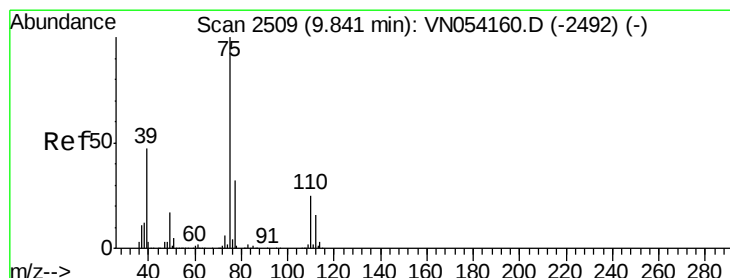
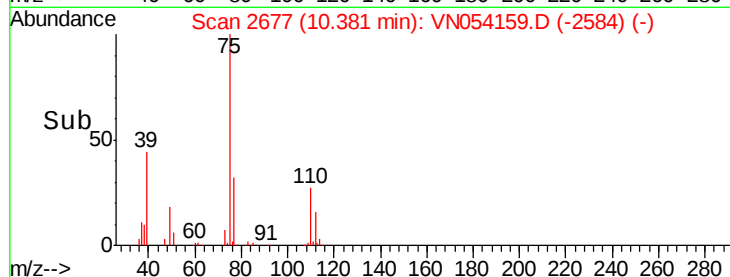
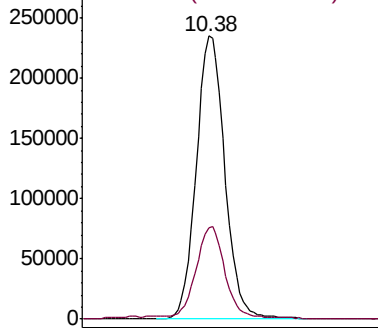
75 100

77 32.0 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.479 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

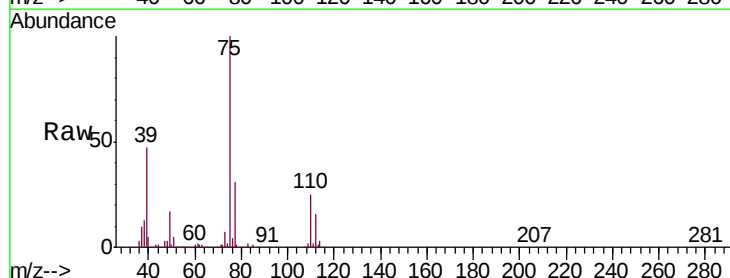
Tgt Ion: 75 Resp: 497841

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

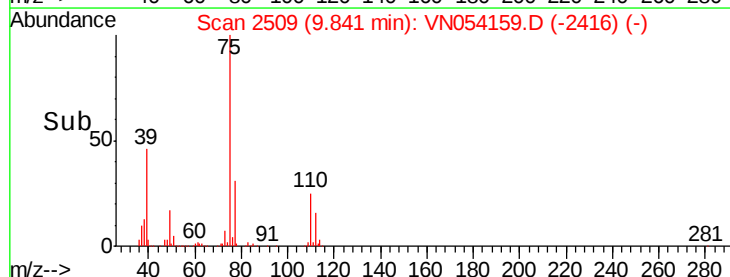
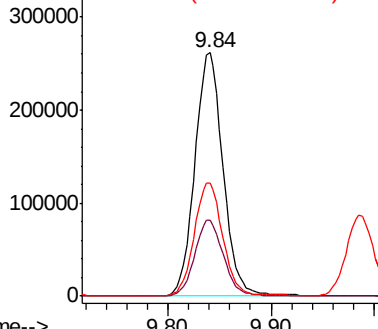
39 46.4 37.2 55.8

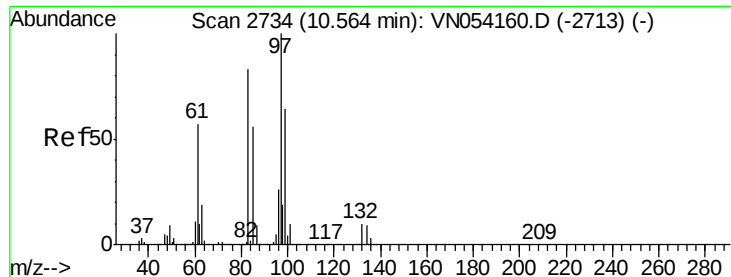


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

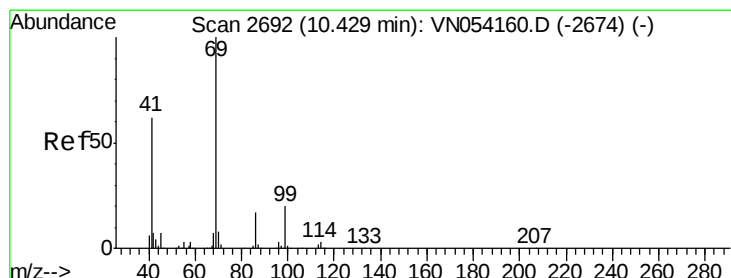
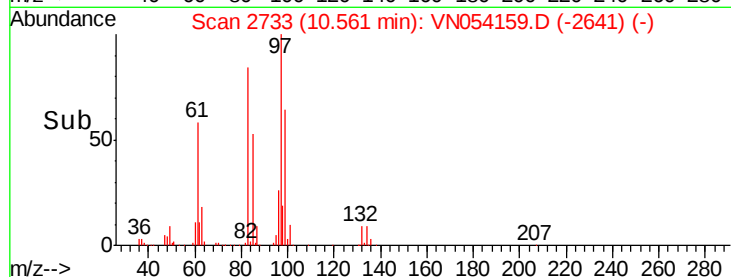
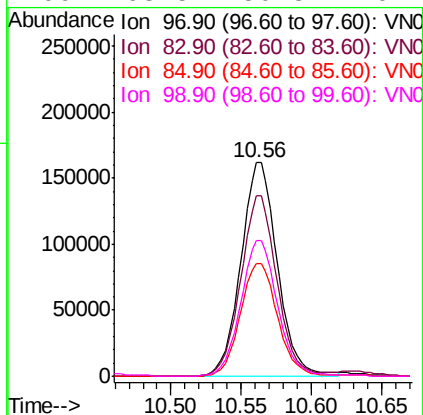
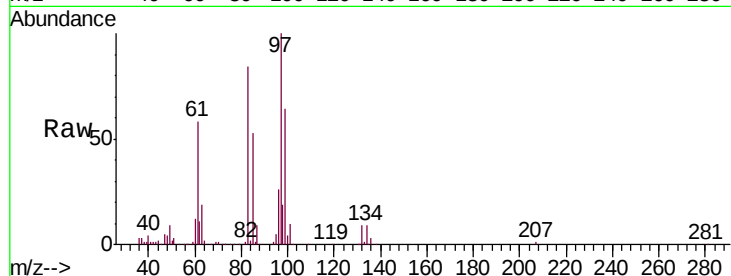




#55
 1,1,2-Trichloroethane
 Concen: 20.453 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

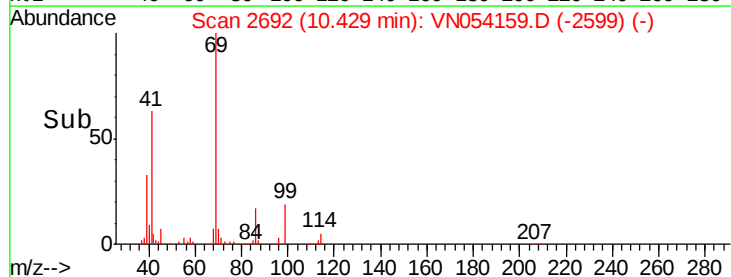
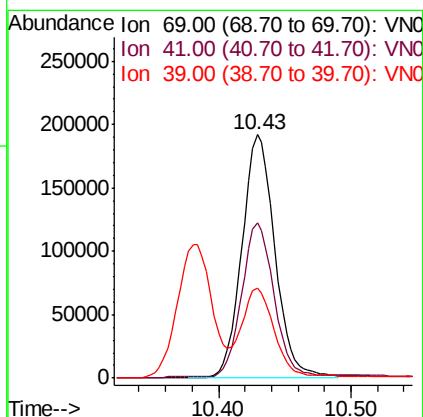
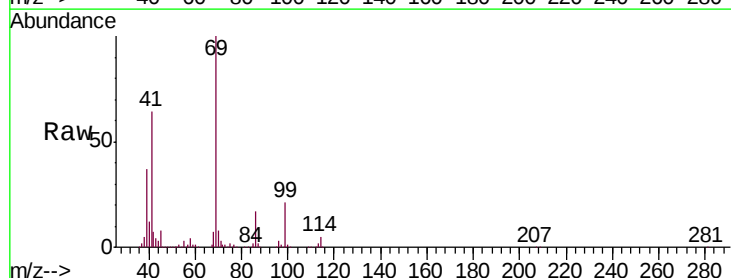
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

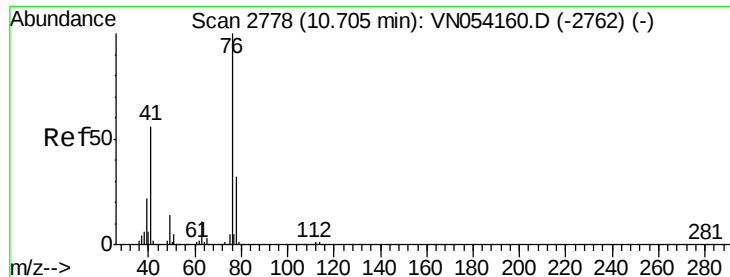
Tgt Ion:	97	Resp:	293703
Ion	Ratio	Lower	Upper
97	100		
83	84.3	66.6	100.0
85	53.0	44.4	66.6
99	63.5	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 19.442 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion:	69	Resp:	332900
Ion	Ratio	Lower	Upper
69	100		
41	62.0	49.4	74.2
39	36.6	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.707 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

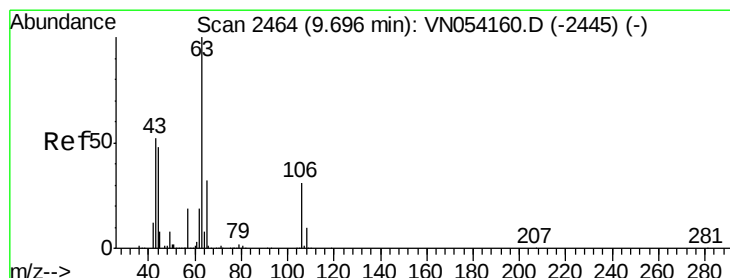
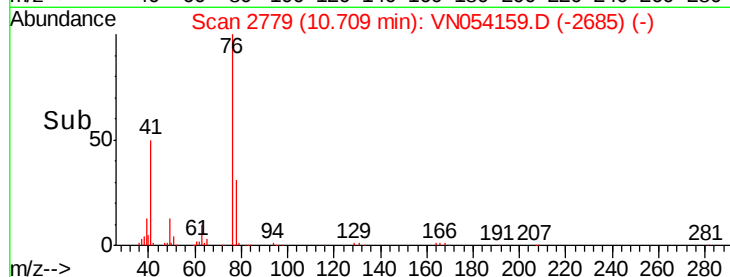
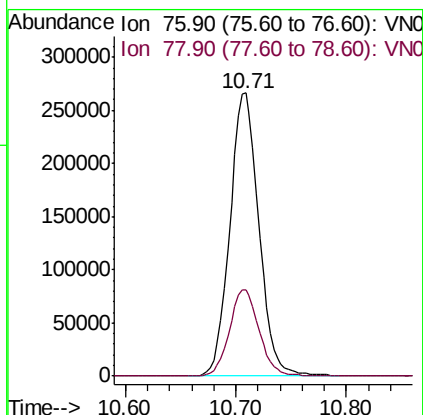
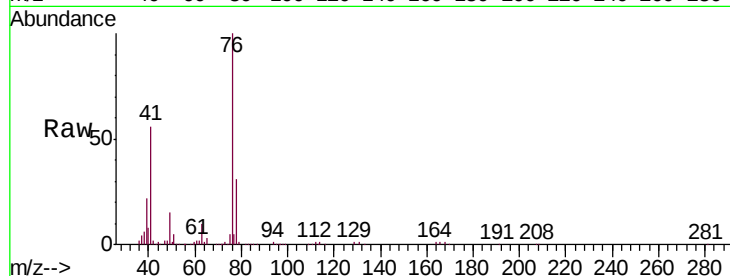
VSTDIC020

Tgt Ion: 76 Resp: 486217

Ion Ratio Lower Upper

76 100

78 31.2 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 97.068 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054159.D

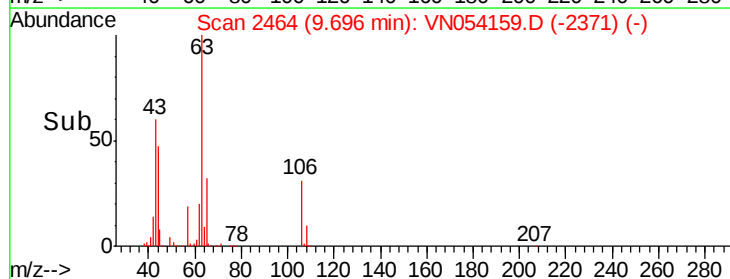
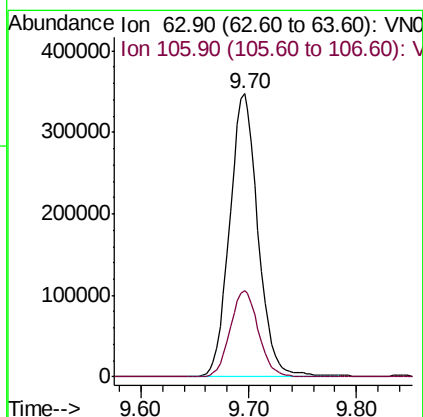
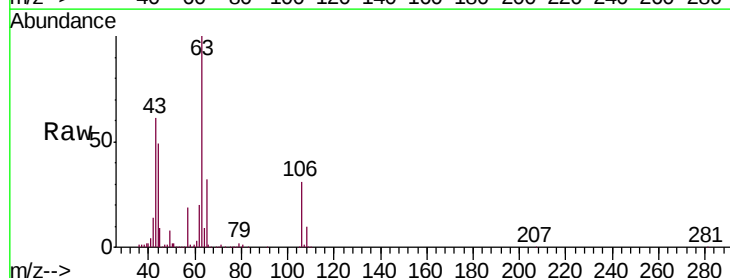
Acq: 12 Mar 2019 10:55

