

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032019\
 Data File : VN054458.D
 Acq On : 20 Mar 2019 11:14
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 20 12:08:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 12:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	503204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	815312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	698497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	303053	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	132421	24.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.56%	
35) Dibromofluoromethane	7.59	113	107386	20.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.84%	
50) Toluene-d8	10.09	98	402951	20.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.50%	
62) 4-Bromofluorobenzene	12.40	95	136501	20.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	103266	21.653	ug/l	100
3) Chloromethane	2.06	50	140588	30.348	ug/l	96
4) Vinyl Chloride	2.19	62	141283	26.683	ug/l	99
5) Bromomethane	2.57	94	85583	23.337	ug/l	94
6) Chloroethane	2.71	64	80321	25.072	ug/l	99
7) Trichlorofluoromethane	3.02	101	170714	24.250	ug/l	99
8) Diethyl Ether	3.41	74	62788	19.572	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.75	101	98427	18.658	ug/l	96
10) Methyl Iodide	3.94	142	142715	20.563	ug/l	95
11) Tert butyl alcohol	4.83	59	38678	105.574	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	99838	19.098	ug/l	85
13) Acrolein	3.61	56	45256	130.362	ug/l	99
14) Allyl chloride	4.32	41	181850	27.112	ug/l #	94
15) Acrylonitrile	5.00	53	193356	128.485	ug/l	99
16) Acetone	3.82	43	214652	140.284	ug/l #	84
17) Carbon Disulfide	4.04	76	249950	19.073	ug/l	98
18) Methyl Acetate	4.33	43	82127	26.529	ug/l	92
19) Methyl tert-butyl Ether	5.05	73	293901	22.681	ug/l	96
20) Methylene Chloride	4.55	84	114497	22.789	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	103610	20.685	ug/l	85
22) Diisopropyl ether	5.96	45	370868	27.704	ug/l #	93
23) Vinyl Acetate	5.90	43	1308738	132.596	ug/l	95
24) 1,1-Dichloroethane	5.85	63	201916	23.491	ug/l	98
25) 2-Butanone	6.85	43	262114	145.952	ug/l	89
26) 2,2-Dichloropropane	6.82	77	141957	18.780	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	122066	21.844	ug/l	90
28) Bromochloromethane	7.20	49	102093	29.054	ug/l #	78
29) Tetrahydrofuran	7.22	42	161847	140.165	ug/l	88
30) Chloroform	7.37	83	197134	21.979	ug/l	100
31) Cyclohexane	7.65	56	200514	21.672	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	163884	20.232	ug/l	95
36) 1,1-Dichloropropene	7.79	75	151472	20.174	ug/l	97
37) Ethyl Acetate	6.94	43	110970	25.722	ug/l	97
38) Carbon Tetrachloride	7.77	117	145226	18.444	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	172815	18.707	ug/l	91
40) Benzene	8.04	78	440508	20.502	ug/l	99
41) Methacrylonitrile	7.18	41	64971	26.376	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	160393	22.111	ug/l	98
43) Isopropyl Acetate	8.17	43	177953	23.500	ug/l #	95
44) Trichloroethene	8.83	130	124396	18.637	ug/l	96
45) 1,2-Dichloropropane	9.12	63	121313	22.739	ug/l	98
46) Dibromomethane	9.21	93	70492	19.555	ug/l	91
47) Bromodichloromethane	9.40	83	145191	20.091	ug/l	97
48) Methyl methacrylate	9.20	41	96849	25.202	ug/l #	85
49) 1,4-Dioxane	9.21	88	22780	419.071	ug/l #	90
51) 4-Methyl-2-Pentanone	9.99	43	514659	128.425	ug/l	94
52) Toluene	10.16	92	271468	19.927	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	130335	17.720	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	169281	20.102	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	96645	19.428	ug/l	99
56) Ethyl methacrylate	10.43	69	127160	21.438	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	170582	20.972	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	250868	111.653	ug/l	92
59) 2-Hexanone	10.75	43	332955	124.863	ug/l	93
60) Dibromochloromethane	10.90	129	101235	18.081	ug/l	99
61) 1,2-Dibromoethane	11.01	107	97076	19.203	ug/l	99
64) Tetrachloroethene	10.63	164	119001	17.621	ug/l	94
65) Chlorobenzene	11.43	112	284439	18.546	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	104174	18.697	ug/l	99
67) Ethyl Benzene	11.51	91	503258	19.795	ug/l	99
68) m/p-Xylenes	11.62	106	385267	38.772	ug/l	99
69) o-Xylene	11.95	106	187673	19.374	ug/l	97
70) Styrene	11.96	104	303975	20.009	ug/l	97
71) Bromoform	12.13	173	60637	16.442	ug/l #	98
73) Isopropylbenzene	12.25	105	492562	20.315	ug/l	99
74) N-amyl acetate	12.07	43	148244	27.545	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	112226	21.725	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	136592	30.650	ug/l #	100
77) Bromobenzene	12.53	156	118396	18.454	ug/l	87
78) n-propylbenzene	12.59	91	532098	20.225	ug/l	98
79) 2-Chlorotoluene	12.67	91	329358	20.821	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	402335	19.949	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22483	17.246	ug/l #	80
82) 4-Chlorotoluene	12.77	91	319910	20.253	ug/l	97
83) tert-Butylbenzene	12.99	119	348724	18.786	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	395486	19.989	ug/l	98
85) sec-Butylbenzene	13.17	105	433730	18.017	ug/l	98
86) p-Isopropyltoluene	13.29	119	388861	18.412	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	199747	18.476	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	192673	18.142	ug/l	98
89) n-Butylbenzene	13.61	91	298634	18.610	ug/l	99
90) Hexachloroethane	13.87	117	58350	16.685	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	199426	18.869	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	16484	20.621	ug/l	87

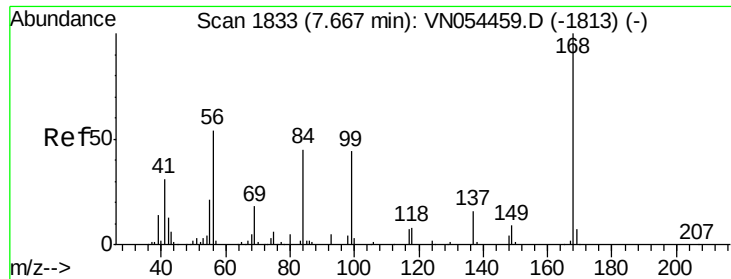
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032019\
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Acq On : 20 Mar 2019 11:14
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QLast Update : Wed Mar 20 12:05:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	95981	17.572	ug/l	99
94) Hexachlorobutadiene	15.01	225	61500	15.277	ug/l	98
95) Naphthalene	15.13	128	206743	18.401	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	95810	17.062	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

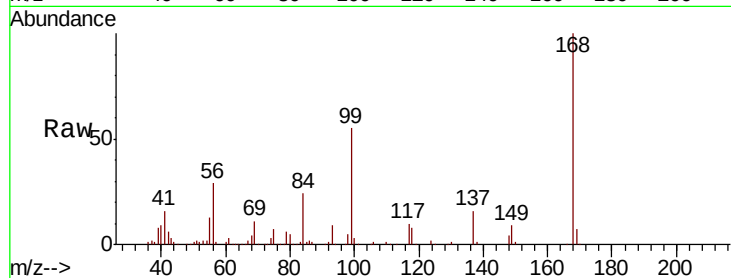
VSTDIC020

Tgt Ion:168 Resp: 503204

Ion Ratio Lower Upper

168 100

99 53.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.66

200000

150000

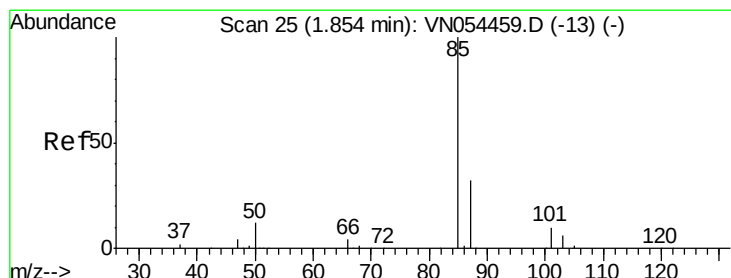
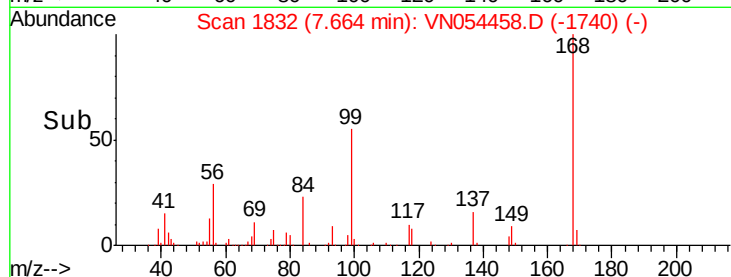
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.653 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054458.D

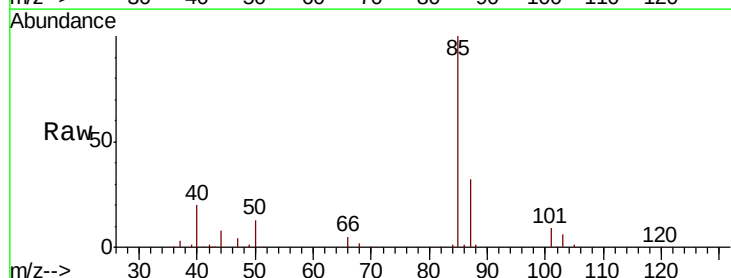
Acq: 20 Mar 2019 11:14

Tgt Ion: 85 Resp: 103266

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.85

80000

60000

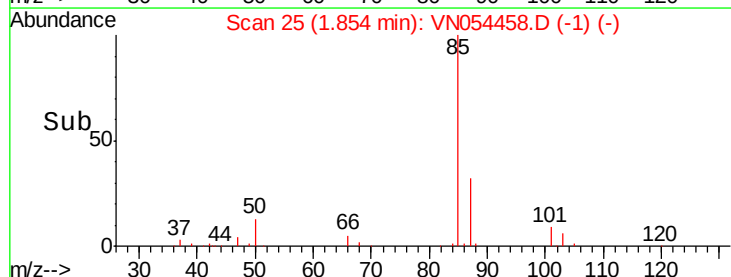
40000

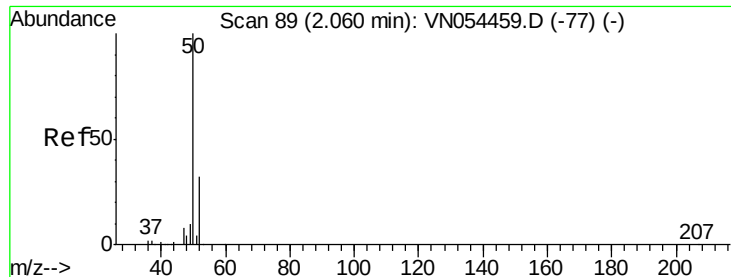
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 30.348 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

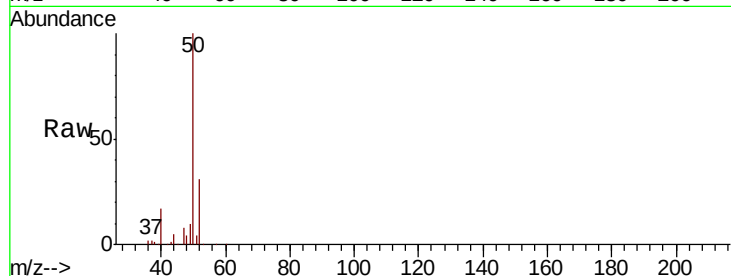
VSTDIC020

Tgt Ion: 50 Resp: 140588

Ion Ratio Lower Upper

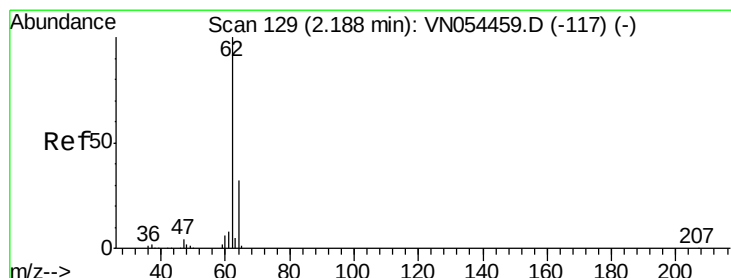
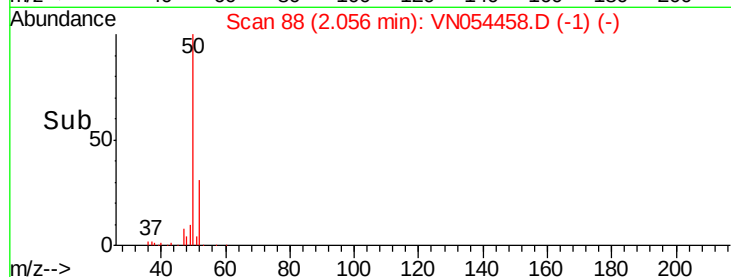
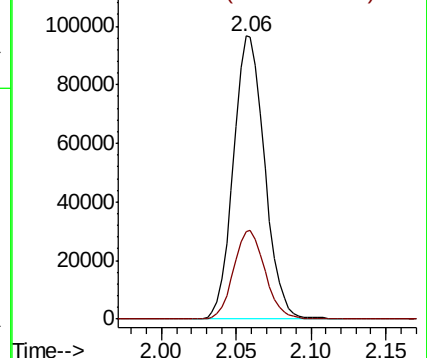
50 100

52 30.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 26.683 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054458.D

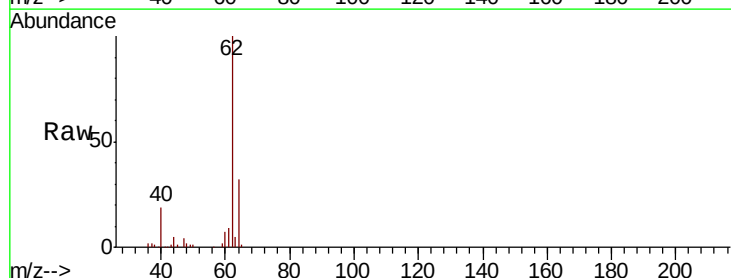
Acq: 20 Mar 2019 11:14

Tgt Ion: 62 Resp: 141283

Ion Ratio Lower Upper

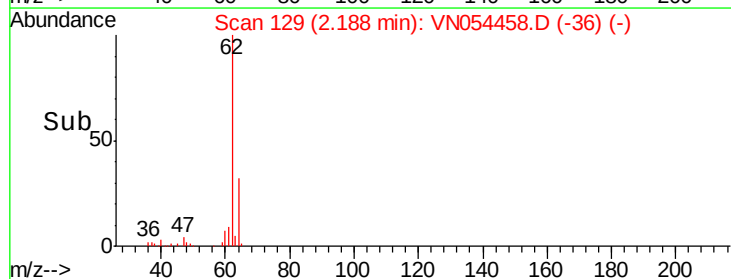
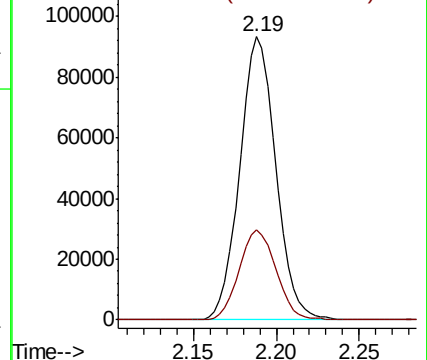
62 100

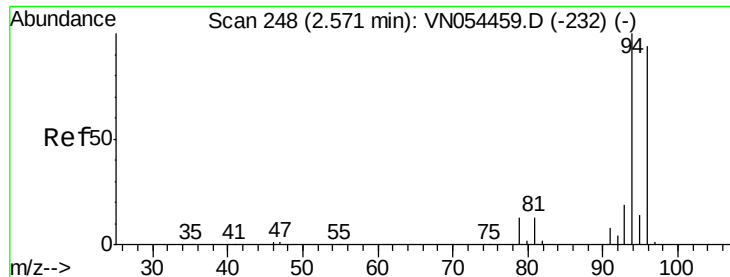
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 23.337 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

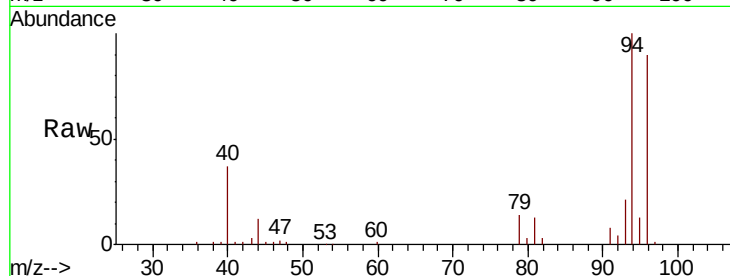
VSTDIC020

Tgt Ion: 94 Resp: 85583

Ion Ratio Lower Upper

94 100

96 90.3 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN054459.D

Ion 95.90 (95.60 to 96.60): VN054459.D

2.57

50000

40000

30000

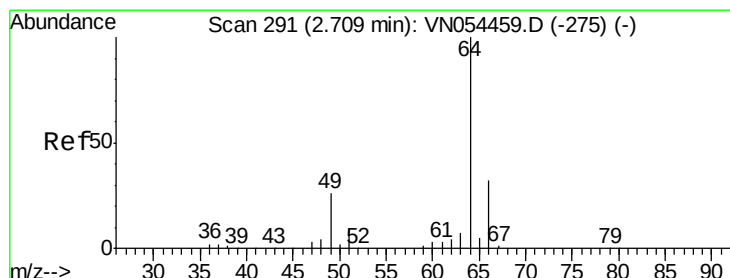
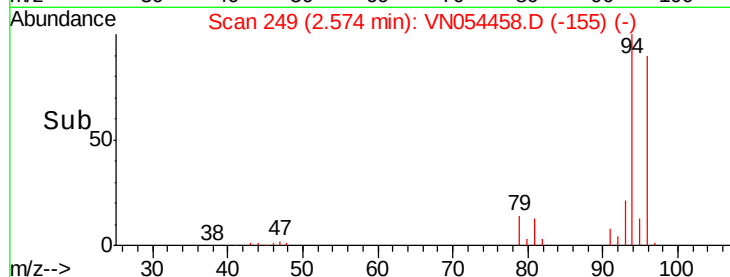
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 25.072 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054458.D

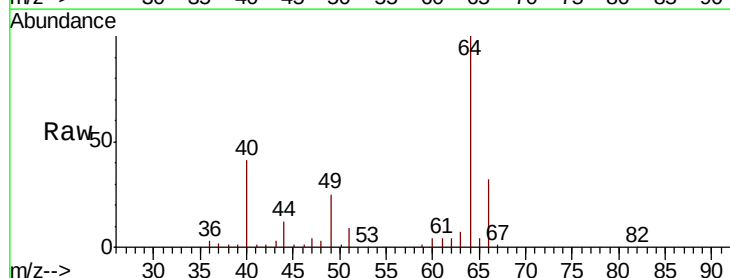
Acq: 20 Mar 2019 11:14

Tgt Ion: 64 Resp: 80321

Ion Ratio Lower Upper

64 100

66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN054459.D

Ion 65.90 (65.60 to 66.60): VN054459.D

2.71

50000

40000

30000

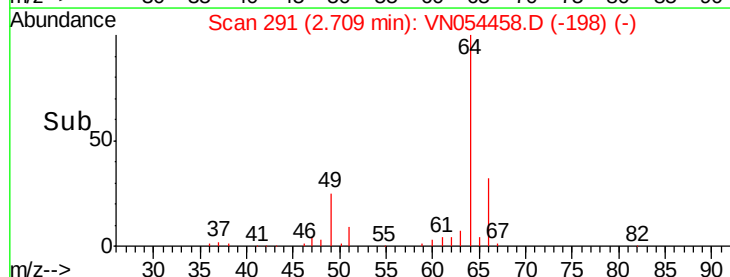
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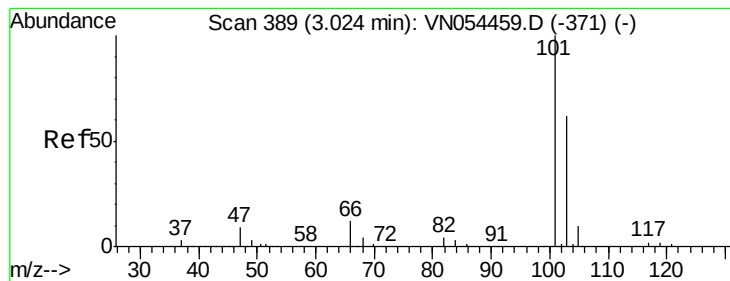
10000

0

Time-->

2.65 2.70 2.75 2.80



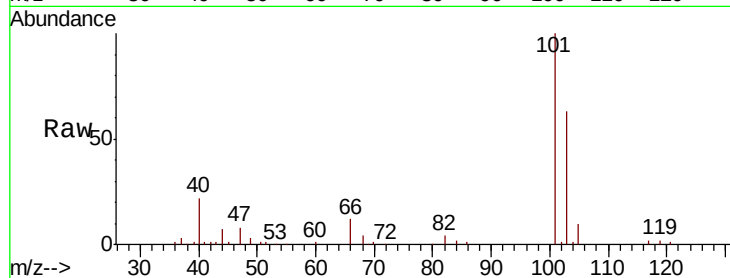


#7

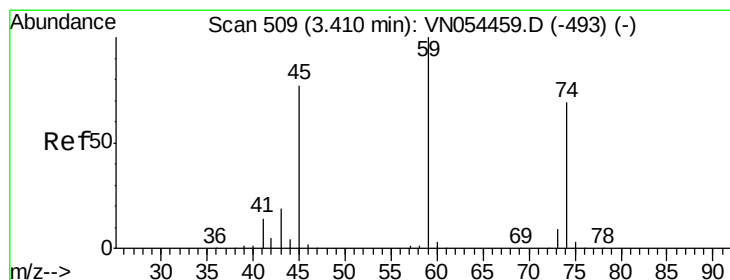
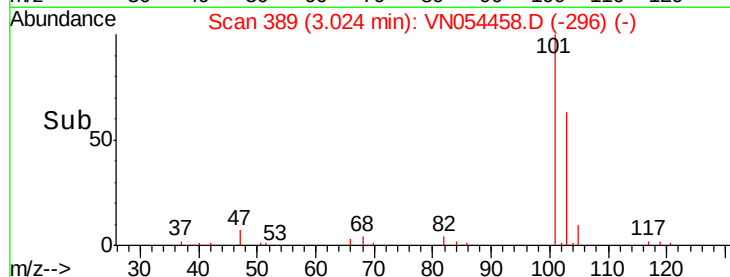
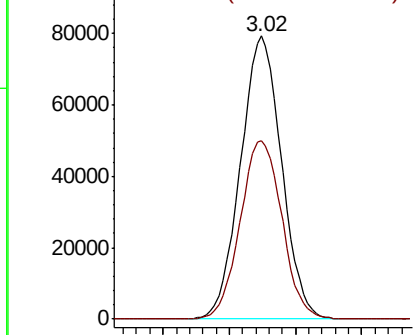
Trichlorofluoromethane
 Concen: 24.250 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:101 Resp: 170714
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.4 77.2



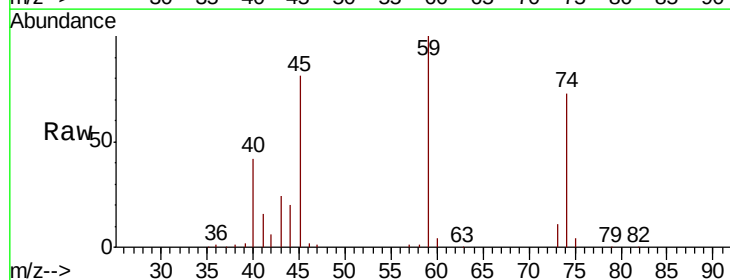
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



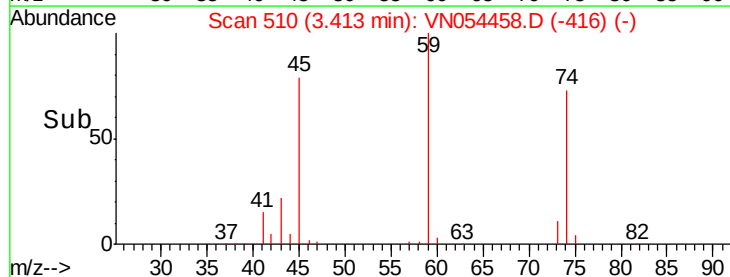
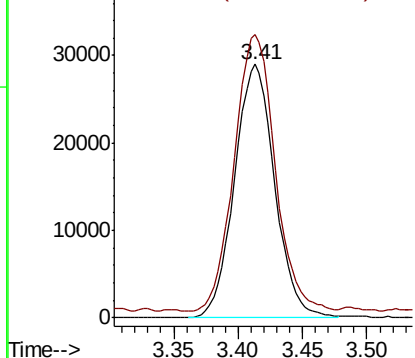
#8

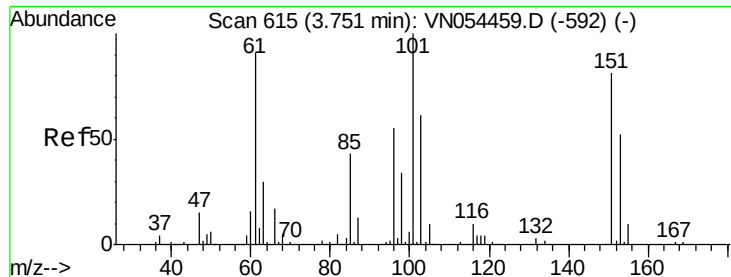
Diethyl Ether
 Concen: 19.572 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 74 Resp: 62788
 Ion Ratio Lower Upper
 74 100
 45 111.2 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.658 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

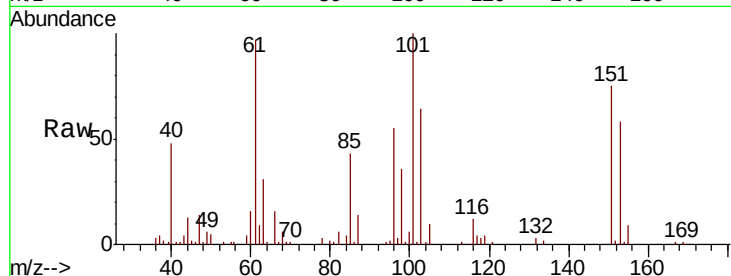
Tgt Ion:101 Resp: 98427

Ion Ratio Lower Upper

101 100

85 42.5 32.4 48.6

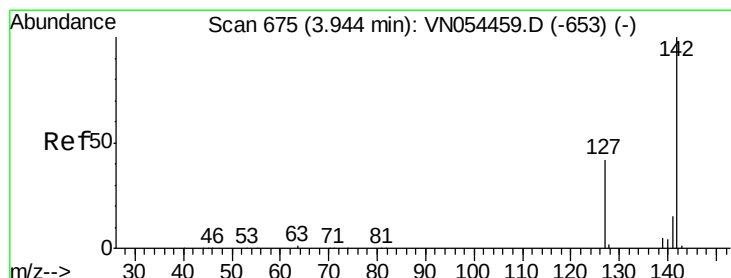
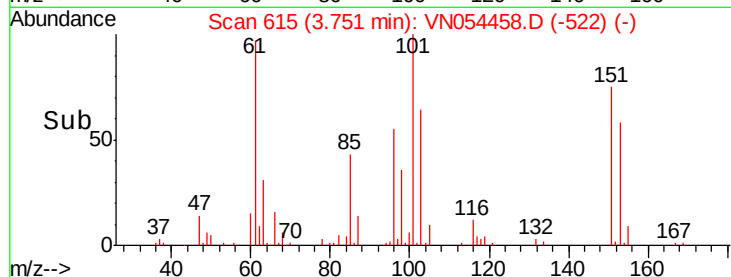
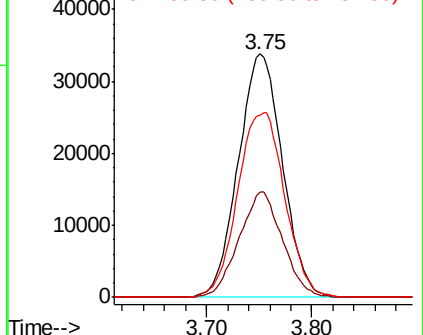
151 81.0 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.563 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

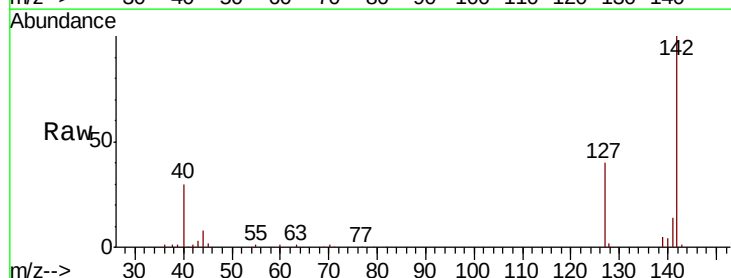
Tgt Ion:142 Resp: 142715

Ion Ratio Lower Upper

142 100

127 41.5 30.3 45.5

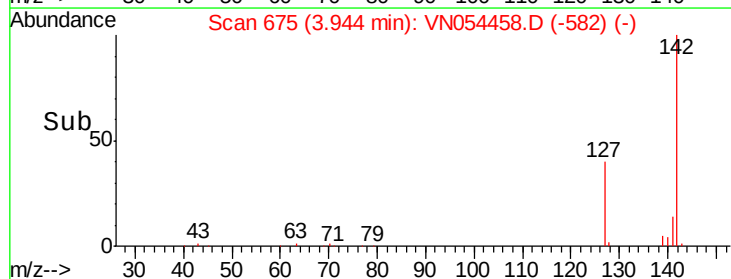
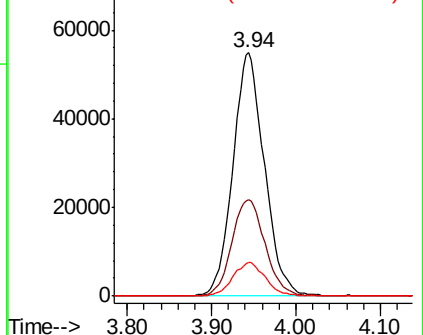
141 14.1 11.2 16.8

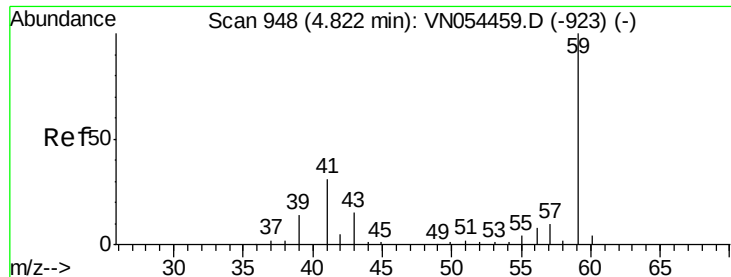


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

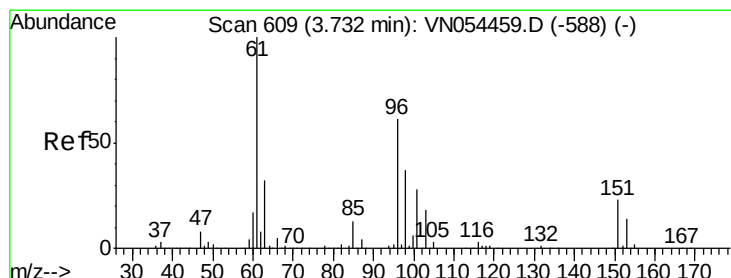
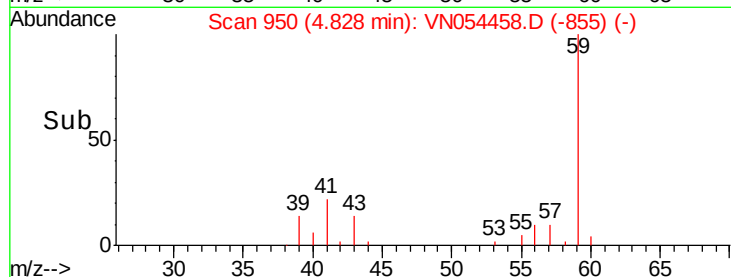
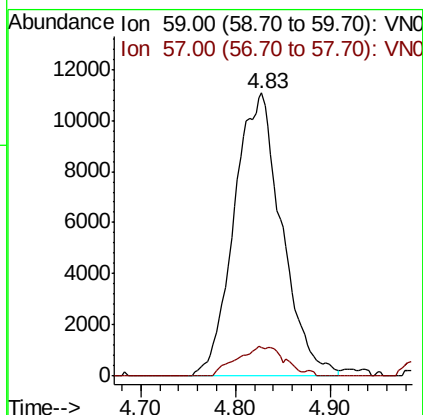
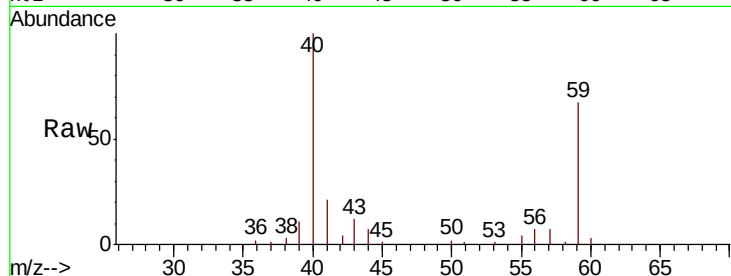




