

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053022.D
 Acq On : 19 Dec 2018 20:10
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 20 05:25:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1076051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1644754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1476455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	695512	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	563507	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	7.59	113	451738	60.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.26%	
50) Toluene-d8	10.09	98	2093710	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.40	95	735405	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	507740	46.622	ug/l	100
3) Chloromethane	2.06	50	637892	48.336	ug/l	100
4) Vinyl Chloride	2.19	62	640895	47.952	ug/l	100
5) Bromomethane	2.57	94	421551	45.524	ug/l	100
6) Chloroethane	2.71	64	376945	47.620	ug/l	100
7) Trichlorofluoromethane	3.02	101	813560	48.863	ug/l	100
8) Diethyl Ether	3.41	74	316695	50.419	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	507431	47.799	ug/l	99
10) Methyl Iodide	3.96	142	746044	50.043	ug/l	99
11) Tert butyl alcohol	4.77	59	165797	248.837	ug/l	99
12) 1,1-Dichloroethene	3.74	96	497746	48.531	ug/l	99
13) Acrolein	3.61	56	193721	320.650	ug/l	100
14) Allyl chloride	4.33	41	831034	52.311	ug/l	94
15) Acrylonitrile	4.98	53	919644	248.448	ug/l	99
16) Acetone	3.81	43	552428	258.018	ug/l	96
17) Carbon Disulfide	4.06	76	1421687	42.505	ug/l	100
18) Methyl Acetate	4.32	43	475376	48.940	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	1405016	51.191	ug/l	99
20) Methylene Chloride	4.55	84	569123	48.730	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	532642	48.337	ug/l	97
22) Diisopropyl ether	5.95	45	1740137	51.316	ug/l	98
23) Vinyl Acetate	5.90	43	5030003	257.959	ug/l	98
24) 1,1-Dichloroethane	5.85	63	999722	49.613	ug/l	99
25) 2-Butanone	6.83	43	950823	264.617	ug/l	98
26) 2,2-Dichloropropane	6.83	77	715855	46.539	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	620567	49.744	ug/l	99
28) Bromochloromethane	7.19	49	437968	50.160	ug/l	95
29) Tetrahydrofuran	7.21	42	677413	252.422	ug/l	98
30) Chloroform	7.37	83	978618	49.439	ug/l	100
31) Cyclohexane	7.65	56	915906	48.432	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	817741	48.495	ug/l	99
36) 1,1-Dichloropropene	7.79	75	765696	48.502	ug/l	100
37) Ethyl Acetate	6.93	43	454945	51.622	ug/l	98
38) Carbon Tetrachloride	7.77	117	700257	48.394	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	877201	45.741	ug/l	98
40) Benzene	8.04	78	2314379	49.287	ug/l	100
41) Methacrylonitrile	7.17	41	277185	54.435	ug/l	93
42) 1,2-Dichloroethane	8.12	62	674957	48.656	ug/l	98
43) Isopropyl Acetate	8.16	43	861098	50.501	ug/l	99
44) Trichloroethene	8.84	130	652111	48.013	ug/l	97
45) 1,2-Dichloropropane	9.12	63	616019	50.365	ug/l	99
46) Dibromomethane	9.21	93	348289	48.882	ug/l	98
47) Bromodichloromethane	9.40	83	737513	48.695	ug/l	100
48) Methyl methacrylate	9.20	41	433702	50.715	ug/l	99
49) 1,4-Dioxane	9.20	88	103527	957.015	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	2211106	259.074	ug/l	99
52) Toluene	10.16	92	1429698	49.121	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	769503	48.316	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	910398	49.801	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	504706	49.705	ug/l	99
56) Ethyl methacrylate	10.43	69	686956	51.113	ug/l	98
57) 1,3-Dichloropropane	10.71	76	870204	49.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1872875	253.832	ug/l	98
59) 2-Hexanone	10.75	43	1493846	258.702	ug/l	99
60) Dibromochloromethane	10.90	129	563490	48.480	ug/l	100
61) 1,2-Dibromoethane	11.01	107	512074	49.656	ug/l	99
64) Tetrachloroethene	10.63	164	742142	46.403	ug/l	99
65) Chlorobenzene	11.43	112	1603619	48.997	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	559907	49.195	ug/l	99
67) Ethyl Benzene	11.51	91	2778246	49.360	ug/l	100
68) m/p-Xylenes	11.62	106	2119061	99.035	ug/l	99
69) o-Xylene	11.95	106	1025381	49.940	ug/l	100
70) Styrene	11.96	104	1702844	50.861	ug/l	99
71) Bromoform	12.13	173	390353	47.476	ug/l #	100
73) Isopropylbenzene	12.25	105	2705427	49.716	ug/l	99
74) N-amyl acetate	12.07	43	793837	52.543	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	562740	52.711	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	782340	66.820	ug/l #	100
77) Bromobenzene	12.53	156	729482	51.570	ug/l	93
78) n-propylbenzene	12.59	91	3069141	49.521	ug/l	99
79) 2-Chlorotoluene	12.67	91	1814093	47.222	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2159341	48.683	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	174036	47.910	ug/l	97
82) 4-Chlorotoluene	12.77	91	1854543	49.315	ug/l	99
83) tert-Butylbenzene	12.99	119	1899743	48.428	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2200753	49.356	ug/l	100
85) sec-Butylbenzene	13.17	105	2501426	47.144	ug/l	99
86) p-Isopropyltoluene	13.29	119	2181920	47.590	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1218207	48.658	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1199537	47.312	ug/l	100
89) n-Butylbenzene	13.62	91	1807788	45.832	ug/l	100
90) Hexachloroethane	13.88	117	328232	46.652	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1145524	48.617	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86983	47.121	ug/l	98

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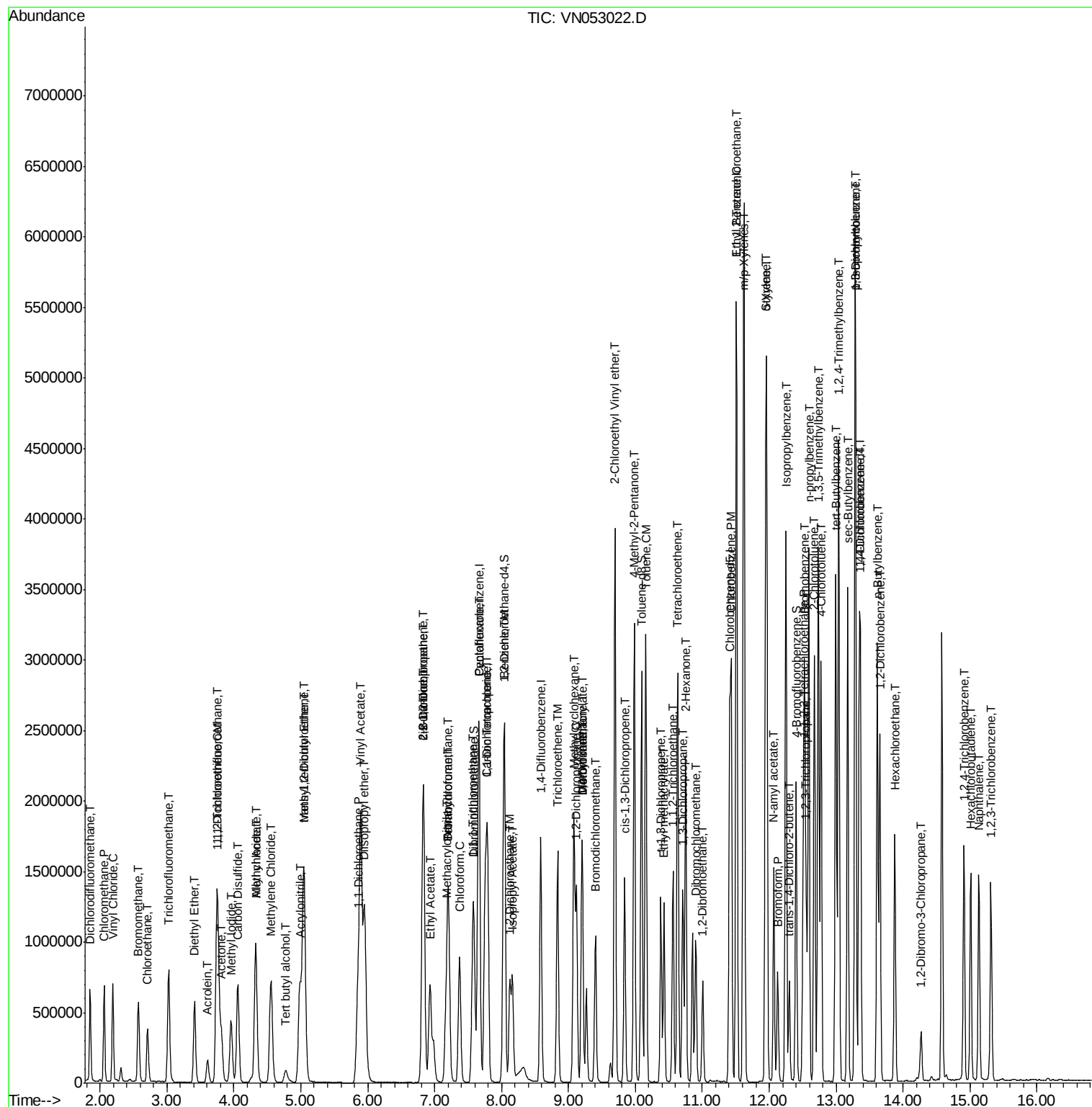
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	591853	47.442	ug/l	100
94) Hexachlorobutadiene	15.01	225	322923	49.958	ug/l	99
95) Naphthalene	15.13	128	1316087	48.170	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	532884	47.430	ug/l	99

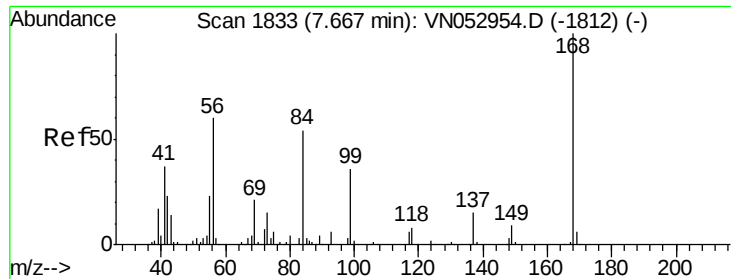
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121918\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

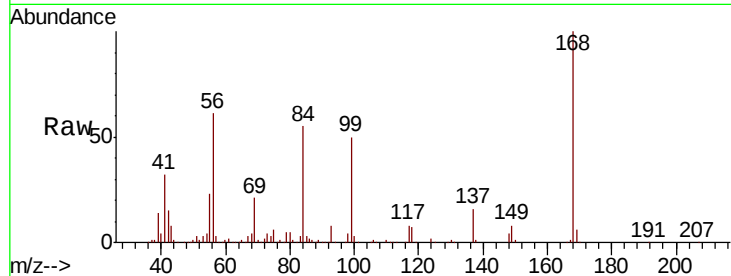
VSTDCCC050EC

Tot Ion:168 Resp: 1076051

Ion Ratio Lower Upper

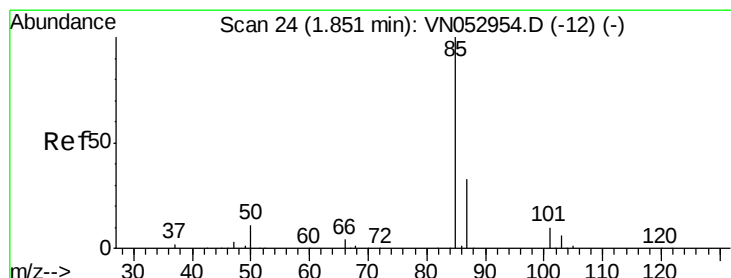
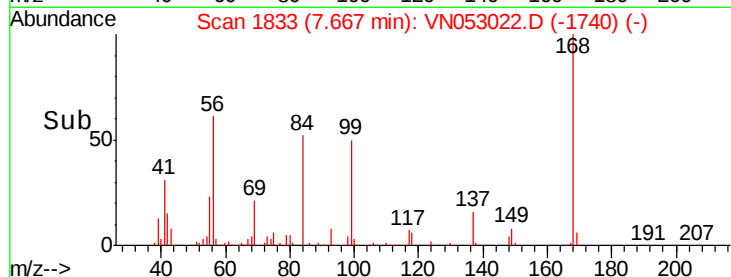
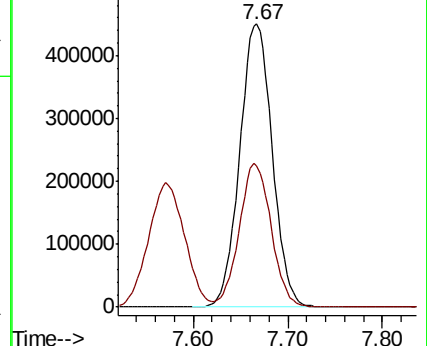
168 100

99 49.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.622 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053022.D

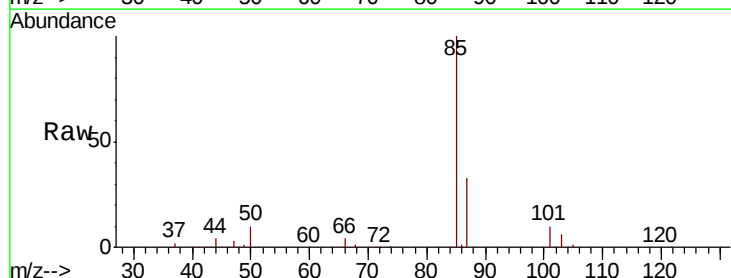
Acq: 19 Dec 2018 20:10

Tgt Ion: 85 Resp: 507740

Ion Ratio Lower Upper

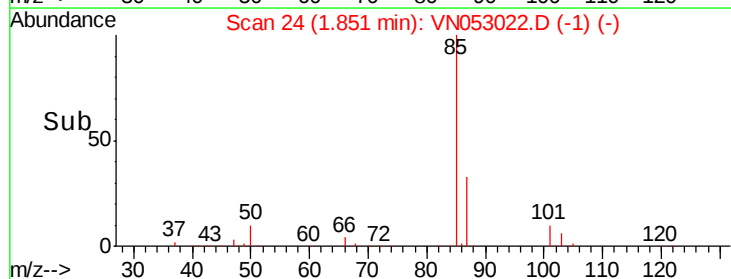
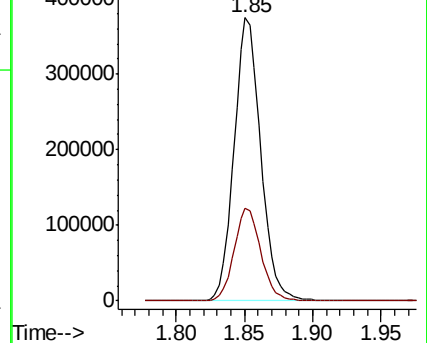
85 100

87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.336 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

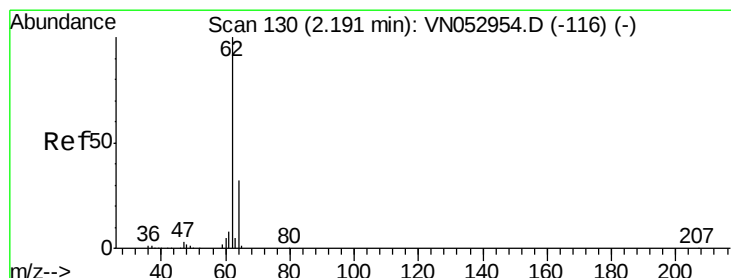
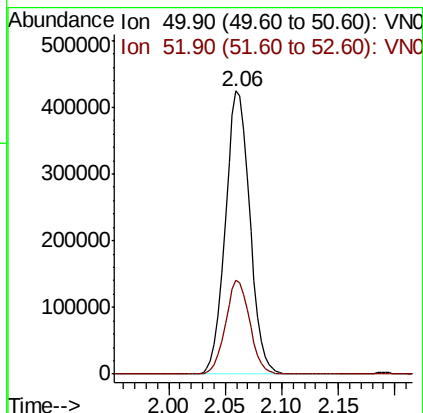
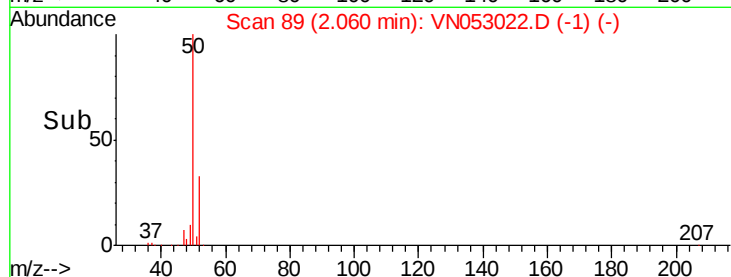
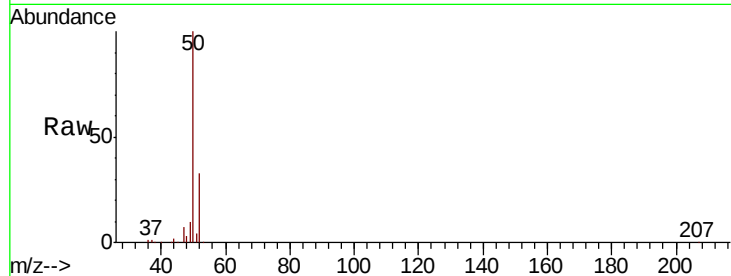
VSTDCCC050EC

Tot Ion: 50 Resp: 637892

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.4



#4

Vinyl Chloride

Concen: 47.952 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053022.D

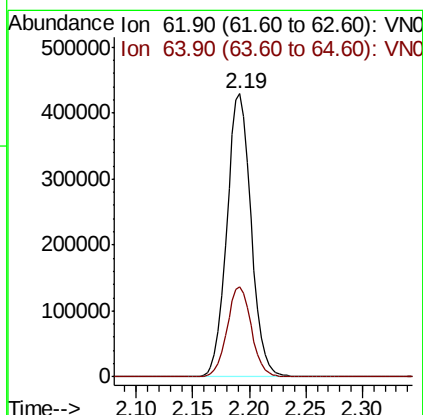
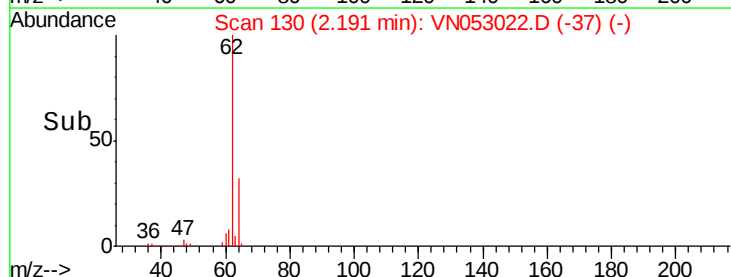
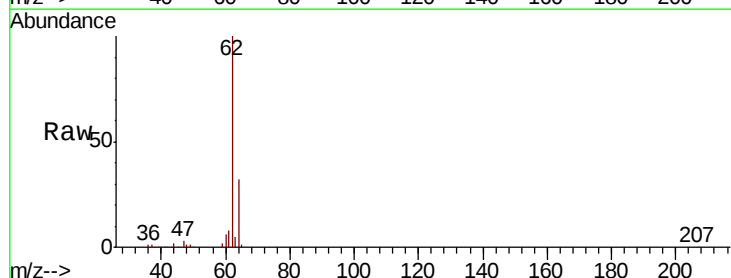
Acq: 19 Dec 2018 20:10

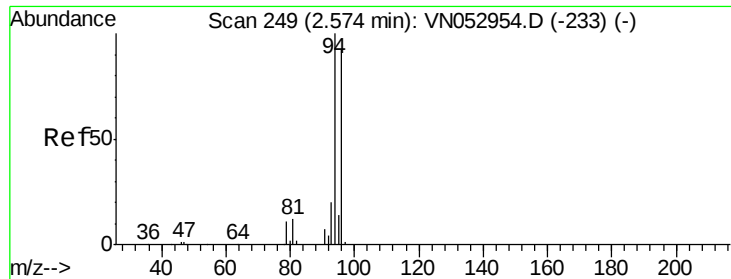
Tgt Ion: 62 Resp: 640895

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 45.524 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

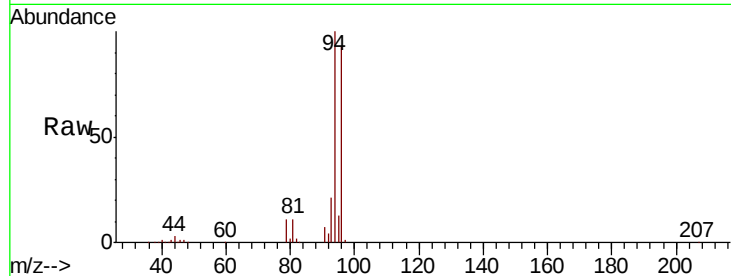
VSTDCCC050EC

Tot Ion: 94 Resp: 421551

Ion Ratio Lower Upper

94 100

96 93.3 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN053022.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN053022.D (-156) (-)

2.57

200000

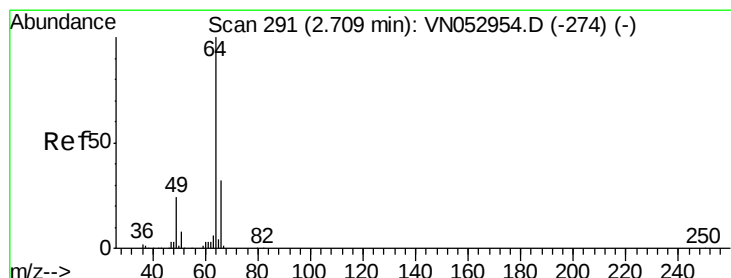
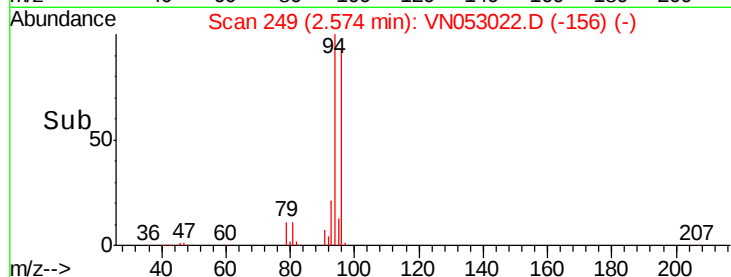
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 47.620 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053022.D

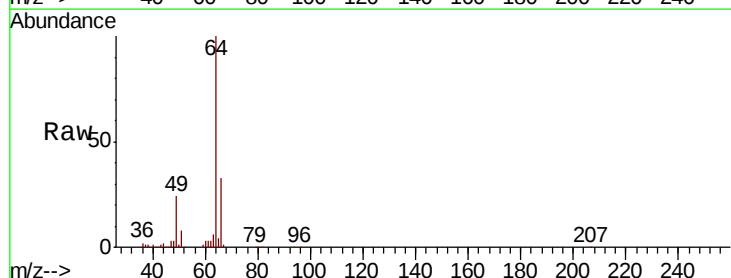
Acq: 19 Dec 2018 20:10

Tgt Ion: 64 Resp: 376945

Ion Ratio Lower Upper

64 100

66 32.5 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN053022.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN053022.D (-198) (-)

2.71

200000

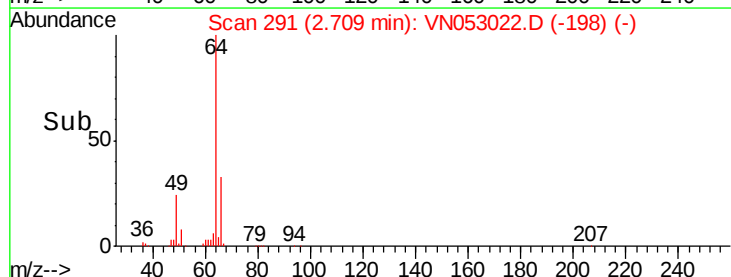
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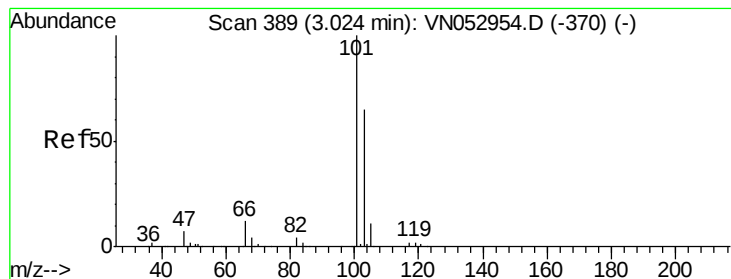
100000

50000

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Time-->



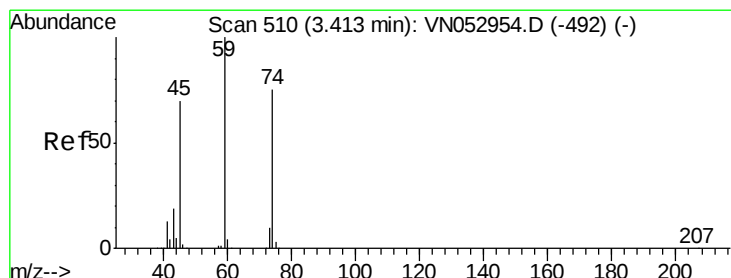
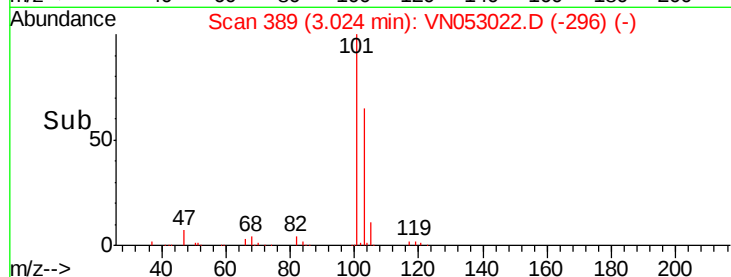
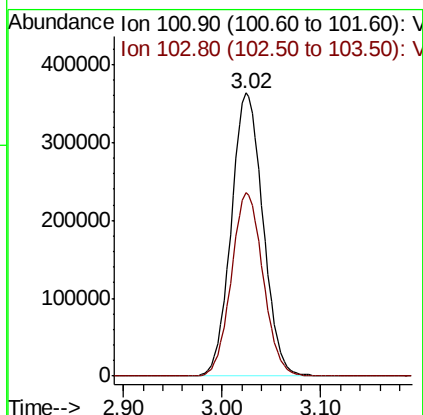
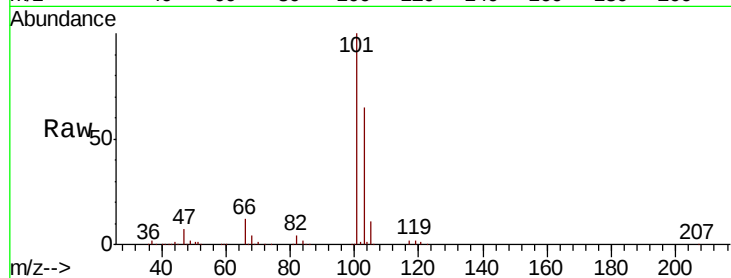


#7

Trichlorofluoromethane
 Concen: 48.863 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

Instrument :
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 VSTDCCC050EC

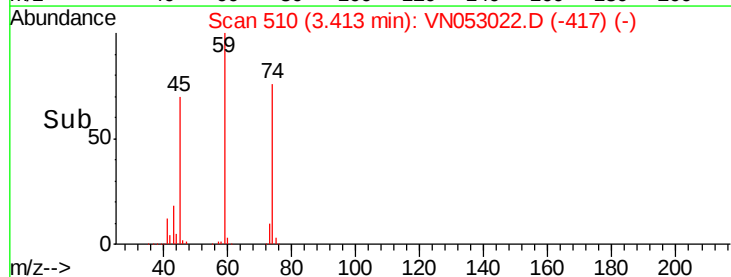
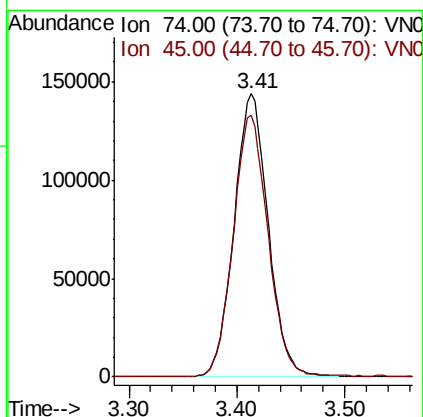
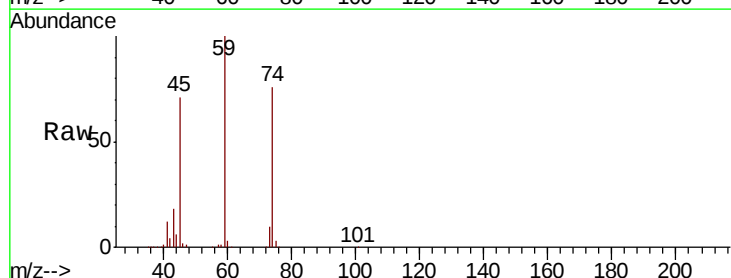
Tot Ion:101 Resp: 813560
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.8 77.6

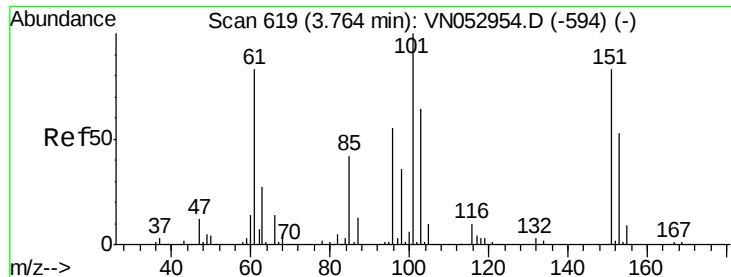


#8

Diethyl Ether
 Concen: 50.419 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

Tgt Ion: 74 Resp: 316695
 Ion Ratio Lower Upper
 74 100
 45 94.4 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.799 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

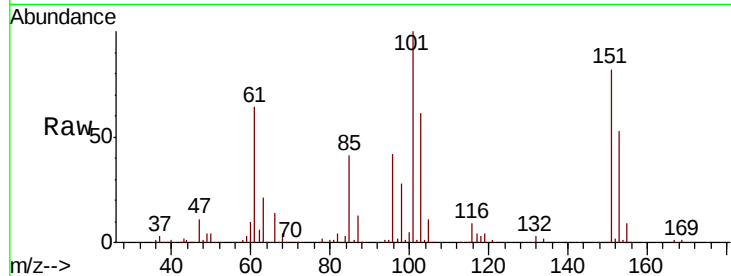
Tot Ion:101 Resp: 507431

Ion Ratio Lower Upper

101 100

85 41.5 33.6 50.4

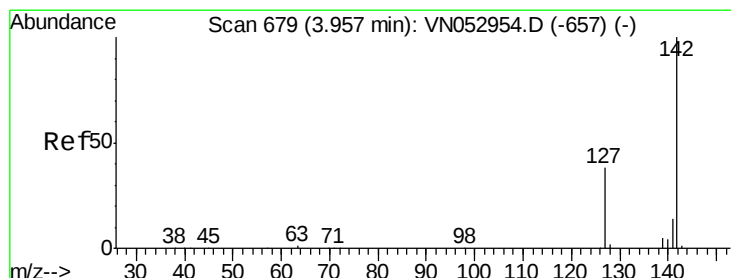
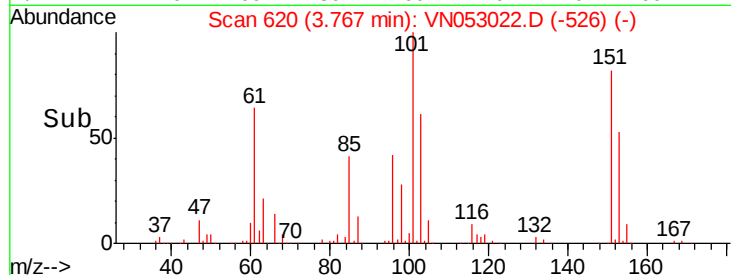
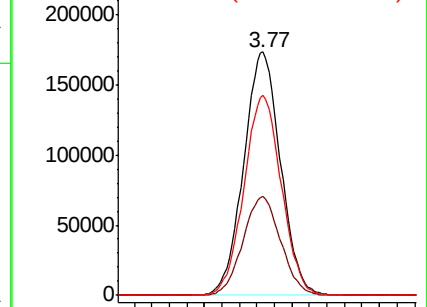
151 83.4 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.043 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