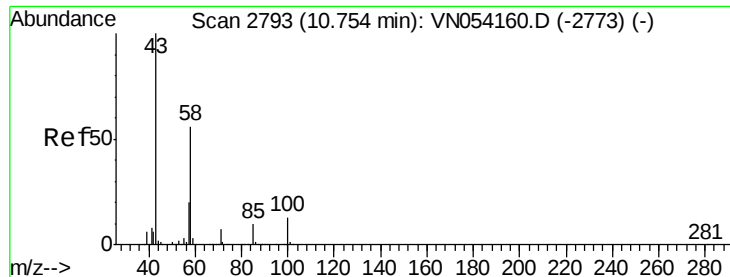
Tgt Ion: 63 Resp: 639078

Ion Ratio Lower Upper

63 100

106 30.4 24.4 36.6

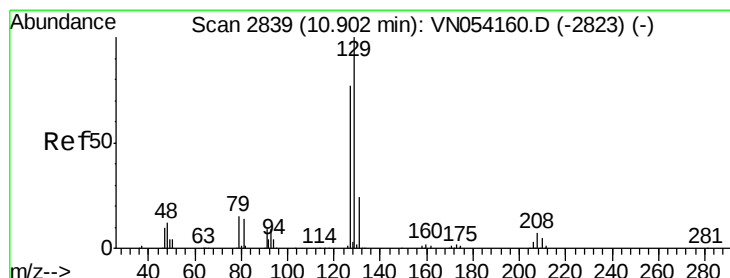
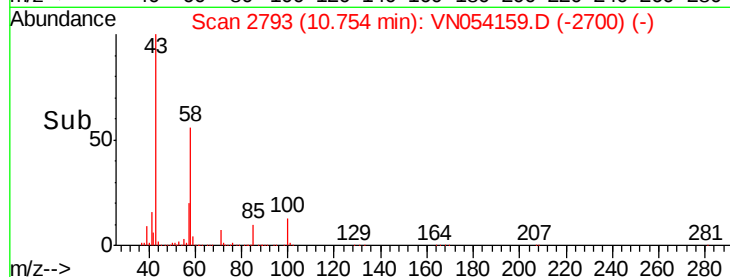
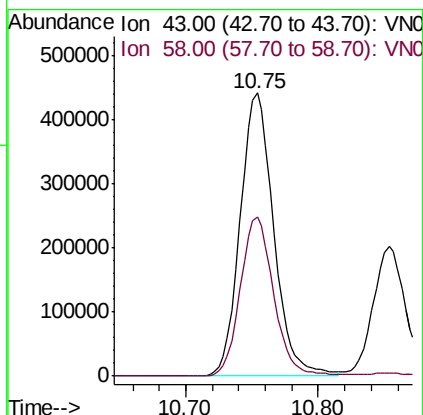
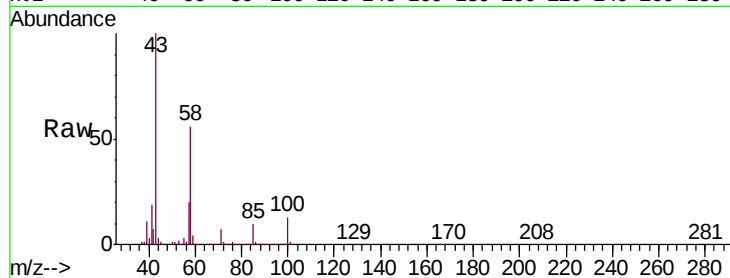




#59
2-Hexanone
Concen: 100.488 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

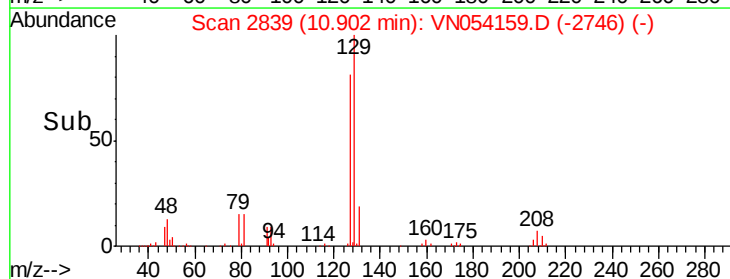
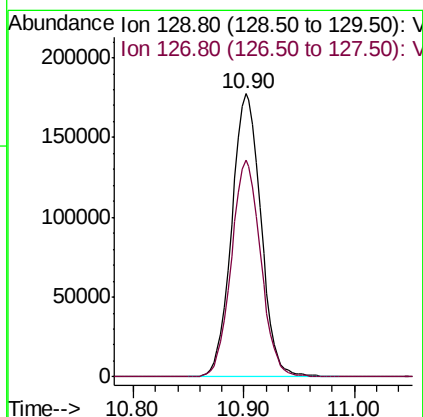
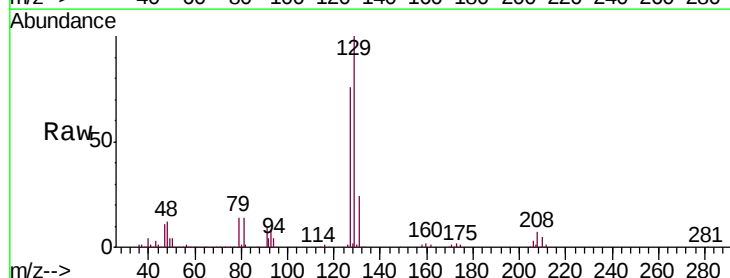
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

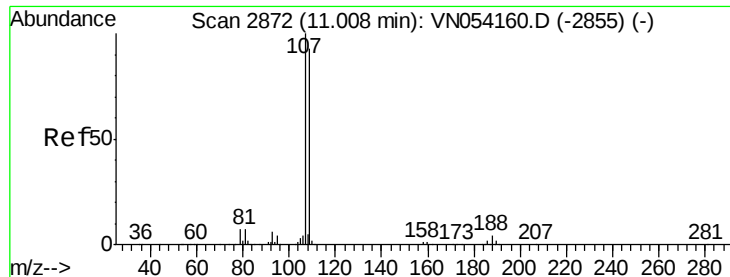
Tgt Ion: 43 Resp: 773534
Ion Ratio Lower Upper
43 100
58 56.3 28.0 83.9



#60
Dibromochloromethane
Concen: 20.181 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 129 Resp: 326183
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.600 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

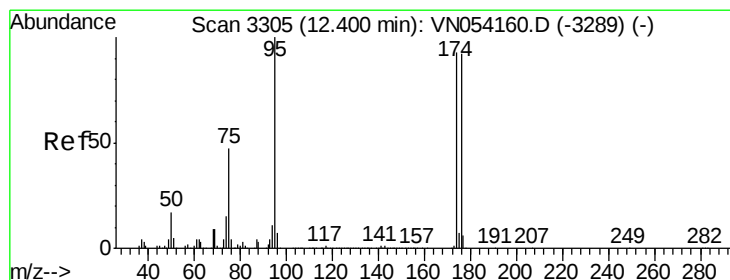
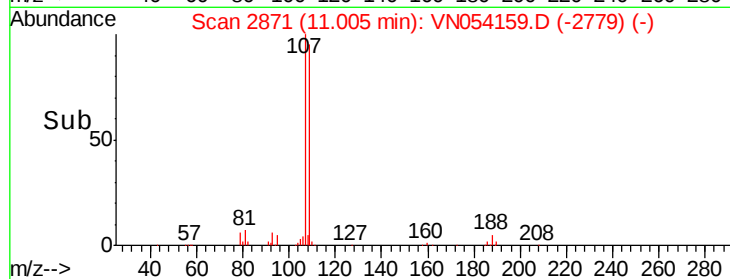
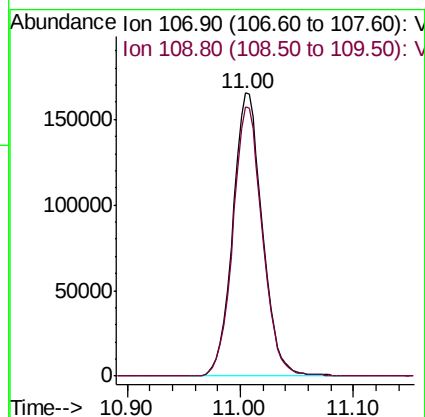
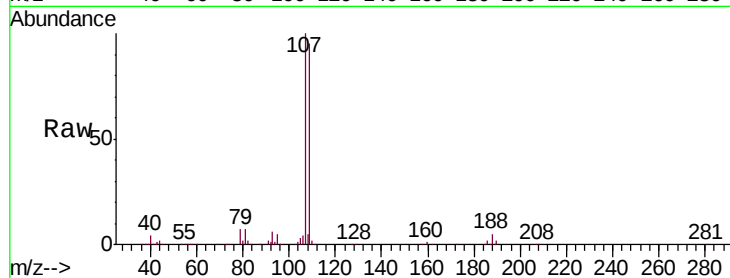
VSTDIC020

Tgt Ion: 107 Resp: 300610

Ion Ratio Lower Upper

107 100

109 95.0 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 20.002 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

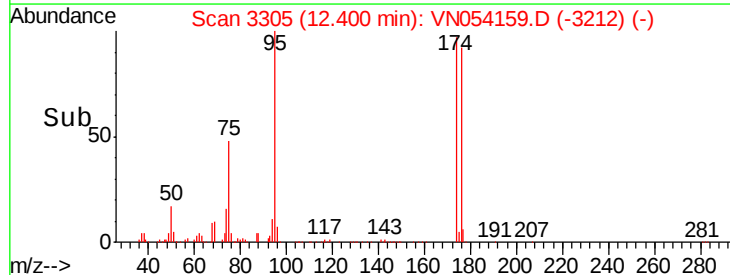
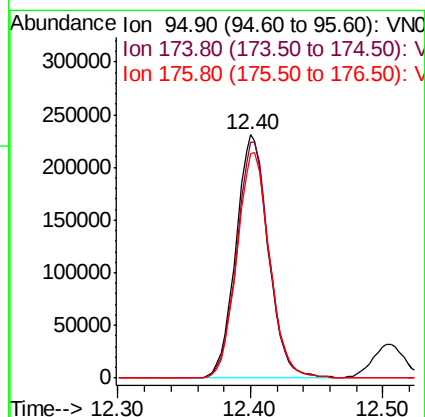
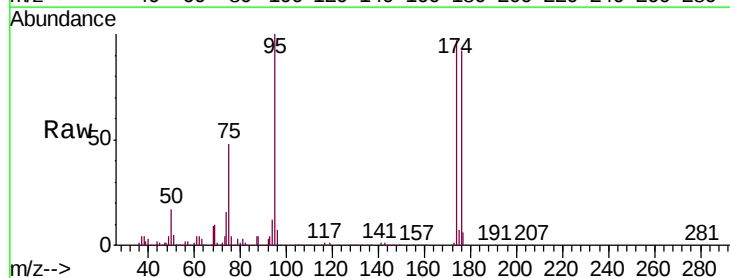
Tgt Ion: 95 Resp: 392366

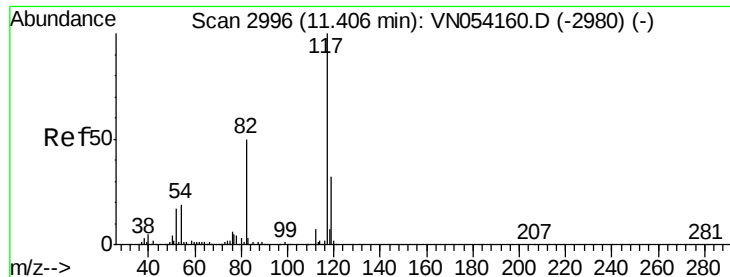
Ion Ratio Lower Upper

95 100

174 97.3 0.0 191.0

176 93.4 0.0 187.4

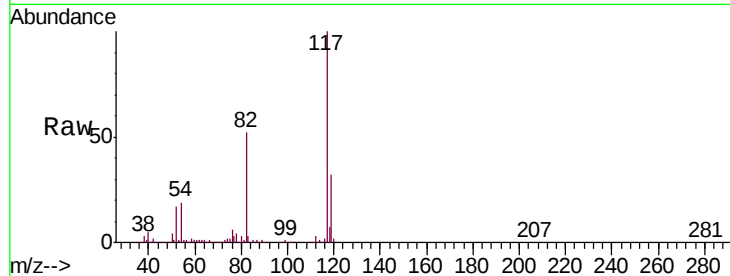




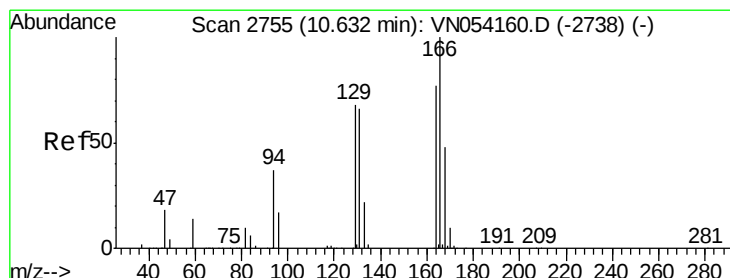
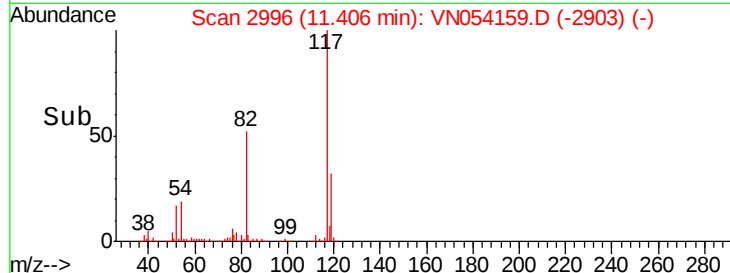
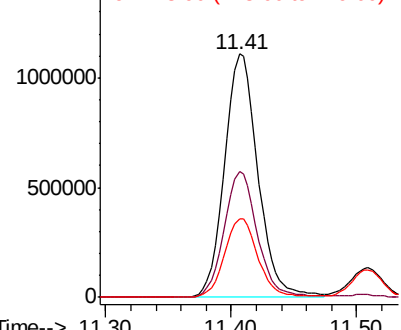
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion:117 Resp: 2050546
Ion Ratio Lower Upper
117 100
82 51.5 40.0 60.0
119 32.4 25.8 38.6

