

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030619\
 Data File : VN054112.D
 Acq On : 6 Mar 2019 11:02
 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 07 05:56:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 05:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	606961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	977232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	828851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	357127	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	152671	20.94	ug/l	0.00
Spiked Amount			Recovery	=	41.88%	
35) Dibromofluoromethane	7.59	113	134516	21.19	ug/l	0.00
Spiked Amount			Recovery	=	42.38%	
50) Toluene-d8	10.09	98	493352	20.47	ug/l	0.00
Spiked Amount			Recovery	=	40.94%	
62) 4-Bromofluorobenzene	12.40	95	153948	19.62	ug/l	0.00
Spiked Amount			Recovery	=	39.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	110784	18.991	ug/l	97
3) Chloromethane	2.06	50	153186	18.326	ug/l	99
4) Vinyl Chloride	2.18	62	152391	19.282	ug/l	99
5) Bromomethane	2.57	94	88152	17.202	ug/l	97
6) Chloroethane	2.71	64	91312	19.061	ug/l	99
7) Trichlorofluoromethane	3.02	101	189648	19.641	ug/l	98
8) Diethyl Ether	3.41	74	70600	18.349	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	120468	19.177	ug/l	100
10) Methyl Iodide	3.95	142	125381	18.808	ug/l	99
11) Tert butyl alcohol	4.78	59	39519	89.113	ug/l	99
12) 1,1-Dichloroethene	3.74	96	113206	19.318	ug/l	98
13) Acrolein	3.61	56	37542	96.259	ug/l	100
14) Allyl chloride	4.32	41	204250	19.344	ug/l	99
15) Acrylonitrile	4.99	53	229736	91.779	ug/l	97
16) Acetone	3.81	43	212269	94.121	ug/l	99
17) Carbon Disulfide	4.05	76	343918	17.993	ug/l	99
18) Methyl Acetate	4.32	43	100622	17.500	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	308853	18.780	ug/l	100
20) Methylene Chloride	4.55	84	135509	18.909	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	122055	18.973	ug/l	98
22) Diisopropyl ether	5.95	45	401267	19.504	ug/l	93
23) Vinyl Acetate	5.90	43	1357254	92.874	ug/l	99
24) 1,1-Dichloroethane	5.85	63	239633	19.468	ug/l	99
25) 2-Butanone	6.83	43	277746	92.982	ug/l	98
26) 2,2-Dichloropropane	6.82	77	171813	19.366	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	139686	19.472	ug/l	99
28) Bromochloromethane	7.19	49	129082	21.011	ug/l	99
29) Tetrahydrofuran	7.21	42	175058	89.412	ug/l	99
30) Chloroform	7.37	83	234636	19.894	ug/l	97
31) Cyclohexane	7.65	56	222245	16.630	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	190094	19.440	ug/l	100
36) 1,1-Dichloropropene	7.79	75	170168	18.552	ug/l	100
37) Ethyl Acetate	6.93	43	117744	17.905	ug/l	100
38) Carbon Tetrachloride	7.77	117	167267	19.102	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	199755	18.870	ug/l	98
40) Benzene	8.04	78	529551	19.514	ug/l	99
41) Methacrylonitrile	7.17	41	61373	15.352	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	166017	19.313	ug/l	99
43) Isopropyl Acetate	8.16	43	195033	19.082	ug/l	99
44) Trichloroethene	8.83	130	142136	19.533	ug/l	96
45) 1,2-Dichloropropane	9.12	63	145232	19.403	ug/l	99
46) Dibromomethane	9.21	93	82706	19.356	ug/l	98
47) Bromodichloromethane	9.40	83	174882	19.552	ug/l	96
48) Methyl methacrylate	9.20	41	92326	18.293	ug/l	99
49) 1,4-Dioxane	9.20	88	26470	396.884	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	525256	89.698	ug/l	100
52) Toluene	10.16	92	314466	19.559	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	163602	18.544	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	200294	19.209	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	116690	19.274	ug/l	99
56) Ethyl methacrylate	10.43	69	126172	17.753	ug/l	99
57) 1,3-Dichloropropane	10.71	76	200936	19.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	295386	90.803	ug/l	100
59) 2-Hexanone	10.75	43	340503	88.142	ug/l	100
60) Dibromochloromethane	10.90	129	126314	19.513	ug/l	100
61) 1,2-Dibromoethane	11.01	107	110410	19.166	ug/l	98
64) Tetrachloroethene	10.63	164	141219	20.761	ug/l	99
65) Chlorobenzene	11.43	112	331026	19.191	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	123179	19.950	ug/l	99
67) Ethyl Benzene	11.51	91	560469	19.418	ug/l	99
68) m/p-Xylenes	11.62	106	432762	39.731	ug/l	100
69) o-Xylene	11.95	106	210087	20.044	ug/l	100
70) Styrene	11.96	104	326125	19.601	ug/l	99
71) Bromoform	12.13	173	82689	19.459	ug/l #	99
73) Isopropylbenzene	12.25	105	555363	19.544	ug/l	99
74) N-amyl acetate	12.07	43	135438	17.996	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	133542	18.056	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	161498	28.923	ug/l #	100
77) Bromobenzene	12.53	156	133741	18.268	ug/l	100
78) n-propylbenzene	12.59	91	621836	19.447	ug/l	99
79) 2-Chlorotoluene	12.67	91	381110	19.624	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	462455	20.020	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	31481	17.763	ug/l	96
82) 4-Chlorotoluene	12.77	91	371519	19.191	ug/l	100
83) tert-Butylbenzene	12.99	119	405120	19.804	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	463437	20.214	ug/l	100
85) sec-Butylbenzene	13.17	105	544907	19.629	ug/l	100
86) p-Isopropyltoluene	13.29	119	458388	19.641	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	233778	18.799	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	229292	18.579	ug/l	99
89) n-Butylbenzene	13.61	91	370634	18.809	ug/l	98
90) Hexachloroethane	13.87	117	85510	19.103	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	231180	18.674	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19104	18.426	ug/l	98

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Quant Title : SW846 8260
QLast Update : Thu Mar 07 05:44:36 2019
Response via : Initial Calibration

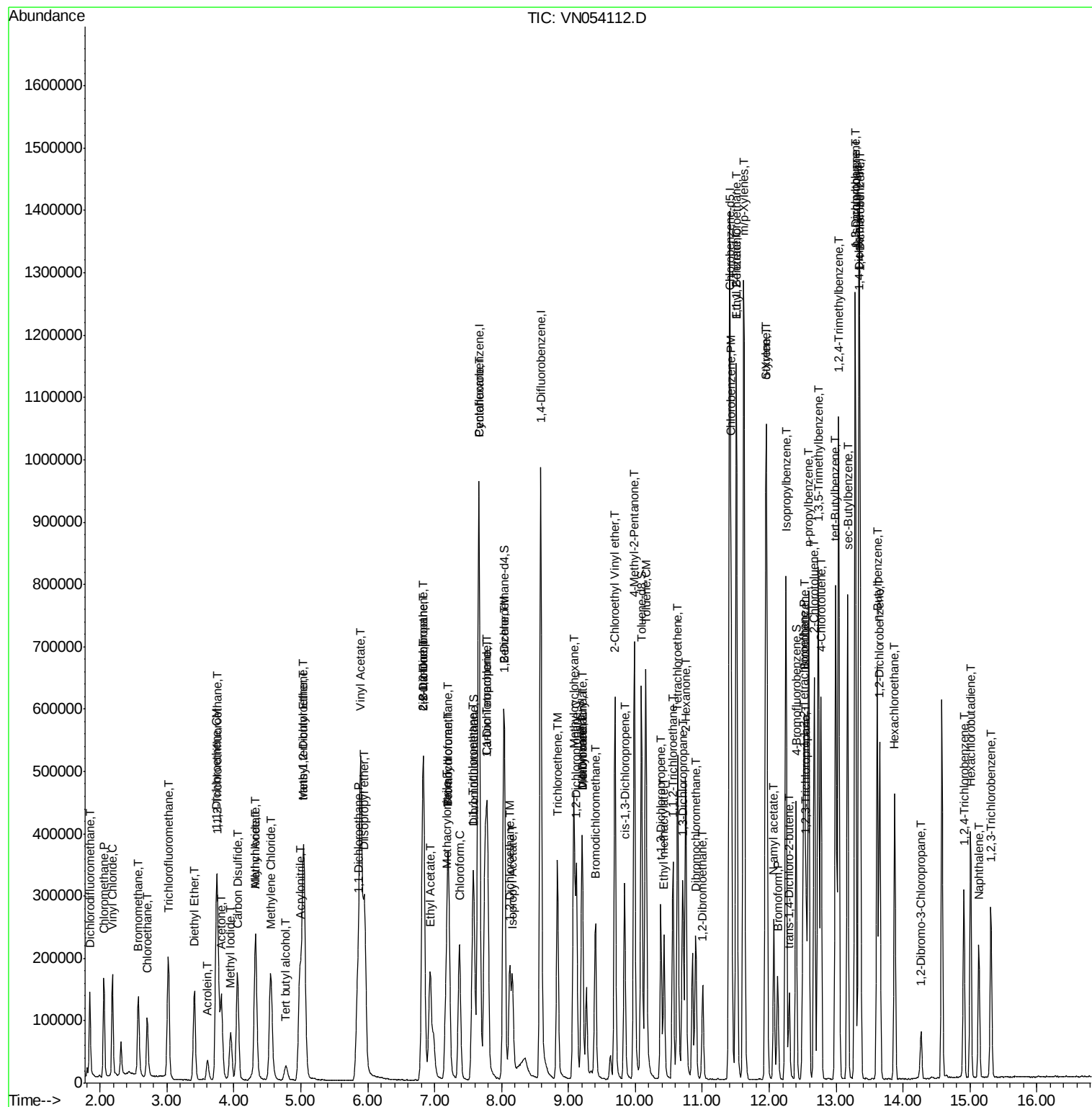
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101721	17.213	ug/l	99
94) Hexachlorobutadiene	15.01	225	81897	18.483	ug/l	100
95) Naphthalene	15.13	128	190942	15.666	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	103057	17.327	ug/l	99

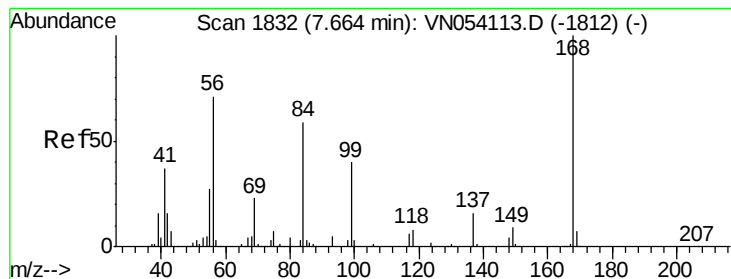
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN030619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

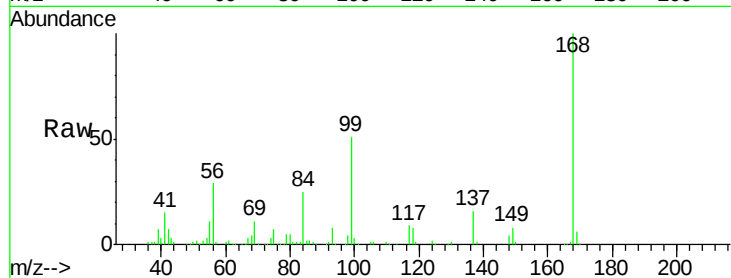
VSTDIC020

Tgt Ion:168 Resp: 606961

Ion Ratio Lower Upper

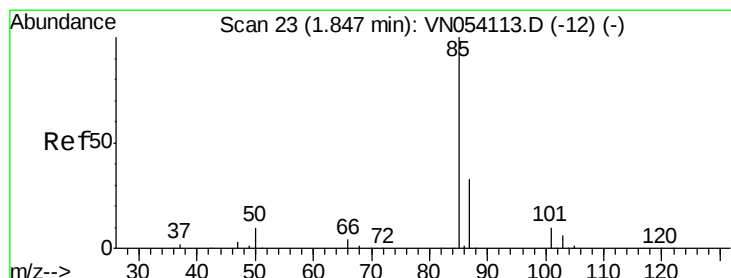
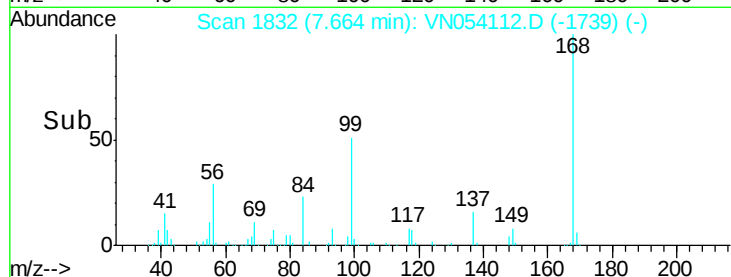
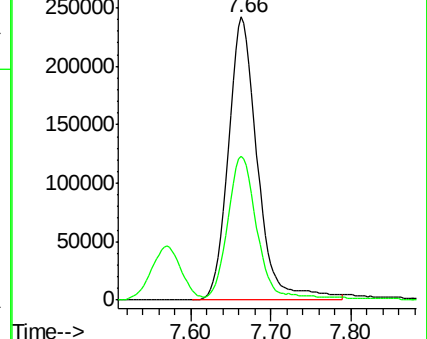
168 100

99 49.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.991 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054112.D

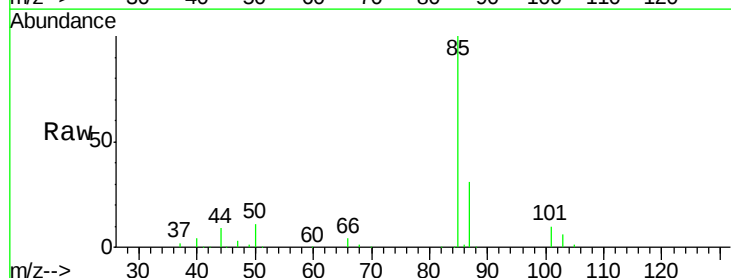
Acq: 6 Mar 2019 11:02

Tgt Ion: 85 Resp: 110784

Ion Ratio Lower Upper

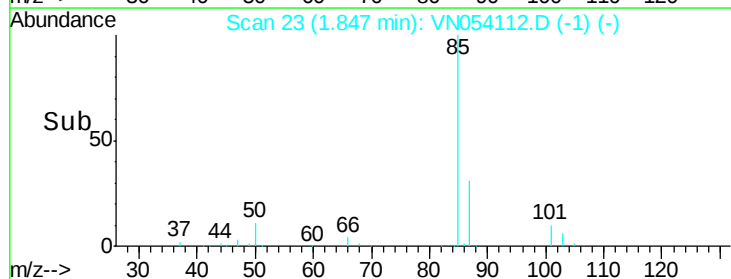
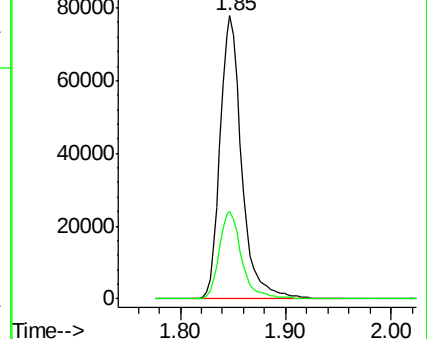
85 100

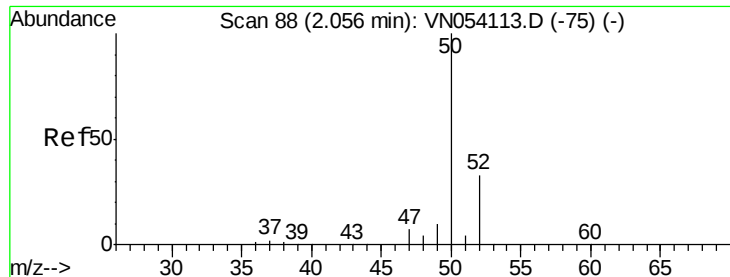
87 31.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.326 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

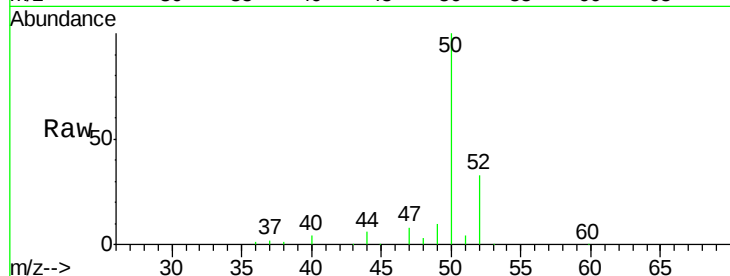
VSTDIC020

Tgt Ion: 50 Resp: 153186

Ion Ratio Lower Upper

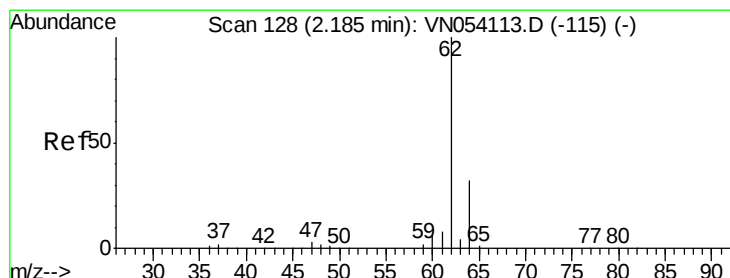
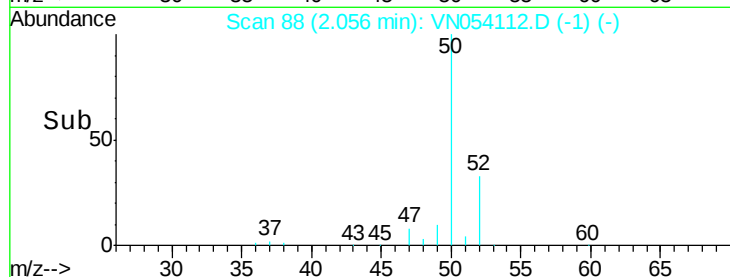
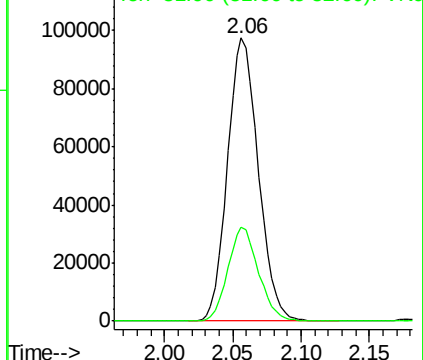
50 100

52 33.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.282 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN054112.D

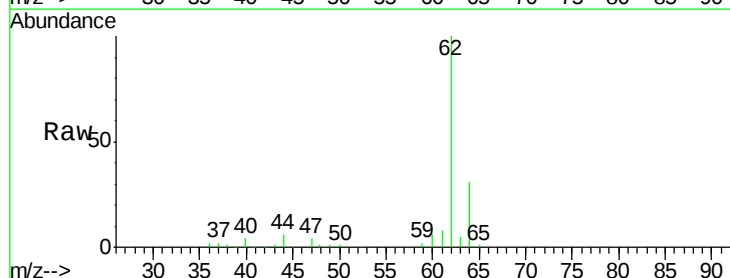
Acq: 6 Mar 2019 11:02

Tgt Ion: 62 Resp: 152391

Ion Ratio Lower Upper

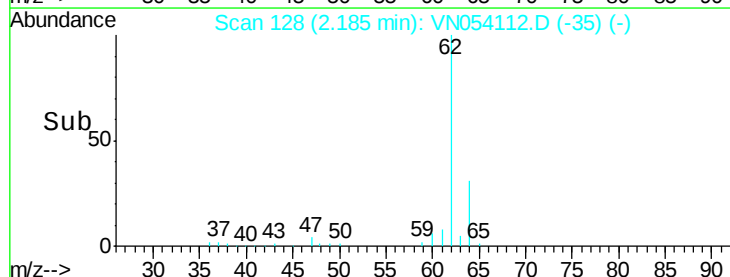
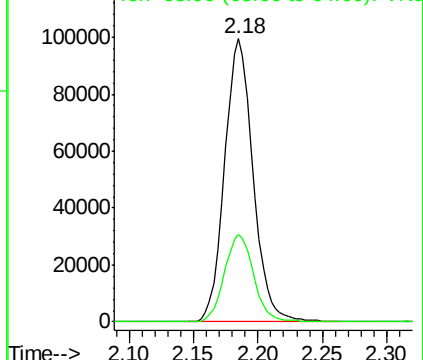
62 100

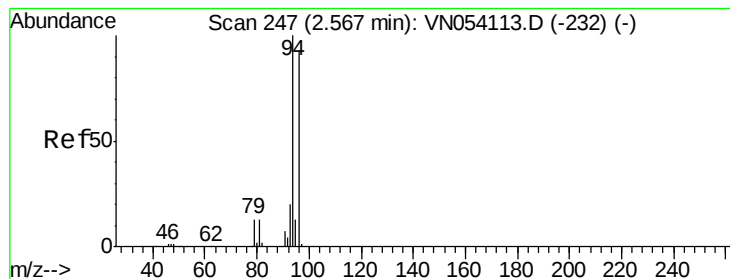
64 31.0 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 17.202 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

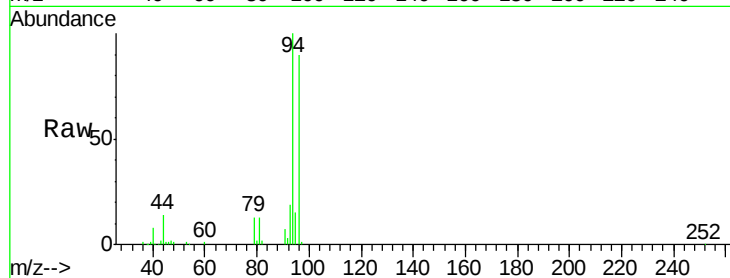
VSTDIC020

Tgt Ion: 94 Resp: 88152

Ion Ratio Lower Upper

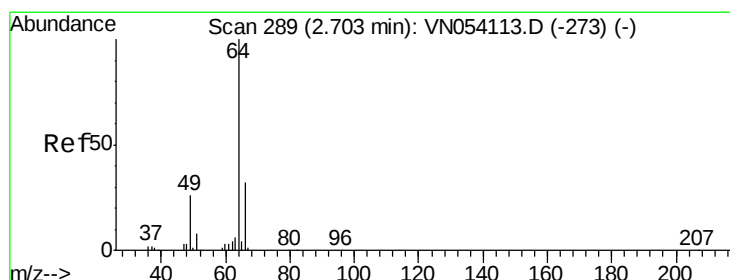
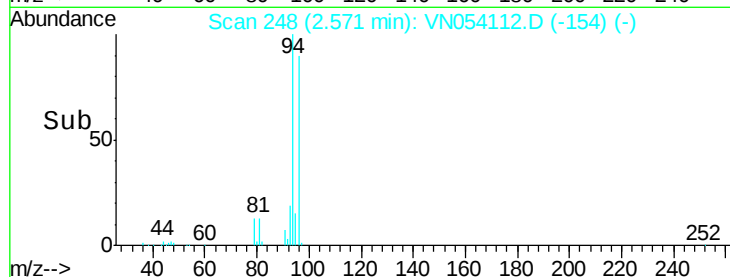
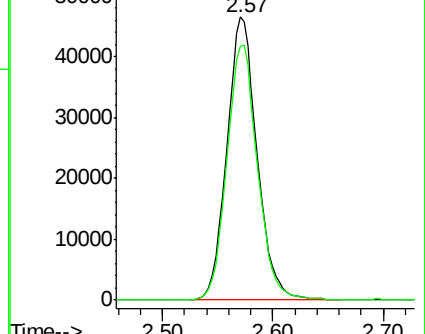
94 100

96 89.9 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.061 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054112.D

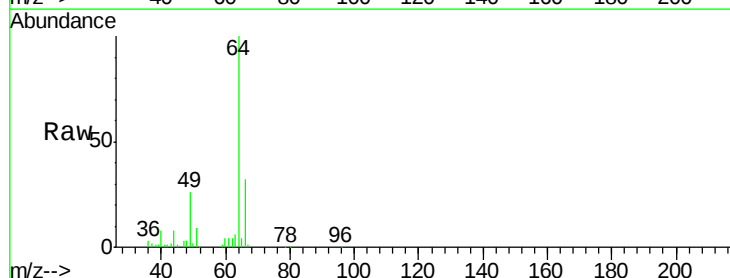
Acq: 6 Mar 2019 11:02

Tgt Ion: 64 Resp: 91312

Ion Ratio Lower Upper

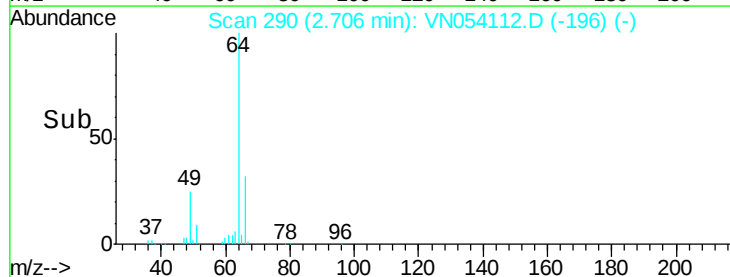
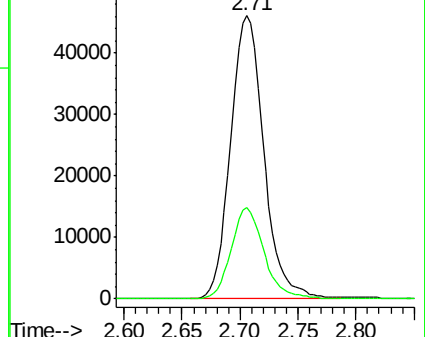
64 100

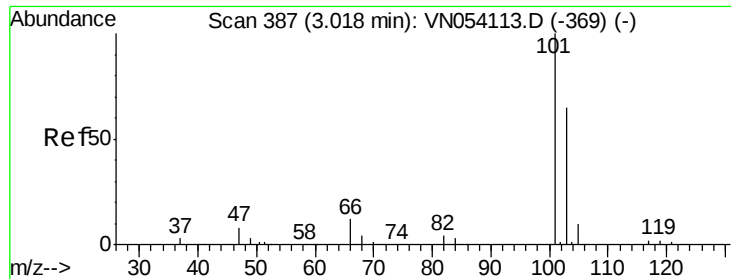
66 32.2 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



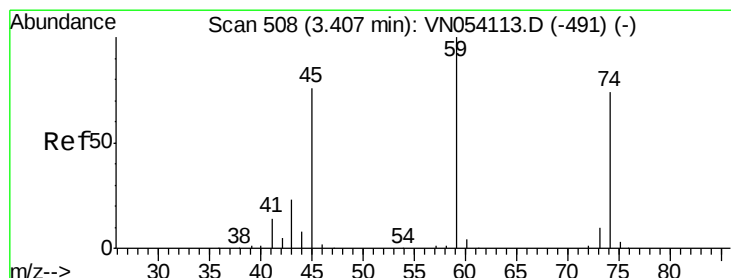
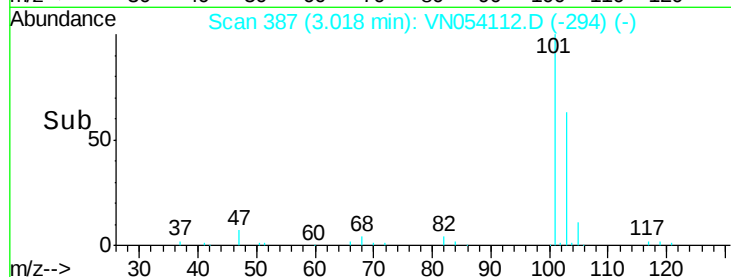
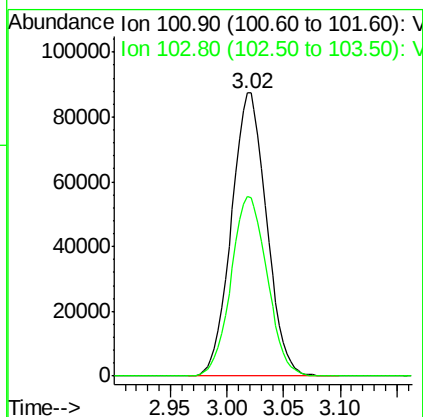
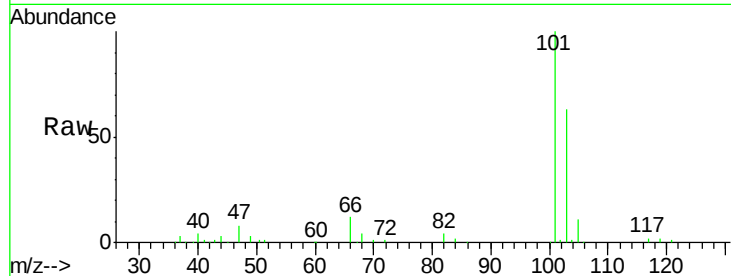


#7

Trichlorofluoromethane
 Concen: 19.641 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

Instrument :
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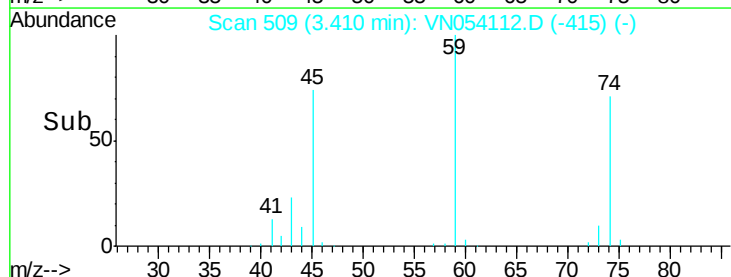
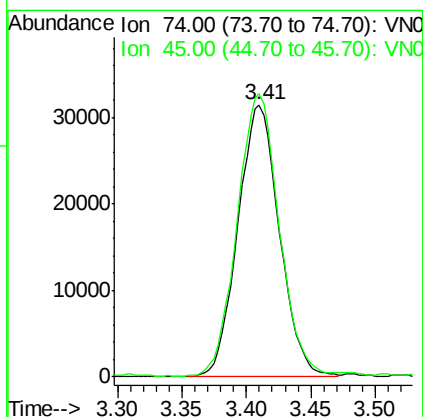
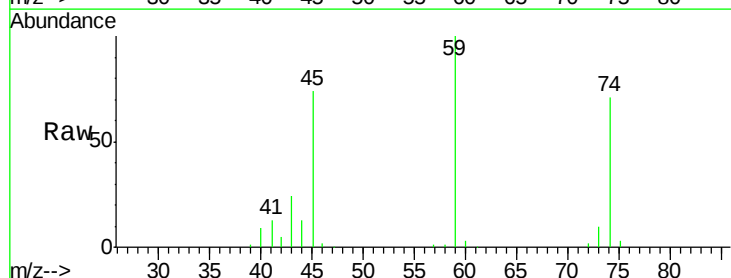
Tgt Ion:101 Resp: 189648
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.0 78.0

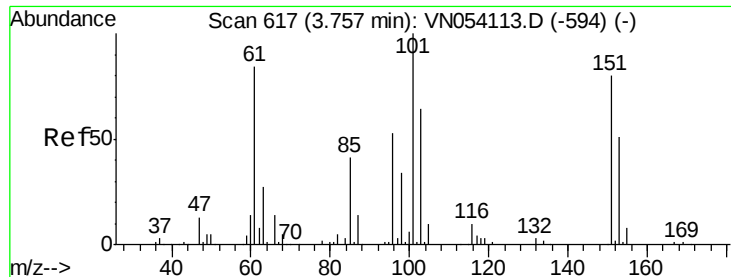


#8

Diethyl Ether
 Concen: 18.349 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

Tgt Ion: 74 Resp: 70600
 Ion Ratio Lower Upper
 74 100
 45 106.2 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.177 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