#11
Tert butyl alcohol
Concen: 105.574 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.01 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

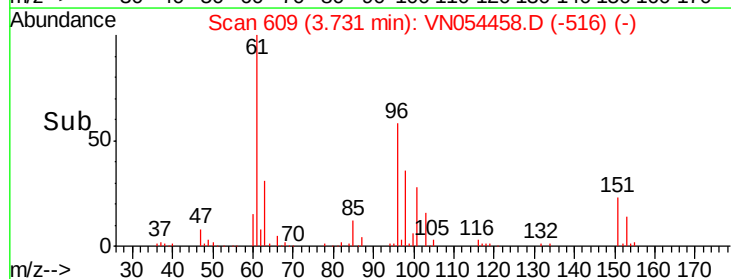
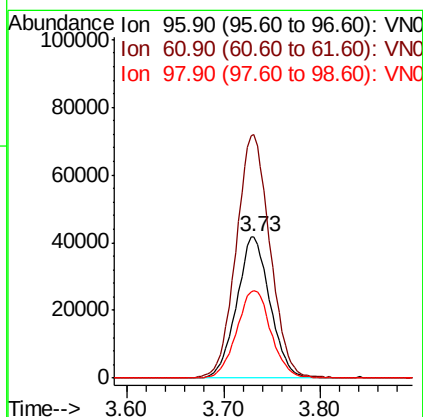
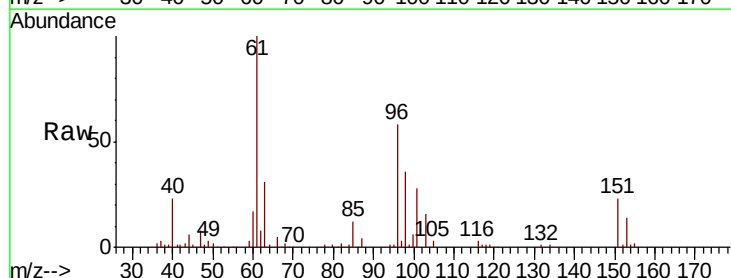
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

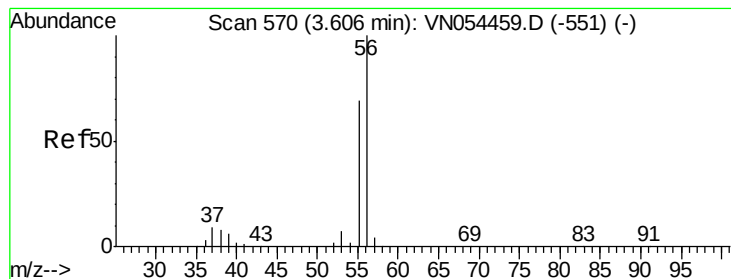
Tgt Ion: 59 Resp: 38678
Ion Ratio Lower Upper
59 100
57 6.2 9.0 13.6#



#12
1,1-Dichloroethene
Concen: 19.098 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 96 Resp: 99838
Ion Ratio Lower Upper
96 100
61 171.7 116.5 174.7
98 61.3 51.0 76.4





#13

Acrolein

Concen: 130.362 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

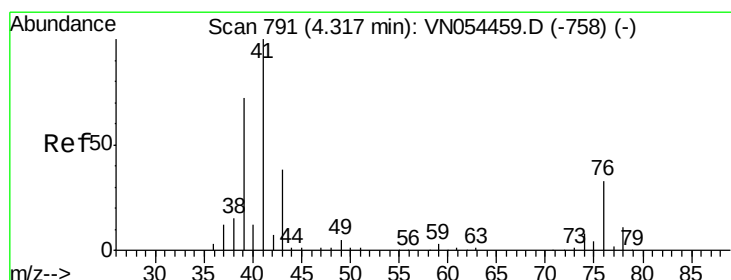
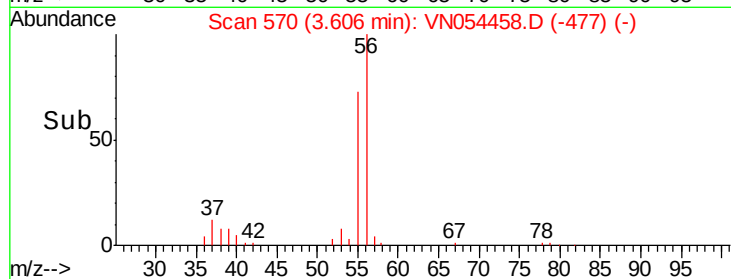
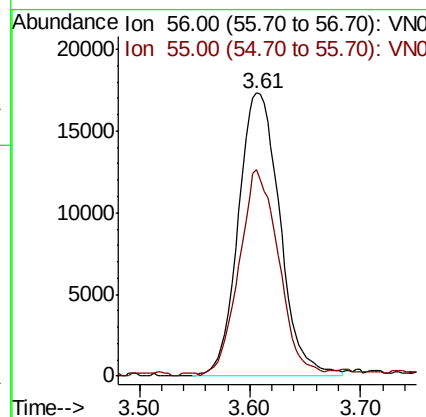
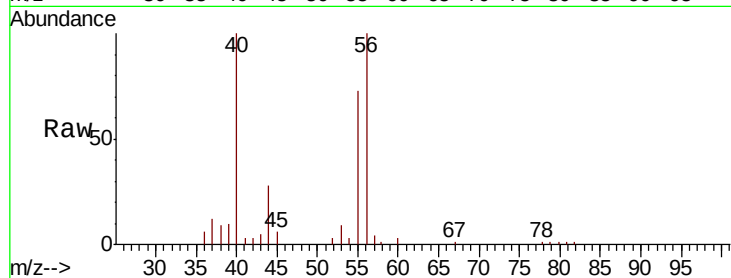
VSTDIC020

Tgt Ion: 56 Resp: 45256

Ion Ratio Lower Upper

56 100

55 69.9 56.7 85.1



#14

Allyl chloride

Concen: 27.112 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

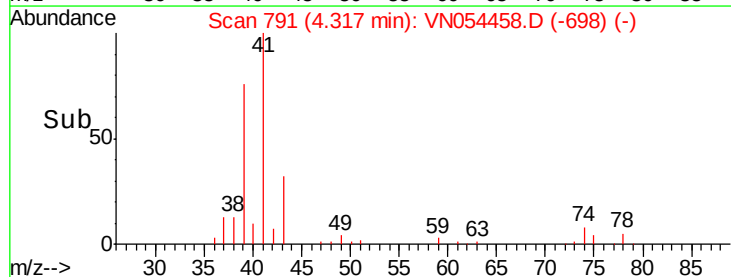
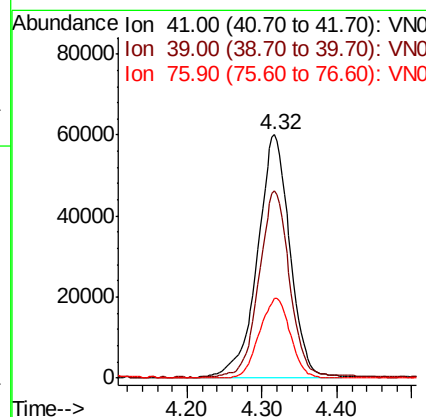
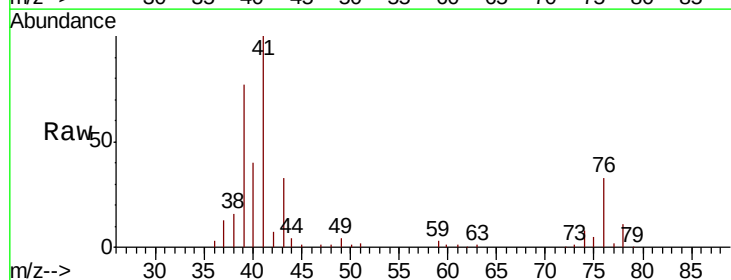
Tgt Ion: 41 Resp: 181850

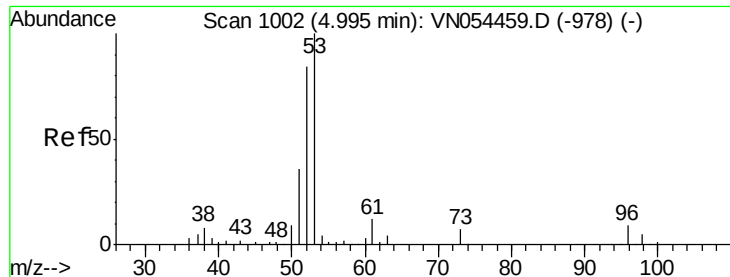
Ion Ratio Lower Upper

41 100

39 71.7 58.2 87.4

76 31.1 31.7 47.5#

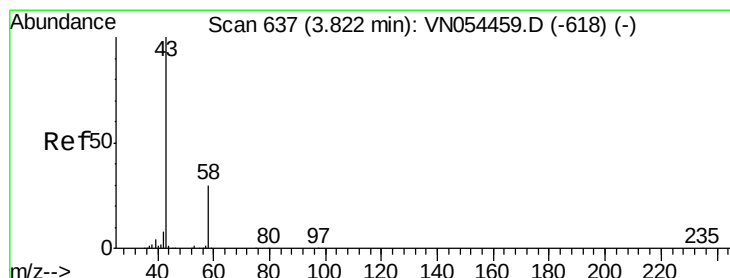
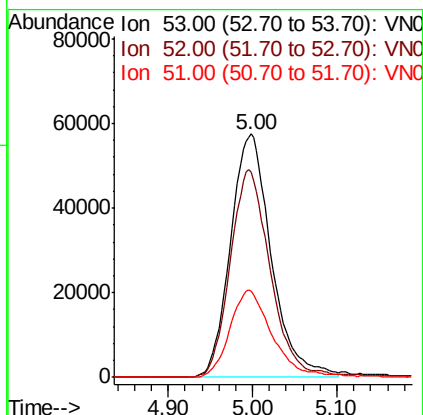
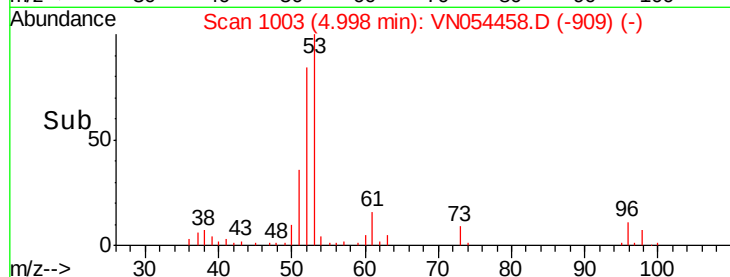
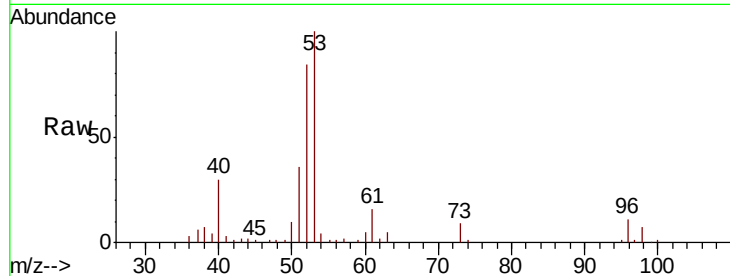




#15
 Acrylonitrile
 Concen: 128.485 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

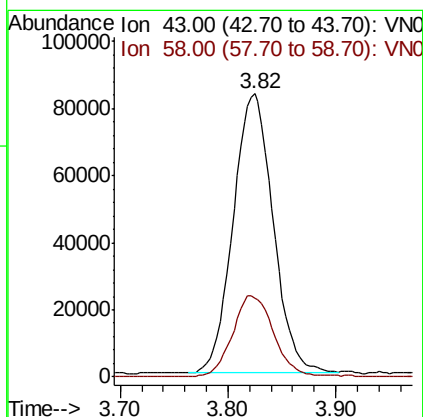
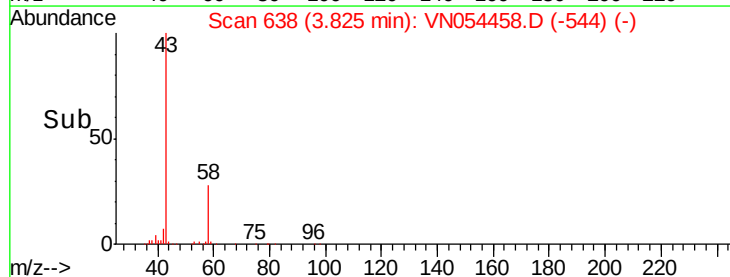
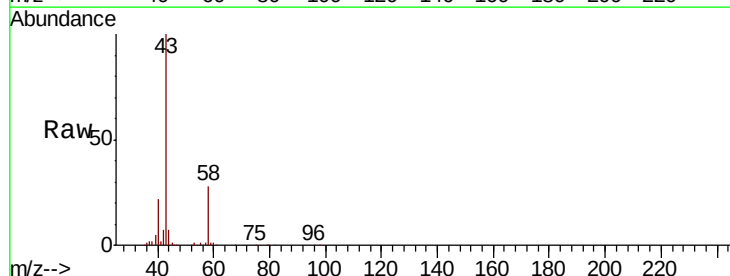
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

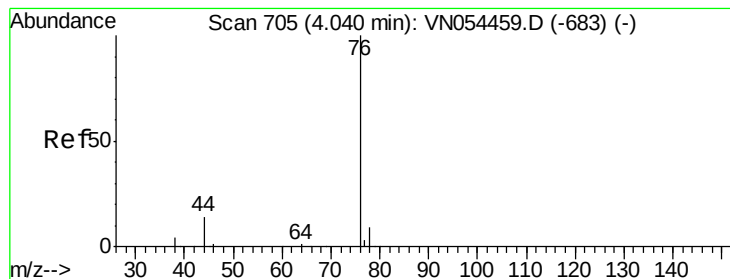
Tgt Ion: 53 Resp: 193356
 Ion Ratio Lower Upper
 53 100
 52 83.7 66.4 99.6
 51 36.8 29.6 44.4



#16
 Acetone
 Concen: 140.284 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 43 Resp: 214652
 Ion Ratio Lower Upper
 43 100
 58 28.1 29.9 44.9#





#17

Carbon Disulfide

Concen: 19.073 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

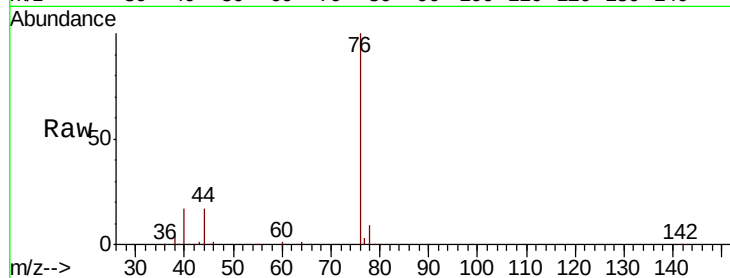
VSTDIC020

Tgt Ion: 76 Resp: 249950

Ion Ratio Lower Upper

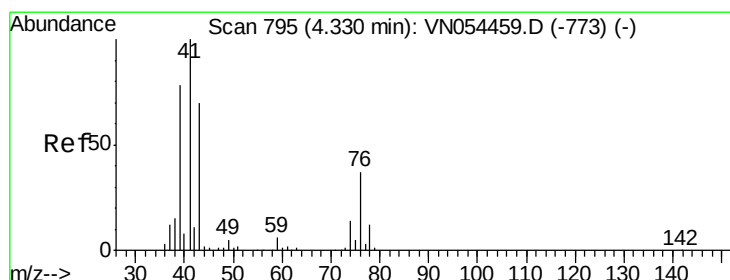
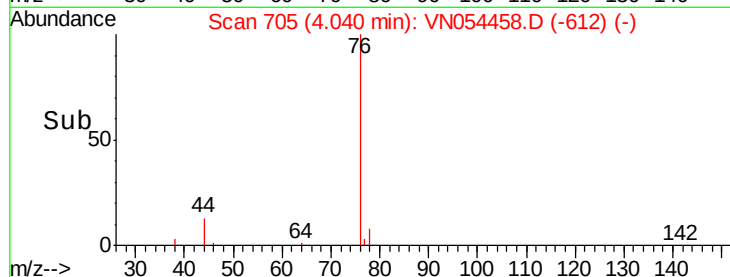
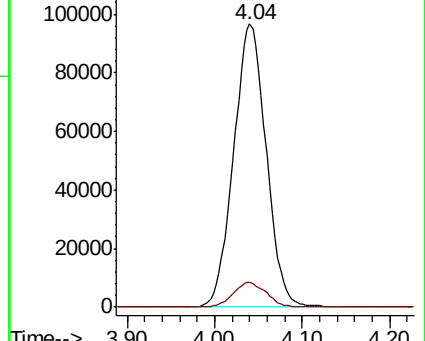
76 100

78 8.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 26.529 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054458.D

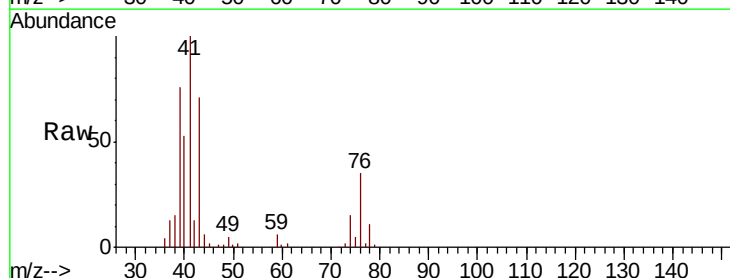
Acq: 20 Mar 2019 11:14

Tgt Ion: 43 Resp: 82127

Ion Ratio Lower Upper

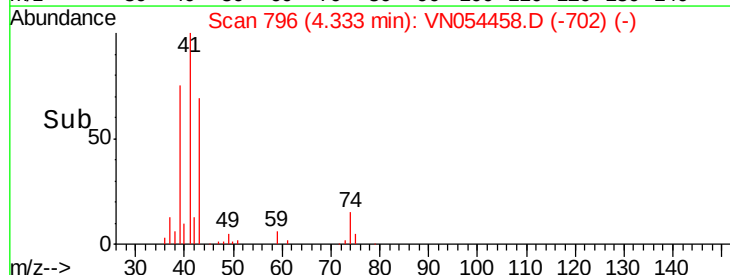
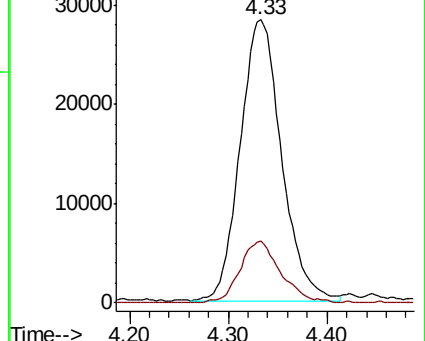
43 100

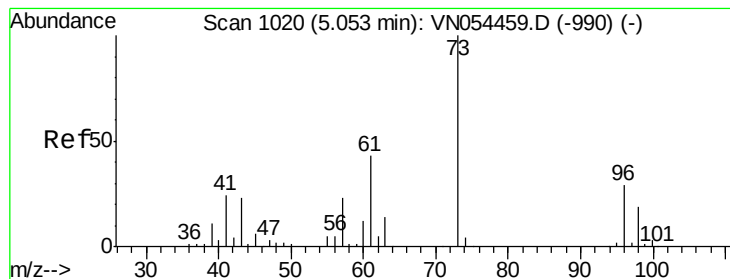
74 21.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



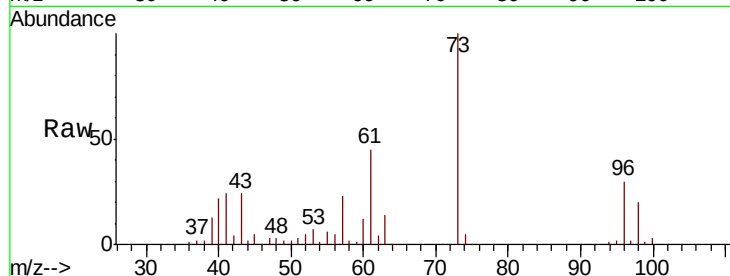


#19

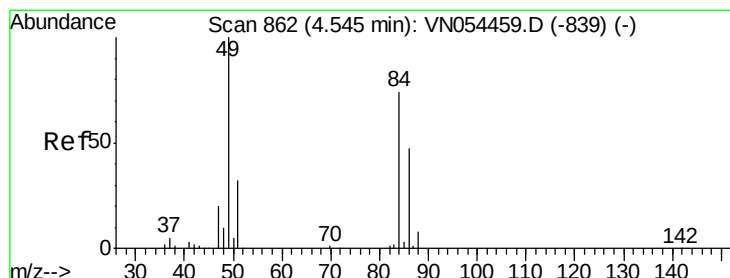
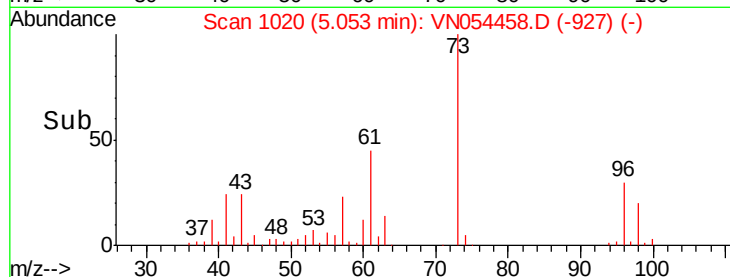
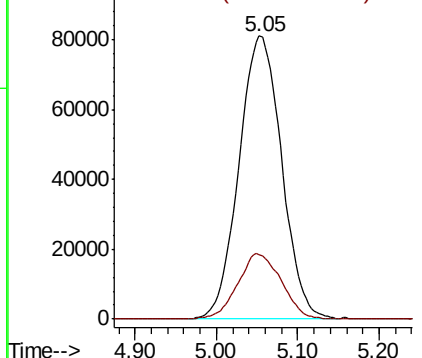
Methyl tert-butyl Ether
 Concen: 22.681 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 73 Resp: 293901
 Ion Ratio Lower Upper
 73 100
 57 23.0 16.8 25.2



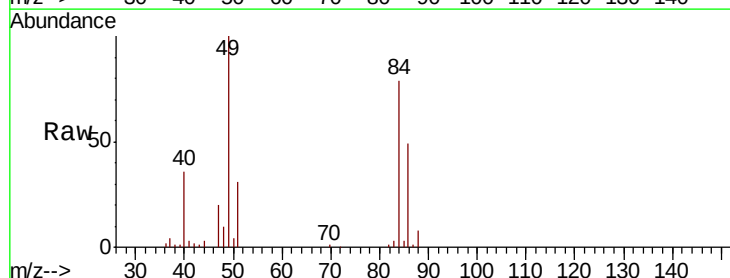
Abundance Ion 73.00 (72.70 to 73.70): VN054459.D (-990) (-)
 Ion 57.00 (56.70 to 57.70): VN054459.D (-990) (-)



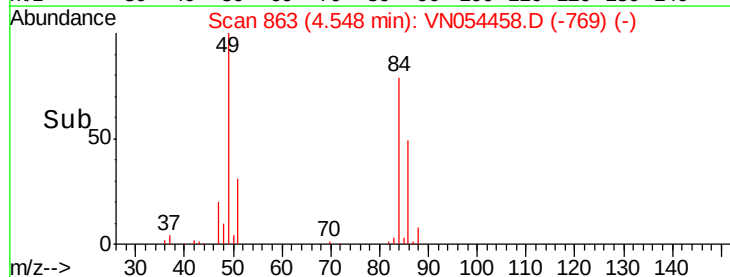
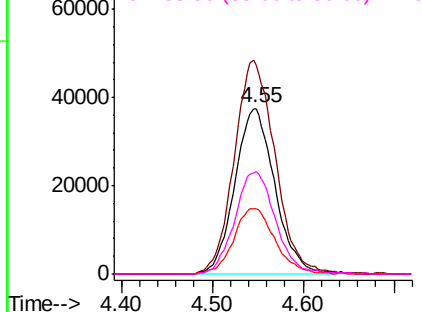
#20

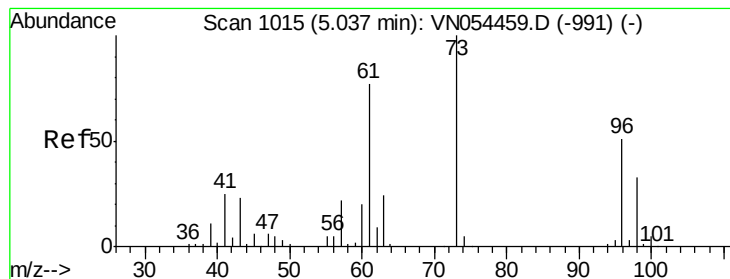
Methylene Chloride
 Concen: 22.789 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 84 Resp: 114497
 Ion Ratio Lower Upper
 84 100
 49 126.3 89.7 134.5
 51 39.3 28.2 42.4
 86 61.9 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN054459.D (-839) (-)
 Ion 48.90 (48.60 to 49.60): VN054459.D (-839) (-)
 Ion 50.90 (50.60 to 51.60): VN054459.D (-839) (-)
 Ion 85.90 (85.60 to 86.60): VN054459.D (-839) (-)





#21

trans-1,2-Dichloroethene

Concen: 20.685 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

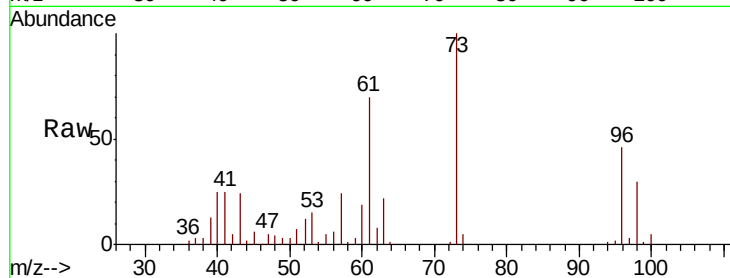
Tgt Ion: 96 Resp: 103610

Ion Ratio Lower Upper

96 100

61 152.0 102.8 154.2

98 65.5 50.0 75.0

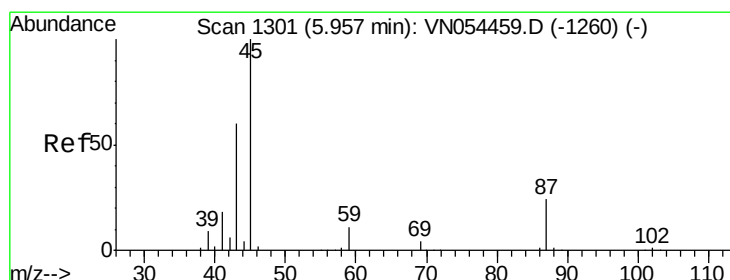
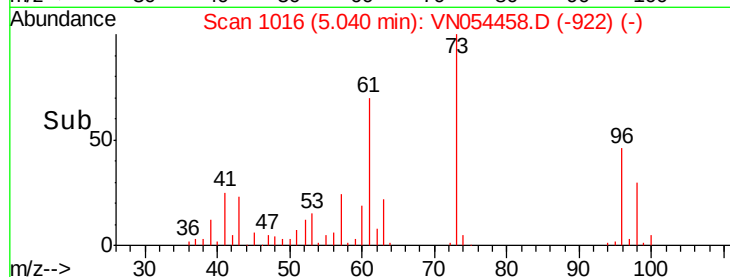
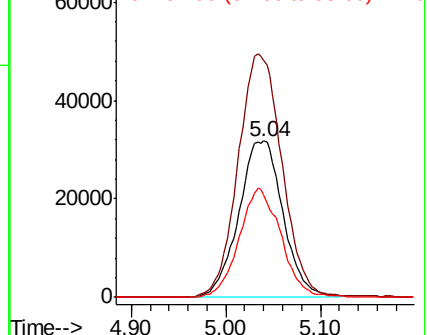


Abundance

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: 27.704 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Tgt Ion: 45 Resp: 370868

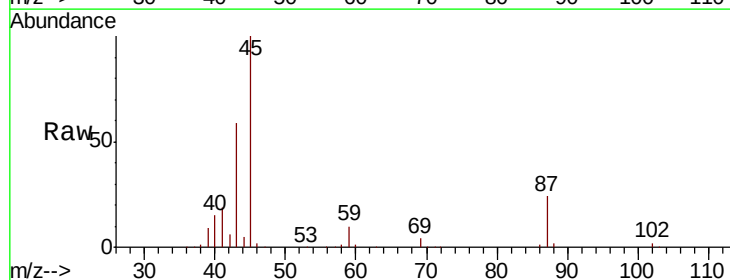
Ion Ratio Lower Upper

45 100

43 57.5 48.2 72.2

87 23.0 24.9 37.3#

59 9.8 9.5 14.3



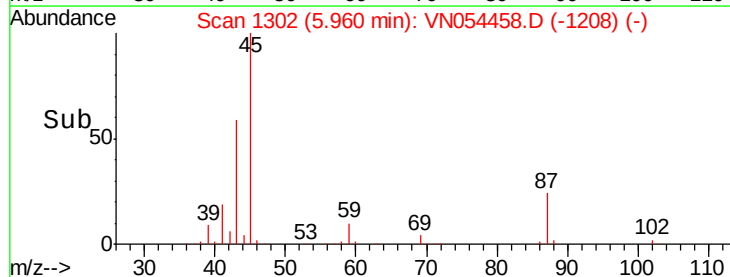
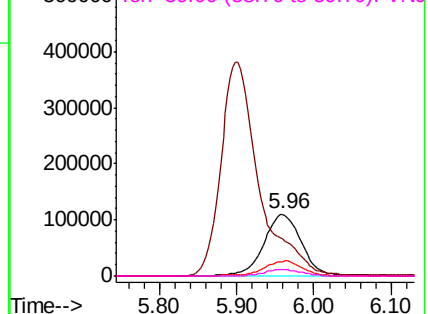
Abundance