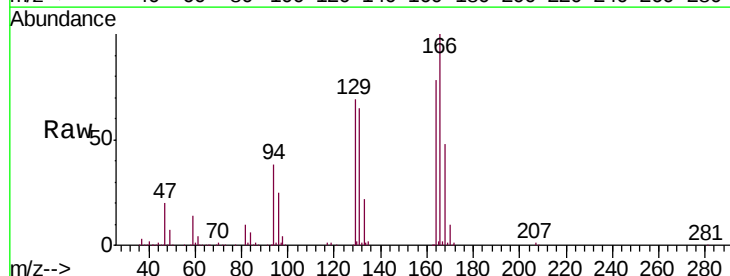


Abundance Ion 116.90 (116.60 to 117.60): V
1500000 Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

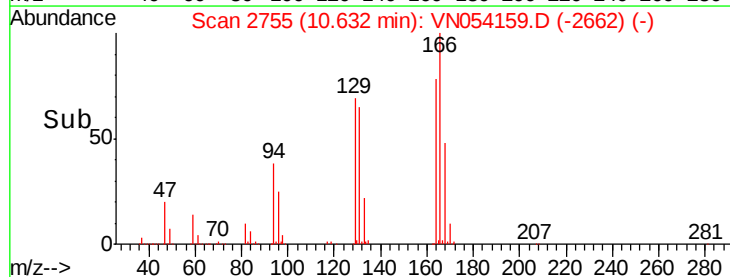
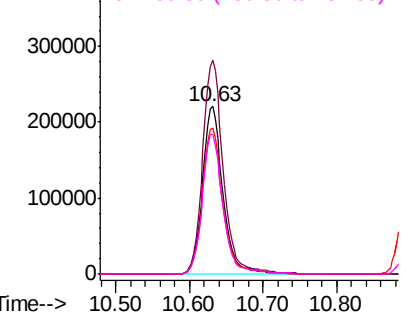


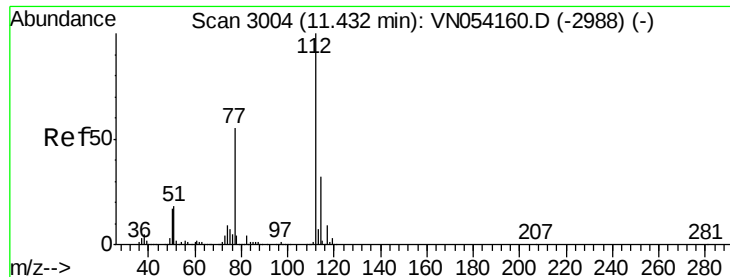
#64
Tetrachloroethene
Concen: 21.328 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion:164 Resp: 422837
Ion Ratio Lower Upper
164 100
166 127.5 103.9 155.9
129 87.5 71.1 106.7
131 82.9 68.2 102.4



Abundance Ion 163.80 (163.50 to 164.50): V
400000 Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.482 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampled :

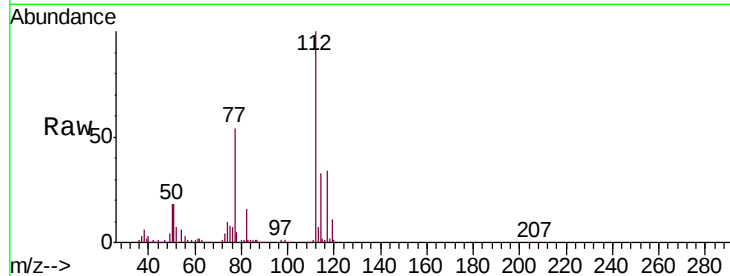
VSTDIC020

Tgt Ion:112 Resp: 922198

Ion Ratio Lower Upper

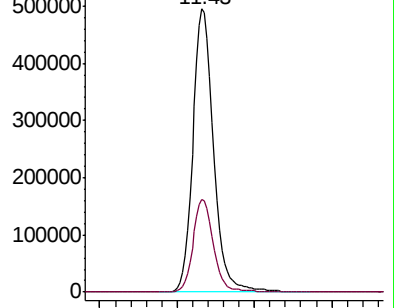
112 100

114 32.5 25.9 38.9

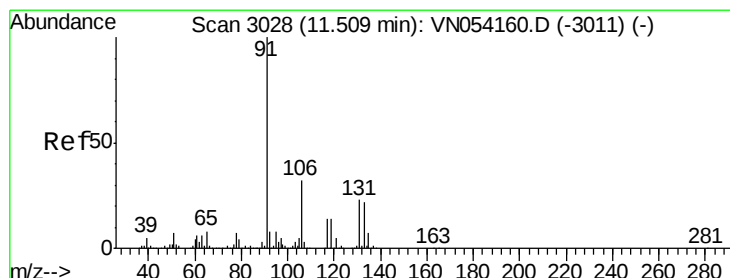
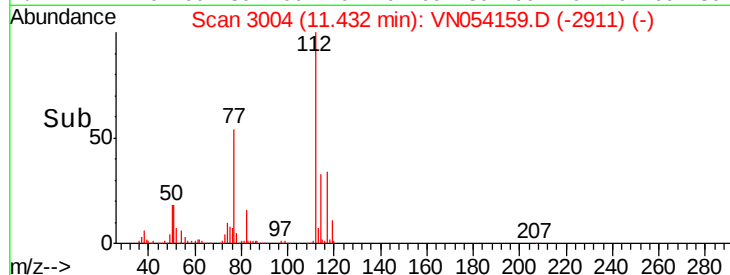


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 20.731 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

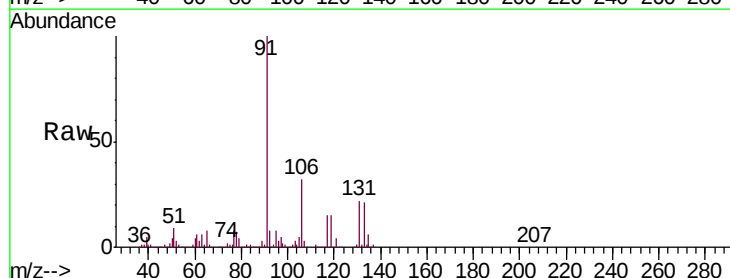
Tgt Ion:131 Resp: 339073

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

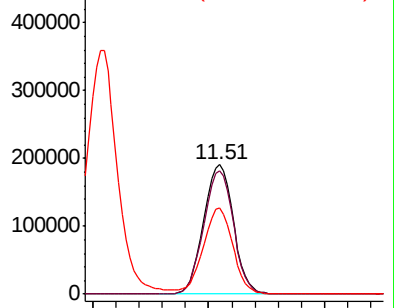
119 66.0 32.4 97.0



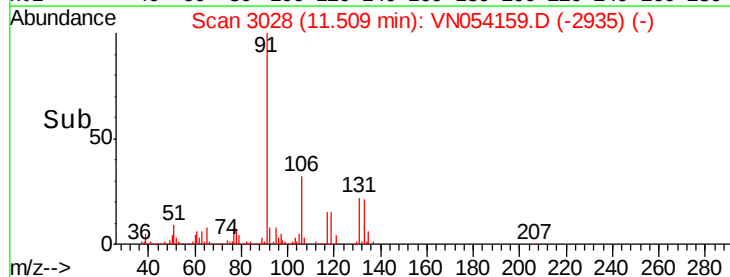
Abundance Ion 130.80 (130.50 to 131.50): V

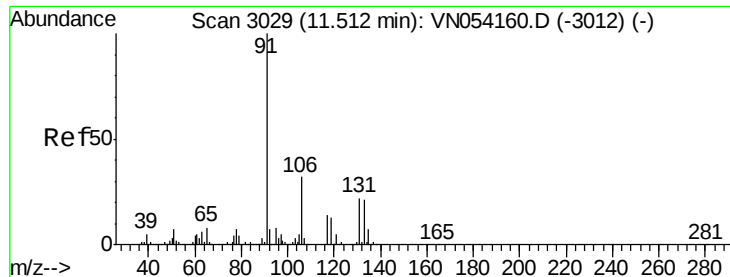
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time--> 11.40 11.50 11.60





#67

Ethyl Benzene

Concen: 20.412 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampled :

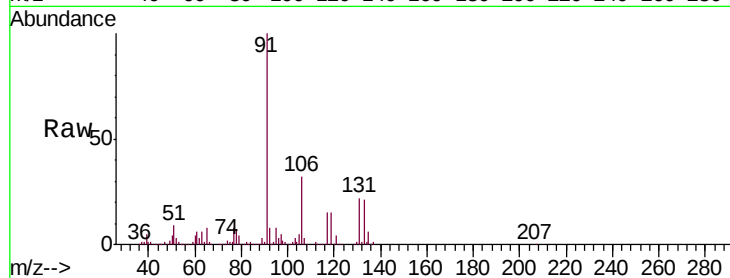
VSTDIC020

Tgt Ion: 91 Resp: 1523445

Ion Ratio Lower Upper

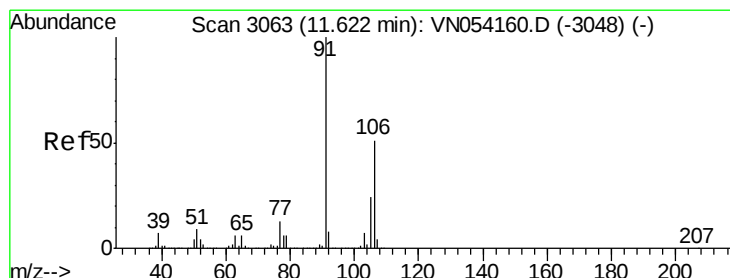
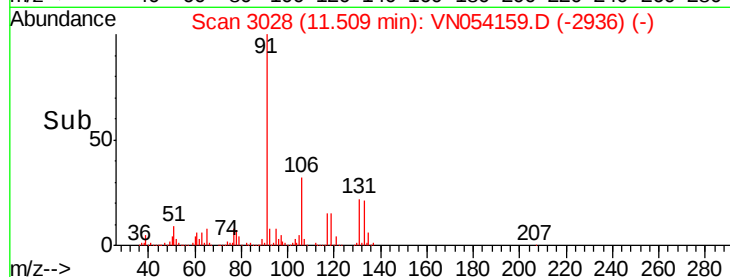
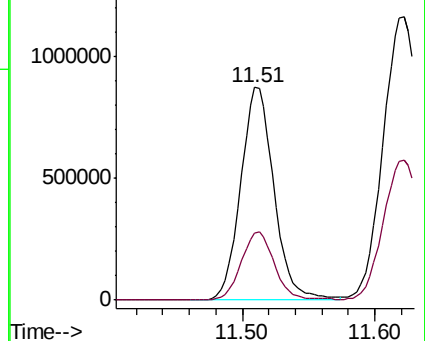
91 100

106 31.6 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN054160.D (-3012) (-)



#68

m/p-Xylenes

Concen: 40.746 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054159.D

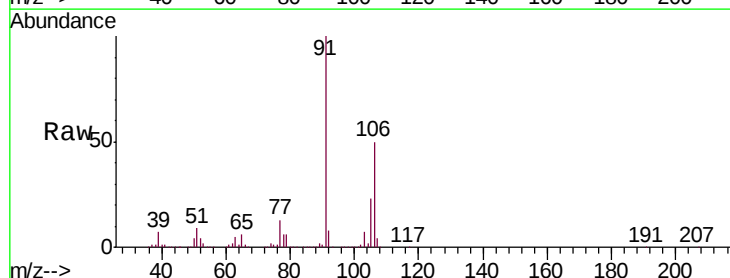
Acq: 12 Mar 2019 10:55

Tgt Ion: 106 Resp: 1188615

Ion Ratio Lower Upper

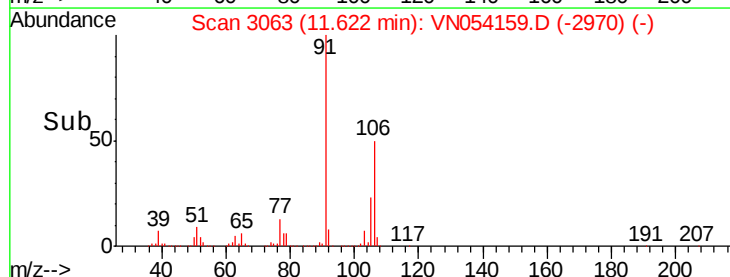
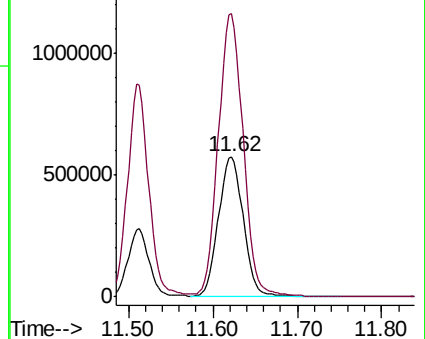
106 100

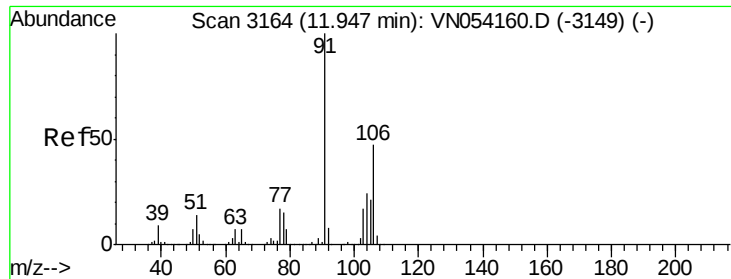
91 201.6 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054160.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN054160.D (-3048) (-)