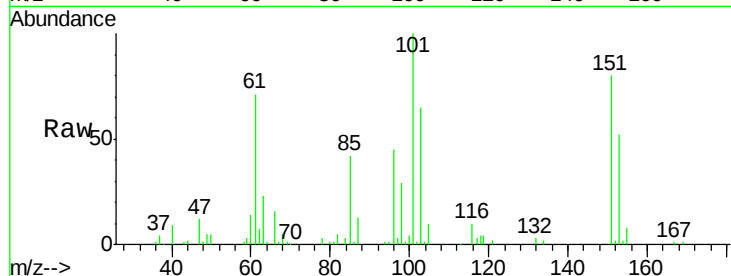
Tgt Ion:101 Resp: 120468

Ion Ratio Lower Upper

101 100

85 42.0 33.1 49.7

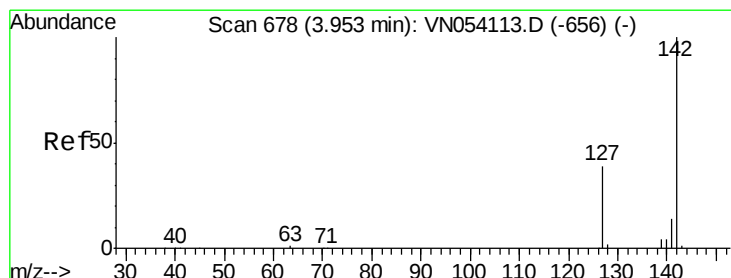
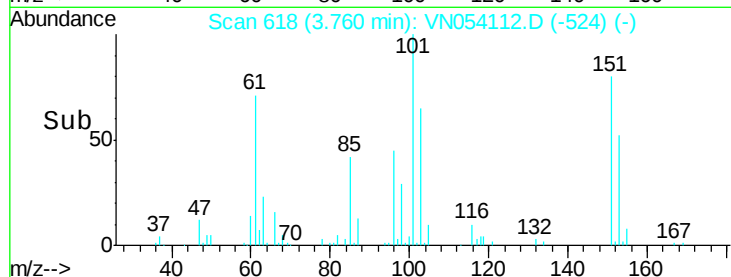
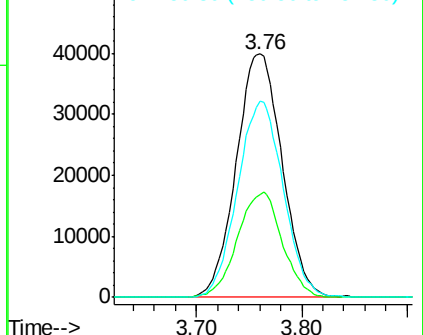
151 80.2 64.3 96.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.808 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

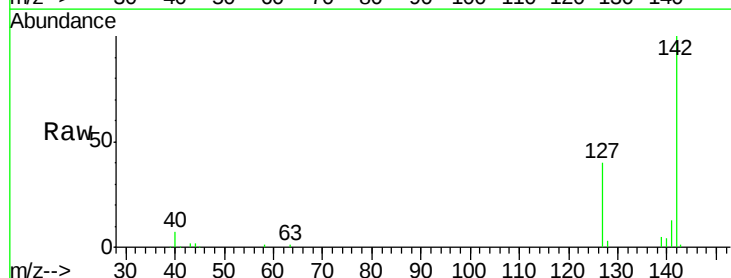
Tgt Ion:142 Resp: 125381

Ion Ratio Lower Upper

142 100

127 40.9 31.9 47.9

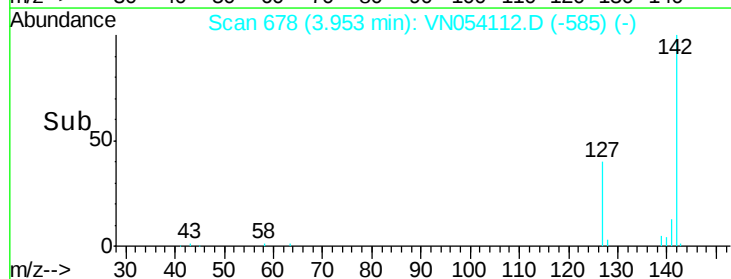
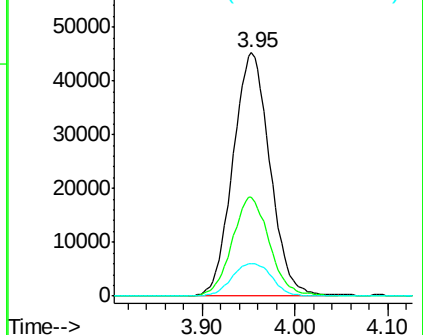
141 14.4 11.4 17.0

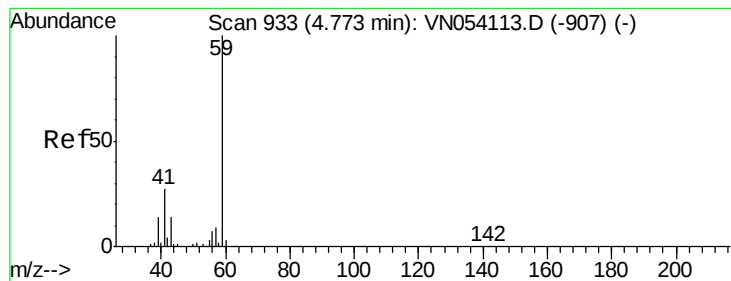


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 89.113 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.01 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

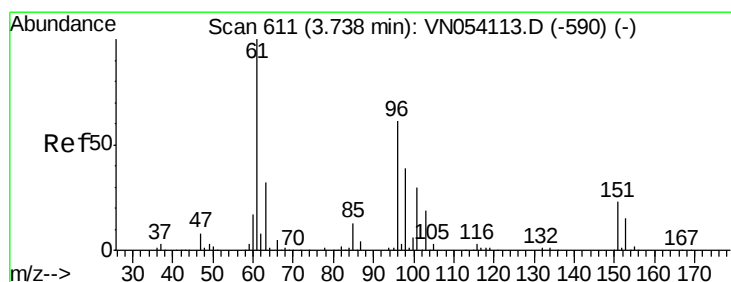
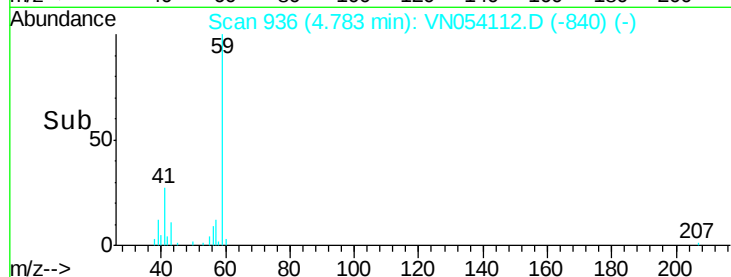
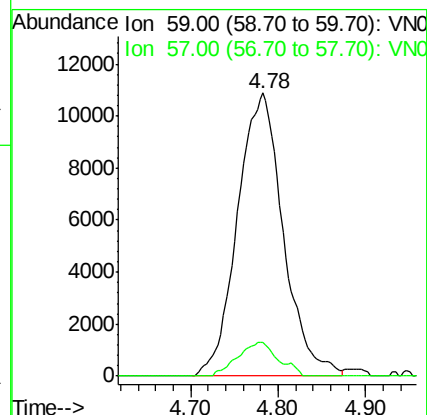
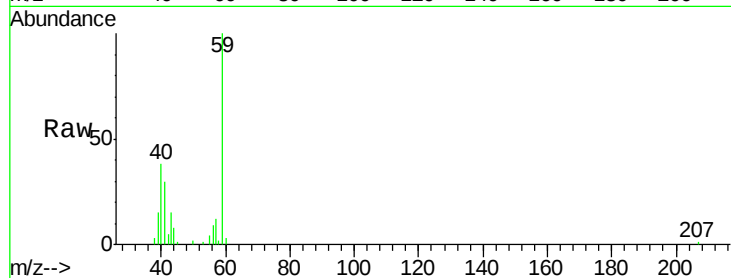
VSTDIC020

Tgt Ion: 59 Resp: 39519

Ion Ratio Lower Upper

59 100

57 9.8 8.2 12.4



#12

1,1-Dichloroethene

Concen: 19.318 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

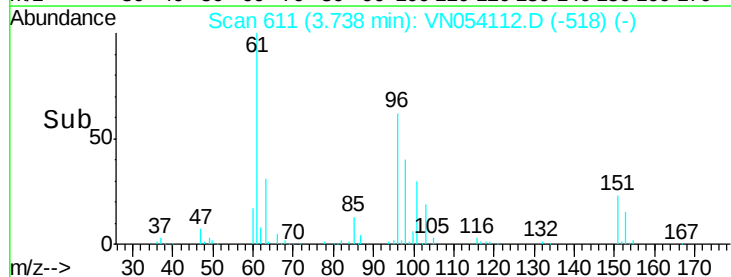
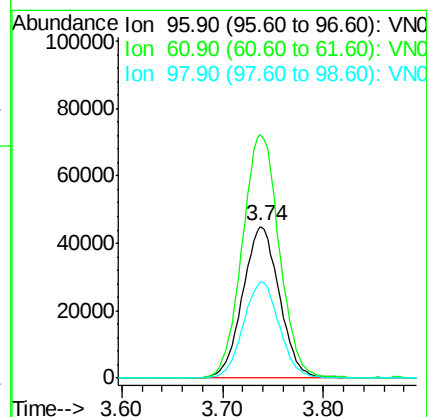
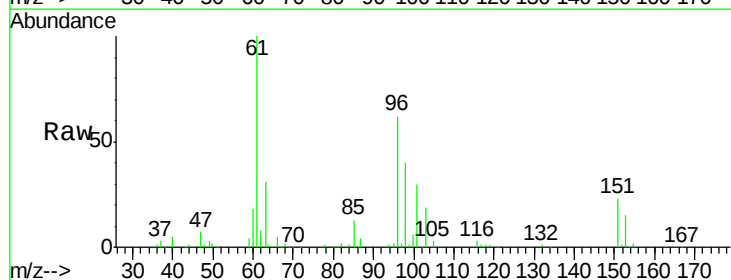
Tgt Ion: 96 Resp: 113206

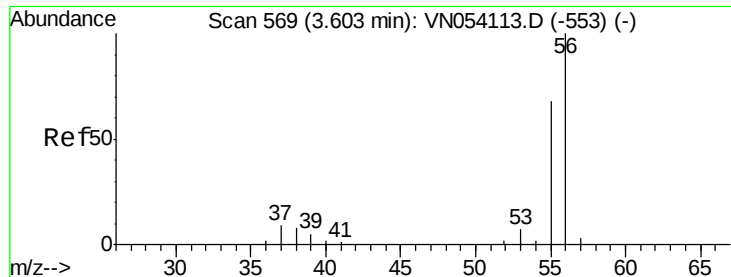
Ion Ratio Lower Upper

96 100

61 160.4 131.2 196.8

98 63.5 50.7 76.1





#13

Acrolein

Concen: 96.259 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

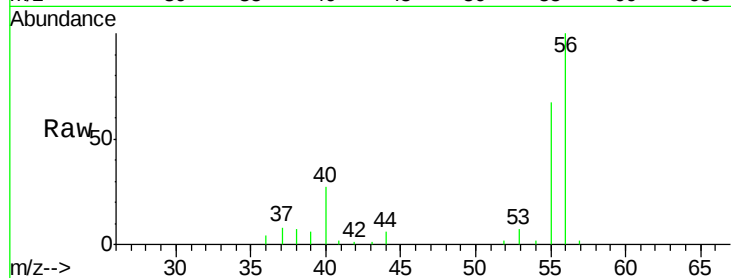
VSTDIC020

Tgt Ion: 56 Resp: 37542

Ion Ratio Lower Upper

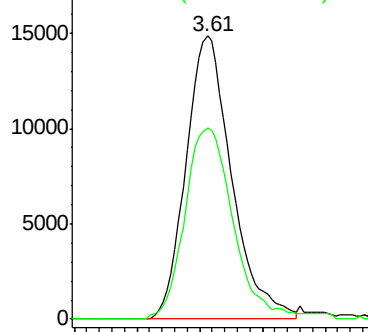
56 100

55 71.3 57.1 85.7

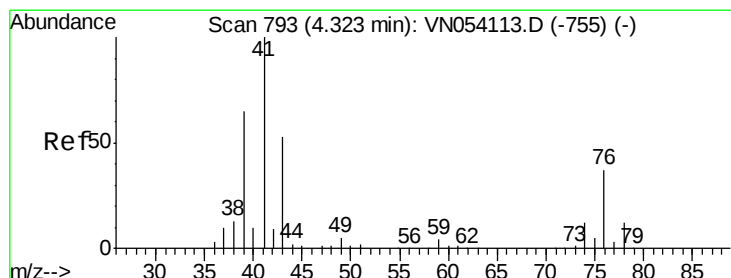
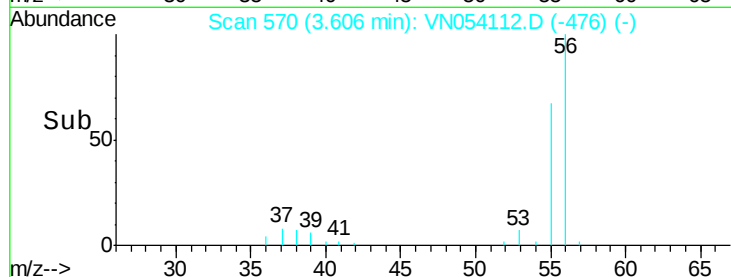


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time--> 3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 19.344 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

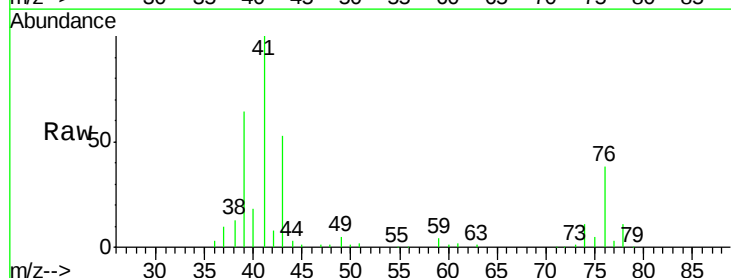
Tgt Ion: 41 Resp: 204250

Ion Ratio Lower Upper

41 100

39 62.0 49.3 73.9

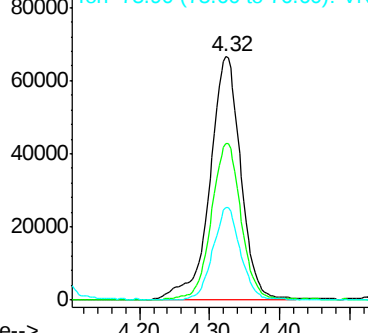
76 34.1 26.5 39.7



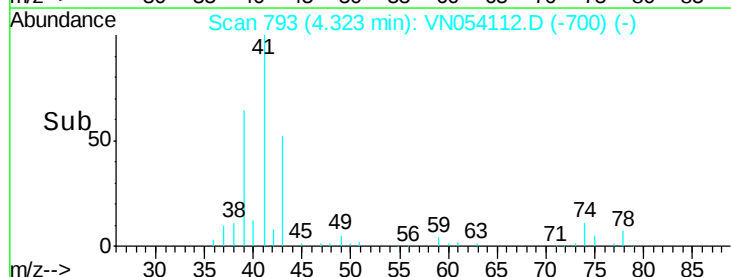
Abundance Ion 41.00 (40.70 to 41.70): VN0

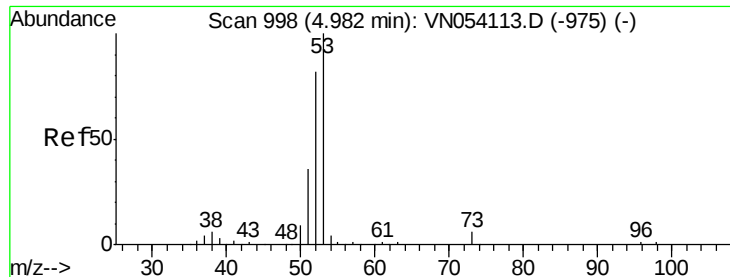
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time--> 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 91.779 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

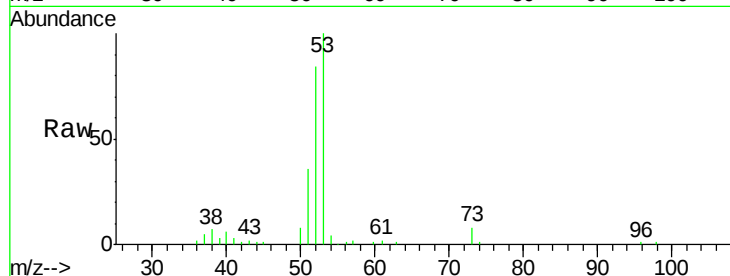
Tgt Ion: 53 Resp: 229736

Ion Ratio Lower Upper

53 100

52 83.3 64.6 97.0

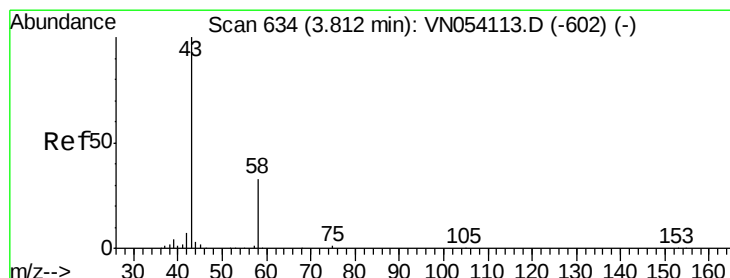
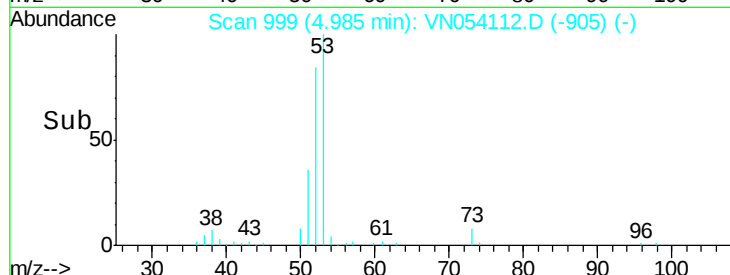
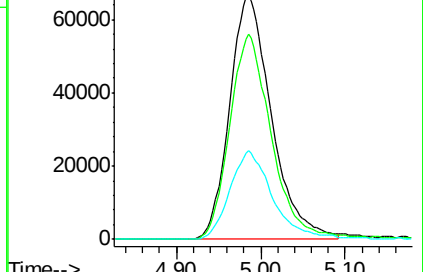
51 36.8 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN054112.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN054112.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VN054112.D (-905) (-)



#16

Acetone

Concen: 94.121 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN054112.D

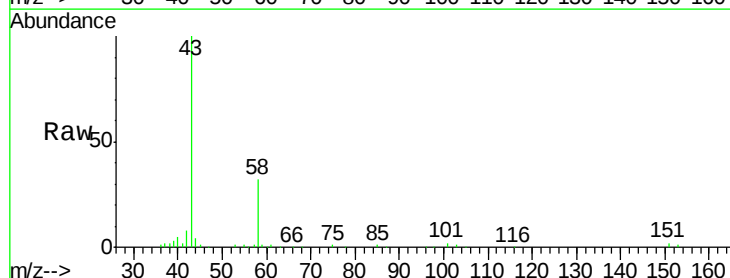
Acq: 6 Mar 2019 11:02

Tgt Ion: 43 Resp: 212269

Ion Ratio Lower Upper

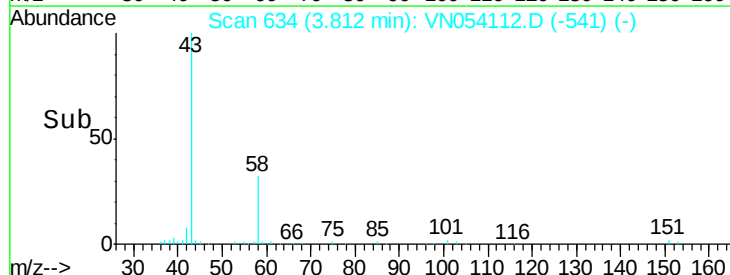
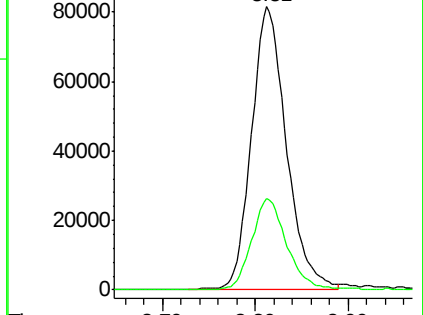
43 100

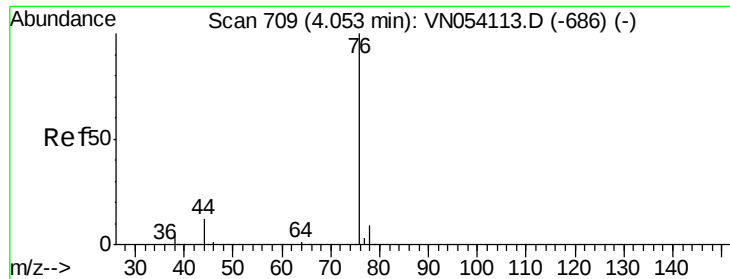
58 32.3 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN054112.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN054112.D (-541) (-)

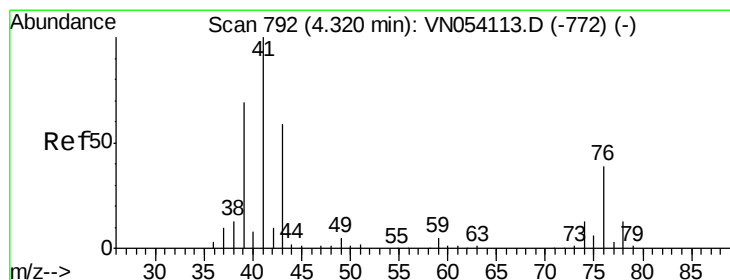
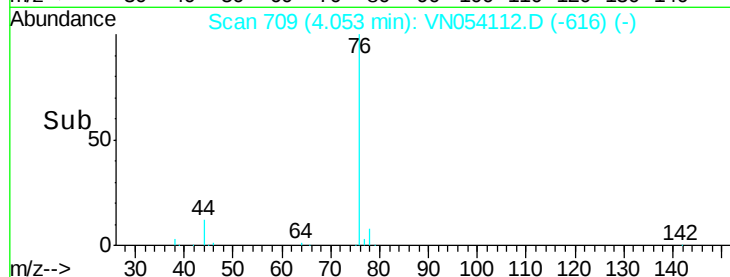
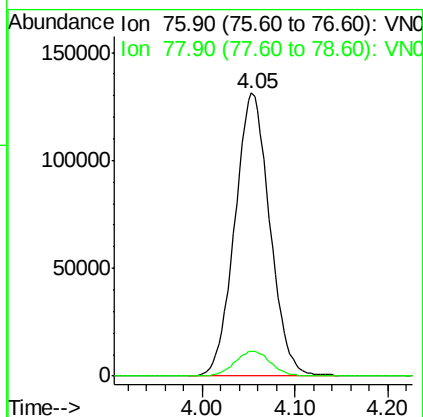
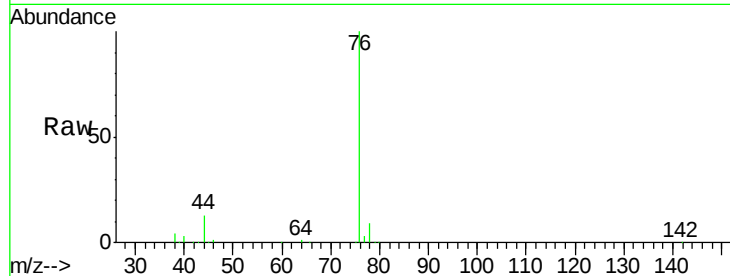




#17
Carbon Disulfide
Concen: 17.993 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

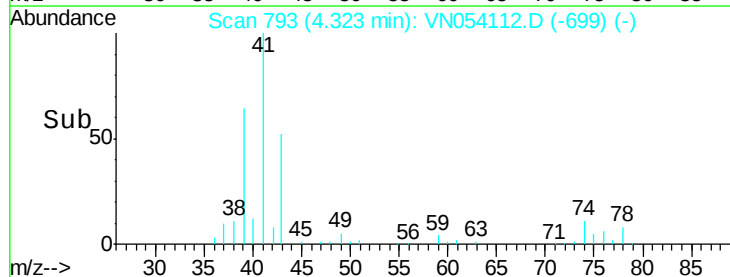
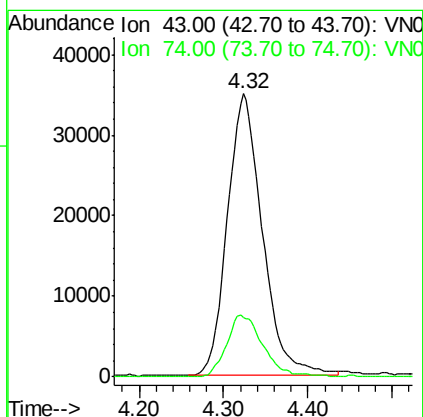
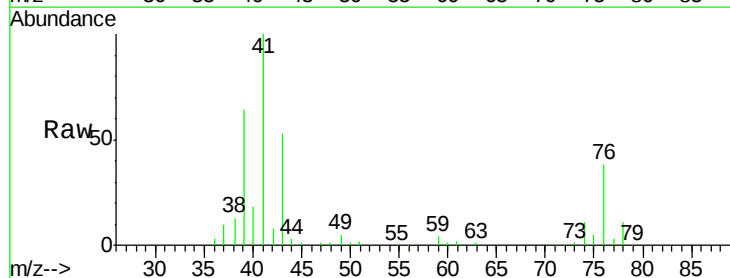
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

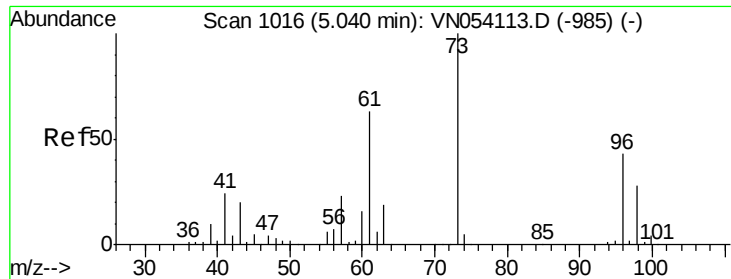
Tgt Ion: 76 Resp: 343918
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 17.500 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Tgt Ion: 43 Resp: 100622
Ion Ratio Lower Upper
43 100
74 22.2 18.2 27.2

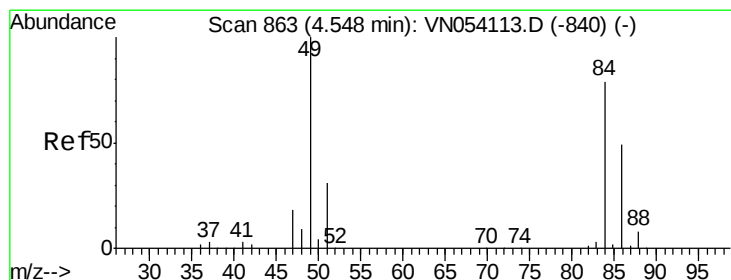
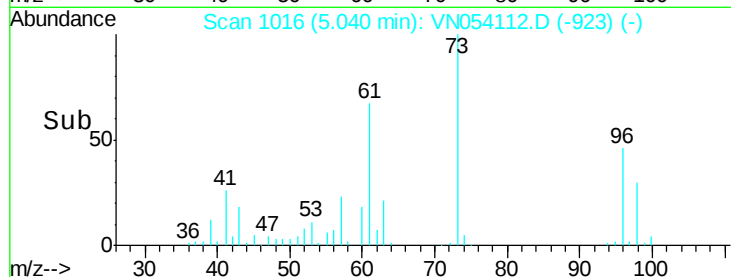
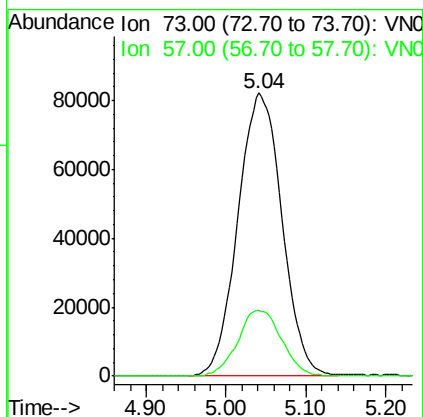
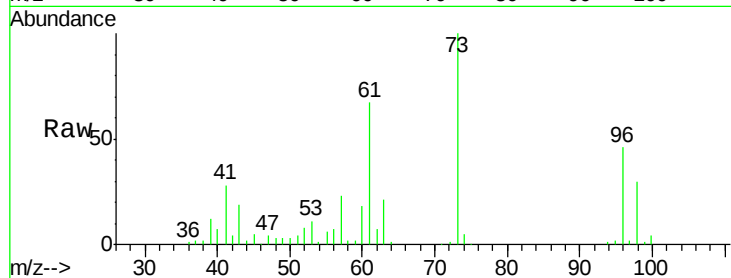




#19
Methyl tert-butyl Ether
Concen: 18.780 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

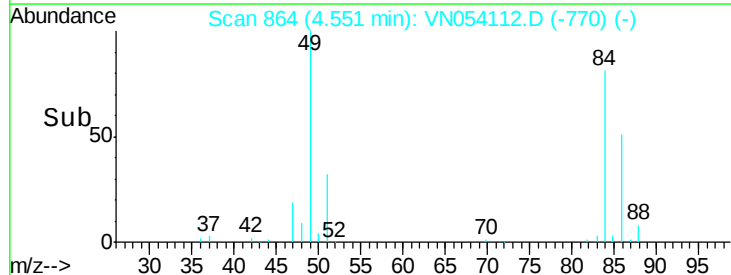
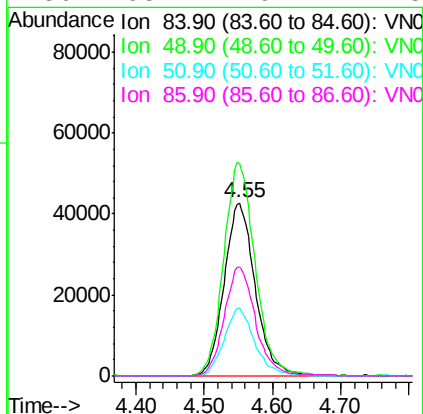
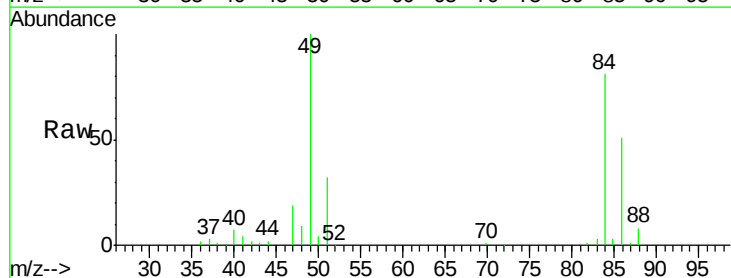
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

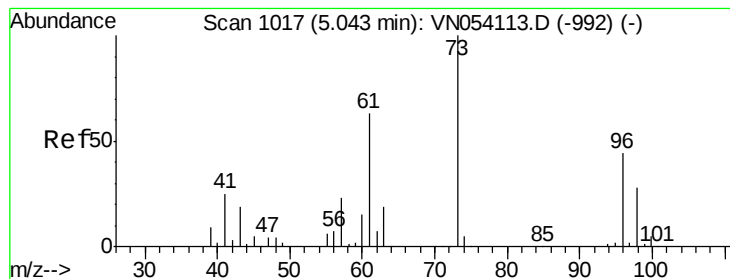
Tgt Ion: 73 Resp: 308853
Ion Ratio Lower Upper
73 100
57 23.0 18.2 27.4



#20
Methylene Chloride
Concen: 18.909 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Tgt Ion: 84 Resp: 135509
Ion Ratio Lower Upper
84 100
49 123.0 101.8 152.8
51 39.0 31.1 46.7
86 63.2 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 18.973 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

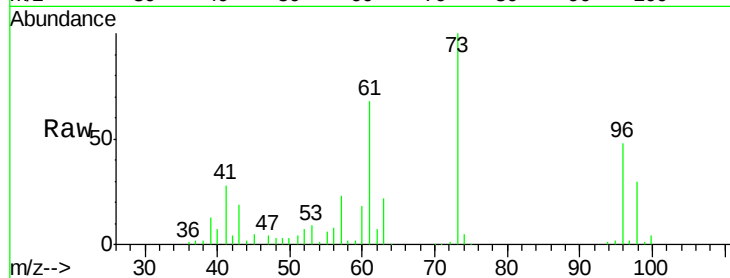
Tgt Ion: 96 Resp: 122055

Ion Ratio Lower Upper

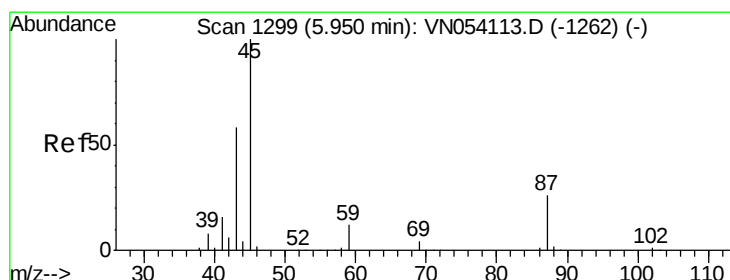
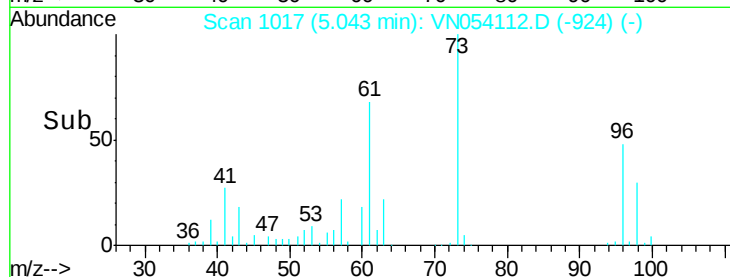
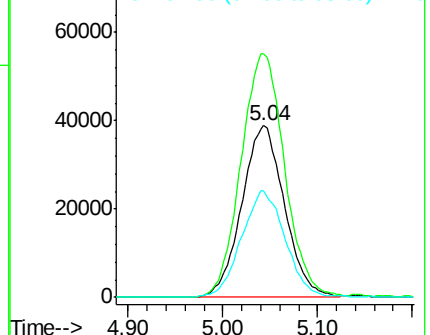
96 100