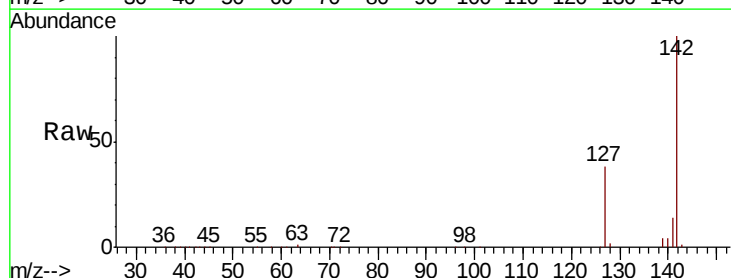
Tgt Ion:142 Resp: 746044

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.6

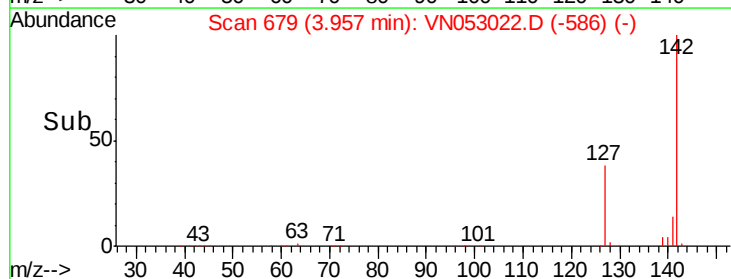
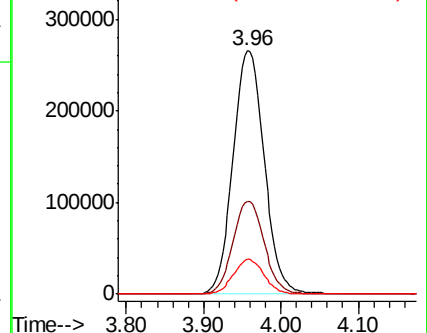
141 14.0 11.2 16.8

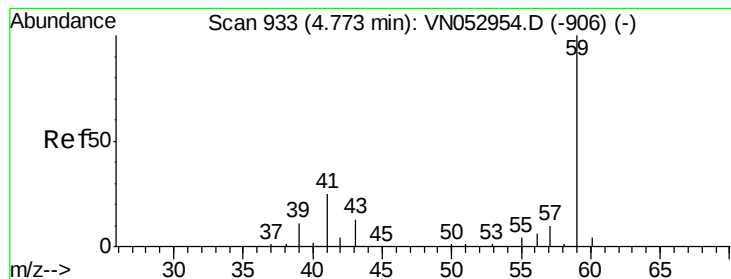


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 248.837 ug/l

RT: 4.77 min Scan# 933

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

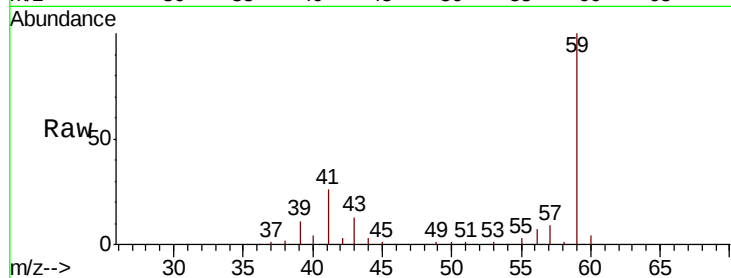
VSTDCCC050EC

Tot Ion: 59 Resp: 165797

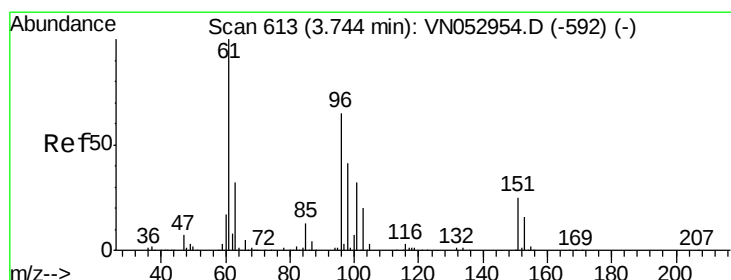
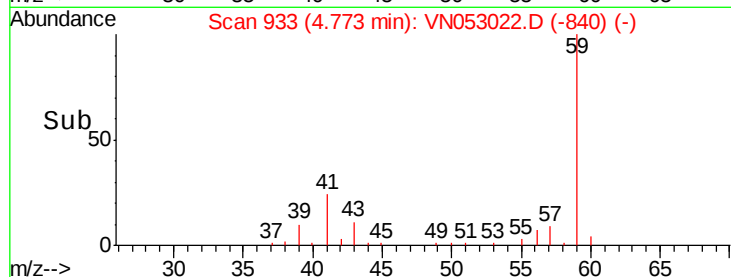
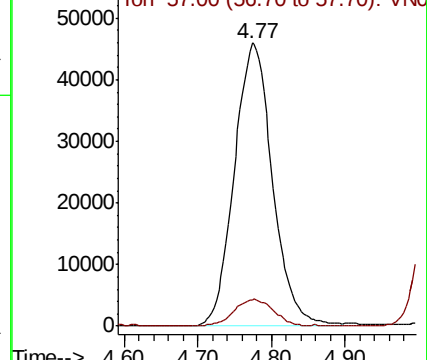
Ion Ratio Lower Upper

59 100

57 9.9 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VN053022.D (-840) (-)



#12

1,1-Dichloroethene

Concen: 48.531 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

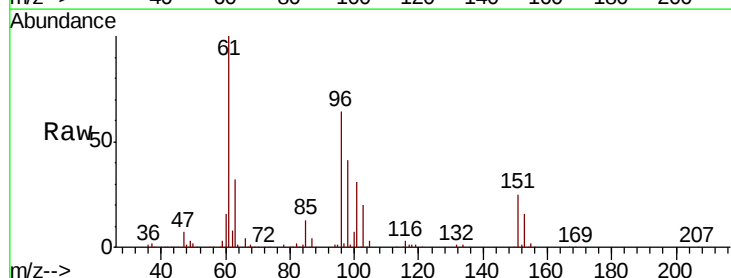
Tgt Ion: 96 Resp: 497746

Ion Ratio Lower Upper

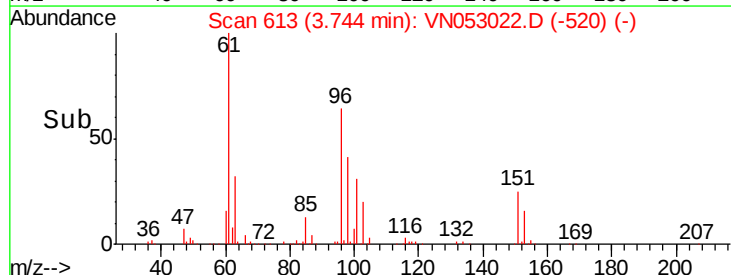
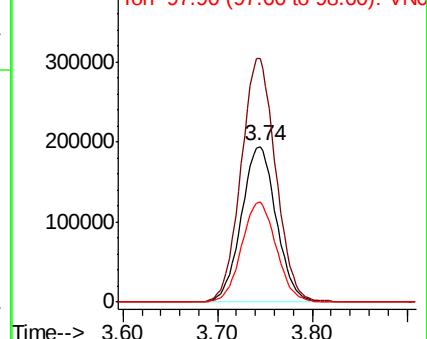
96 100

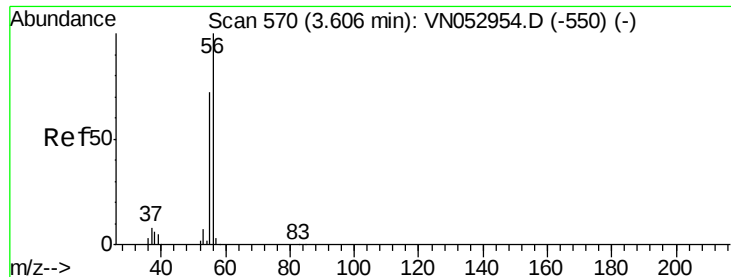
61 156.3 125.6 188.4

98 64.2 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VN053022.D (-520) (-)





#13

Acrolein

Concen: 320.650 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

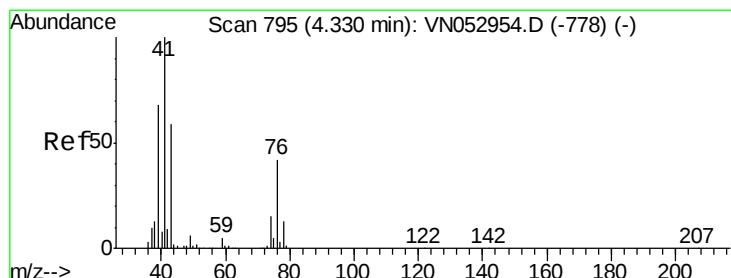
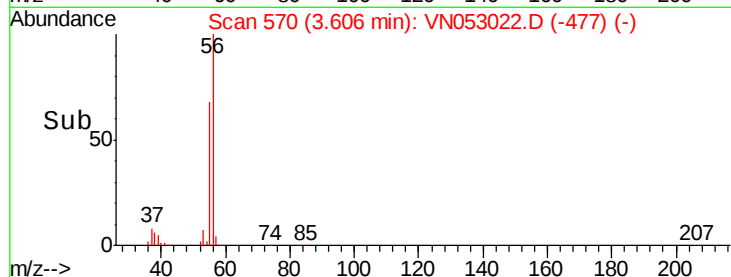
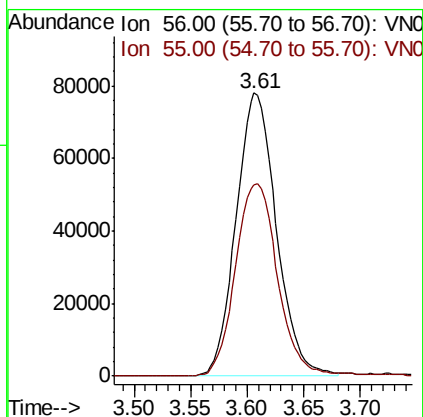
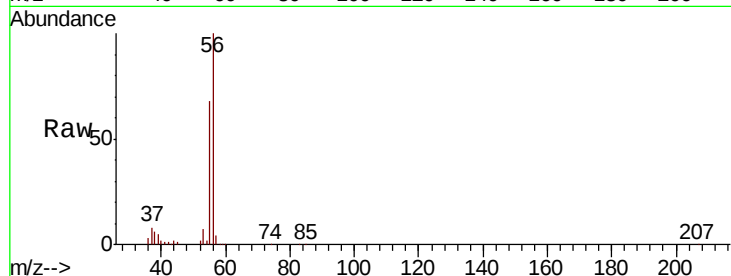
VSTDCCC050EC

Tot Ion: 56 Resp: 193721

Ion Ratio Lower Upper

56 100

55 71.0 56.6 85.0



#14

Allyl chloride

Concen: 52.311 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

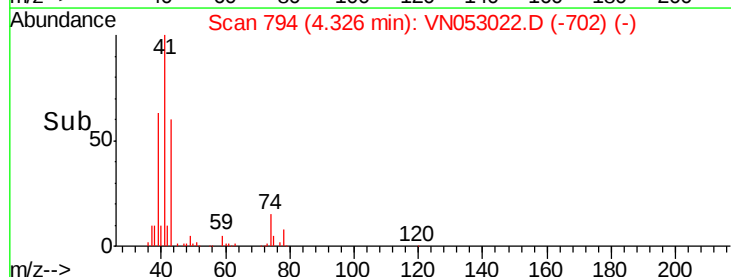
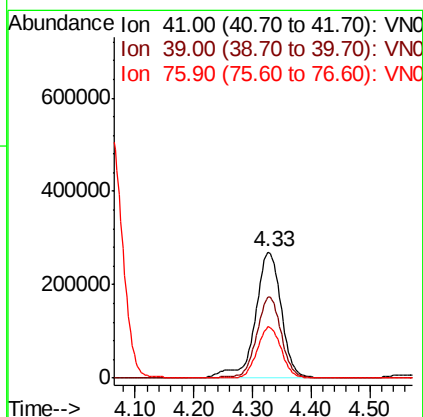
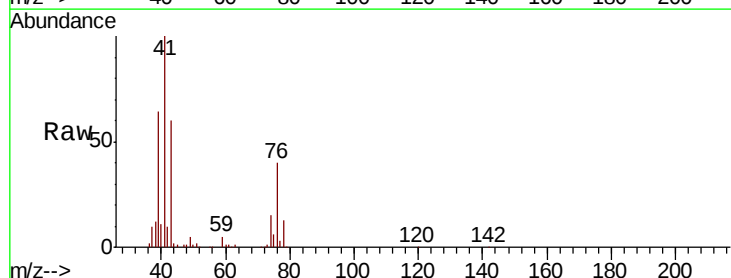
Tgt Ion: 41 Resp: 831034

Ion Ratio Lower Upper

41 100

39 60.9 54.1 81.1

76 36.9 30.3 45.5





#15

Acrylonitrile

Concen: 248.448 ug/l

RT: 4.98 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

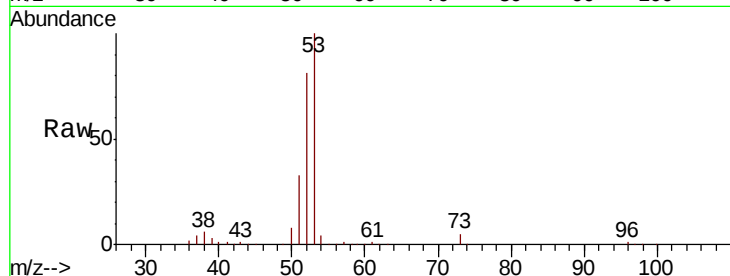
Tot Ion: 53 Resp: 919644

Ion Ratio Lower Upper

53 100

52 82.2 65.1 97.7

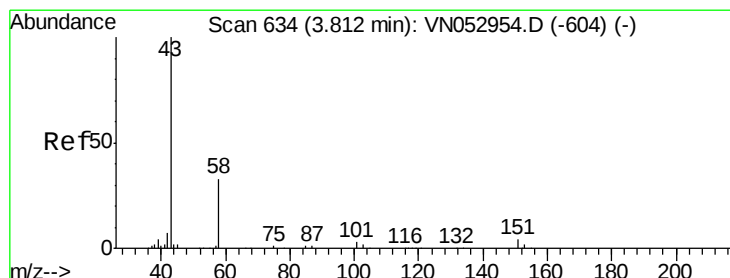
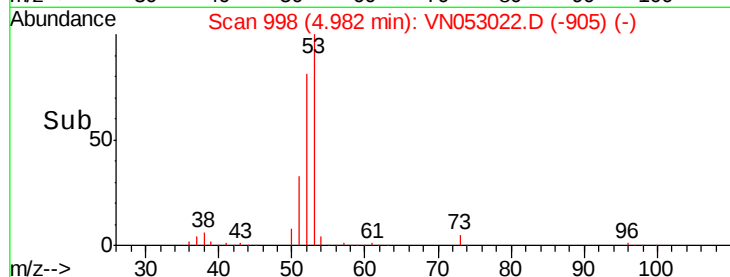
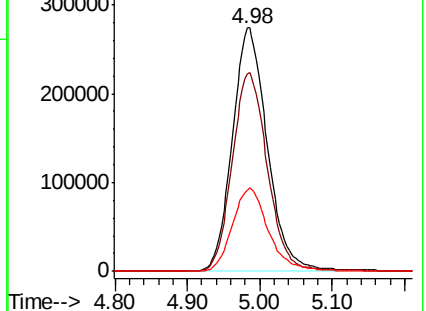
51 35.2 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052954.D (-973) (-)

Ion 52.00 (51.70 to 52.70): VN052954.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VN052954.D (-973) (-)



#16

Acetone

Concen: 258.018 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053022.D

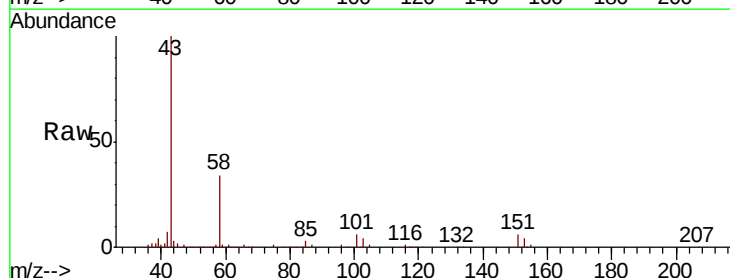
Acq: 19 Dec 2018 20:10

Tgt Ion: 43 Resp: 552428

Ion Ratio Lower Upper

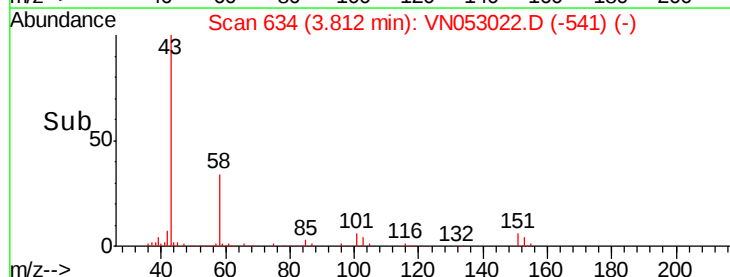
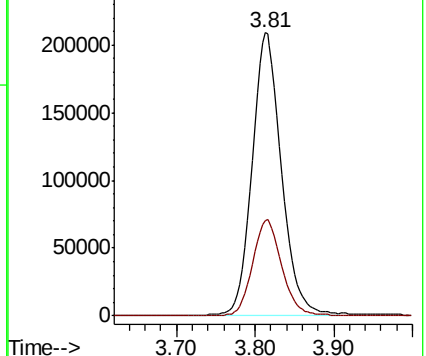
43 100

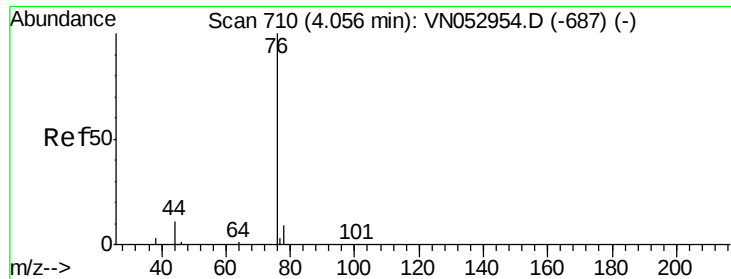
58 33.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-604) (-)





#17

Carbon Disulfide

Concen: 42.505 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

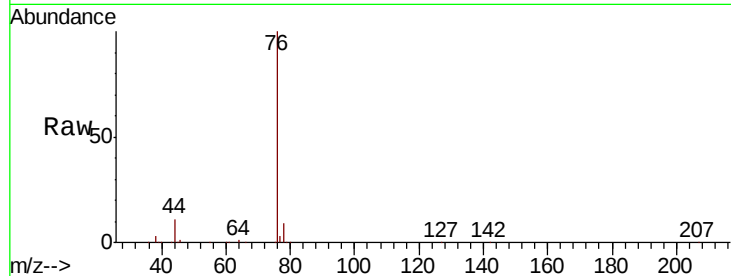
VSTDCCC050EC

Tot Ion: 76 Resp: 1421687

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN053022.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN053022.D (-617) (-)

4.06

600000

500000

400000

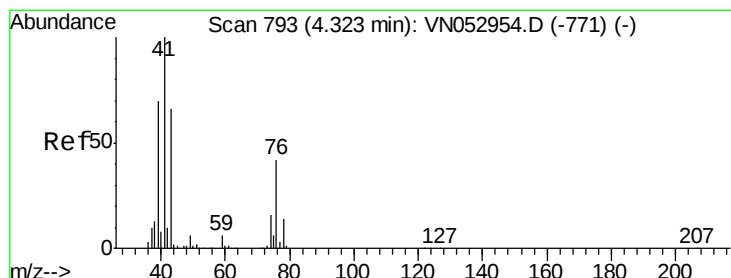
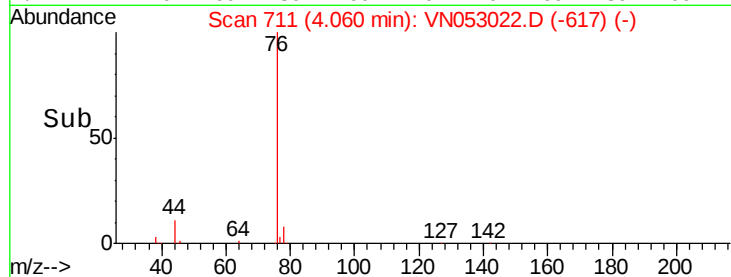
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 48.940 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053022.D

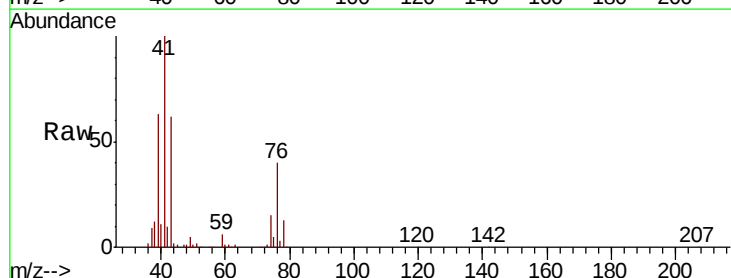
Acq: 19 Dec 2018 20:10

Tgt Ion: 43 Resp: 475376

Ion Ratio Lower Upper

43 100

74 24.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN053022.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN053022.D (-700) (-)

4.32

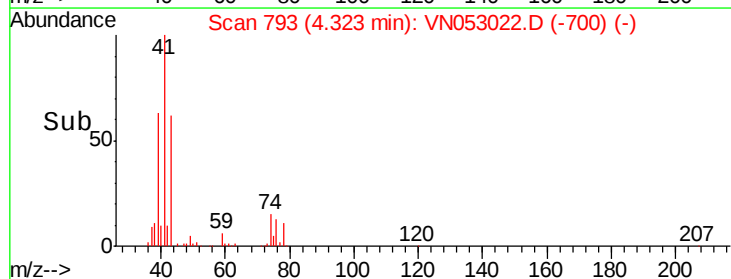
150000

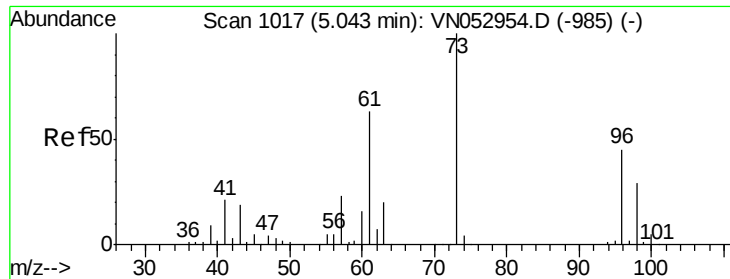
100000

50000

0

Time--> 4.20 4.30 4.40

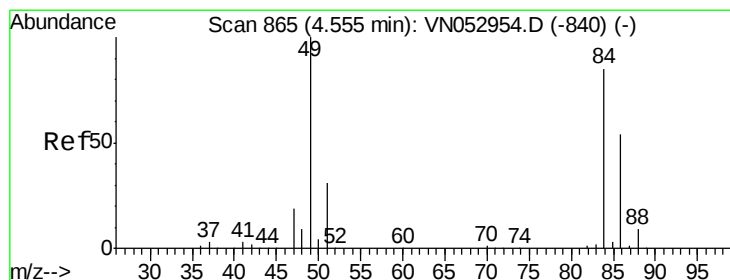
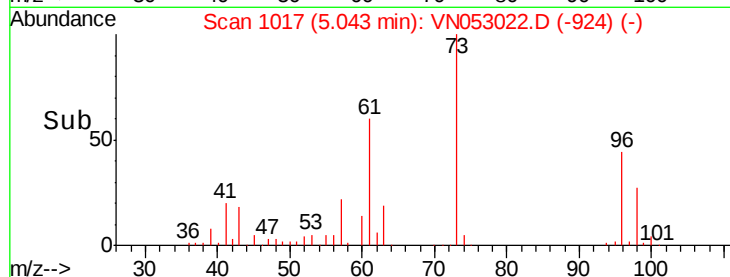
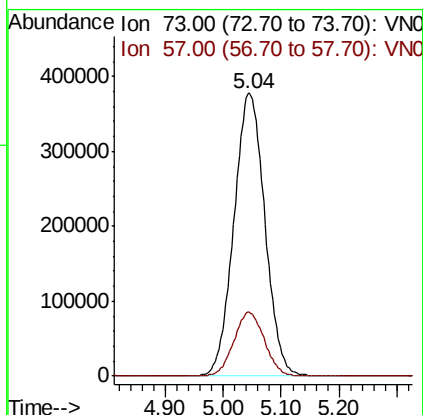
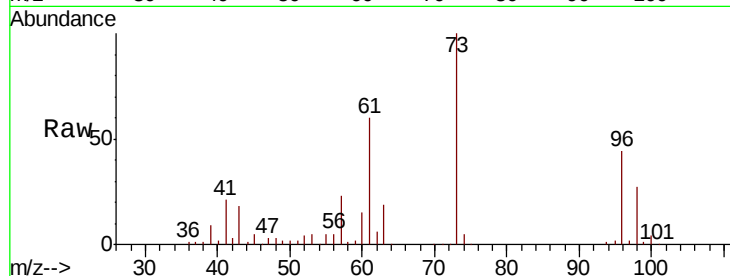




#19
Methvl tert-butvl Ether
Concen: 51.191 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

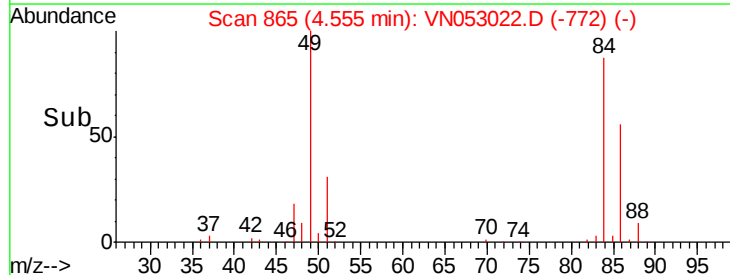
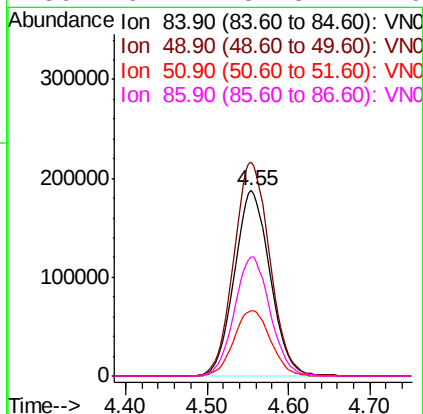
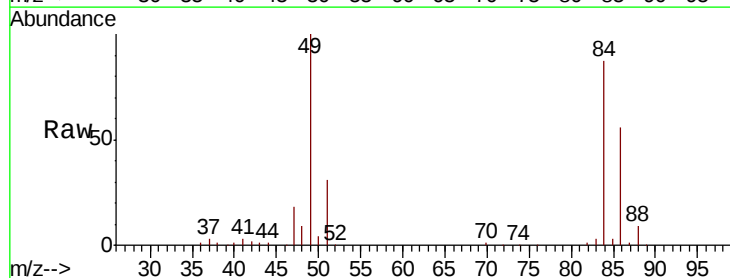
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

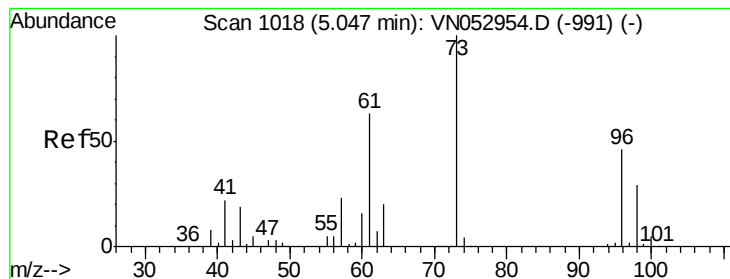
Tot Ion: 73 Resp: 1405016
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6



#20
Methylene Chloride
Concen: 48.730 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Tgt Ion: 84 Resp: 569123
Ion Ratio Lower Upper
84 100
49 115.3 96.8 145.2
51 35.2 29.9 44.9
86 64.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.337 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

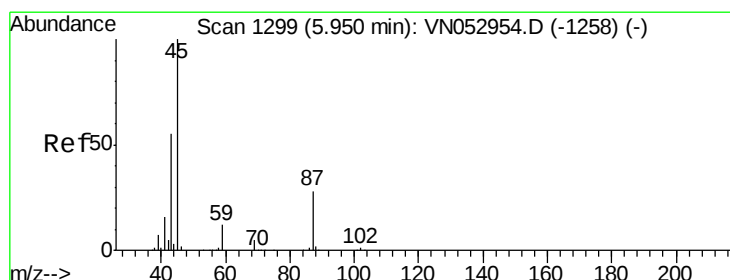
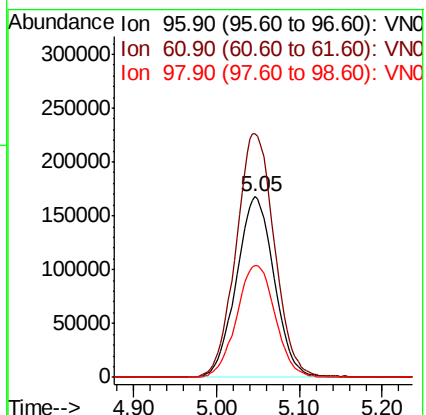
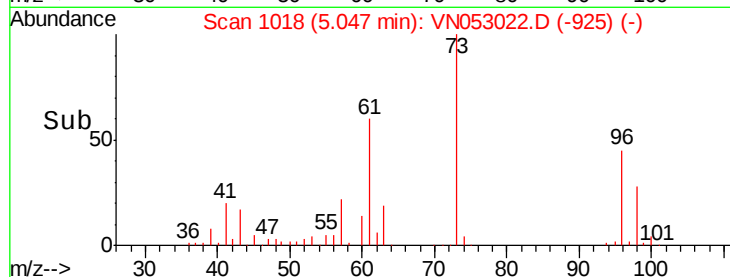
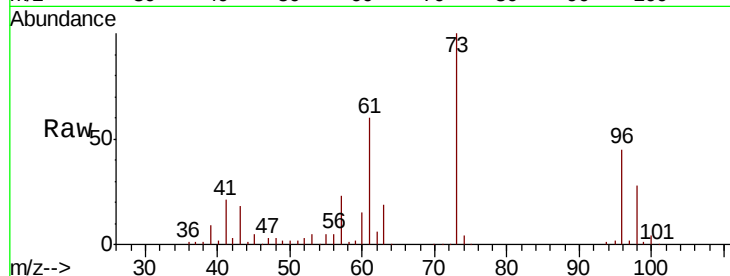
Tot Ion: 96 Resp: 532642