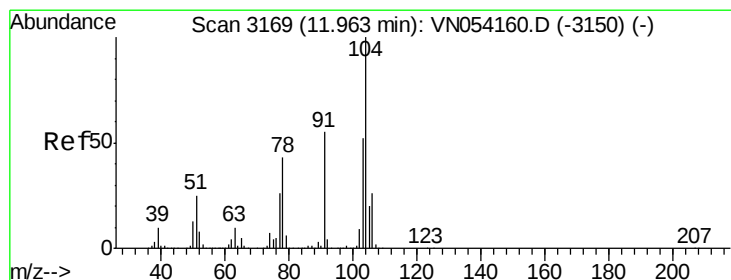
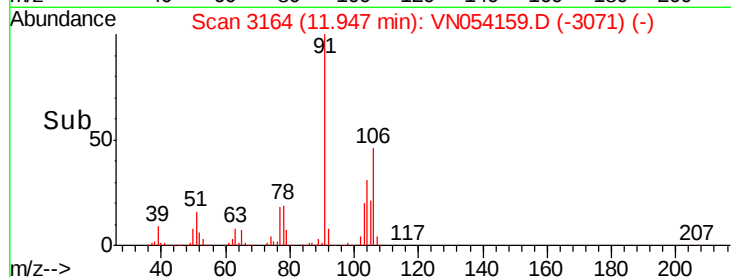
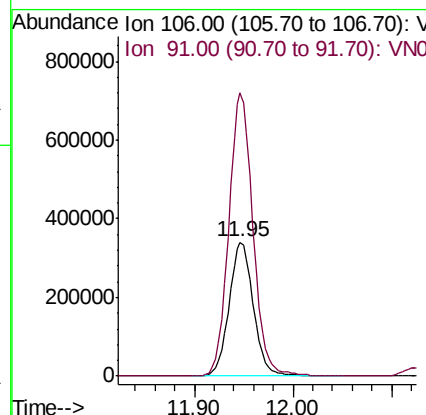
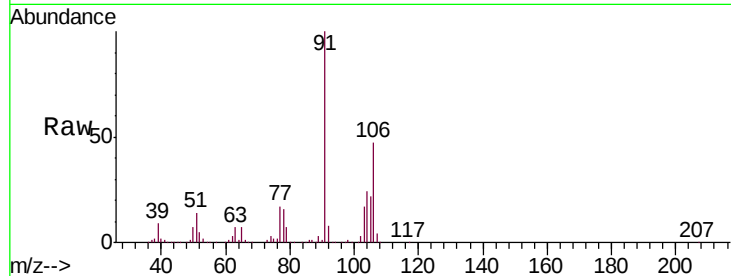




#69
o-Xylene
Concen: 20.671 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

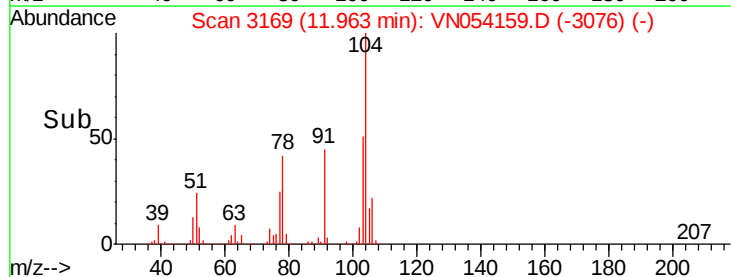
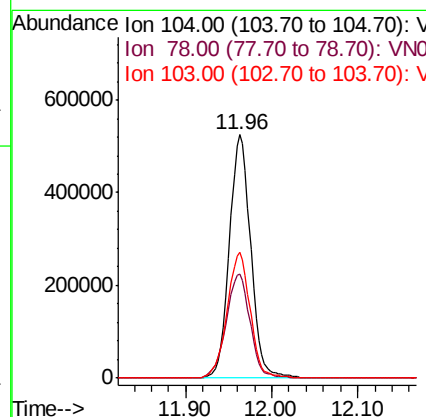
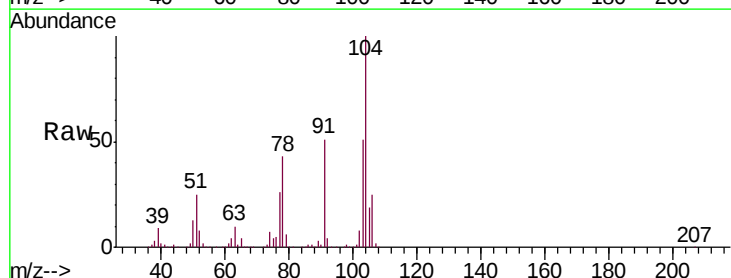
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

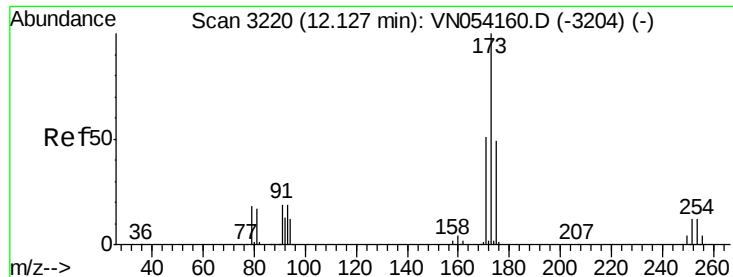
Tgt Ion:106 Resp: 587808
Ion Ratio Lower Upper
106 100
91 210.2 105.7 317.1



#70
Styrene
Concen: 20.361 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion:104 Resp: 908078
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 18.895 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

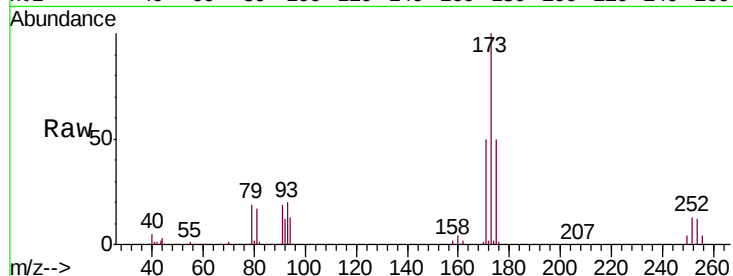
Tgt Ion:173 Resp: 216451

Ion Ratio Lower Upper

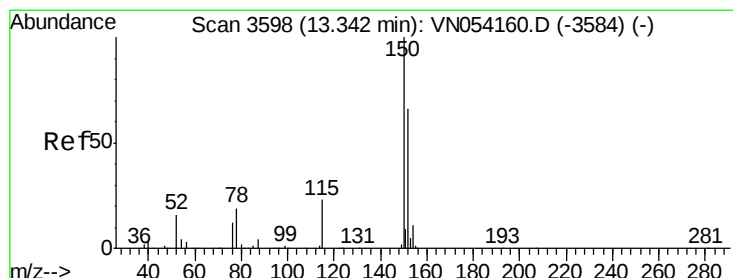
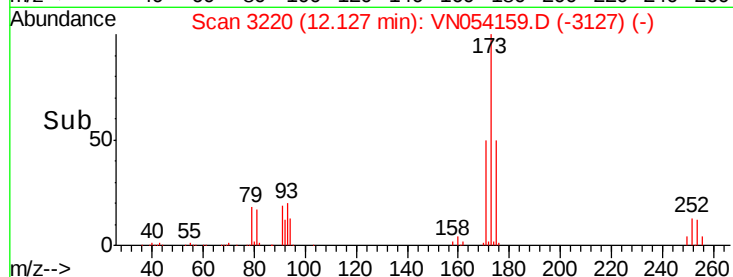
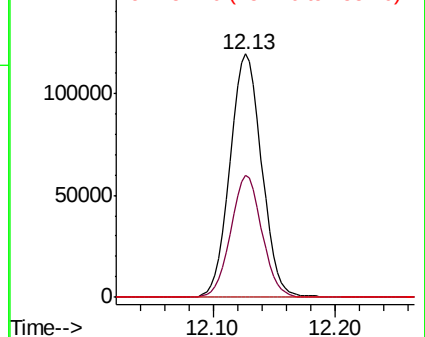
173 100

175 49.3 24.4 73.2

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

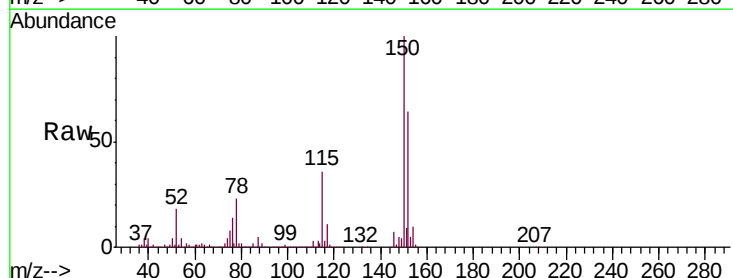
Tgt Ion:152 Resp: 958897

Ion Ratio Lower Upper

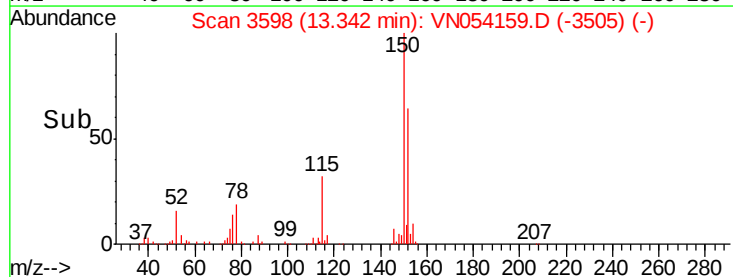
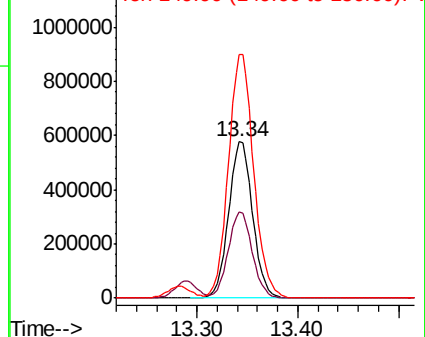
152 100

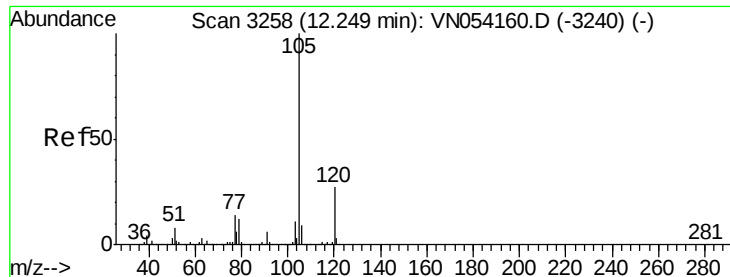
115 54.8 27.2 81.6

150 164.1 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.494 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

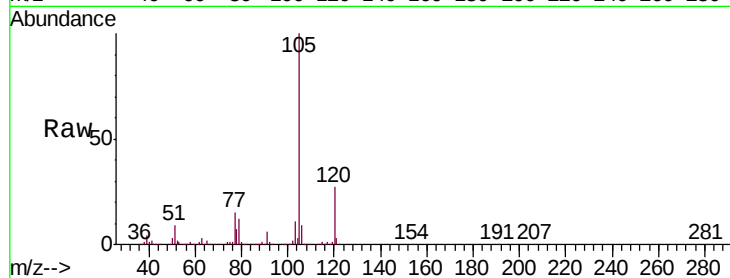
VSTDIC020

Tgt Ion:105 Resp: 1572289

Ion Ratio Lower Upper

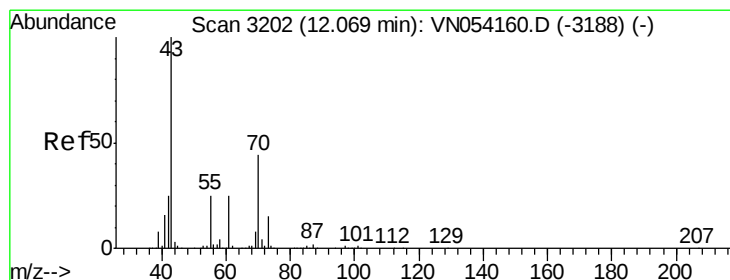
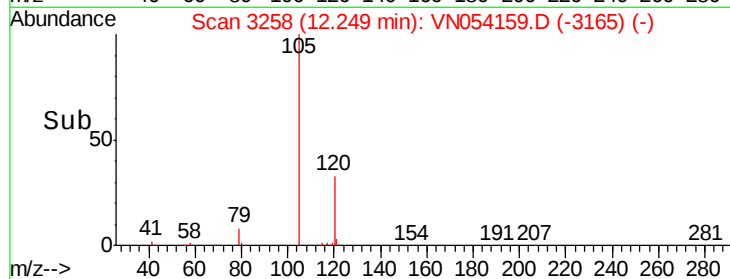
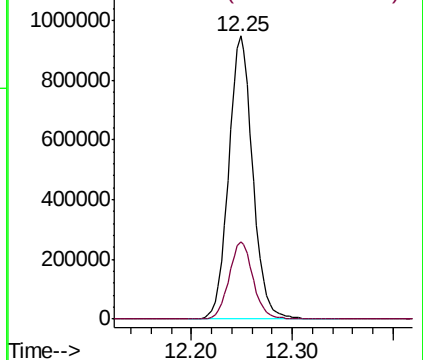
105 100

120 27.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.179 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Tgt Ion: 43 Resp: 343631

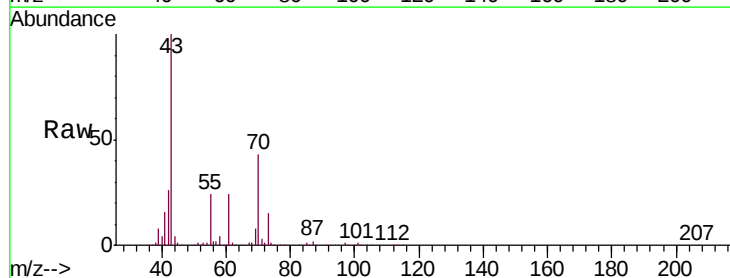
Ion Ratio Lower Upper

43 100

70 44.0 35.4 53.0

55 24.3 19.8 29.6

61 24.8 19.8 29.6

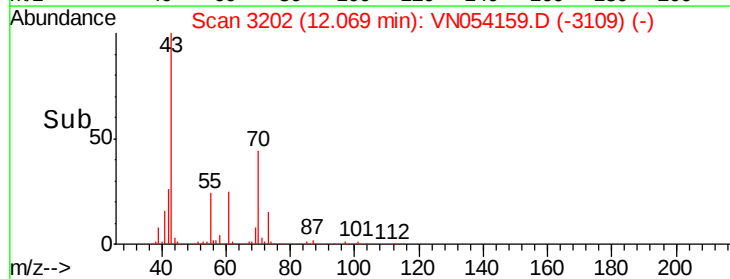
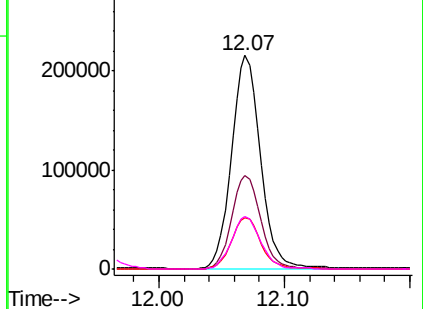