61 141.9 114.8 172.2

98 62.0 51.4 77.0



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



#22

Diisopropyl ether

Concen: 19.504 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Tgt Ion: 45 Resp: 401267

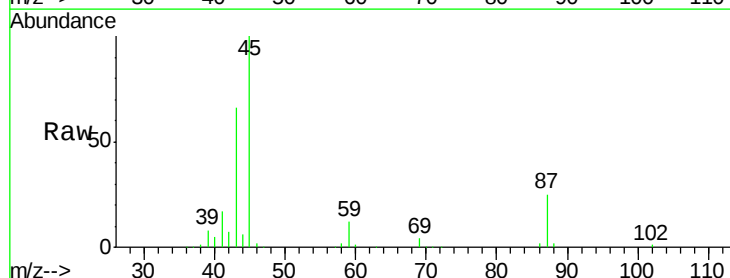
Ion Ratio Lower Upper

45 100

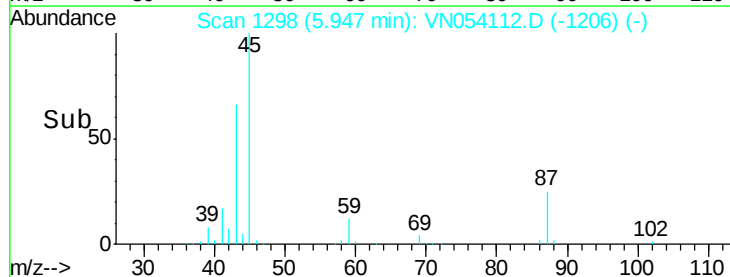
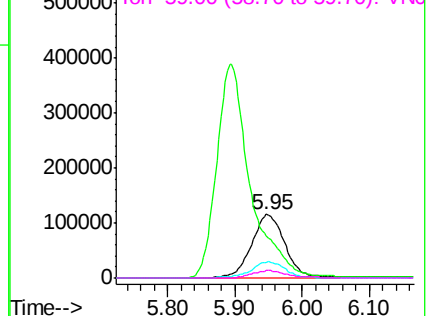
43 64.8 46.2 69.4

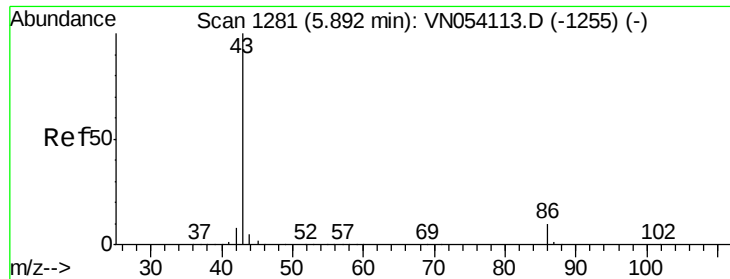
87 24.3 20.6 31.0

59 11.2 9.4 14.0



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

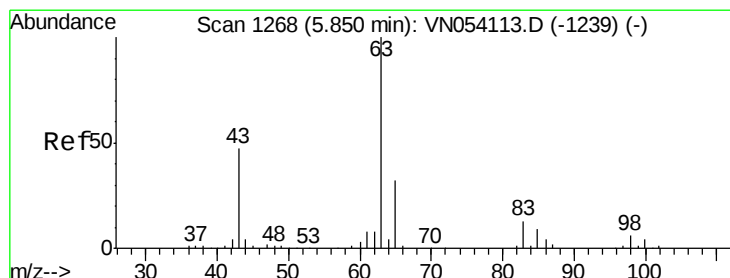
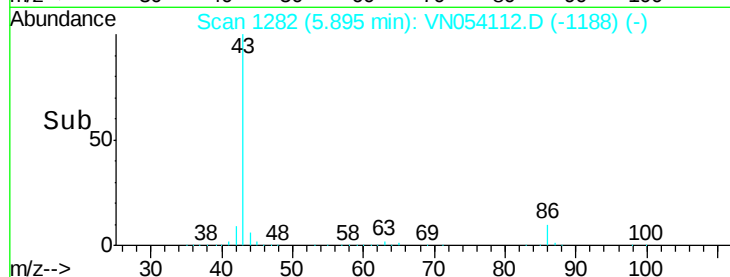
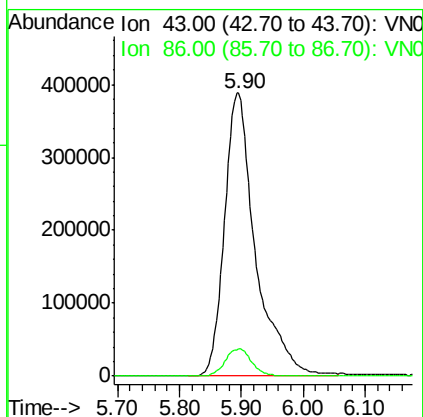
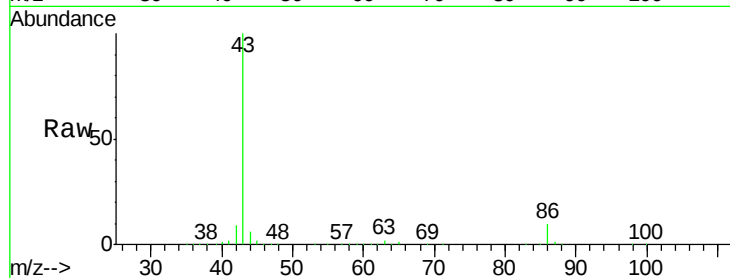




#23
 Vinyl Acetate
 Concen: 92.874 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

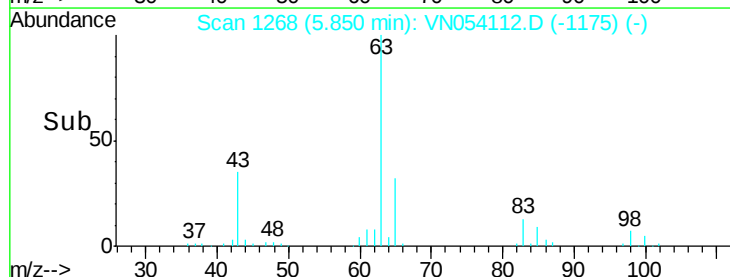
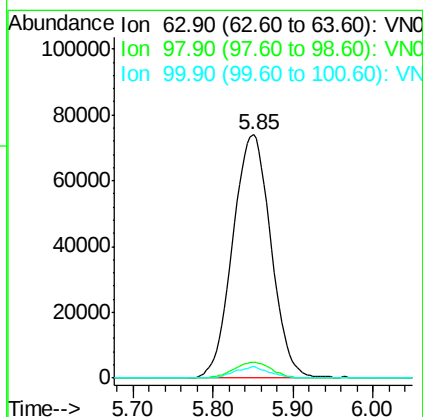
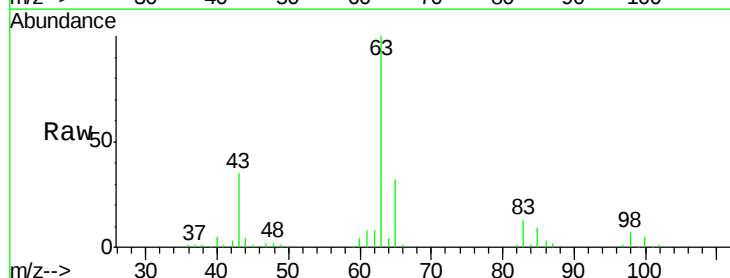
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

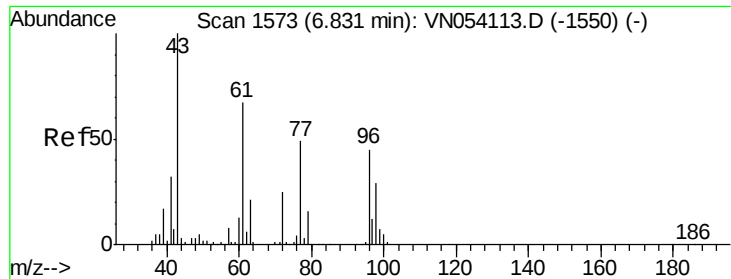
Tgt Ion: 43 Resp: 1357254
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 19.468 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

Tgt Ion: 63 Resp: 239633
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.1 9.4
 100 4.6 2.0 6.0

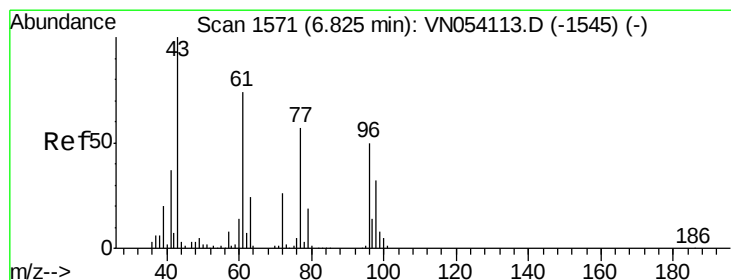
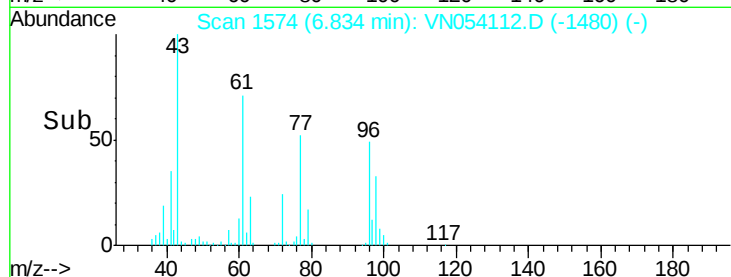
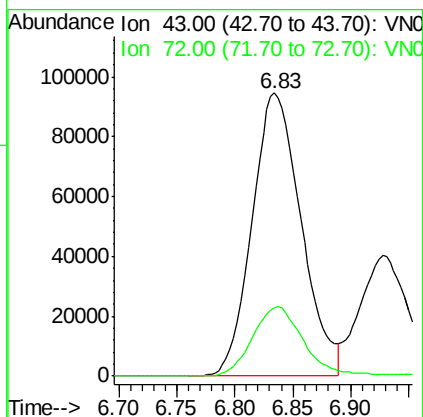
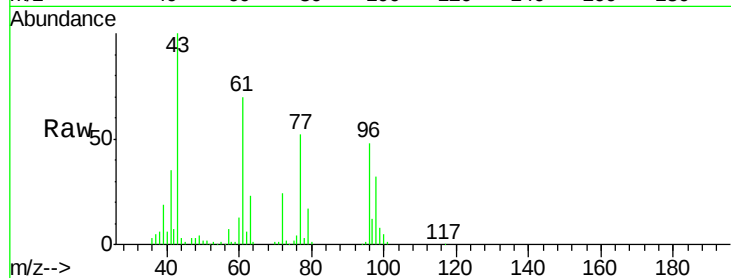




#25
2-Butanone
Concen: 92.982 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

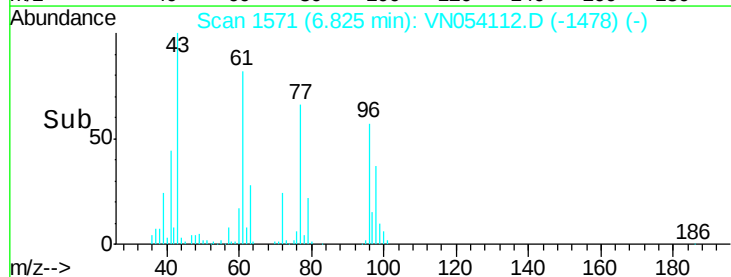
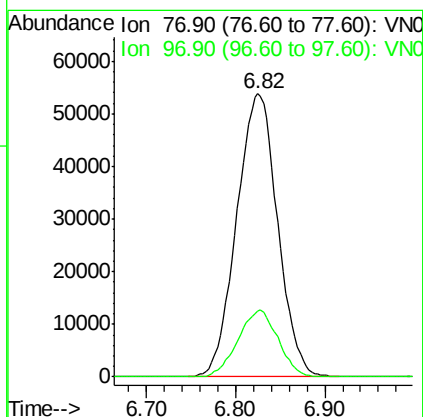
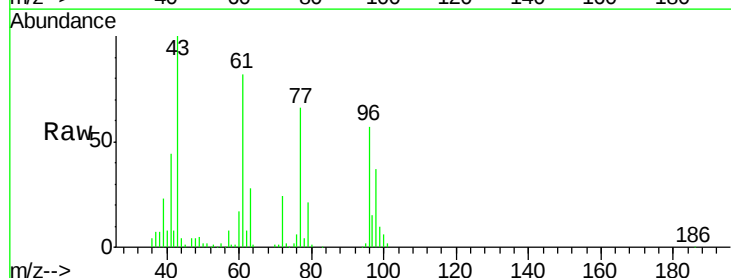
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

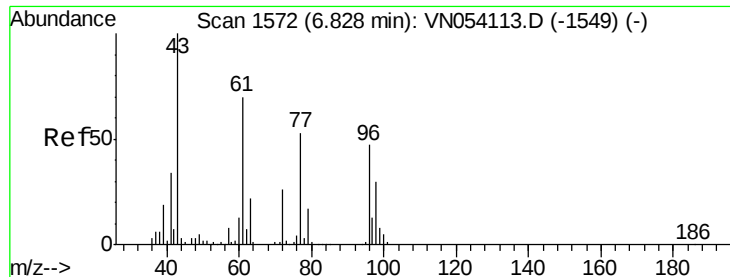
Tgt Ion: 43 Resp: 277746
Ion Ratio Lower Upper
43 100
72 24.1 20.2 30.2



#26
2,2-Dichloropropane
Concen: 19.366 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Tgt Ion: 77 Resp: 171813
Ion Ratio Lower Upper
77 100
97 23.1 11.8 35.3

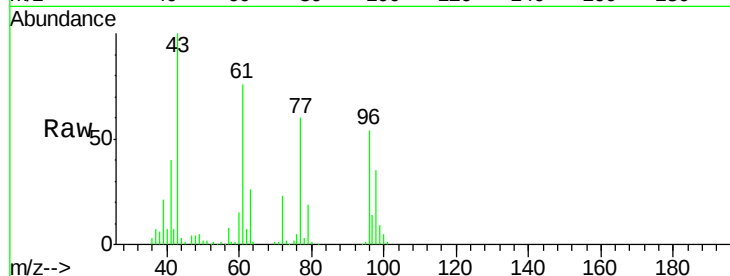




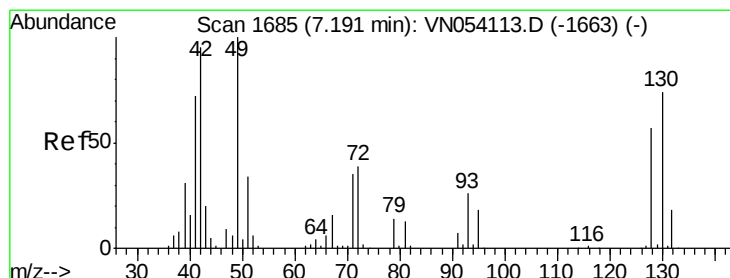
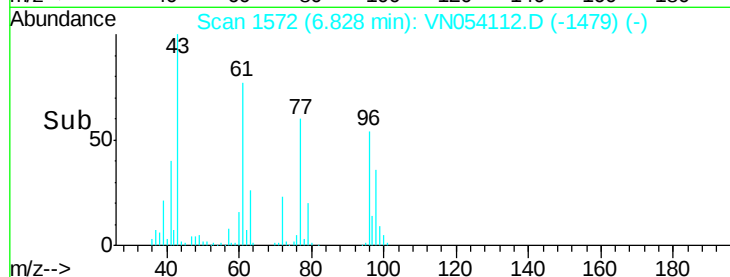
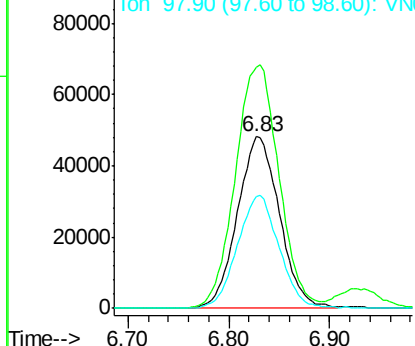
#27
 cis-1,2-Dichloroethene
 Concen: 19.472 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 139686
 Ion Ratio Lower Upper
 96 100
 61 147.0 0.0 297.0
 98 64.9 0.0 129.4

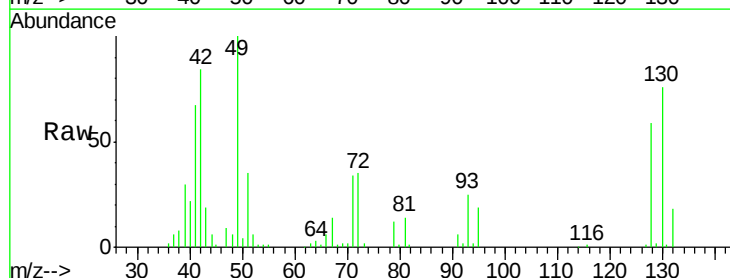


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

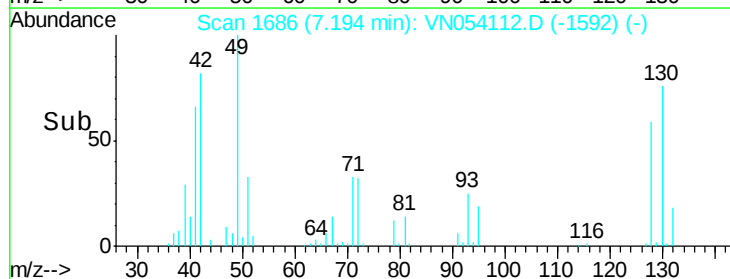
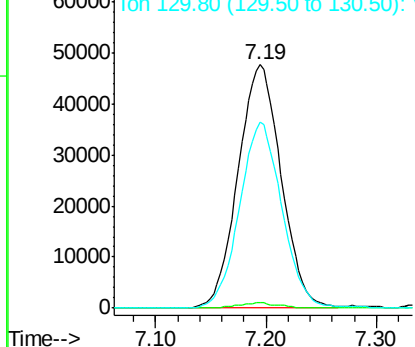


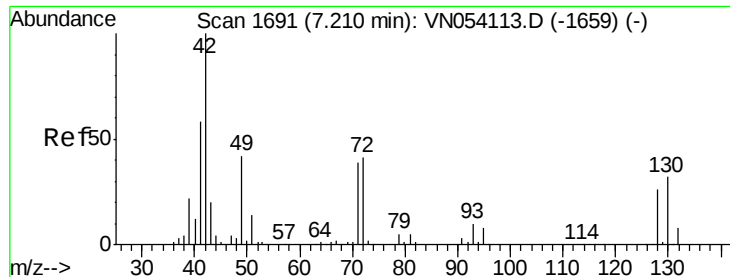
#28
 Bromochloromethane
 Concen: 21.011 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

Tgt Ion: 49 Resp: 129082
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 74.9 59.4 89.2



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

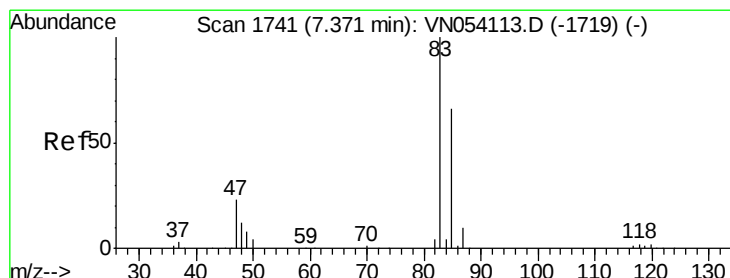
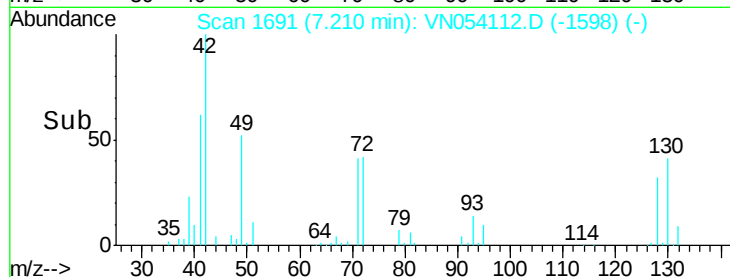
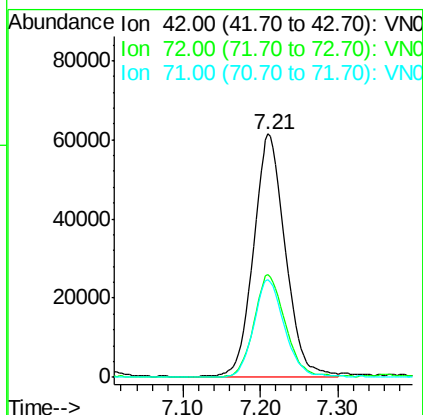
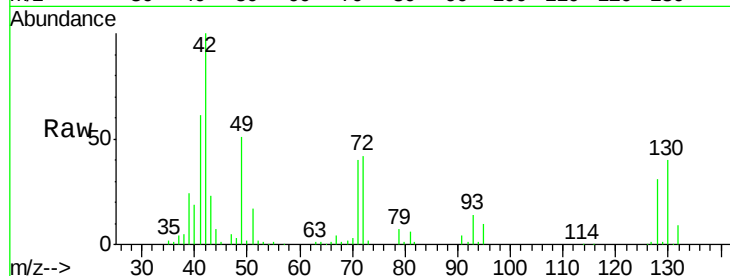




#29
Tetrahydrofuran
Concen: 89.412 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

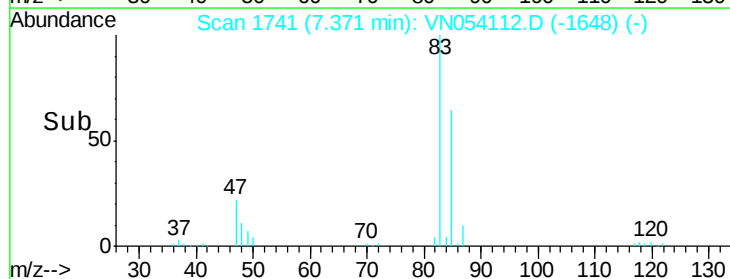
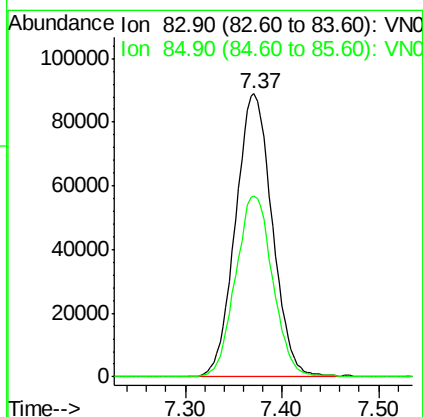
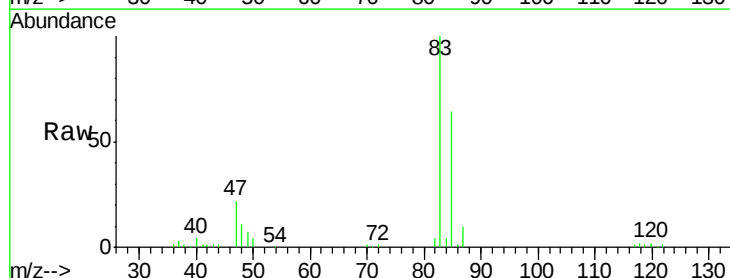
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

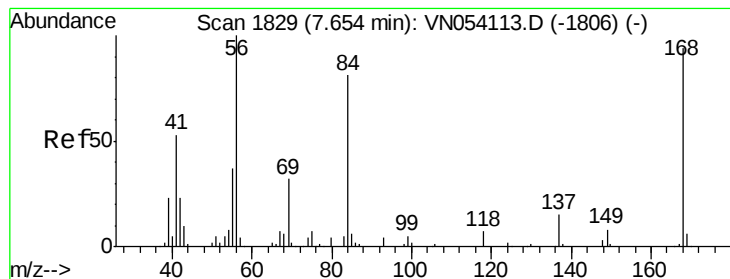
Tgt Ion: 42 Resp: 175058
Ion Ratio Lower Upper
42 100
72 41.9 32.8 49.2
71 39.0 30.5 45.7



#30
Chloroform
Concen: 19.894 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Tgt Ion: 83 Resp: 234636
Ion Ratio Lower Upper
83 100
85 63.9 53.1 79.7





#31

Cyclohexane

Concen: 16.630 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

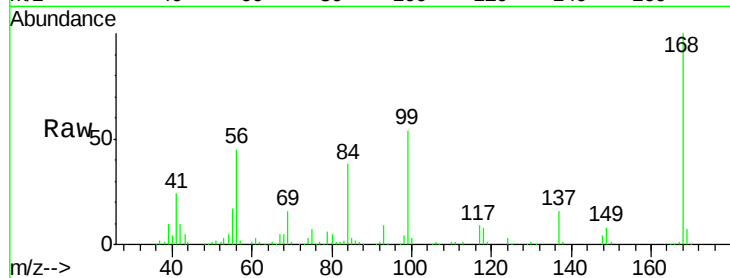
Tgt Ion: 56 Resp: 222245

Ion Ratio Lower Upper

56 100

69 34.7 25.5 38.3

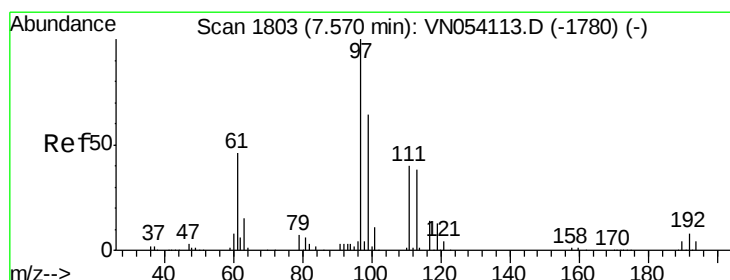
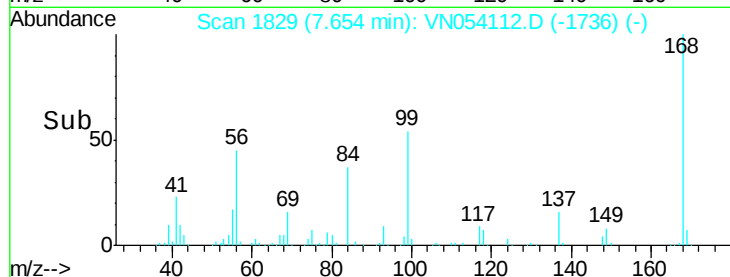
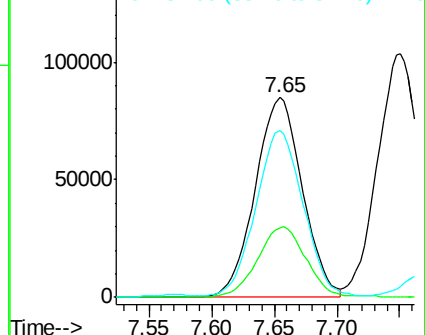
84 82.8 64.5 96.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.440 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

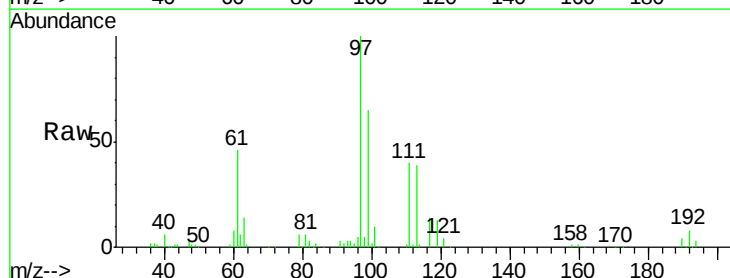
Tgt Ion: 97 Resp: 190094

Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

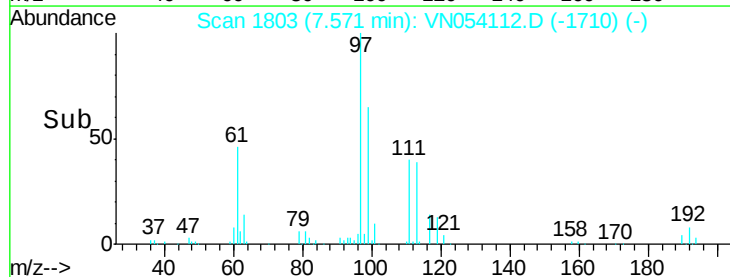
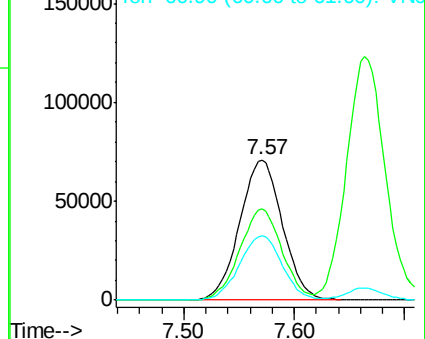
61 46.0 37.1 55.7

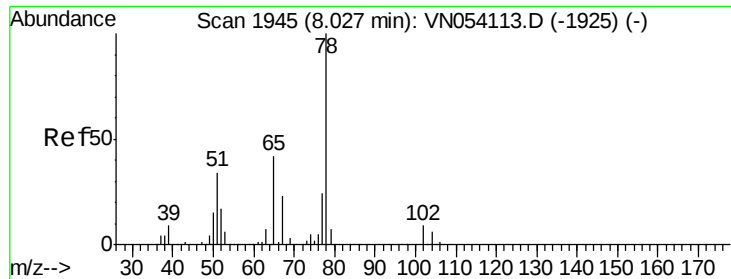


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 20.944 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

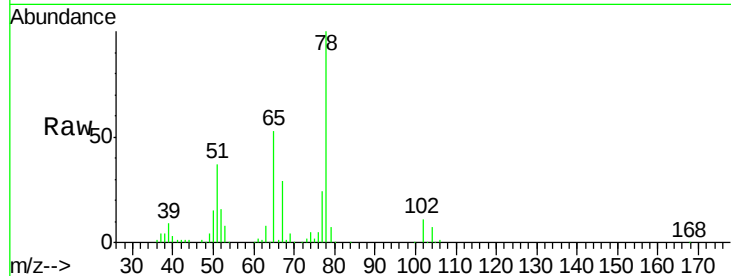
VSTDIC020

Tgt Ion: 65 Resp: 152671

Ion Ratio Lower Upper

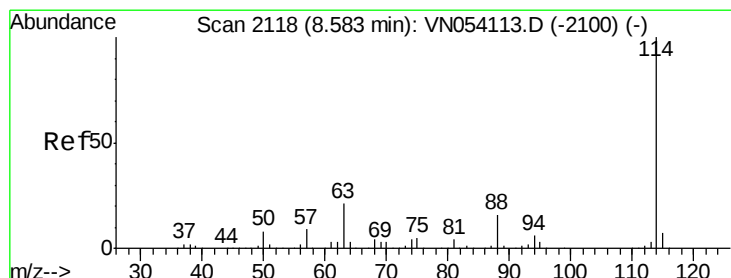
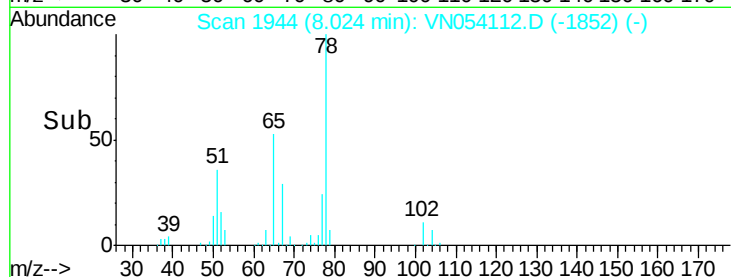
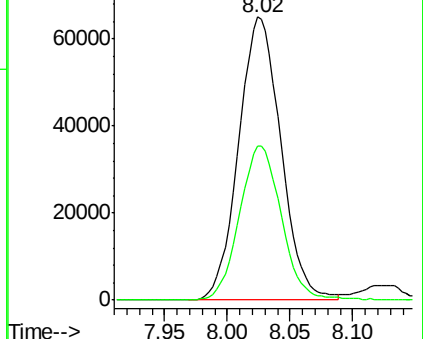
65 100

67 54.2 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN054112.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054112.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