Ion Ratio Lower Upper

96 100

61 134.8 110.8 166.2

98 62.2 51.4 77.2



#22

Diisopropyl ether

Concen: 51.316 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Tgt Ion: 45 Resp: 1740137

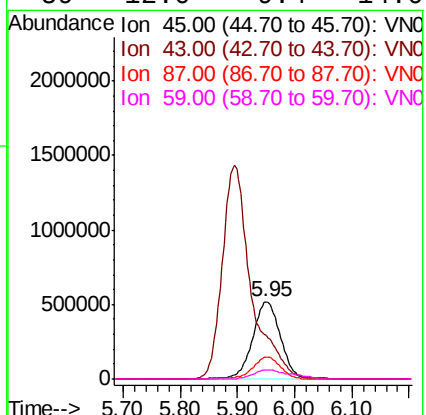
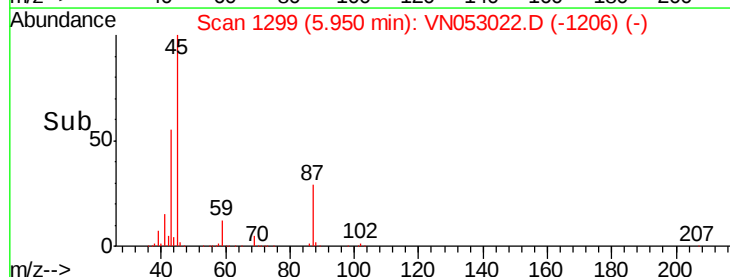
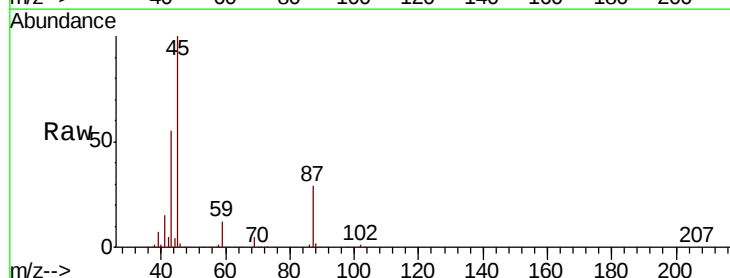
Ion Ratio Lower Upper

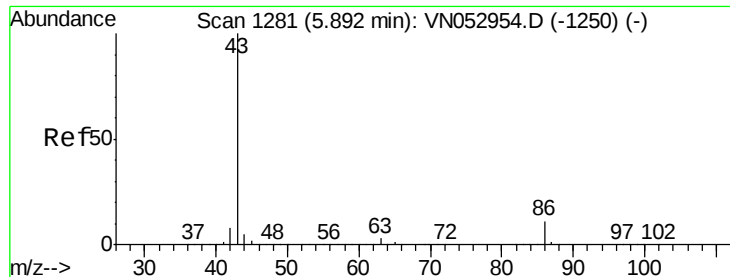
45 100

43 55.4 45.5 68.3

87 28.5 22.0 33.0

59 12.0 9.4 14.0





#23

Vinyl Acetate

Concen: 257.959 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

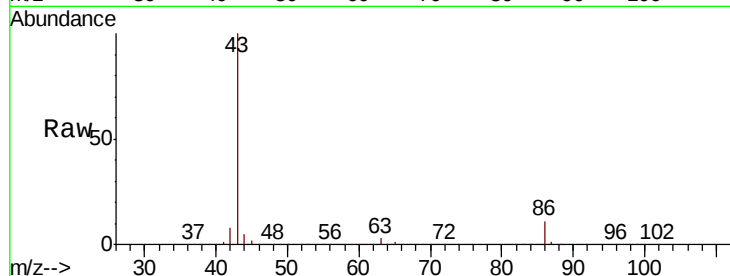
VSTDCCC050EC

Tot Ion: 43 Resp: 5030003

Ion Ratio Lower Upper

43 100

86 10.8 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

1500000

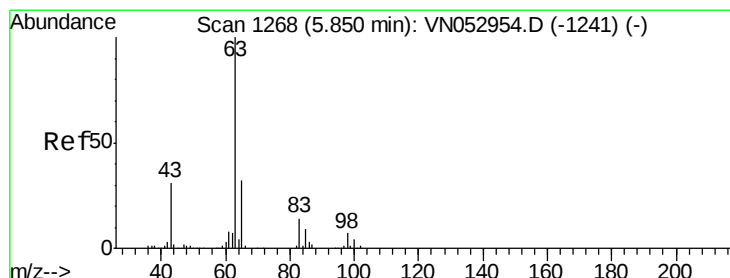
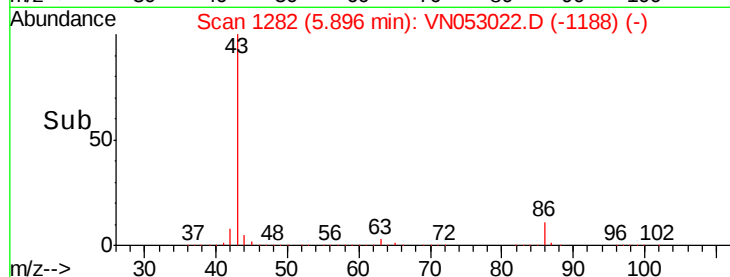
1000000

500000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 49.613 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

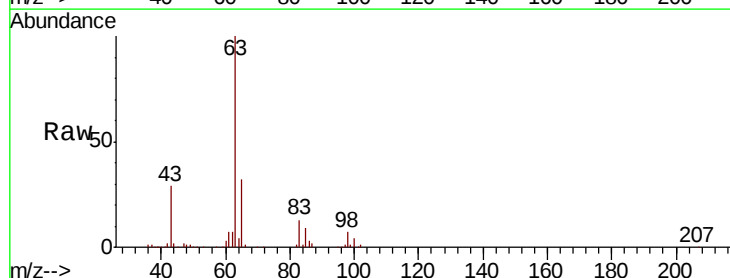
Tgt Ion: 63 Resp: 999722

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 4.3 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

400000

300000

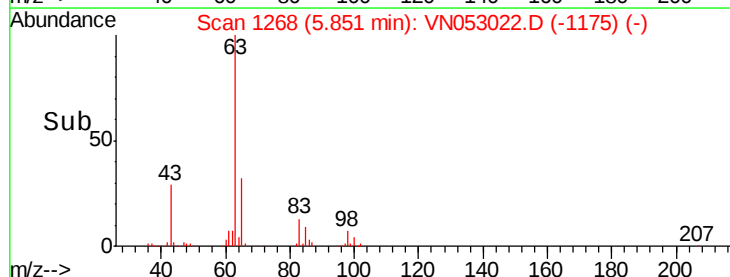
200000

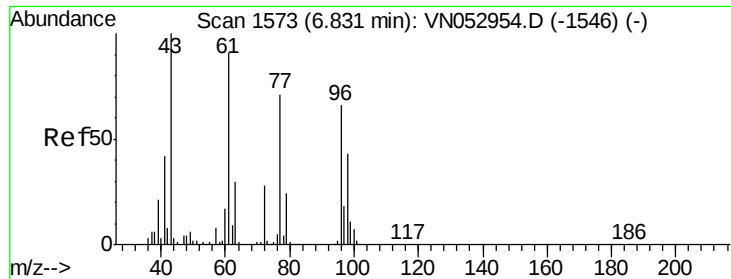
100000

0

Time-->

5.70 5.80 5.90

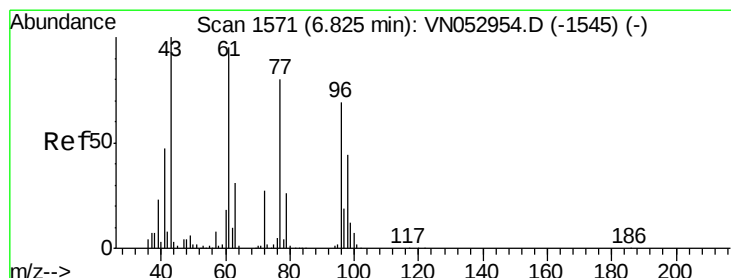
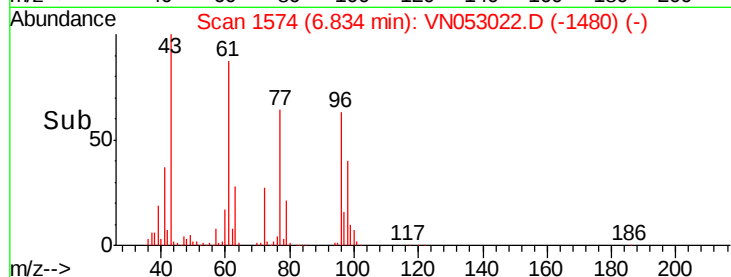
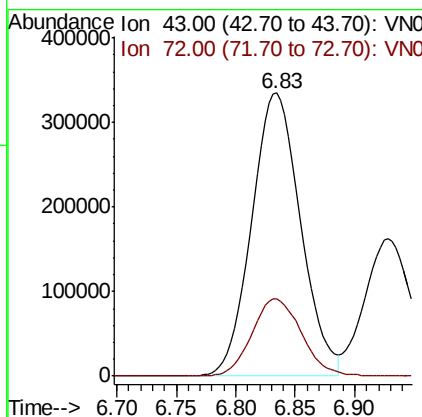
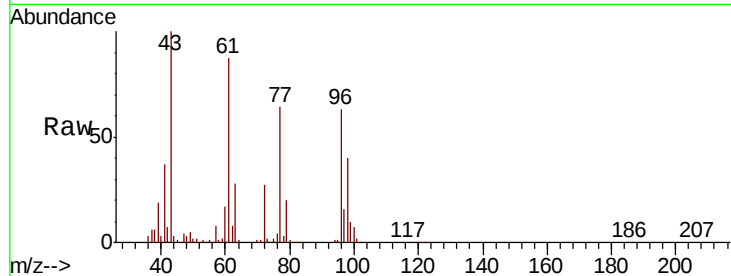




#25
2-Butanone
Concen: 264.617 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

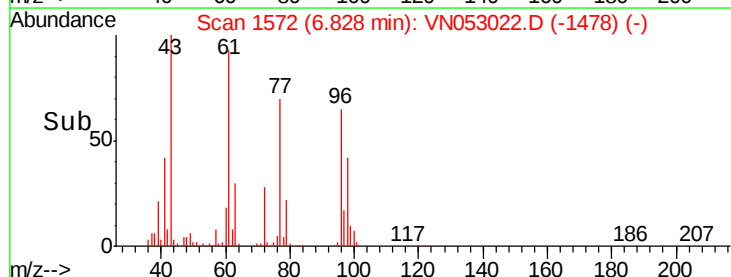
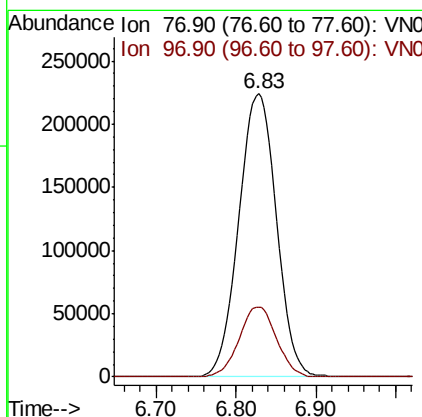
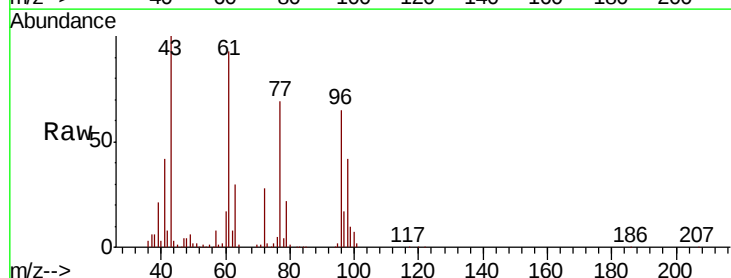
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

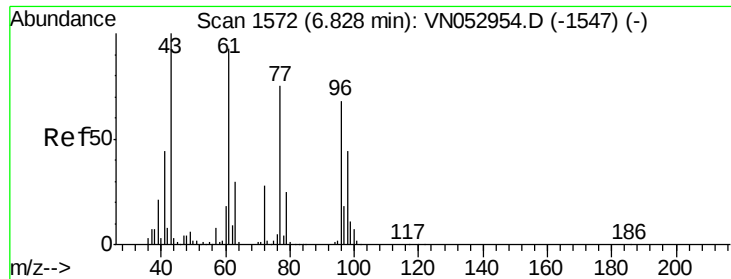
Tot Ion: 43 Resp: 950823
Ion Ratio Lower Upper
43 100
72 27.3 21.0 31.6



#26
2,2-Dichloropropane
Concen: 46.539 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Tgt Ion: 77 Resp: 715855
Ion Ratio Lower Upper
77 100
97 24.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.744 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

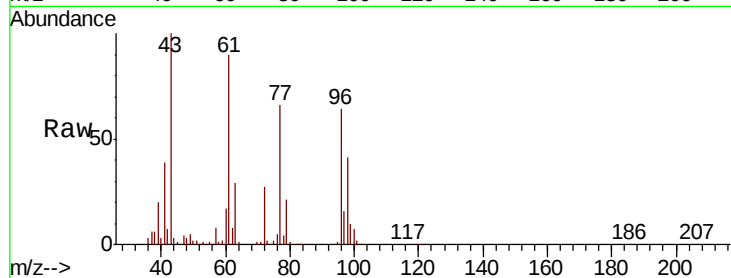
Tot Ion: 96 Resp: 620567

Ion Ratio Lower Upper

96 100

61 139.8 0.0 284.2

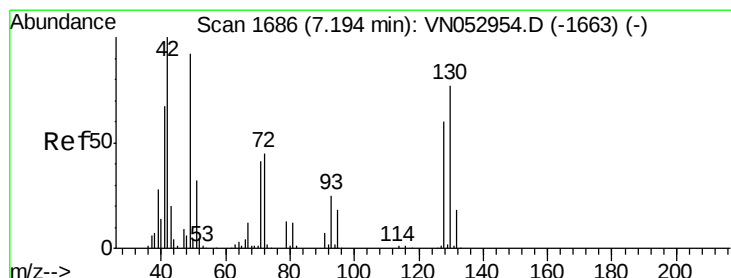
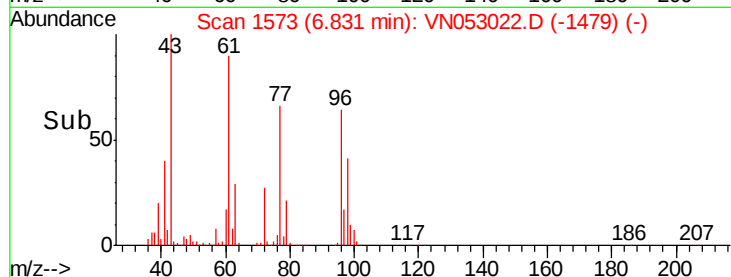
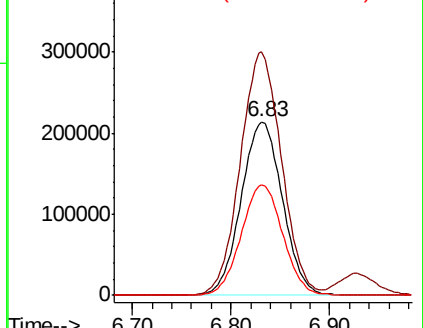
98 64.2 0.0 129.2



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: 50.160 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

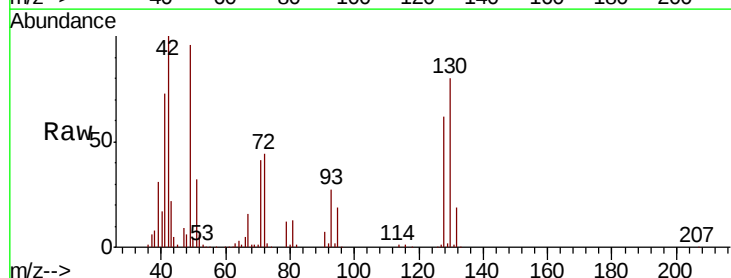
Tgt Ion: 49 Resp: 437968

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

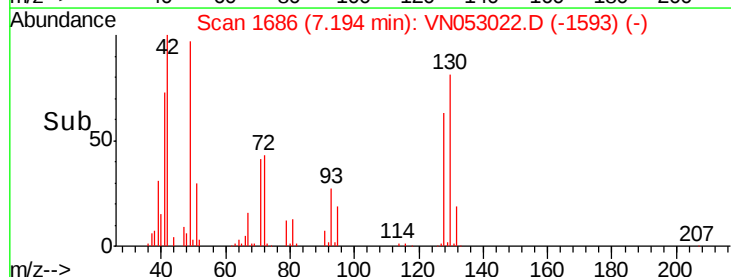
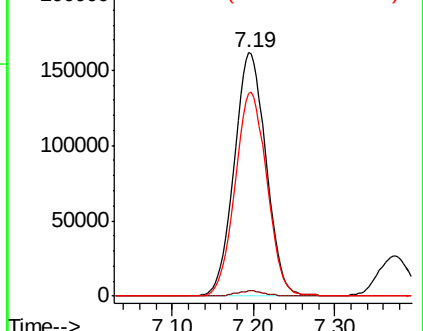
130 83.6 63.3 94.9



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

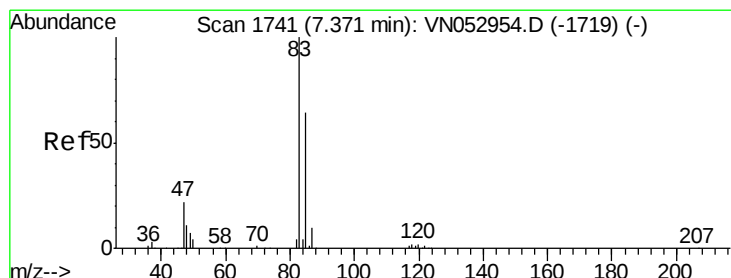
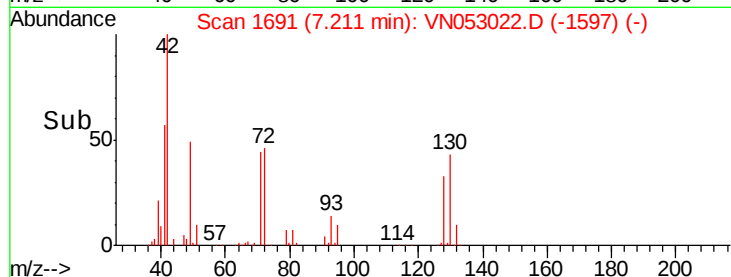
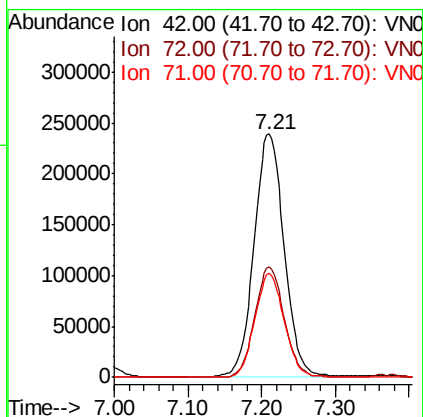
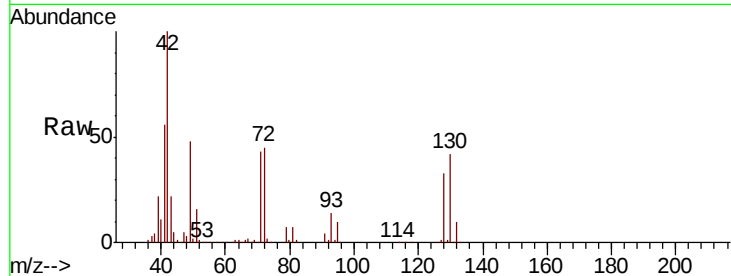




#29
Tetrahydrofuran
Concen: 252.422 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

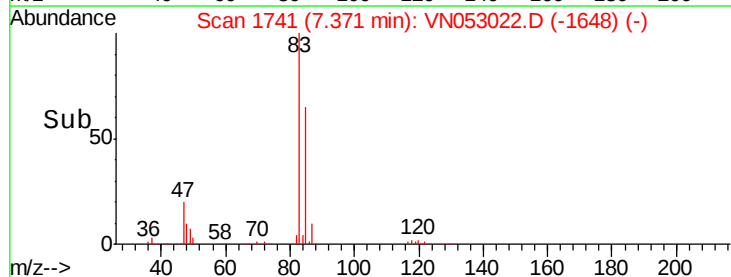
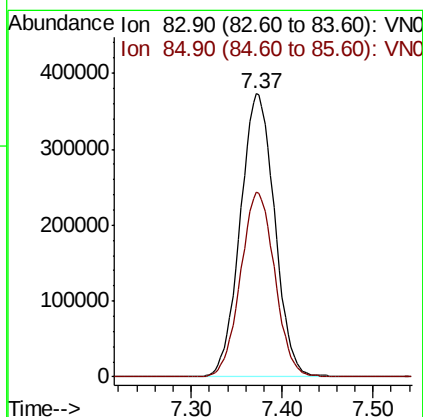
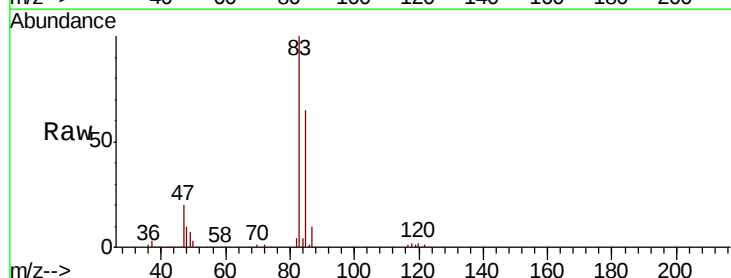
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 677413
Ion Ratio Lower Upper
42 100
72 44.6 34.7 52.1
71 41.8 32.3 48.5



#30
Chloroform
Concen: 49.439 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Tgt Ion: 83 Resp: 978618
Ion Ratio Lower Upper
83 100
85 65.1 52.1 78.1





#31

Cyclohexane

Concen: 48.432 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

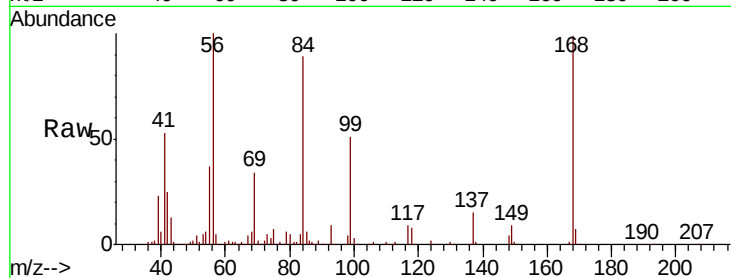
Tot Ion: 56 Resp: 915906

Ion Ratio Lower Upper

56 100

69 33.6 26.6 39.8

84 88.1 68.4 102.6

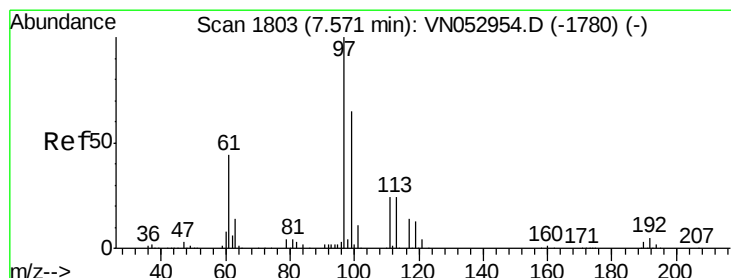
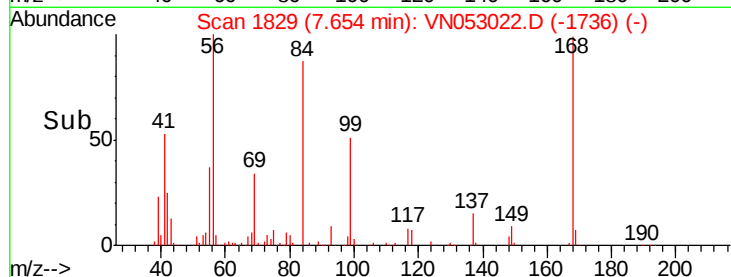
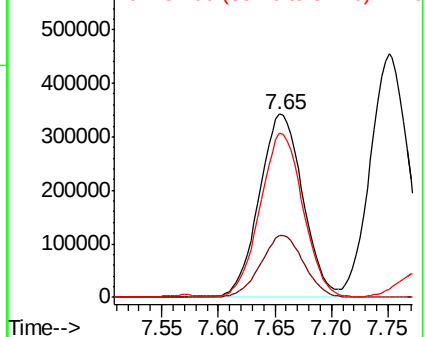


Abundance

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: 48.495 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

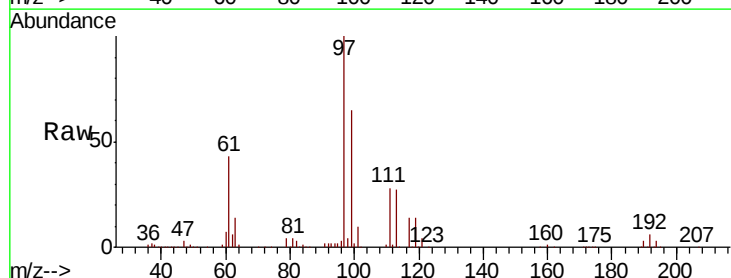
Tgt Ion: 97 Resp: 817741

Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

61 42.9 35.0 52.6

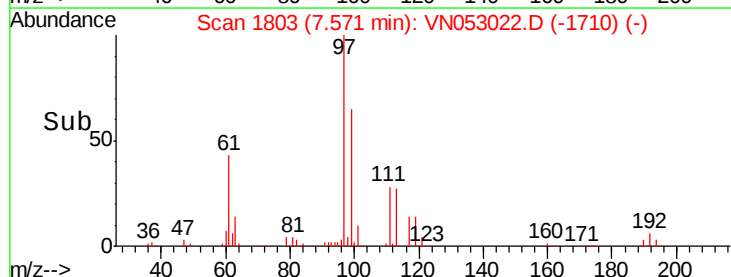
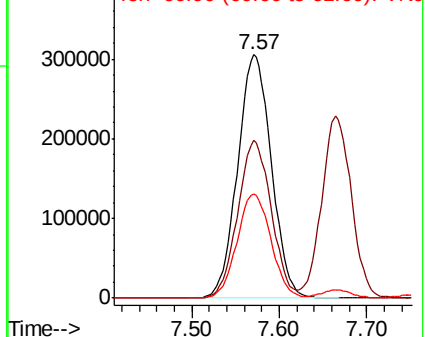


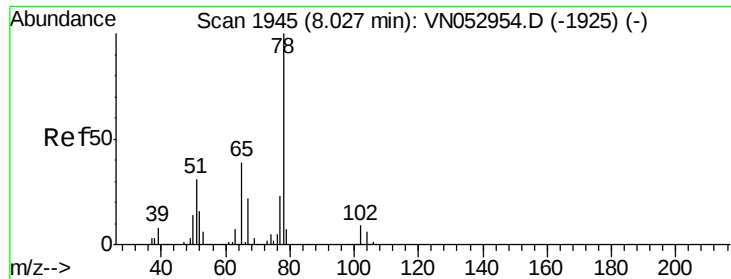
Abundance

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

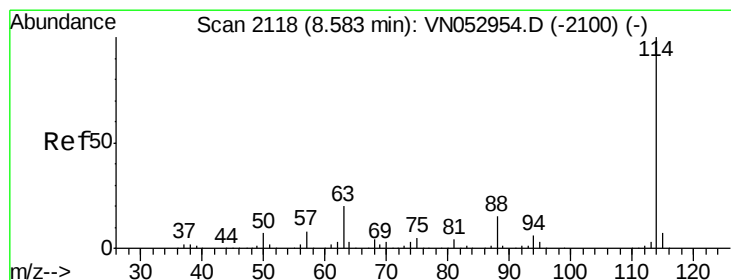
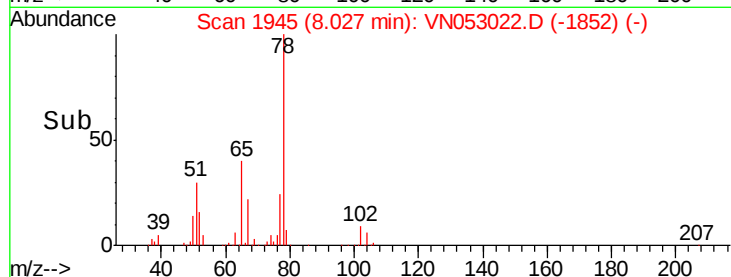
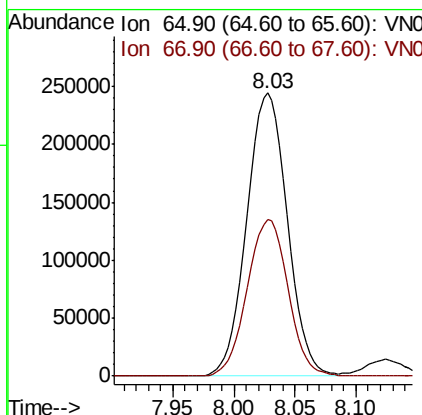
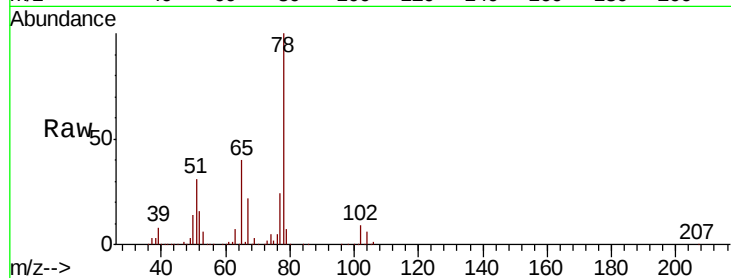




#33
 1,2-Dichloroethane-d4
 Concen: 48.495 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

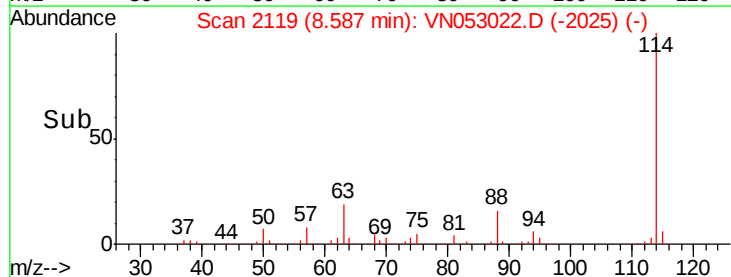
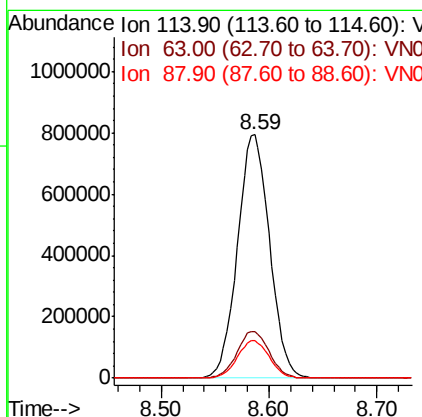
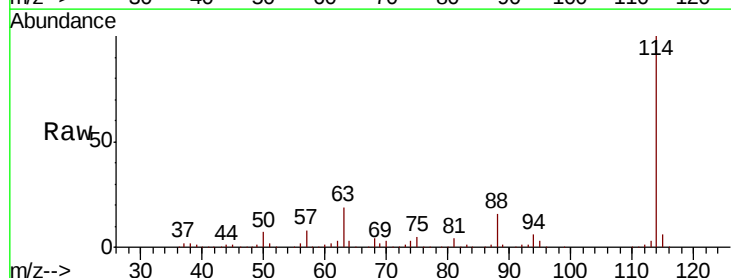
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