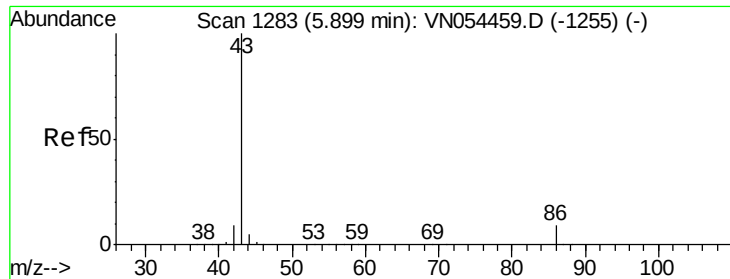
Ion 45.00 (44.70 to 45.70): VN0

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

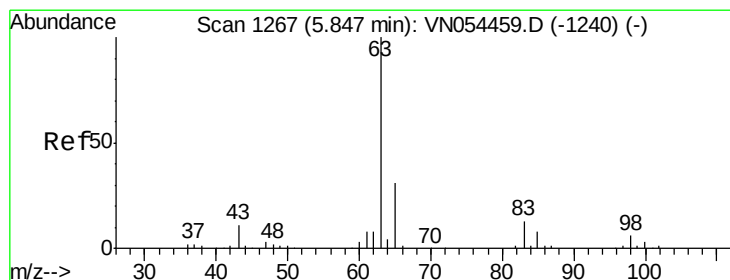
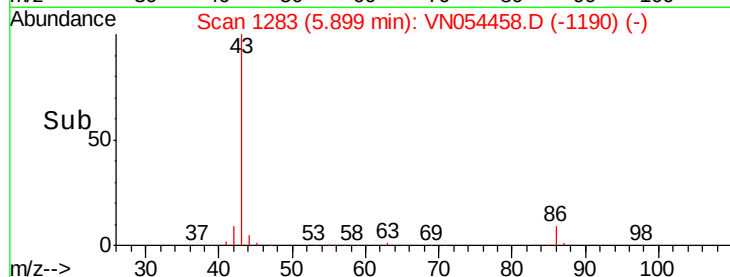
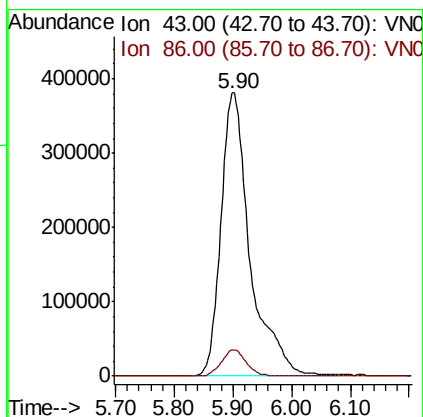
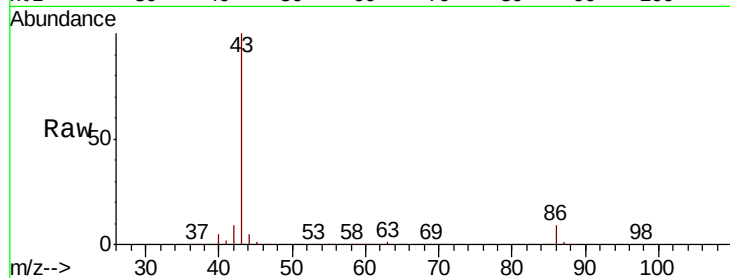




#23
 Vinyl Acetate
 Concen: 132.596 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

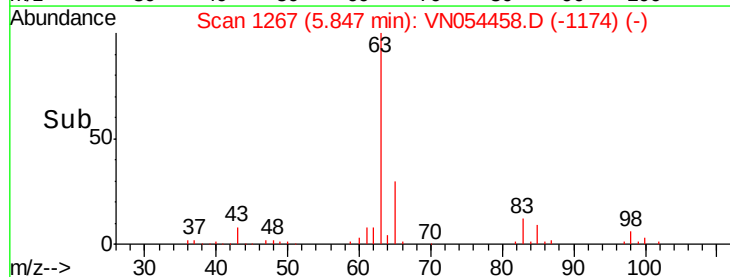
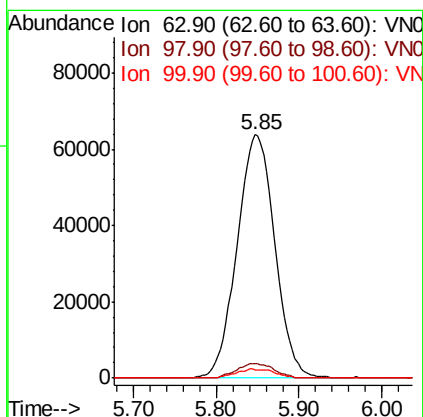
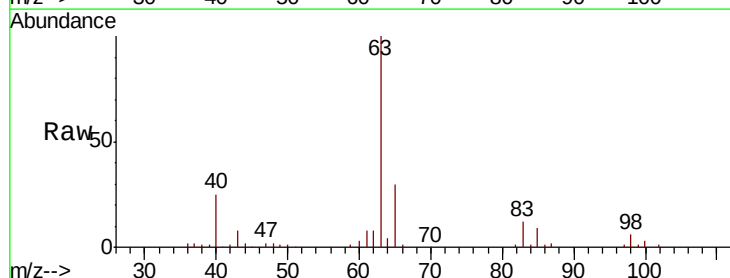
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

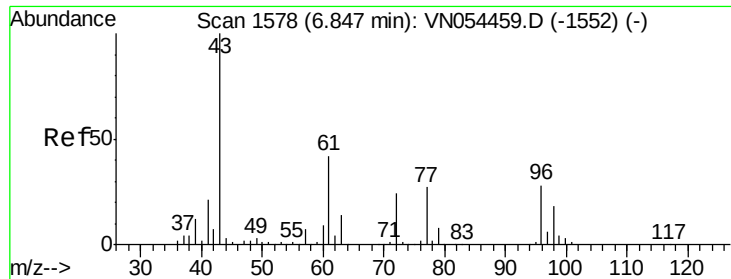
Tgt Ion: 43 Resp: 1308738
 Ion Ratio Lower Upper
 43 100
 86 9.3 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 23.491 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 63 Resp: 201916
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.5
 100 3.4 2.0 6.0





#25

2-Butanone

Concen: 145.952 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

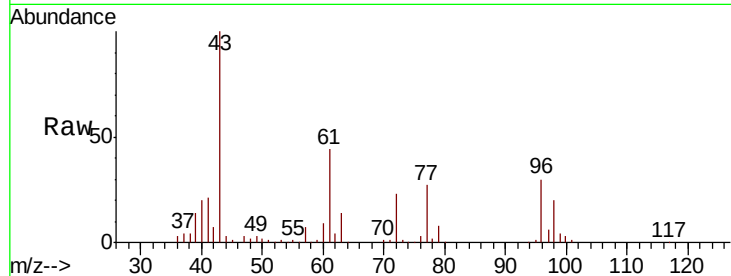
VSTDIC020

Tgt Ion: 43 Resp: 262114

Ion Ratio Lower Upper

43 100

72 23.1 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

100000

80000

60000

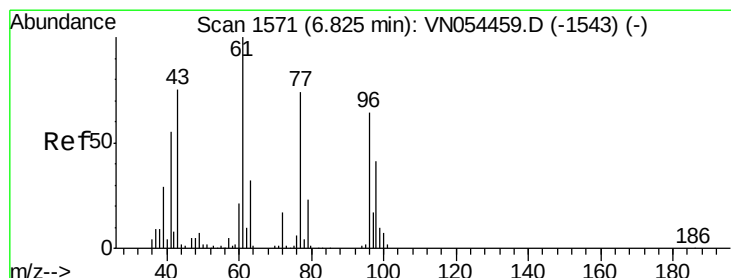
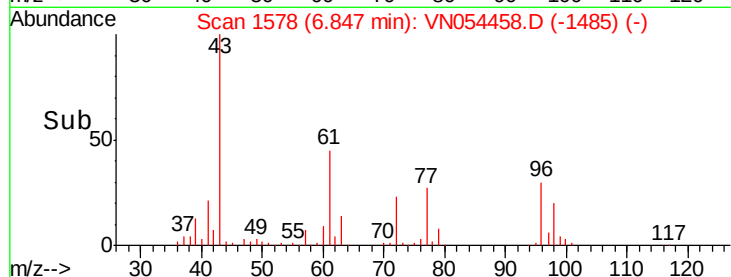
40000

20000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 18.780 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054458.D

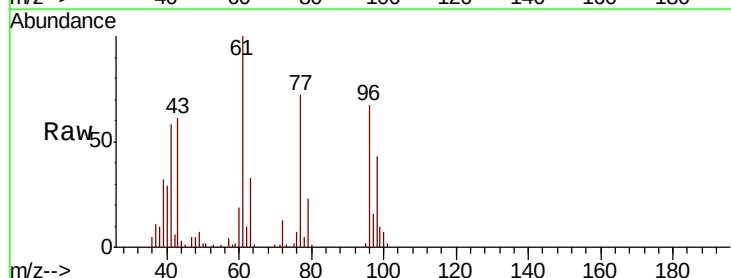
Acq: 20 Mar 2019 11:14

Tgt Ion: 77 Resp: 141957

Ion Ratio Lower Upper

77 100

97 22.8 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

50000

40000

30000

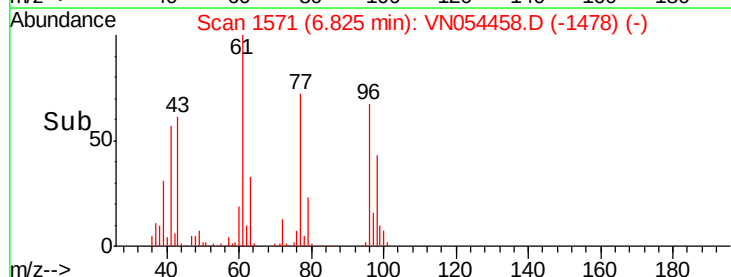
20000

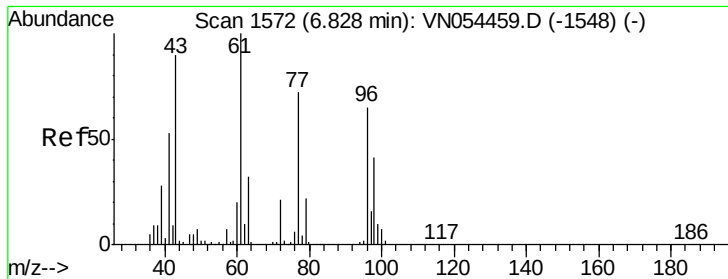
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.844 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

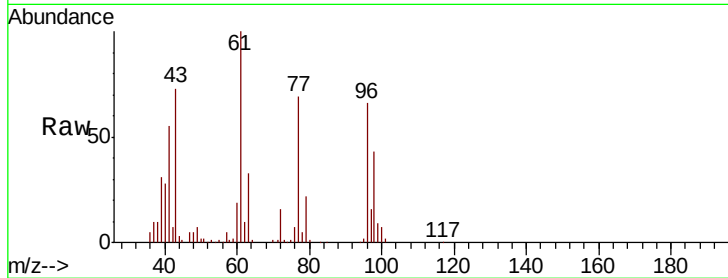
Tgt Ion: 96 Resp: 122066

Ion Ratio Lower Upper

96 100

61 153.2 0.0 273.0

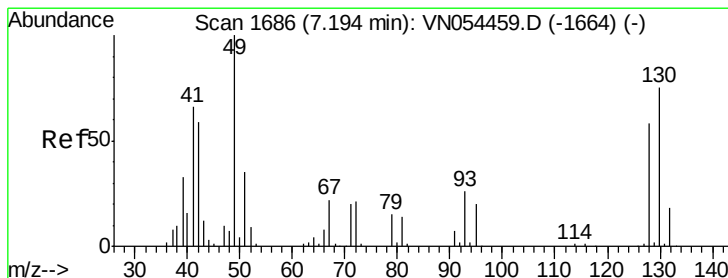
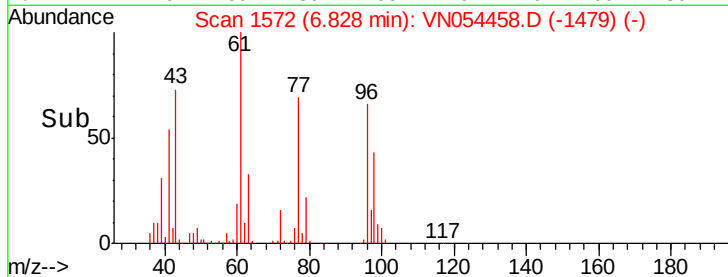
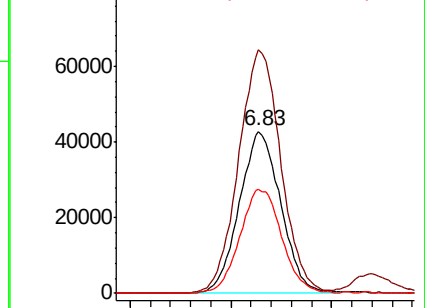
98 65.1 0.0 130.6



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



#28

Bromochloromethane

Concen: 29.054 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

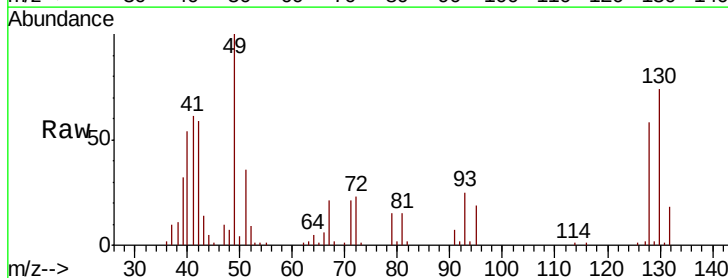
Tgt Ion: 49 Resp: 102093

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.6

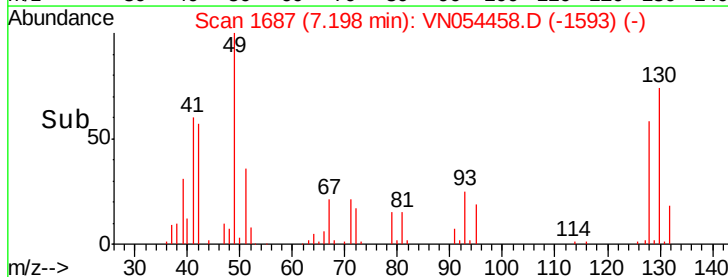
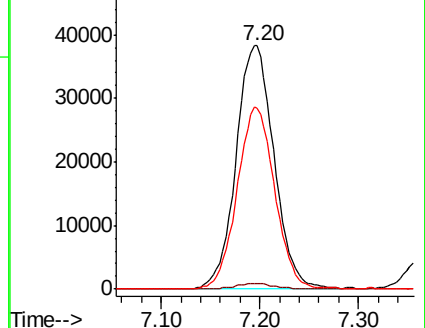
130 74.0 76.7 115.1#

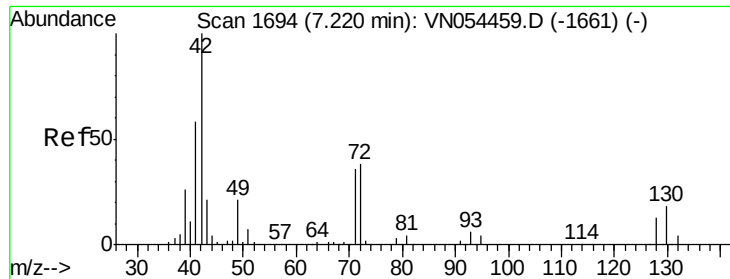


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

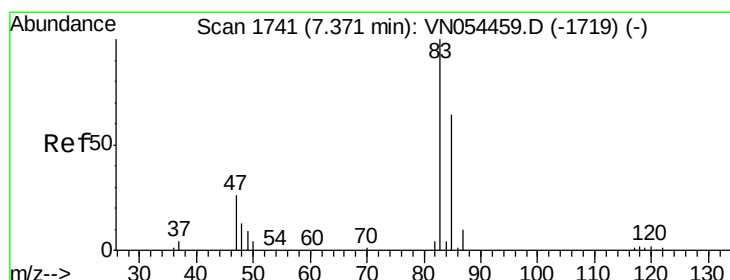
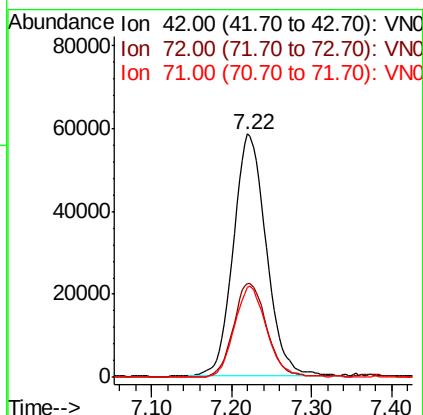
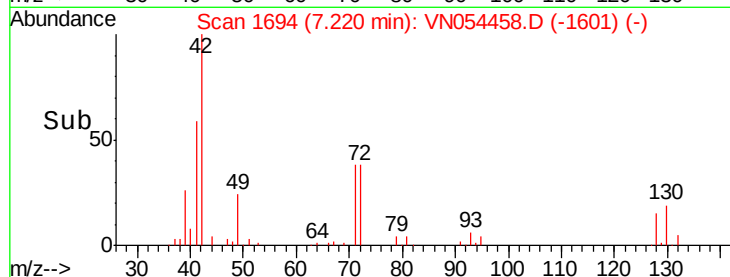
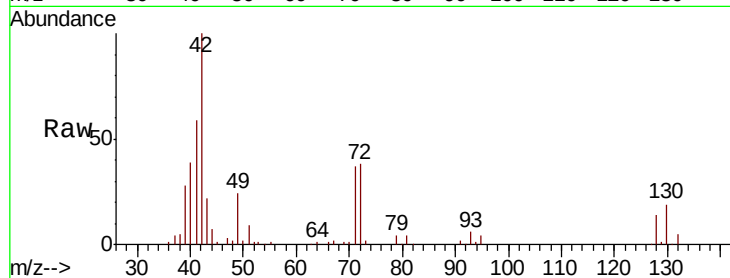




#29
Tetrahydrofuran
Concen: 140.165 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

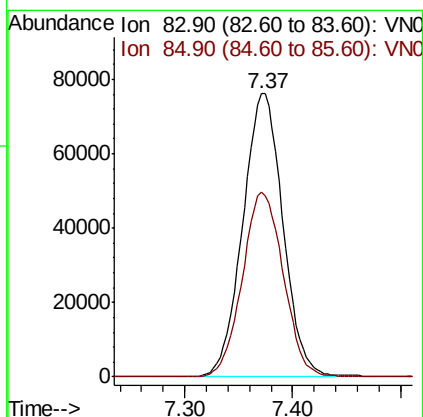
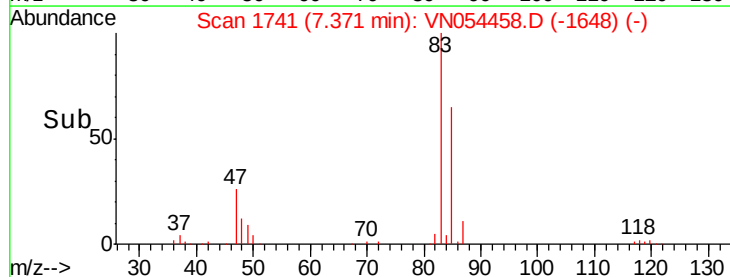
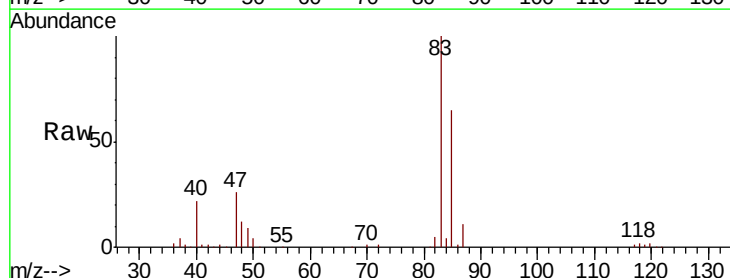
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

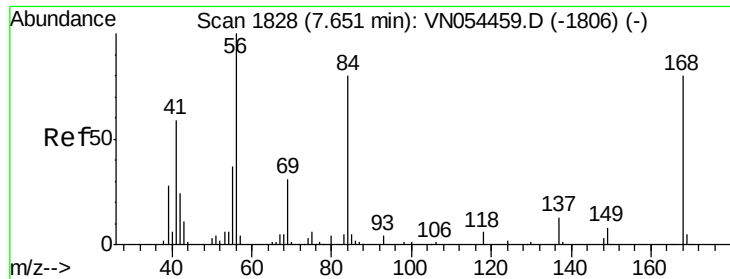
Tgt Ion: 42 Resp: 161847
Ion Ratio Lower Upper
42 100
72 39.3 37.8 56.6
71 37.0 36.2 54.2



#30
Chloroform
Concen: 21.979 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 83 Resp: 197134
Ion Ratio Lower Upper
83 100
85 65.1 52.2 78.4

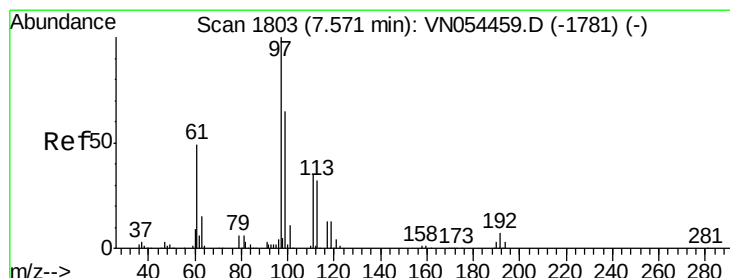
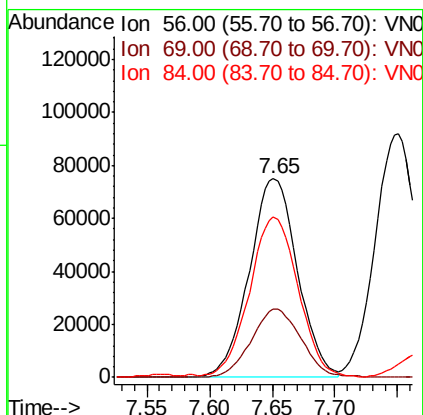
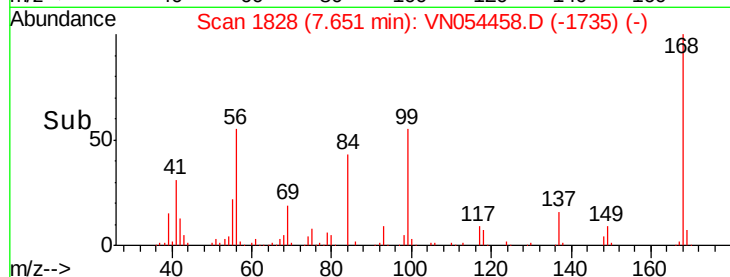
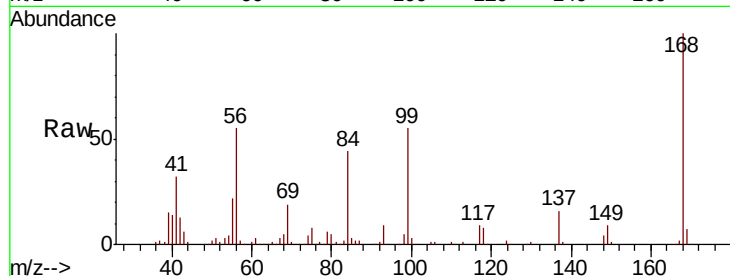




#31
Cyclohexane
Concen: 21.672 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

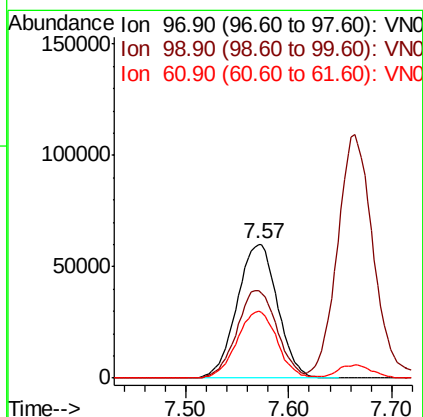
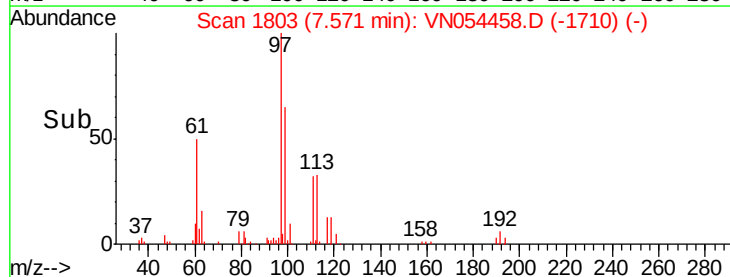
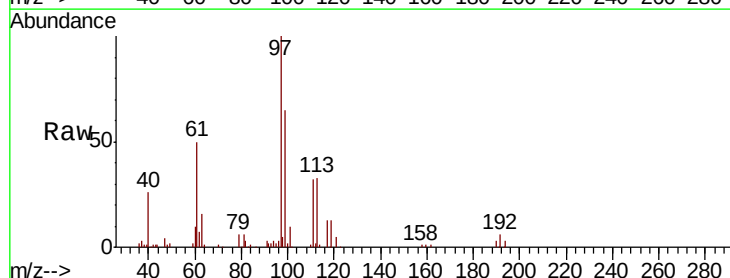
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

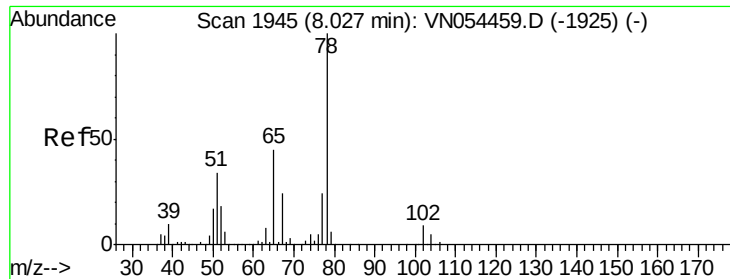
Tgt Ion: 56 Resp: 200514
Ion Ratio Lower Upper
56 100
69 34.2 27.8 41.6
84 79.3 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 20.232 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 97 Resp: 163884
Ion Ratio Lower Upper
97 100
99 65.0 51.5 77.3
61 49.4 33.6 50.4

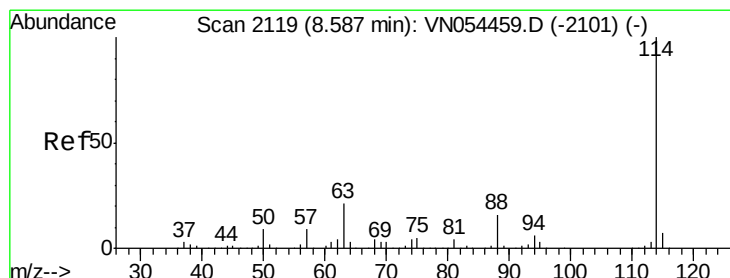
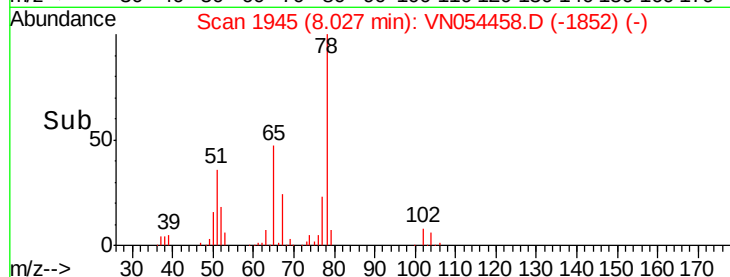
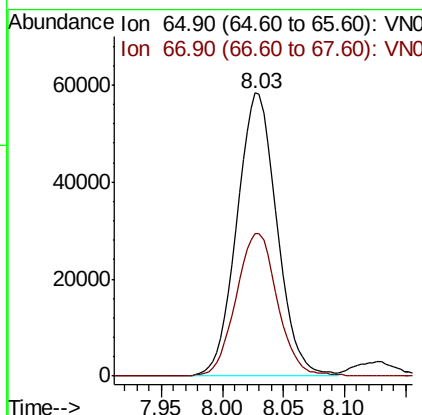
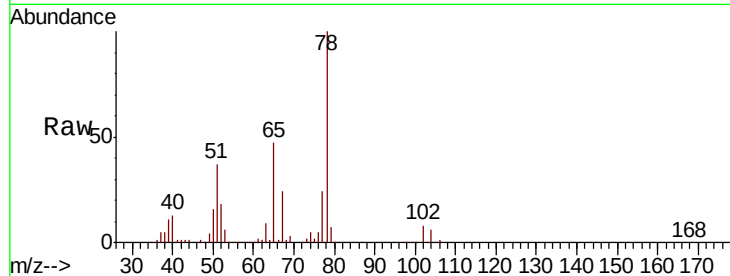




#33
 1,2-Dichloroethane-d4
 Concen: 24.779 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

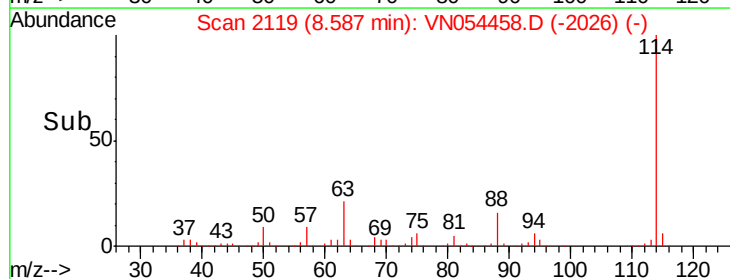
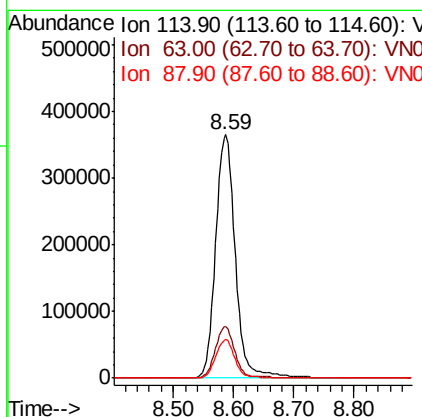
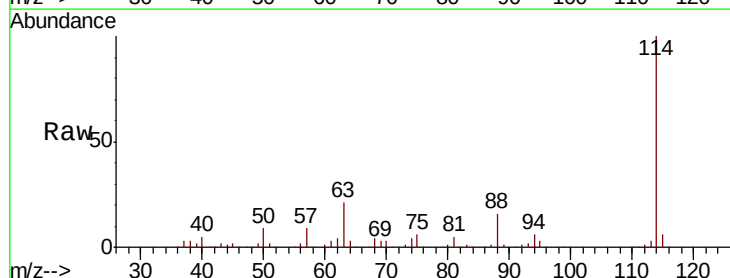
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

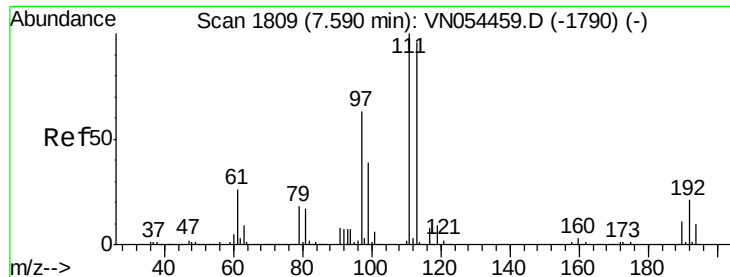
Tgt Ion: 65 Resp: 132421
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 114 Resp: 815312
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 35.2
 88 16.1 0.0 30.2

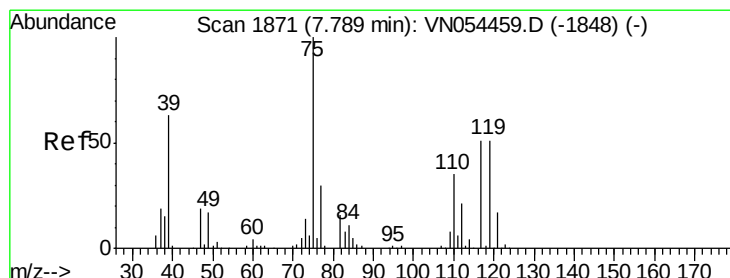
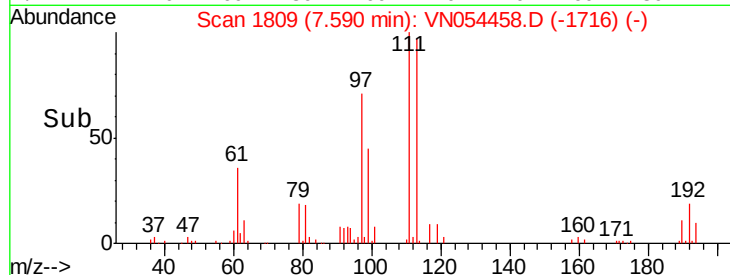
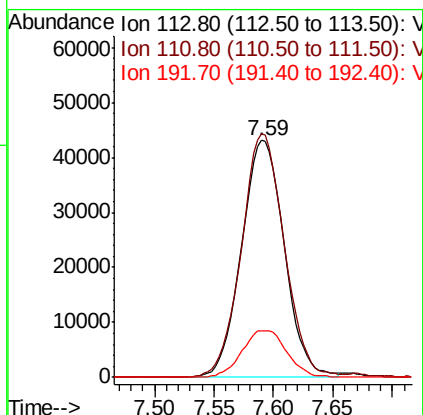
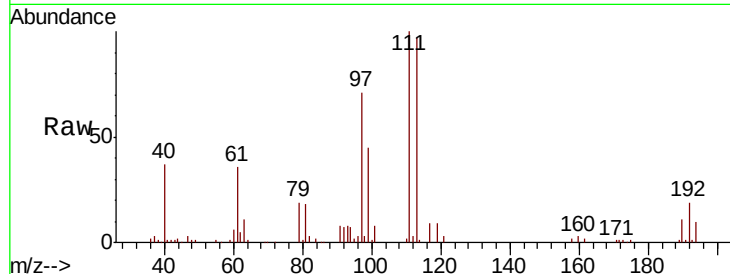