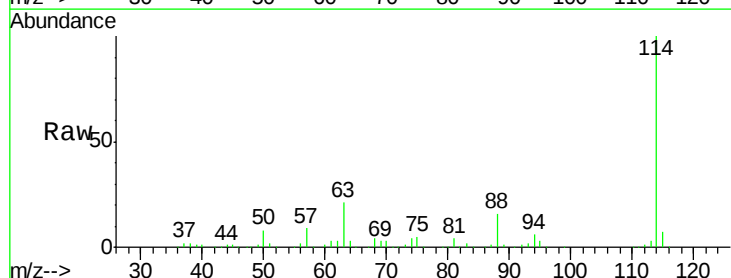
Tgt Ion: 114 Resp: 977232

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

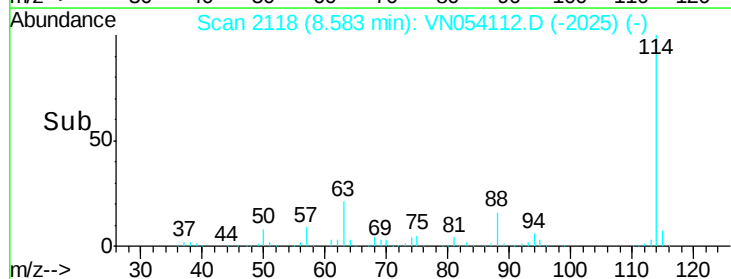
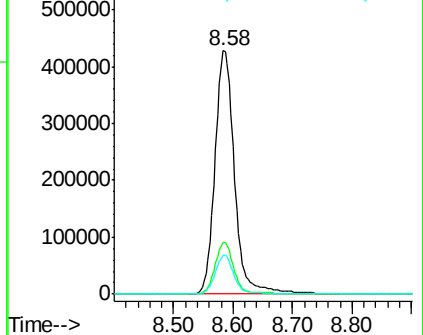
88 15.8 0.0 31.8

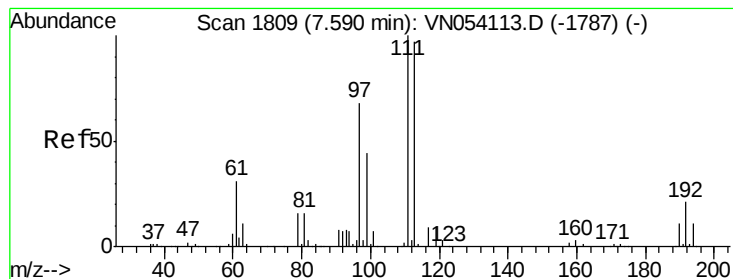


Abundance Ion 113.90 (113.60 to 114.60): VN054112.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN054112.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN054112.D (-2025) (-)





#35

Dibromofluoromethane

Concen: 21.194 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

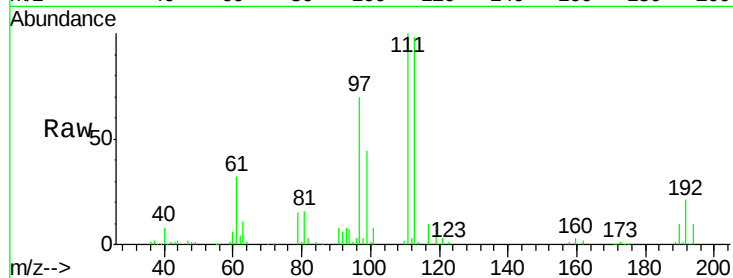
Tgt Ion:113 Resp: 134516

Ion Ratio Lower Upper

113 100

111 100.1 82.1 123.1

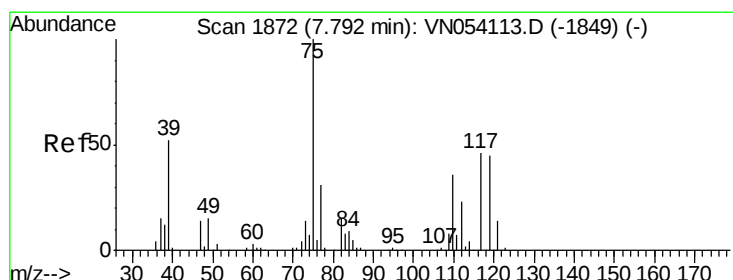
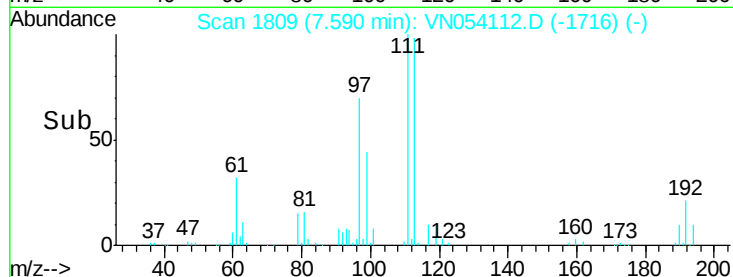
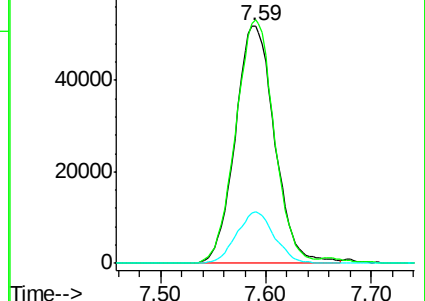
192 20.8 17.4 26.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.552 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

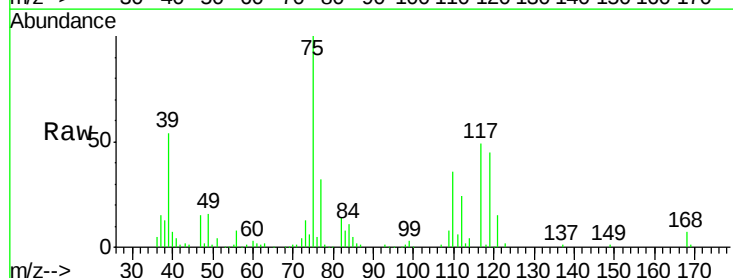
Tgt Ion: 75 Resp: 170168

Ion Ratio Lower Upper

75 100

110 35.8 18.0 54.0

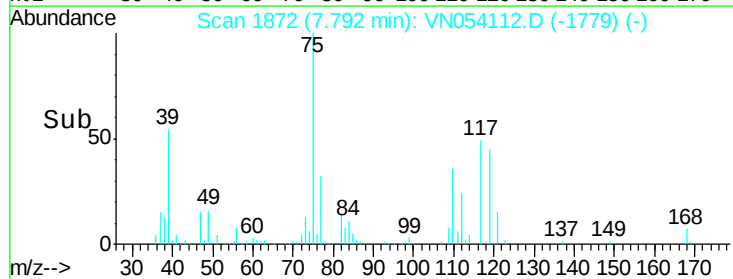
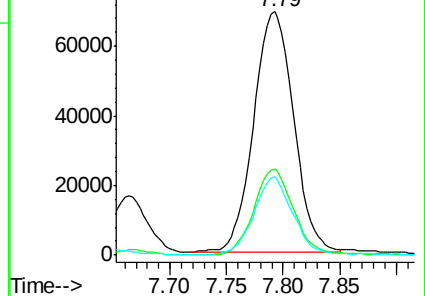
77 31.6 25.3 37.9

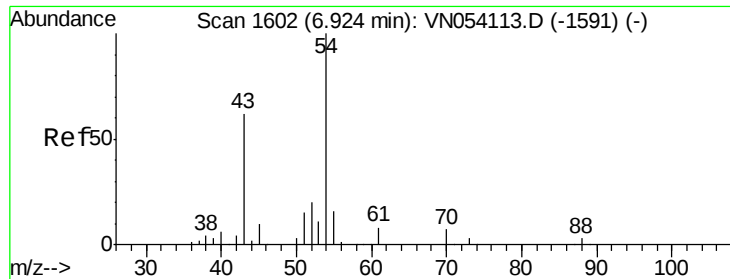


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

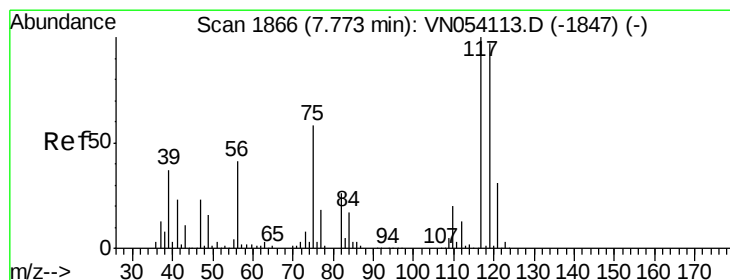
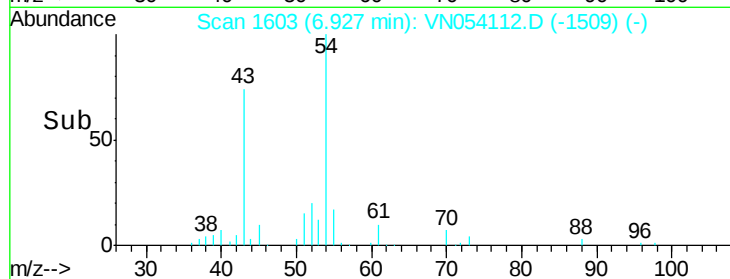
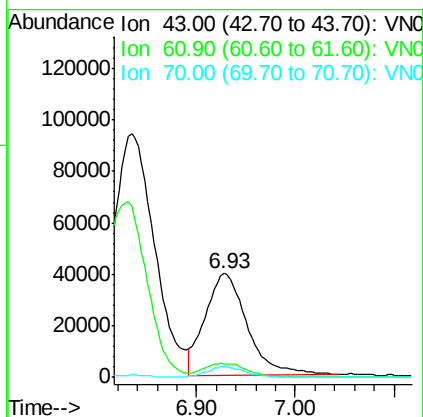
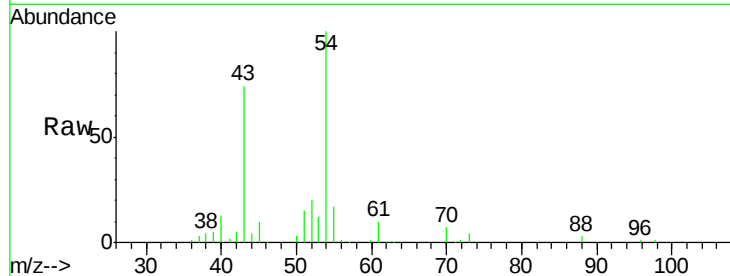




#37
Ethyl Acetate
Concen: 17.905 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

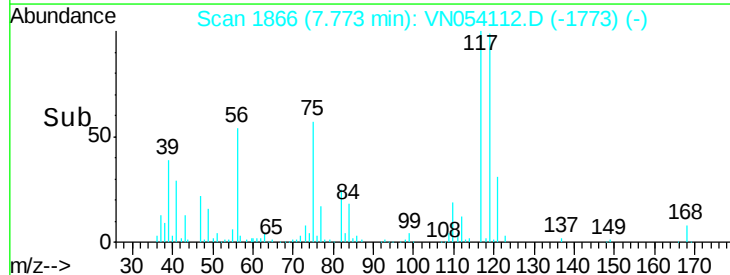
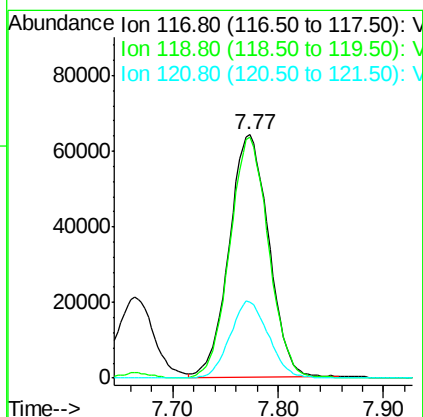
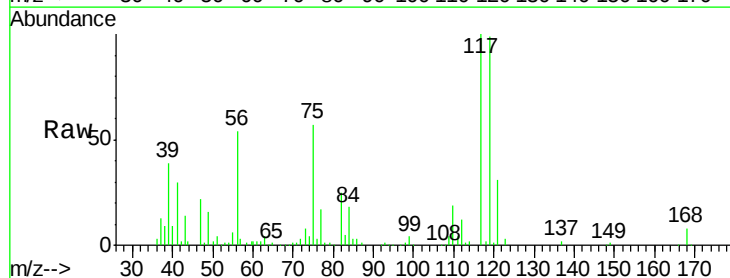
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

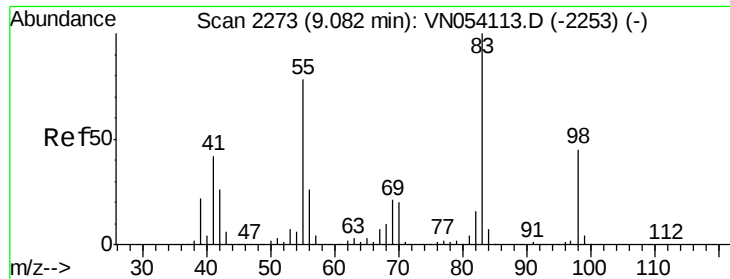
Tgt Ion: 43 Resp: 117744
Ion Ratio Lower Upper
43 100
61 13.6 11.1 16.7
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.102 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Tgt Ion: 117 Resp: 167267
Ion Ratio Lower Upper
117 100
119 99.1 77.0 115.6
121 31.5 24.3 36.5

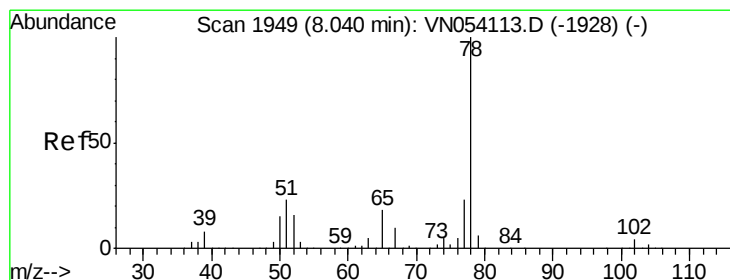
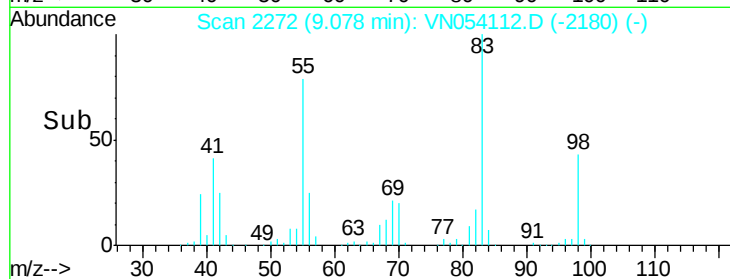
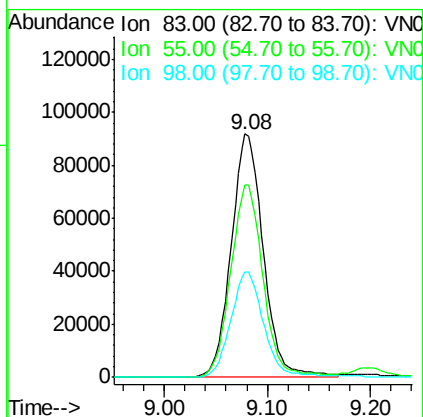
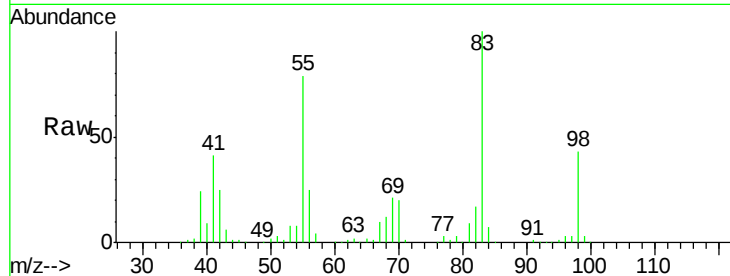




#39
Methylcyclohexane
Concen: 18.870 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

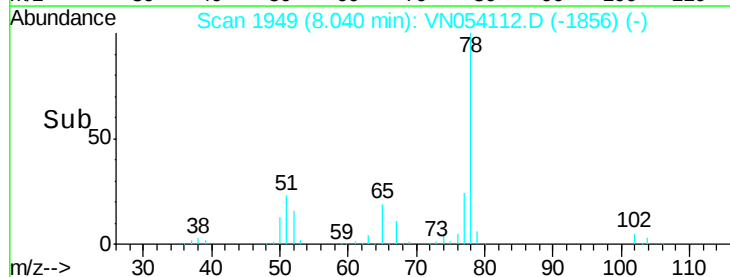
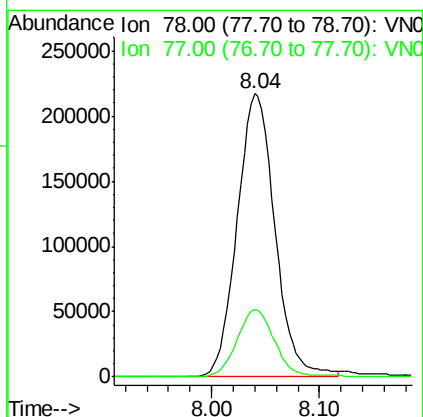
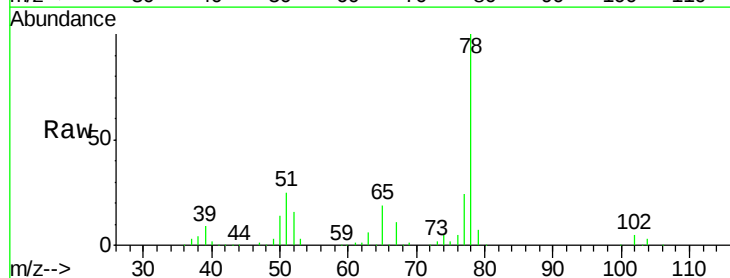
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

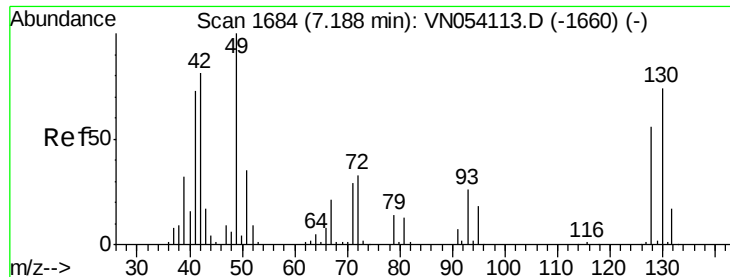
Tgt Ion: 83 Resp: 199755
Ion Ratio Lower Upper
83 100
55 78.9 62.1 93.1
98 43.4 36.0 54.0



#40
Benzene
Concen: 19.514 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Tgt Ion: 78 Resp: 529551
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1





#41

Methacrylonitrile

Concen: 15.352 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.02 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 61373

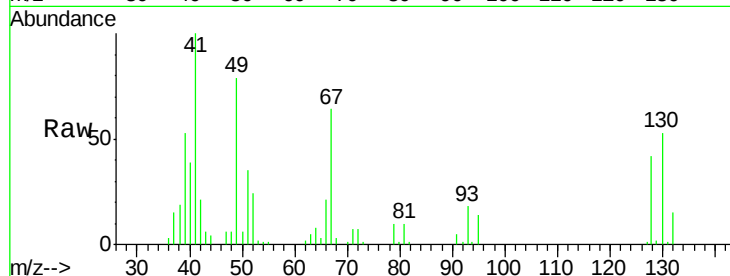
Ion Ratio Lower Upper

41 100

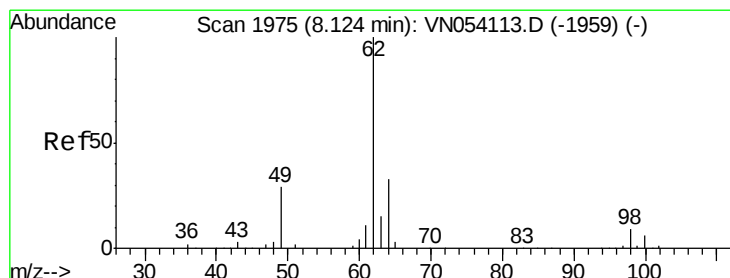
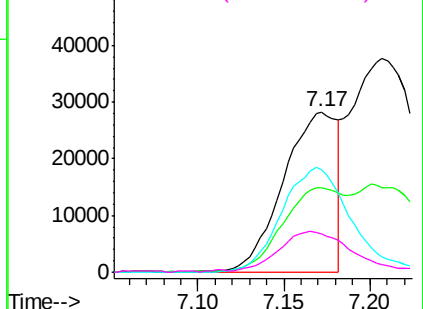
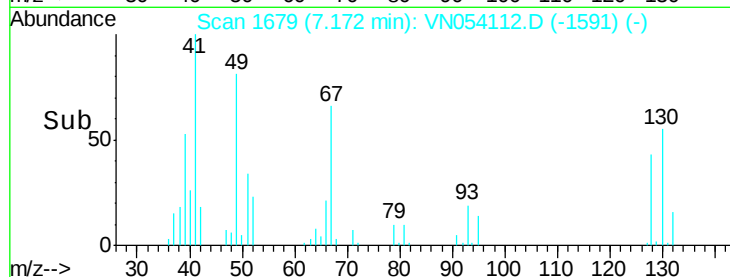
39 60.4 0.0 0.0#

67 86.2 0.0 0.0#

52 32.8 0.0 0.0#



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



#42

1,2-Dichloroethane

Concen: 19.313 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN054112.D

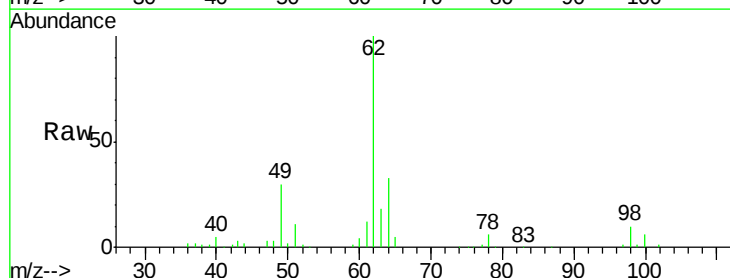
Acq: 6 Mar 2019 11:02

Tgt Ion: 62 Resp: 166017

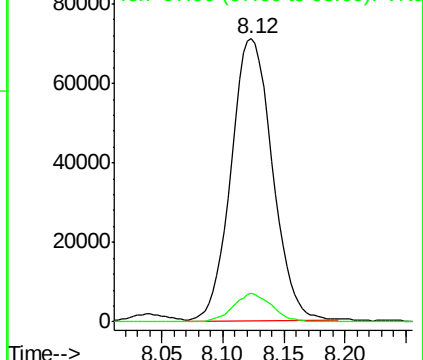
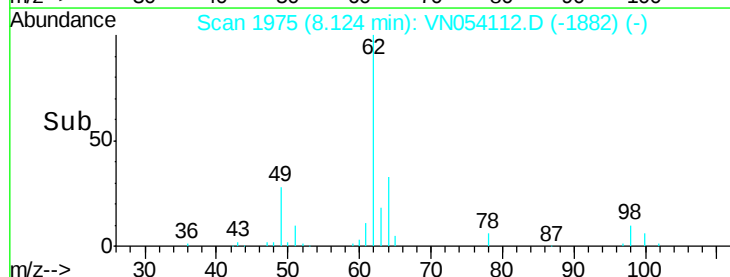
Ion Ratio Lower Upper

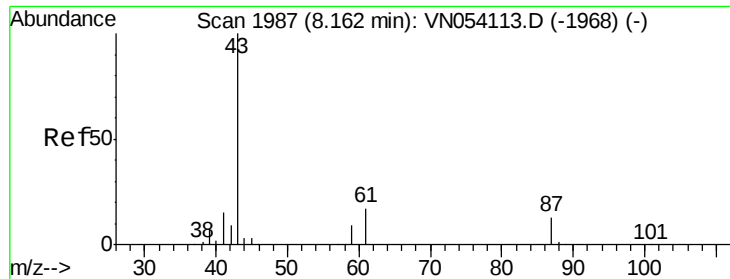
62 100

98 9.5 0.0 18.6



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





#43

Isopropyl Acetate

Concen: 19.082 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

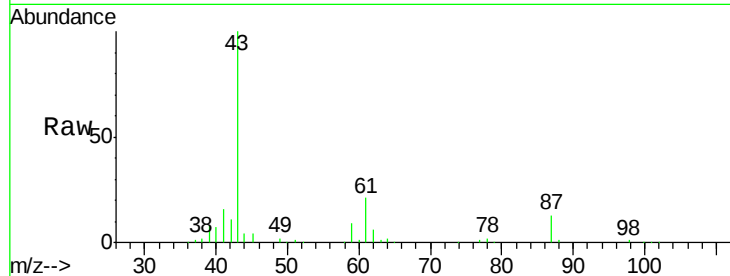
Tgt Ion: 43 Resp: 195033

Ion Ratio Lower Upper

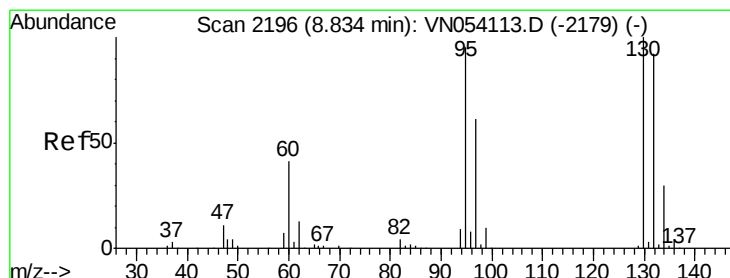
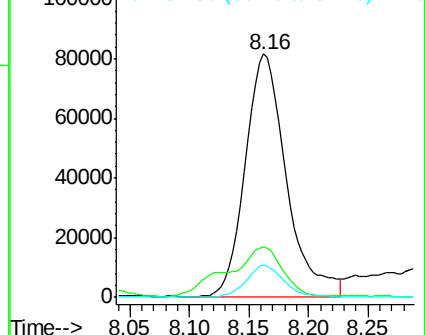
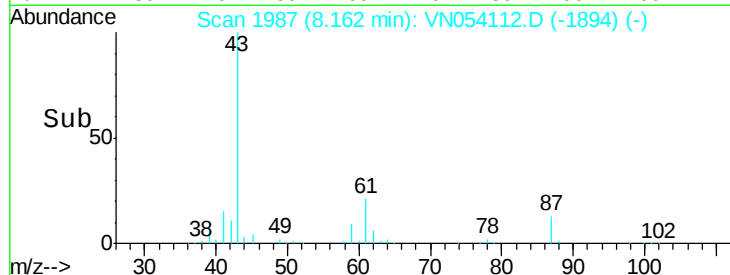
43 100

61 27.5 22.5 33.7

87 12.0 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VN054112.D (-1894) (-)



#44

Trichloroethene

Concen: 19.533 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054112.D

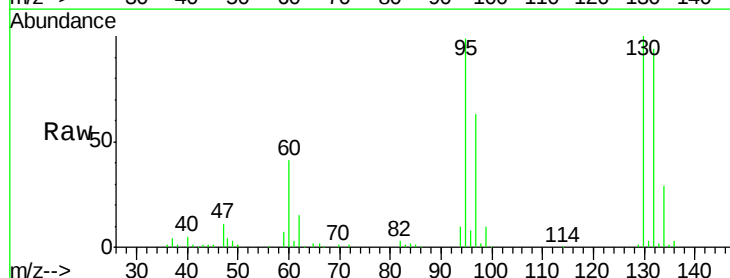
Acq: 6 Mar 2019 11:02

Tgt Ion: 130 Resp: 142136

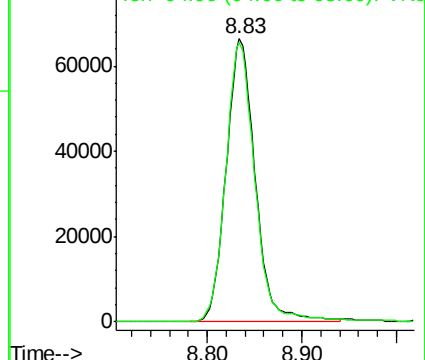
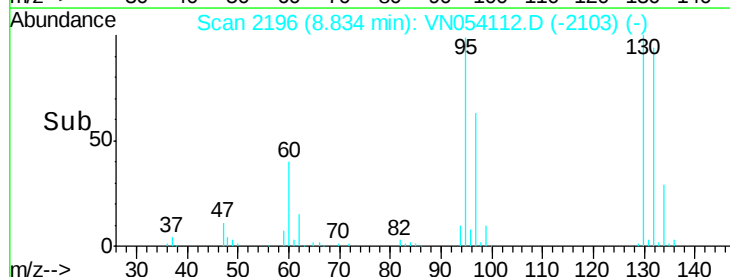
Ion Ratio Lower Upper

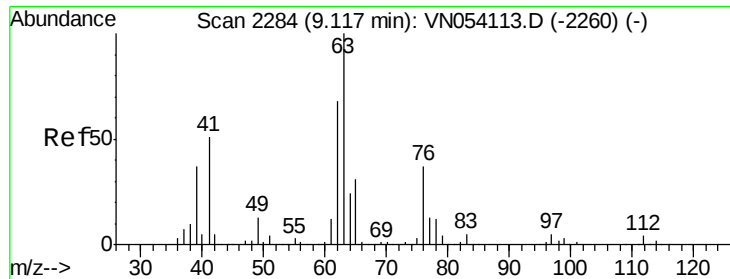
130 100

95 98.7 0.0 189.4



Abundance Ion 129.80 (129.50 to 130.50): VN054112.D (-2103) (-)

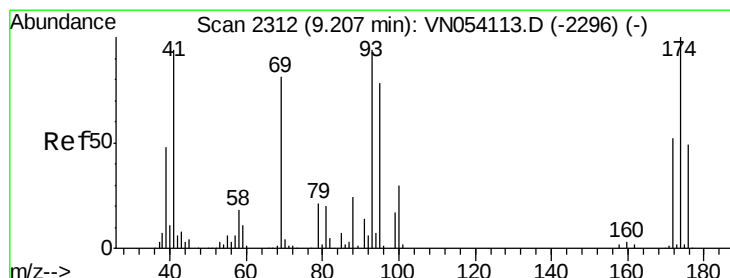
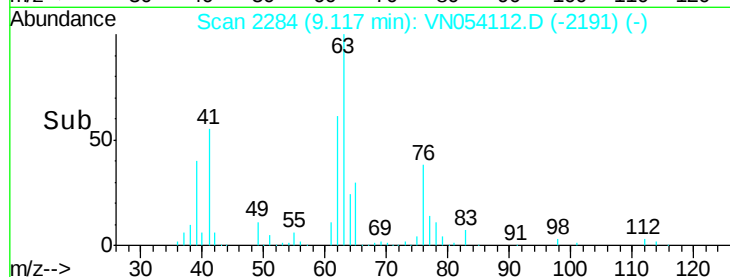
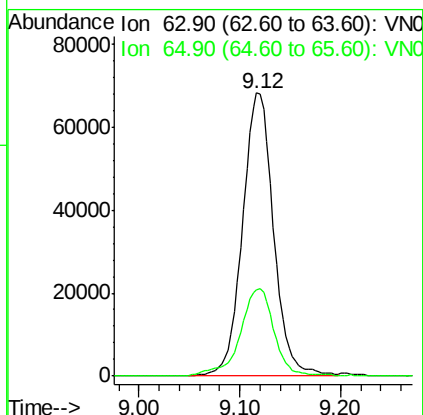
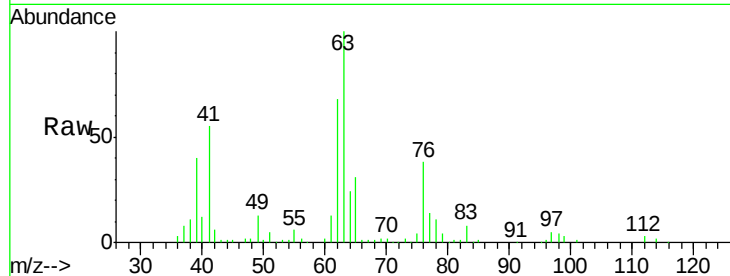




#45
 1,2-Dichloropropane
 Concen: 19.403 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

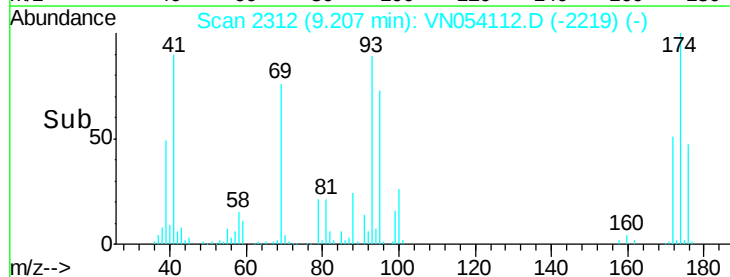
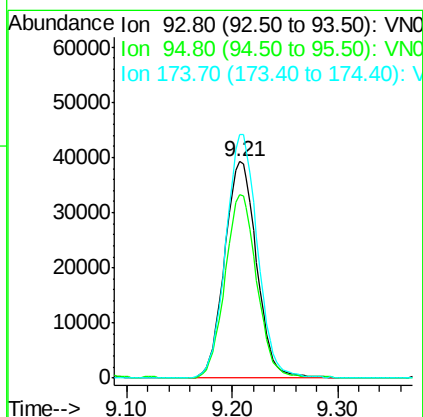
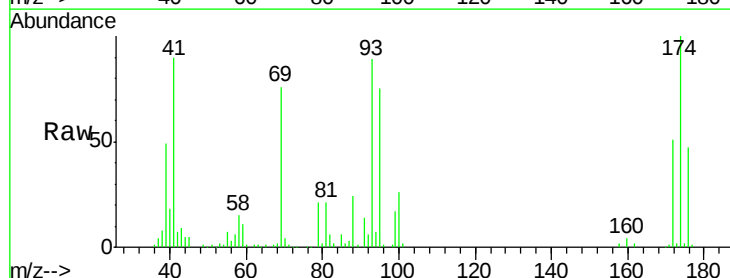
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