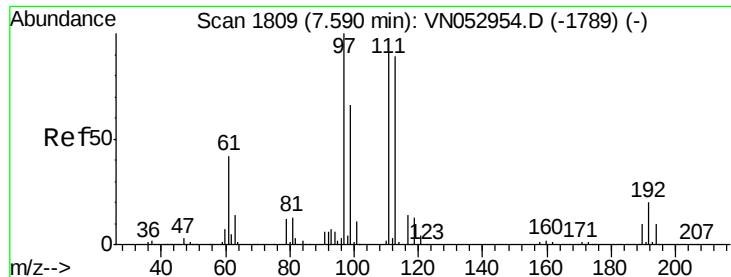
Tot Ion: 65 Resp: 563507
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

Tgt Ion: 114 Resp: 1644754
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.5 0.0 31.0

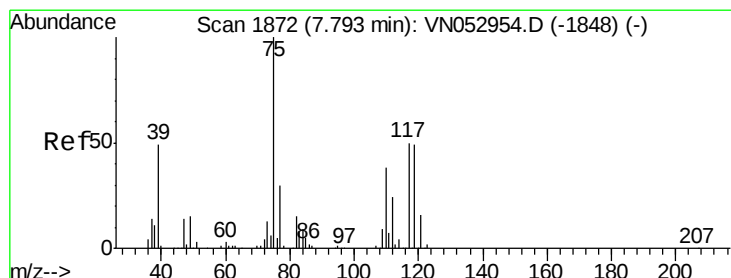
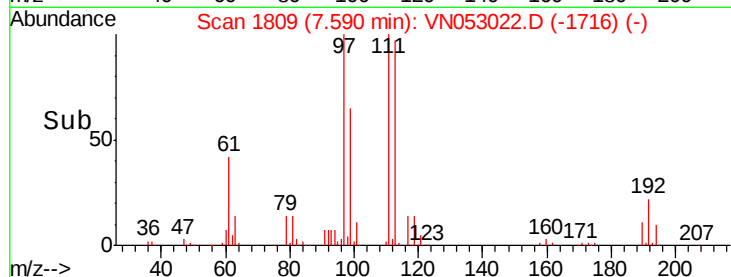
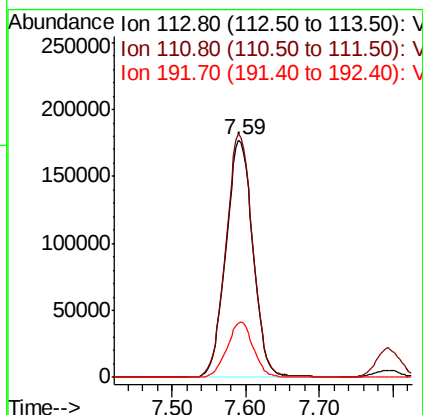
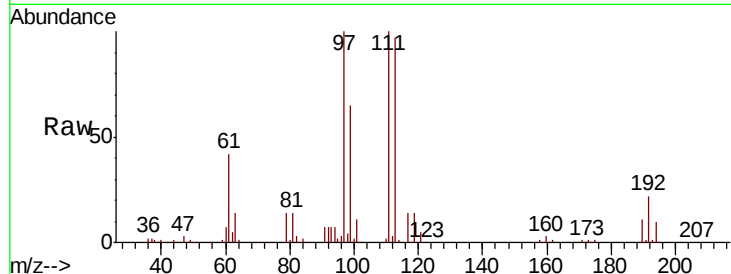




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

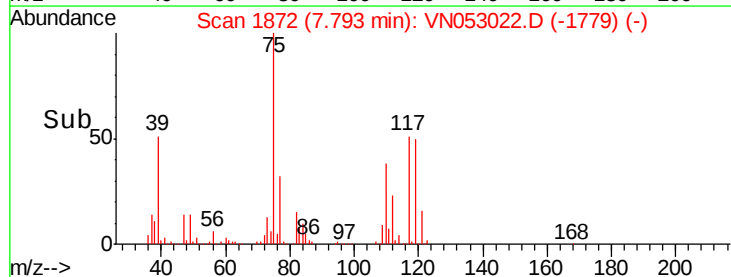
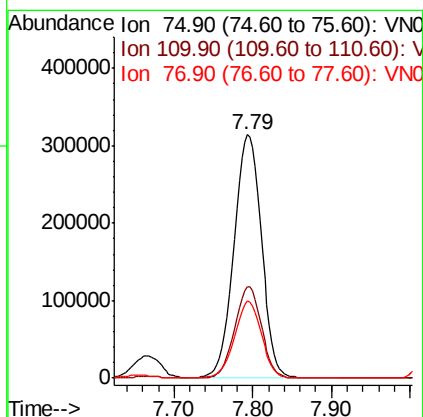
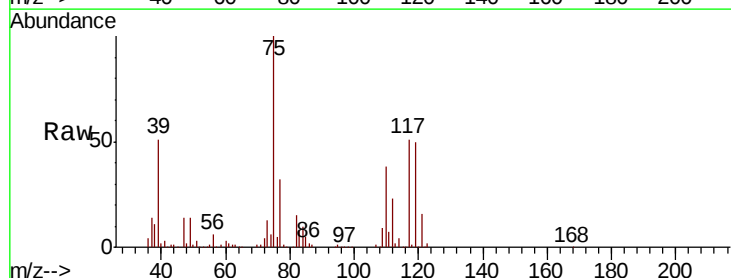
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

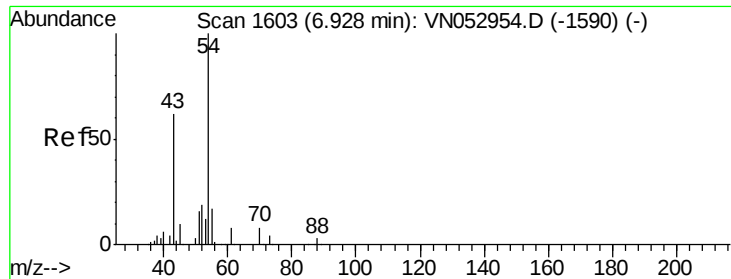
Tot Ion:113 Resp: 451738
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.0 124.4
 192 22.6 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 48.502 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

Tgt Ion: 75 Resp: 765696
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.2 54.6
 77 31.0 24.9 37.3

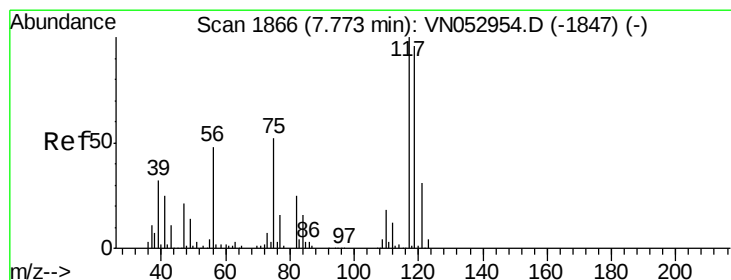
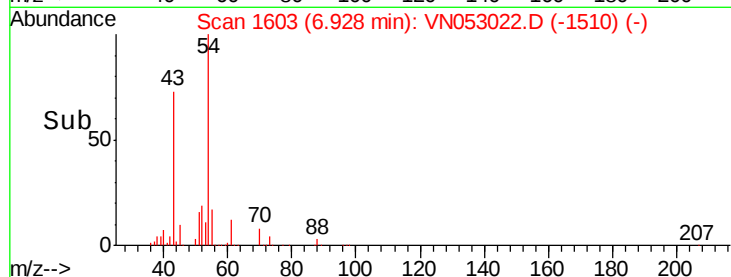
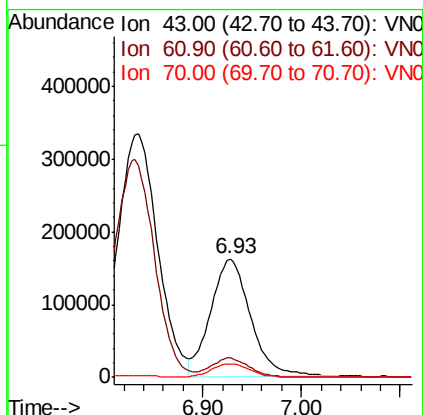
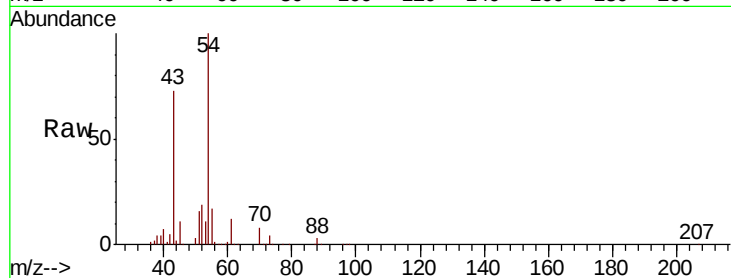




#37
Ethyl Acetate
Concen: 51.622 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

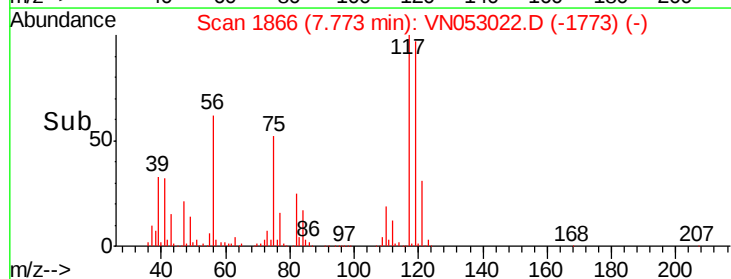
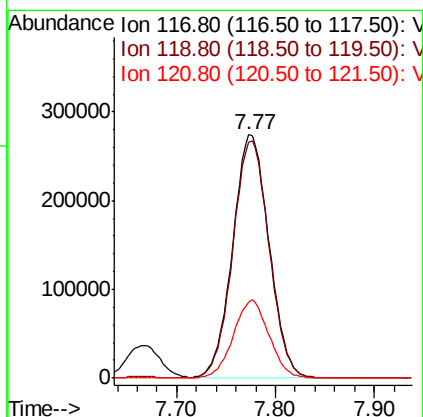
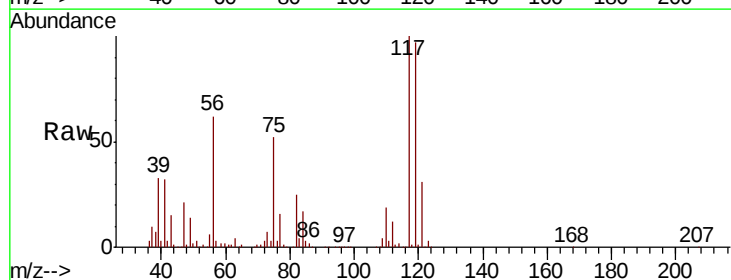
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 454945
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 11.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 48.394 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Tgt Ion: 117 Resp: 700257
Ion Ratio Lower Upper
117 100
119 97.1 77.1 115.7
121 31.4 24.9 37.3

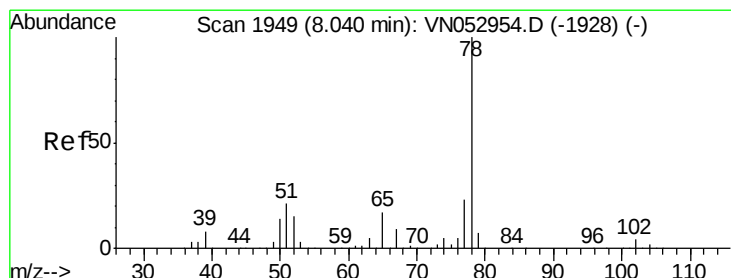
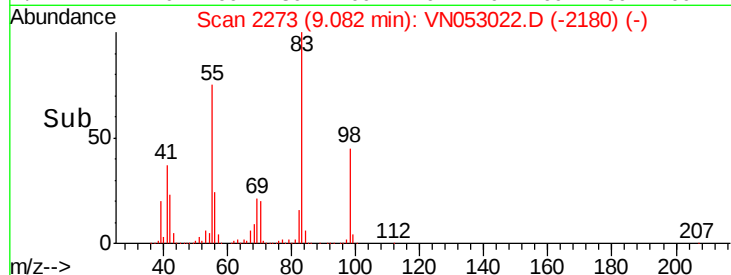
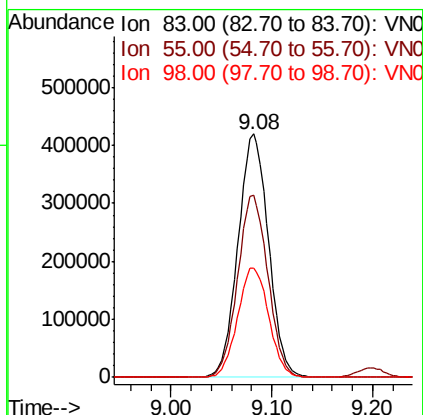
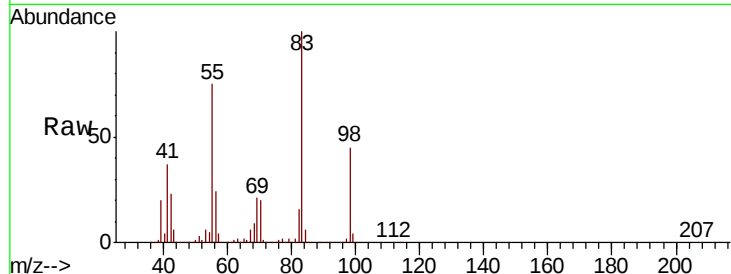




#39
Methvlcvclohexane
Concen: 45.741 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

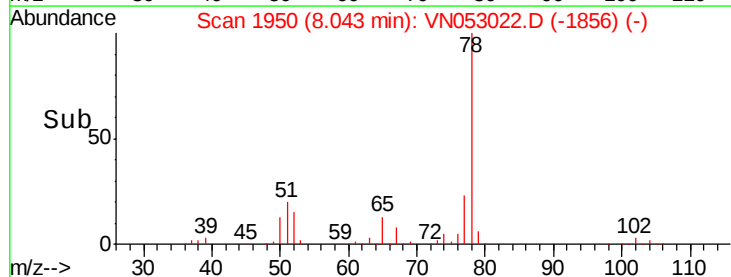
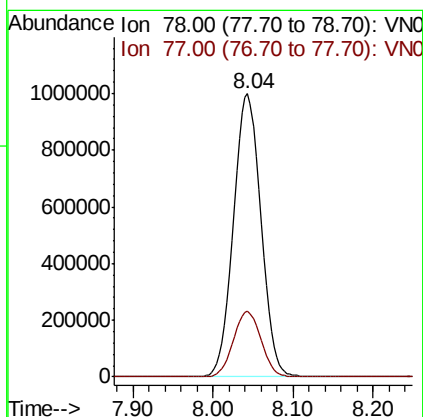
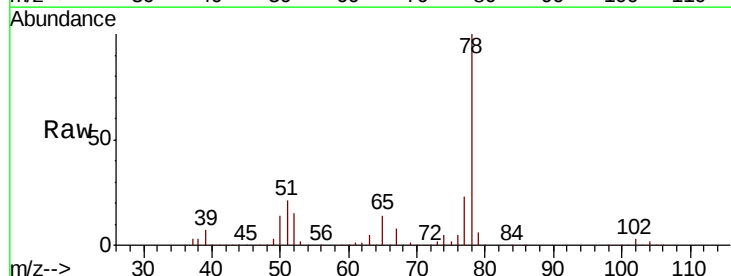
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

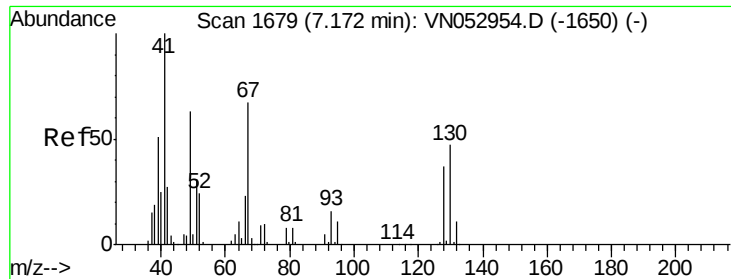
Tot Ion: 83 Resp: 877201
Ion Ratio Lower Upper
83 100
55 74.7 61.3 91.9
98 45.0 37.0 55.4



#40
Benzene
Concen: 49.287 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Tgt Ion: 78 Resp: 2314379
Ion Ratio Lower Upper
78 100
77 23.2 18.5 27.7

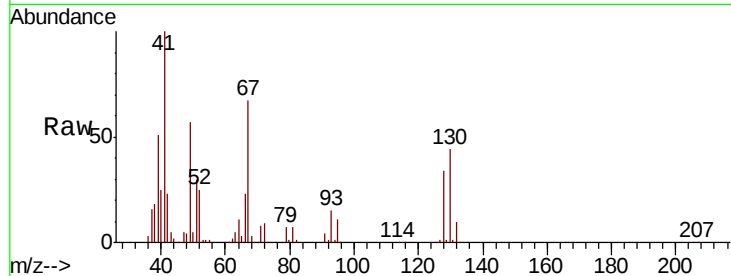




#41
Methacrylonitrile
Concen: 54.435 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	277185
Ion	Ratio	Lower	Upper
41	100		
39	58.0	48.0	72.0
67	78.6	70.3	105.5
52	29.9	26.9	40.3



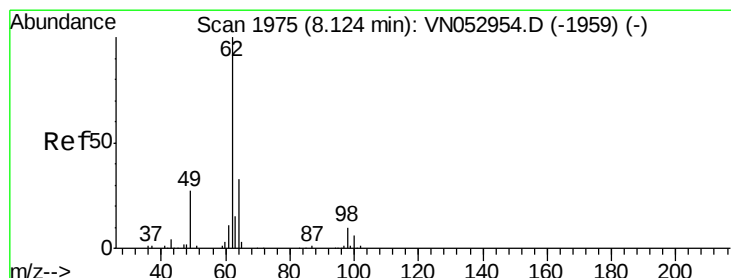
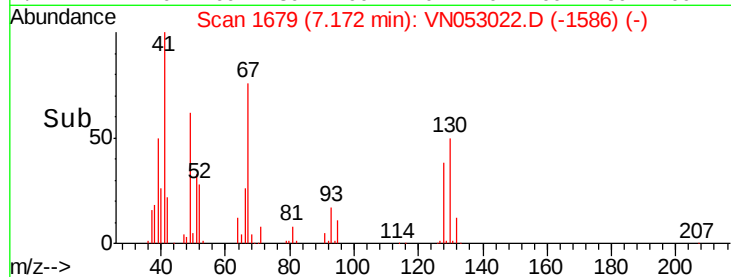
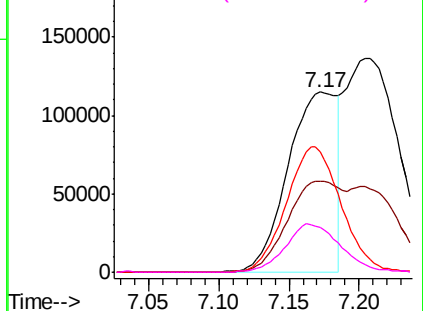
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

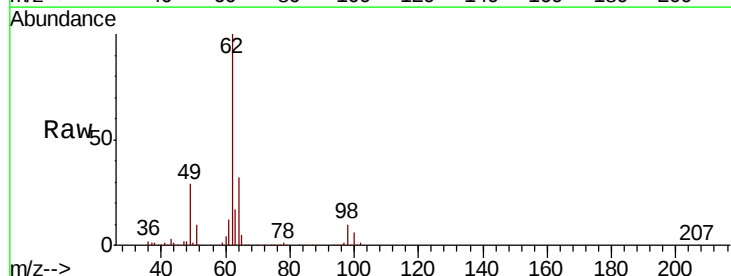
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 48.656 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

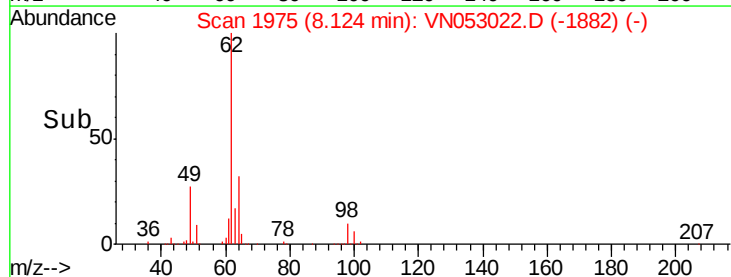
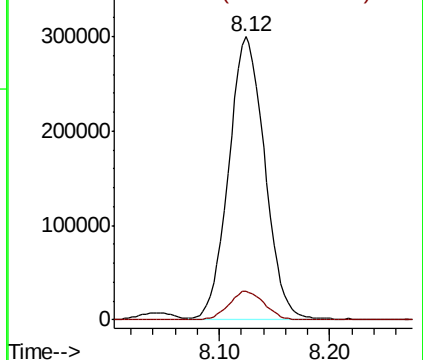
Tgt Ion:	62	Resp:	674957
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.0

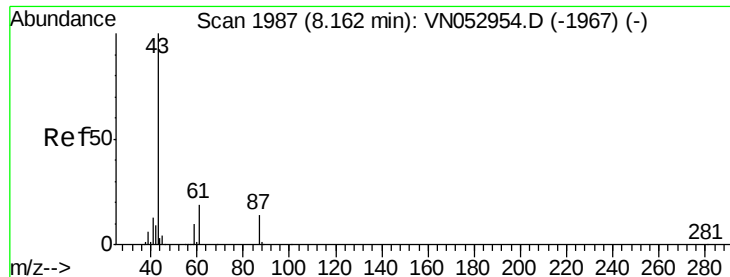


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 50.501 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

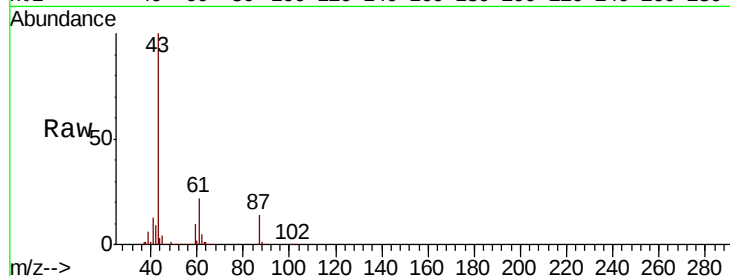
Tot Ion: 43 Resp: 861098

Ion Ratio Lower Upper

43 100

61 29.3 22.9 34.3

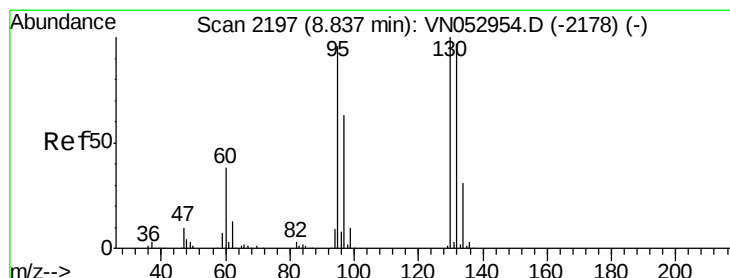
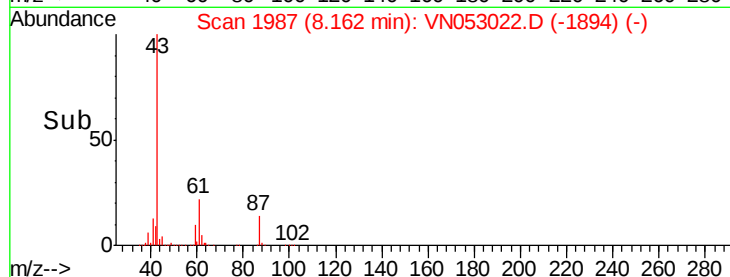
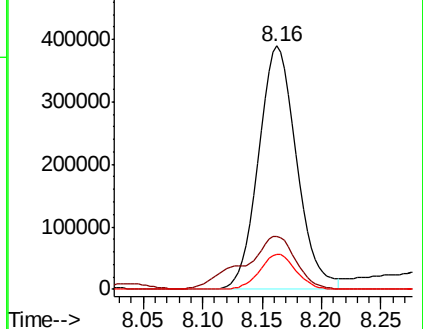
87 13.8 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)



#44

Trichloroethene

Concen: 48.013 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053022.D

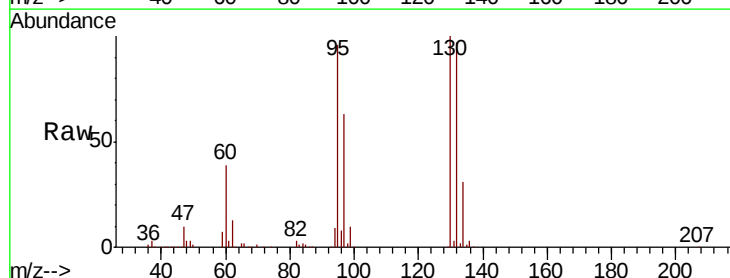
Acq: 19 Dec 2018 20:10

Tgt Ion: 130 Resp: 652111

Ion Ratio Lower Upper

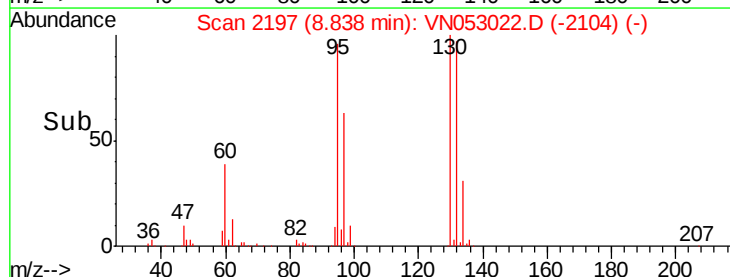
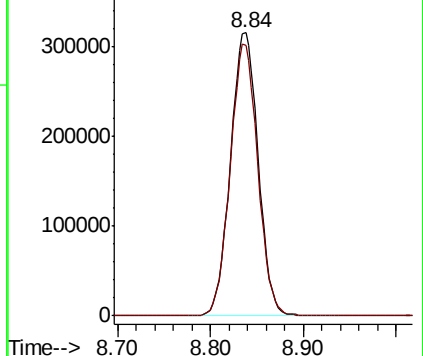
130 100

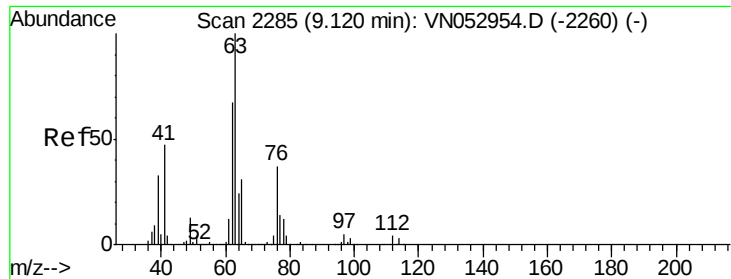
95 95.7 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

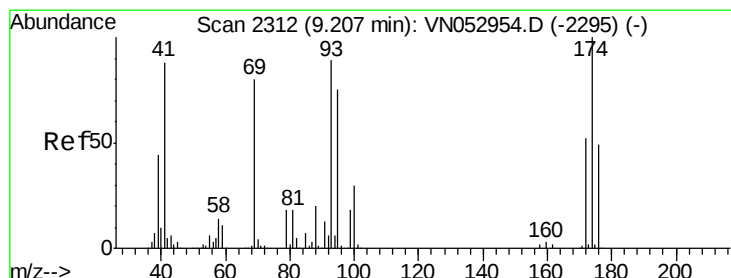
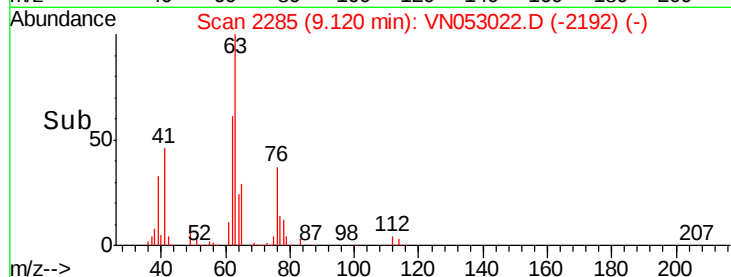
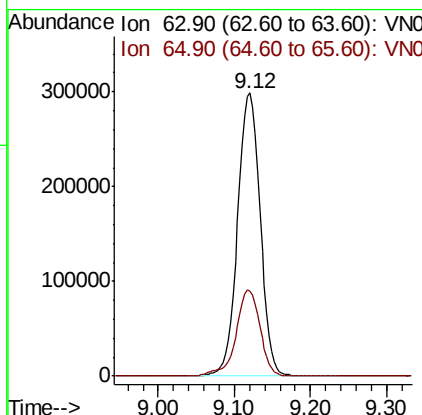
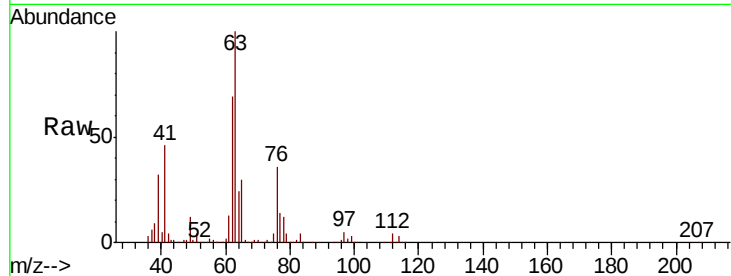




#45
 1,2-Dichloropropane
 Concen: 50.365 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

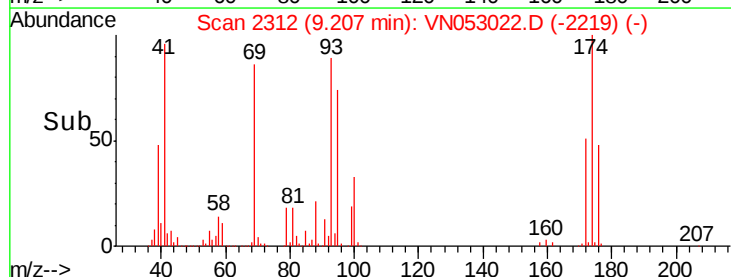
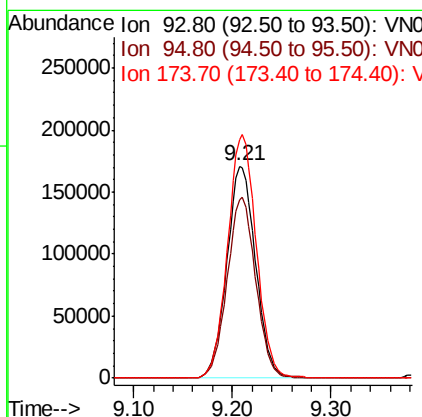
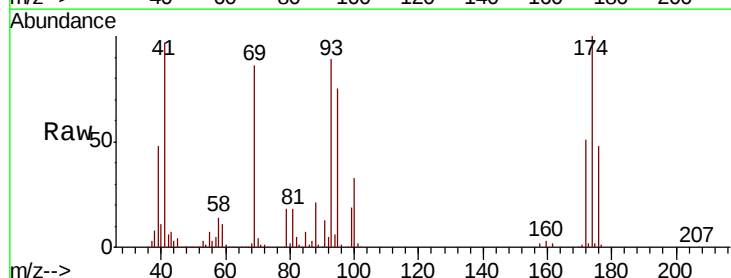
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 616019
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0



#46
 Dibromomethane
 Concen: 48.882 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

Tgt Ion: 93 Resp: 348289
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.8 101.6
 174 114.5 89.0 133.4