#35
 Dibromofluoromethane
 Concen: 20.422 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

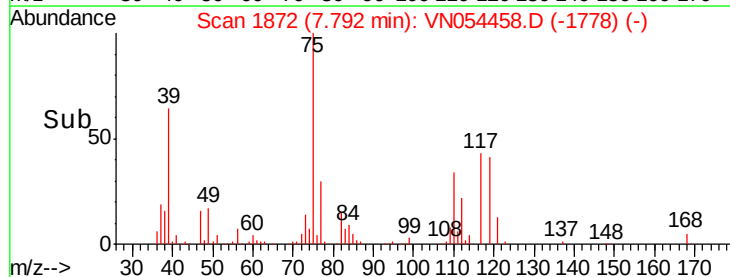
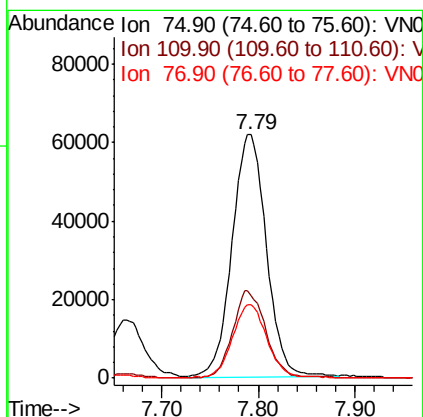
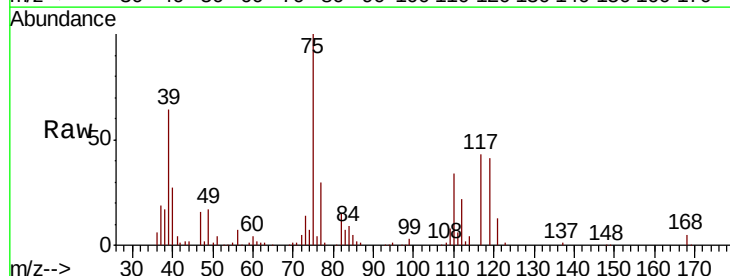
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

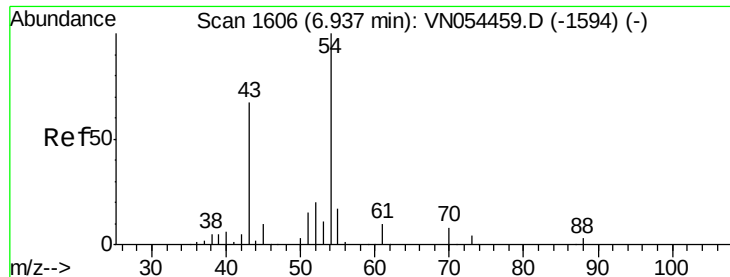
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	20.7	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 20.174 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	19.1	57.5
77	30.6	25.0	37.4

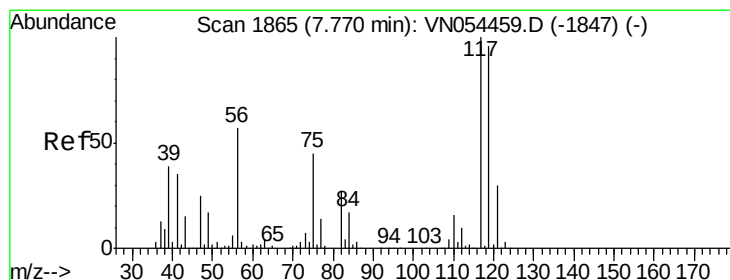
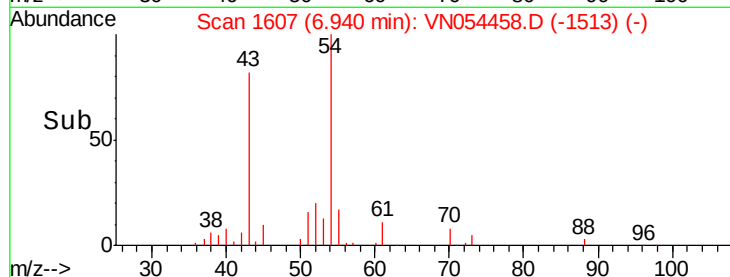
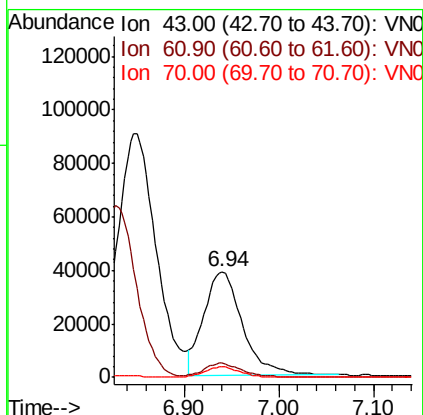
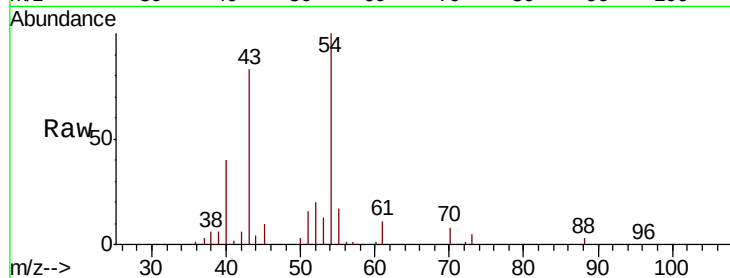




#37
Ethyl Acetate
 Concen: 25.722 ug/l
 RT: 6.94 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

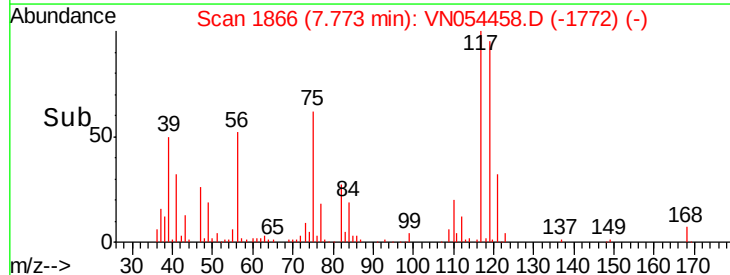
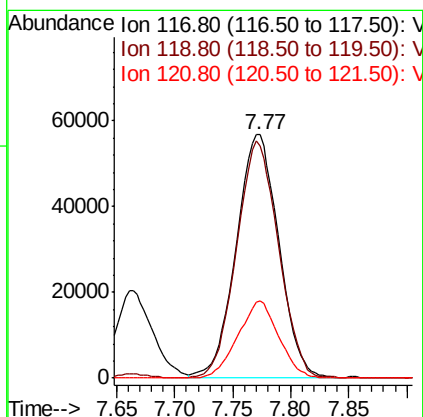
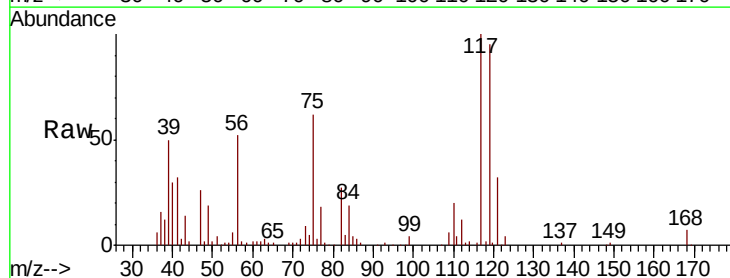
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

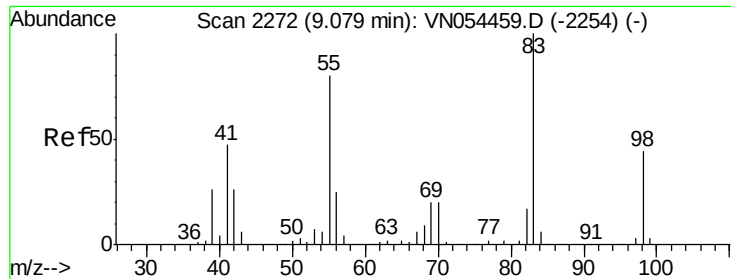
Tgt Ion: 43 Resp: 110970
 Ion Ratio Lower Upper
 43 100
 61 13.7 11.8 17.6
 70 9.2 8.4 12.6



#38
Carbon Tetrachloride
 Concen: 18.444 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 117 Resp: 145226
 Ion Ratio Lower Upper
 117 100
 119 95.0 76.3 114.5
 121 31.9 24.6 36.8

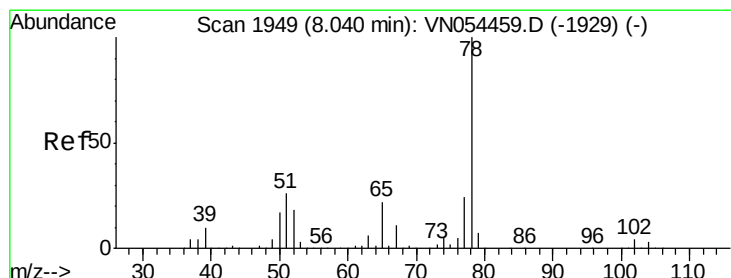
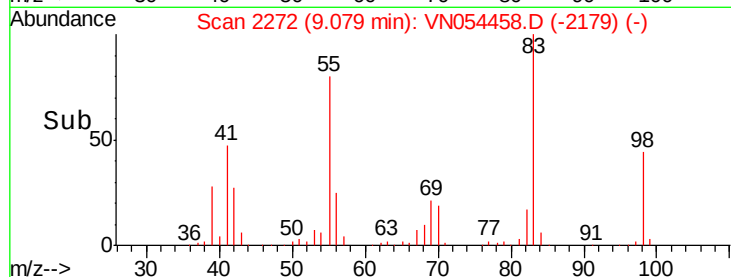
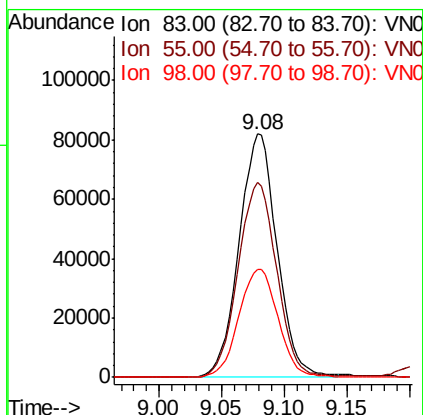
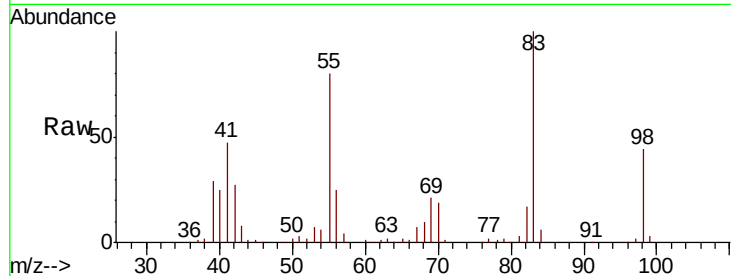




#39
Methylcyclohexane
Concen: 18.707 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

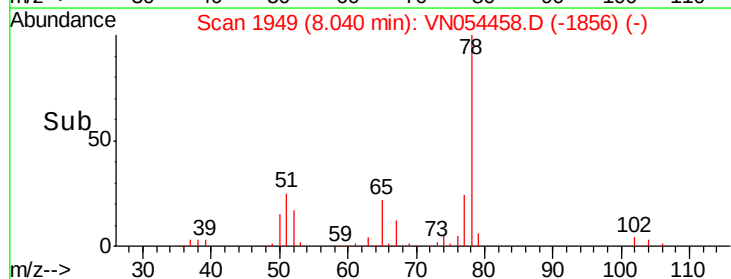
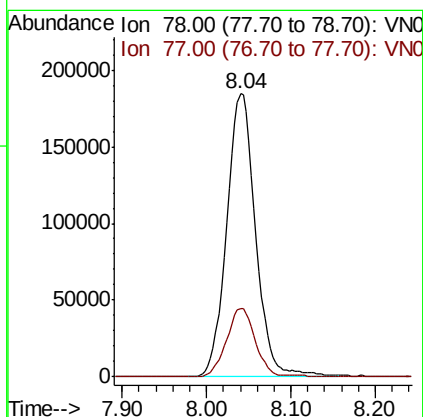
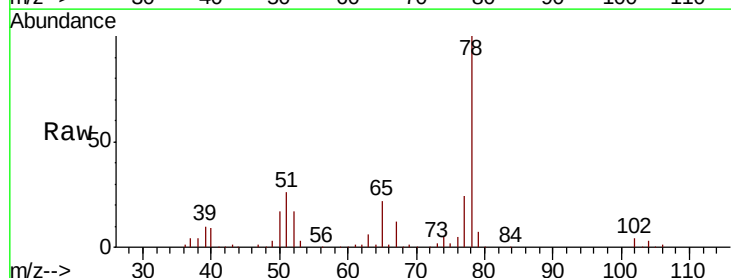
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

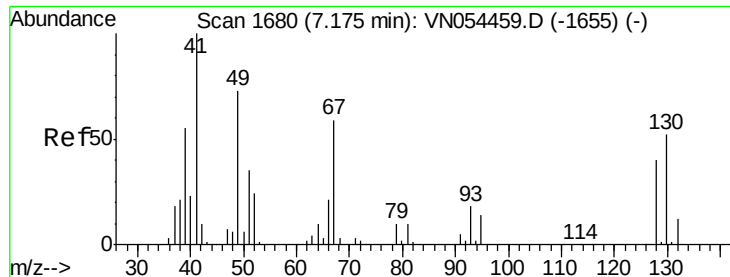
Tgt Ion: 83 Resp: 172815
Ion Ratio Lower Upper
83 100
55 79.7 56.6 84.8
98 44.3 38.4 57.6



#40
Benzene
Concen: 20.502 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 78 Resp: 440508
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7

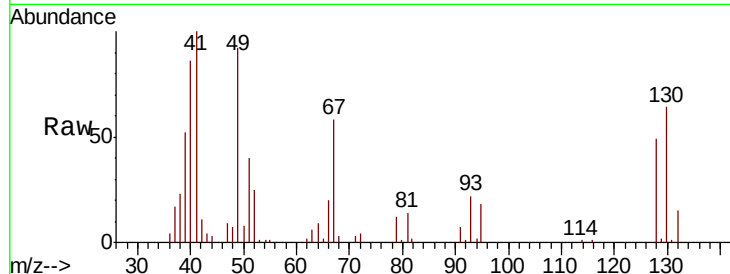




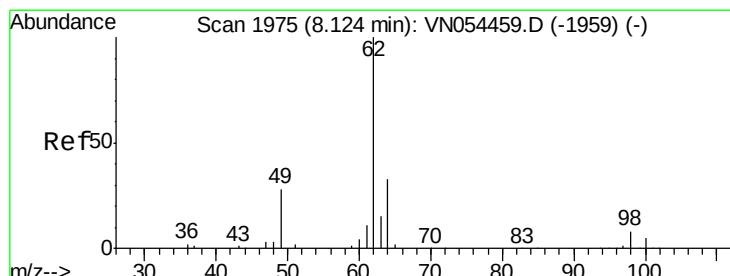
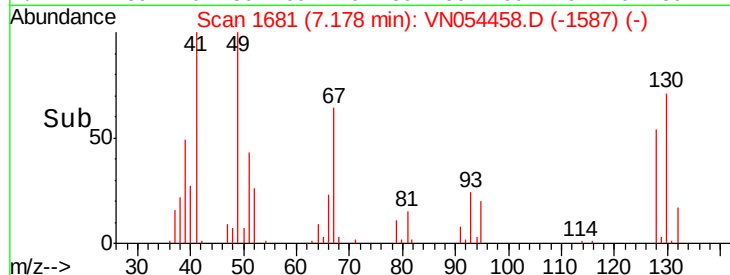
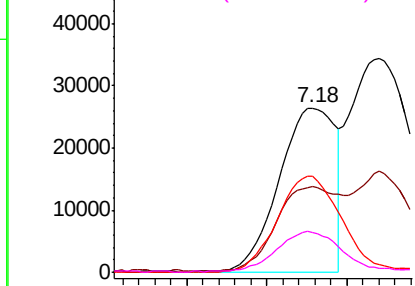
#41
Methacrylonitrile
Concen: 26.376 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 41 Resp: 64971
Ion Ratio Lower Upper
41 100
39 59.9 46.8 70.2
67 66.9 67.0 100.4#
52 29.7 26.5 39.7

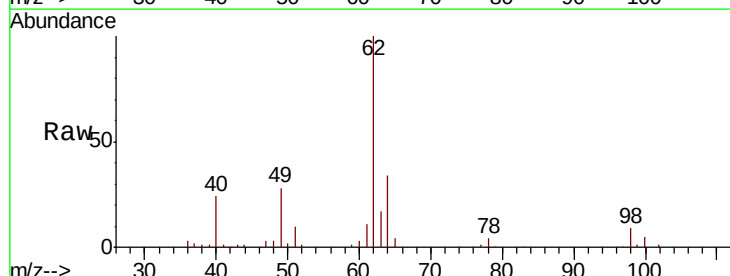


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

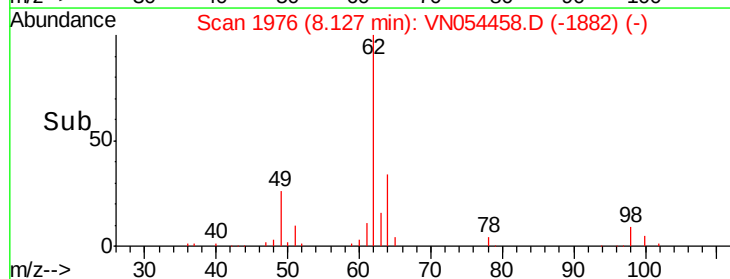
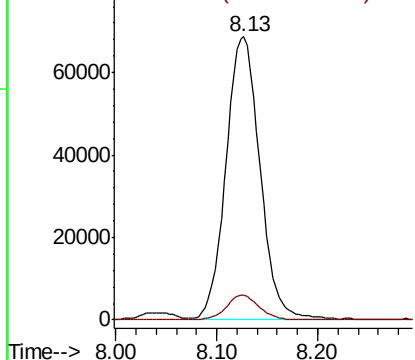


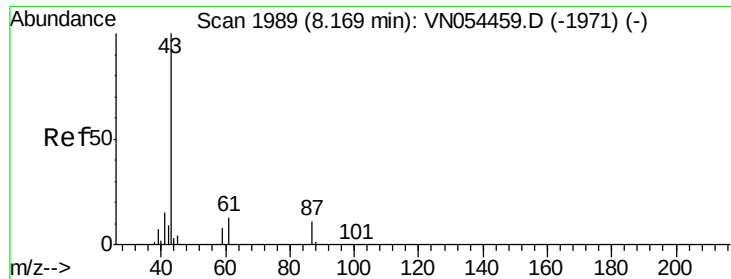
#42
1,2-Dichloroethane
Concen: 22.111 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 62 Resp: 160393
Ion Ratio Lower Upper
62 100
98 8.4 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 23.500 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

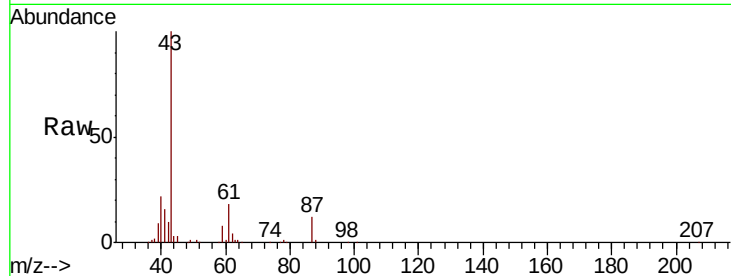
Tgt Ion: 43 Resp: 177953

Ion Ratio Lower Upper

43 100

61 18.9 15.8 23.8

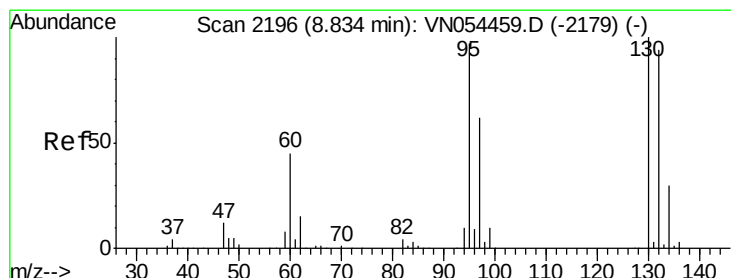
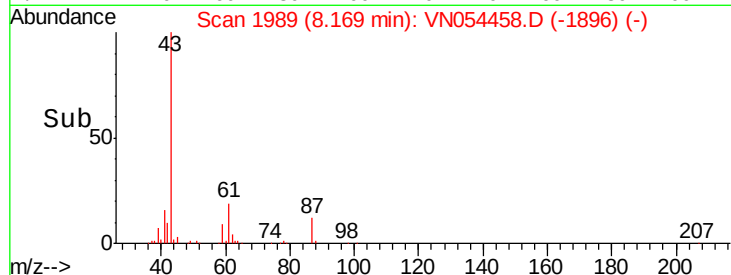
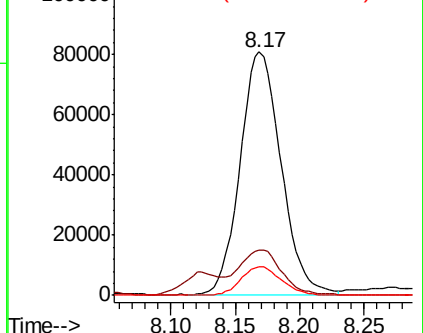
87 11.6 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054458.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054458.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054458.D (-1896) (-)



#44

Trichloroethene

Concen: 18.637 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054458.D

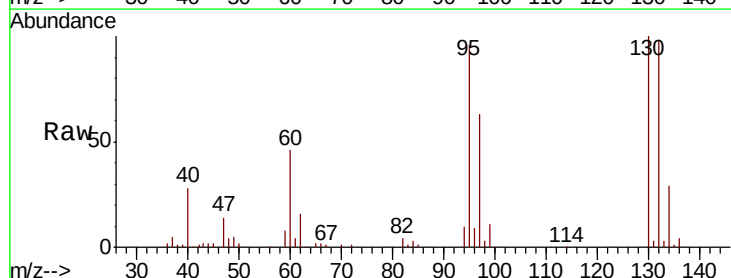
Acq: 20 Mar 2019 11:14

Tgt Ion: 130 Resp: 124396

Ion Ratio Lower Upper

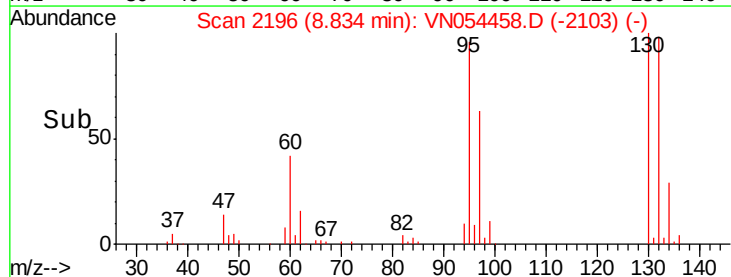
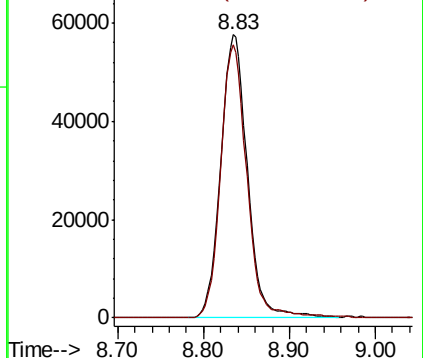
130 100

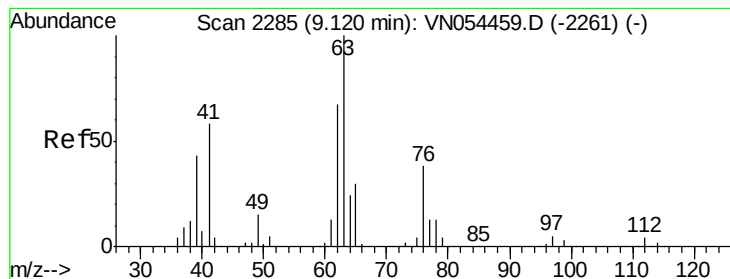
95 96.4 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054458.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054458.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 22.739 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

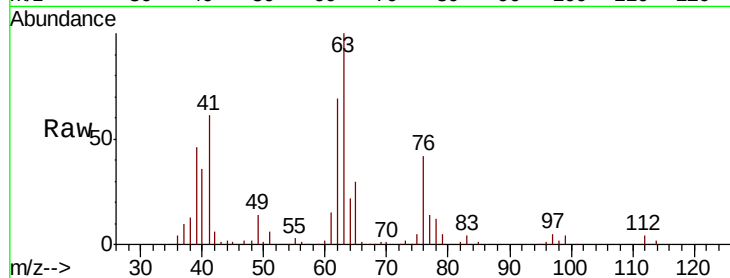
VSTDIC020

Tgt Ion: 63 Resp: 121313

Ion Ratio Lower Upper

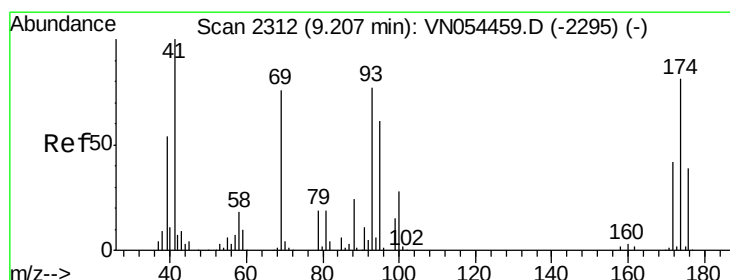
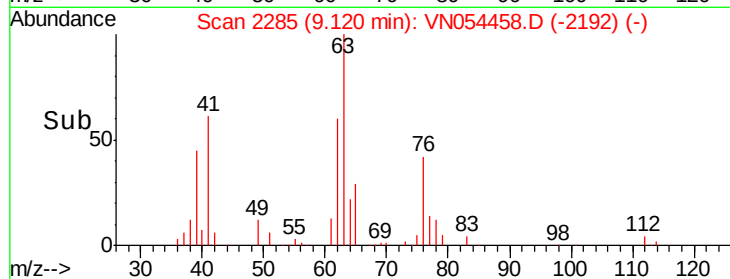
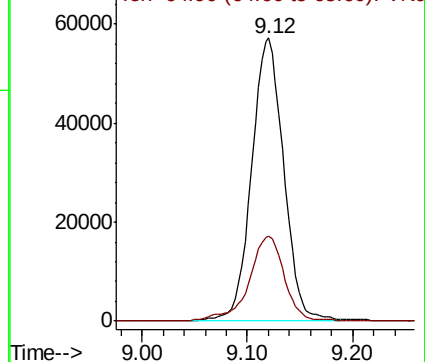
63 100

65 30.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.555 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

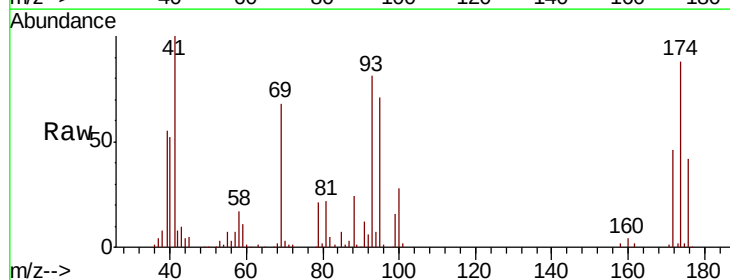
Tgt Ion: 93 Resp: 70492

Ion Ratio Lower Upper

93 100

95 86.1 66.7 100.1

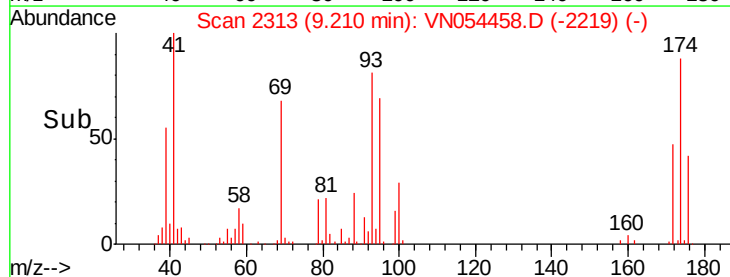
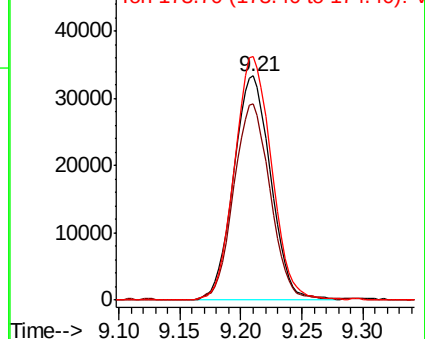
174 108.2 98.5 147.7

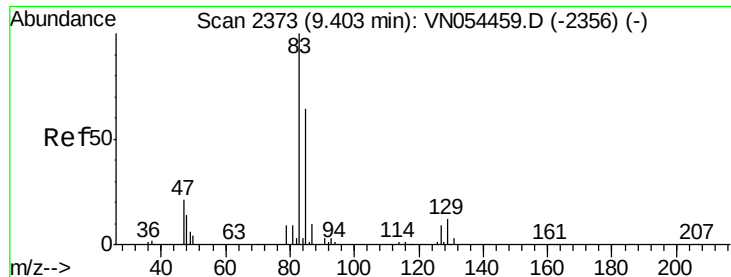


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

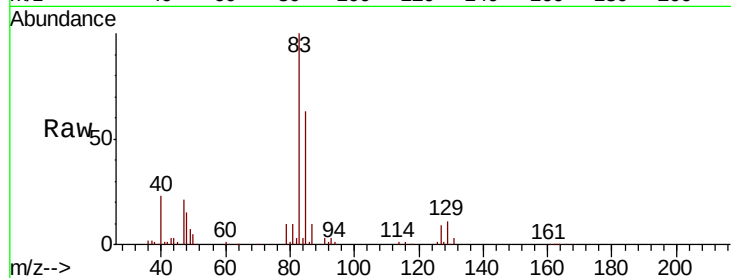




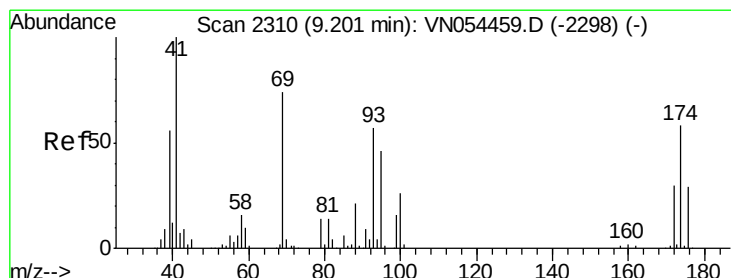
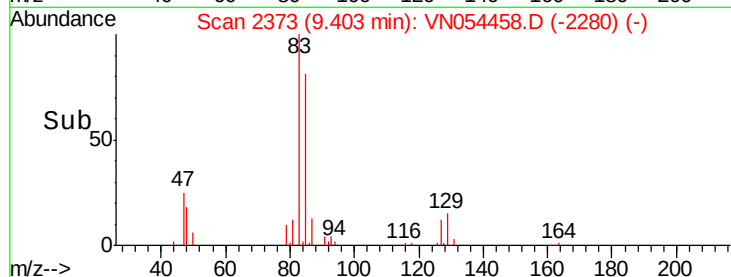
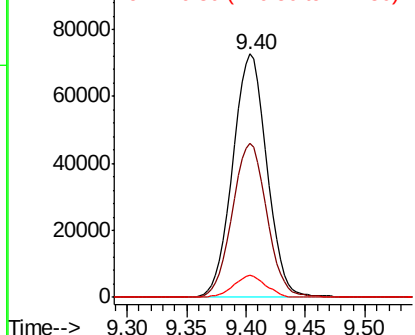
#47
Bromodichloromethane
Concen: 20.091 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 145191
Ion Ratio Lower Upper
83 100
85 63.2 52.8 79.2
127 9.1 7.4 11.2