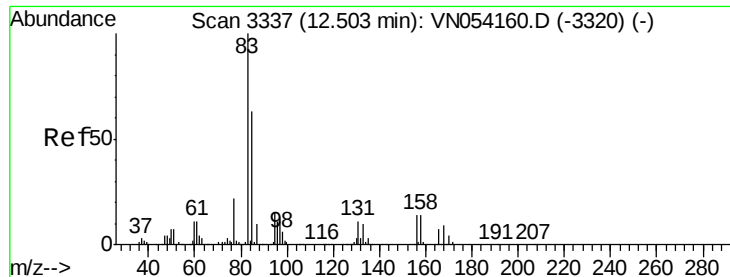
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.731 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

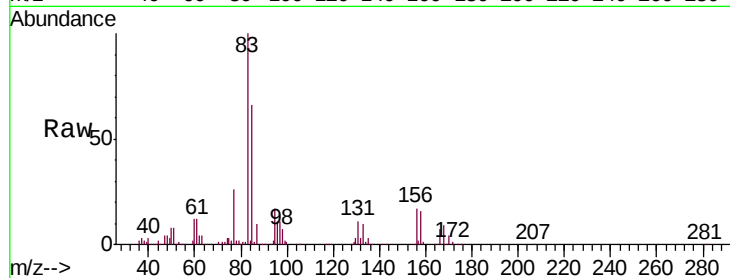
Tgt Ion: 83 Resp: 322513

Ion Ratio Lower Upper

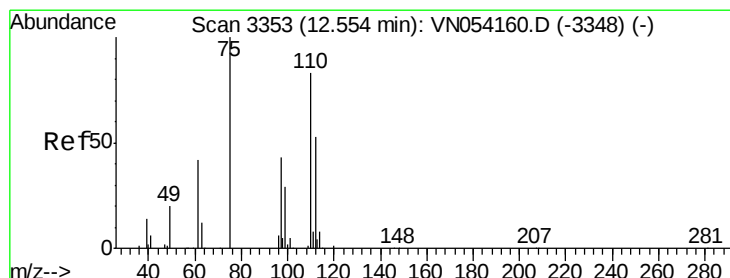
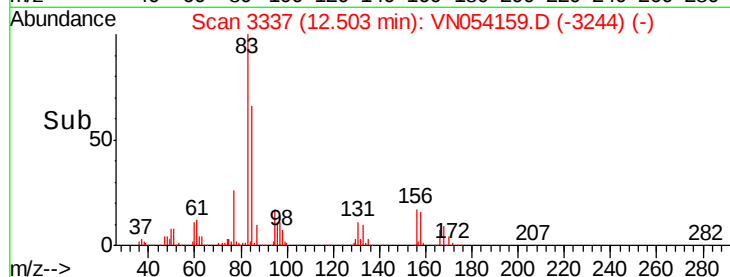
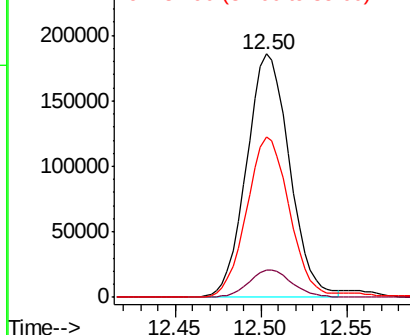
83 100

131 11.4 5.8 17.4

85 65.5 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 28.806 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054159.D

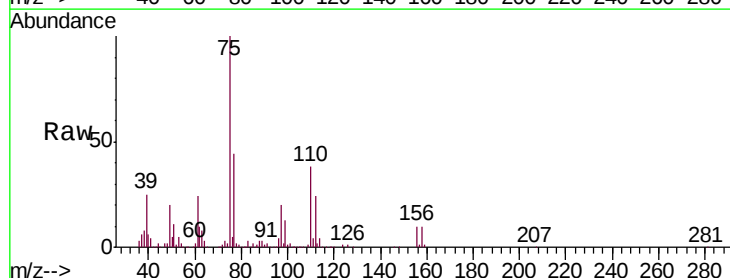
Acq: 12 Mar 2019 10:55

Tgt Ion: 75 Resp: 411552

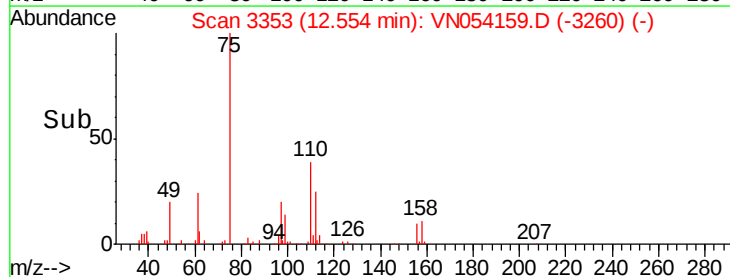
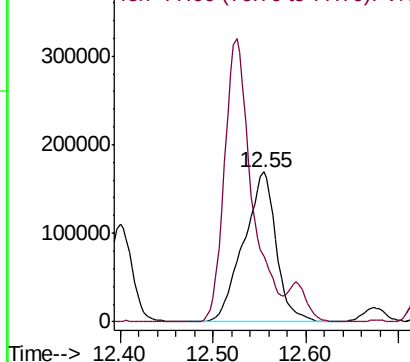
Ion Ratio Lower Upper

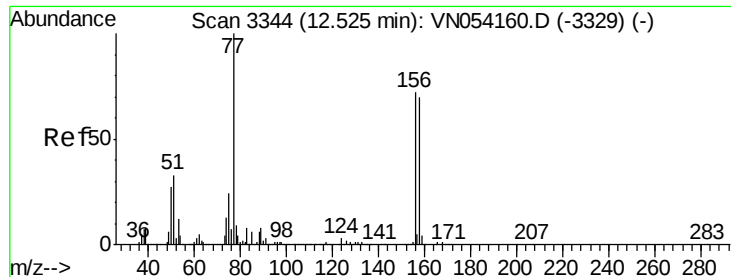
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.082 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

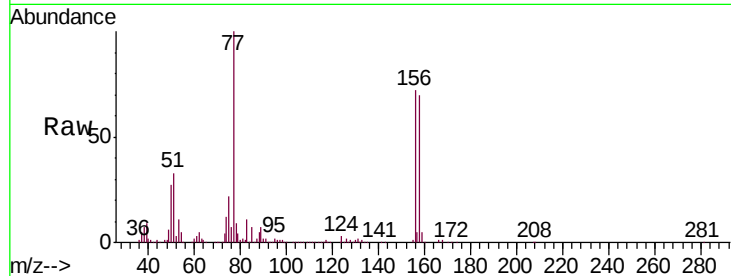
Tgt Ion:156 Resp: 407671

Ion Ratio Lower Upper

156 100

77 160.7 81.5 244.4

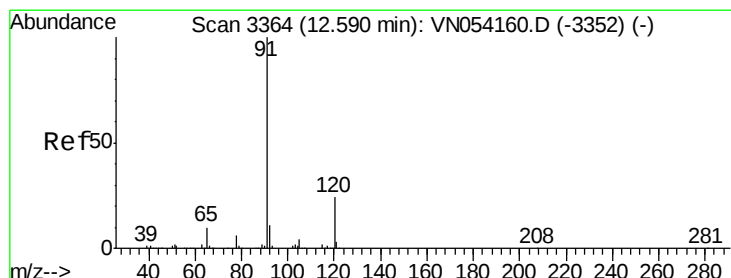
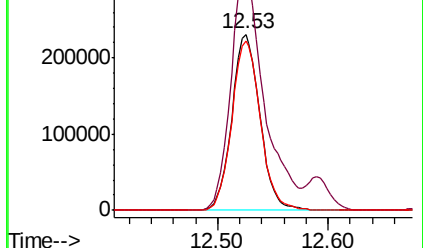
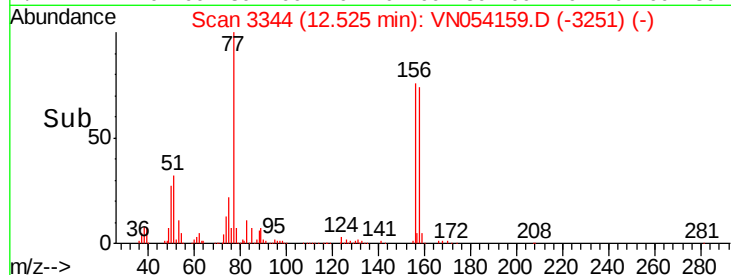
158 97.8 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.534 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054159.D

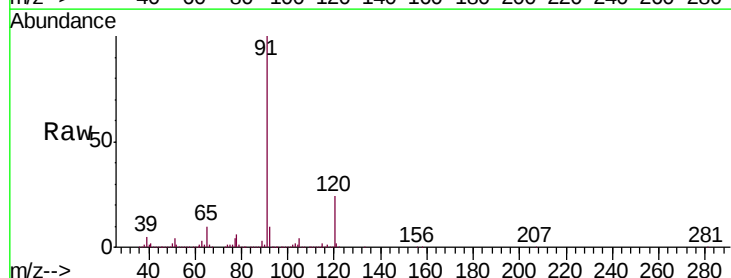
Acq: 12 Mar 2019 10:55

Tgt Ion: 91 Resp: 1709290

Ion Ratio Lower Upper

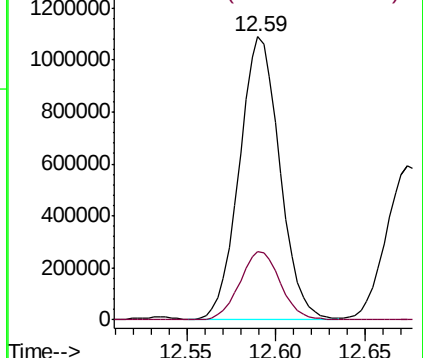
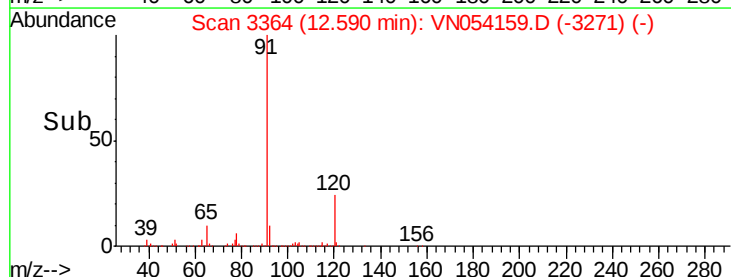
91 100

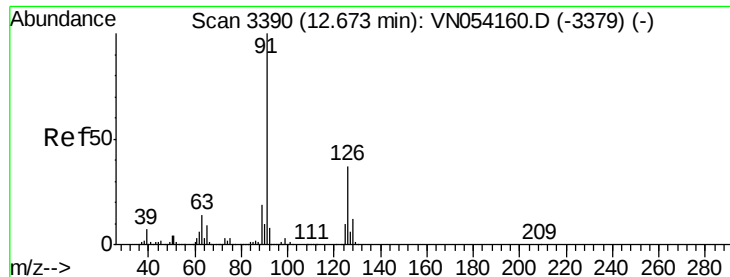
120 24.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.337 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampled :

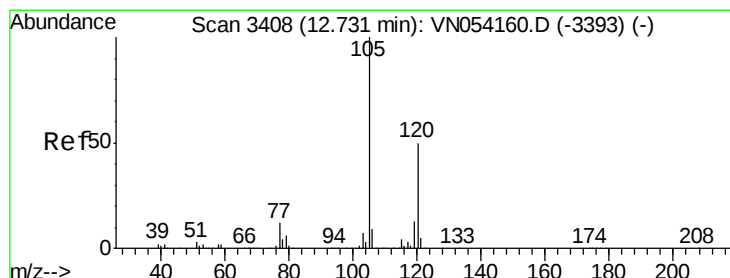
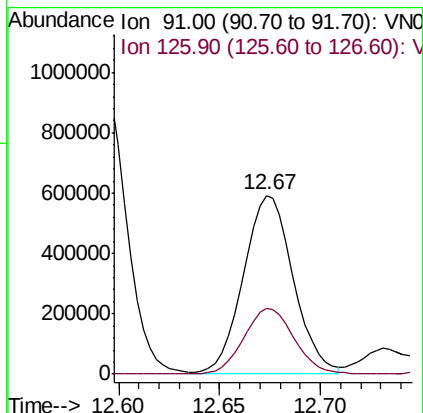
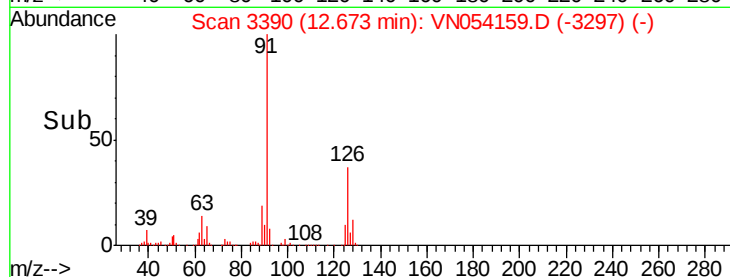
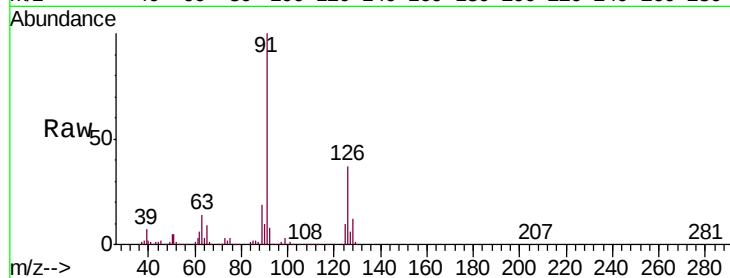
VSTDIC020

Tgt Ion: 91 Resp: 1017931

Ion Ratio Lower Upper

91 100

126 37.4 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.358 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054159.D