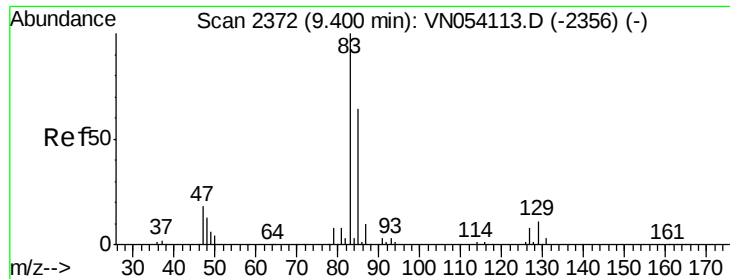
Tgt Ion: 63 Resp: 145232
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 36.8



#46
 Dibromomethane
 Concen: 19.356 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

Tgt Ion: 93 Resp: 82706
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.1 99.1
 174 111.0 86.1 129.1





#47

Bromodichloromethane

Concen: 19.552 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

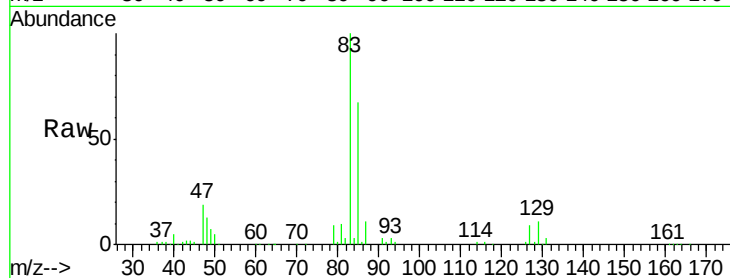
Tgt Ion: 83 Resp: 174882

Ion Ratio Lower Upper

83 100

85 66.7 51.0 76.4

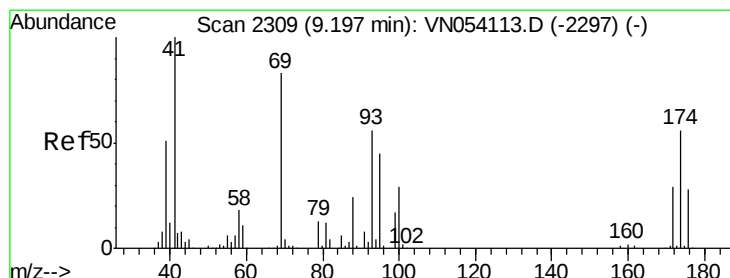
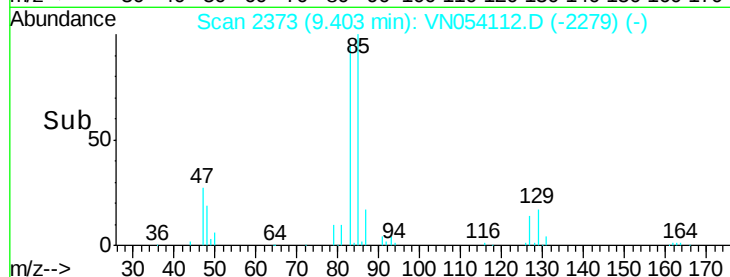
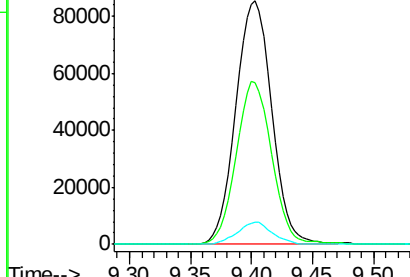
127 9.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN054112.D (-2279) (-)

Ion 84.90 (84.60 to 85.60): VN054112.D (-2279) (-)

Ion 126.80 (126.50 to 127.50): VN054112.D (-2279) (-)



#48

Methyl methacrylate

Concen: 18.293 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

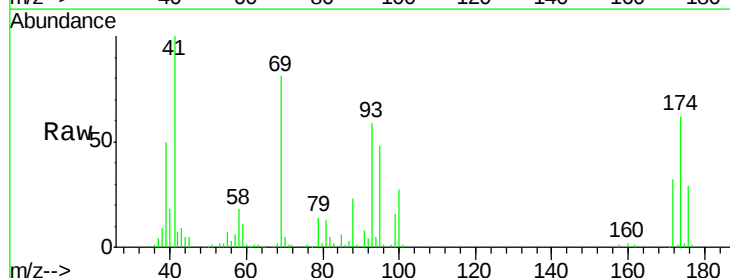
Tgt Ion: 41 Resp: 92326

Ion Ratio Lower Upper

41 100

69 87.6 71.0 106.4

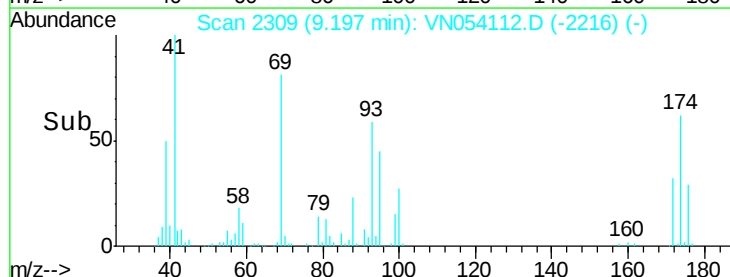
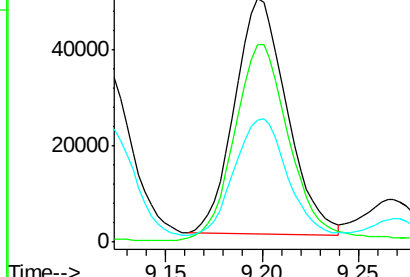
39 55.2 43.7 65.5

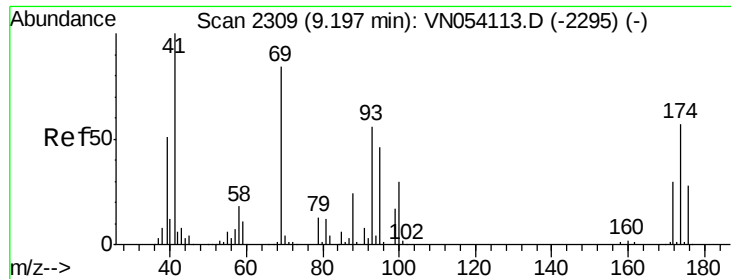


Abundance Ion 41.00 (40.70 to 41.70): VN054112.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN054112.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN054112.D (-2216) (-)

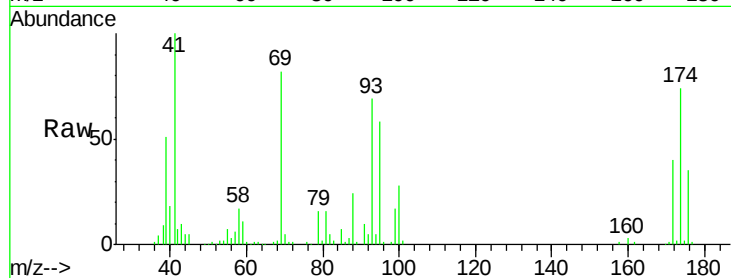




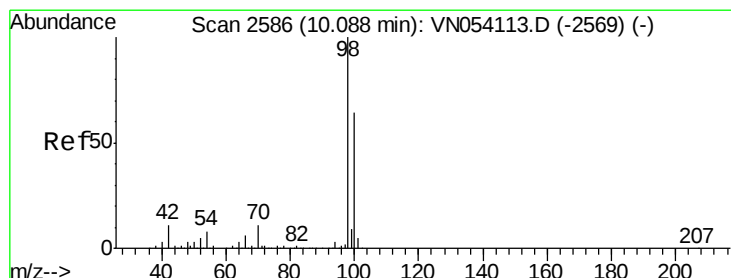
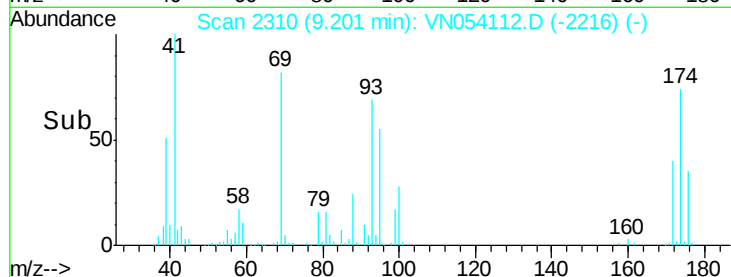
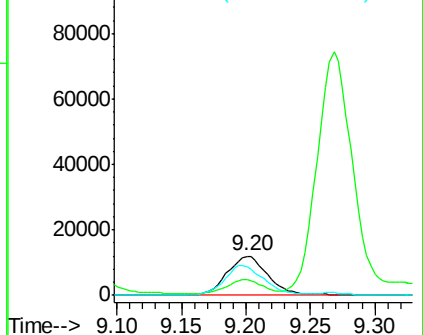
#49
1,4-Dioxane
Concen: 396.884 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 26470
Ion Ratio Lower Upper
88 100
43 29.2 25.5 38.3
58 73.7 58.3 87.5

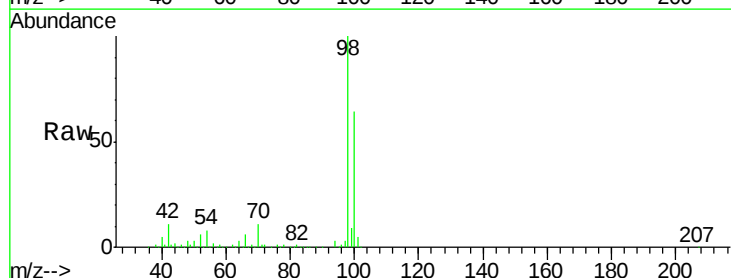


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

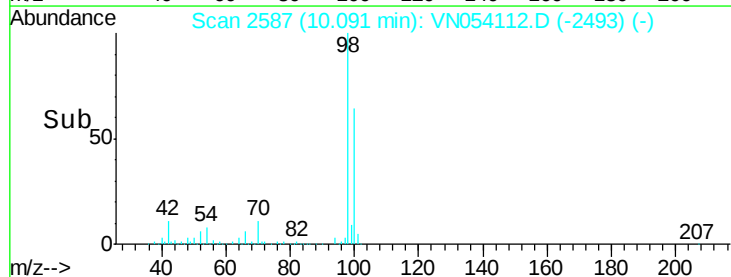
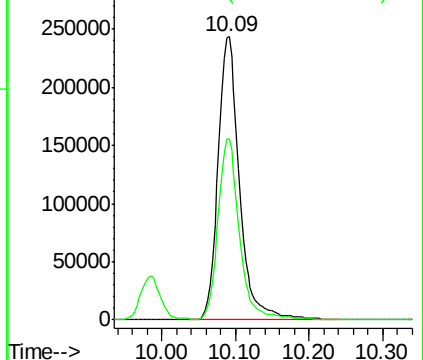


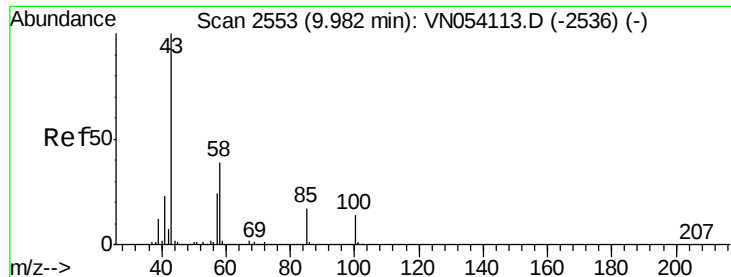
#50
Toluene-d8
Concen: 20.469 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Tgt Ion: 98 Resp: 493352
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 89.698 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

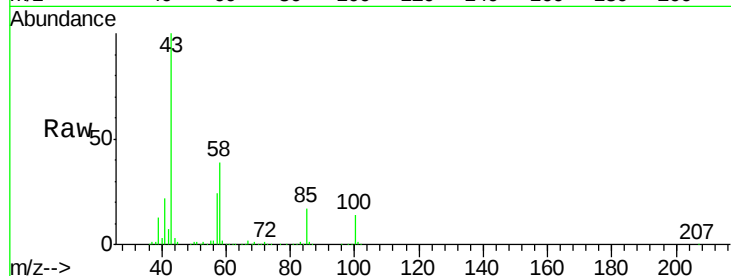
VSTDIC020

Tgt Ion: 43 Resp: 525256

Ion Ratio Lower Upper

43 100

58 38.3 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN054112.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN054112.D (-2460) (-)

9.98

250000

200000

150000

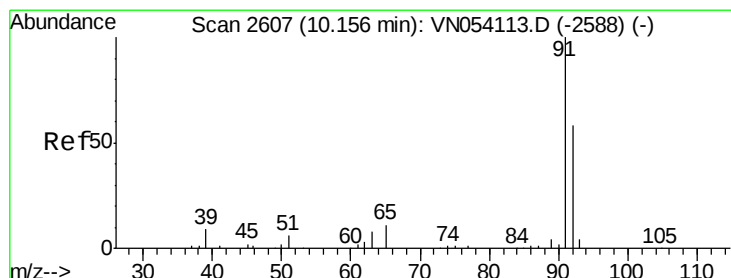
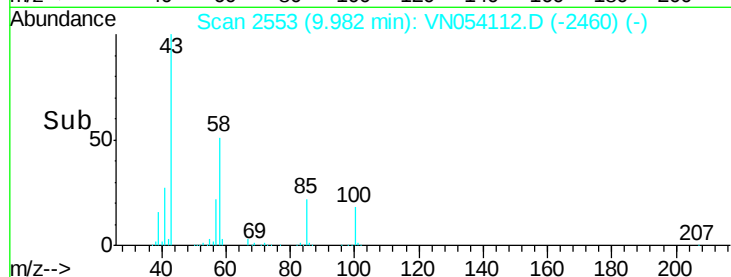
100000

50000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 19.559 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054112.D

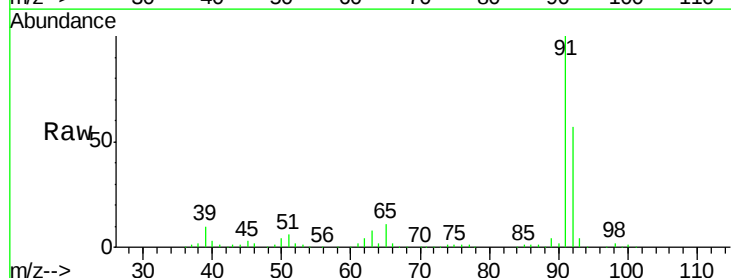
Acq: 6 Mar 2019 11:02

Tgt Ion: 92 Resp: 314466

Ion Ratio Lower Upper

92 100

91 175.3 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VN054112.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN054112.D (-2514) (-)

10.16

300000

250000

200000

150000

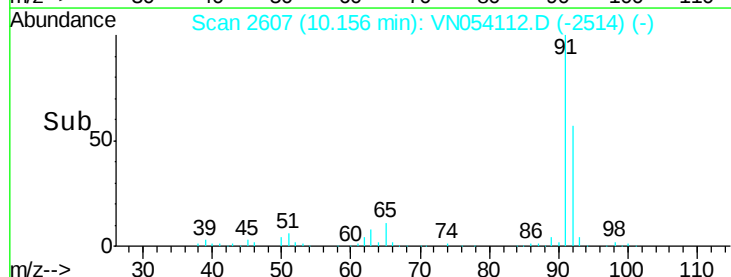
100000

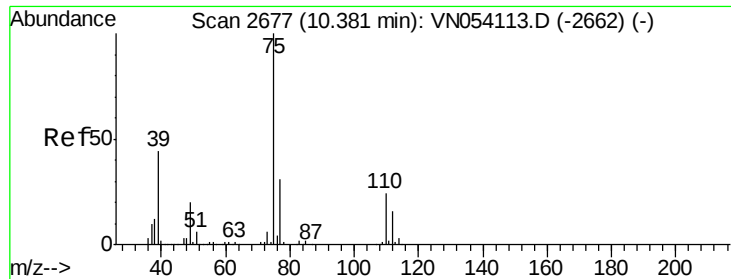
50000

0

10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.544 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

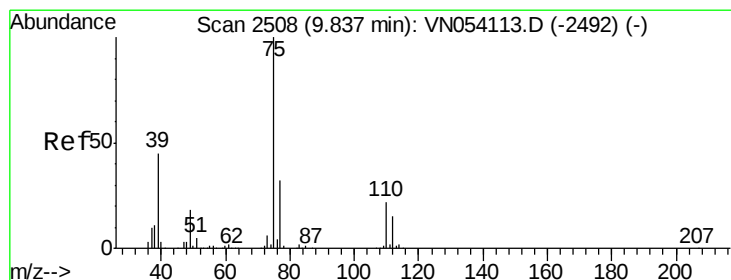
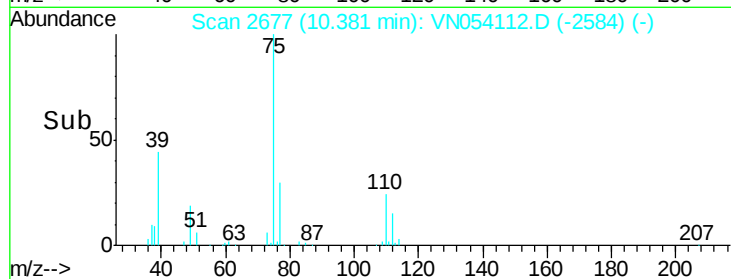
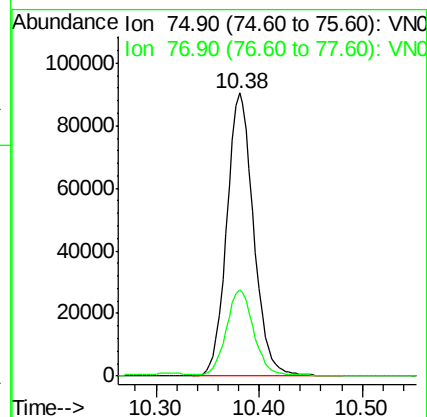
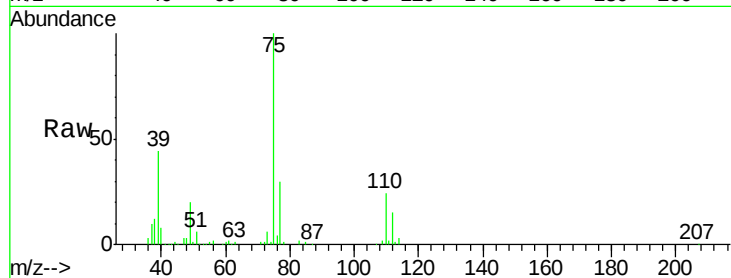
VSTDIC020

Tgt Ion: 75 Resp: 163602

Ion Ratio Lower Upper

75 100

77 30.3 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.209 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

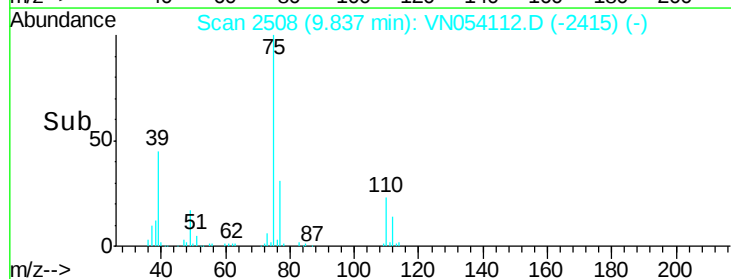
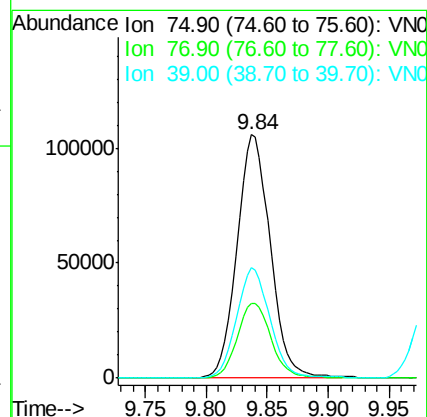
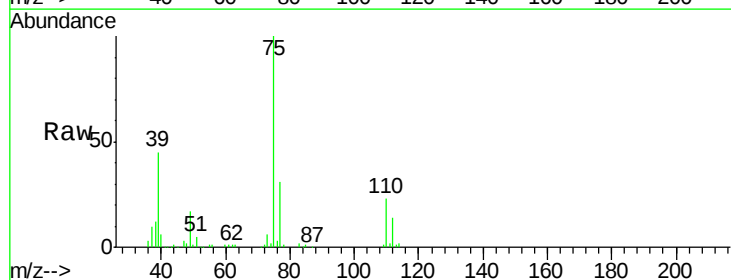
Tgt Ion: 75 Resp: 200294

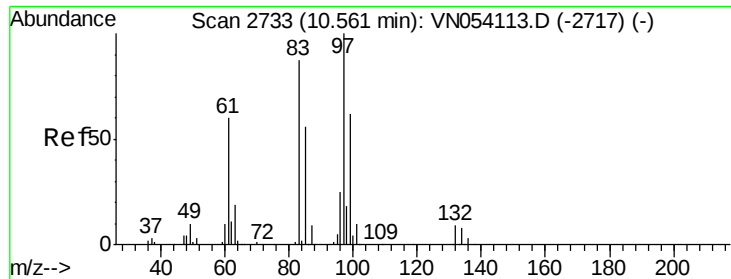
Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 45.1 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 19.274 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tgt Ion: 97 Resp: 11690

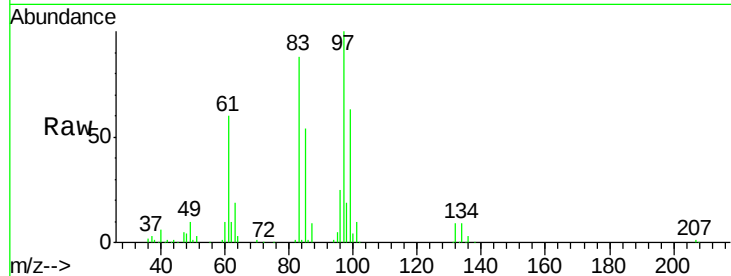
Ion Ratio Lower Upper

97 100

83 88.0 69.8 104.6

85 54.4 45.0 67.4

99 63.2 49.8 74.6

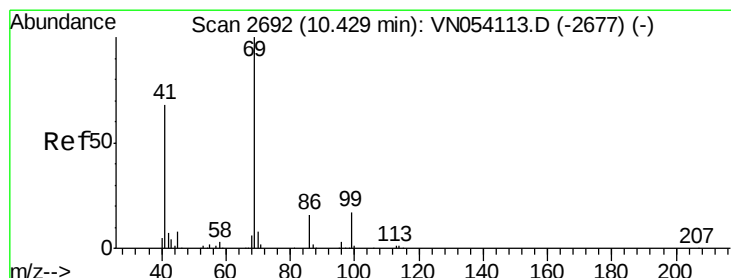
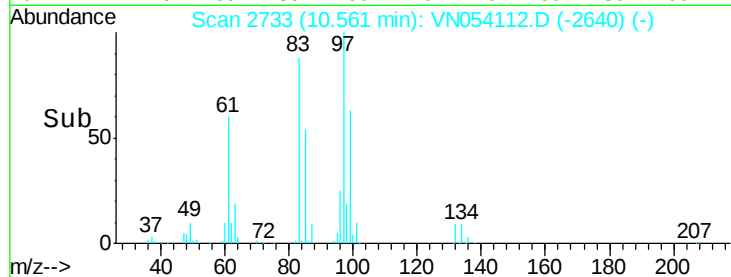
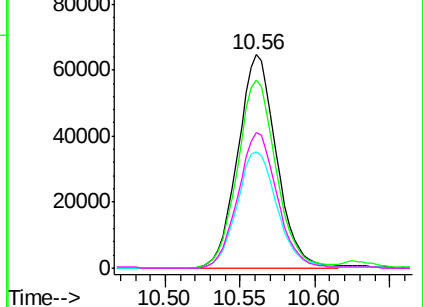


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 17.753 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

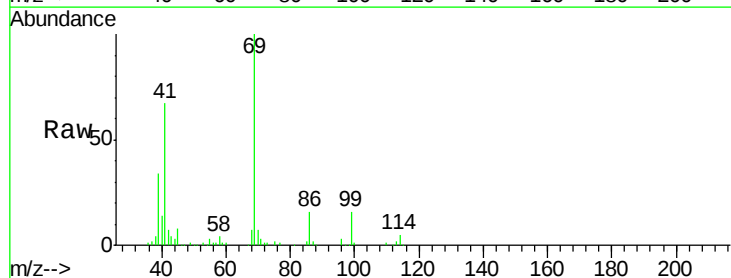
Tgt Ion: 69 Resp: 126172

Ion Ratio Lower Upper

69 100

41 66.3 53.4 80.2

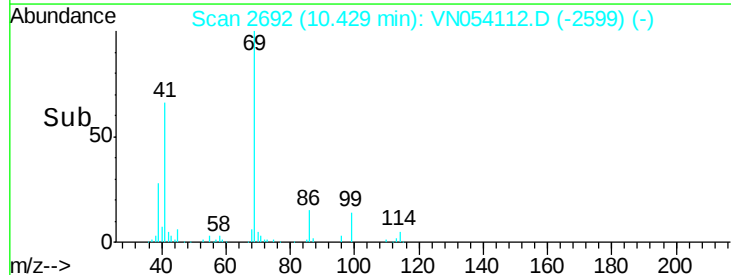
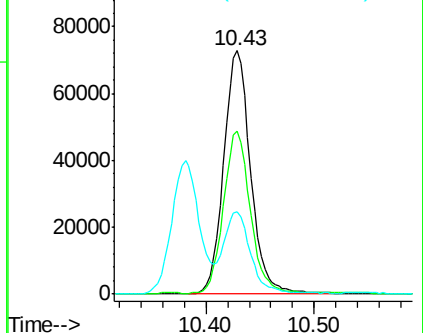
39 33.4 25.6 38.4

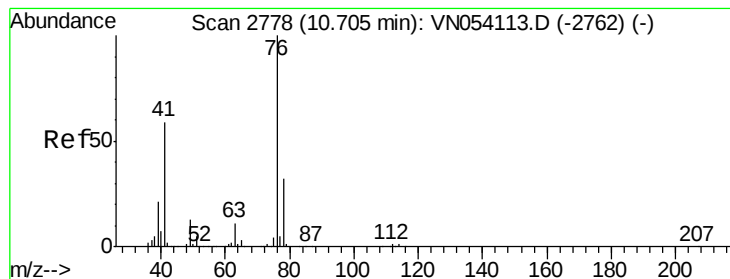


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.452 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

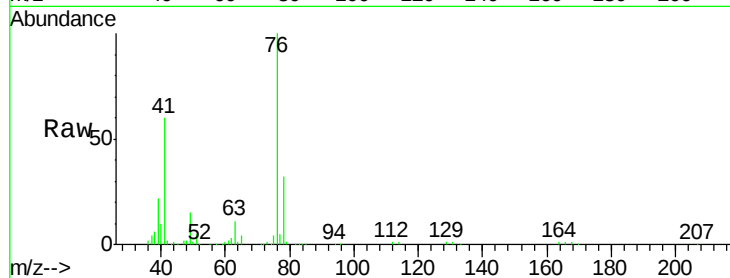
VSTDIC020

Tgt Ion: 76 Resp: 200936

Ion Ratio Lower Upper

76 100

78 32.4 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

120000

100000

80000

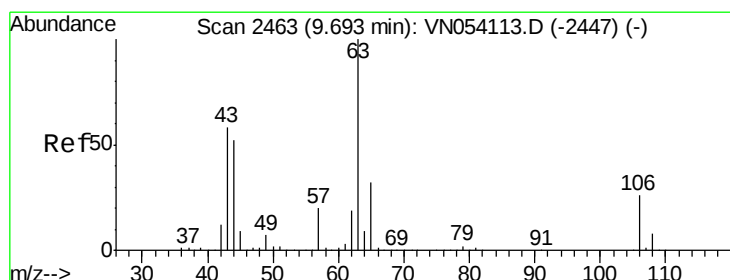
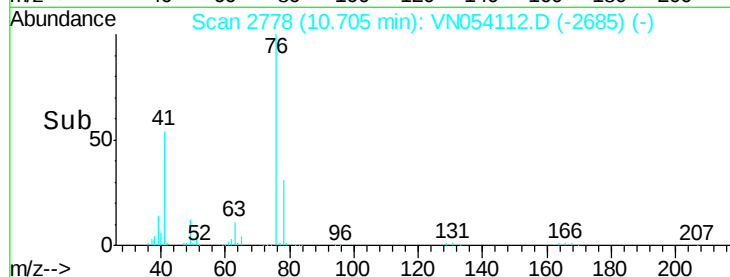
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 90.803 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054112.D

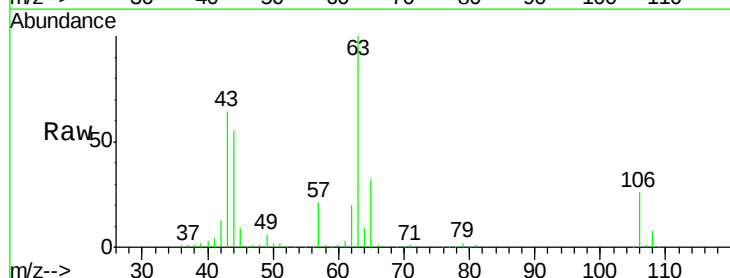
Acq: 6 Mar 2019 11:02

Tgt Ion: 63 Resp: 295386

Ion Ratio Lower Upper

63 100

106 25.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

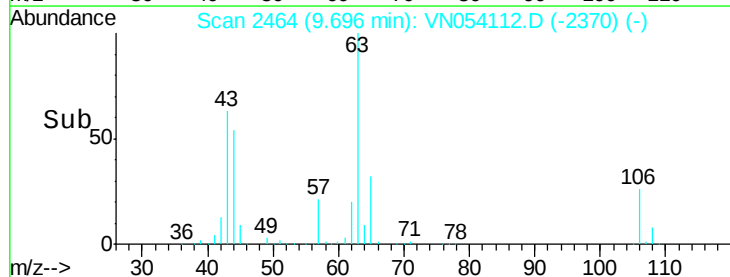
150000

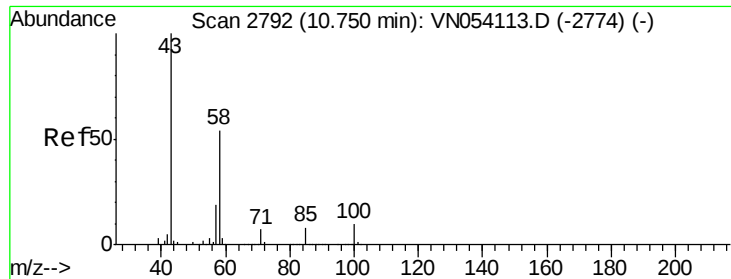
100000

50000

0

Time--> 9.60 9.70 9.80

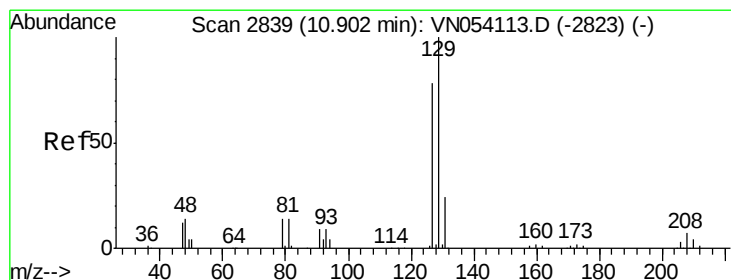
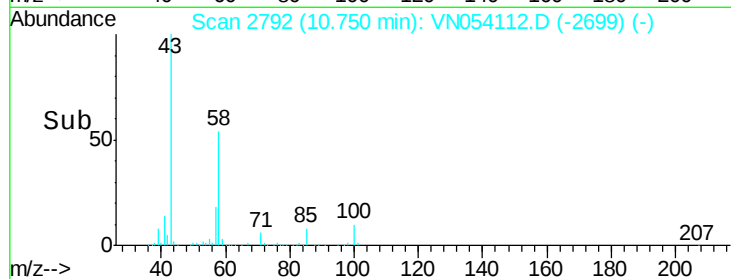
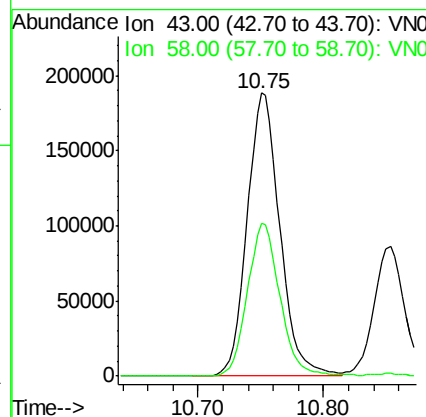
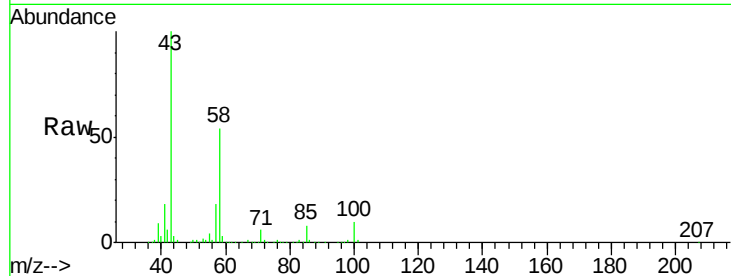