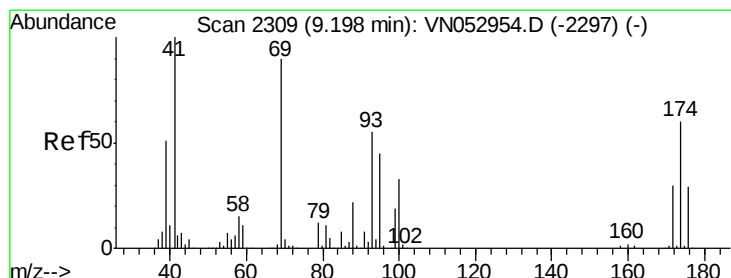
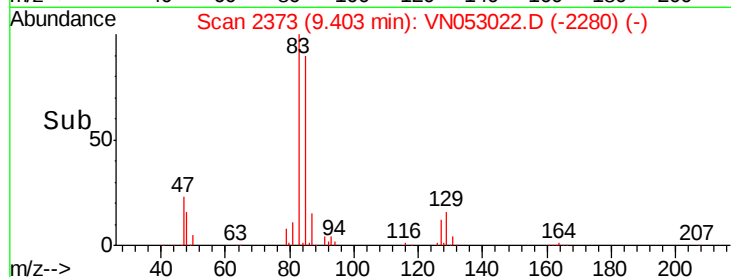
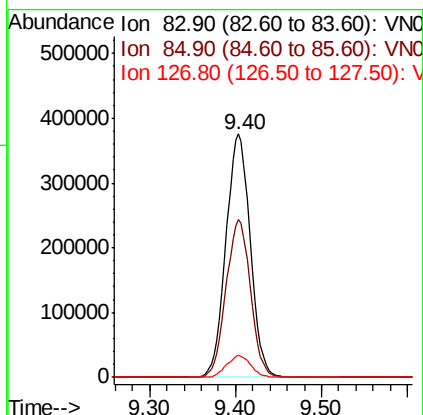
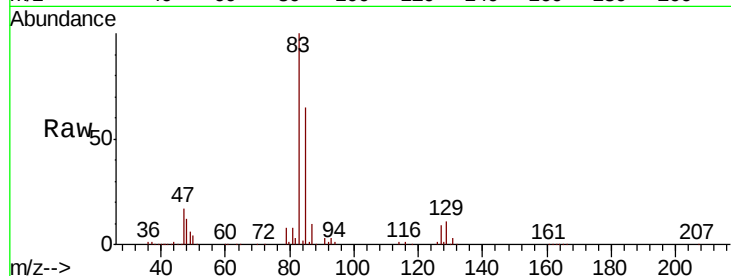




#47
Bromodichloromethane
Concen: 48.695 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

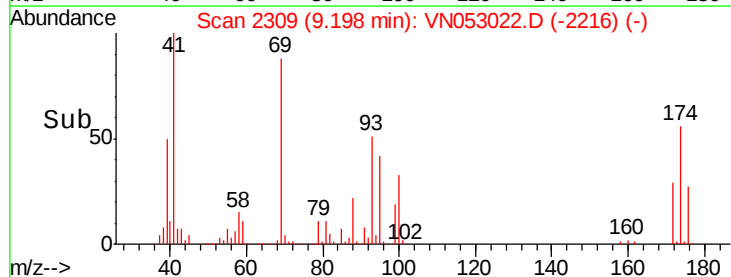
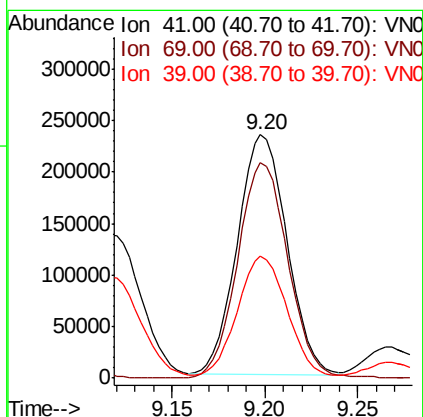
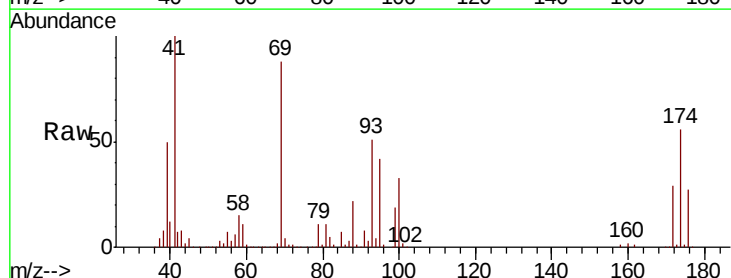
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

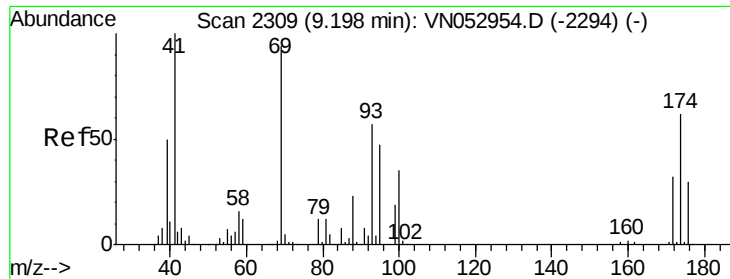
Tot Ion: 83 Resp: 737513
Ion Ratio Lower Upper
83 100
85 64.7 51.6 77.4
127 8.9 7.1 10.7



#48
Methyl methacrylate
Concen: 50.715 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Tgt Ion: 41 Resp: 433702
Ion Ratio Lower Upper
41 100
69 91.4 72.2 108.2
39 51.4 41.9 62.9

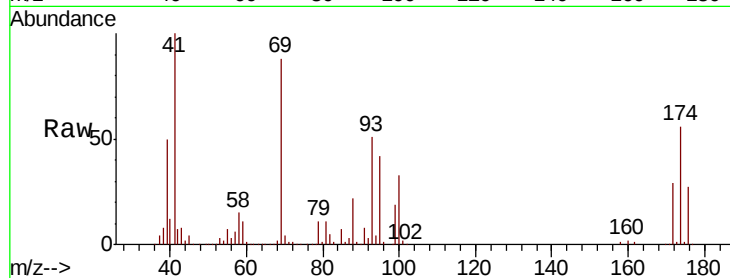




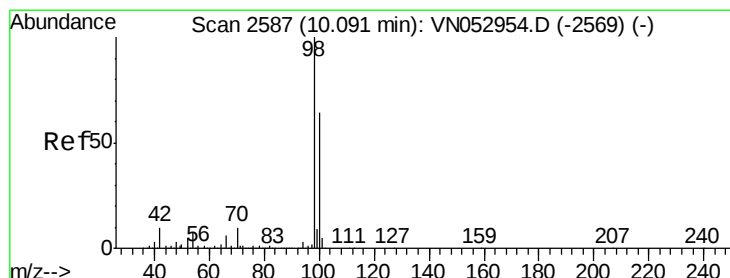
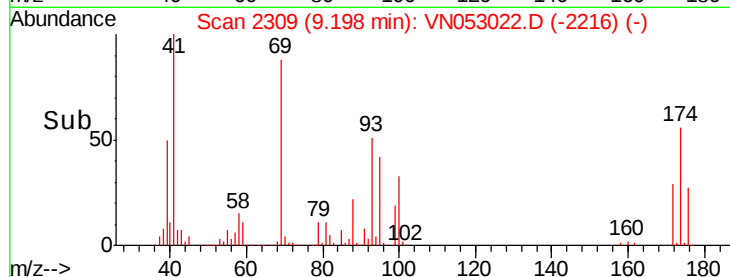
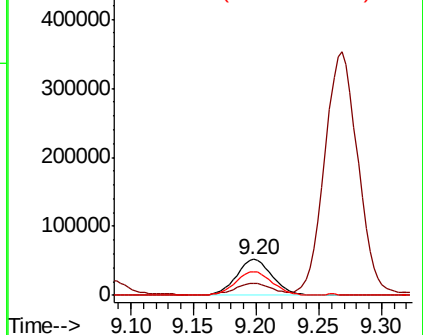
#49
 1,4-Dioxane
 Concen: 957.015 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 103527
 Ion Ratio Lower Upper
 88 100
 43 31.6 26.6 40.0
 58 68.4 58.4 87.6

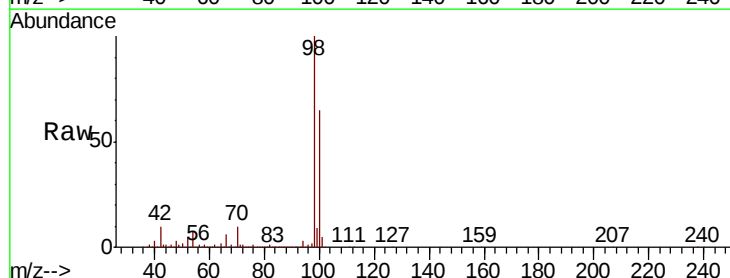


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

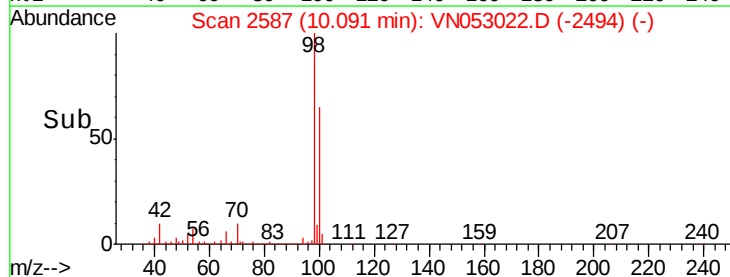
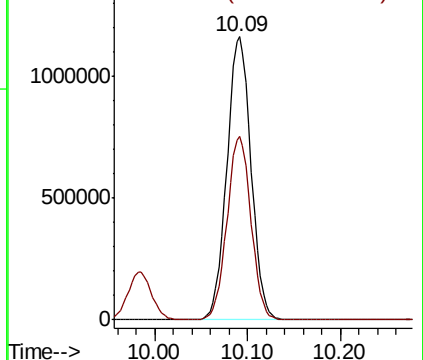


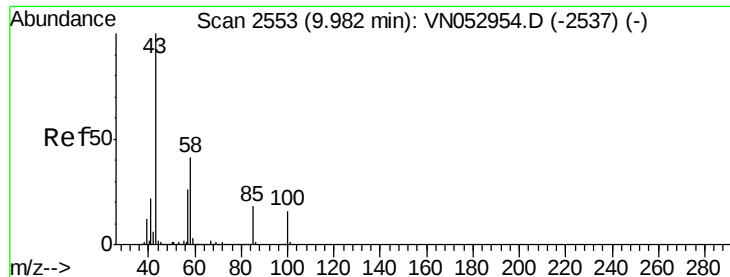
#50
 Toluene-d8
 Concen: 957.015 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

Tgt Ion: 98 Resp: 2093710
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.6 77.4



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

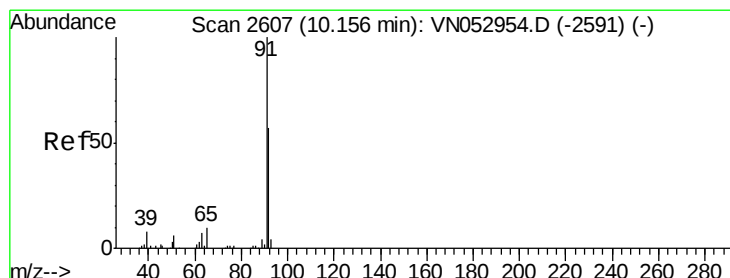
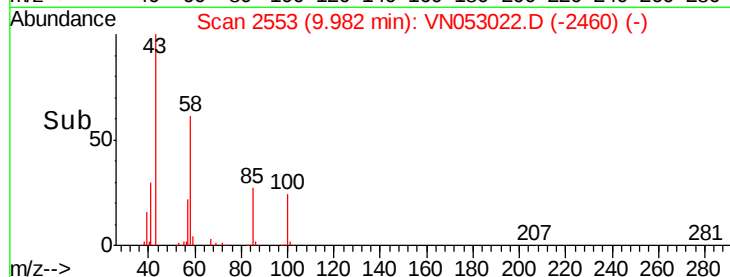
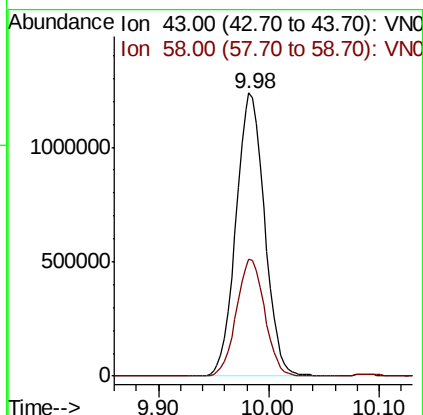
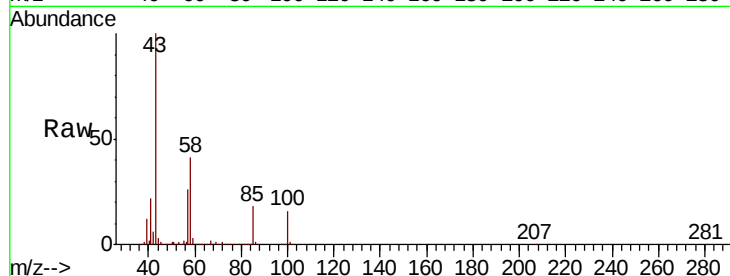




#51
4-Methyl-2-Pentanone
Concen: 259.074 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

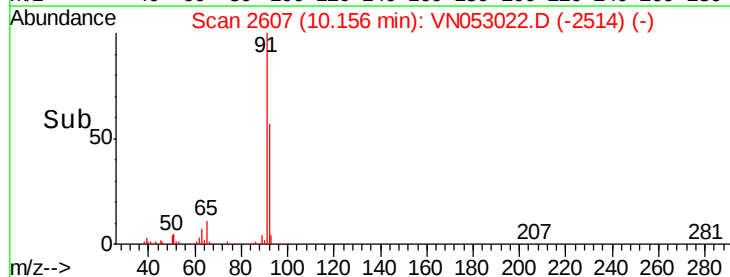
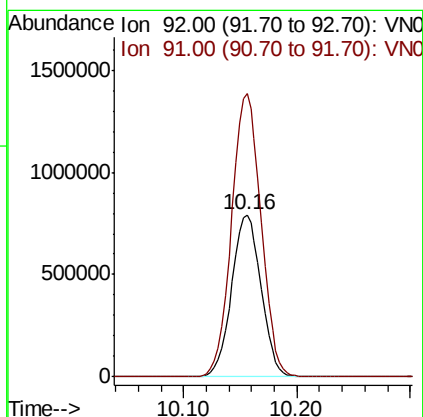
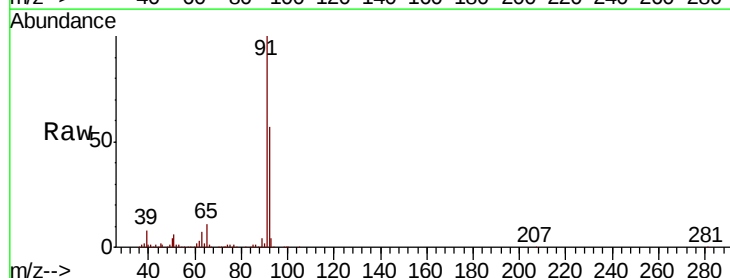
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

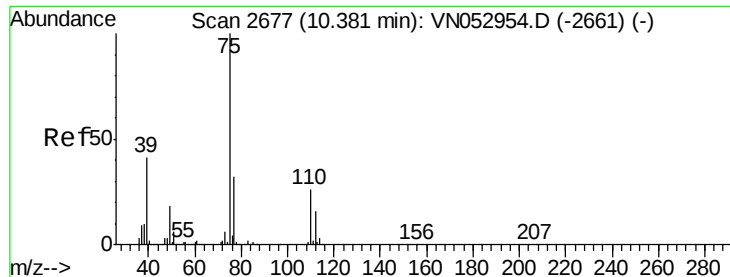
Tot Ion: 43 Resp: 2211106
Ion Ratio Lower Upper
43 100
58 41.1 32.2 48.4



#52
Toluene
Concen: 49.121 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Tgt Ion: 92 Resp: 1429698
Ion Ratio Lower Upper
92 100
91 175.7 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 48.316 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

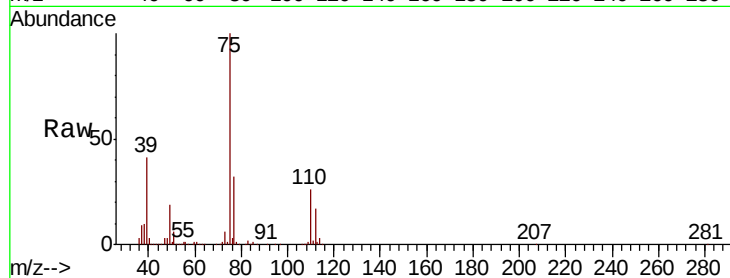
VSTDCCC050EC

Tot Ion: 75 Resp: 769503

Ion Ratio Lower Upper

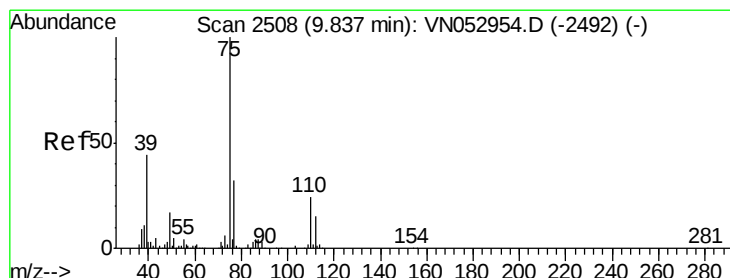
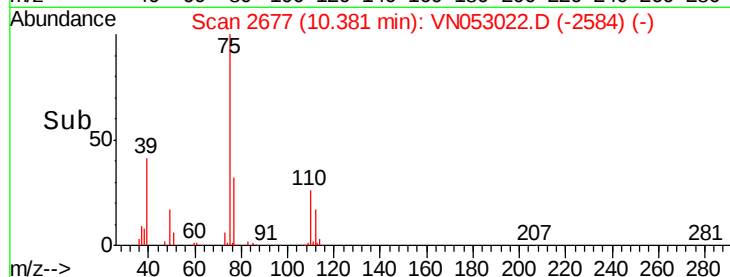
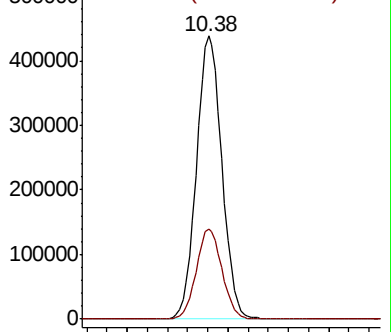
75 100

77 32.0 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.801 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

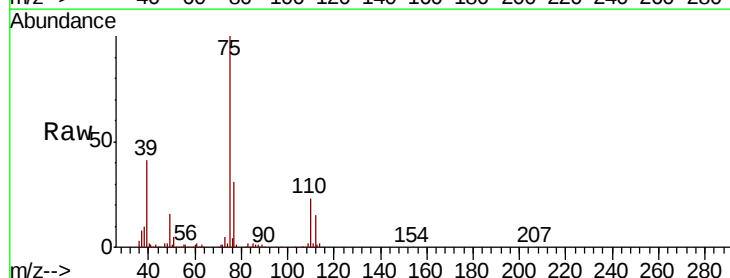
Tgt Ion: 75 Resp: 910398

Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.8

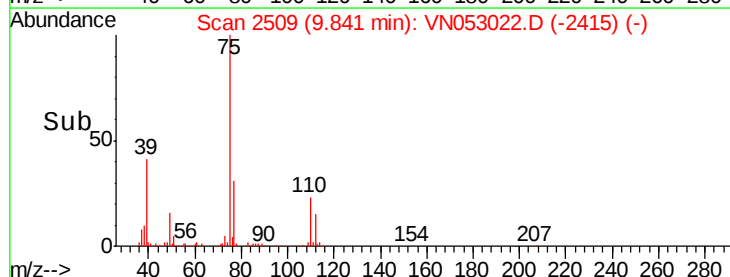
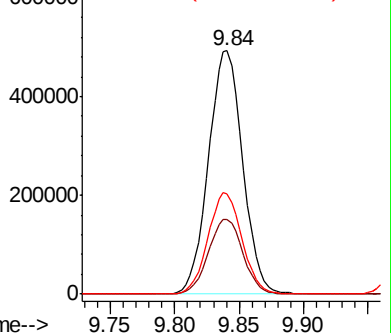
39 40.9 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

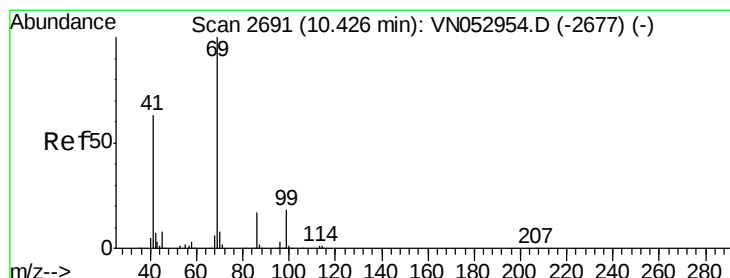
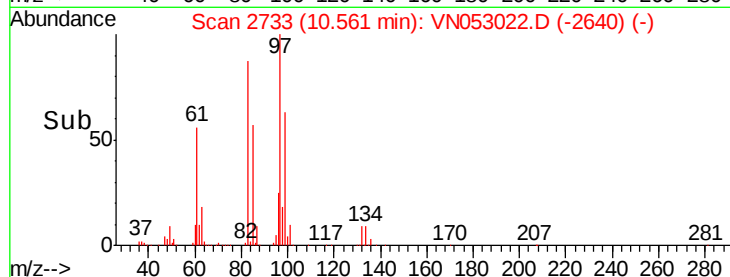
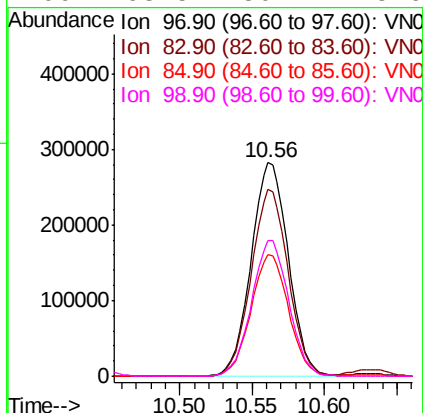
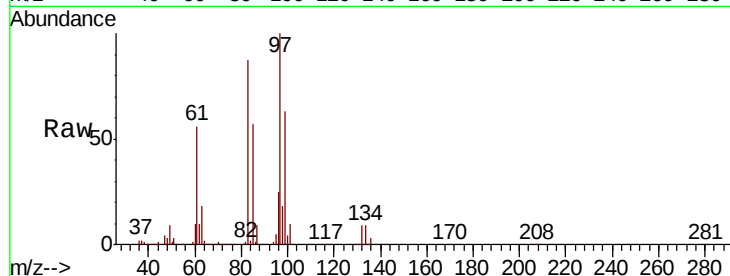




#55
 1,1,2-Trichloroethane
 Concen: 49.705 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

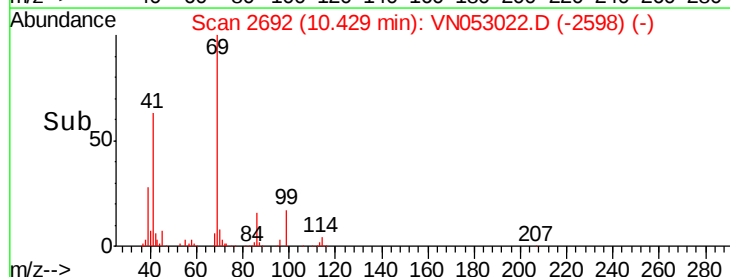
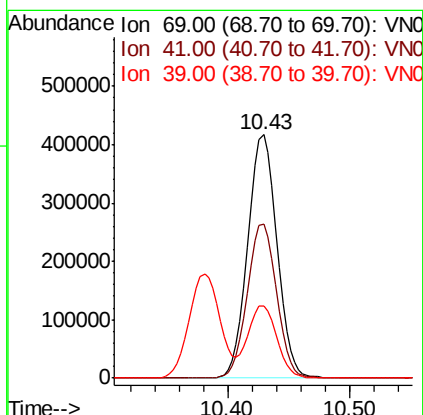
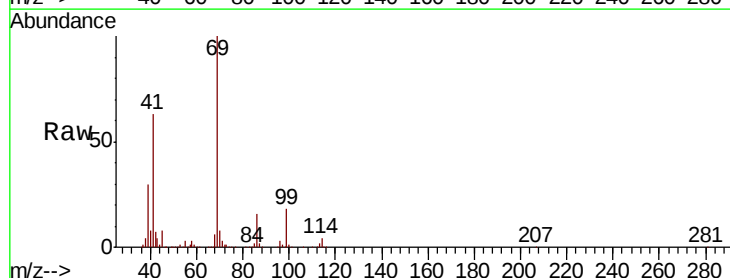
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	504706
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.9	106.3
85	57.1	45.4	68.2
99	63.5	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 51.113 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

Tgt Ion:	69	Resp:	686956
Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.7	77.5
39	29.4	24.6	37.0

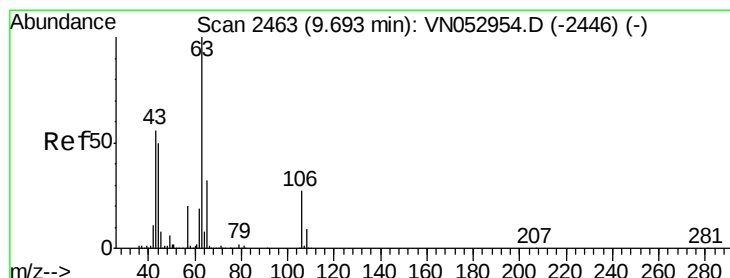
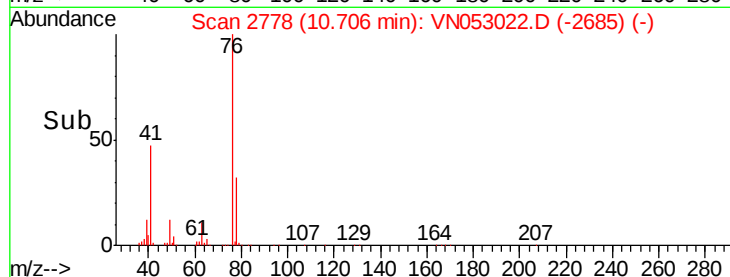
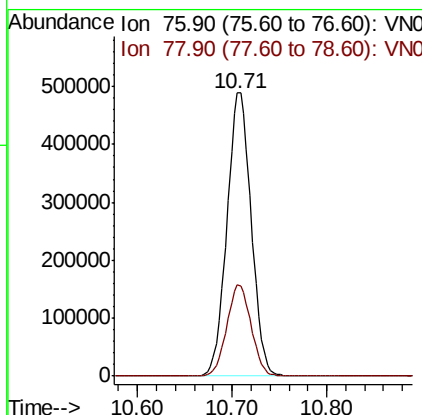
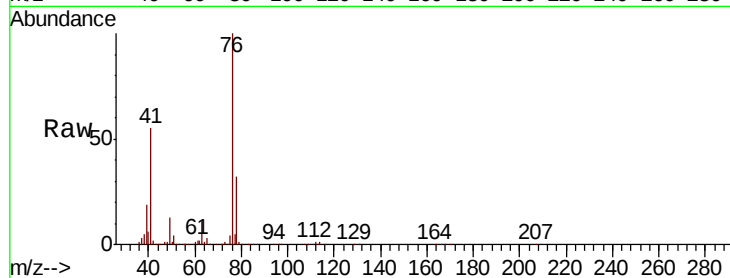




#57
 1,3-Dichloropropane
 Concen: 49.976 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

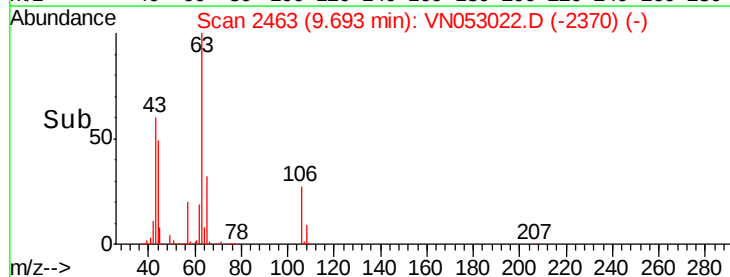
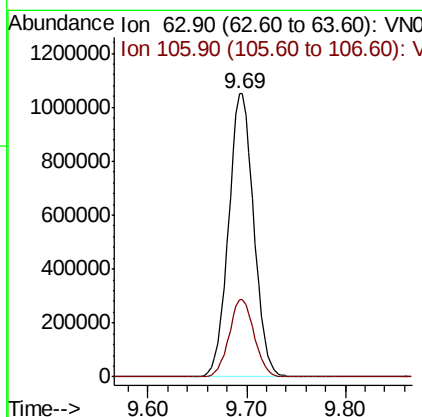
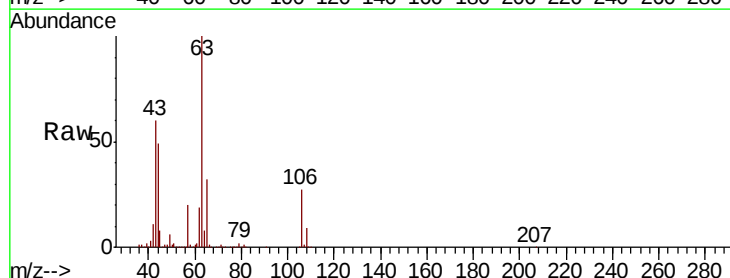
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

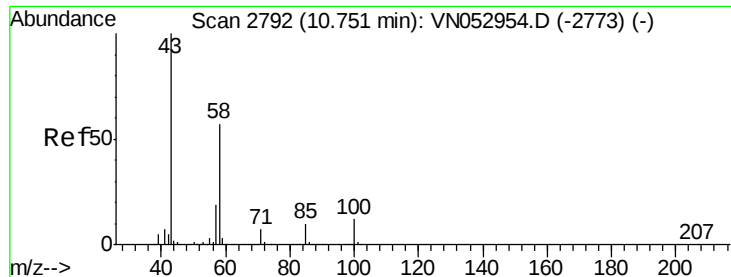
Tot Ion: 76 Resp: 870204
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.832 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

Tgt Ion: 63 Resp: 1872875
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.0 31.6