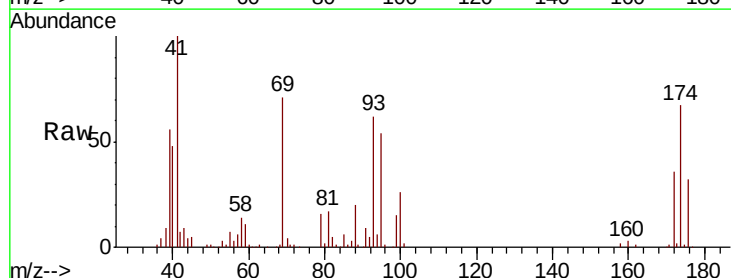


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

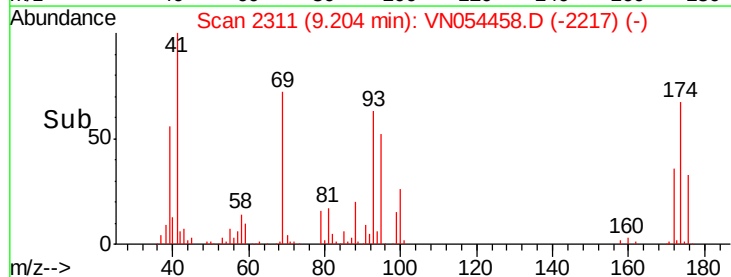
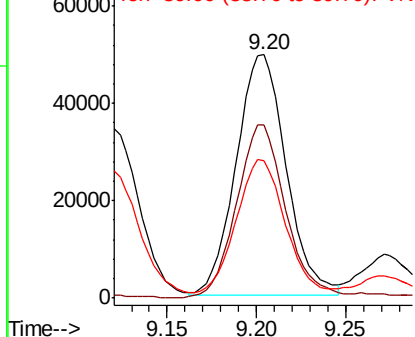


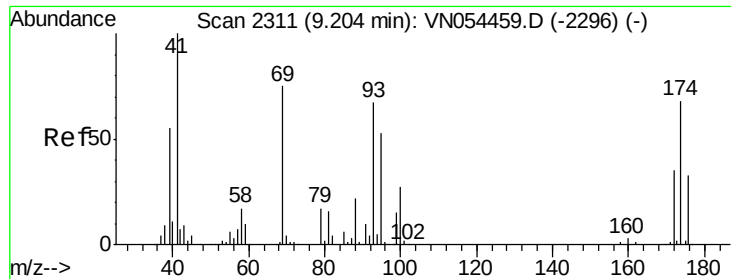
#48
Methyl methacrylate
Concen: 25.202 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 41 Resp: 96849
Ion Ratio Lower Upper
41 100
69 70.7 72.6 108.8#
39 56.0 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 419.071 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

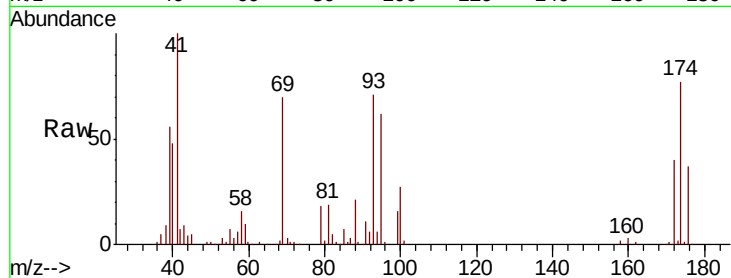
Tgt Ion: 88 Resp: 22780

Ion Ratio Lower Upper

88 100

43 36.3 24.1 36.1#

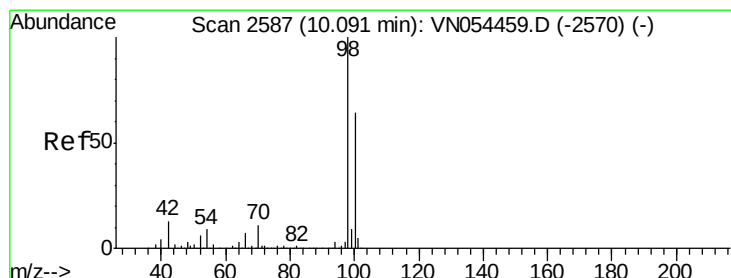
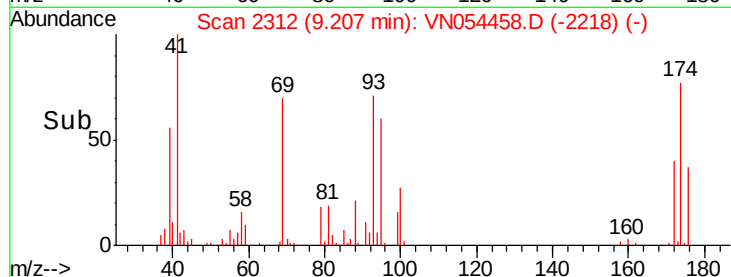
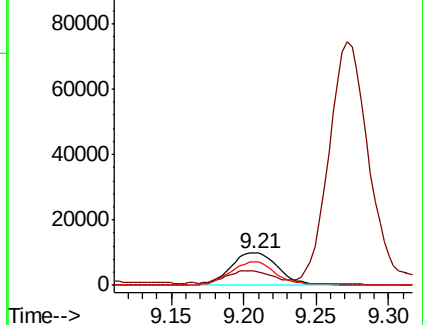
58 70.8 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN054458.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN054458.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN054458.D (-2218) (-)



#50

Toluene-d8

Concen: 20.749 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054458.D

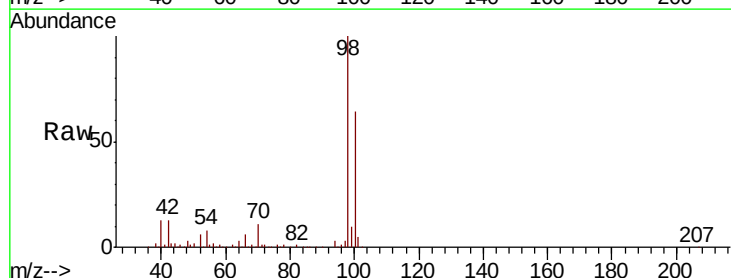
Acq: 20 Mar 2019 11:14

Tgt Ion: 98 Resp: 402951

Ion Ratio Lower Upper

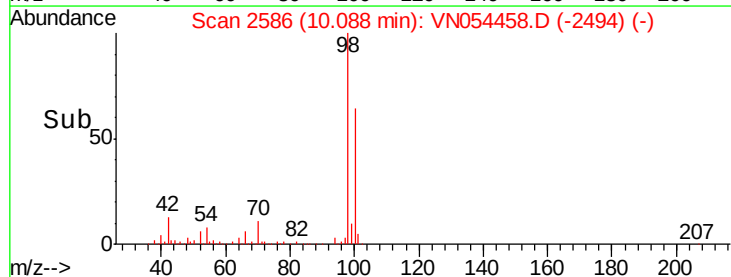
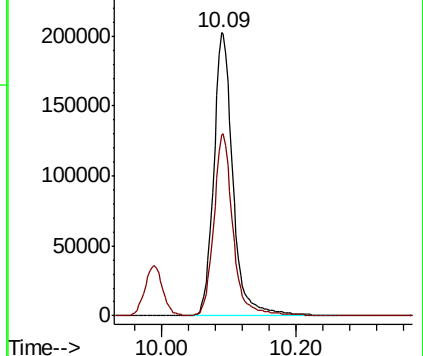
98 100

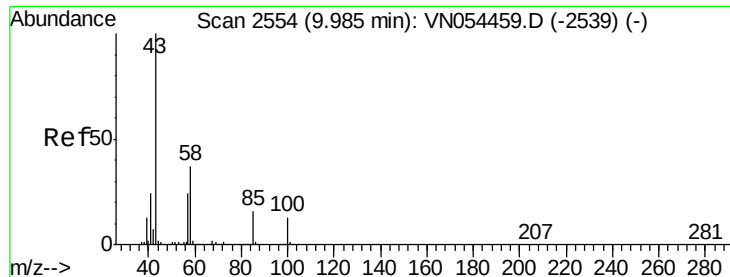
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054458.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN054458.D (-2494) (-)

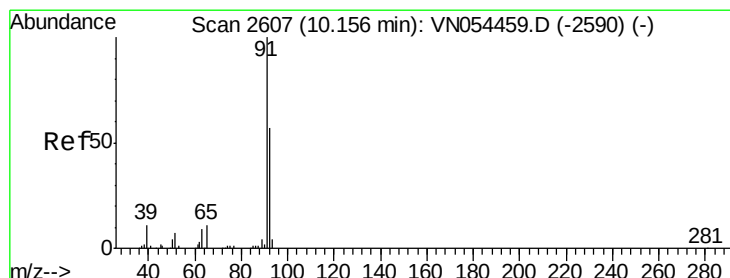
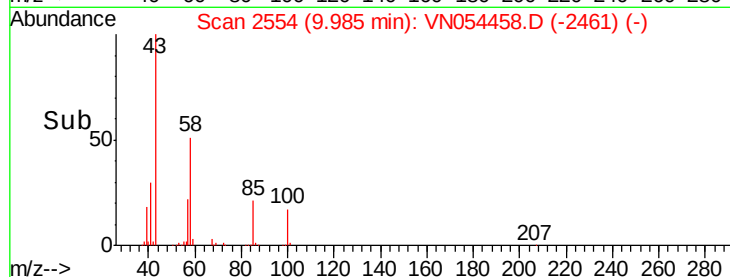
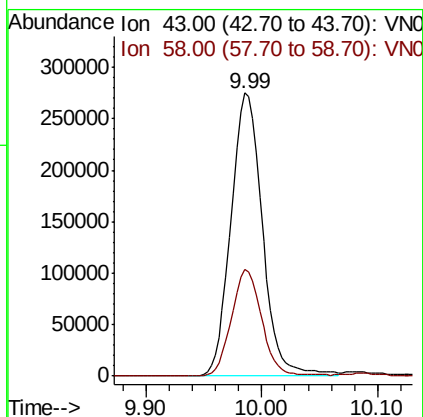
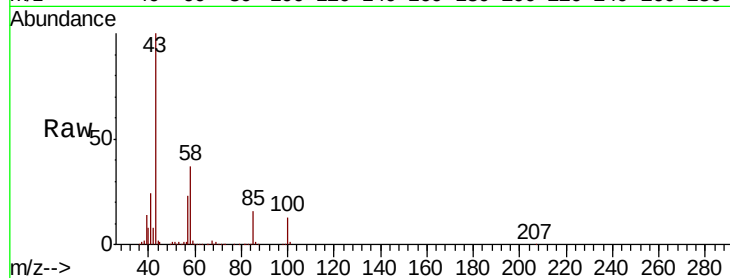




#51
 4-Methyl-2-Pentanone
 Concen: 128.425 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

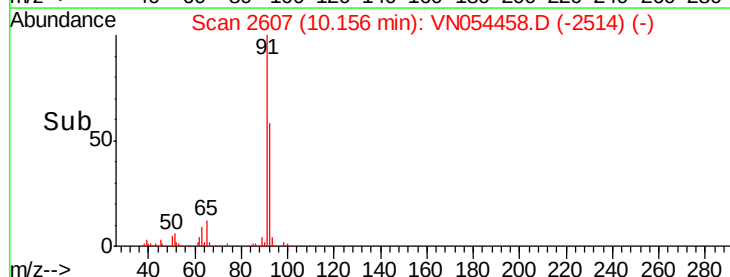
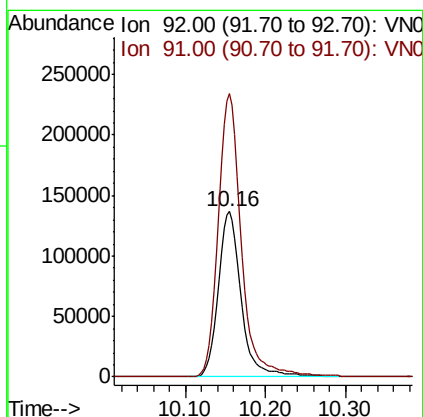
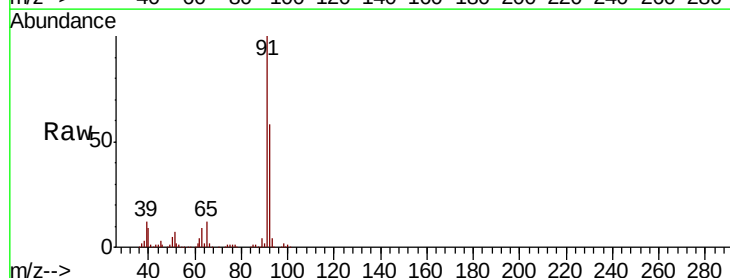
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

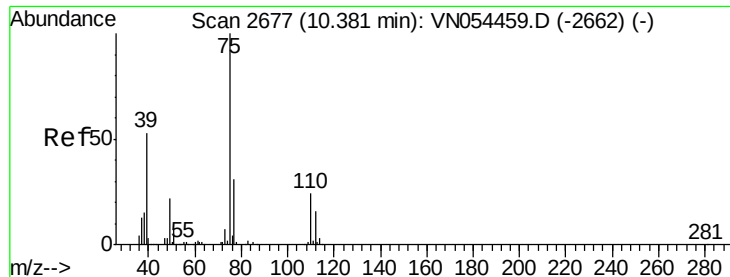
Tgt Ion: 43 Resp: 514659
 Ion Ratio Lower Upper
 43 100
 58 36.1 31.8 47.6



#52
 Toluene
 Concen: 19.927 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 92 Resp: 271468
 Ion Ratio Lower Upper
 92 100
 91 173.3 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 17.720 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

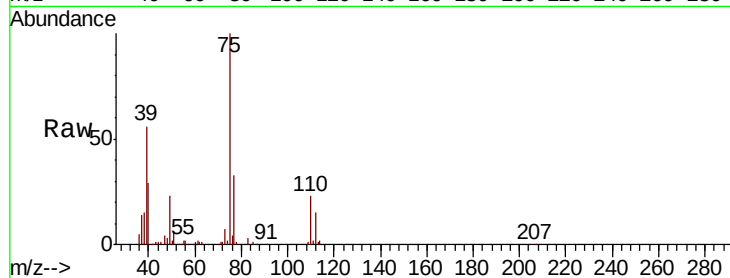
VSTDIC020

Tgt Ion: 75 Resp: 130335

Ion Ratio Lower Upper

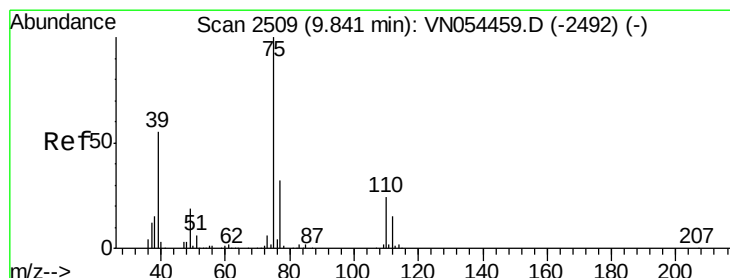
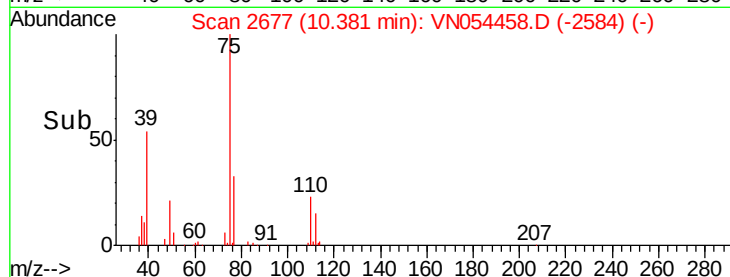
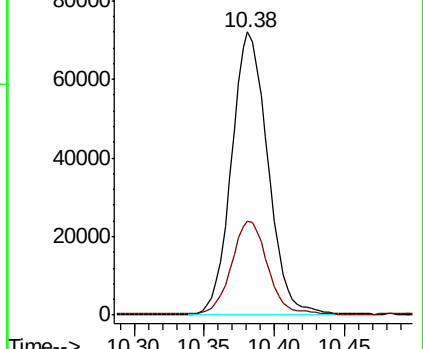
75 100

77 33.1 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: 20.102 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

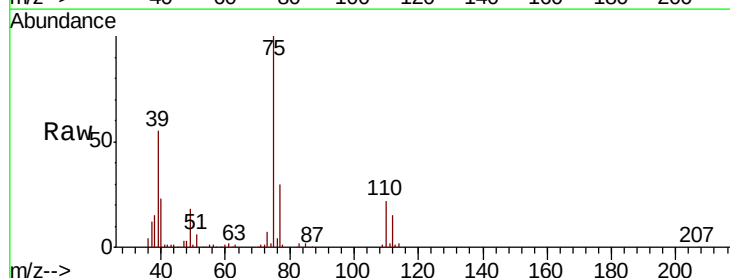
Tgt Ion: 75 Resp: 169281

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

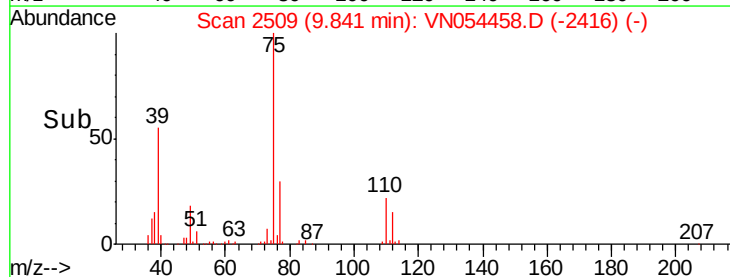
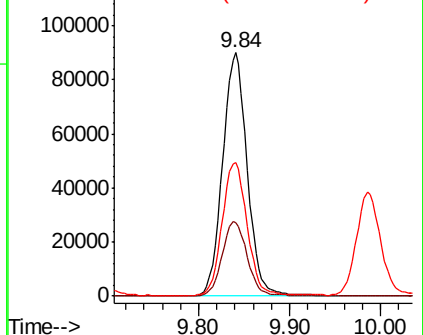
39 54.8 37.2 55.8

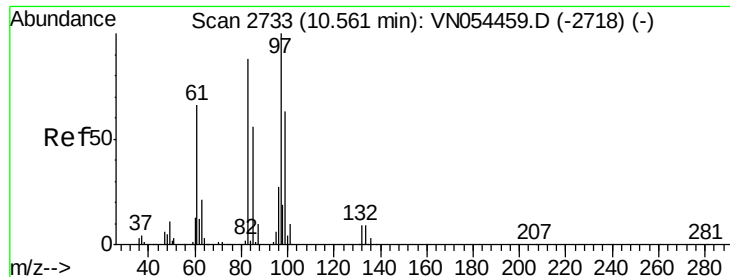


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.428 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 96645

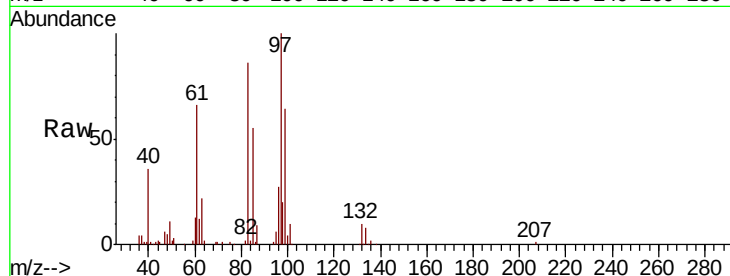
Ion Ratio Lower Upper

97 100

83 85.7 66.6 100.0

85 55.3 44.4 66.6

99 63.9 50.8 76.2

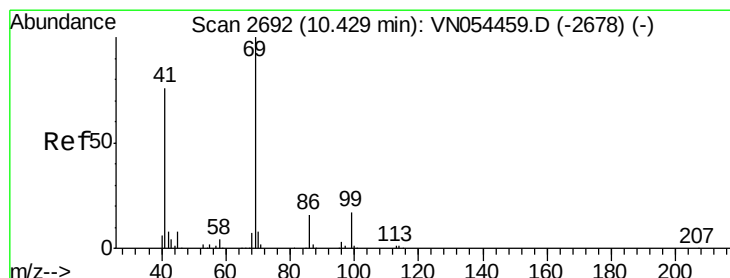
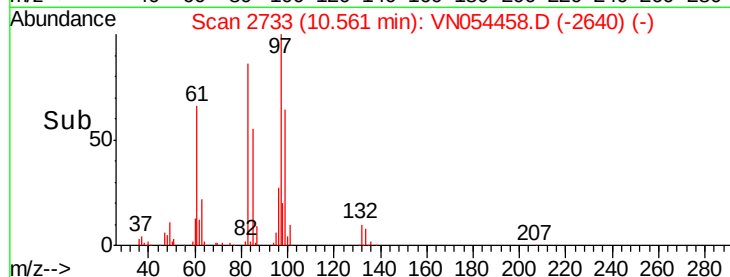
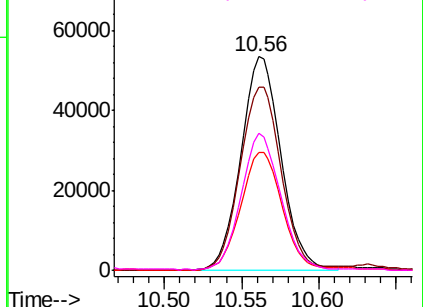


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.438 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

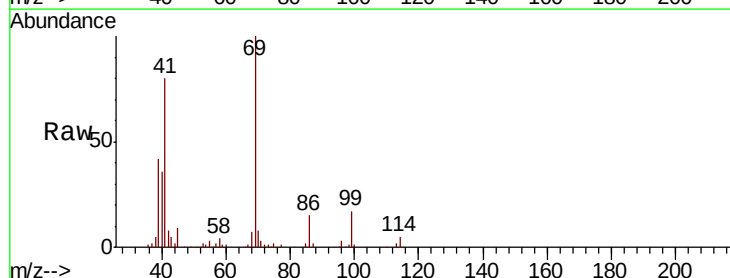
Tgt Ion: 69 Resp: 127160

Ion Ratio Lower Upper

69 100

41 75.2 49.4 74.2#

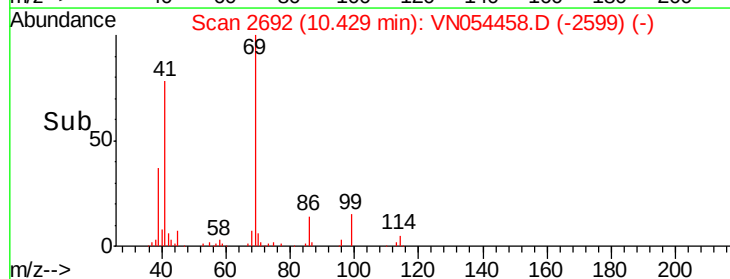
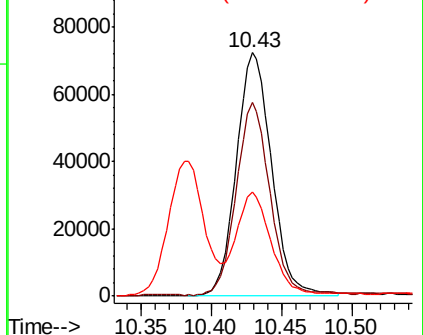
39 41.0 28.3 42.5

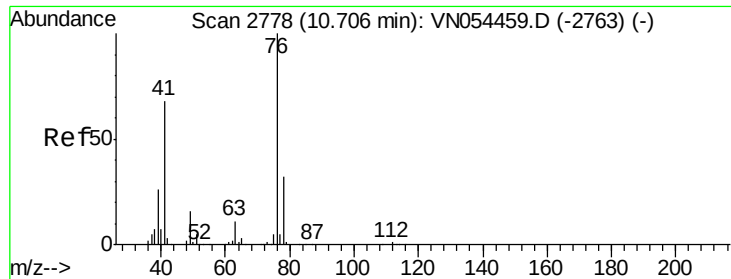


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

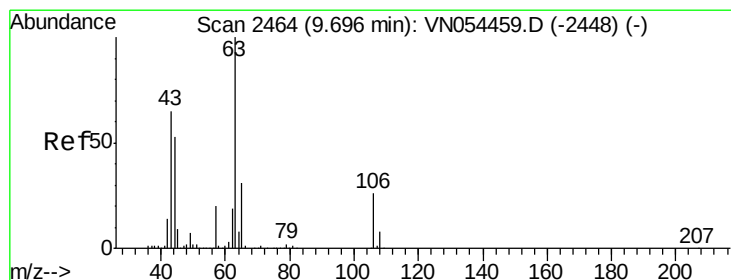
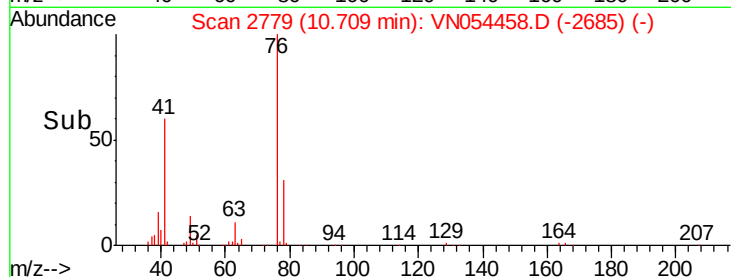
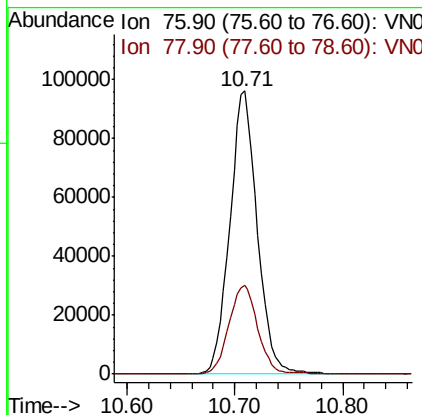
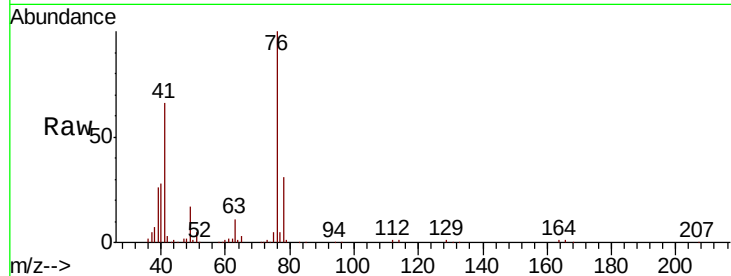




#57
 1,3-Dichloropropane
 Concen: 20.972 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

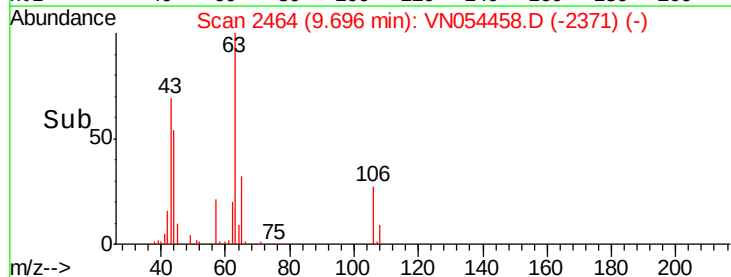
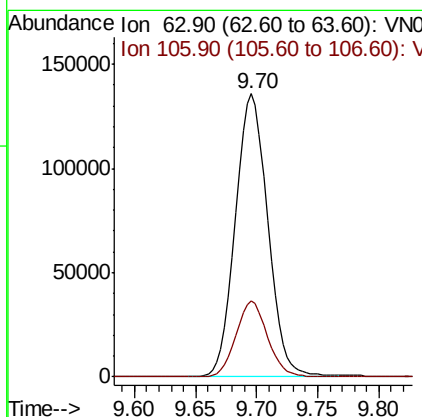
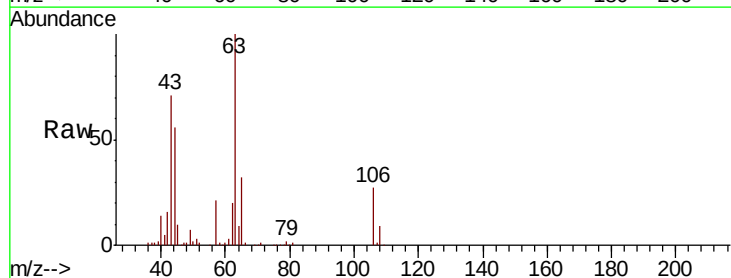
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

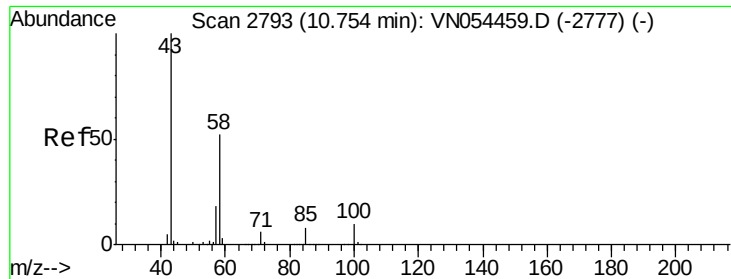
Tgt Ion: 76 Resp: 170582
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.653 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

Tgt Ion: 63 Resp: 250868
 Ion Ratio Lower Upper
 63 100
 106 26.1 24.4 36.6

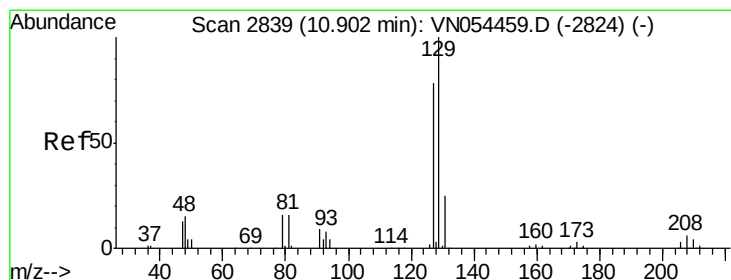
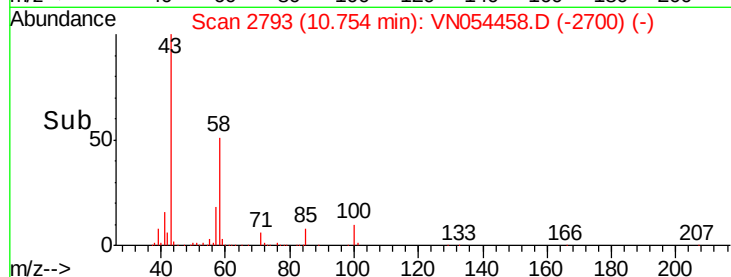
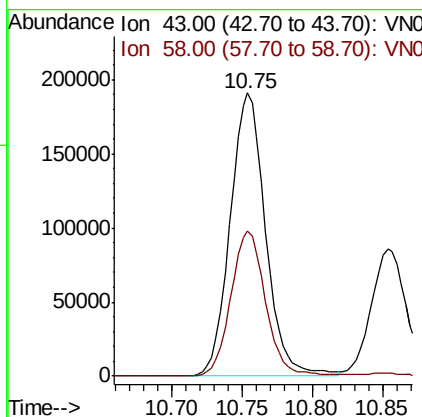
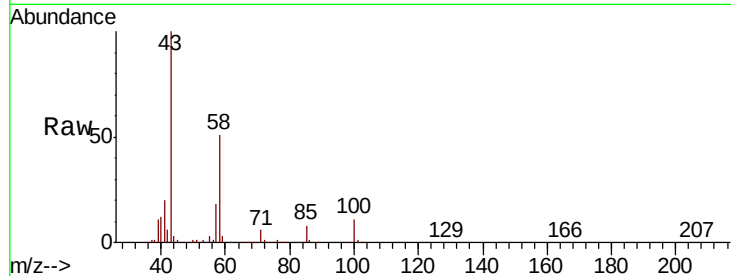