#59
2-Hexanone
Concen: 88.142 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

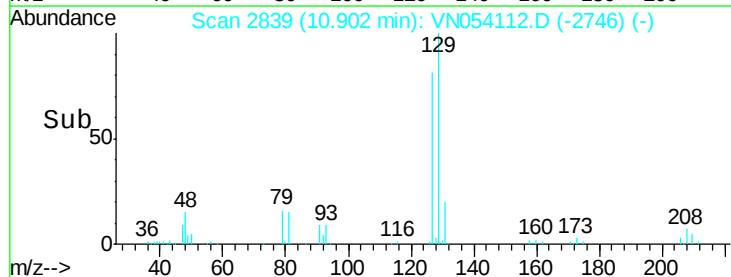
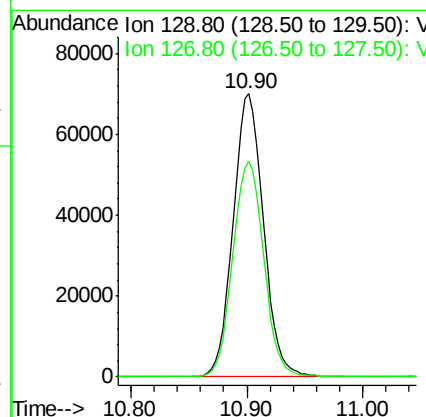
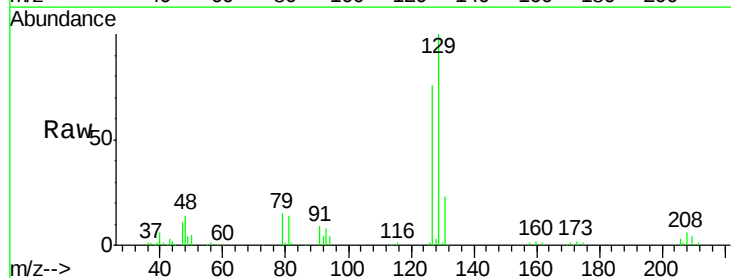
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

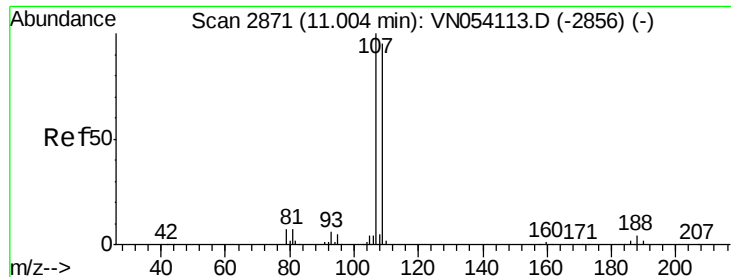
Tgt Ion: 43 Resp: 340503
Ion Ratio Lower Upper
43 100
58 54.0 27.0 81.0



#60
Dibromochloromethane
Concen: 19.513 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Tgt Ion: 129 Resp: 126314
Ion Ratio Lower Upper
129 100
127 77.8 38.8 116.4





#61

1,2-Dibromoethane

Concen: 19.166 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

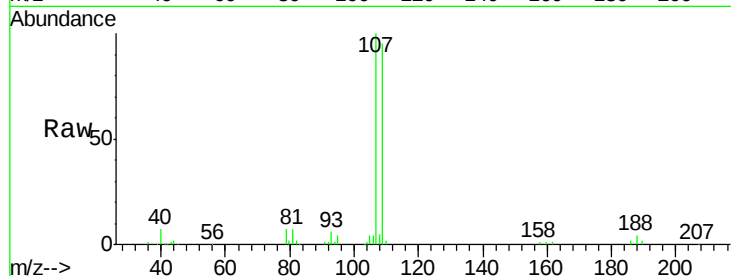
VSTDIC020

Tgt Ion: 107 Resp: 110410

Ion Ratio Lower Upper

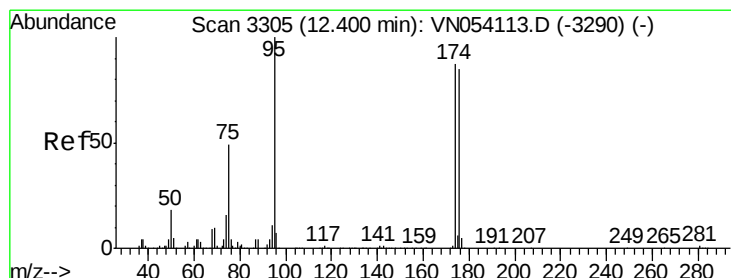
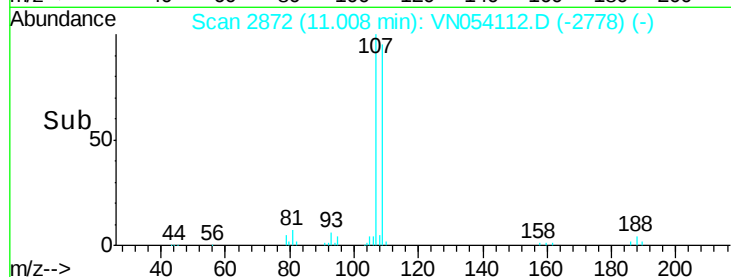
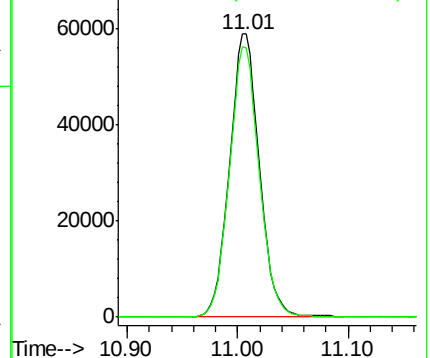
107 100

109 95.4 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.619 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

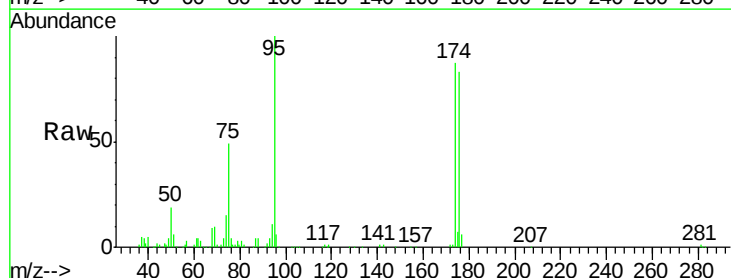
Tgt Ion: 95 Resp: 153948

Ion Ratio Lower Upper

95 100

174 87.4 0.0 173.2

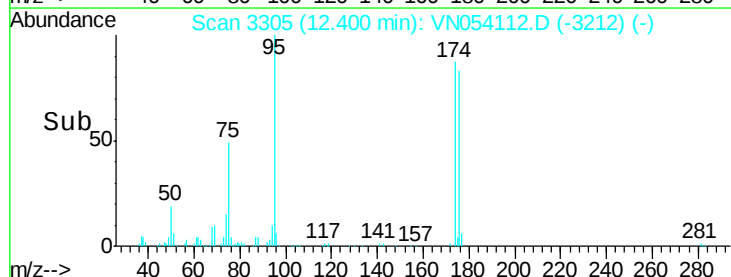
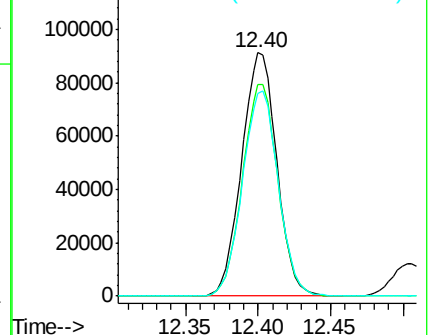
176 85.7 0.0 168.8

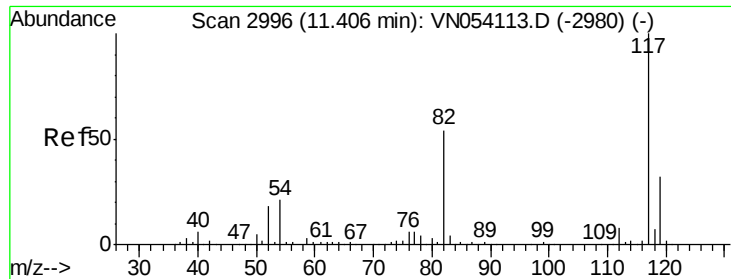


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

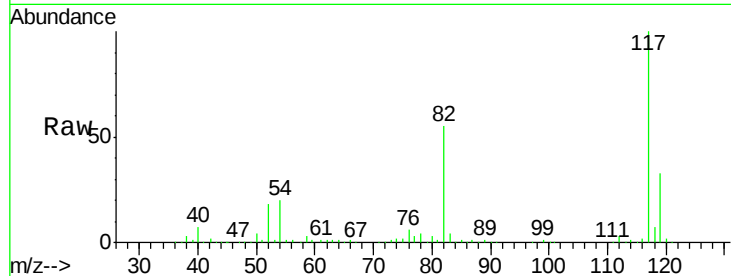




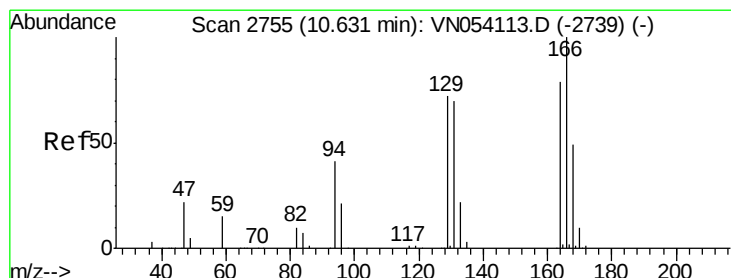
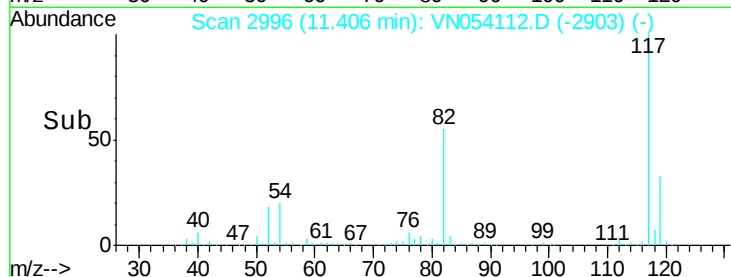
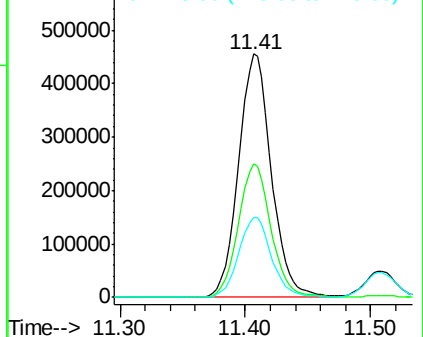
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 828851
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.2
119 32.7 26.0 39.0



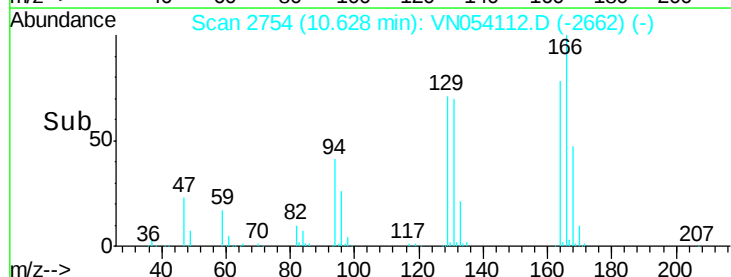
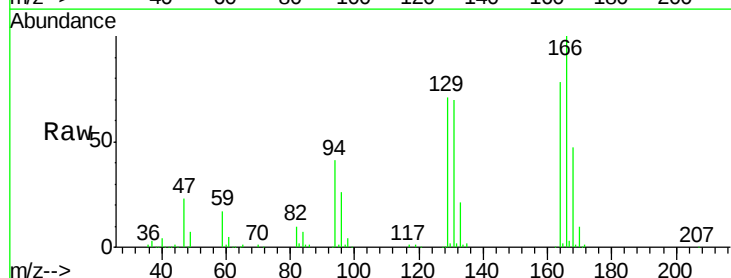
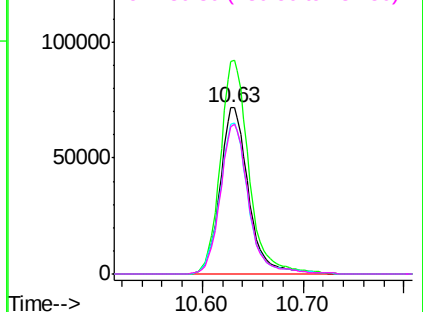
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

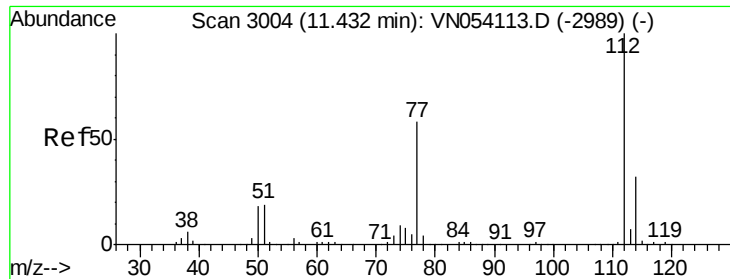


#64
Tetrachloroethene
Concen: 20.761 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Tgt Ion:164 Resp: 141219
Ion Ratio Lower Upper
164 100
166 127.6 101.3 151.9
129 90.3 73.2 109.8
131 88.8 70.8 106.2

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: 19.191 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

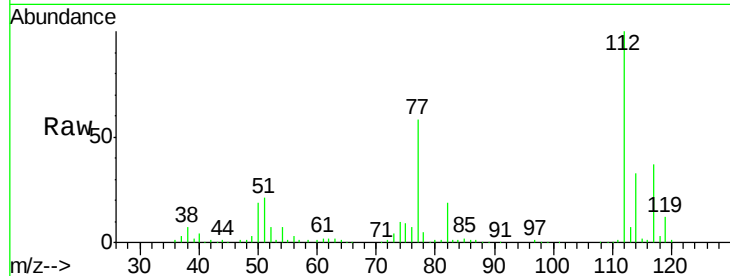
VSTDIC020

Tgt Ion:112 Resp: 331026

Ion Ratio Lower Upper

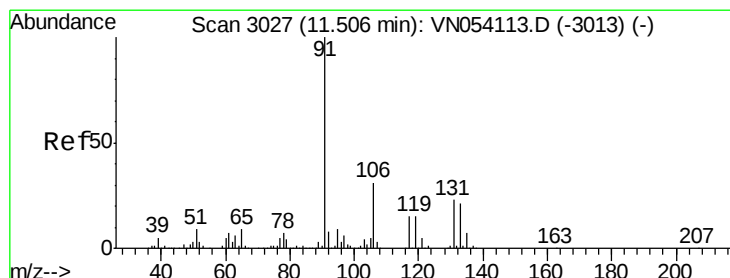
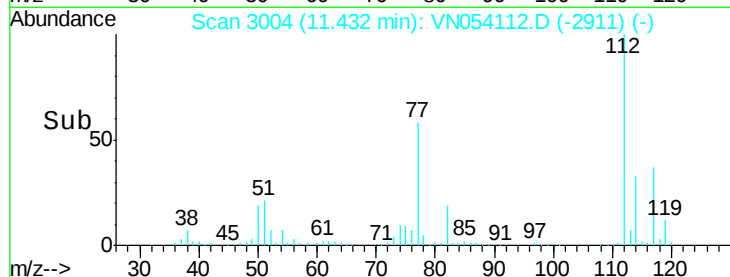
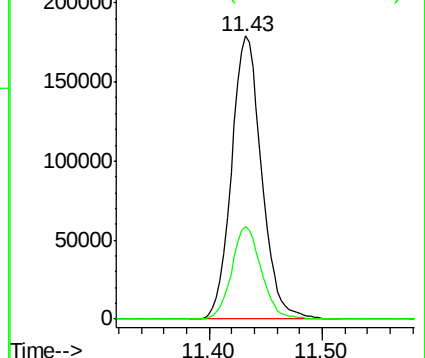
112 100

114 32.8 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.950 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

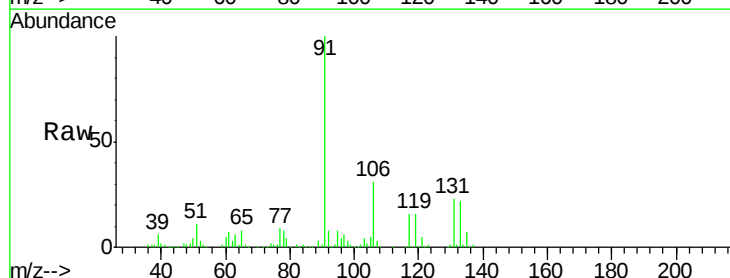
Tgt Ion:131 Resp: 123179

Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.9

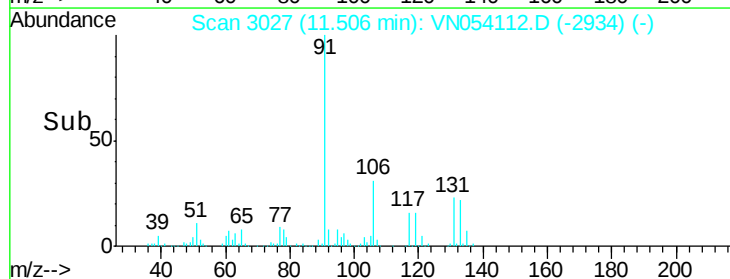
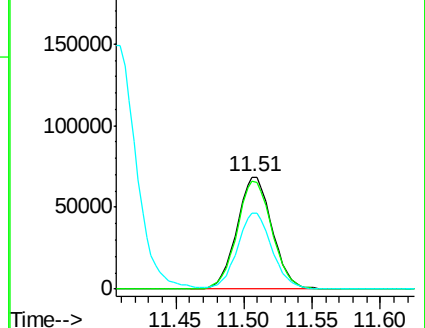
119 65.9 33.8 101.3

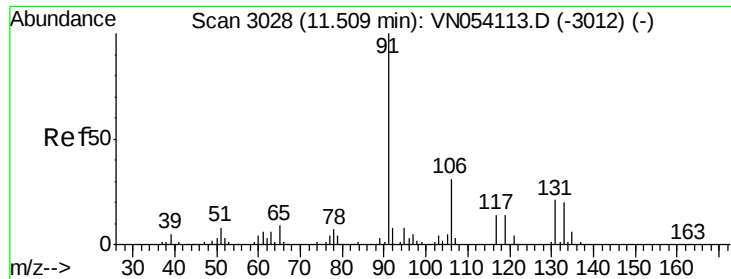


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

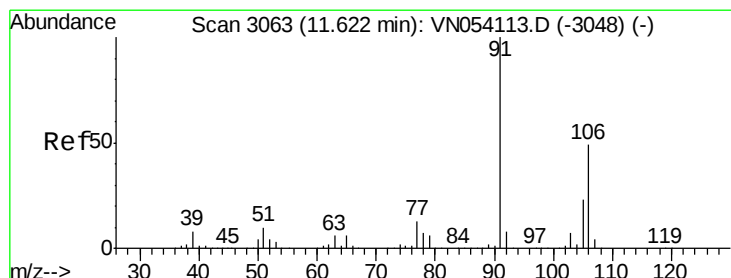
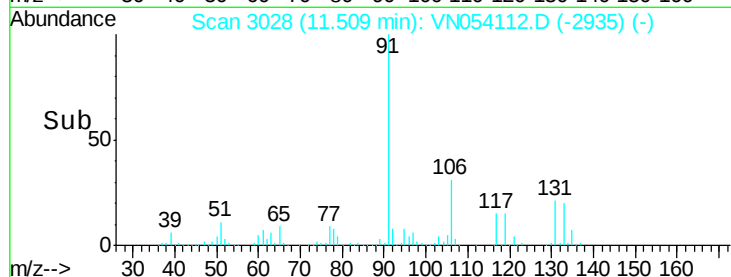
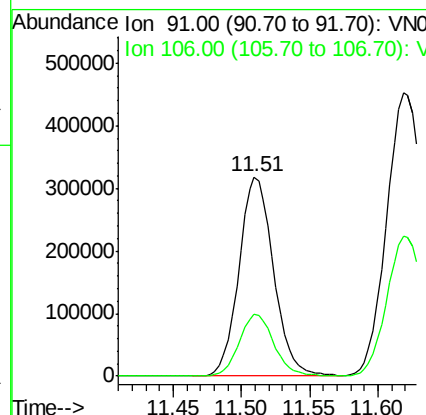
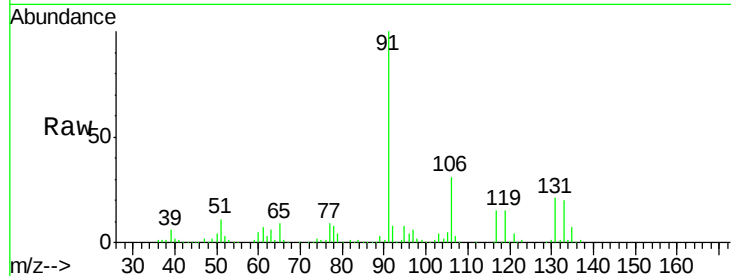




#67
Ethyl Benzene
Concen: 19.418 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

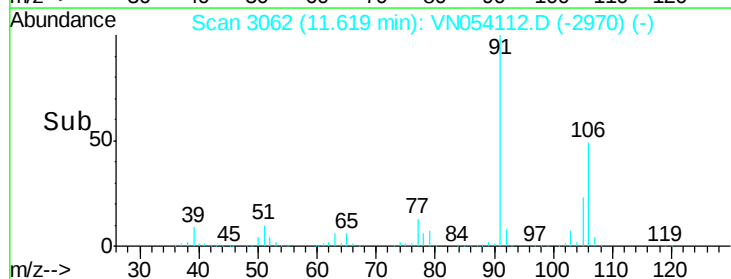
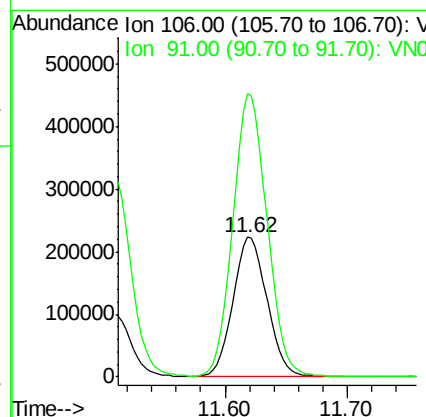
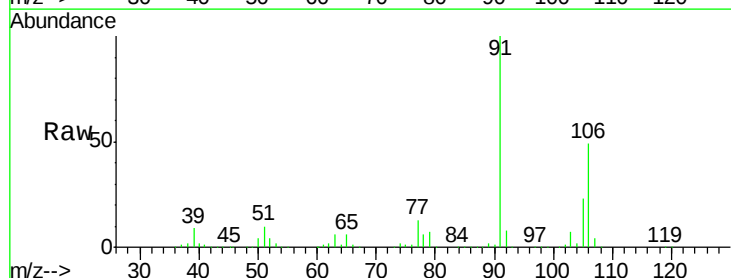
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

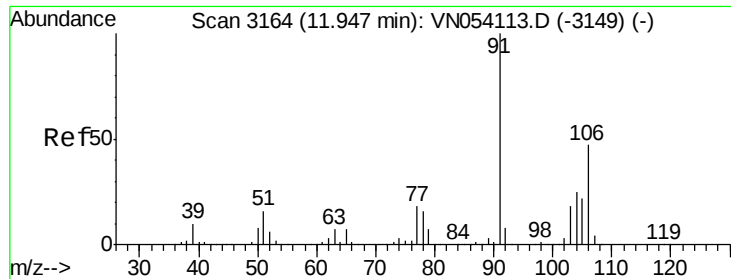
Tgt Ion: 91 Resp: 560469
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8



#68
m/p-Xylenes
Concen: 39.731 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Tgt Ion: 106 Resp: 432762
Ion Ratio Lower Upper
106 100
91 204.0 163.2 244.8

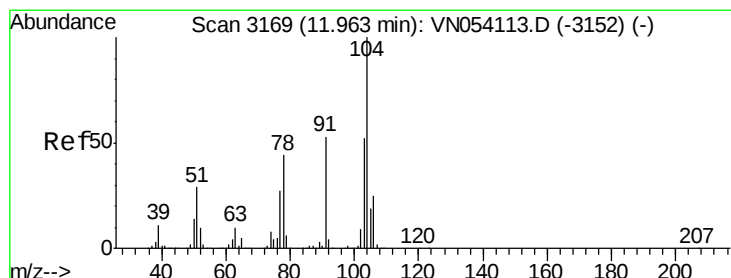
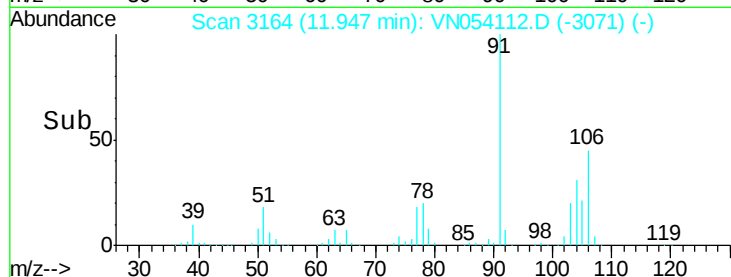
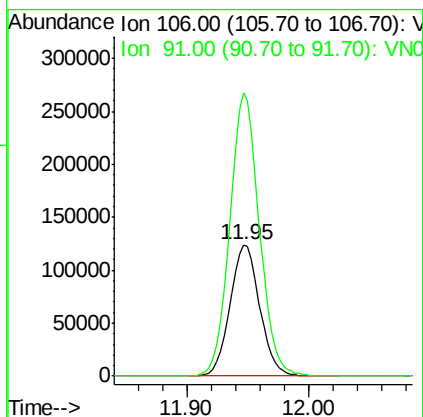
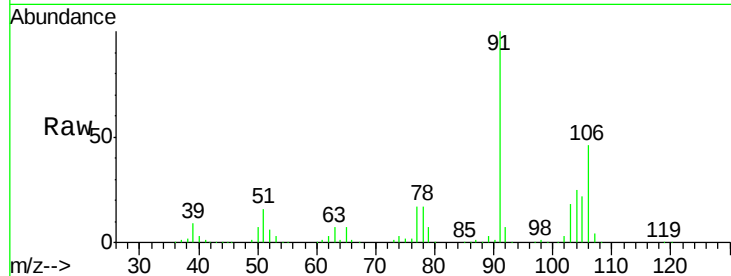




#69
o-Xylene
Concen: 20.044 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

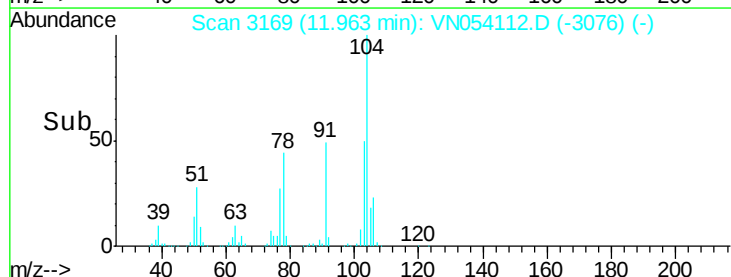
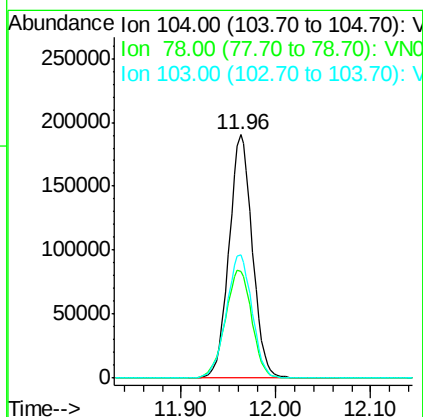
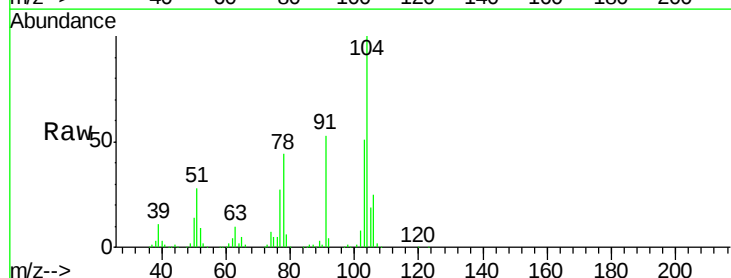
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

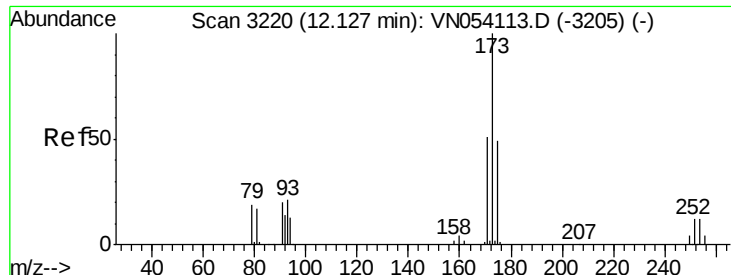
Tgt Ion:106 Resp: 210087
Ion Ratio Lower Upper
106 100
91 214.3 107.1 321.3



#70
Styrene
Concen: 19.601 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Tgt Ion:104 Resp: 326125
Ion Ratio Lower Upper
104 100
78 50.4 39.4 59.0
103 55.9 44.7 67.1

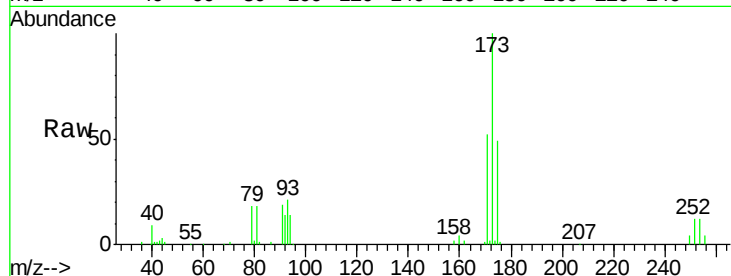




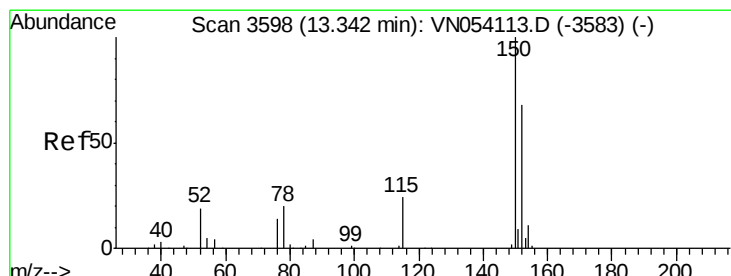
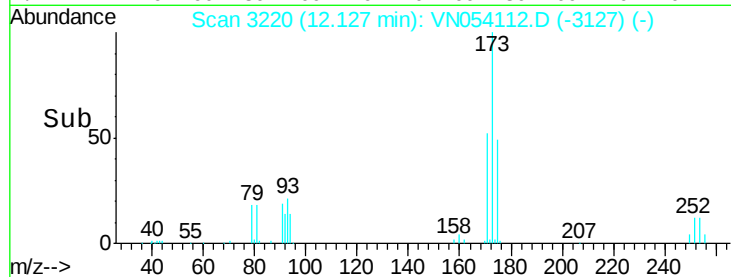
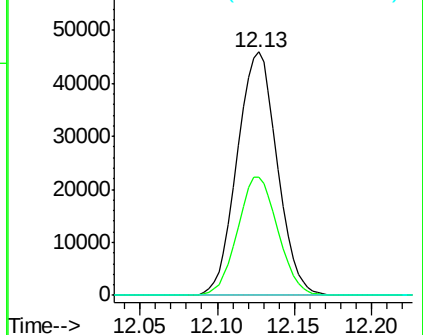
#71
Bromoform
Concen: 19.459 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:173 Resp: 82689
Ion Ratio Lower Upper
173 100
175 48.9 24.1 72.2
254 0.0 0.0 0.0