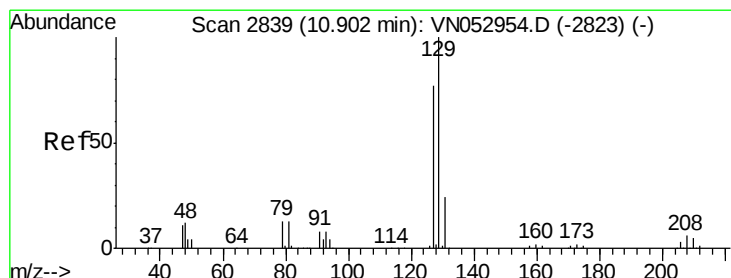
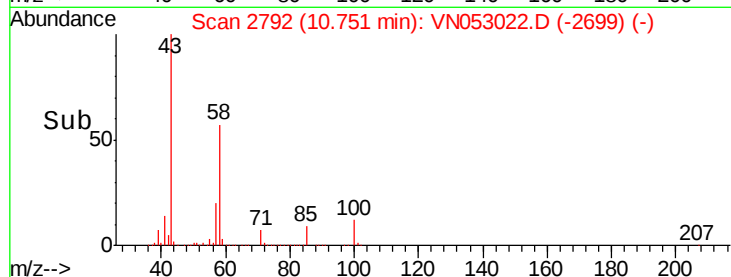
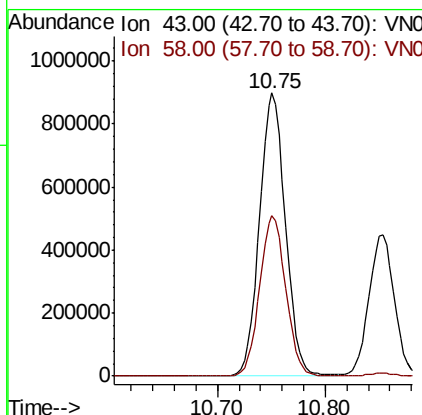
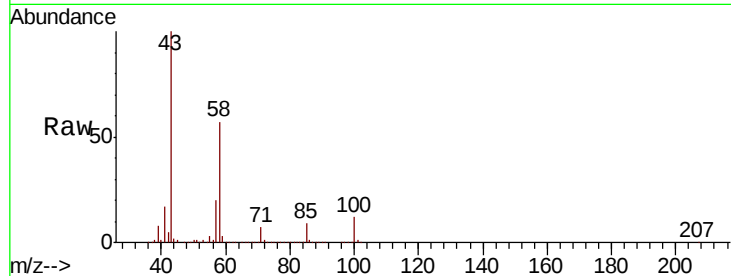




#59
2-Hexanone
Concen: 258.702 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

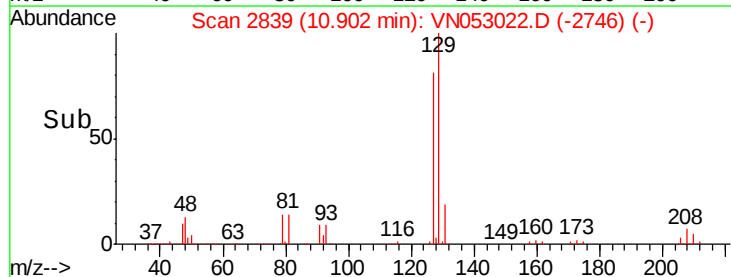
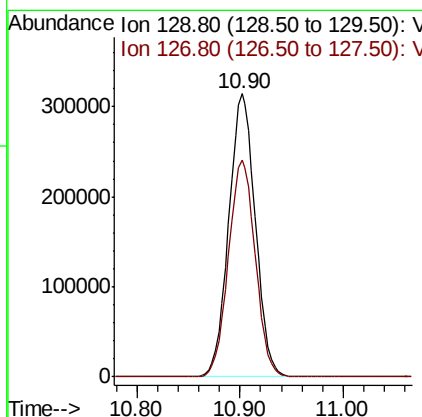
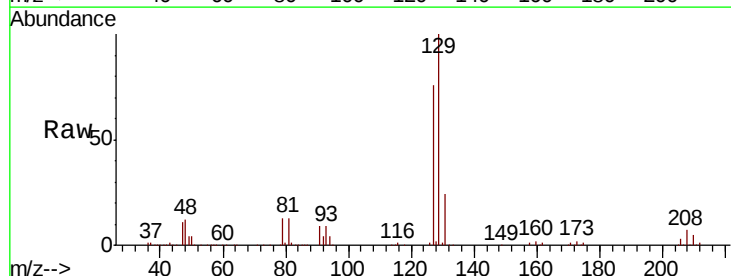
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

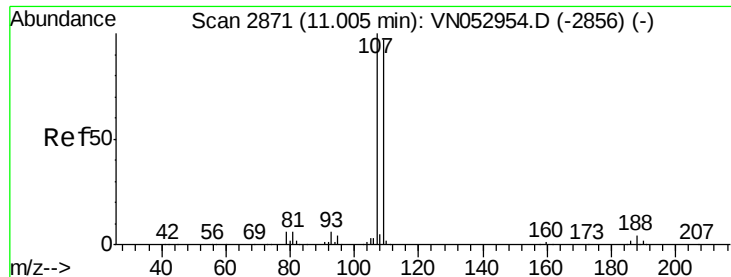
Tot Ion: 43 Resp: 1493846
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3



#60
Dibromochloromethane
Concen: 48.480 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Tgt Ion: 129 Resp: 563490
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0

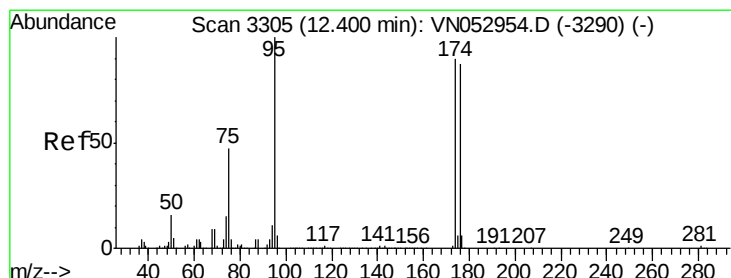
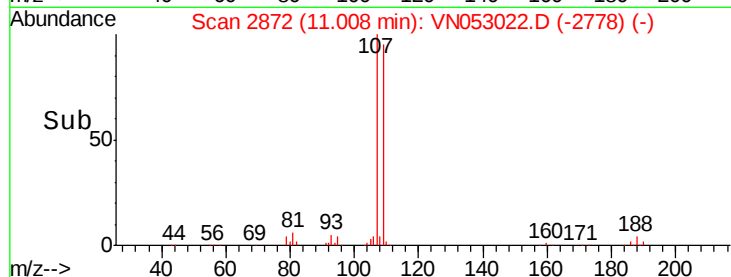
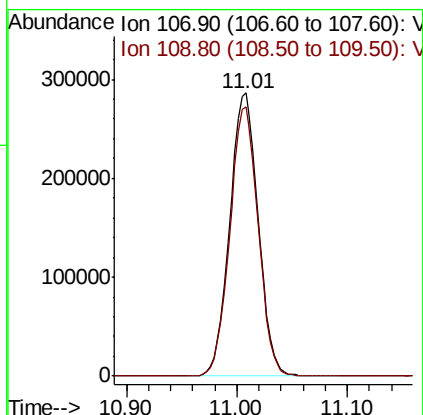
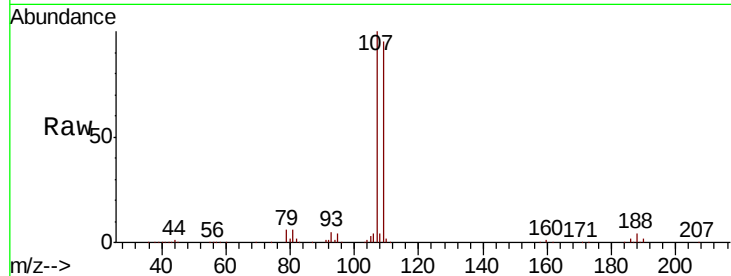




#61
 1,2-Dibromoethane
 Concen: 49.656 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

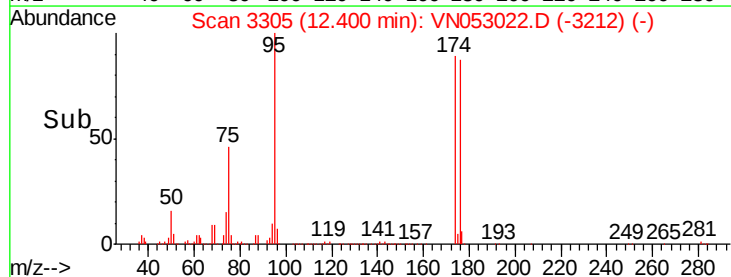
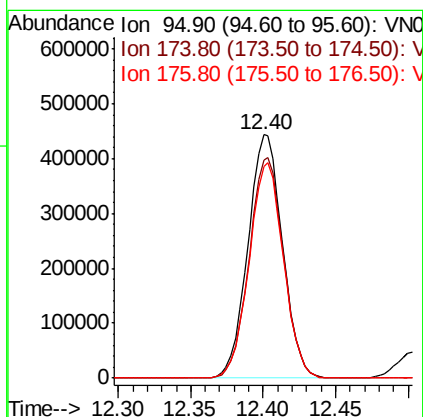
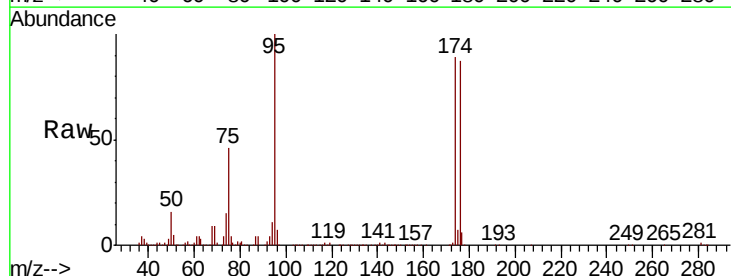
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

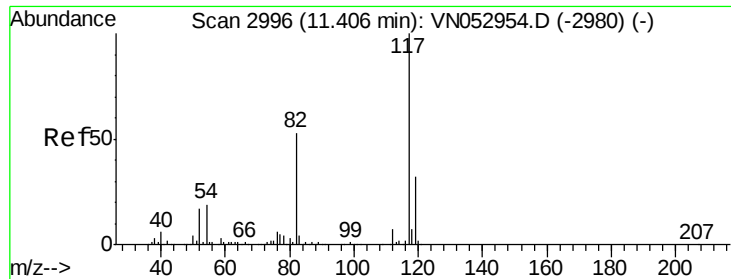
Tot Ion: 107 Resp: 512074
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.656 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

Tgt Ion: 95 Resp: 735405
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 178.8
 176 87.8 0.0 173.8

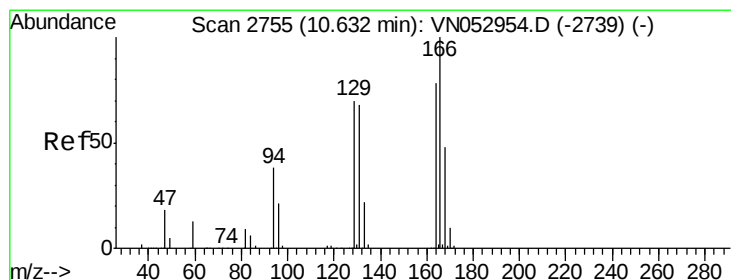
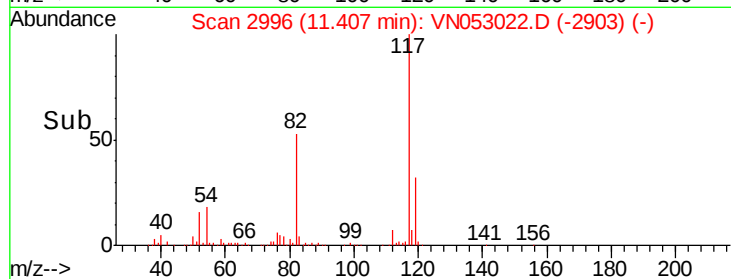
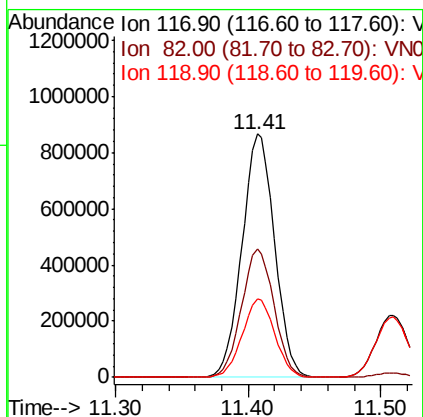
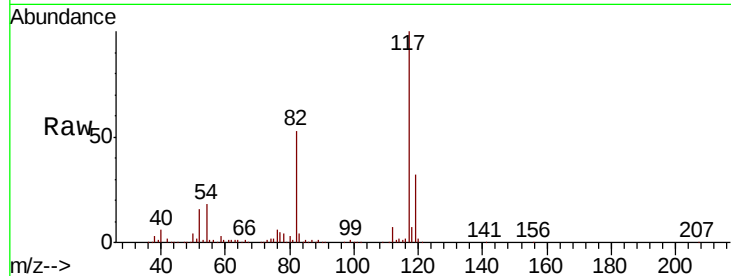




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

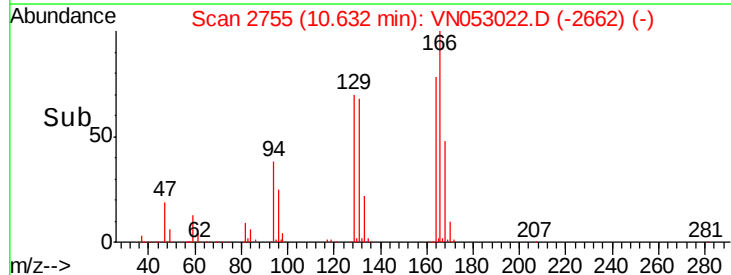
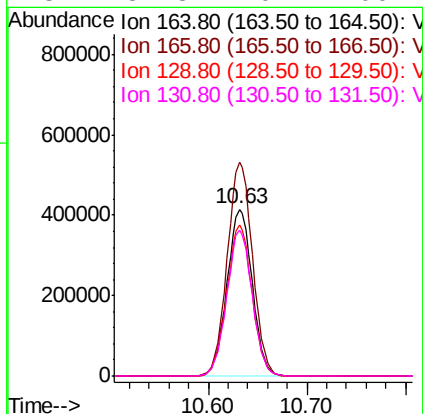
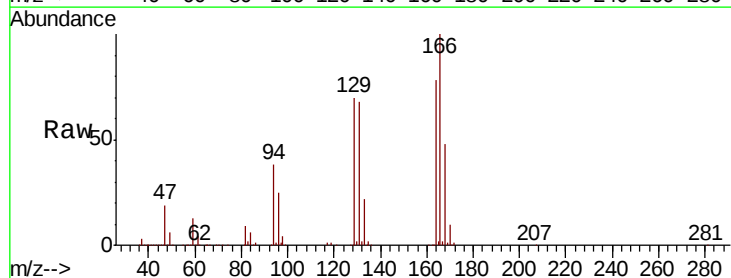
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

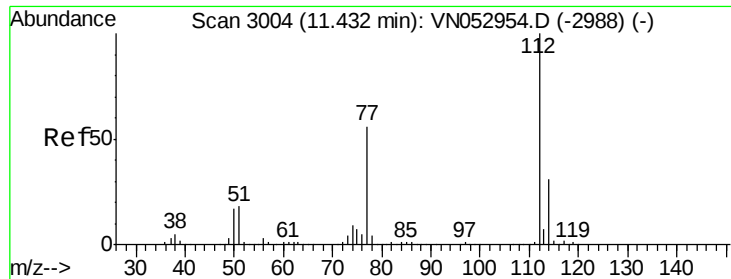
Tot Ion:117 Resp: 1476455
Ion Ratio Lower Upper
117 100
82 52.6 42.8 64.2
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 46.403 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Tgt Ion:164 Resp: 742142
Ion Ratio Lower Upper
164 100
166 128.2 102.9 154.3
129 90.4 73.7 110.5
131 87.8 70.7 106.1

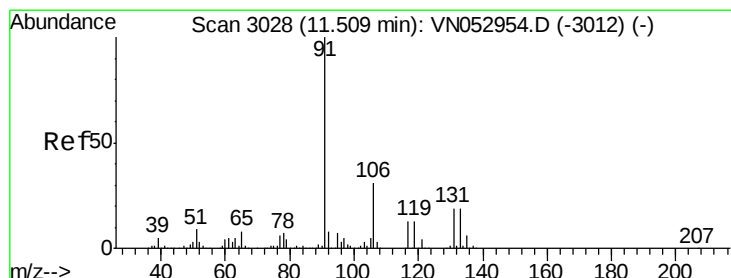
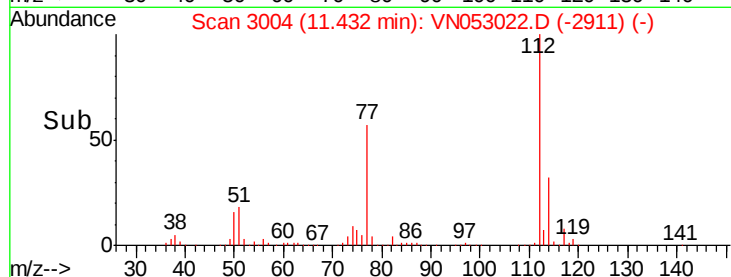
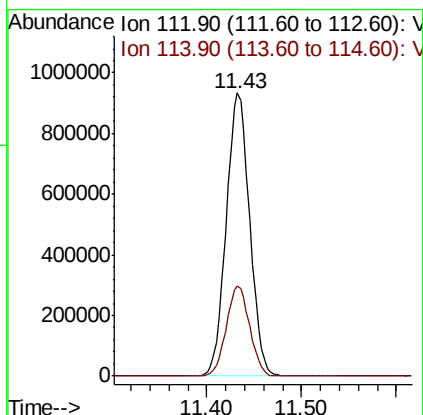
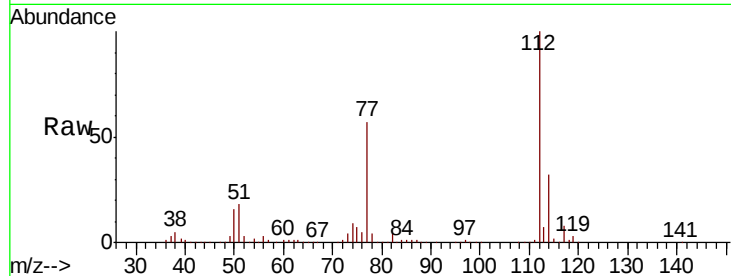




#65
Chlorobenzene
Concen: 48.997 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

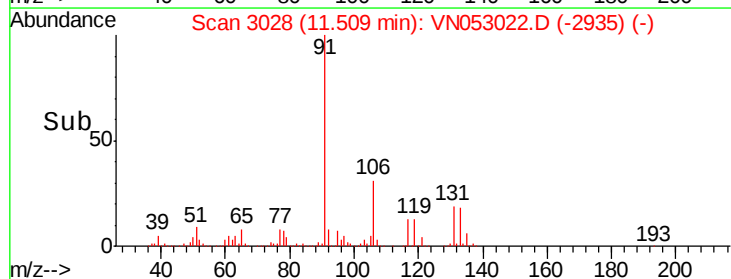
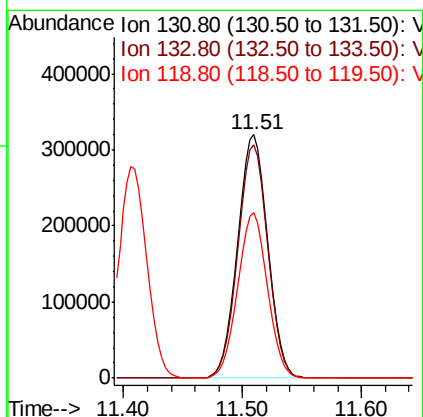
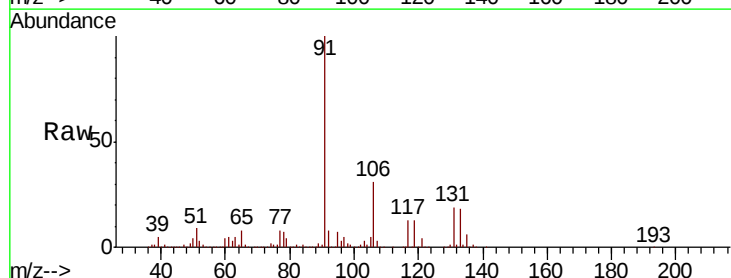
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

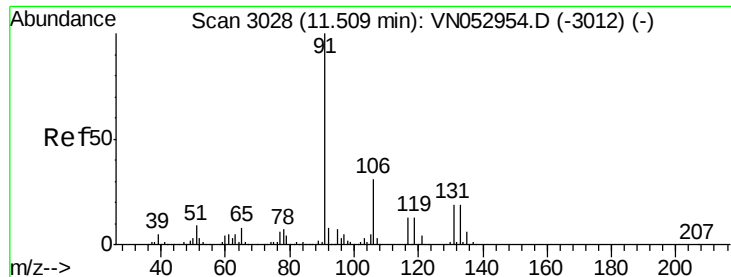
Tot Ion:112 Resp: 1603619
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.195 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Tgt Ion:131 Resp: 559907
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 67.0 33.3 99.8

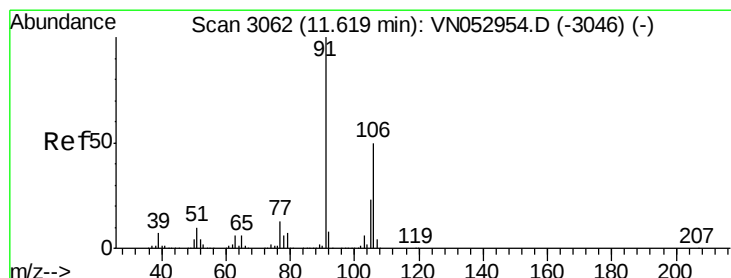
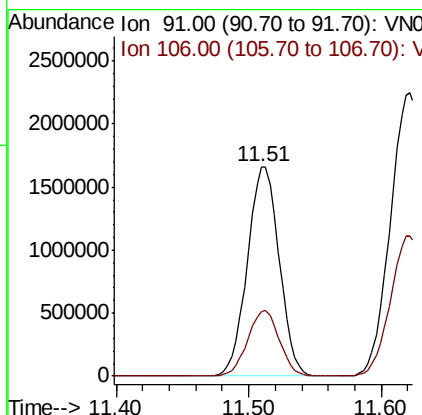
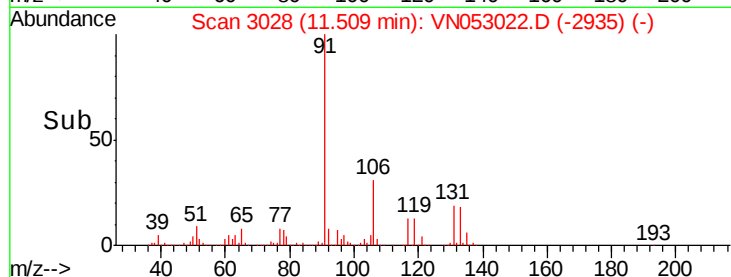
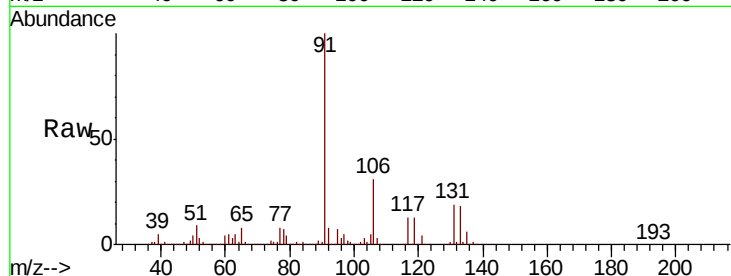




#67
Ethyl Benzene
Concen: 49.360 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

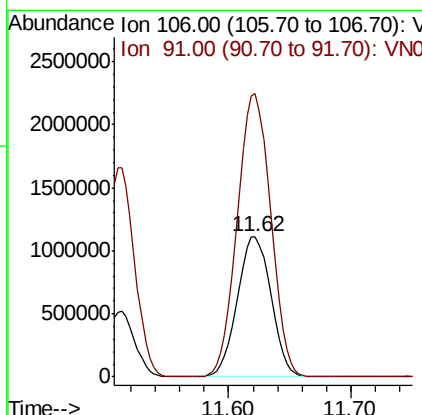
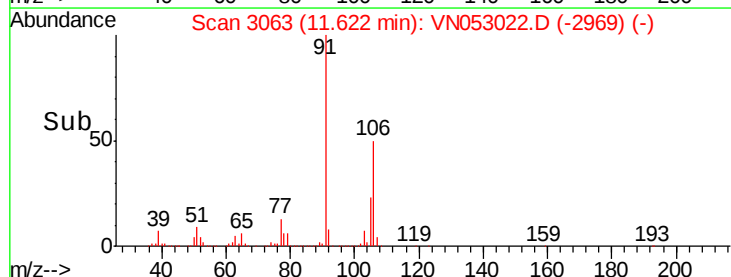
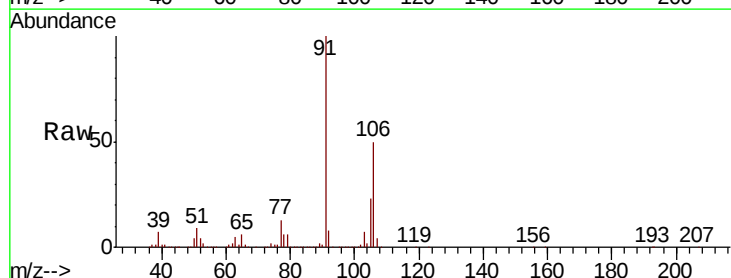
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

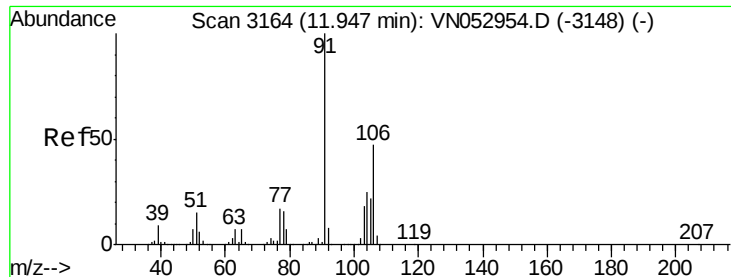
Tot Ion: 91 Resp: 2778246
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 99.035 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Tgt Ion: 106 Resp: 2119061
Ion Ratio Lower Upper
106 100
91 201.5 162.2 243.4

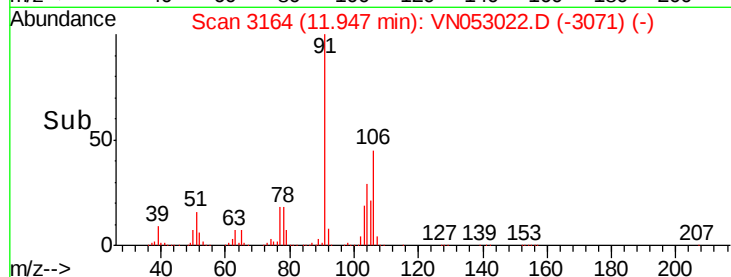
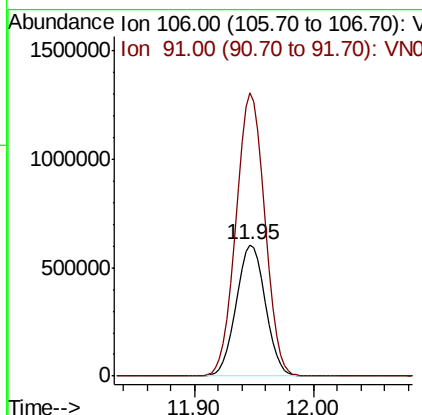
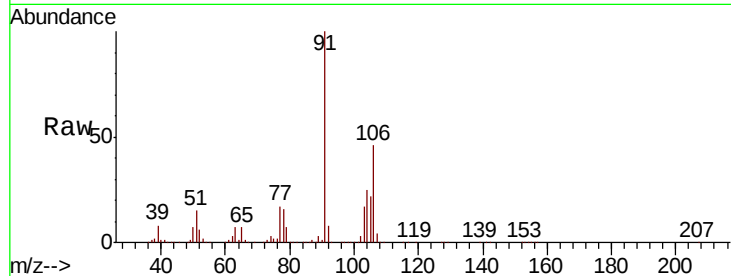




#69
o-Xylene
Concen: 49.940 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

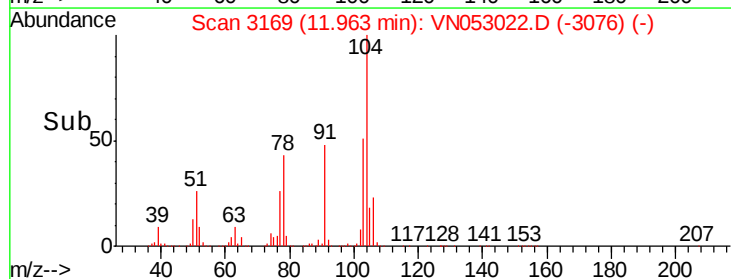
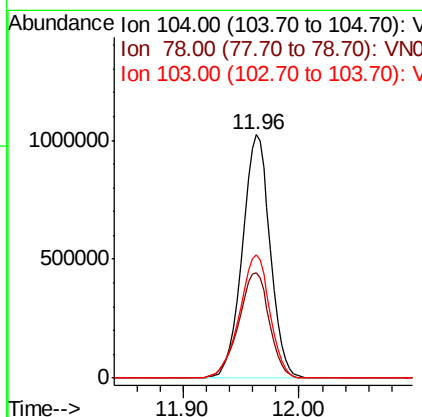
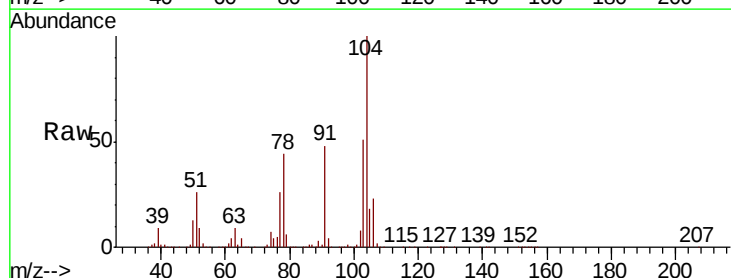
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

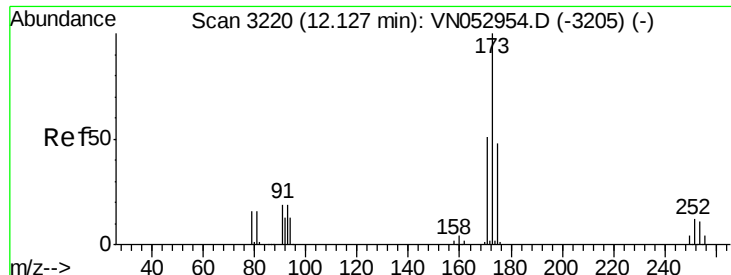
Tot Ion:106 Resp: 1025381
Ion Ratio Lower Upper
106 100
91 213.7 106.6 319.8



#70
Styrene
Concen: 50.861 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Tgt Ion:104 Resp: 1702844
Ion Ratio Lower Upper
104 100
78 48.0 38.9 58.3
103 55.1 44.3 66.5