#59
2-Hexanone
Concen: 124.863 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

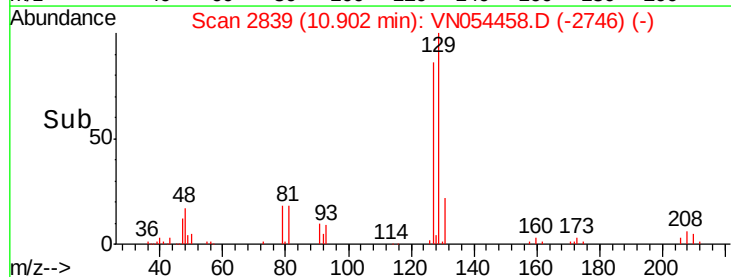
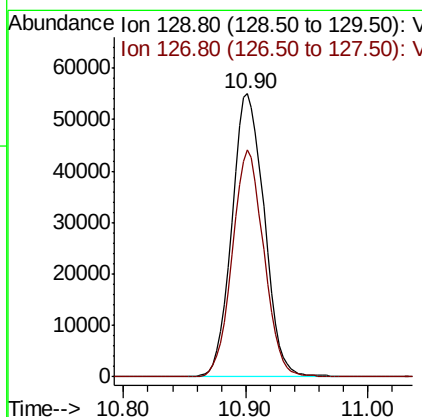
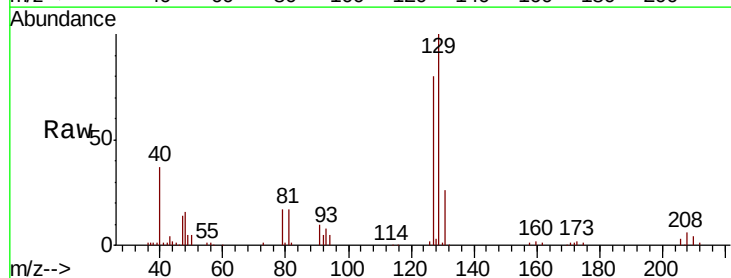
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

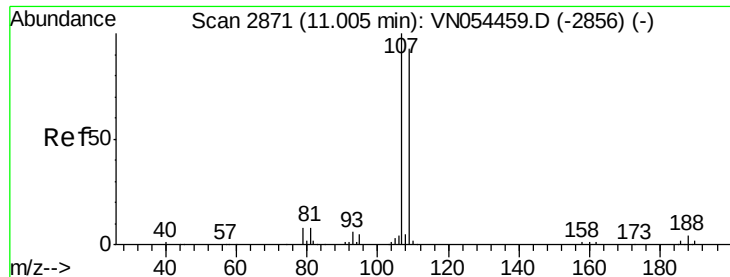
Tgt Ion: 43 Resp: 332955
Ion Ratio Lower Upper
43 100
58 50.8 28.0 83.9



#60
Dibromochloromethane
Concen: 18.081 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 129 Resp: 101235
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.203 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

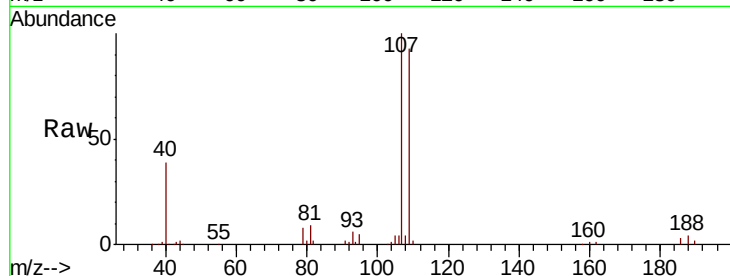
VSTDIC020

Tgt Ion: 107 Resp: 97076

Ion Ratio Lower Upper

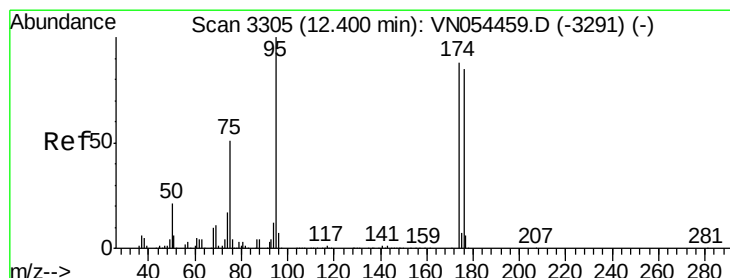
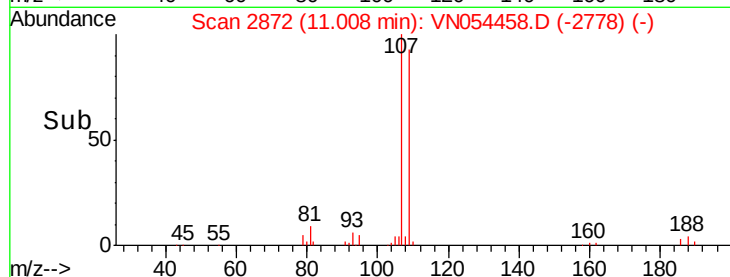
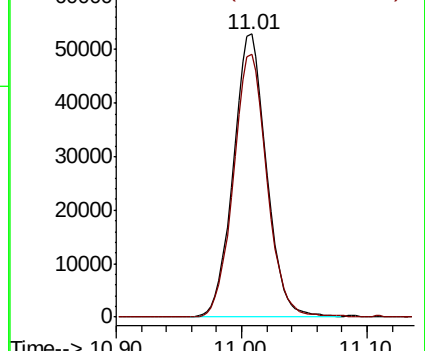
107 100

109 93.7 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.088 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

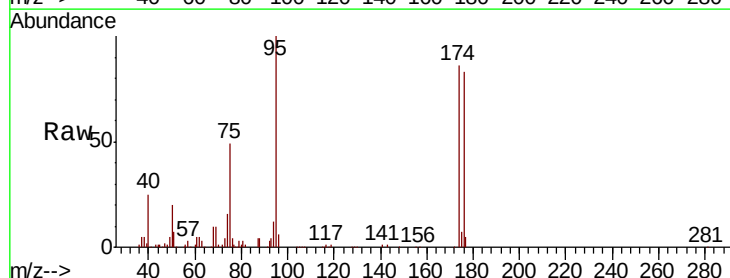
Tgt Ion: 95 Resp: 136501

Ion Ratio Lower Upper

95 100

174 84.2 0.0 191.0

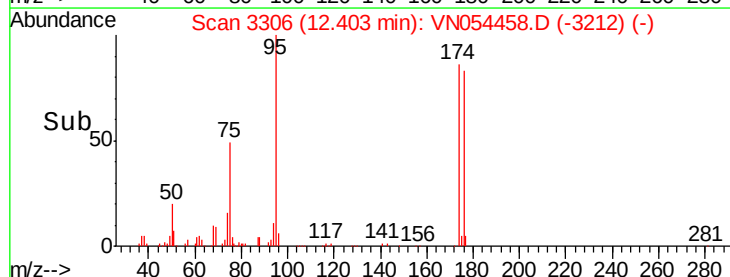
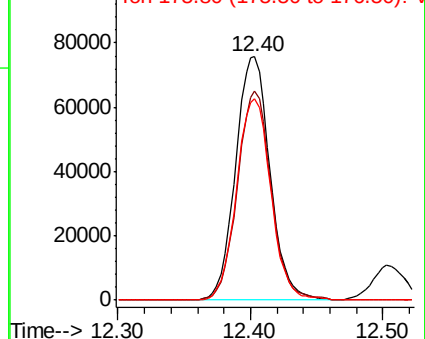
176 82.5 0.0 187.4

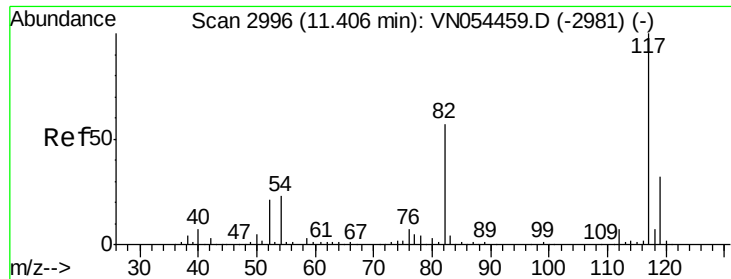


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

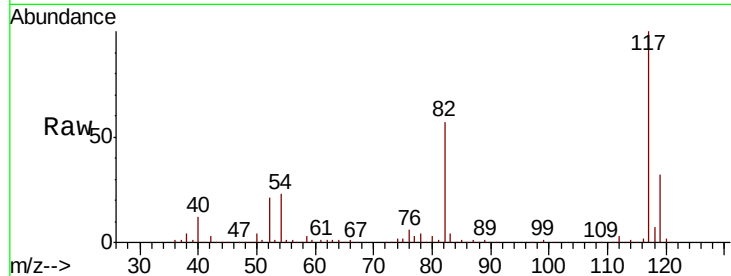




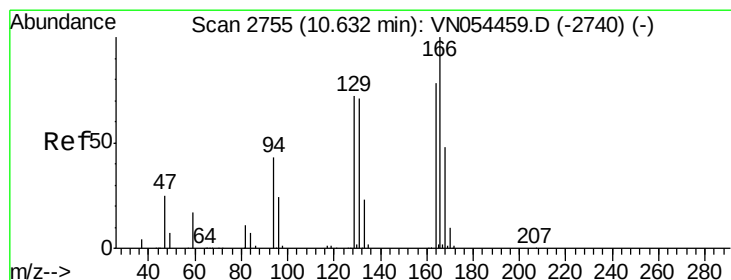
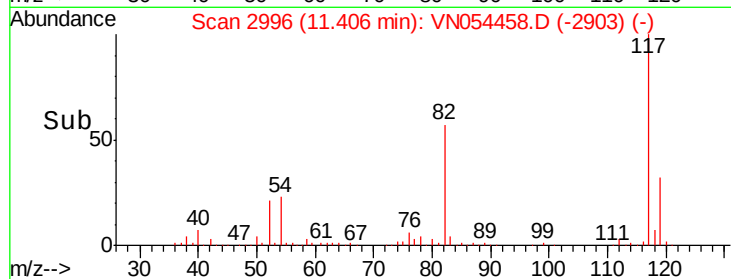
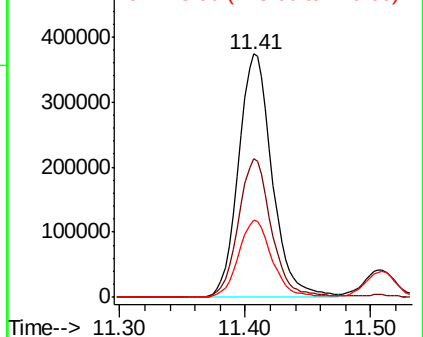
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 698497
Ion Ratio Lower Upper
117 100
82 56.7 40.0 60.0
119 31.7 25.8 38.6

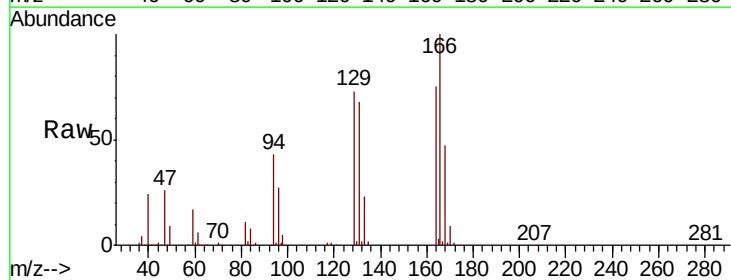


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

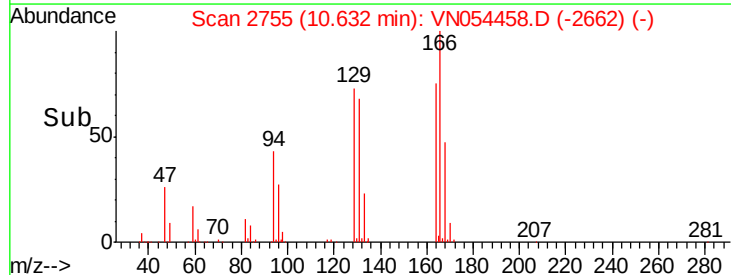
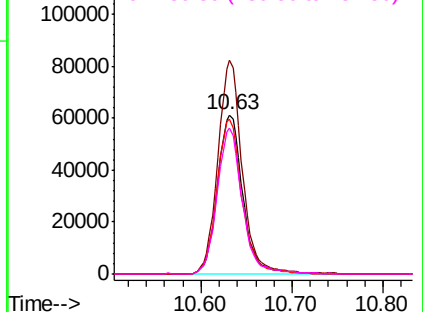


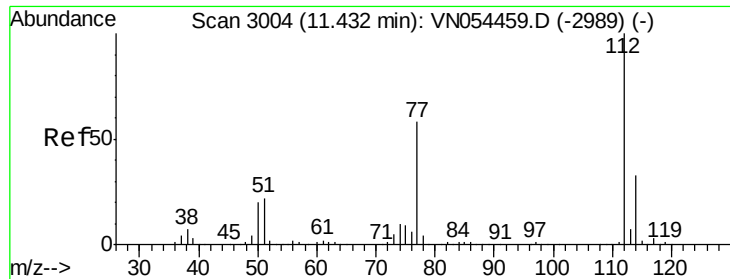
#64
Tetrachloroethene
Concen: 17.621 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Tgt Ion:164 Resp: 119001
Ion Ratio Lower Upper
164 100
166 134.0 103.9 155.9
129 97.5 71.1 106.7
131 91.6 68.2 102.4



Abundance Ion 163.80 (163.50 to 164.50): V
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

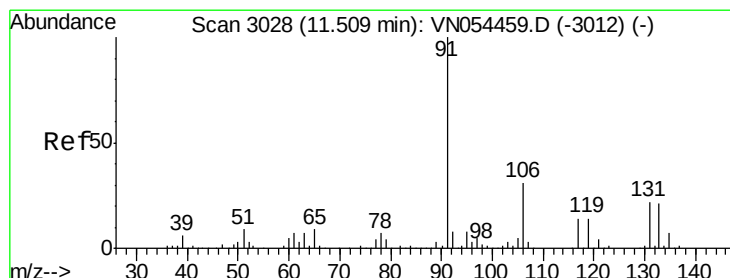
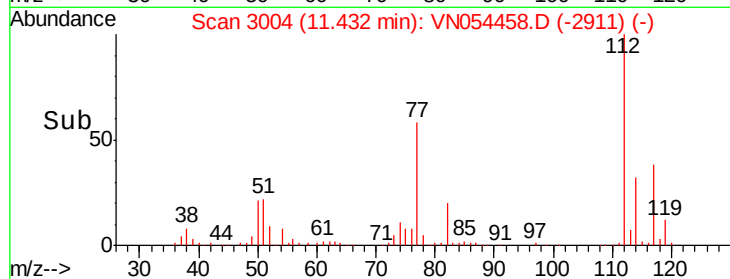
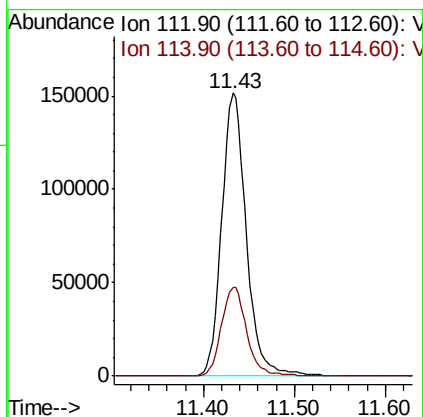
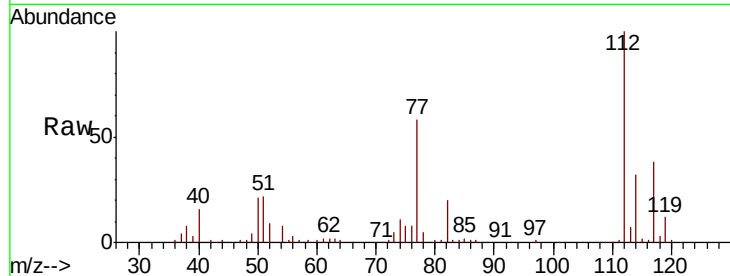




#65
Chlorobenzene
Concen: 18.546 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

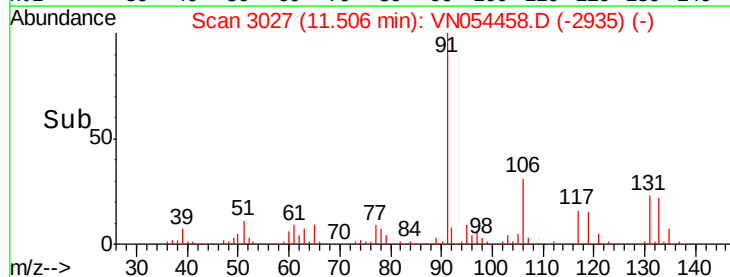
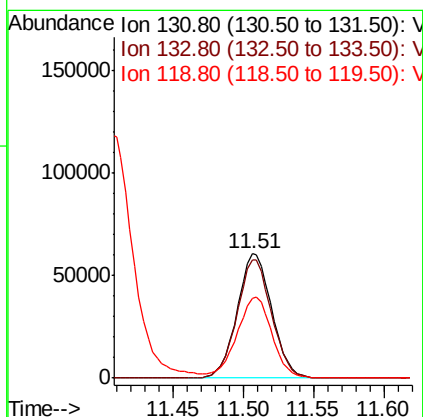
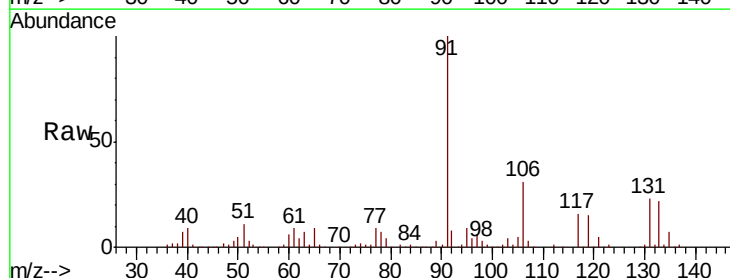
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

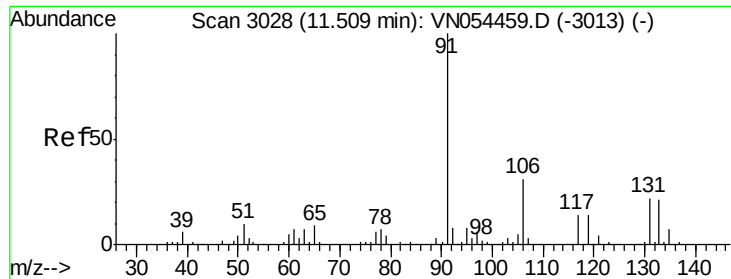
Tgt Ion:112 Resp: 284439
Ion Ratio Lower Upper
112 100
114 31.5 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 18.697 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Tgt Ion:131 Resp: 104174
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 66.8 32.4 97.0

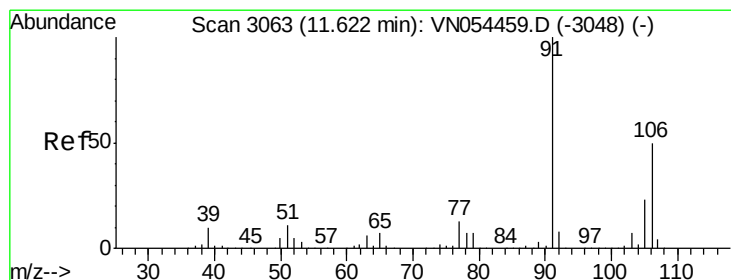
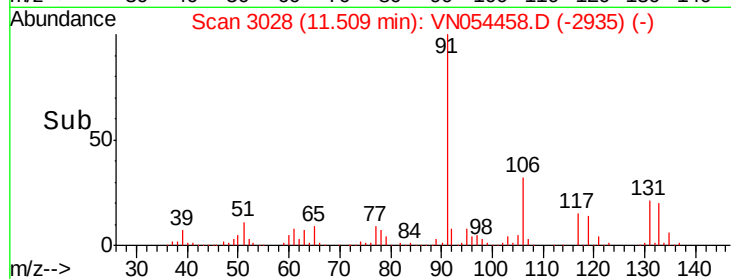
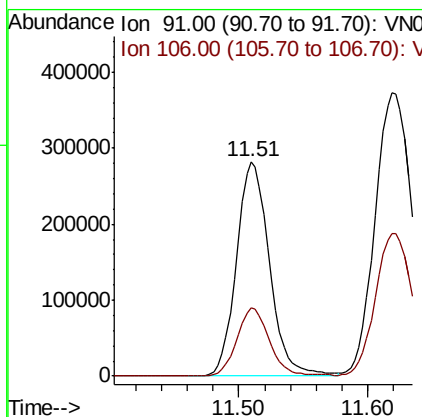
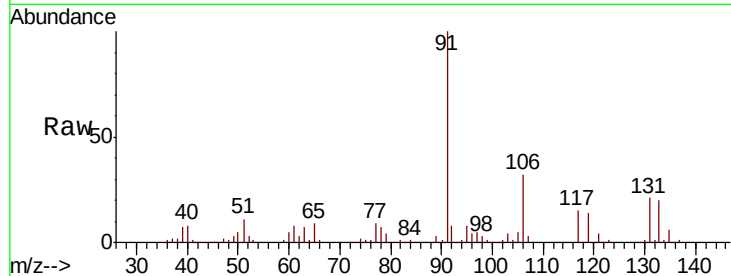




#67
Ethyl Benzene
Concen: 19.795 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

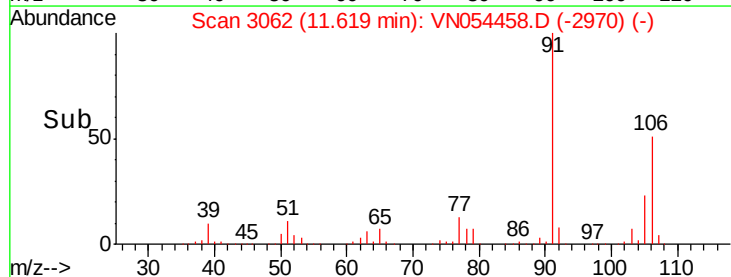
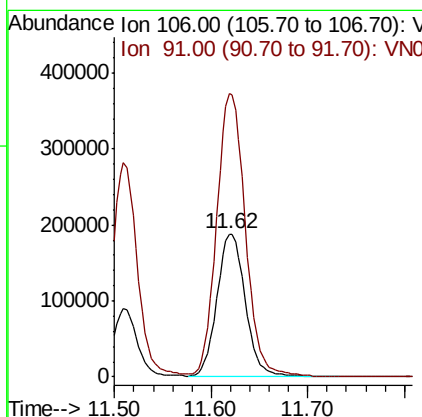
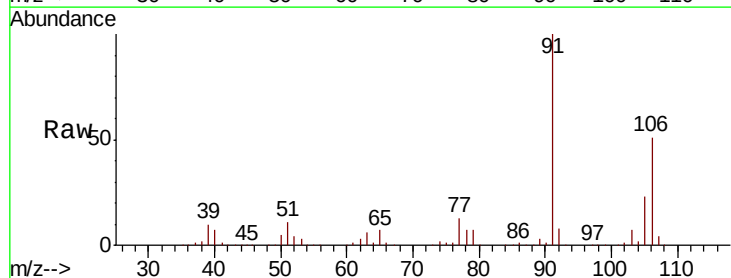
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

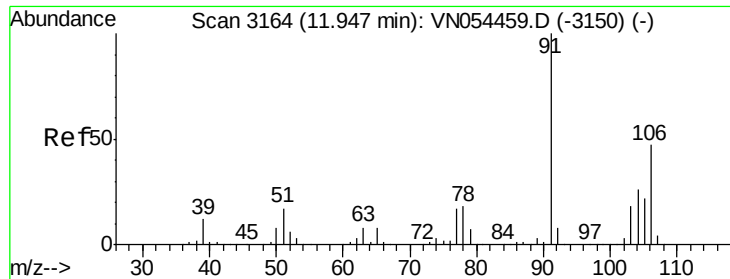
Tgt Ion: 91 Resp: 503258
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3



#68
m/p-Xylenes
Concen: 38.772 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 106 Resp: 385267
Ion Ratio Lower Upper
106 100
91 200.5 159.4 239.2

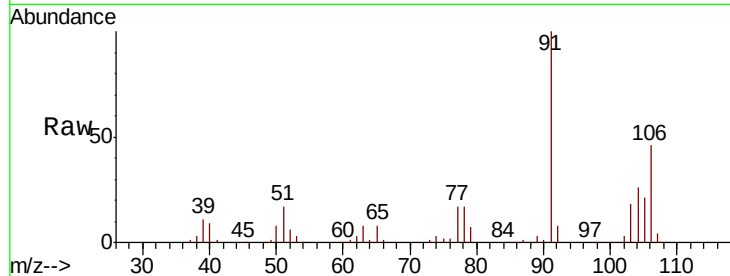




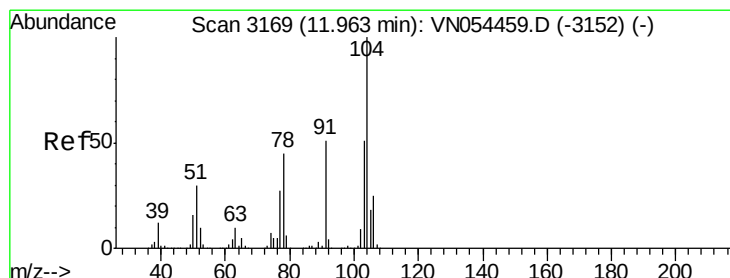
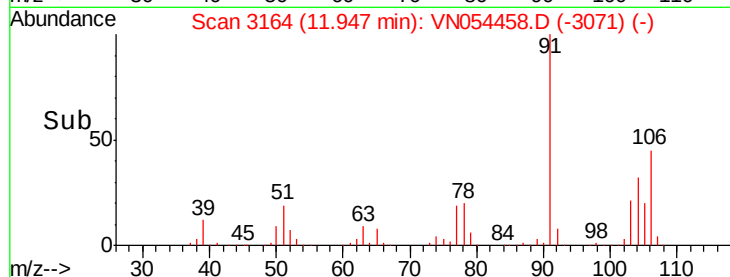
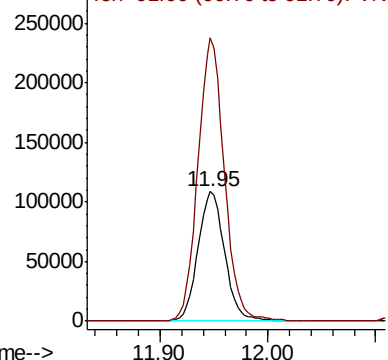
#69
o-Xylene
Concen: 19.374 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion:106 Resp: 187673
Ion Ratio Lower Upper
106 100
91 216.3 105.7 317.1

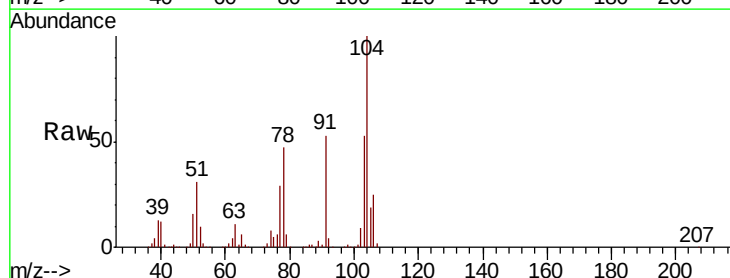


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

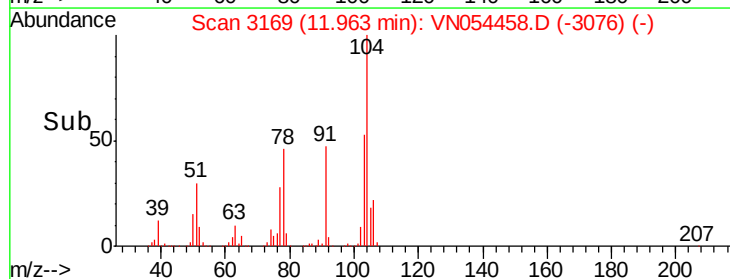
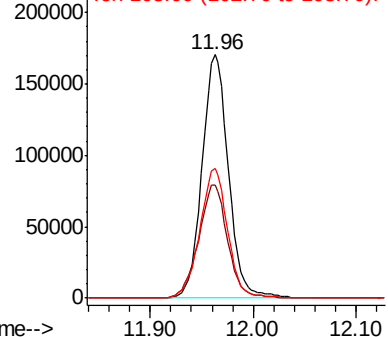


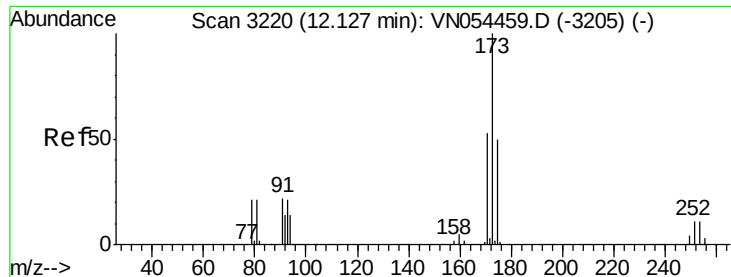
#70
Styrene
Concen: 20.009 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Tgt Ion:104 Resp: 303975
Ion Ratio Lower Upper
104 100
78 50.9 38.2 57.2
103 56.0 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 16.442 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

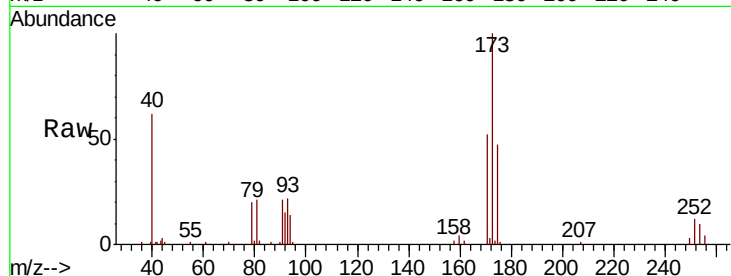
Tgt Ion:173 Resp: 60637

Ion Ratio Lower Upper

173 100

175 47.5 24.4 73.2

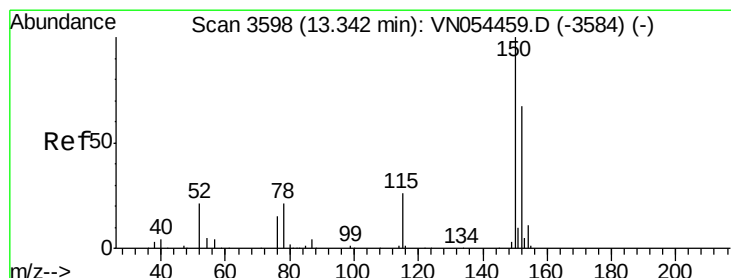
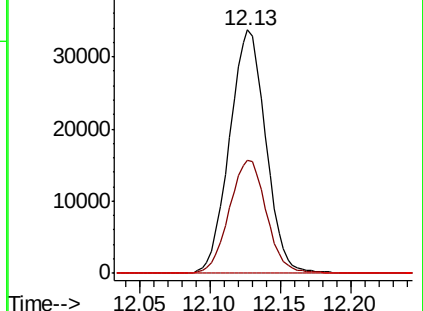
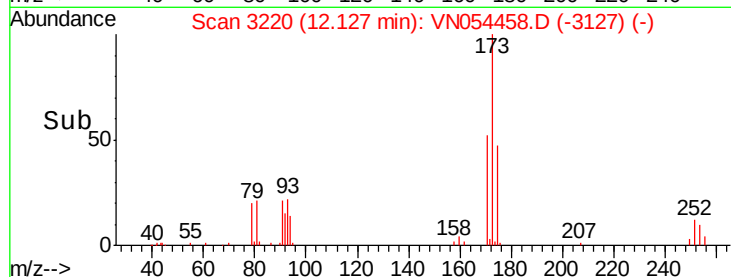
254 0.0 0.1 0.1#