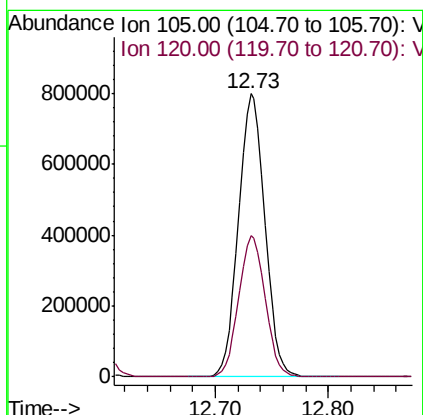
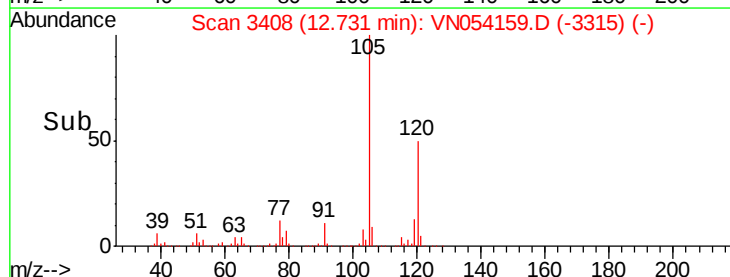
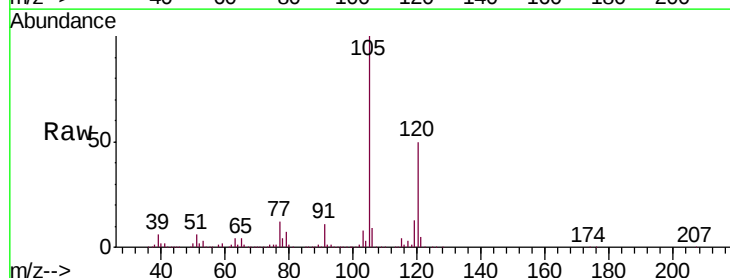
Acq: 12 Mar 2019 10:55

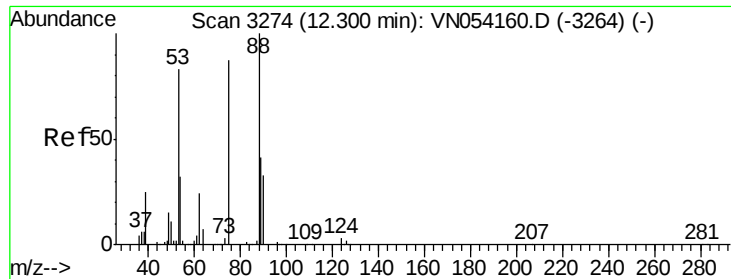
Tgt Ion: 105 Resp: 1299111

Ion Ratio Lower Upper

105 100

120 50.2 25.0 75.0

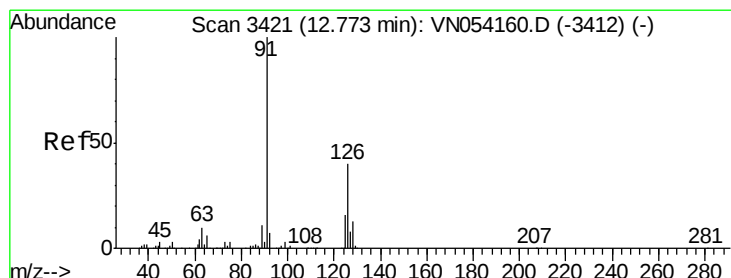
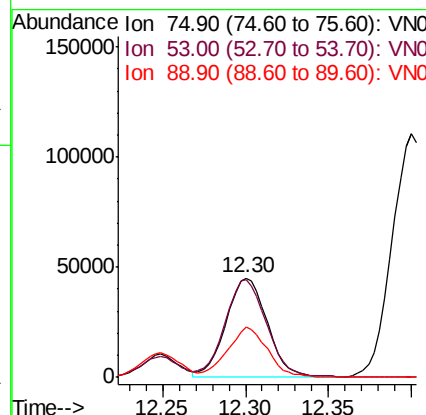
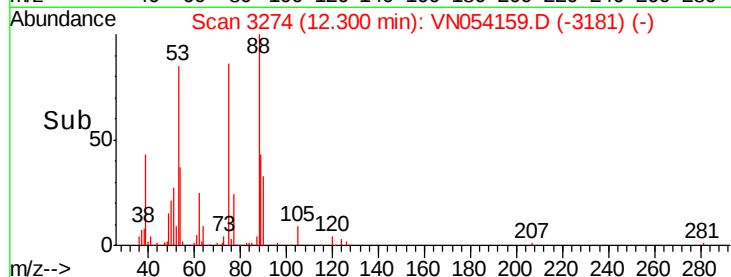
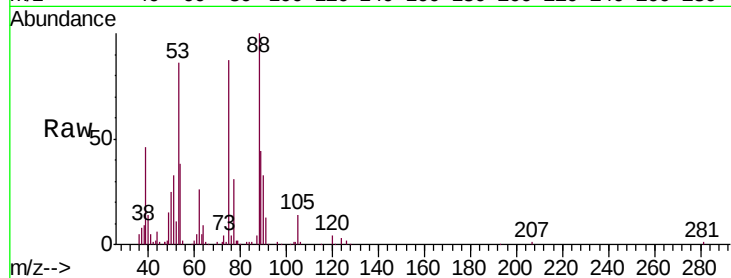




#81
trans-1,4-Dichloro-2-butene
Concen: 18.447 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

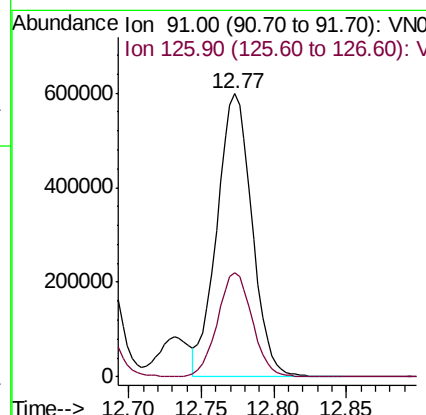
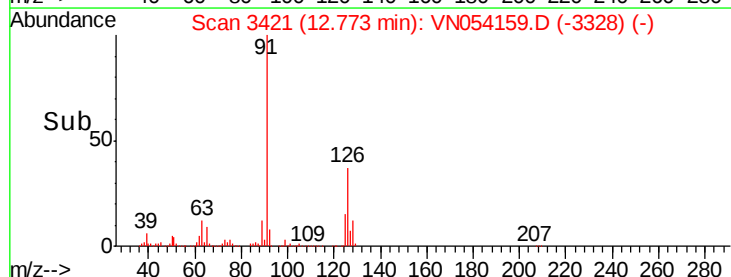
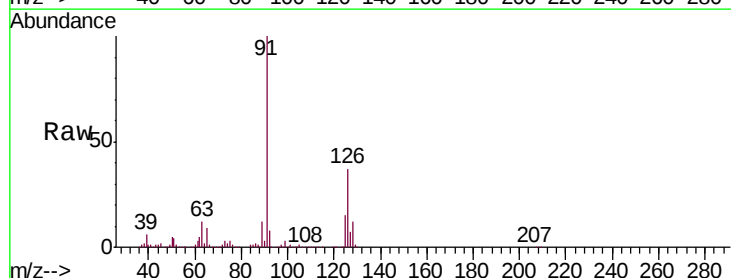
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

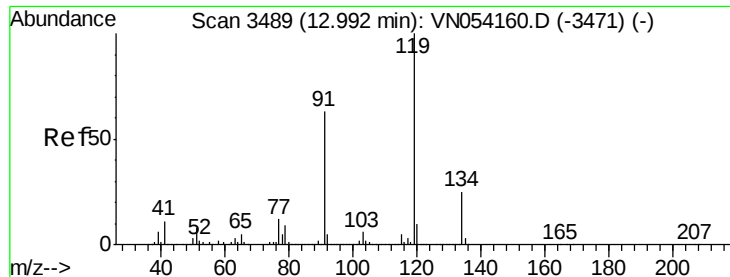
Tgt Ion: 75 Resp: 76696
Ion Ratio Lower Upper
75 100
53 102.3 76.2 114.2
89 50.2 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.075 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054159.D
Acq: 12 Mar 2019 10:55

Tgt Ion: 91 Resp: 1003312
Ion Ratio Lower Upper
91 100
126 36.6 18.1 54.1

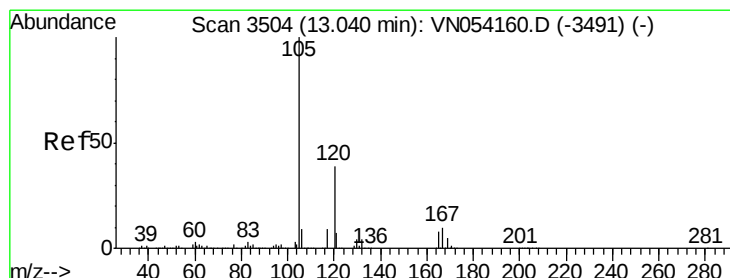
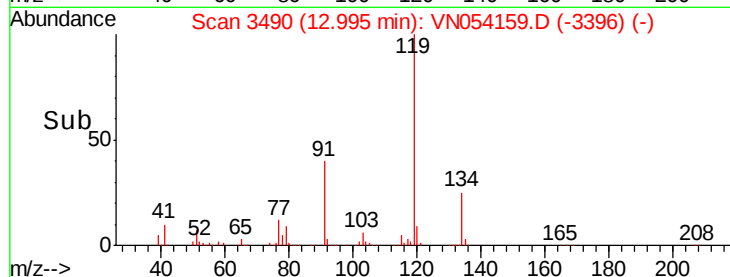
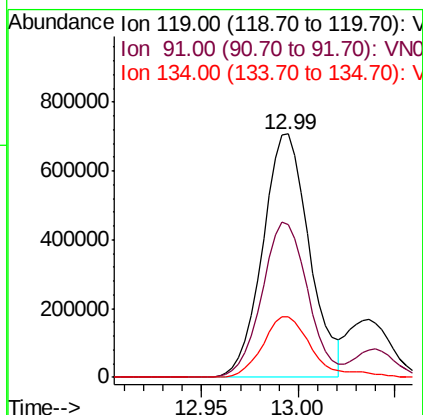
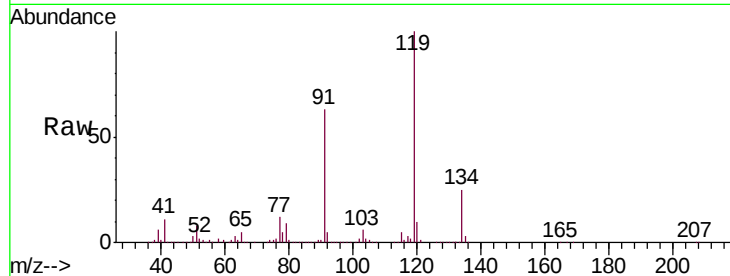




#83
 tert-Butylbenzene
 Concen: 20.206 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

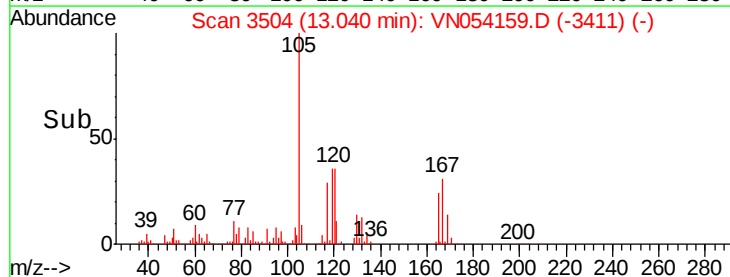
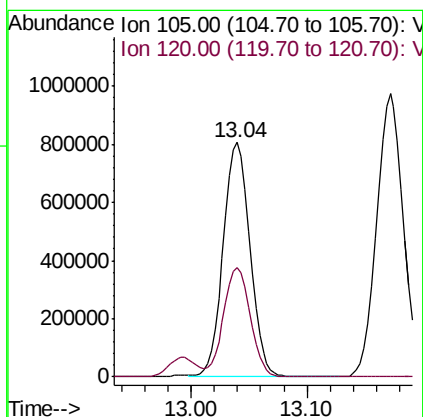
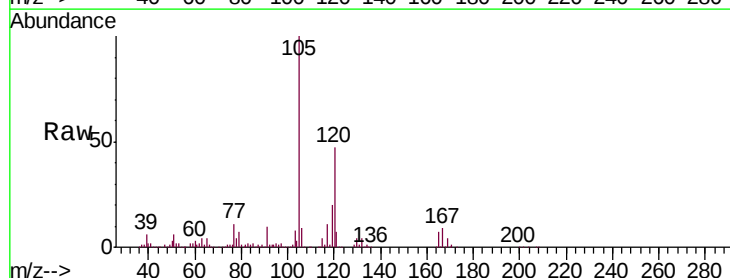
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

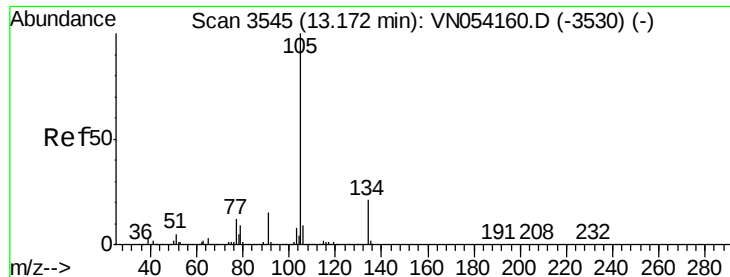
Tgt Ion:119 Resp: 1186843
 Ion Ratio Lower Upper
 119 100
 91 62.3 30.9 92.8
 134 26.5 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.547 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion:105 Resp: 1286342
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.570 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampled :