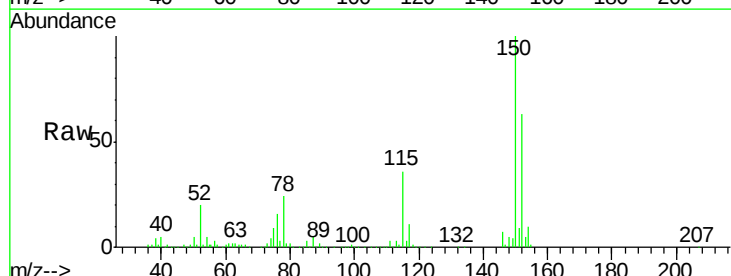


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

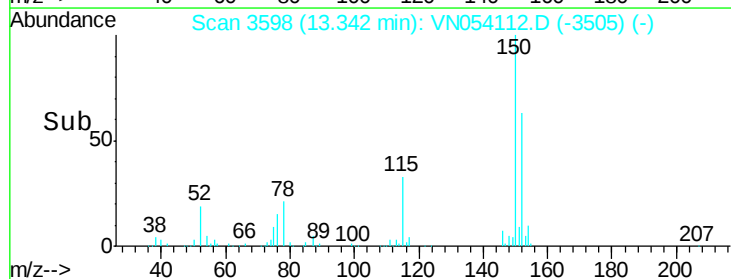
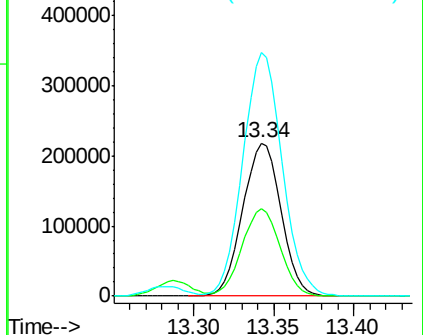


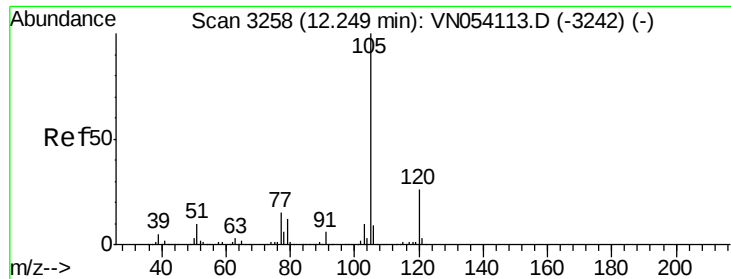
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Tgt Ion:152 Resp: 357127
Ion Ratio Lower Upper
152 100
115 57.0 28.5 85.6
150 164.2 0.0 343.2



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: 19.544 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

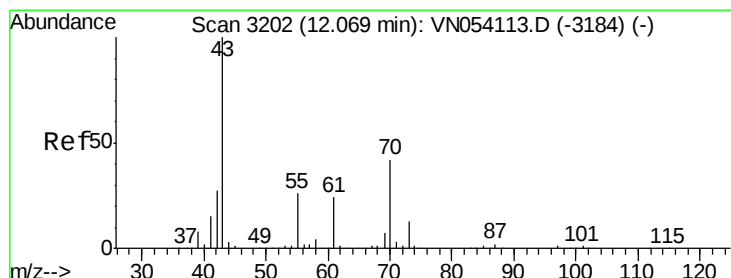
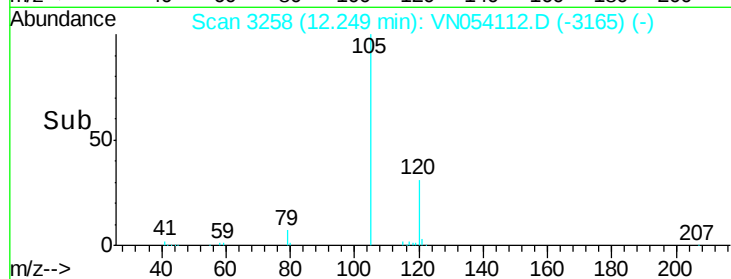
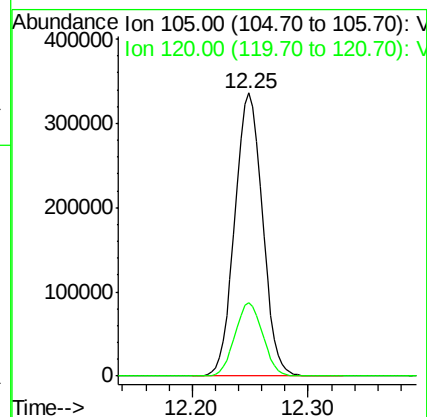
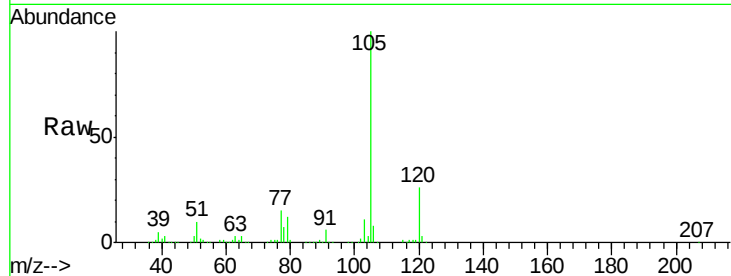
VSTDIC020

Tgt Ion: 105 Resp: 555363

Ion Ratio Lower Upper

105 100

120 26.0 13.3 39.8



#74

N-ethyl acetate

Concen: 17.996 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Tgt Ion: 43 Resp: 135438

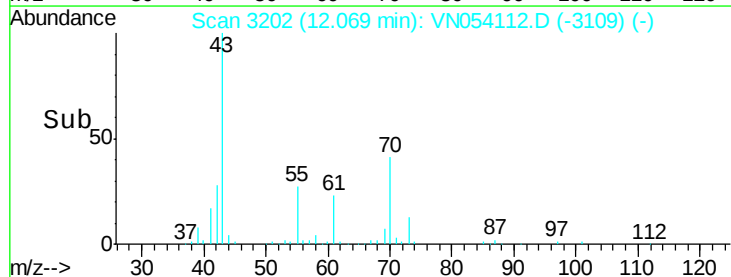
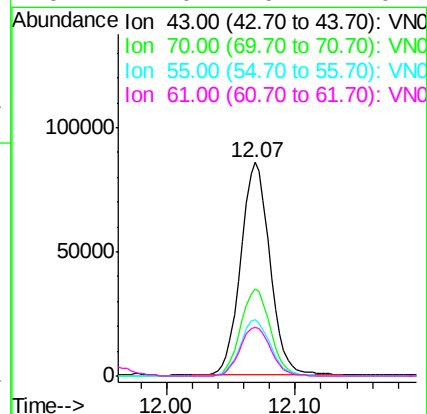
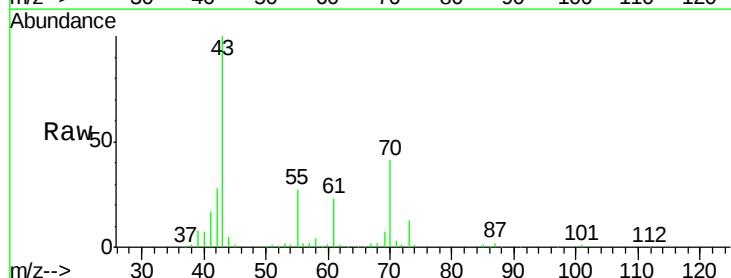
Ion Ratio Lower Upper

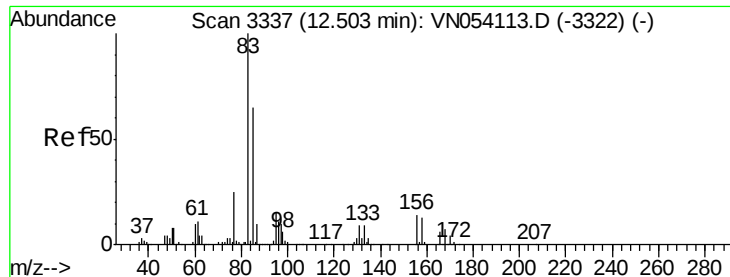
43 100

70 41.6 33.6 50.4

55 27.6 20.6 31.0

61 24.0 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.056 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

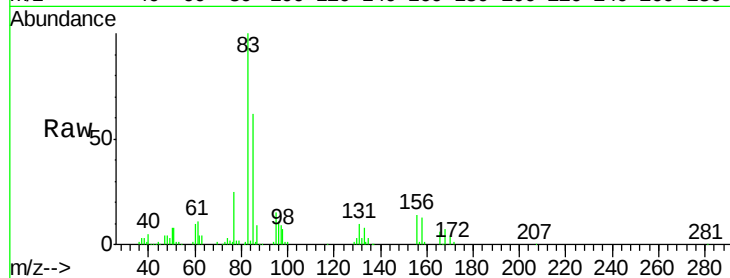
Tgt Ion: 83 Resp: 133542

Ion Ratio Lower Upper

83 100

131 10.1 5.0 14.9

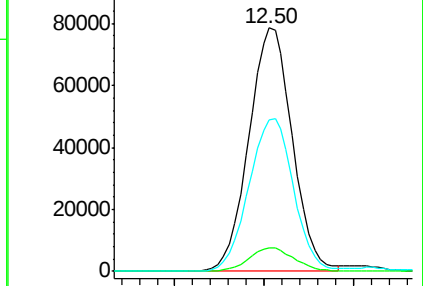
85 64.4 32.4 97.0



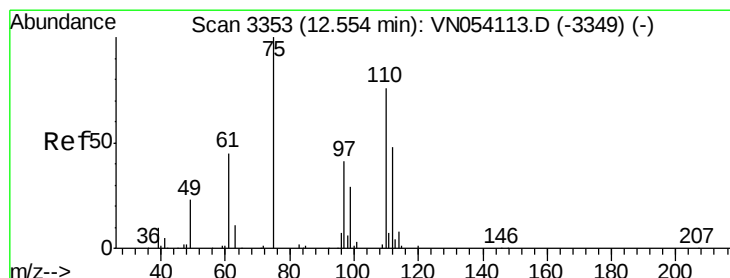
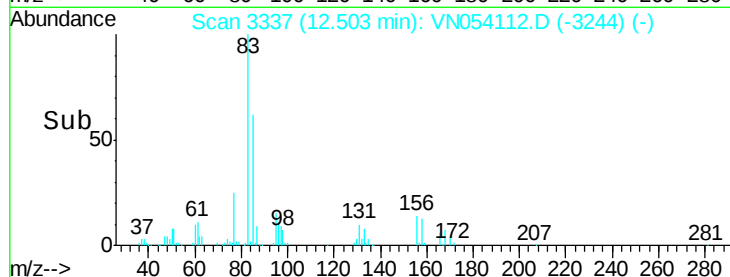
Abundance Ion 82.90 (82.60 to 83.60): VN054112.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN054112.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN054112.D (-3244) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 28.923 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054112.D

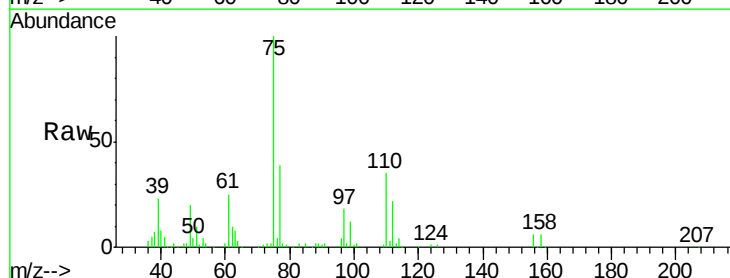
Acq: 6 Mar 2019 11:02

Tgt Ion: 75 Resp: 161498

Ion Ratio Lower Upper

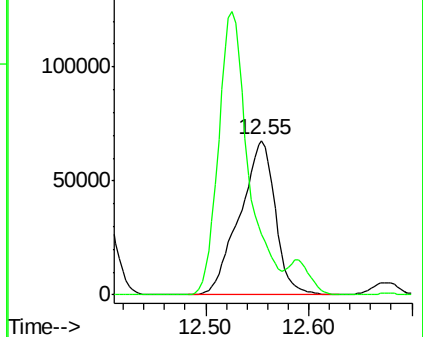
75 100

77 0.0 0.0 0.0

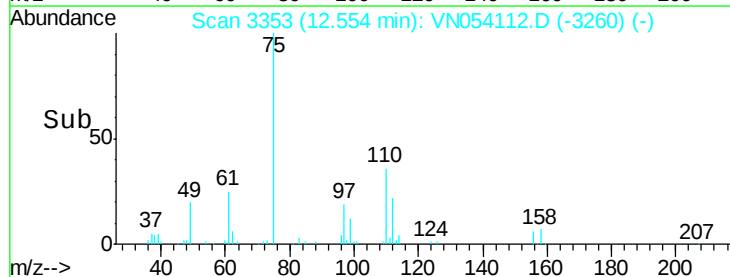


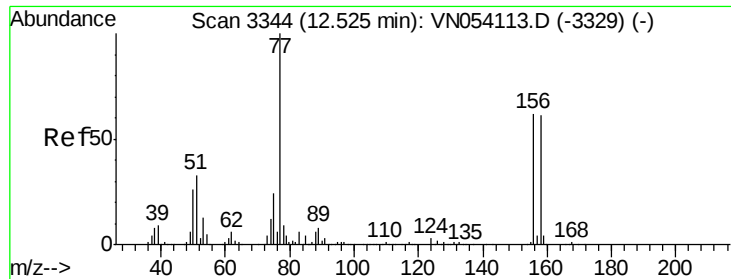
Abundance Ion 74.90 (74.60 to 75.60): VN054112.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054112.D (-3260) (-)



Time-->





#77

Bromobenzene

Concen: 18.268 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

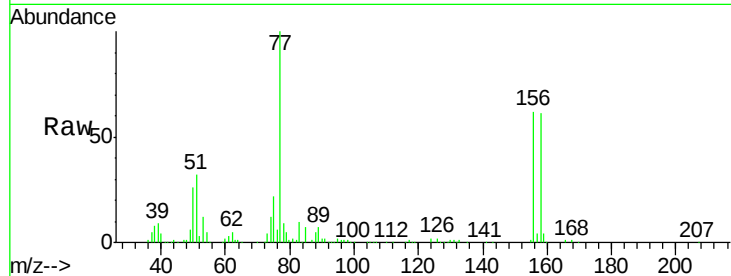
Tgt Ion:156 Resp: 133741

Ion Ratio Lower Upper

156 100

77 187.7 93.6 280.8

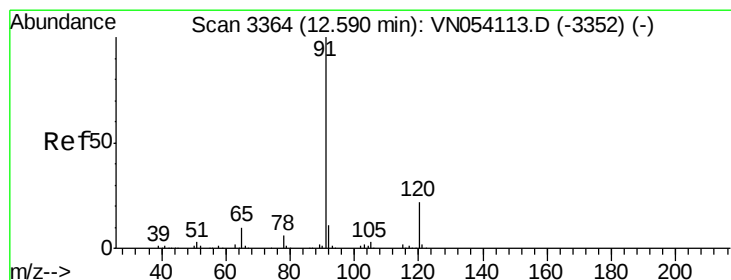
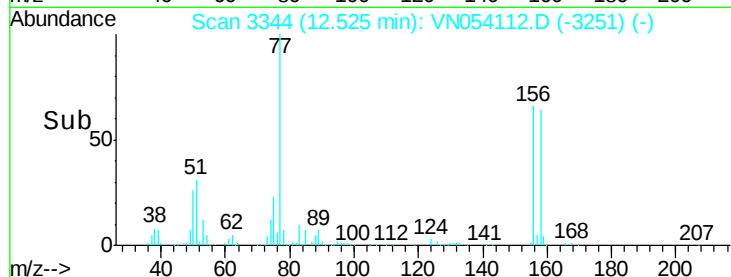
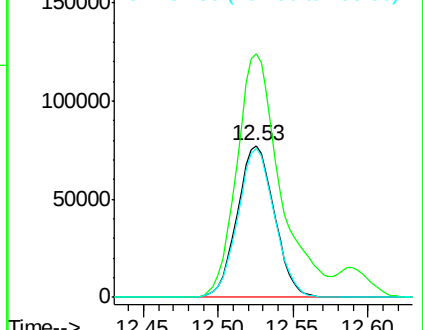
158 97.2 48.4 145.0



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: 19.447 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054112.D

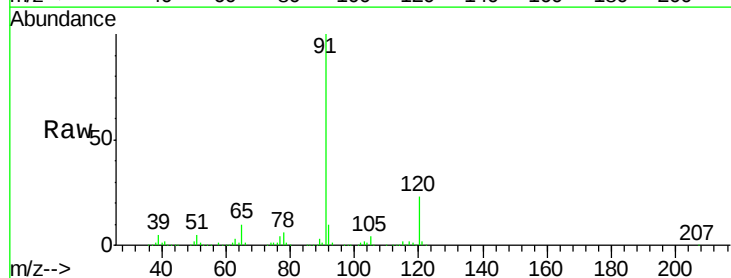
Acq: 6 Mar 2019 11:02

Tgt Ion: 91 Resp: 621836

Ion Ratio Lower Upper

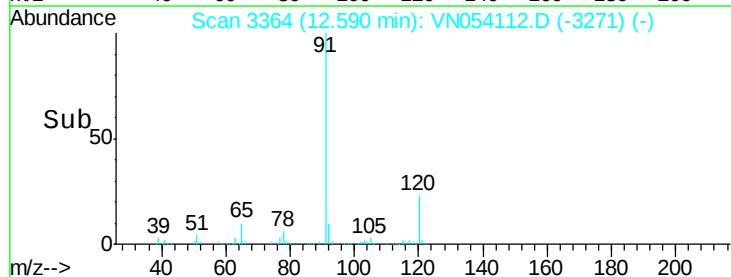
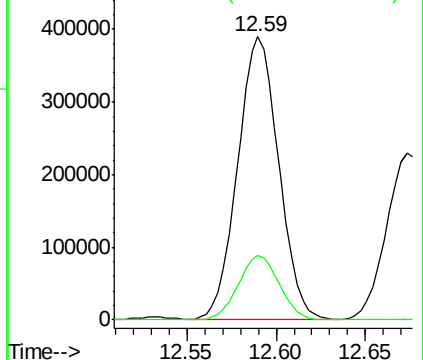
91 100

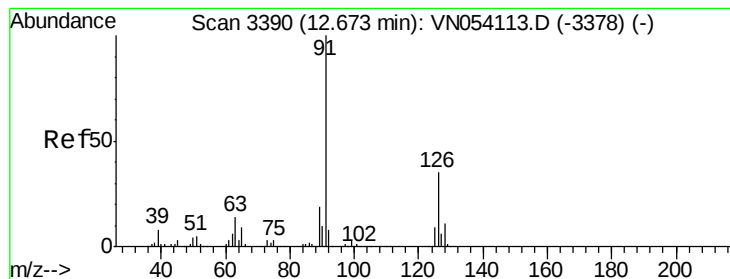
120 22.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.624 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

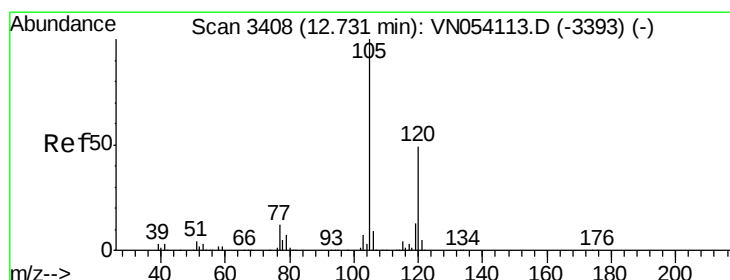
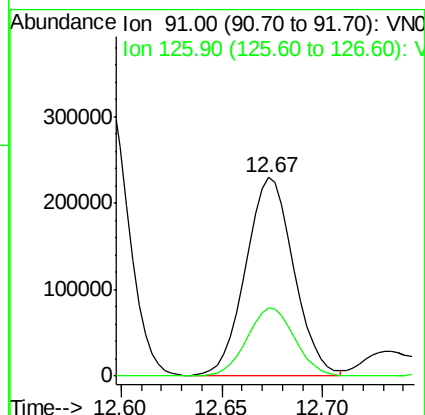
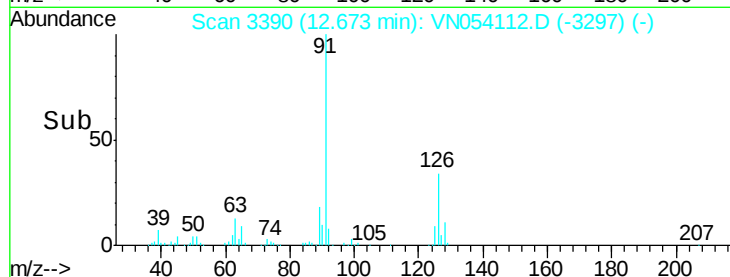
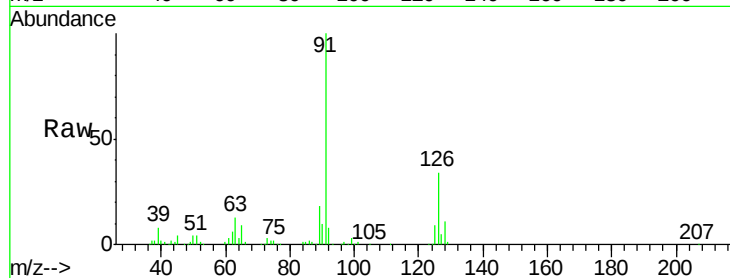
VSTDIC020

Tgt Ion: 91 Resp: 381110

Ion Ratio Lower Upper

91 100

126 34.5 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 20.020 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054112.D

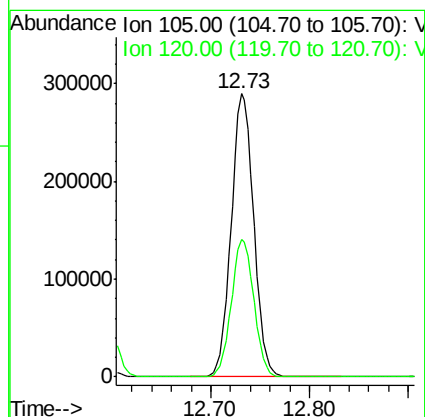
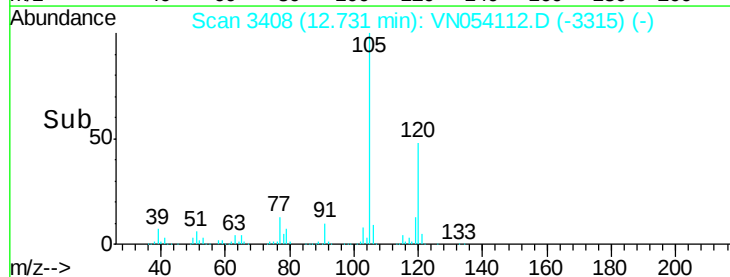
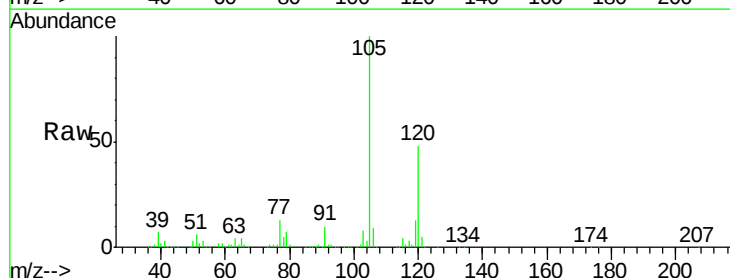
Acq: 6 Mar 2019 11:02

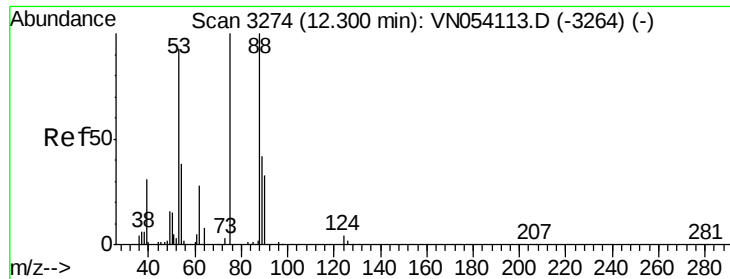
Tgt Ion: 105 Resp: 462455

Ion Ratio Lower Upper

105 100

120 48.7 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.763 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

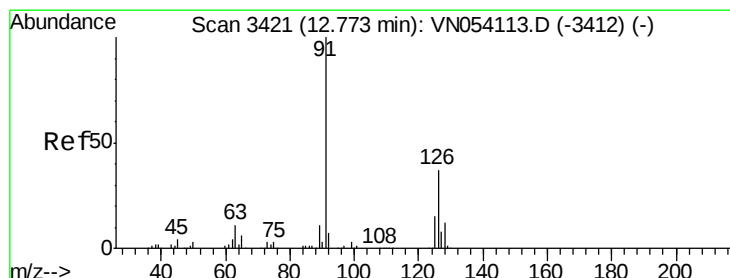
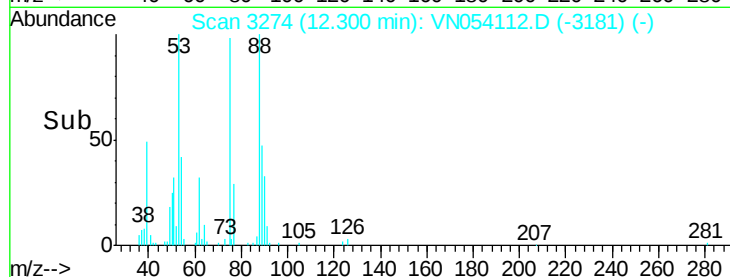
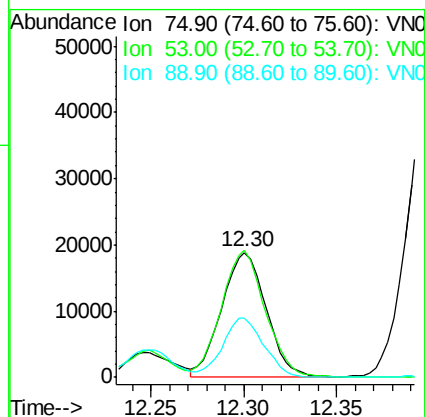
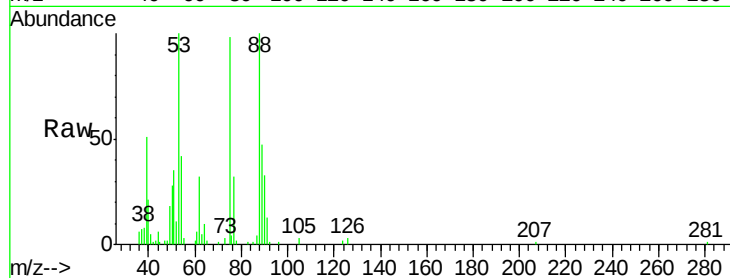
Tgt Ion: 75 Resp: 31481

Ion Ratio Lower Upper

75 100

53 101.0 76.4 114.6

89 44.0 35.3 52.9



#82

4-Chlorotoluene

Concen: 19.191 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054112.D

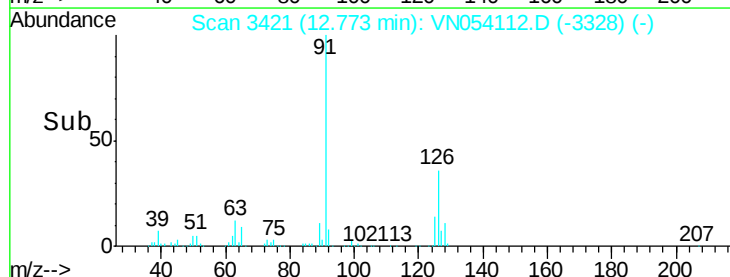
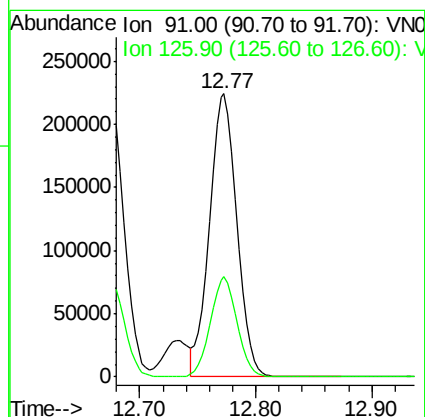
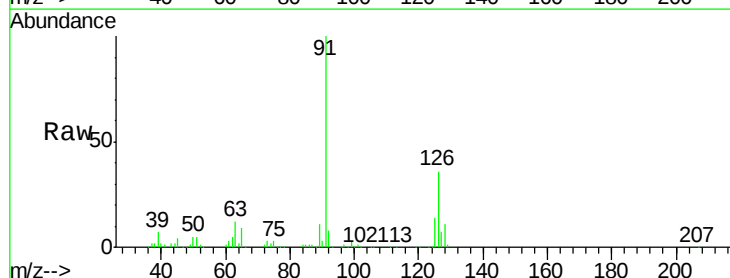
Acq: 6 Mar 2019 11:02

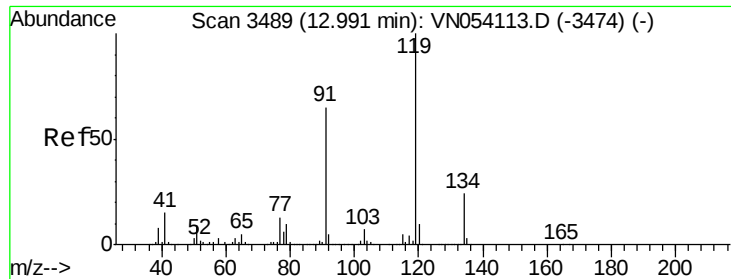
Tgt Ion: 91 Resp: 371519

Ion Ratio Lower Upper

91 100

126 34.4 17.1 51.3

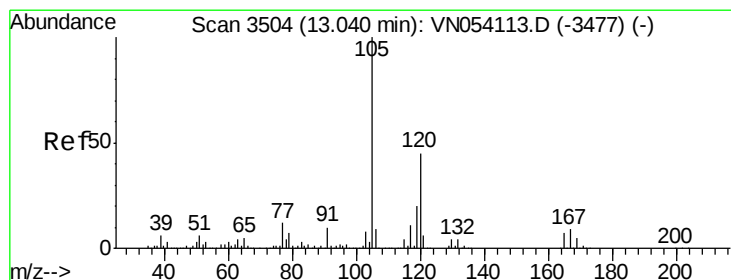
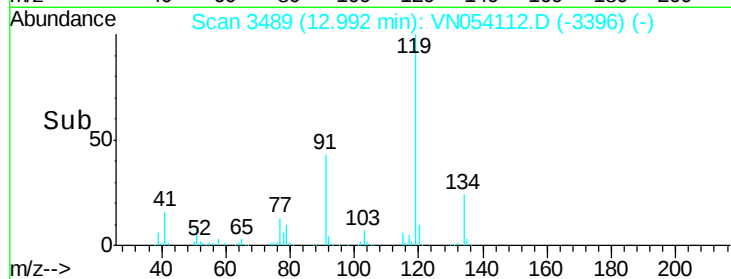
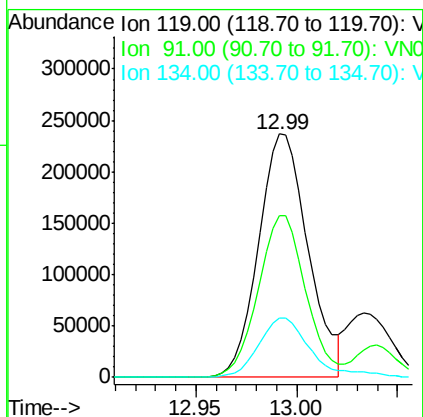
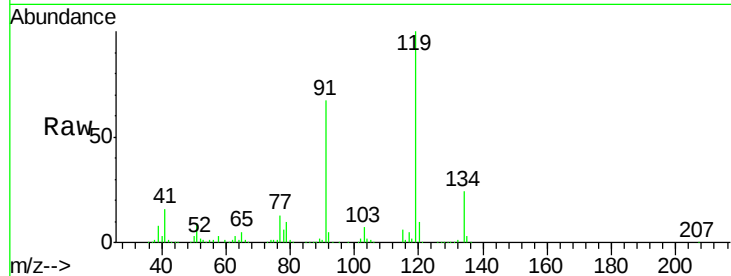




#83
tert-Butylbenzene
Concen: 19.804 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