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: VN054458.D

Acq: 20 Mar 2019 11:14

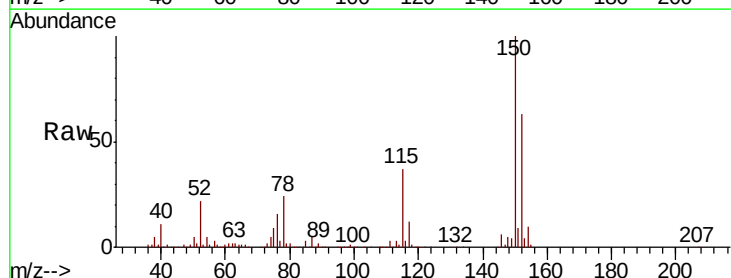
Tgt Ion:152 Resp: 303053

Ion Ratio Lower Upper

152 100

115 57.7 27.2 81.6

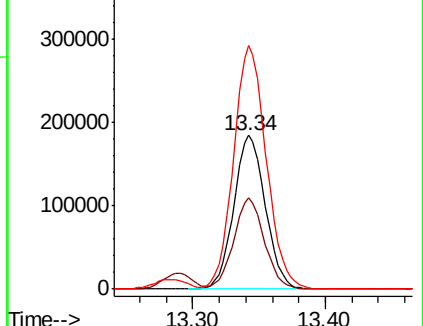
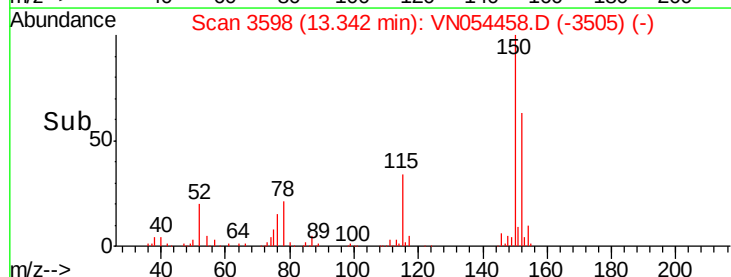
150 164.6 0.0 349.2

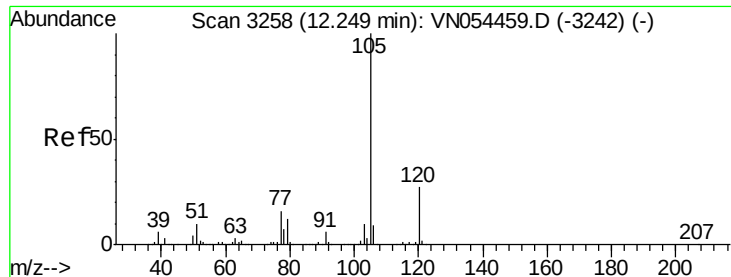


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.315 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

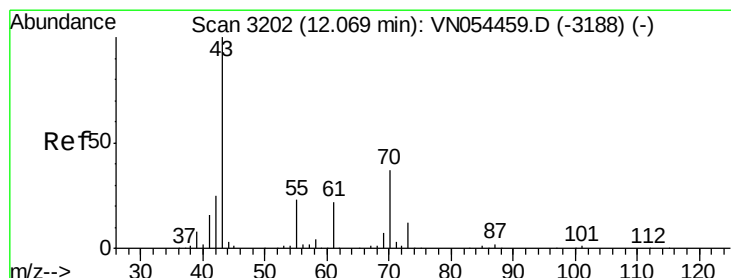
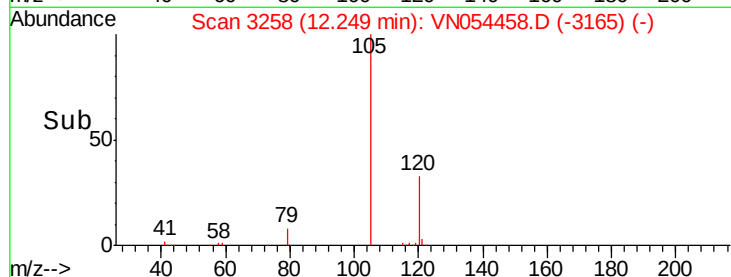
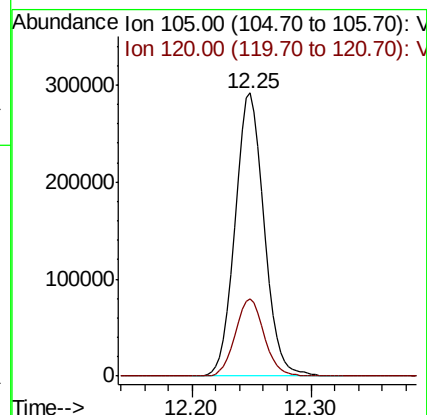
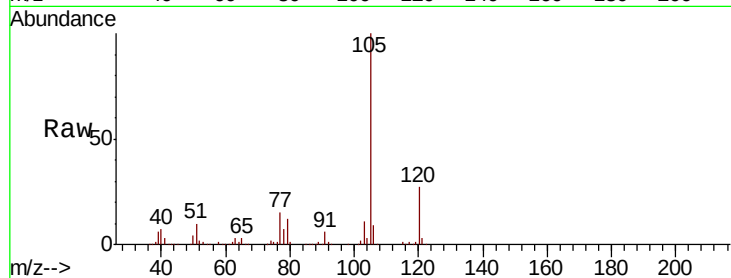
VSTDIC020

Tgt Ion: 105 Resp: 492562

Ion Ratio Lower Upper

105 100

120 27.2 13.8 41.3



#74

N-ethyl acetate

Concen: 27.545 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Tgt Ion: 43 Resp: 148244

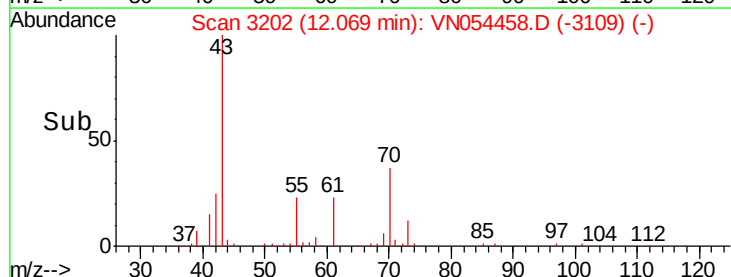
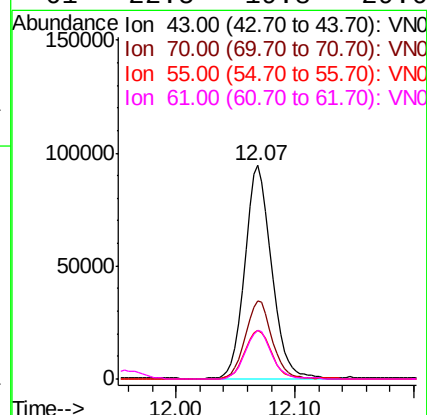
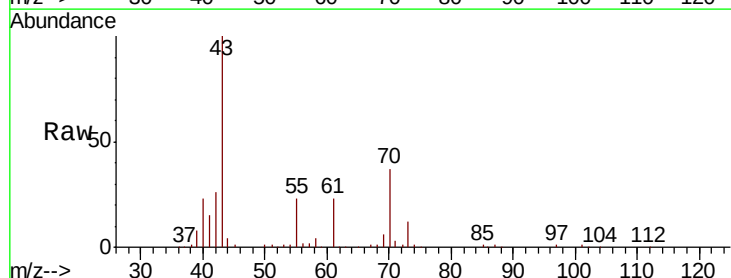
Ion Ratio Lower Upper

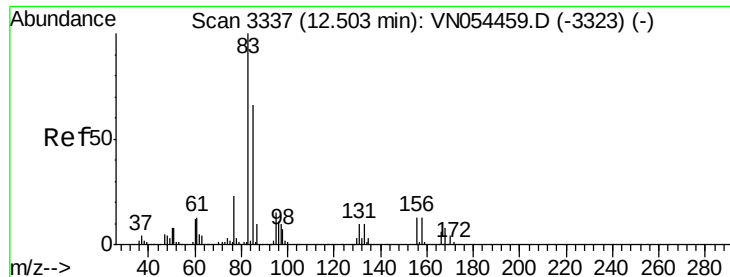
43 100

70 36.5 35.4 53.0

55 22.9 19.8 29.6

61 22.5 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.725 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

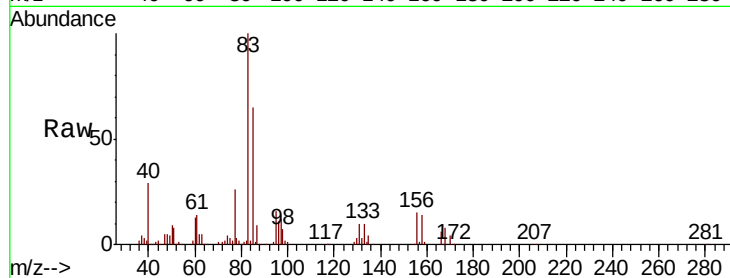
Tgt Ion: 83 Resp: 112226

Ion Ratio Lower Upper

83 100

131 11.1 5.8 17.4

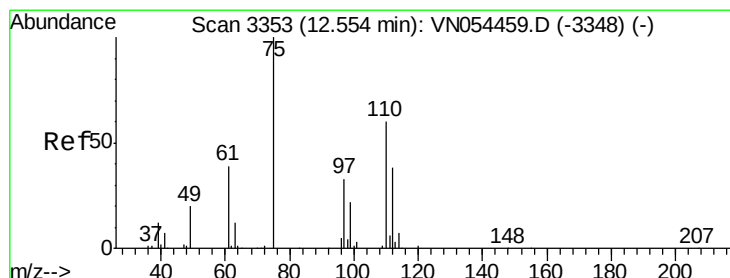
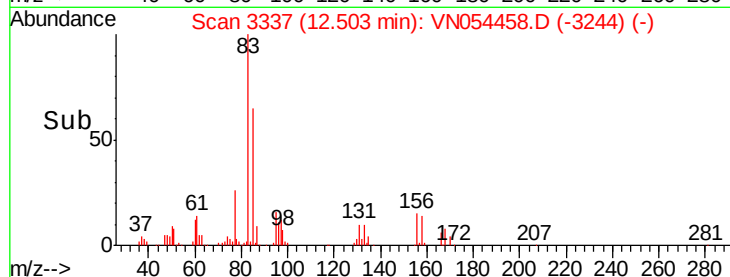
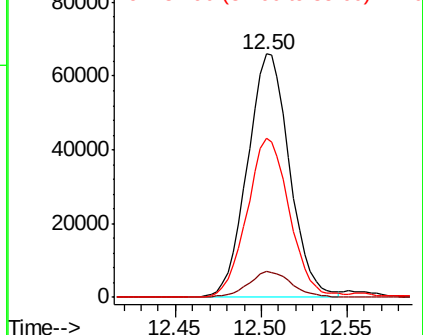
85 65.9 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054458.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054458.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054458.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 30.650 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054458.D

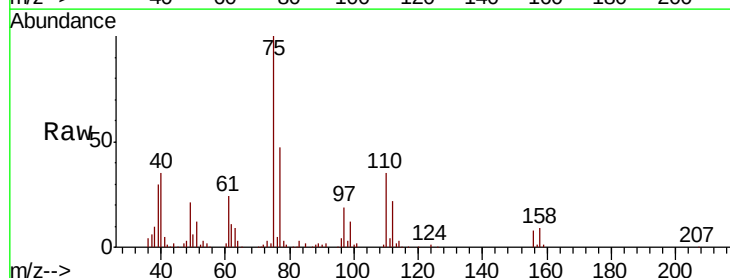
Acq: 20 Mar 2019 11:14

Tgt Ion: 75 Resp: 136592

Ion Ratio Lower Upper

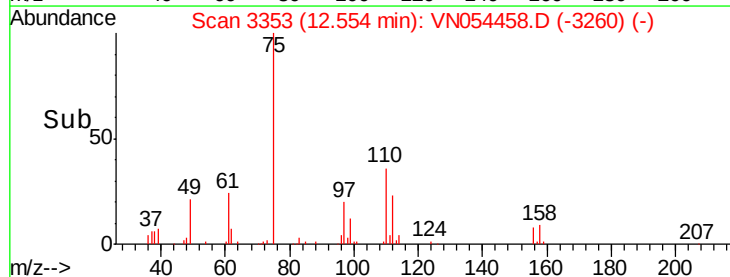
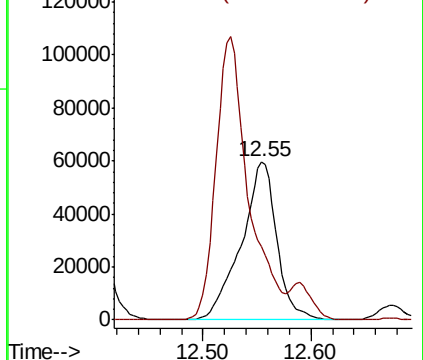
75 100

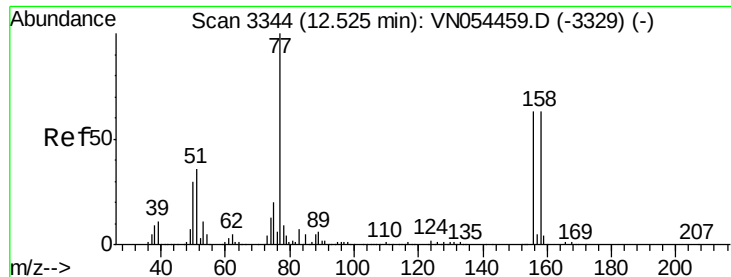
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054458.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN054458.D (-3353) (-)





#77

Bromobenzene

Concen: 18.454 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

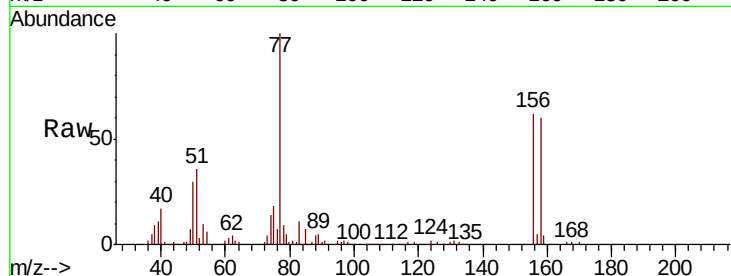
Tgt Ion:156 Resp: 118396

Ion Ratio Lower Upper

156 100

77 189.8 81.5 244.4

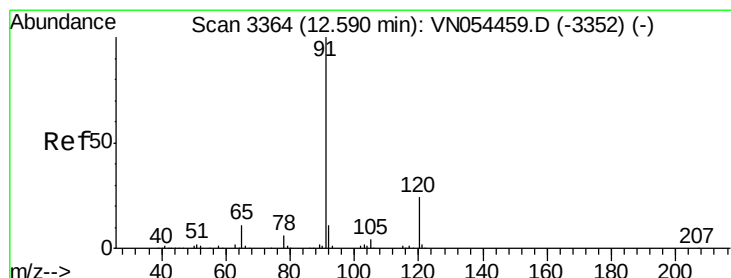
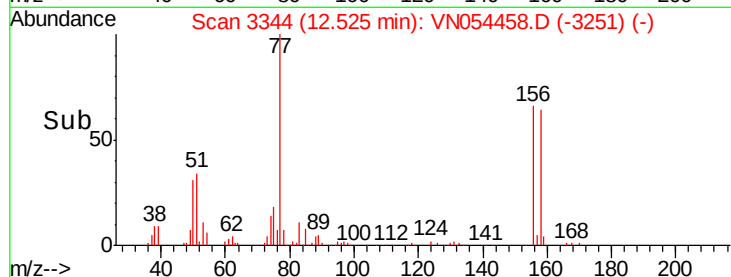
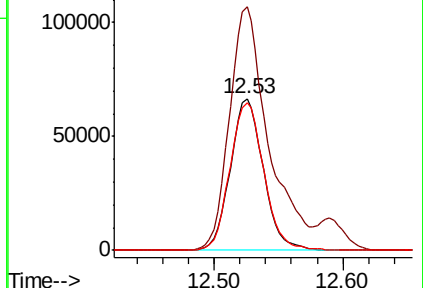
158 99.6 49.0 147.2



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: 20.225 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054458.D

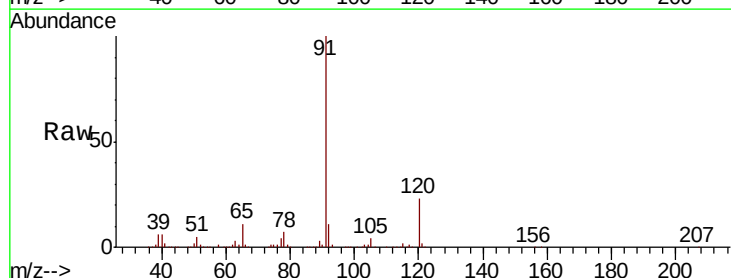
Acq: 20 Mar 2019 11:14

Tgt Ion: 91 Resp: 532098

Ion Ratio Lower Upper

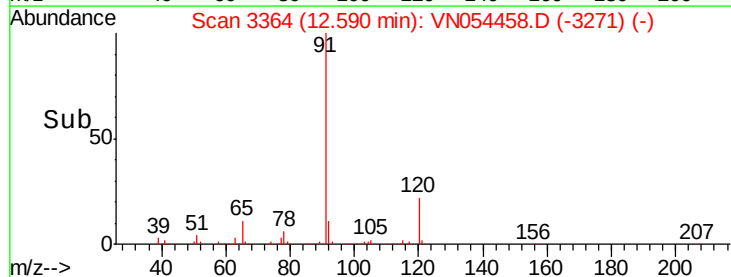
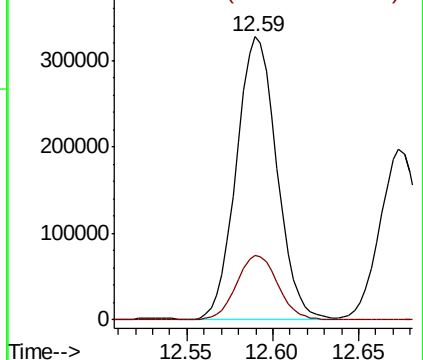
91 100

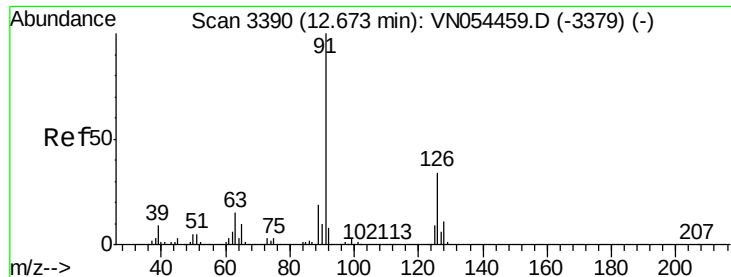
120 23.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.821 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

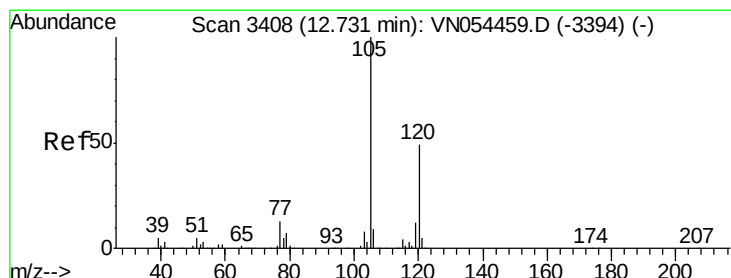
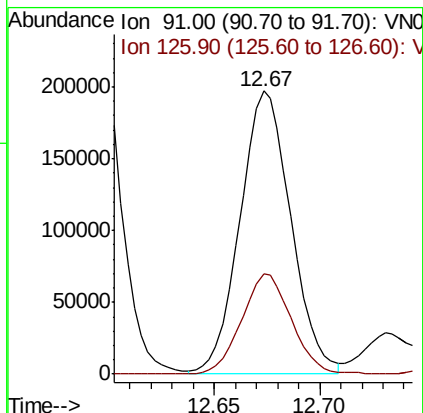
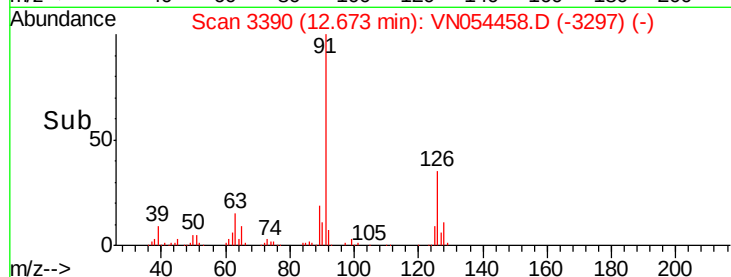
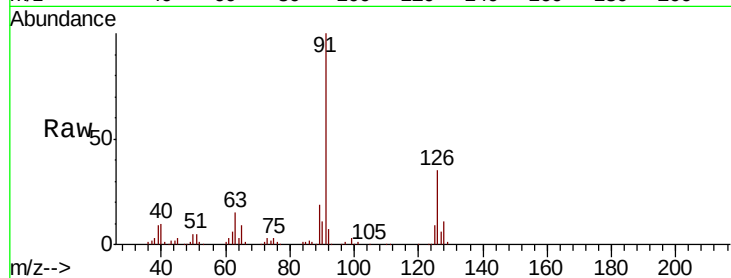
VSTDIC020

Tgt Ion: 91 Resp: 329358

Ion Ratio Lower Upper

91 100

126 34.8 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 19.949 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054458.D

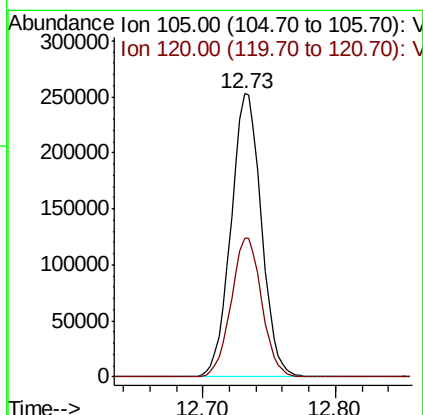
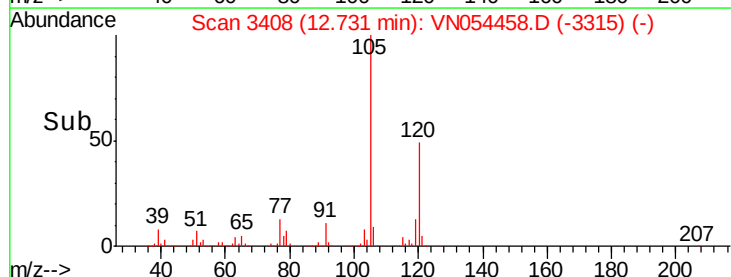
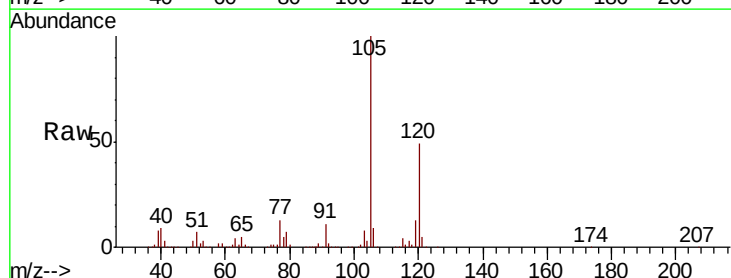
Acq: 20 Mar 2019 11:14

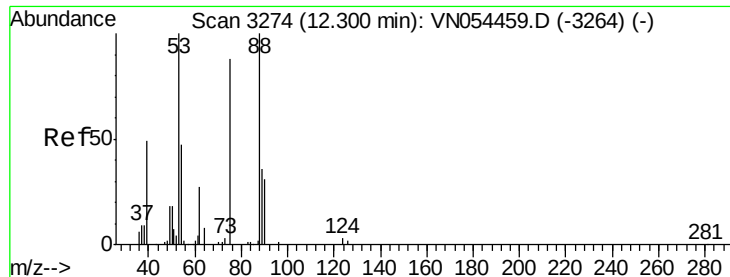
Tgt Ion: 105 Resp: 402335

Ion Ratio Lower Upper

105 100

120 49.3 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.246 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

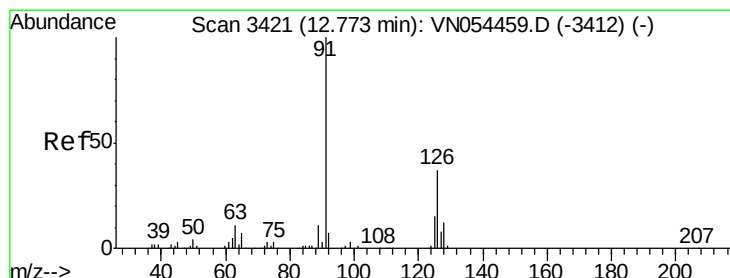
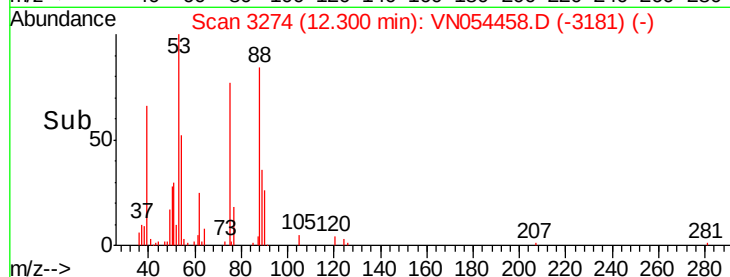
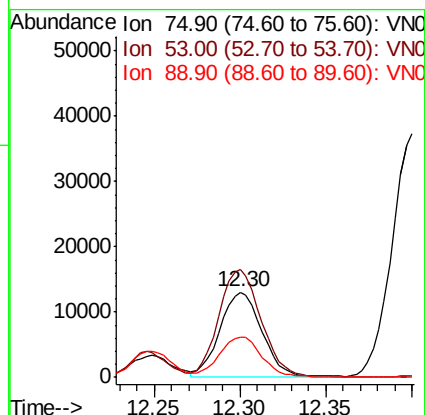
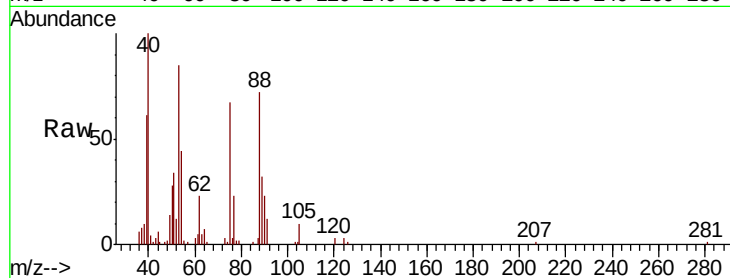
Tgt Ion: 75 Resp: 22483

Ion Ratio Lower Upper

75 100

53 122.7 76.2 114.2#

89 47.0 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.253 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054458.D

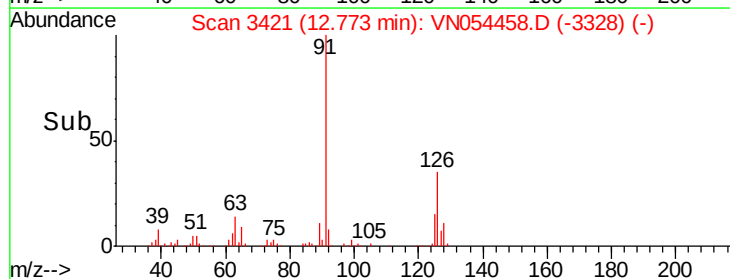
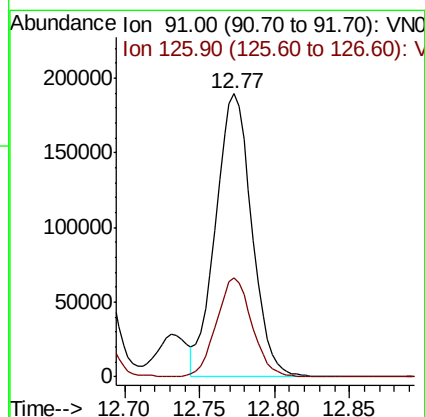
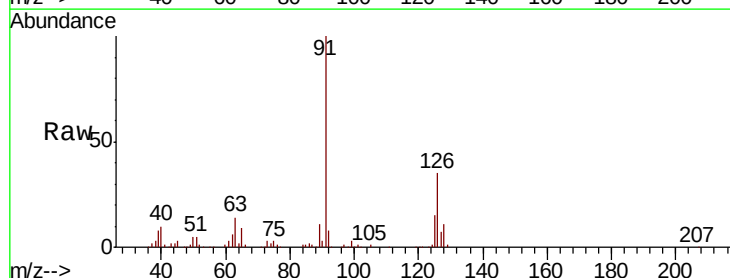
Acq: 20 Mar 2019 11:14

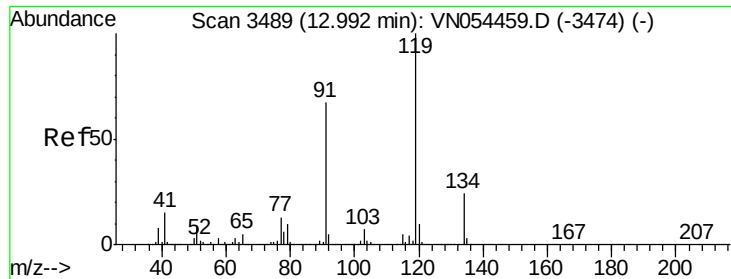
Tgt Ion: 91 Resp: 319910

Ion Ratio Lower Upper

91 100

126 34.2 18.1 54.1

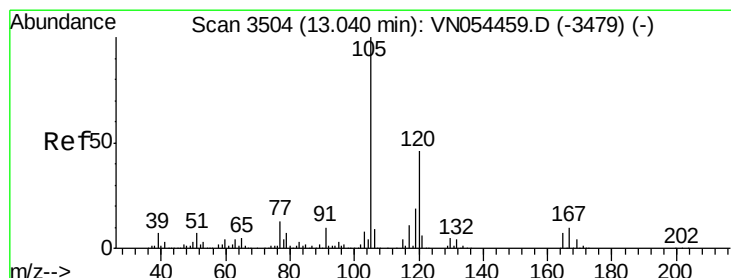
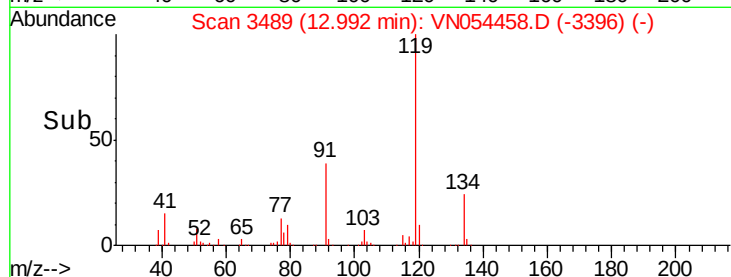
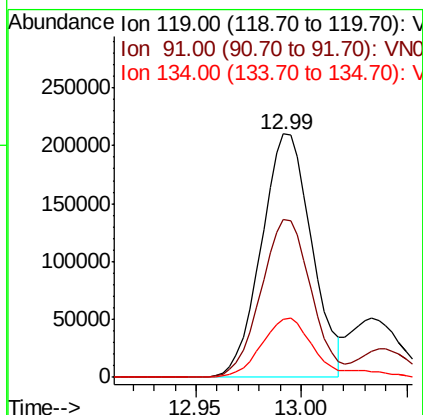
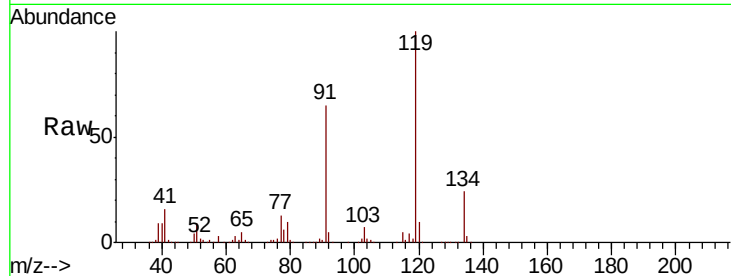




#83
 tert-Butylbenzene
 Concen: 18.786 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