#71

Bromoform

Concen: 47.476 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

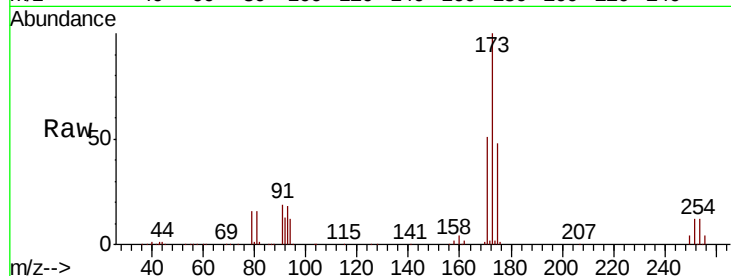
Tot Ion:173 Resp: 390353

Ion Ratio Lower Upper

173 100

175 48.6 24.3 72.9

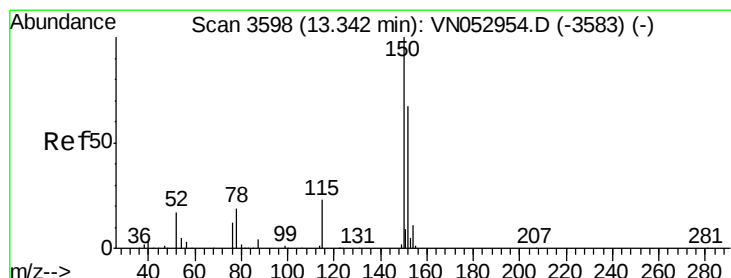
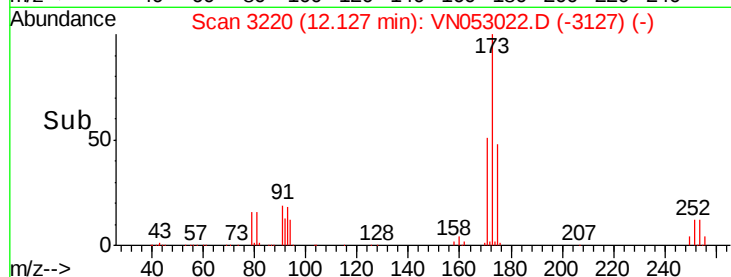
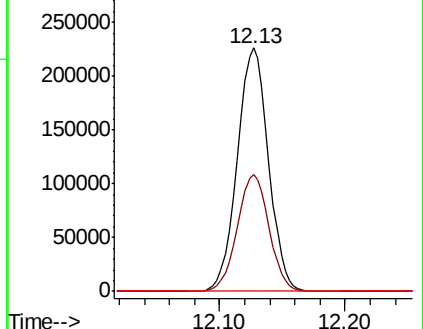
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

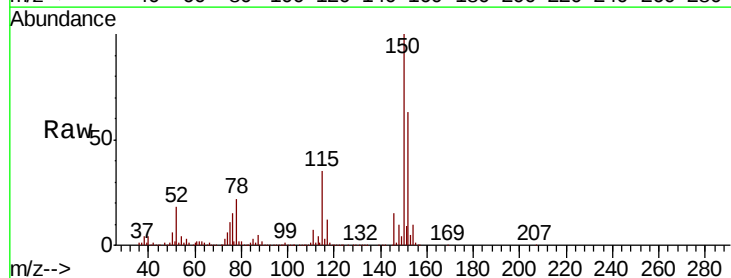
Tgt Ion:152 Resp: 695512

Ion Ratio Lower Upper

152 100

115 56.1 28.3 85.0

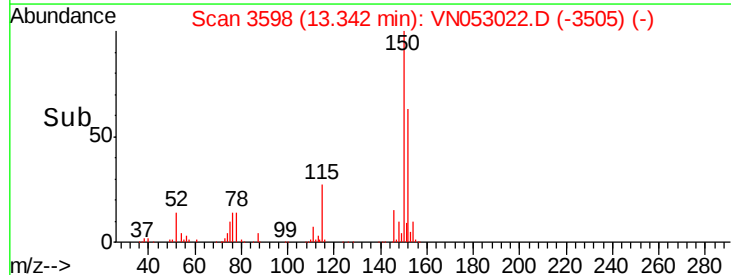
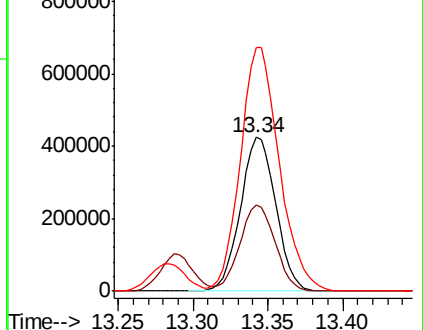
150 174.7 0.0 347.8



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

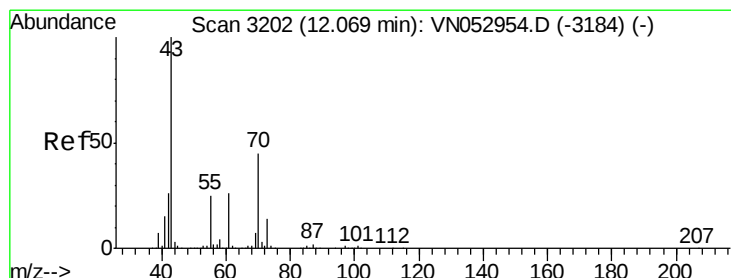
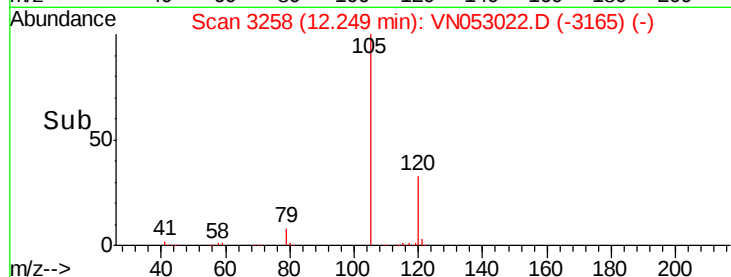
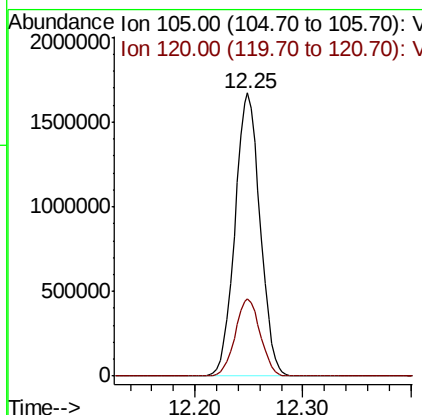
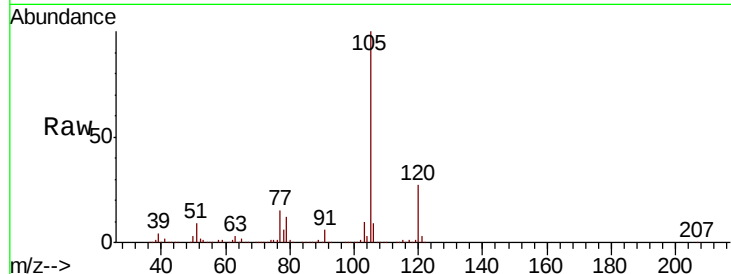




#73
Isopropylbenzene
Concen: 49.716 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

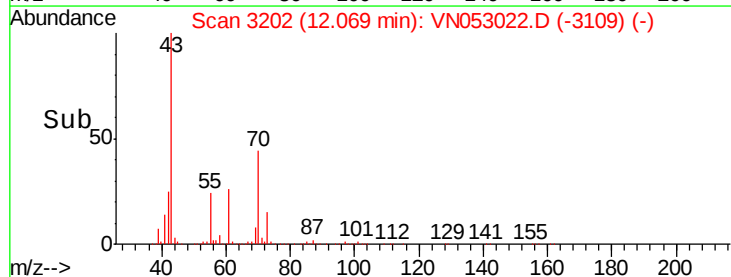
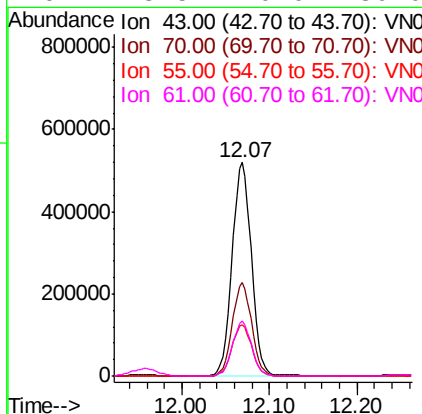
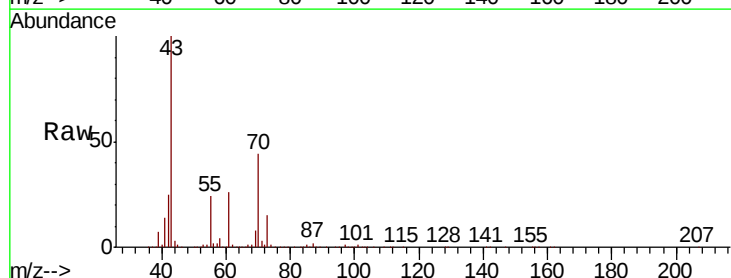
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

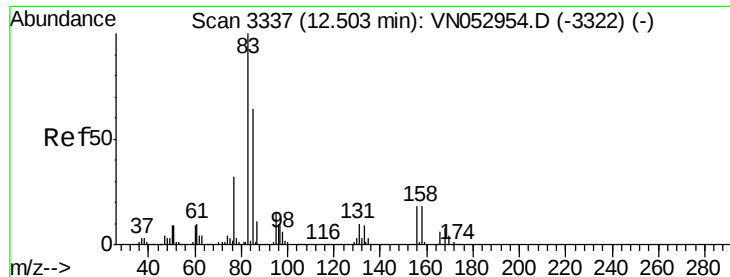
Tot Ion:105 Resp: 2705427
Ion Ratio Lower Upper
105 100
120 27.2 13.3 39.9



#74
N-ethyl acetate
Concen: 52.543 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Tgt Ion: 43 Resp: 793837
Ion Ratio Lower Upper
43 100
70 44.0 34.2 51.4
55 24.4 20.3 30.5
61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.711 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

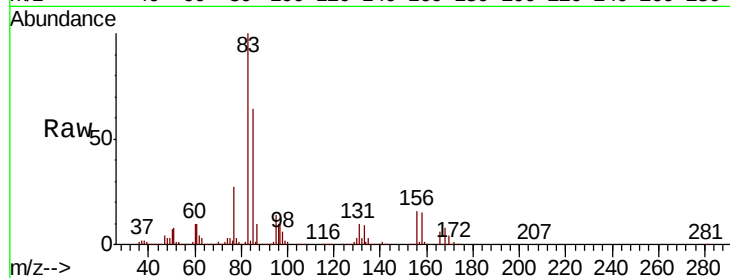
Tot Ion: 83 Resp: 562740

Ion Ratio Lower Upper

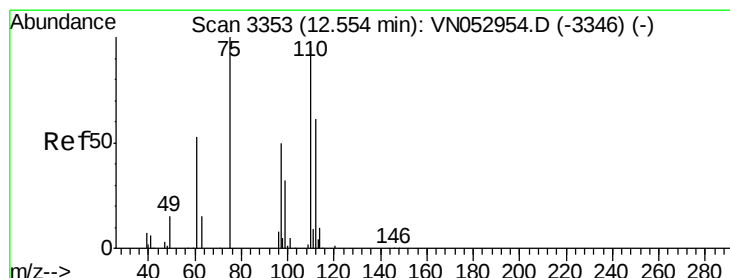
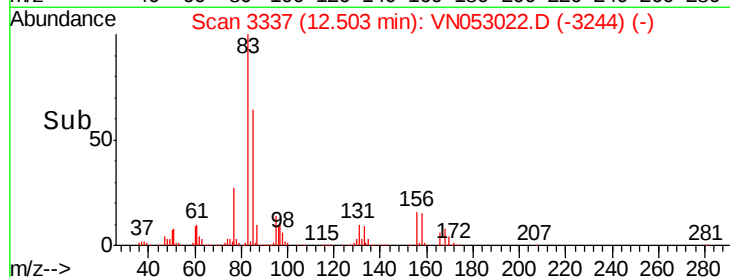
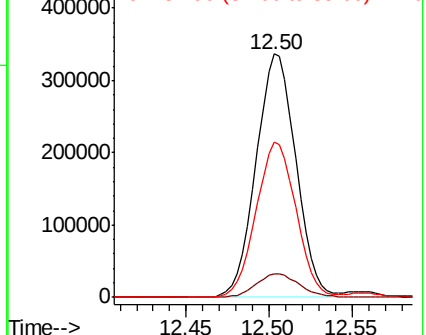
83 100

131 10.4 5.2 15.6

85 64.0 32.4 97.0



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



#76

1,2,3-Trichloropropane

Concen: 66.820 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053022.D

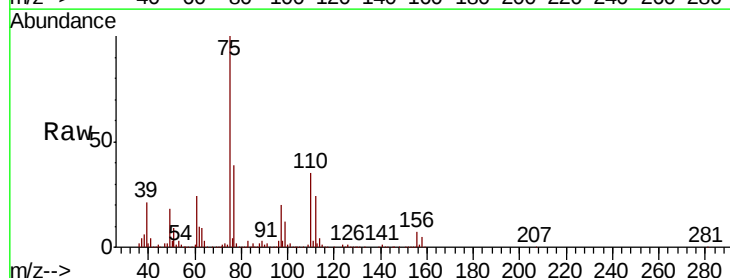
Acq: 19 Dec 2018 20:10

Tgt Ion: 75 Resp: 782340

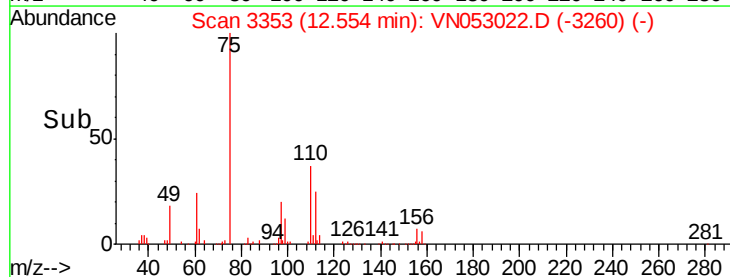
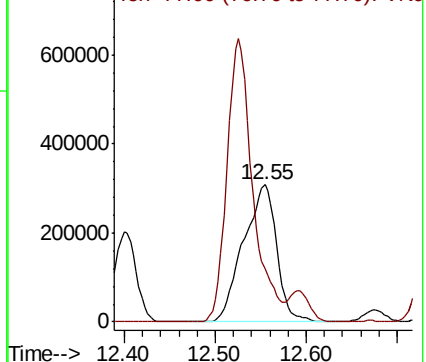
Ion Ratio Lower Upper

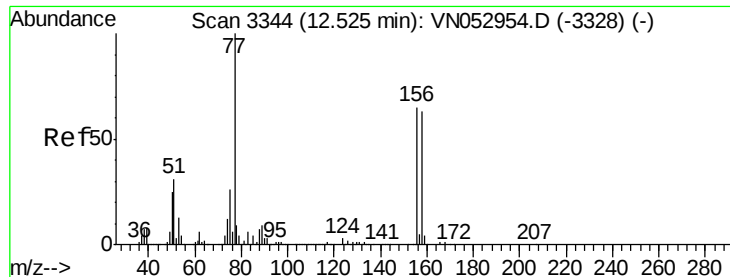
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 51.570 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

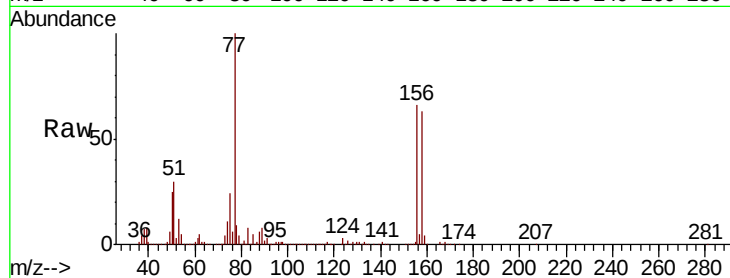
Tot Ion:156 Resp: 729482

Ion Ratio Lower Upper

156 100

77 171.4 91.3 273.8

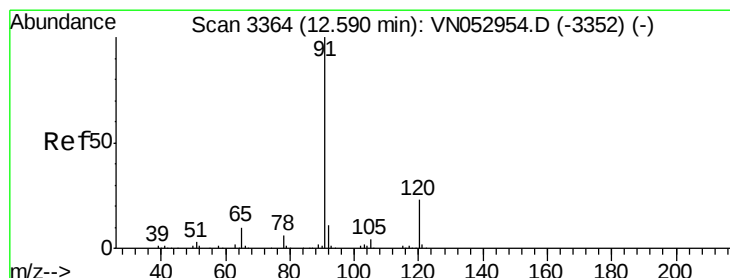
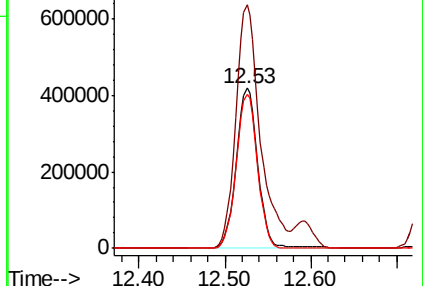
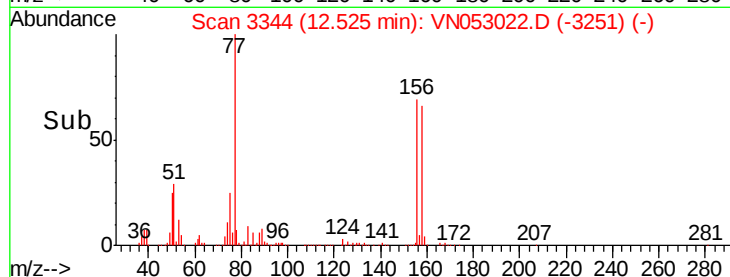
158 93.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.521 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053022.D

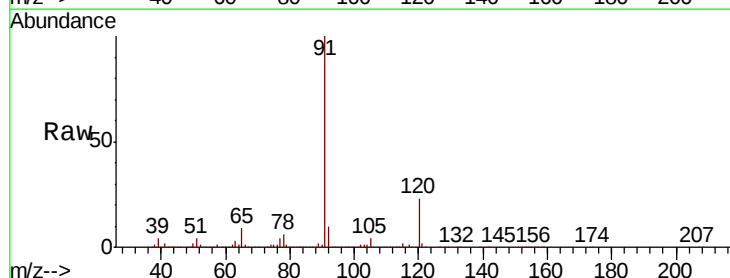
Acq: 19 Dec 2018 20:10

Tgt Ion: 91 Resp: 3069141

Ion Ratio Lower Upper

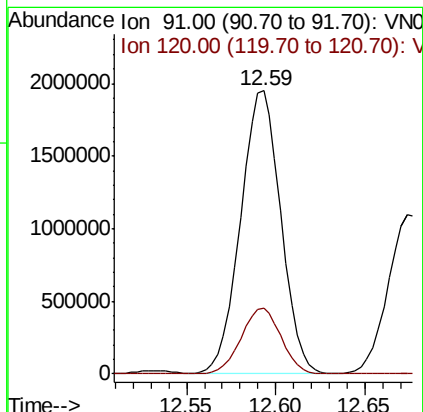
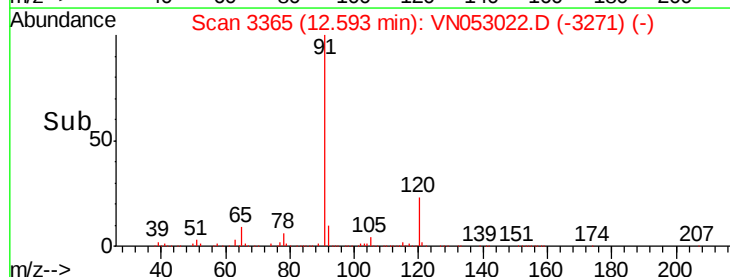
91 100

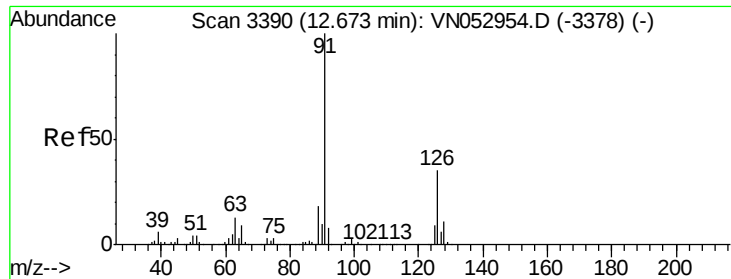
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.222 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

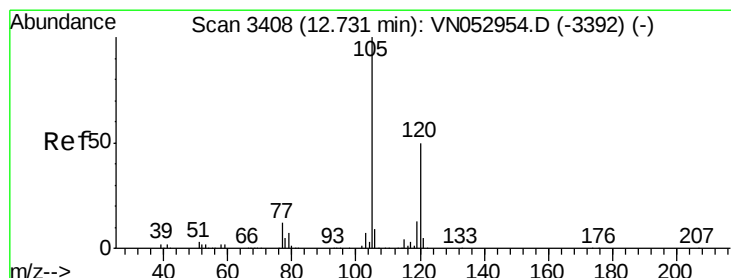
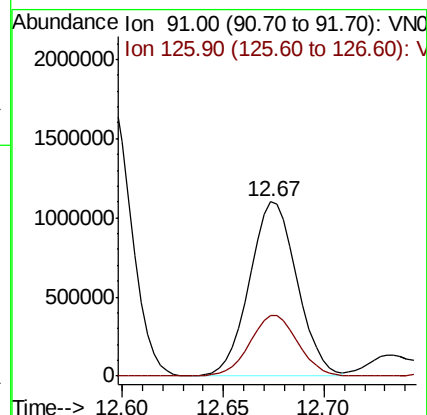
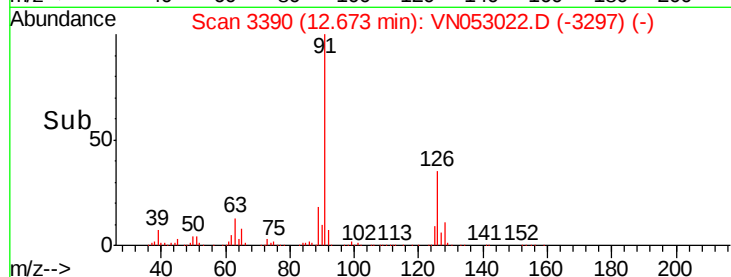
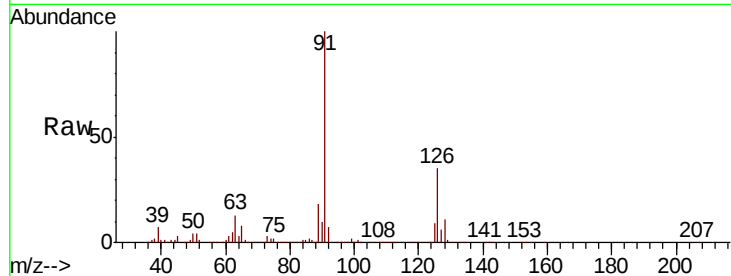
VSTDCCC050EC

Tot Ion: 91 Resp: 1814093

Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 48.683 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053022.D

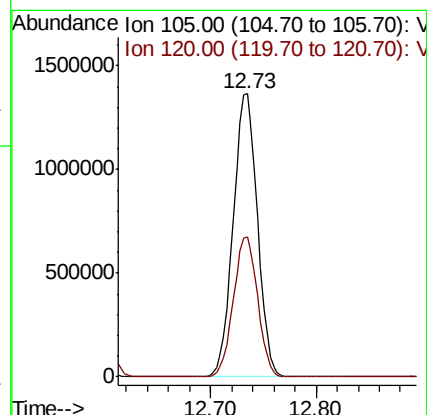
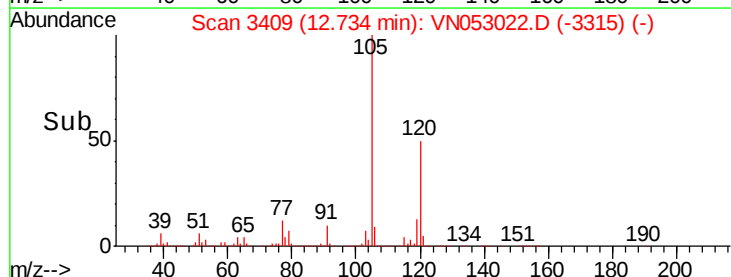
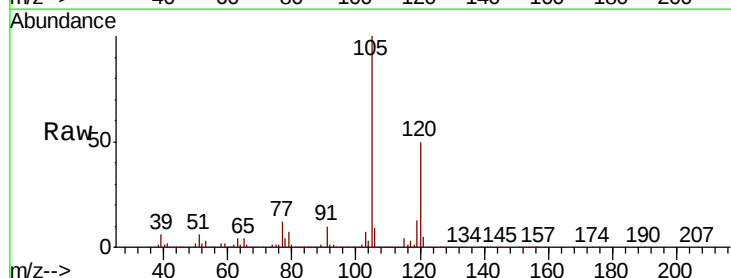
Acq: 19 Dec 2018 20:10

Tgt Ion: 105 Resp: 2159341

Ion Ratio Lower Upper

105 100

120 49.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 47.910 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

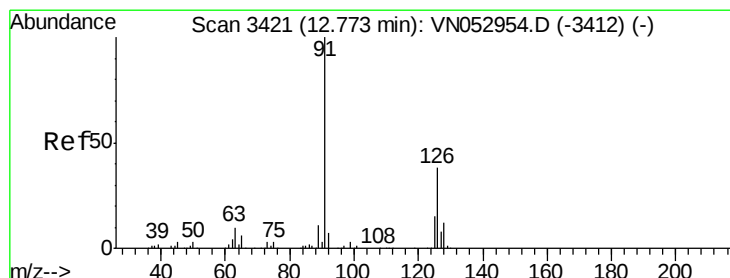
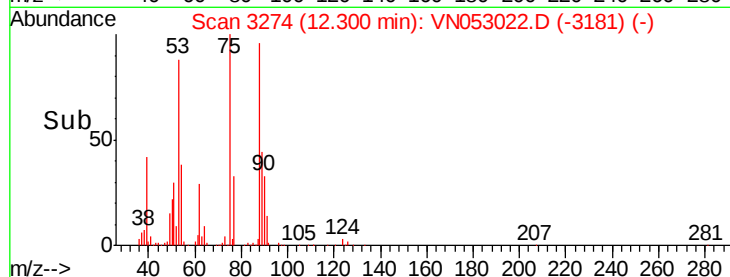
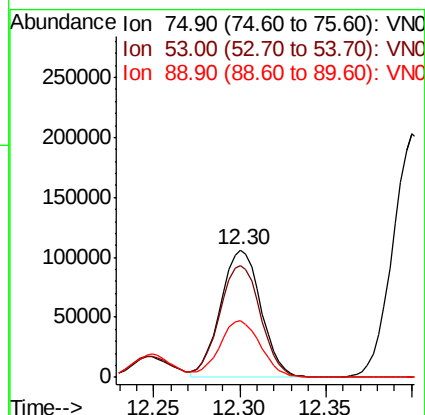
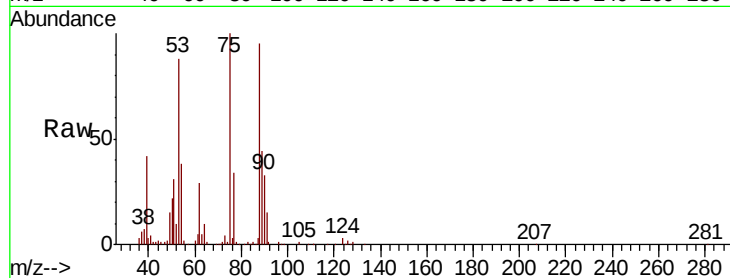
Tot Ion: 75 Resp: 174036

Ion Ratio Lower Upper

75 100

53 88.9 74.7 112.1

89 45.6 36.1 54.1



#82

4-Chlorotoluene

Concen: 49.315 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053022.D

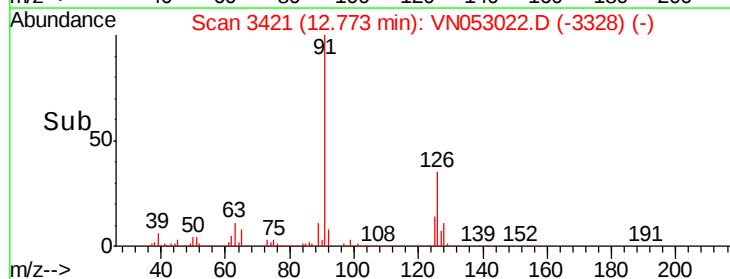
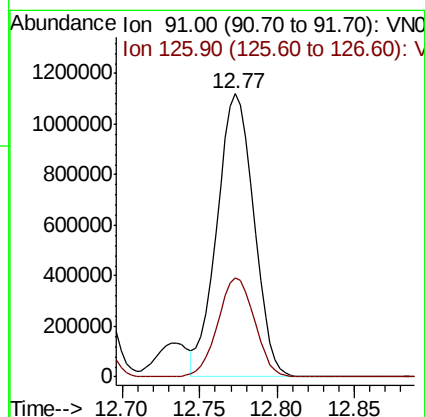
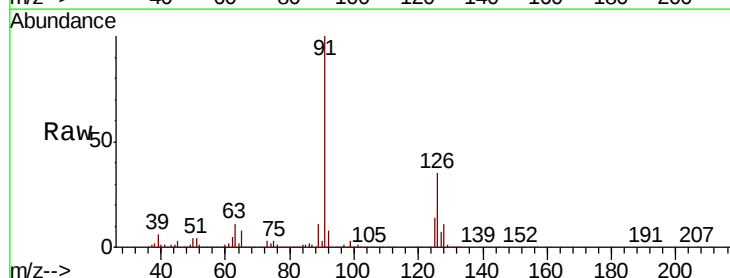
Acq: 19 Dec 2018 20:10

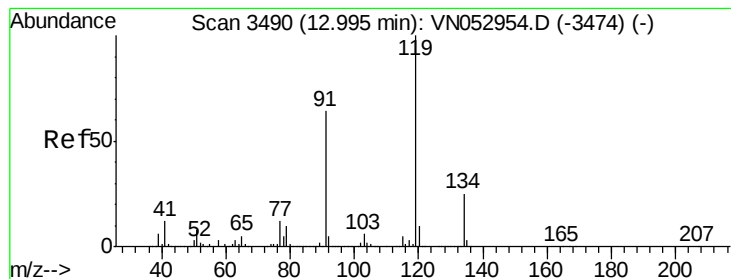
Tgt Ion: 91 Resp: 1854543

Ion Ratio Lower Upper

91 100

126 34.8 17.3 51.7





#83

tert-Butylbenzene

Concen: 48.428 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

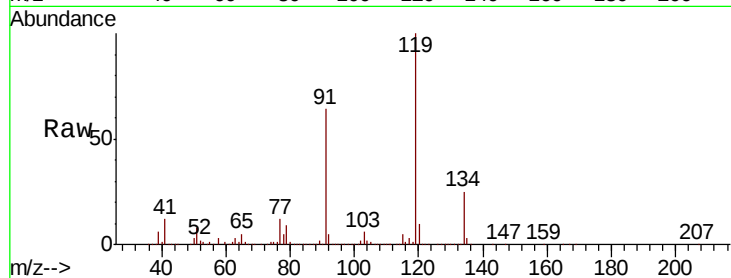
Tot Ion:119 Resp: 1899743

Ion Ratio Lower Upper

119 100

91 62.5 31.9 95.5

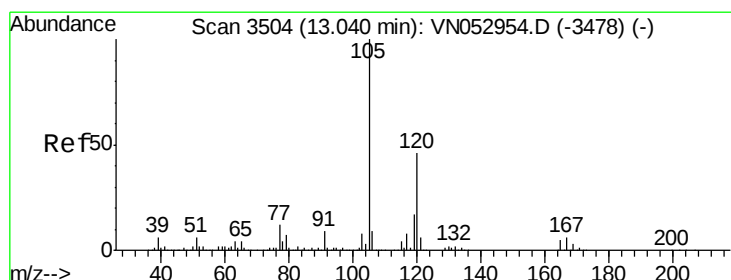
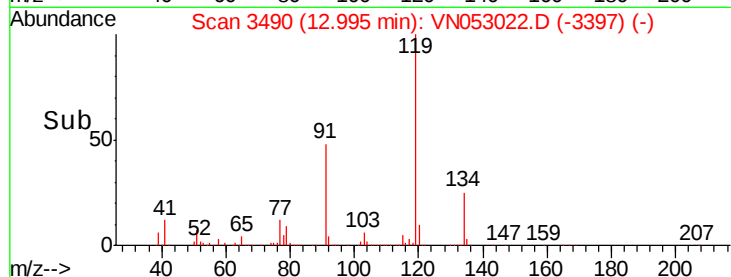
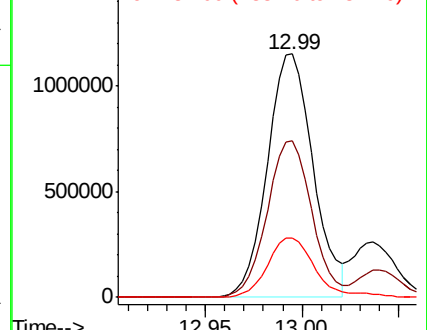
134 25.5 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.356 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053022.D