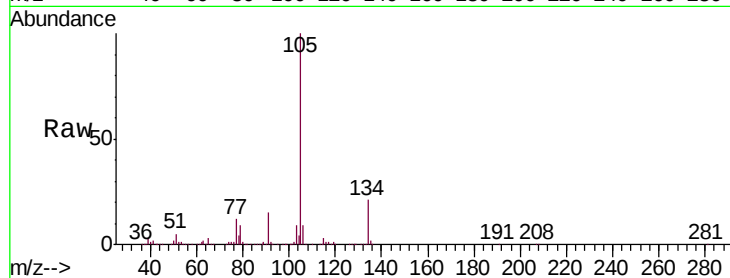
VSTDIC020

Tgt Ion:105 Resp: 1566905

Ion Ratio Lower Upper

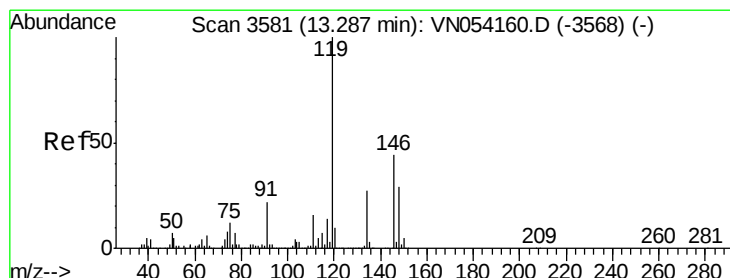
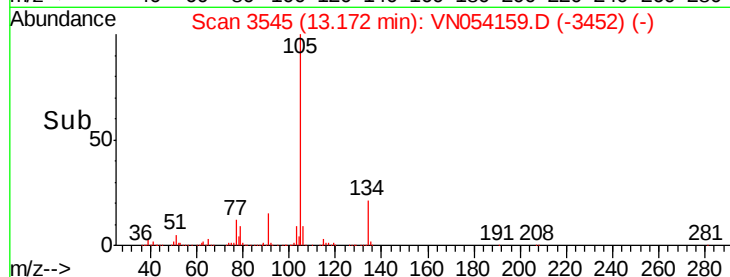
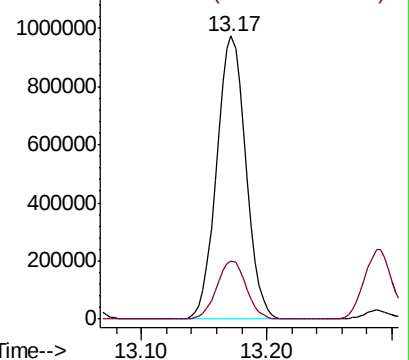
105 100

134 20.9 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.603 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

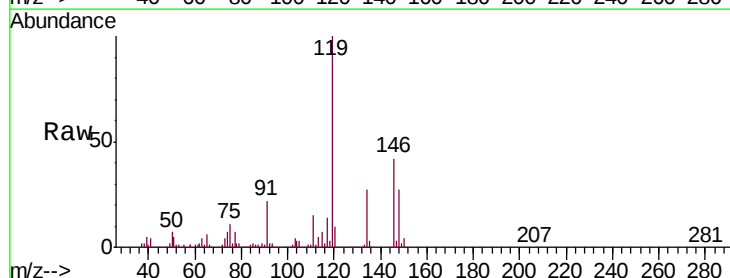
Tgt Ion:119 Resp: 1376854

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

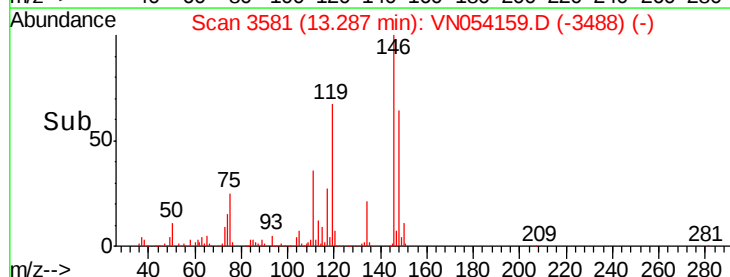
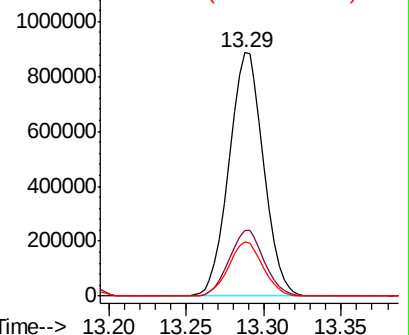
91 22.0 11.1 33.3

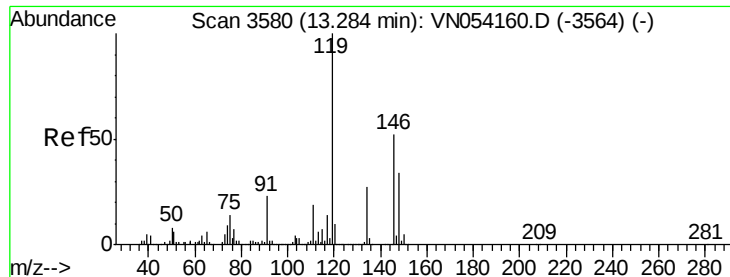


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

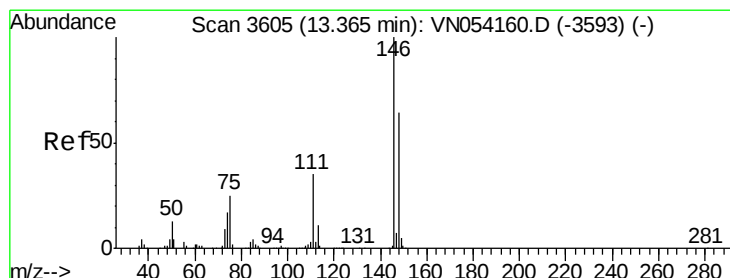
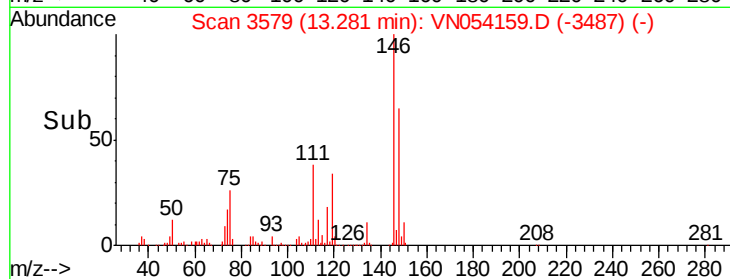
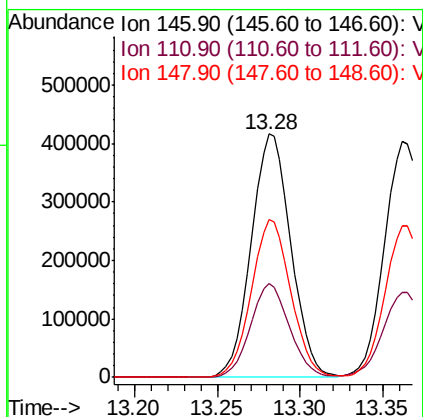
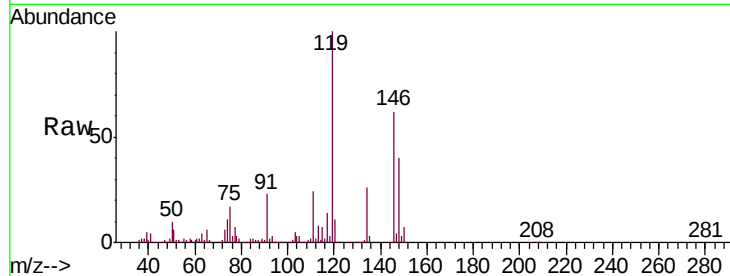




#87
 1,3-Dichlorobenzene
 Concen: 20.290 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

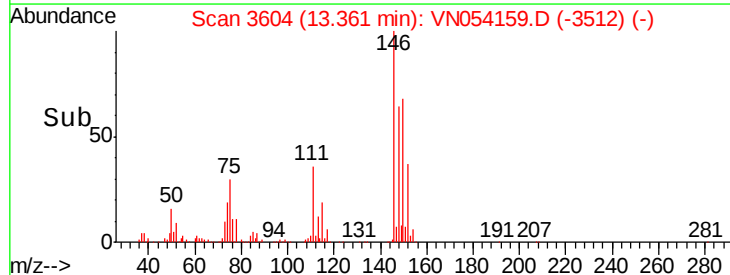
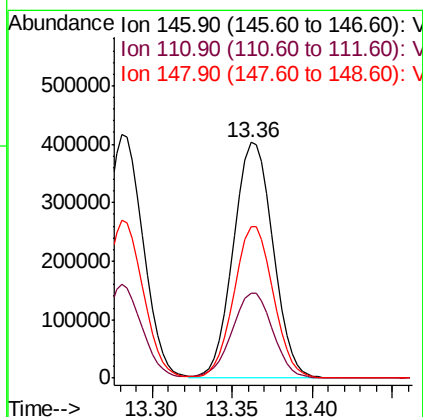
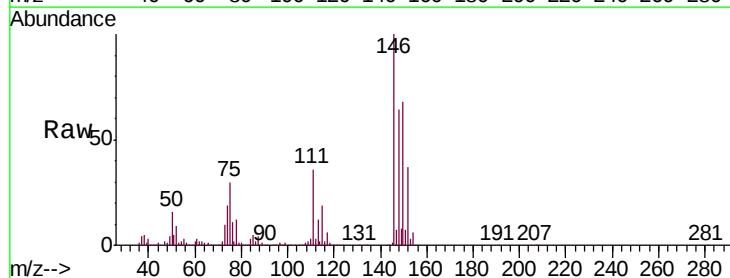
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

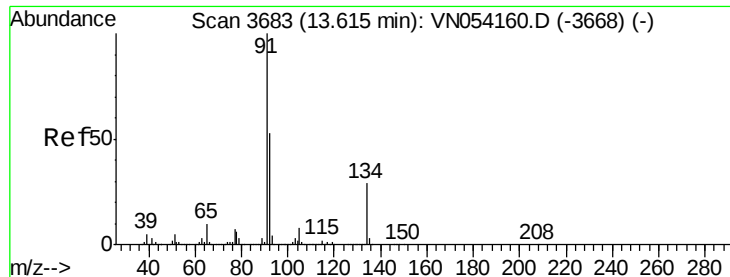
Tgt Ion:146 Resp: 694067
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.3
 148 64.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.248 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion:146 Resp: 680555
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.1 54.1
 148 64.1 32.0 96.0





#89

n-Butylbenzene

Concen: 20.783 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

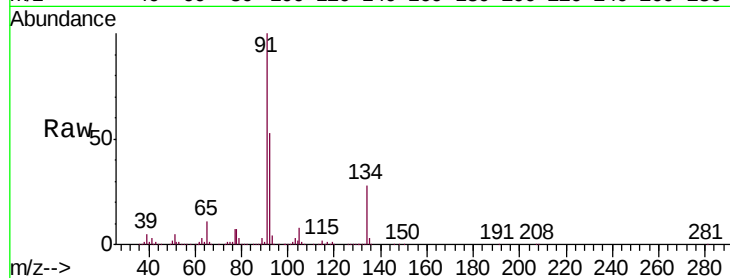
Tgt Ion: 91 Resp: 1055272

Ion Ratio Lower Upper

91 100

92 52.6 26.2 78.6

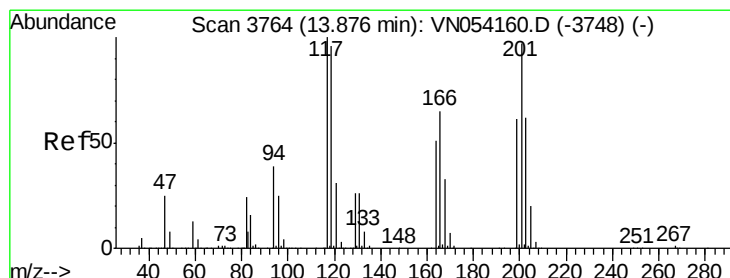
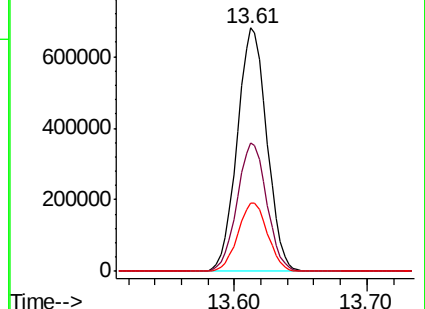
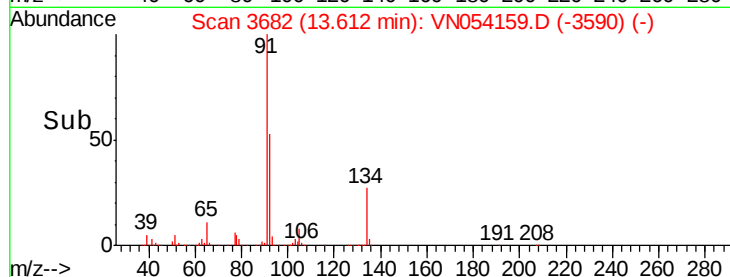
134 28.2 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)



#90

Hexachloroethane

Concen: 19.564 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054159.D

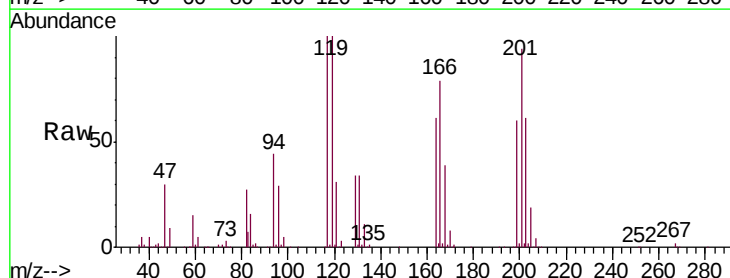
Acq: 12 Mar 2019 10:55

Tgt Ion: 117 Resp: 216487

Ion Ratio Lower Upper

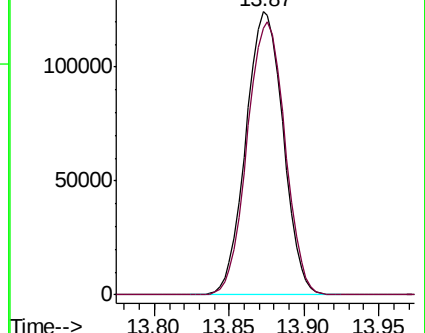
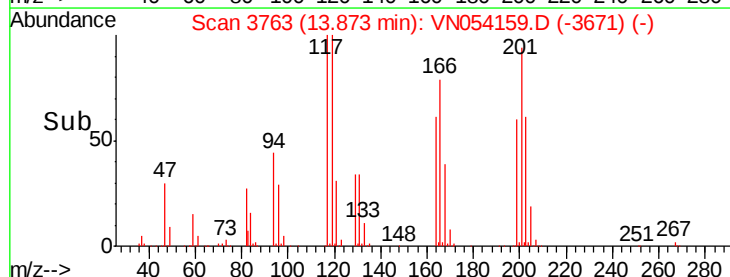
117 100