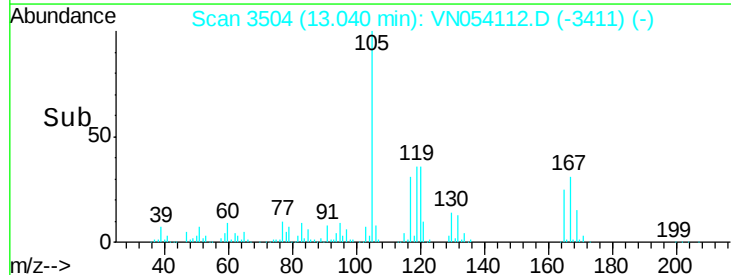
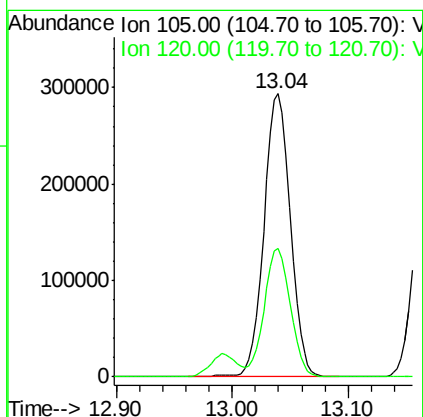
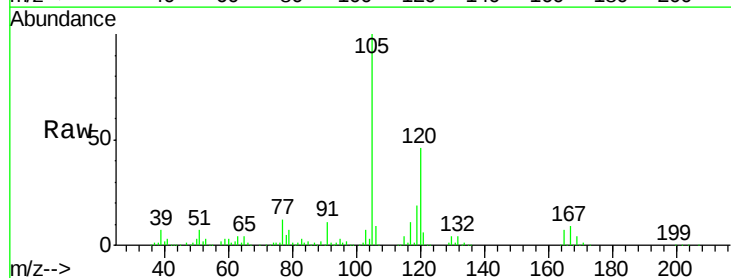
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

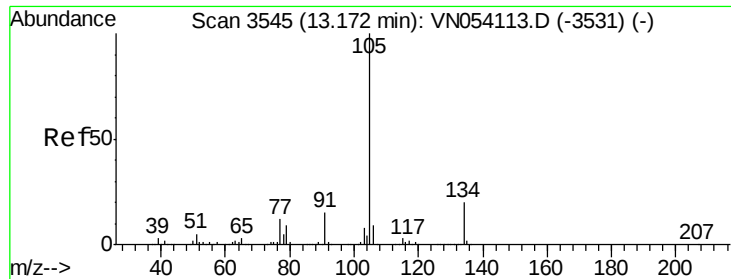
Tgt Ion:119 Resp: 405120
Ion Ratio Lower Upper
119 100
91 64.0 31.8 95.3
134 25.7 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 20.214 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054112.D
Acq: 6 Mar 2019 11:02

Tgt Ion:105 Resp: 463437
Ion Ratio Lower Upper
105 100
120 45.1 22.6 67.7

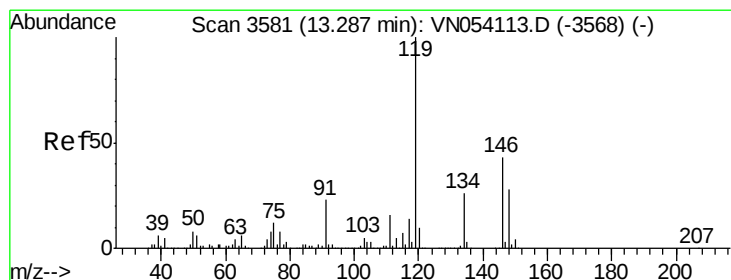
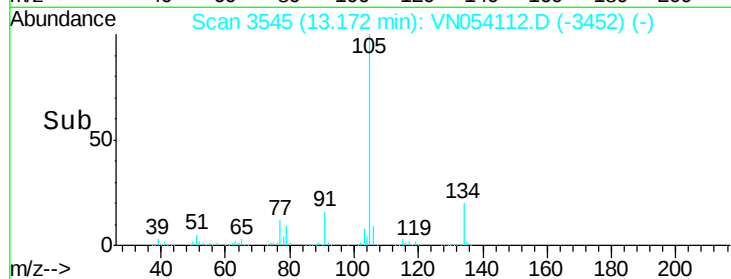
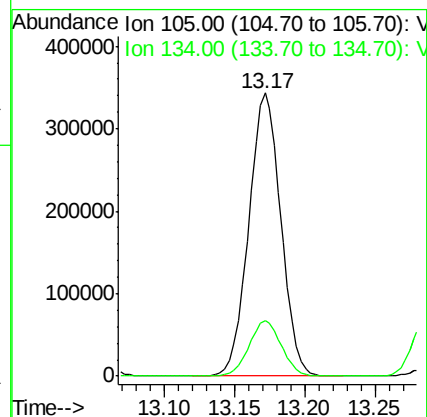
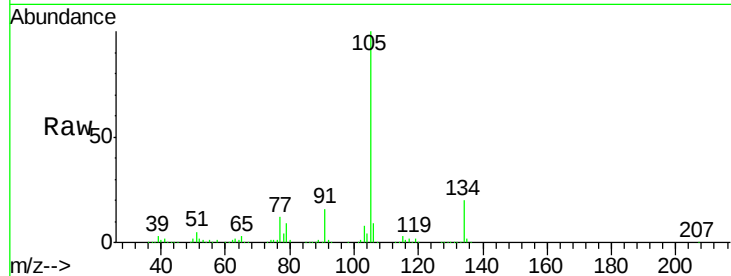




#85
 sec-Butylbenzene
 Concen: 19.629 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

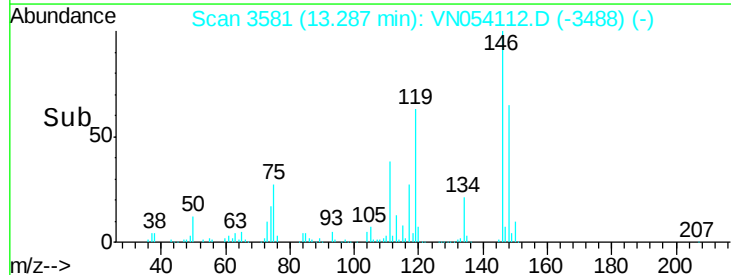
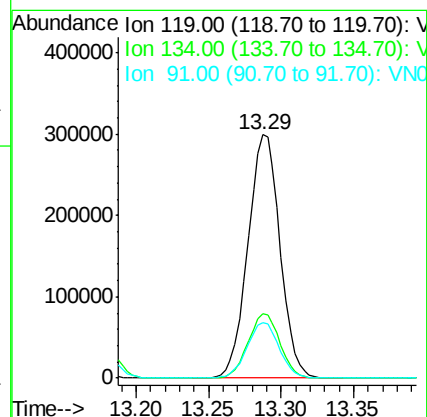
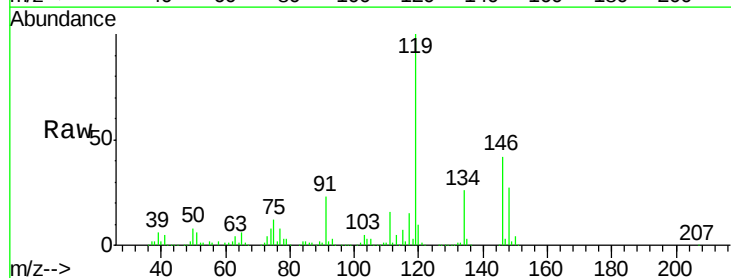
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

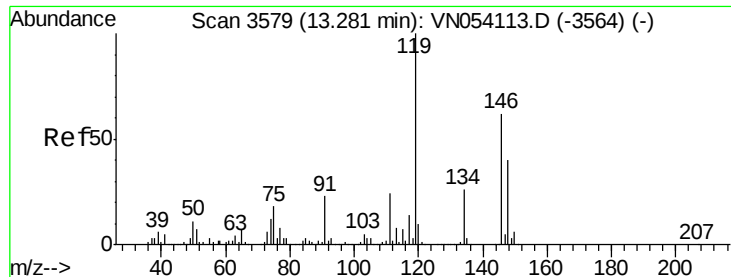
Tgt Ion:105 Resp: 544907
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 19.641 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

Tgt Ion:119 Resp: 458388
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.5
 91 23.1 11.4 34.2

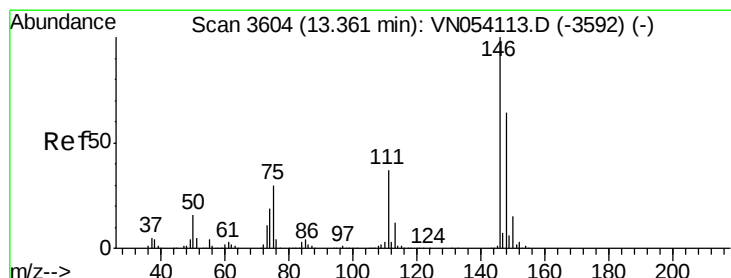
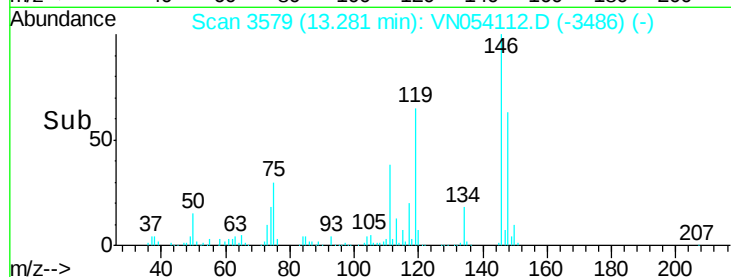
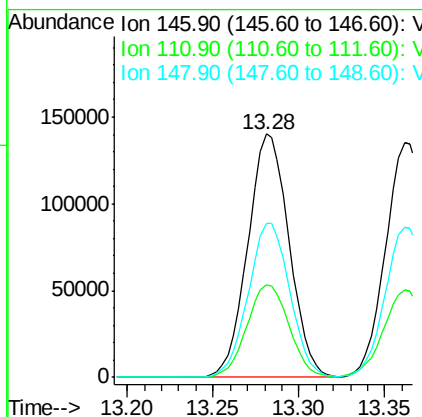
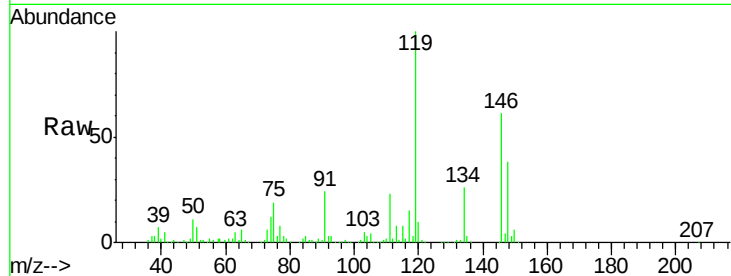




#87
 1,3-Dichlorobenzene
 Concen: 18.799 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

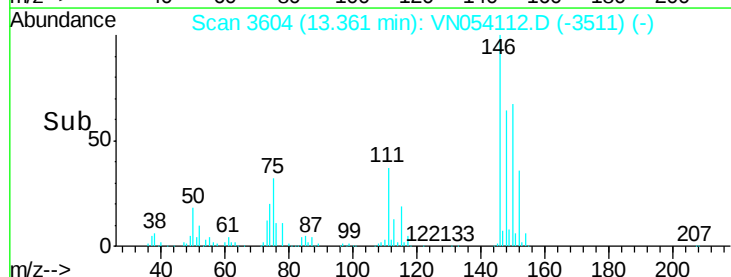
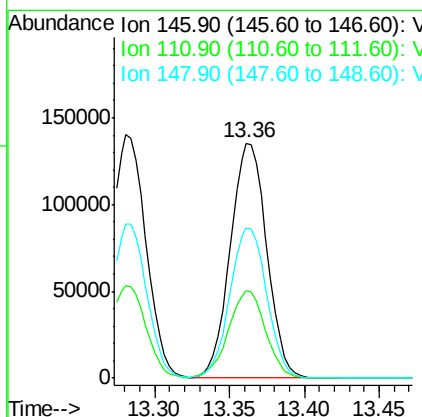
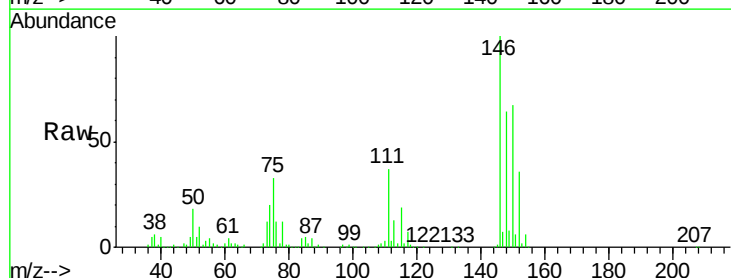
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

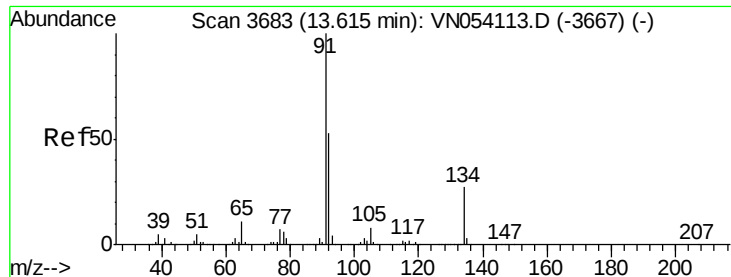
Tgt Ion:146 Resp: 233778
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.3 57.8
 148 63.7 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 18.579 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

Tgt Ion:146 Resp: 229292
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.9 56.5
 148 64.9 32.1 96.5





#89

n-Butylbenzene

Concen: 18.809 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

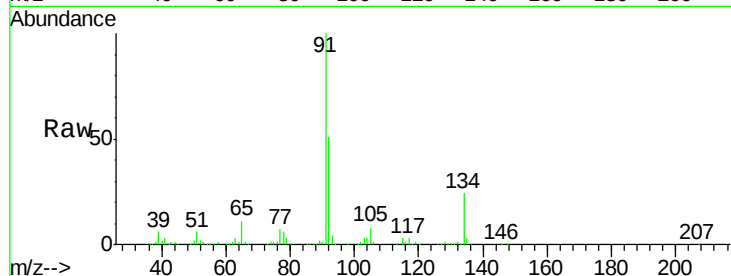
Tgt Ion: 91 Resp: 370634

Ion Ratio Lower Upper

91 100

92 50.7 26.0 78.0

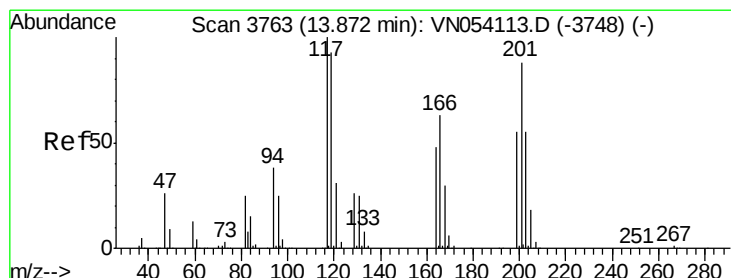
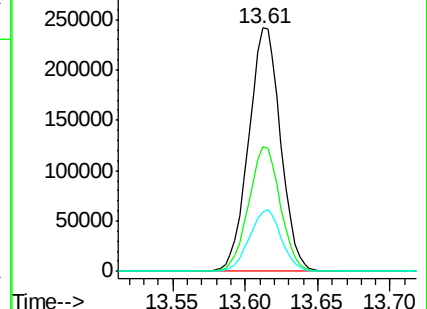
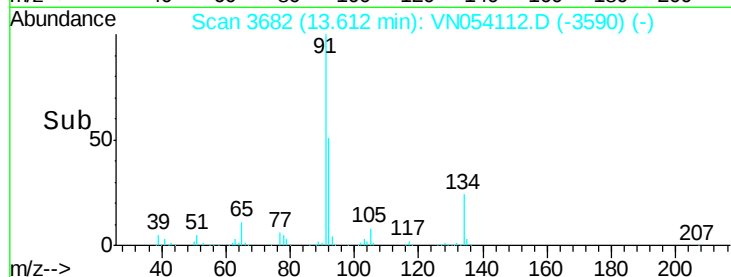
134 25.2 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VN054113.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054113.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054113.D (-3667) (-)



#90

Hexachloroethane

Concen: 19.103 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054112.D

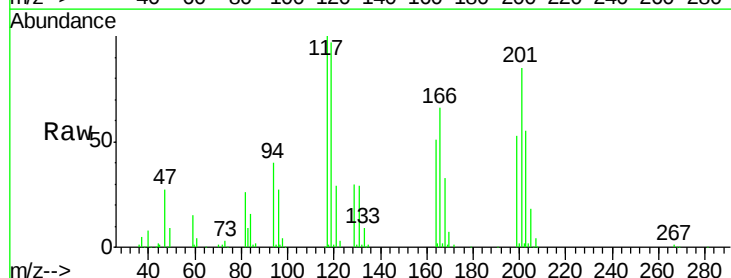
Acq: 6 Mar 2019 11:02

Tgt Ion: 117 Resp: 85510

Ion Ratio Lower Upper

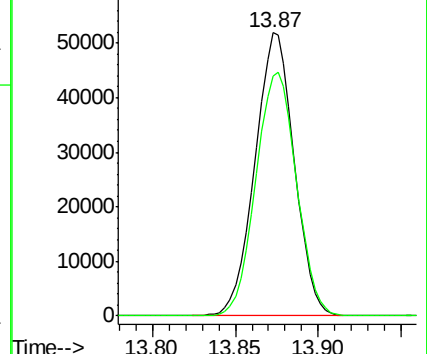
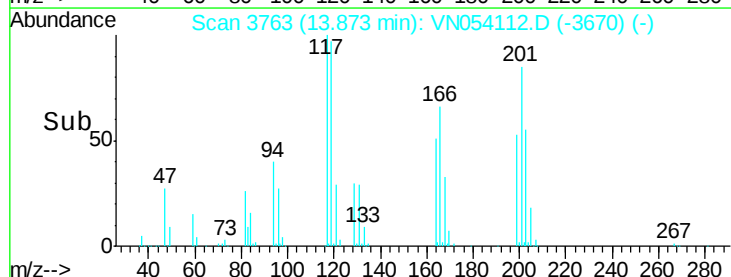
117 100

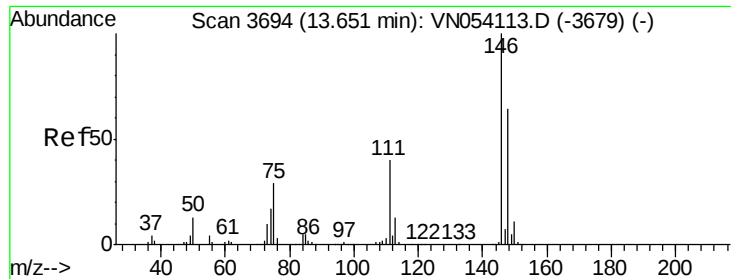
201 89.0 44.9 134.7



Abundance Ion 116.80 (116.50 to 117.50): VN054113.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054113.D (-3748) (-)

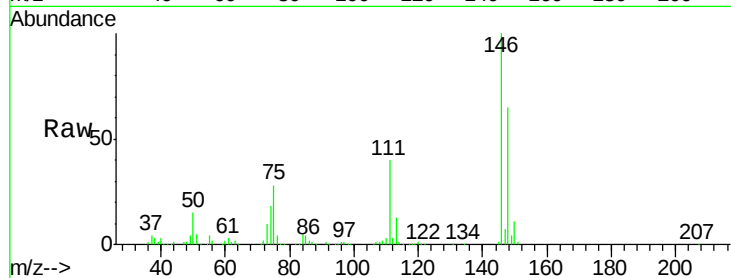




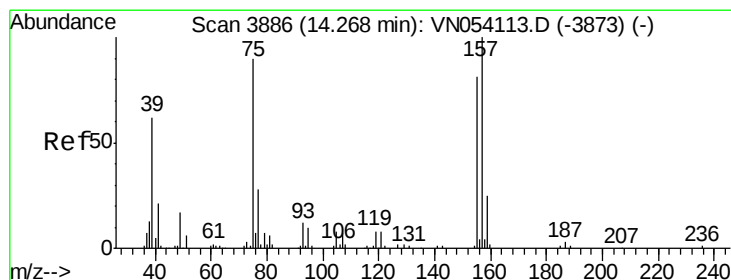
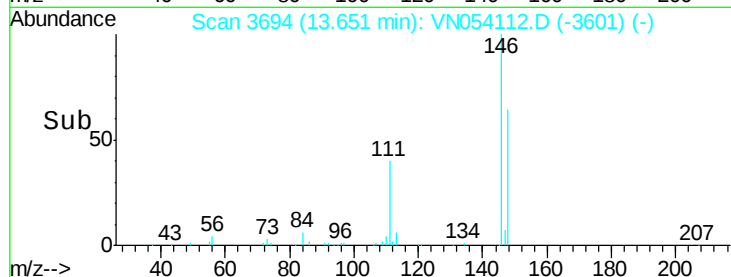
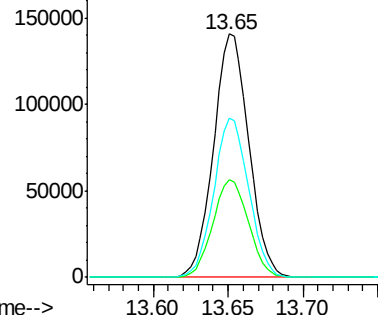
#91
 1,2-Dichlorobenzene
 Concen: 18.674 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:146 Resp: 231180
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.0 60.0
 148 64.8 32.3 96.9

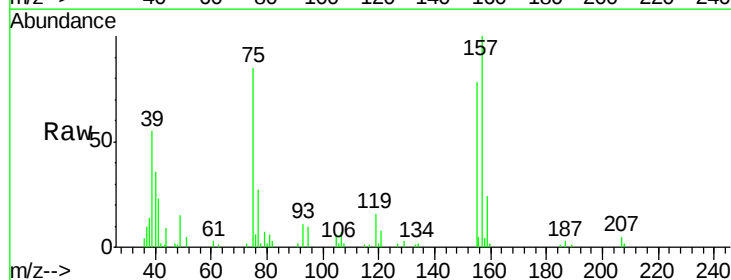


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

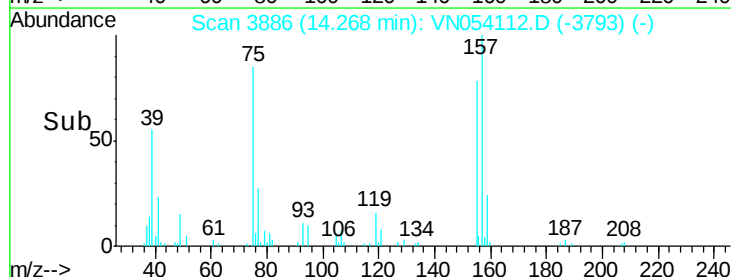
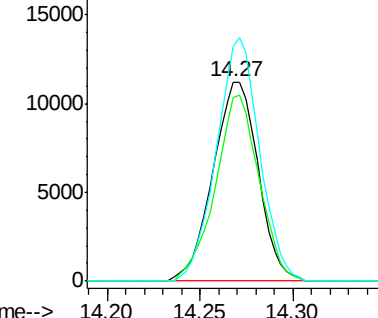


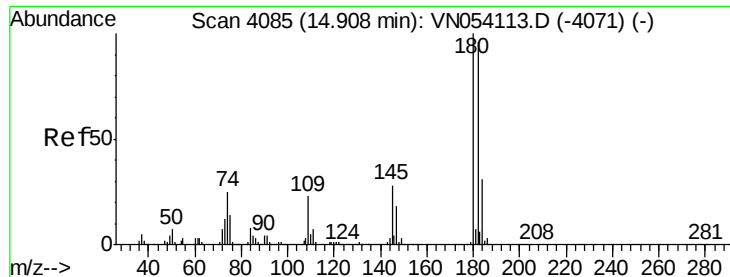
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.426 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

Tgt Ion: 75 Resp: 19104
 Ion Ratio Lower Upper
 75 100
 155 89.8 44.5 133.5
 157 116.6 57.2 171.6



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

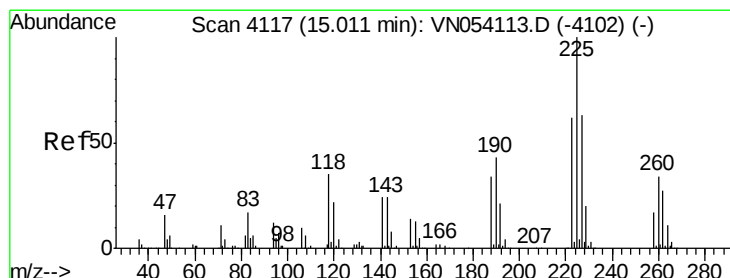
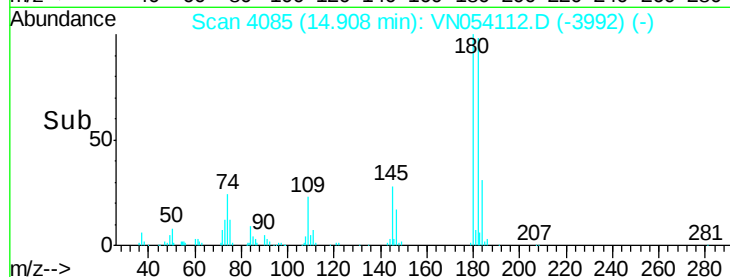
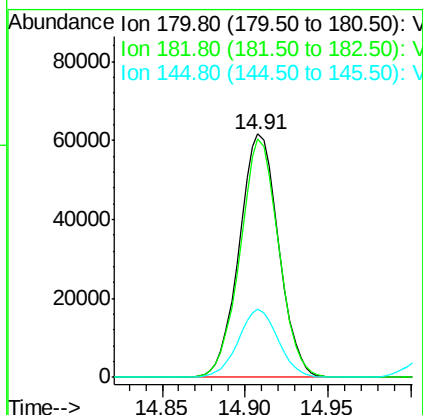
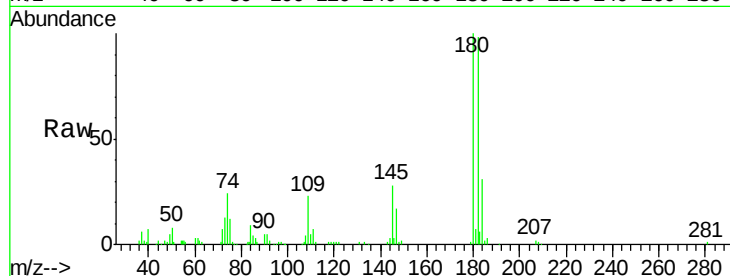




#93
 1,2,4-Trichlorobenzene
 Concen: 17.213 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

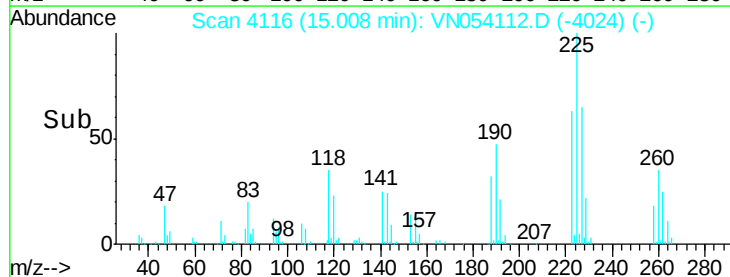
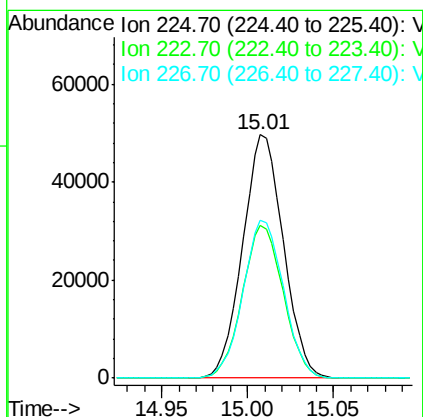
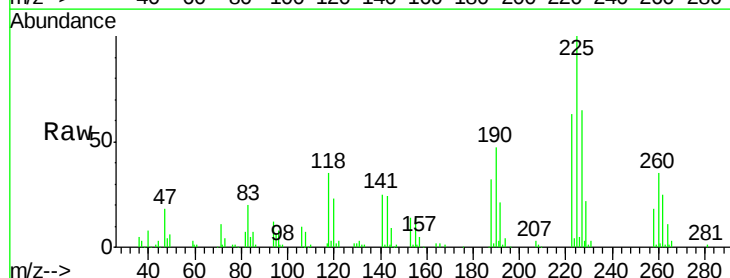
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

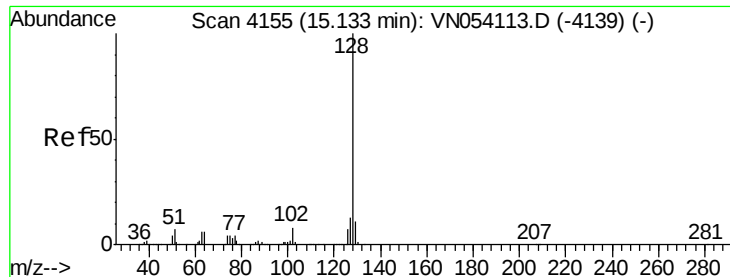
Tgt Ion:180 Resp: 101721
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.1 144.3
 145 28.3 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 18.483 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054112.D
 Acq: 6 Mar 2019 11:02

Tgt Ion:225 Resp: 81897
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.2 93.6
 227 64.3 31.9 95.7





#95

Naphthalene

Concen: 15.666 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

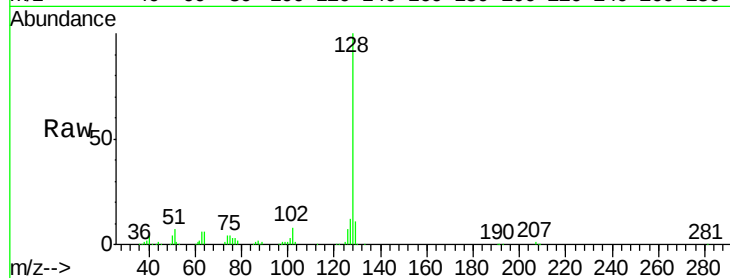
Tgt Ion:128 Resp: 190942

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

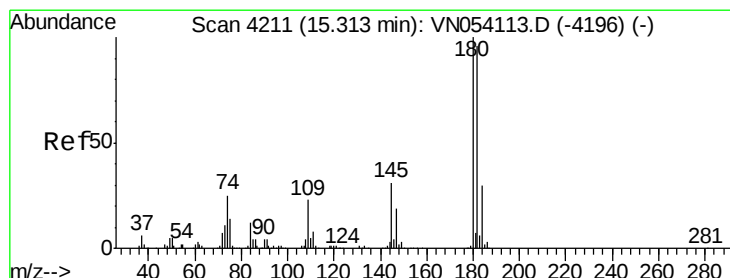
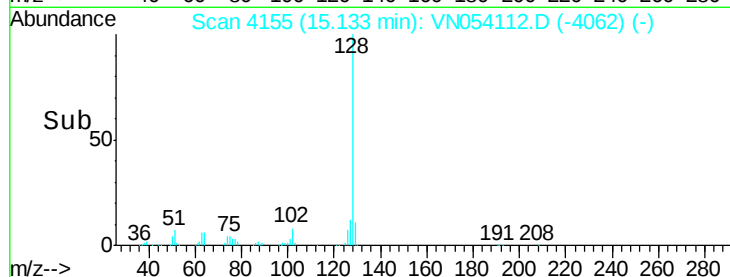
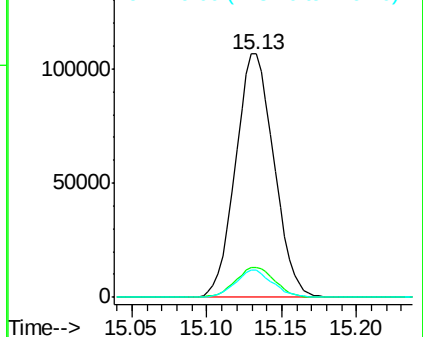
129 10.7 8.6 12.8



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: 17.327 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054112.D

Acq: 6 Mar 2019 11:02

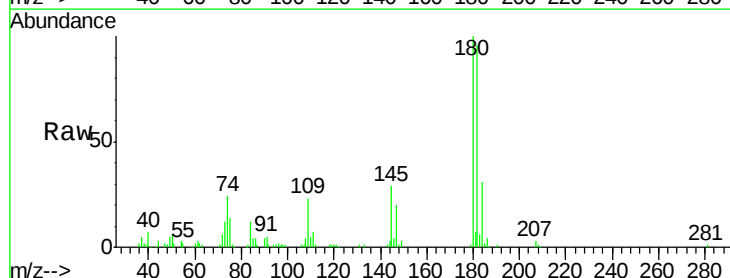
Tgt Ion:180 Resp: 103057

Ion Ratio Lower Upper

180 100

182 94.8 47.9 143.7

145 29.2 14.9 44.5



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