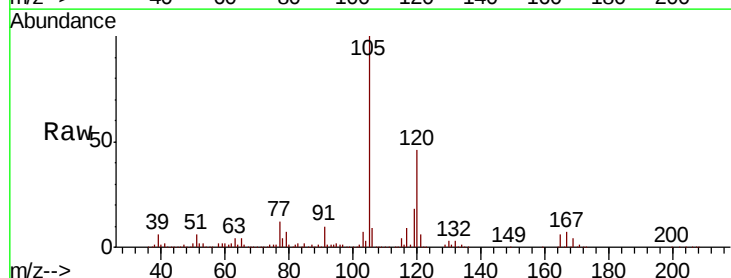
Acq: 19 Dec 2018 20:10

Tgt Ion:105 Resp: 2200753

Ion Ratio Lower Upper

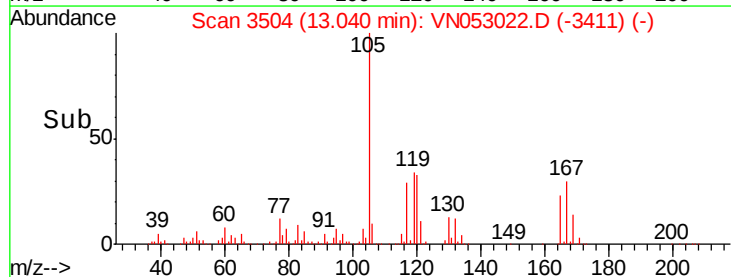
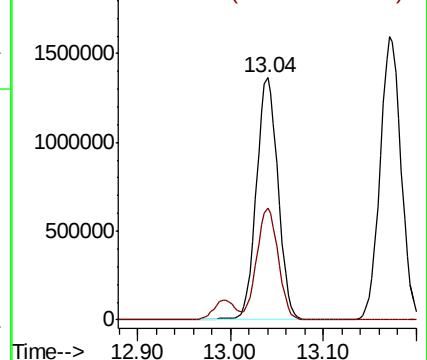
105 100

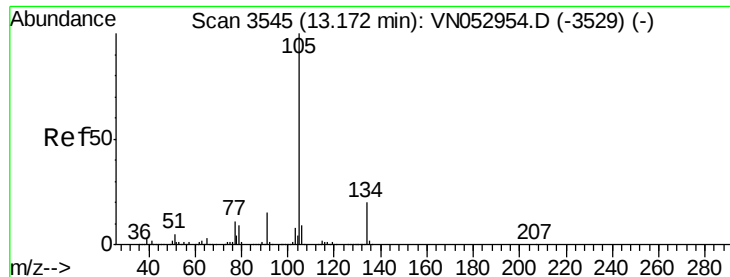
120 45.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.144 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

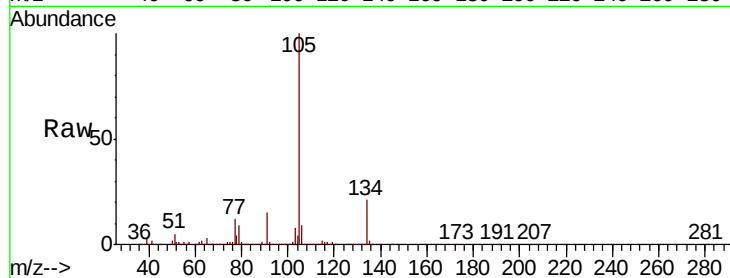
VSTDCCC050EC

Tot Ion:105 Resp: 2501426

Ion Ratio Lower Upper

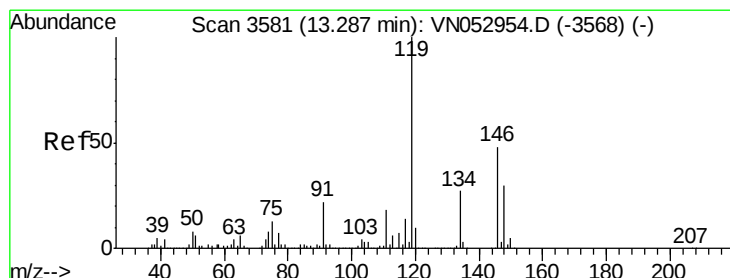
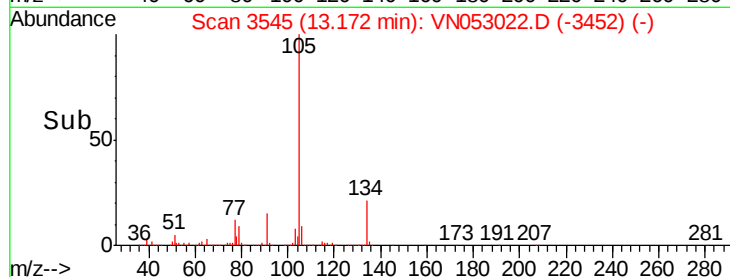
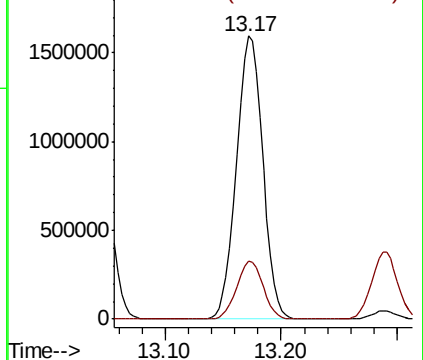
105 100

134 20.6 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.590 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

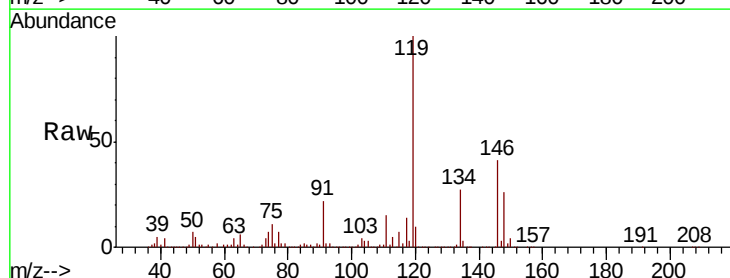
Tgt Ion:119 Resp: 2181920

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

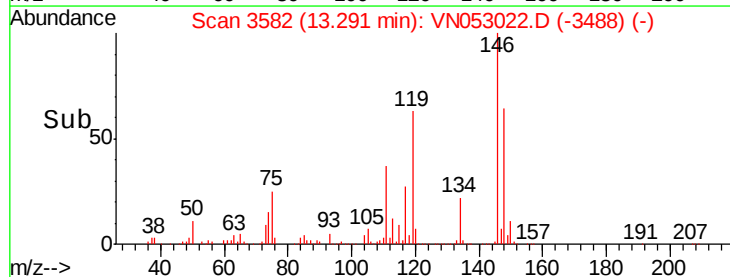
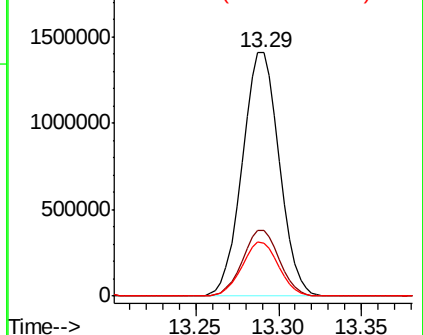
91 21.9 11.1 33.3

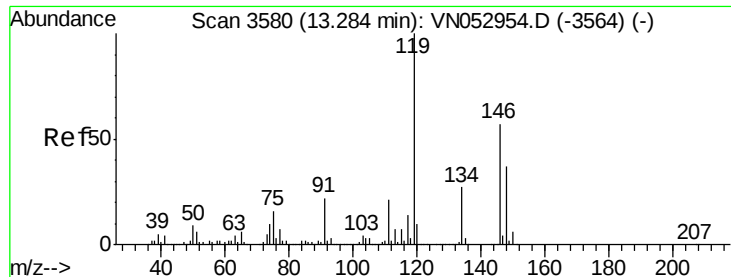


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

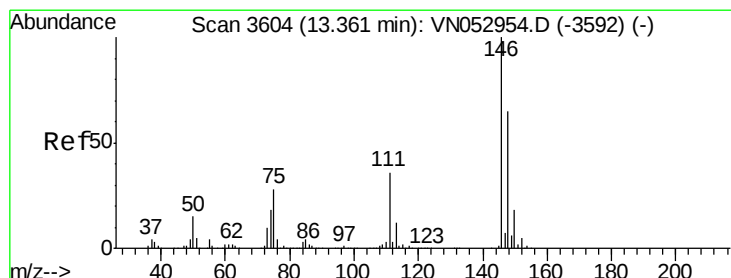
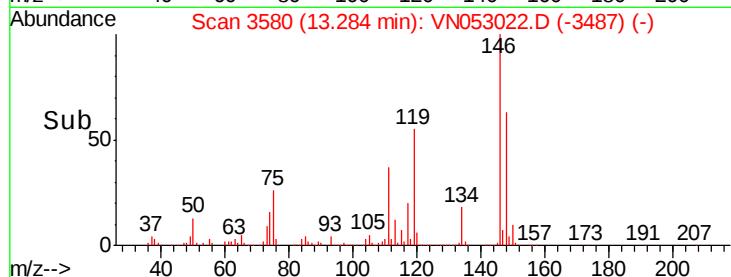
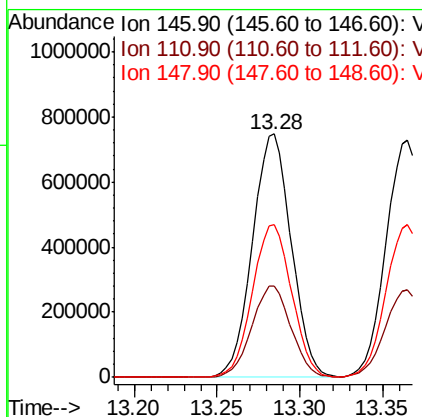
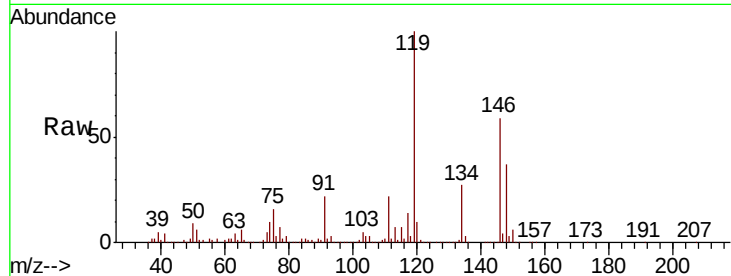




#87
 1,3-Dichlorobenzene
 Concen: 48.658 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

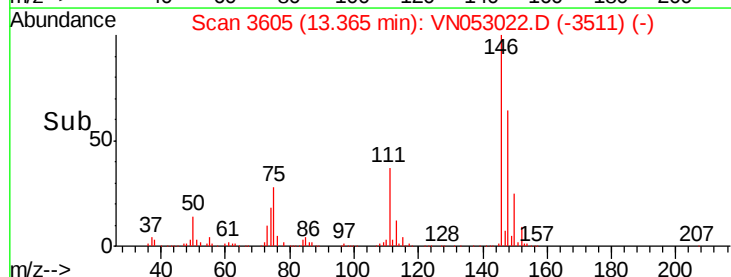
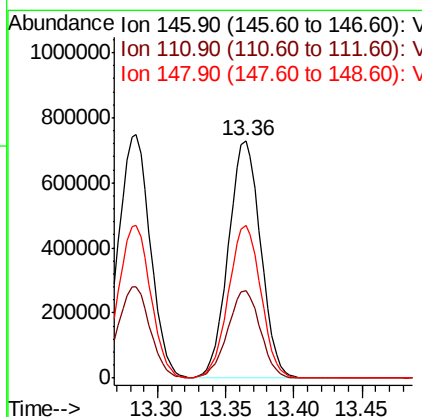
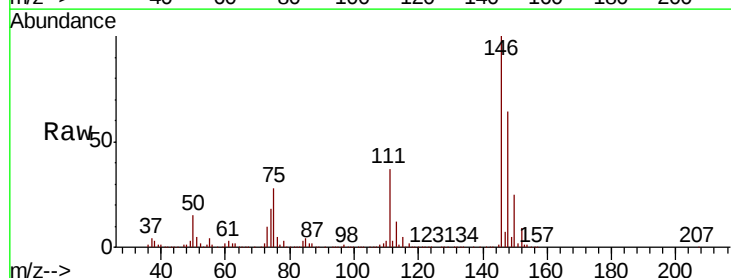
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

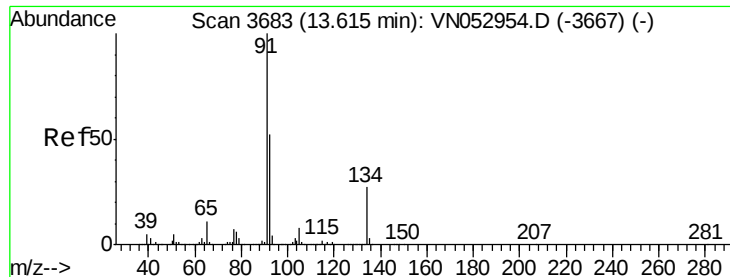
Tot Ion:146 Resp: 1218207
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.1
 148 63.4 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 47.312 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

Tgt Ion:146 Resp: 1199537
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 64.6 32.1 96.5





#89

n-Butylbenzene

Concen: 45.832 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

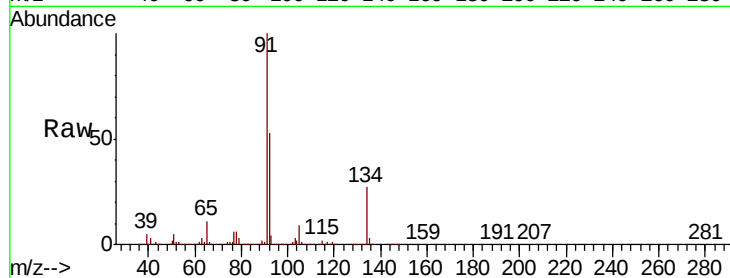
Tot Ion: 91 Resp: 1807788

Ion Ratio Lower Upper

91 100

92 52.6 26.3 78.9

134 26.8 13.3 39.8

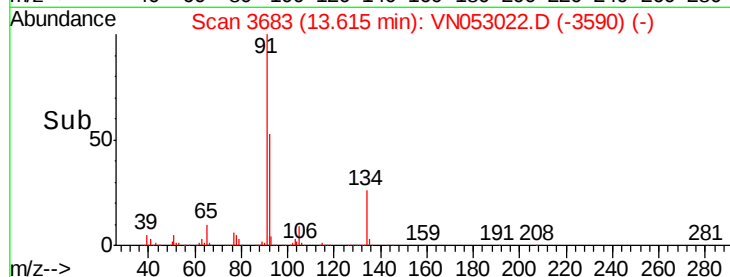


Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)

Time-->

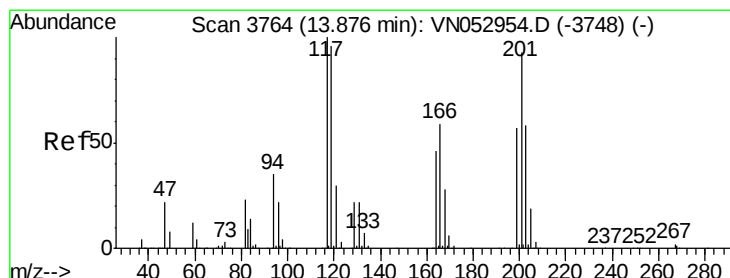


Abundance Ion 91.00 (90.70 to 91.70): VN053022.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053022.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053022.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 46.652 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053022.D

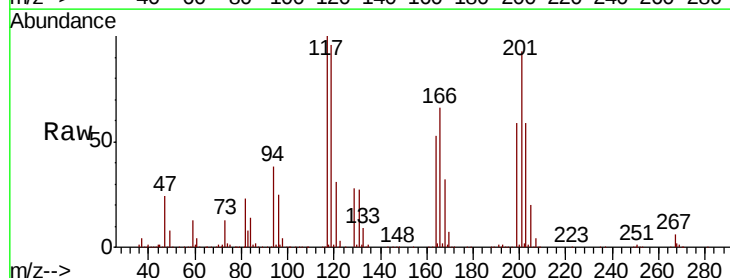
Acq: 19 Dec 2018 20:10

Tgt Ion: 117 Resp: 328232

Ion Ratio Lower Upper

117 100

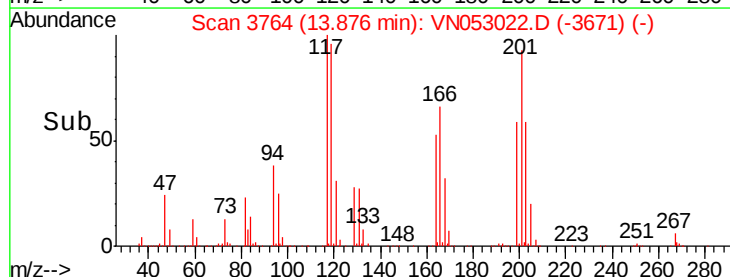
201 92.4 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)

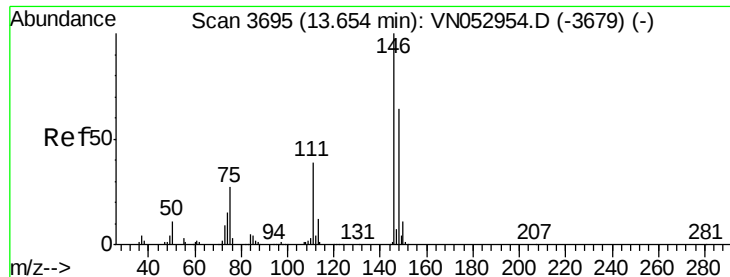
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN053022.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053022.D (-3671) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 48.617 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

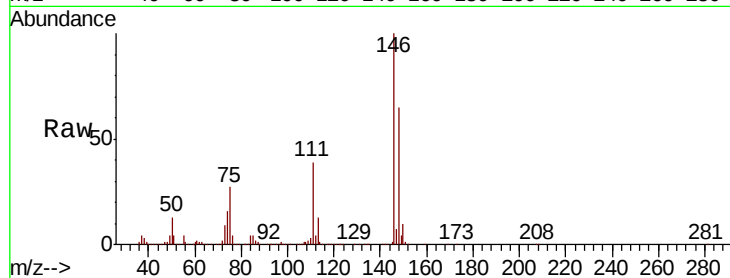
Tot Ion:146 Resp: 1145524

Ion Ratio Lower Upper

146 100

111 39.3 19.7 59.0

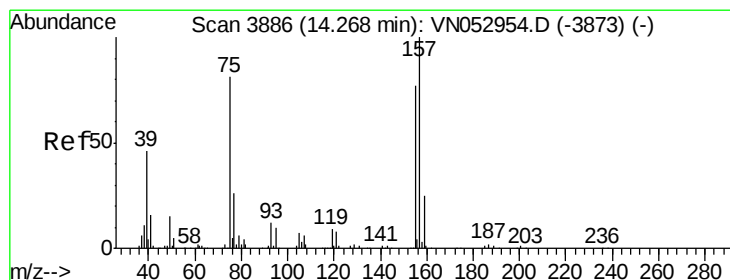
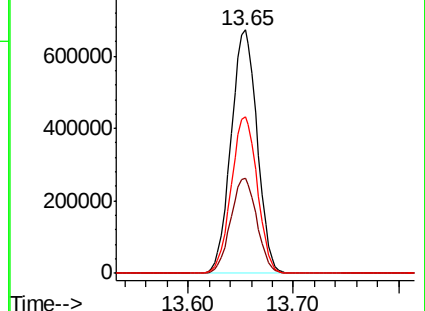
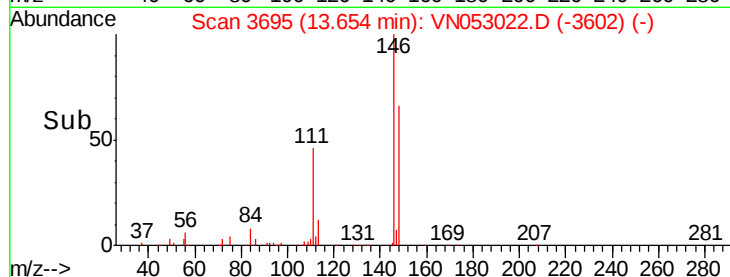
148 64.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.121 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053022.D

Acq: 19 Dec 2018 20:10

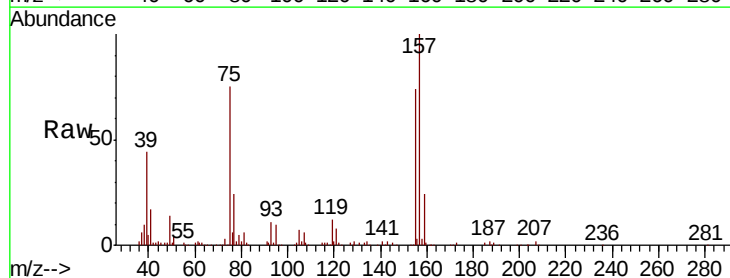
Tgt Ion: 75 Resp: 86983

Ion Ratio Lower Upper

75 100

155 95.9 48.2 144.6

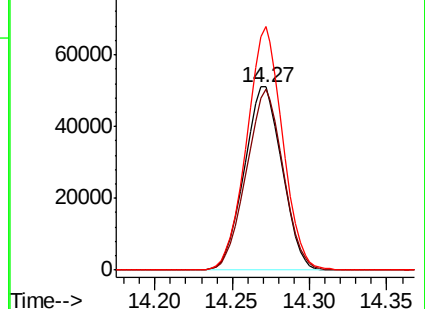
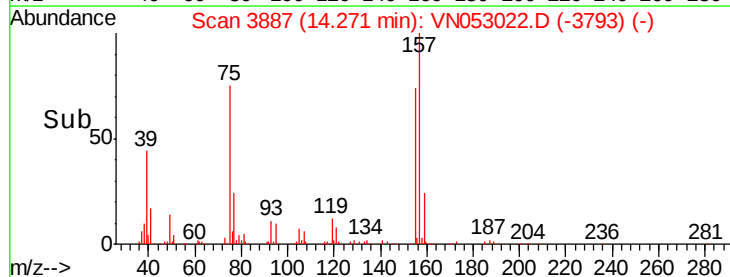
157 125.9 61.2 183.5

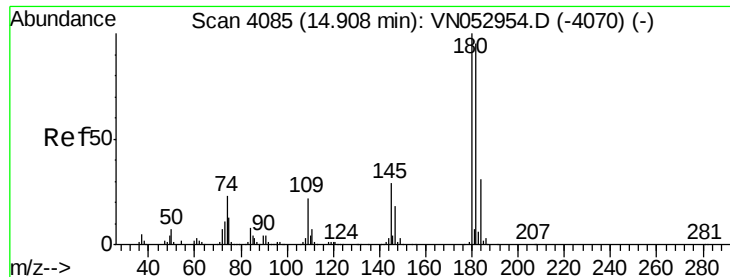


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

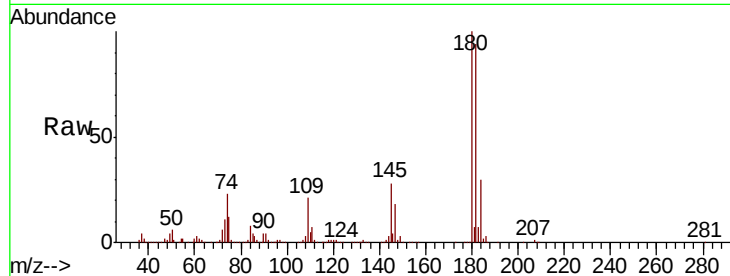




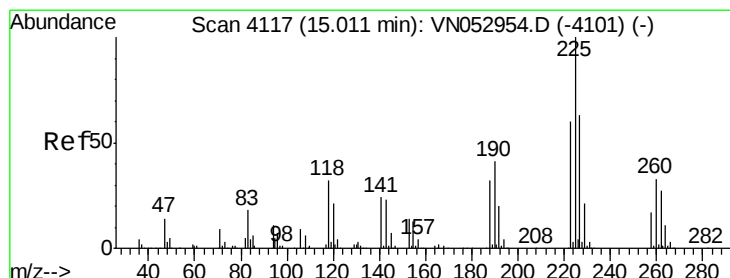
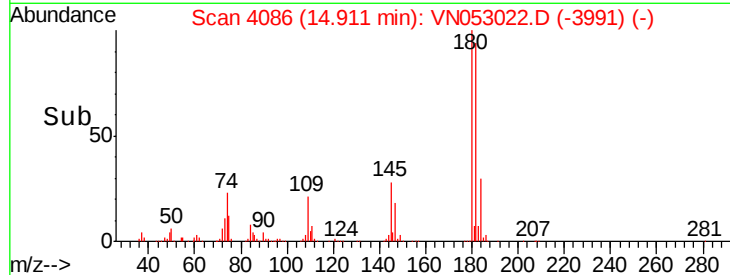
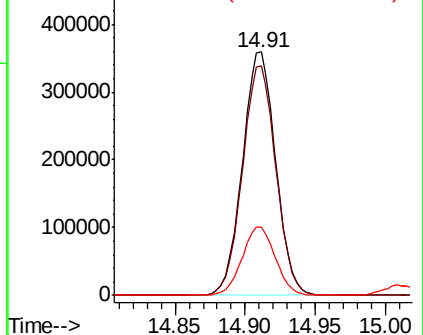
#93
 1,2,4-Trichlorobenzene
 Concen: 47.442 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 591853
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.8 143.3
 145 28.0 14.2 42.6

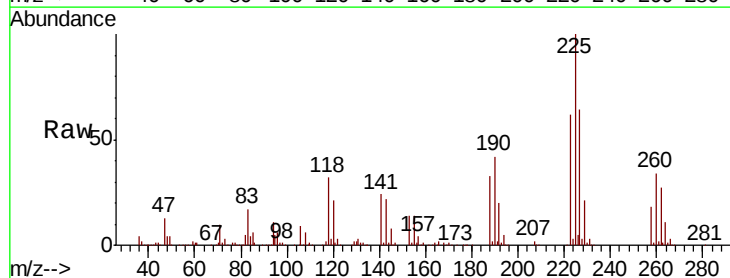


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

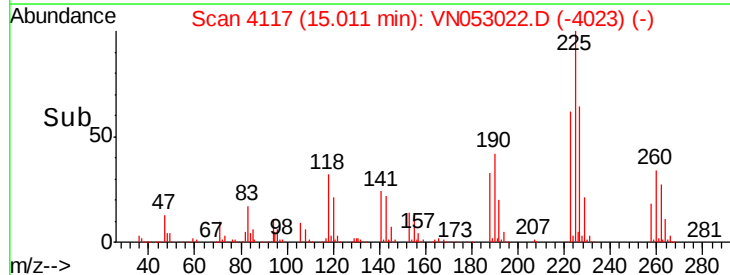
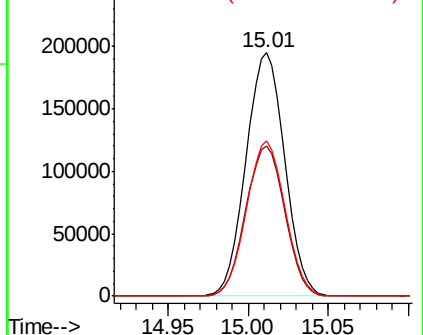


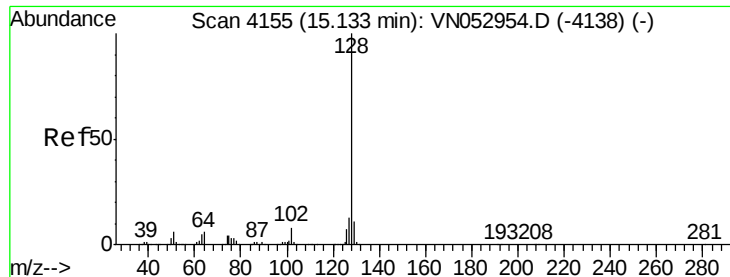
#94
 Hexachlorobutadiene
 Concen: 49.958 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053022.D
 Acq: 19 Dec 2018 20:10

Tgt Ion:225 Resp: 322923
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.5 94.5
 227 63.4 31.9 95.7



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

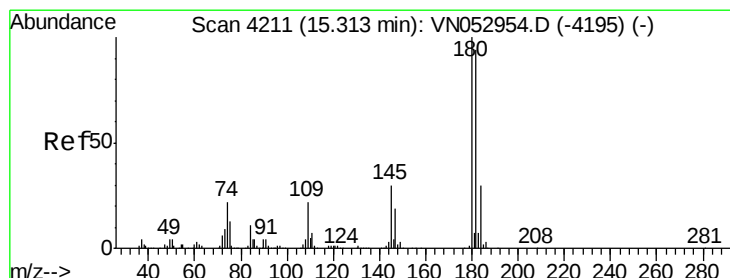
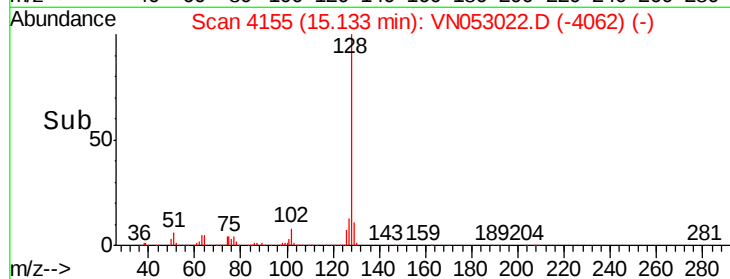
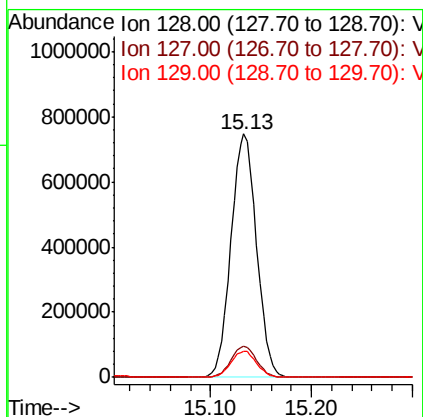
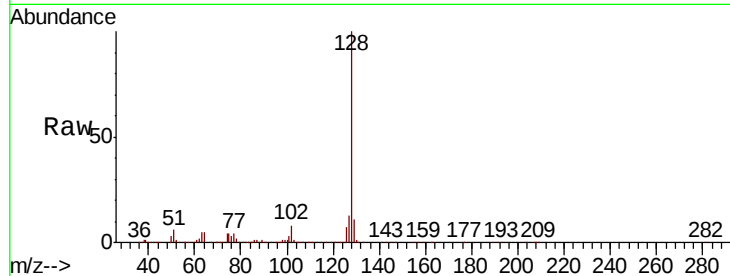




#95
Naphthalene
Concen: 48.170 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1316087
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.430 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053022.D
Acq: 19 Dec 2018 20:10

Tgt Ion:180 Resp: 532884
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.7
145 29.8 15.0 45.0