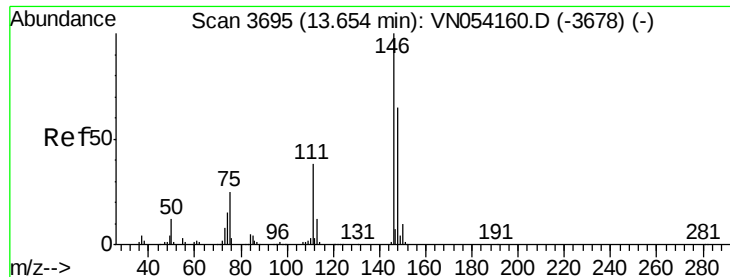
201 97.2 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 20.682 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

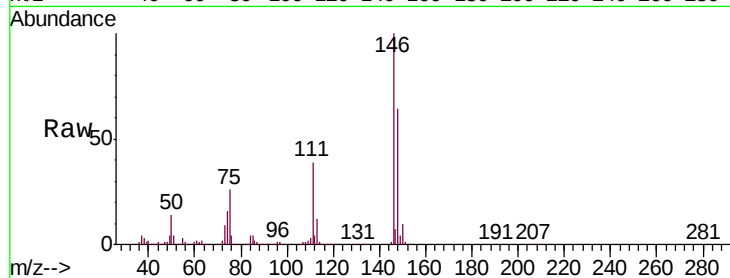
Tgt Ion:146 Resp: 691627

Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.3

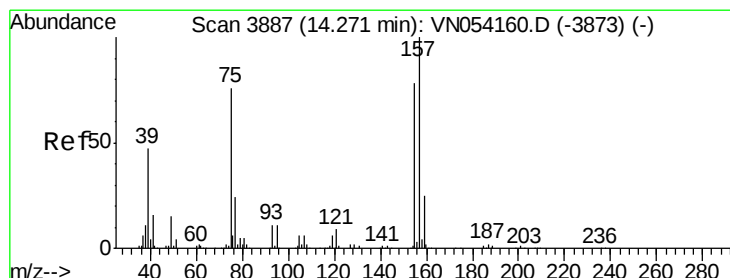
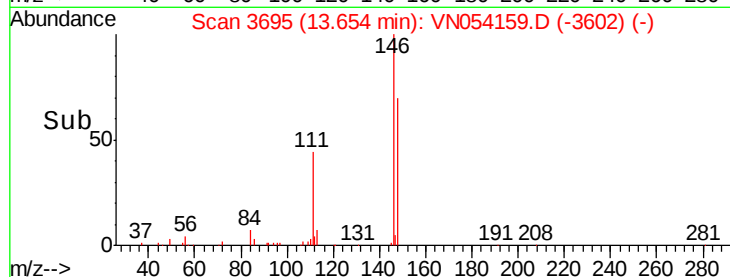
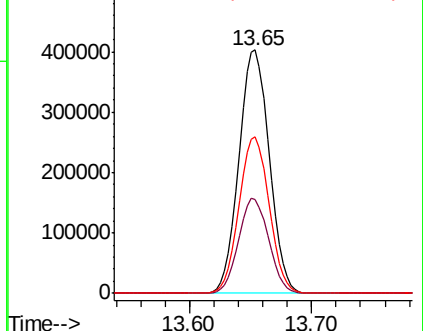
148 63.9 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.485 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

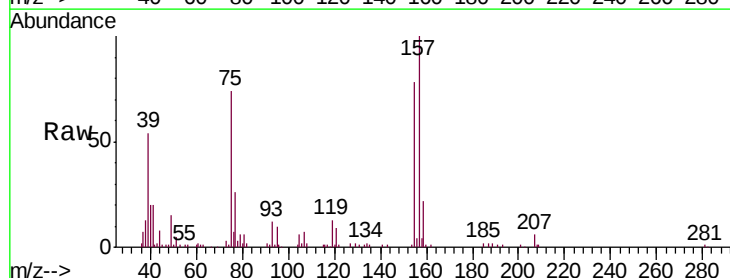
Tgt Ion: 75 Resp: 51812

Ion Ratio Lower Upper

75 100

155 99.6 50.1 150.3

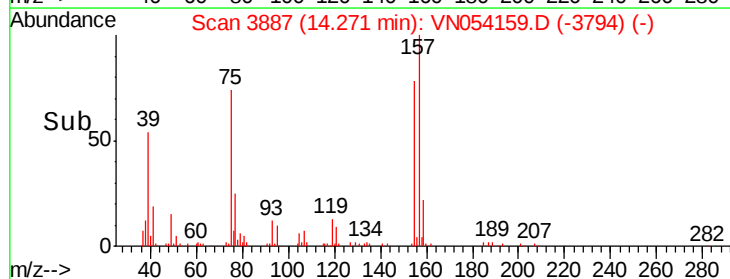
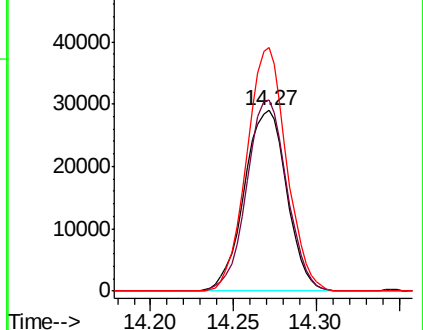
157 125.7 63.1 189.3

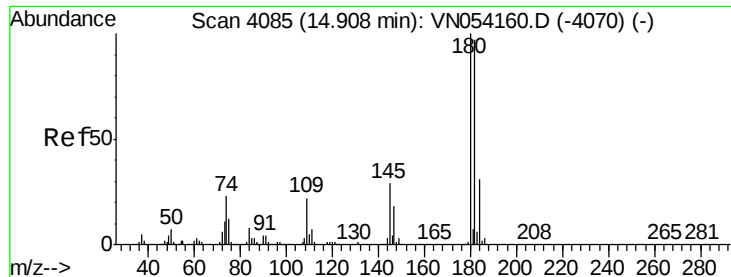


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

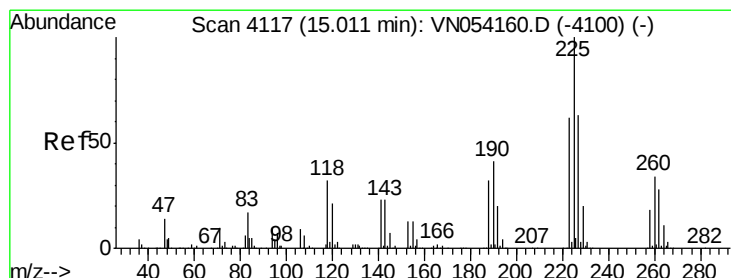
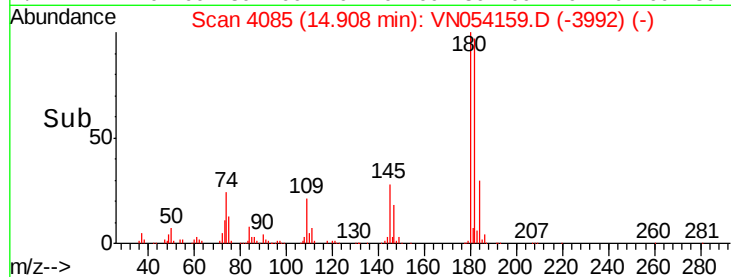
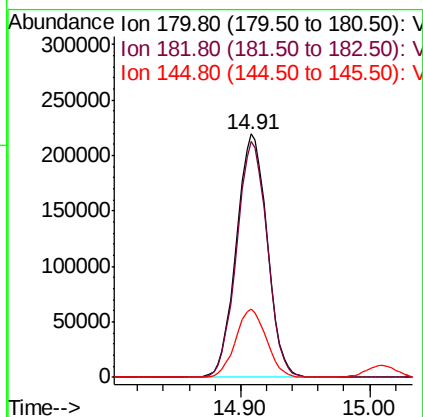
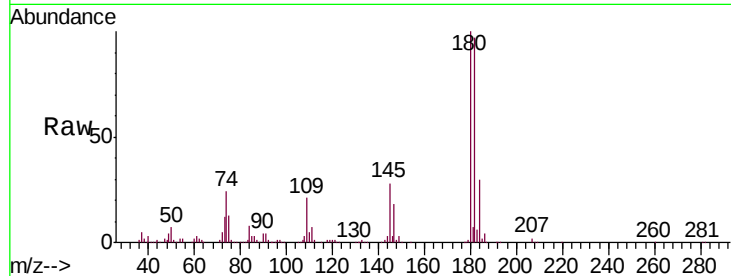




#93
 1,2,4-Trichlorobenzene
 Concen: 19.657 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

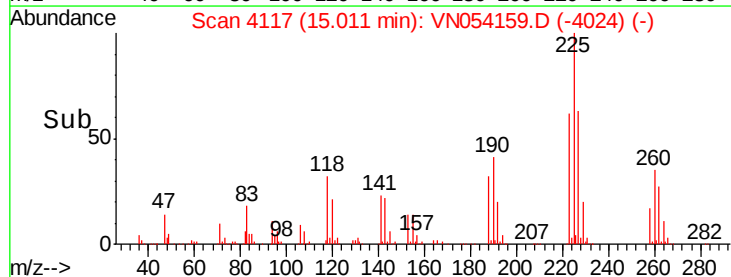
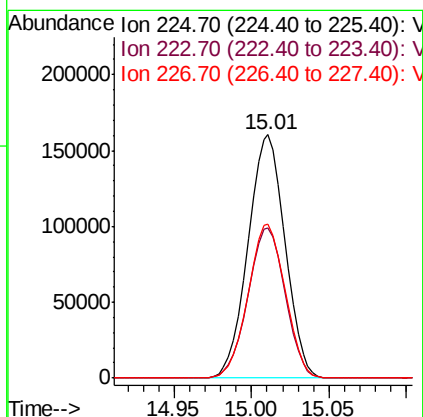
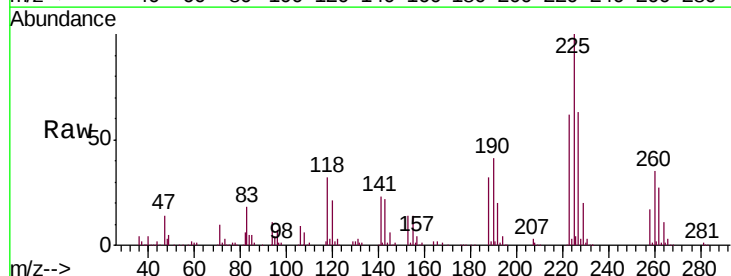
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

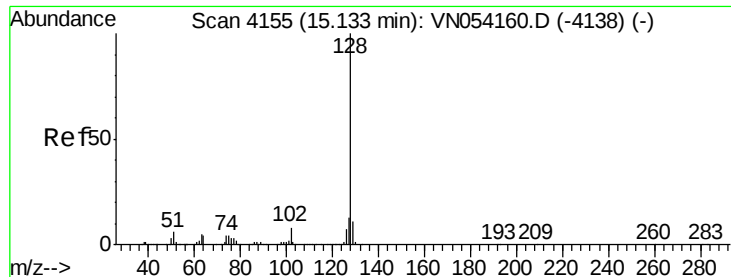
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.0	144.2
145	27.9	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 20.963 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054159.D
 Acq: 12 Mar 2019 10:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.1	93.5
227	63.5	31.9	95.9





#95

Naphthalene

Concen: 19.243 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

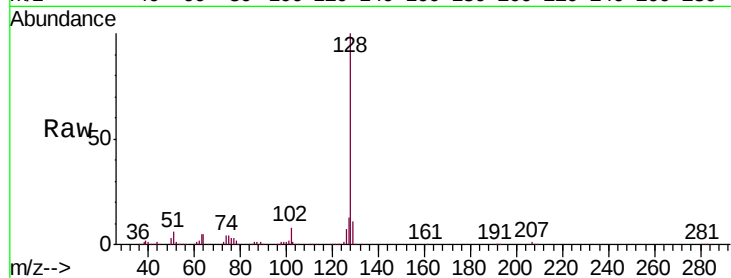
Tgt Ion:128 Resp: 712868

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

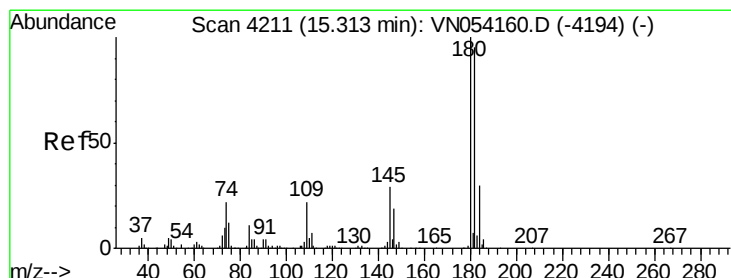
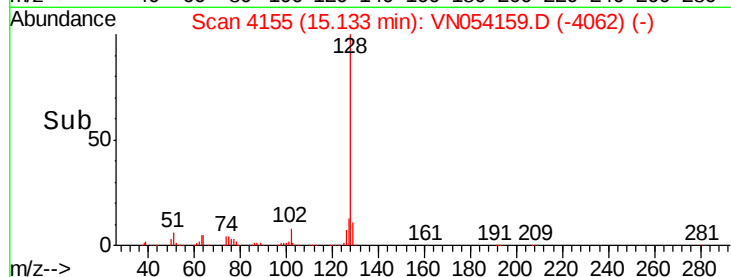
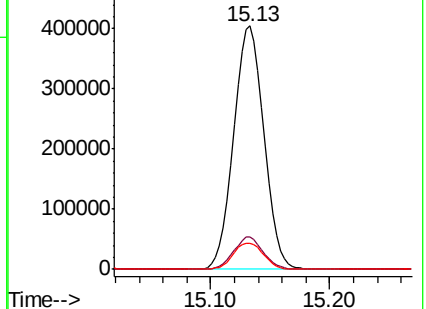
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.054 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054159.D

Acq: 12 Mar 2019 10:55

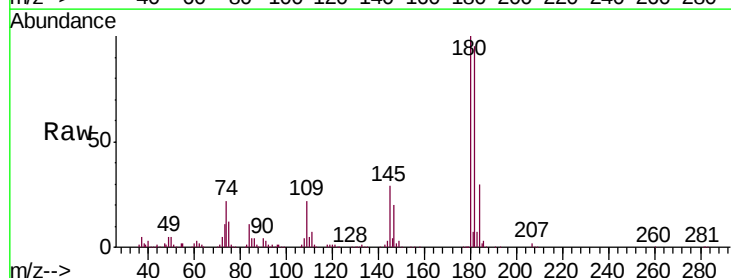
Tgt Ion:180 Resp: 374085

Ion Ratio Lower Upper

180 100

182 95.2 47.5 142.6

145 29.4 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