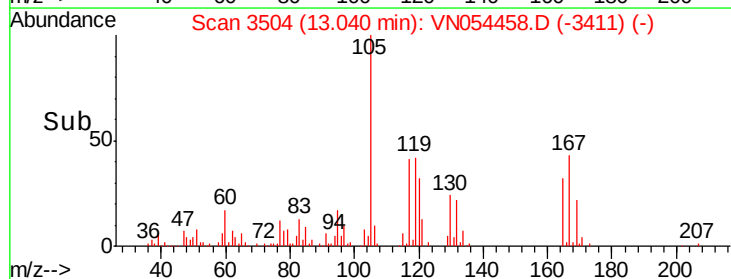
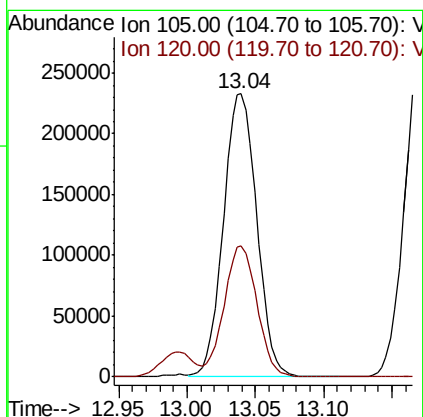
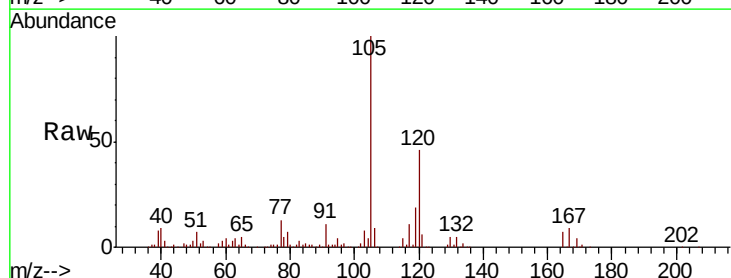
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

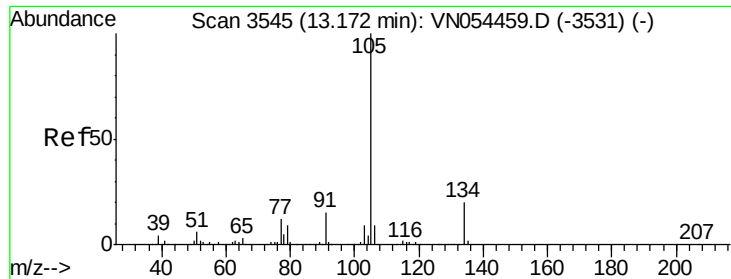
Tgt Ion:119 Resp: 348724
 Ion Ratio Lower Upper
 119 100
 91 64.6 30.9 92.8
 134 24.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.989 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

Tgt Ion:105 Resp: 395486
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.4 70.3





#85

sec-Butylbenzene

Concen: 18.017 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

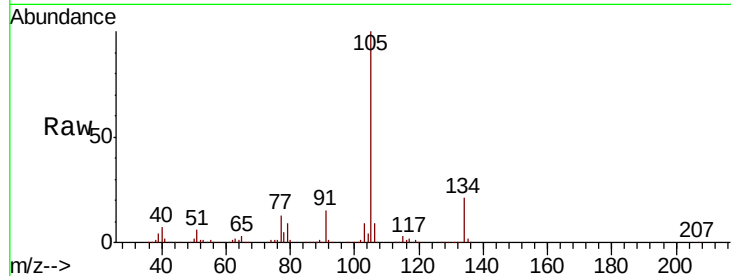
VSTDIC020

Tgt Ion:105 Resp: 433730

Ion Ratio Lower Upper

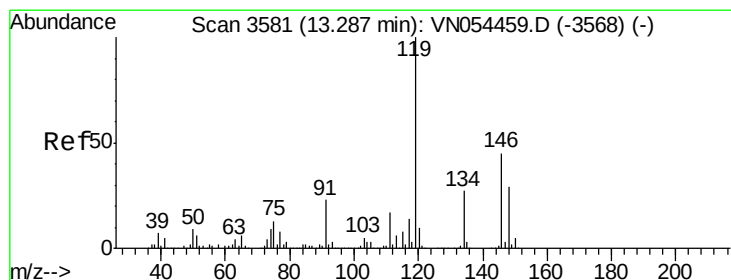
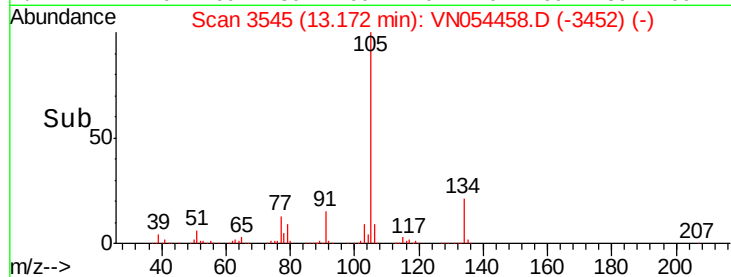
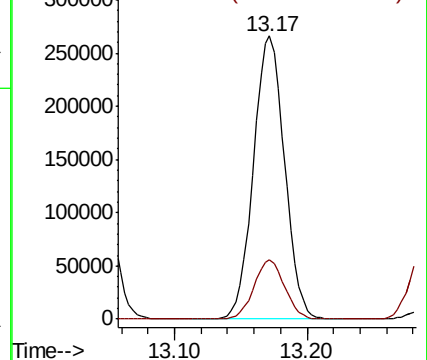
105 100

134 20.7 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: 18.412 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

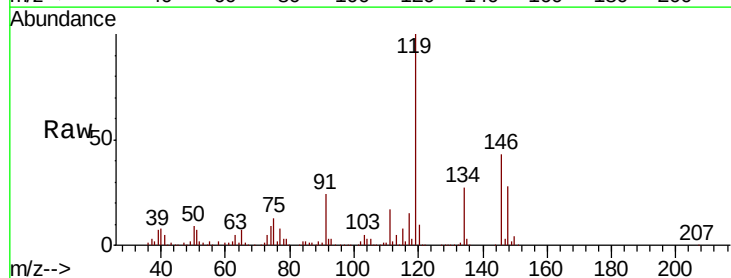
Tgt Ion:119 Resp: 388861

Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

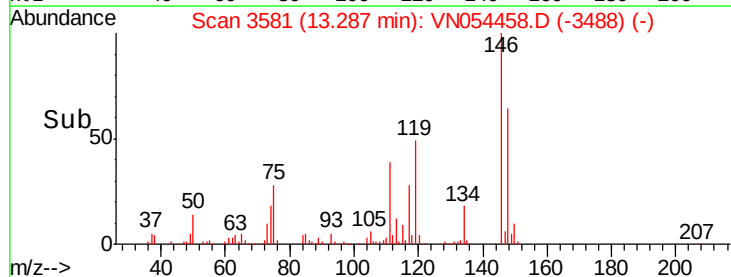
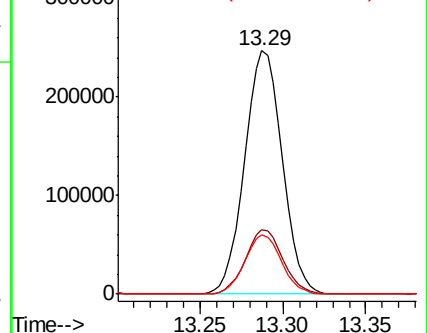
91 23.8 11.1 33.3

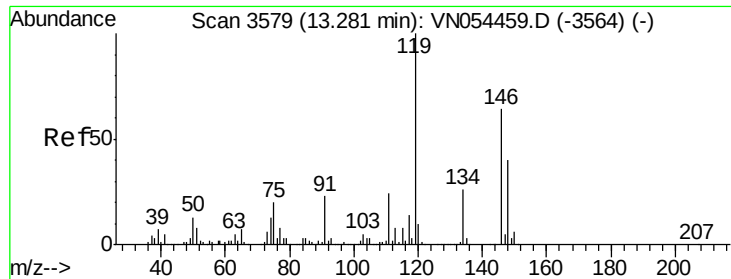


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.476 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

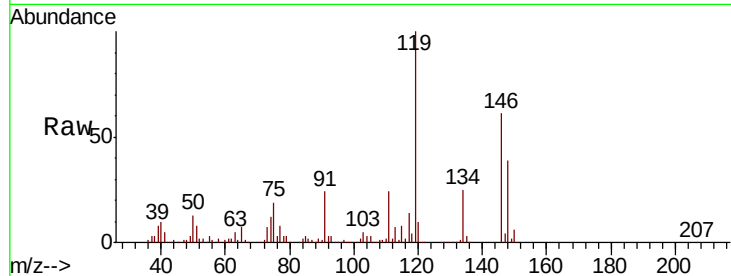
Tgt Ion:146 Resp: 199747

Ion Ratio Lower Upper

146 100

111 38.8 18.8 56.3

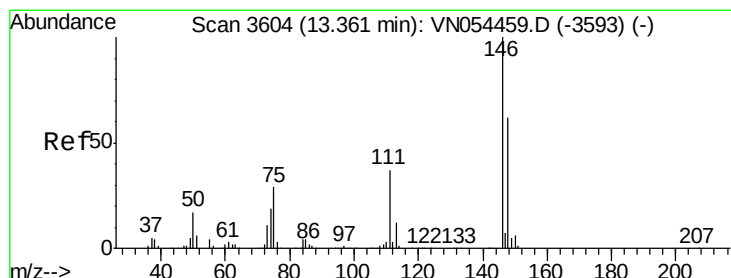
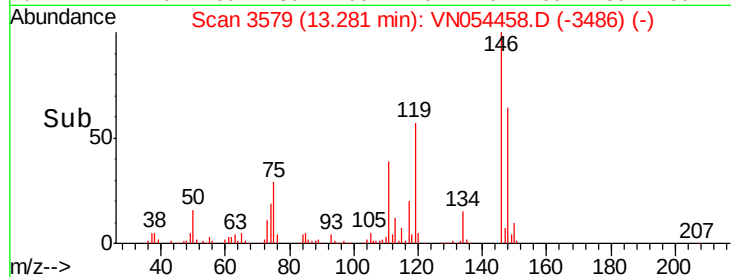
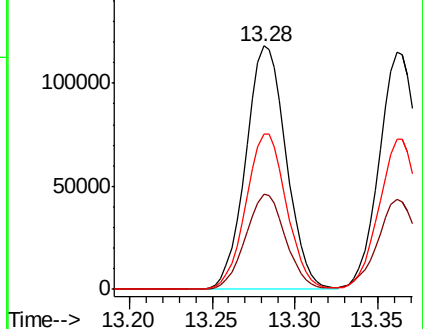
148 64.0 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 18.142 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

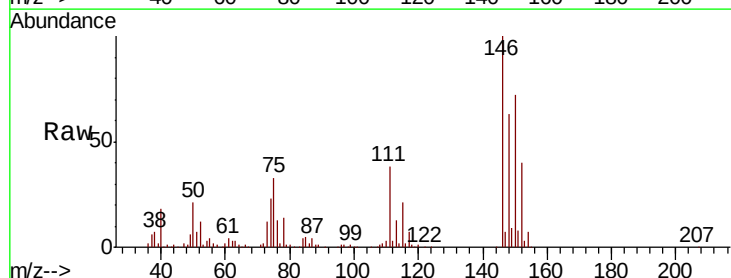
Tgt Ion:146 Resp: 192673

Ion Ratio Lower Upper

146 100

111 39.1 18.1 54.1

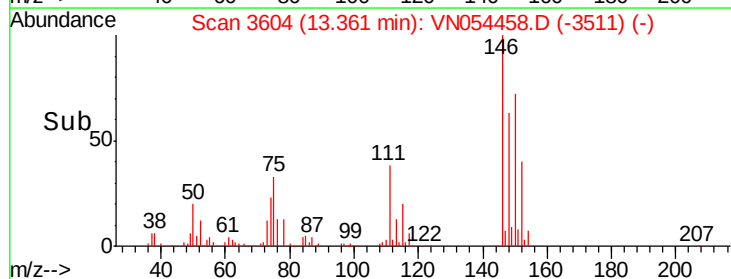
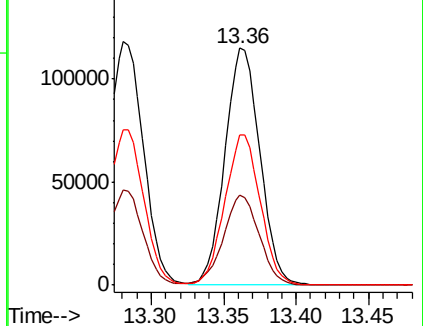
148 64.5 32.0 96.0

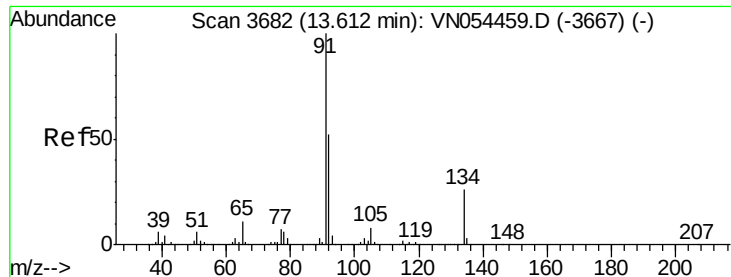


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

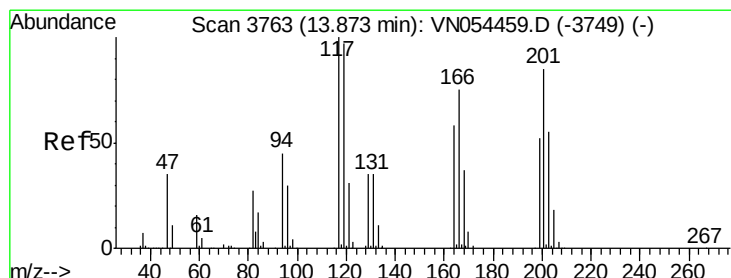
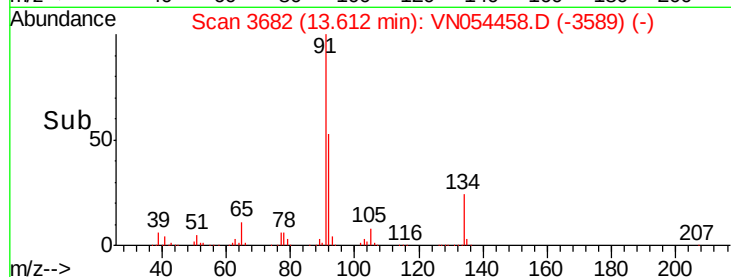
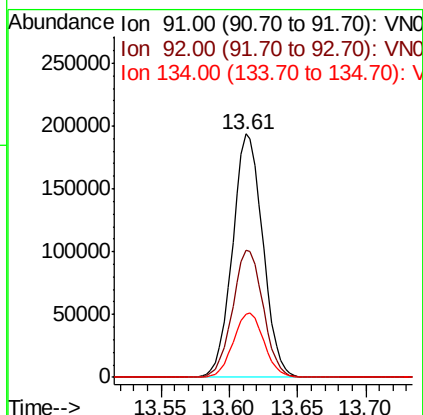
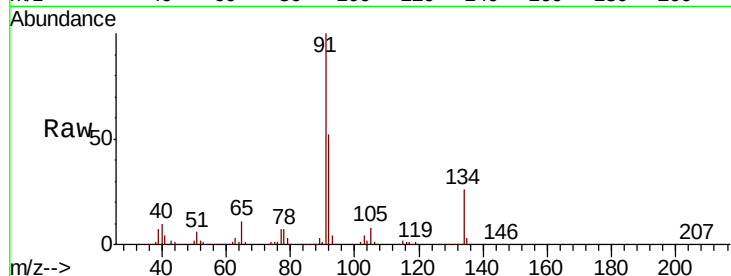




#89
n-Butylbenzene
Concen: 18.610 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

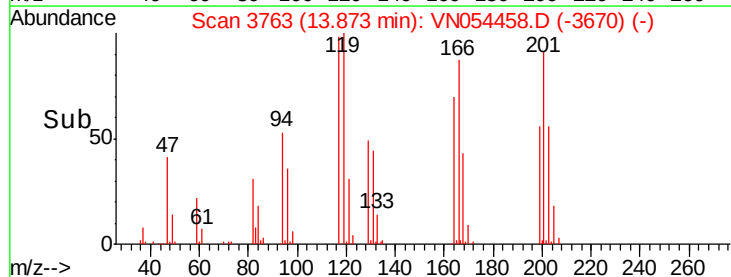
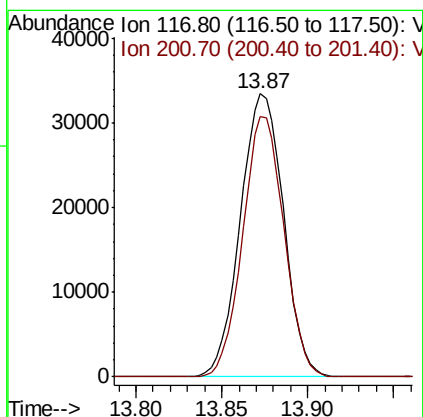
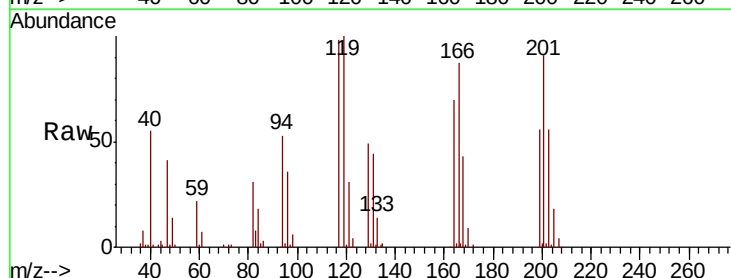
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

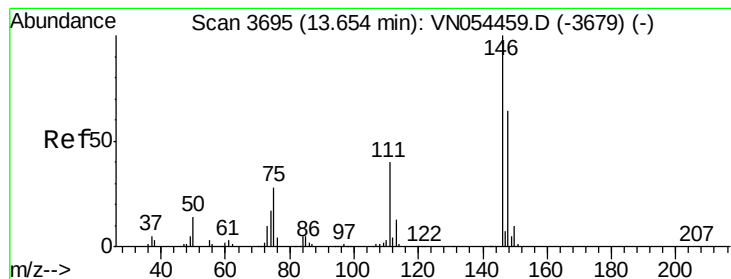
Tgt Ion: 91 Resp: 298634
Ion Ratio Lower Upper
91 100
92 52.8 26.2 78.6
134 26.9 14.3 42.9



#90
Hexachloroethane
Concen: 16.685 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Tgt Ion: 117 Resp: 58350
Ion Ratio Lower Upper
117 100
201 87.8 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 18.869 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

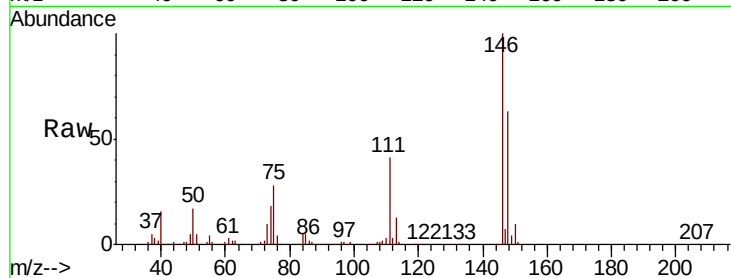
Tgt Ion:146 Resp: 199426

Ion Ratio Lower Upper

146 100

111 40.9 19.1 57.3

148 63.2 32.4 97.0

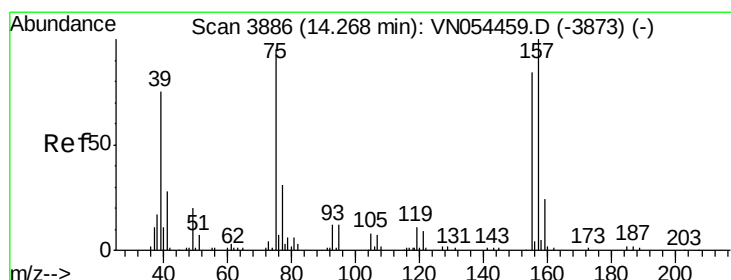
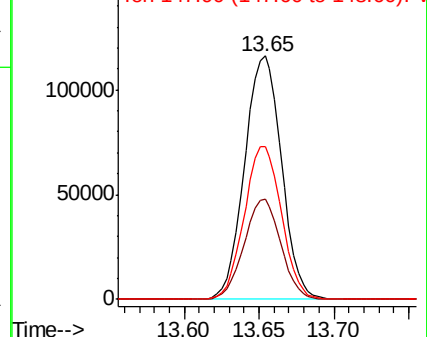
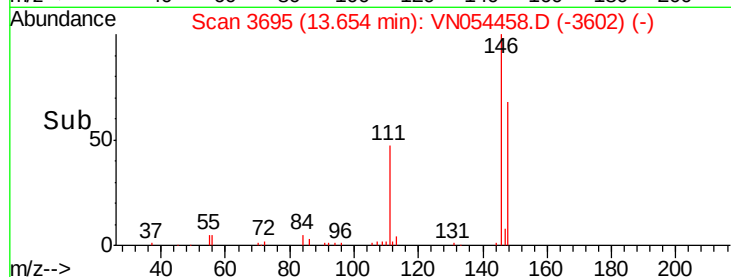


Abundance

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: 20.621 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN054458.D

Acq: 20 Mar 2019 11:14

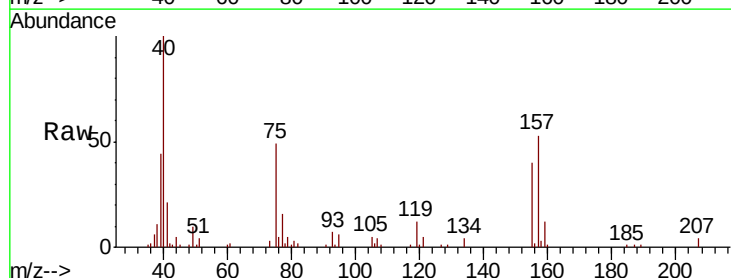
Tgt Ion: 75 Resp: 16484

Ion Ratio Lower Upper

75 100

155 88.2 50.1 150.3

157 110.7 63.1 189.3

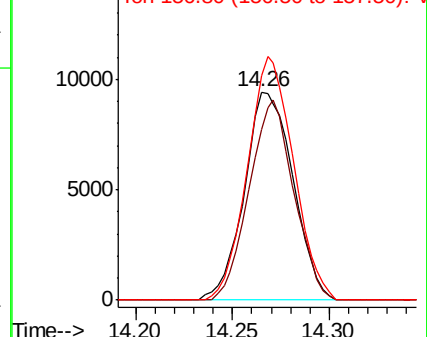
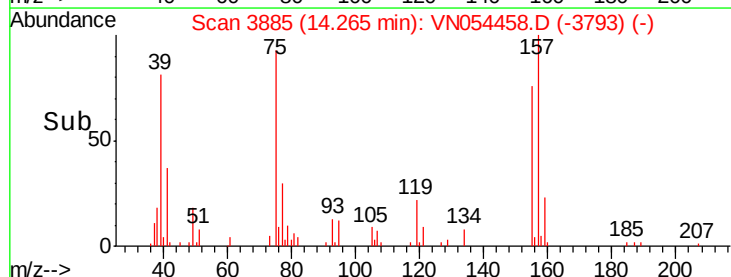


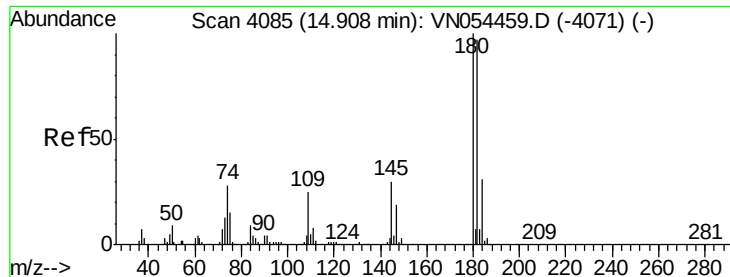
Abundance

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

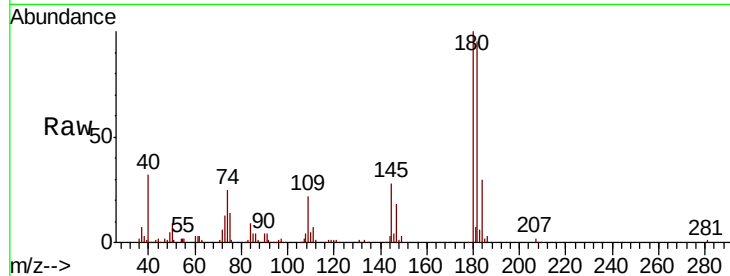




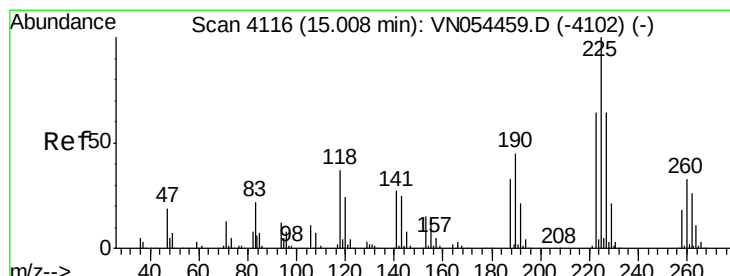
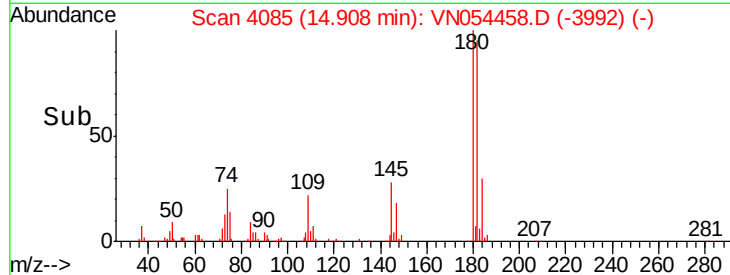
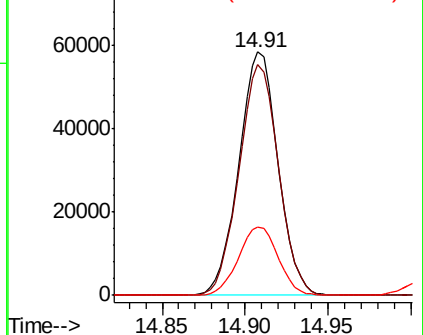
#93
 1,2,4-Trichlorobenzene
 Concen: 17.572 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 95981
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.0 144.2
 145 28.5 14.2 42.8

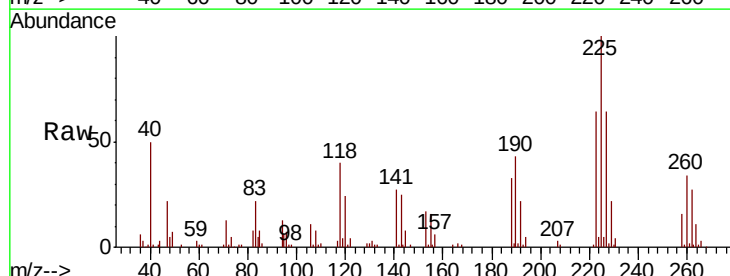


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

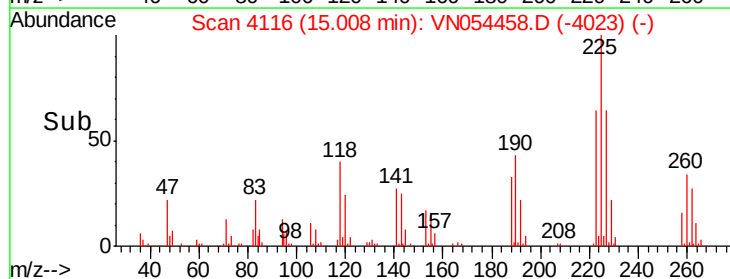
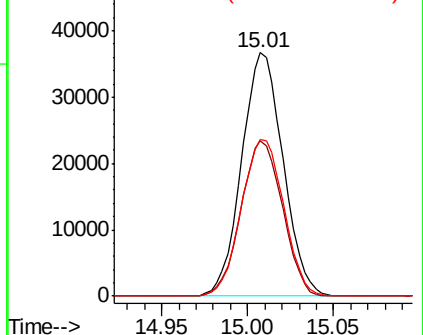


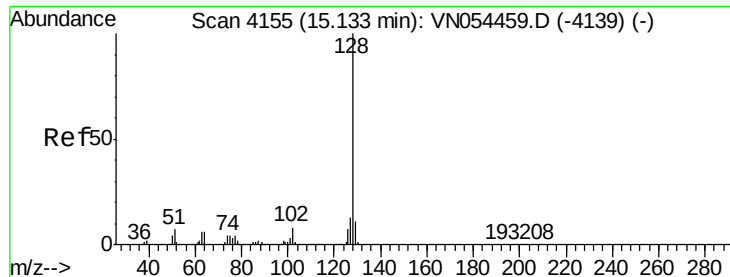
#94
 Hexachlorobutadiene
 Concen: 15.277 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054458.D
 Acq: 20 Mar 2019 11:14

Tgt Ion:225 Resp: 61500
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.1 93.5
 227 65.8 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

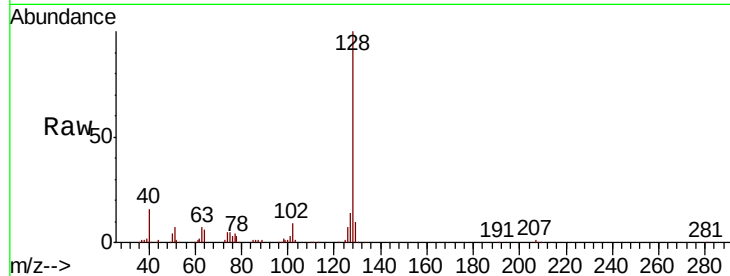




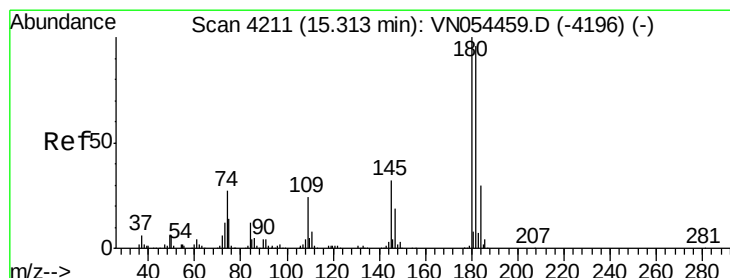
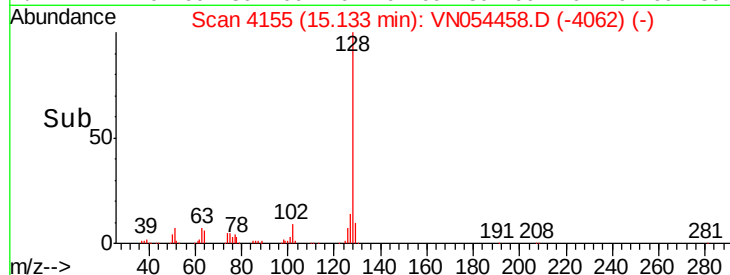
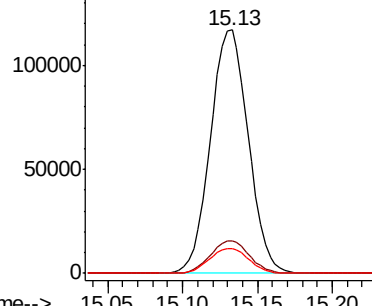
#95
Naphthalene
Concen: 18.401 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 206743
Ion Ratio Lower Upper
128 100
127 13.7 10.1 15.1
129 10.8 8.7 13.1

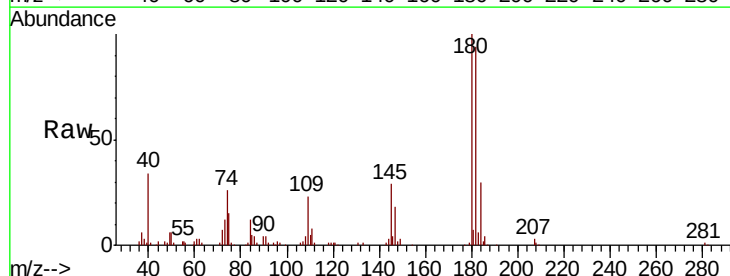


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.062 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054458.D
Acq: 20 Mar 2019 11:14

Tgt Ion:180 Resp: 95810
Ion Ratio Lower Upper
180 100
182 96.0 47.5 142.6
145 31.0 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

