

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058540.D
 Acq On : 4 Oct 2019 15:03
 Operator : JC/SP
 Sample : VN1004WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:38:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	388254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	659861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	588032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	279676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	279157	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.57	113	198775	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	10.08	98	771830	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.41	95	281230	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	86050	20.213	ug/l	96
3) Chloromethane	2.04	50	109344	23.363	ug/l	100
4) Vinyl Chloride	2.17	62	93995	20.501	ug/l	96
5) Bromomethane	2.55	94	48869	20.067	ug/l	96
6) Chloroethane	2.68	64	62619	22.794	ug/l	99
7) Trichlorofluoromethane	3.00	101	119659	21.627	ug/l	97
8) Diethyl Ether	3.39	74	50261	21.054	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	77002	20.493	ug/l	99
10) Methyl Iodide	3.93	142	64785	15.549	ug/l	99
11) Tert butyl alcohol	4.75	59	80562	127.815	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	74259	20.275	ug/l	98
13) Acrolein	3.58	56	21616	107.824	ug/l	98
14) Allyl chloride	4.30	41	140383	21.062	ug/l	98
15) Acrylonitrile	4.96	53	209814	114.217	ug/l	99
16) Acetone	3.79	43	186073	96.206	ug/l	98
17) Carbon Disulfide	4.03	76	188310	19.505	ug/l	99
18) Methyl Acetate	4.30	43	108194	22.241	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	278995	21.589	ug/l	100
20) Methylene Chloride	4.53	84	89740	20.106	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	80371	19.733	ug/l	98
22) Diisopropyl ether	5.93	45	301986	21.054	ug/l	96
23) Vinyl Acetate	5.87	43	1235112	114.204	ug/l	99
24) 1,1-Dichloroethane	5.82	63	174039	21.560	ug/l	99
25) 2-Butanone	6.81	43	283095	106.608	ug/l	99
26) 2,2-Dichloropropane	6.80	77	135713	20.450	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	99391	20.880	ug/l	99
28) Bromochloromethane	7.18	49	70393	21.816	ug/l	99
29) Tetrahydrofuran	7.19	42	189860	112.649	ug/l	100
30) Chloroform	7.35	83	170736	20.872	ug/l	97
31) Cyclohexane	7.64	56	153939	19.605	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	144783	21.554	ug/l	98
36) 1,1-Dichloropropene	7.78	75	127514	20.210	ug/l	99
37) Ethyl Acetate	6.91	43	125343	23.431	ug/l	99
38) Carbon Tetrachloride	7.75	117	120563	21.169	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	140083	19.012	ug/l	98
40) Benzene	8.03	78	373144	20.574	ug/l	100
41) Methacrylonitrile	7.15	41	54118	21.990	ug/l	97
42) 1,2-Dichloroethane	8.11	62	144819	20.524	ug/l	100
43) Isopropyl Acetate	8.15	43	212002	21.075	ug/l #	91
44) Trichloroethene	8.82	130	92868	20.737	ug/l	100
45) 1,2-Dichloropropane	9.11	63	102796	21.133	ug/l	97
46) Dibromomethane	9.20	93	64598	20.971	ug/l	98
47) Bromodichloromethane	9.39	83	124105	21.264	ug/l	97
48) Methyl methacrylate	9.19	41	97983	21.391	ug/l	98
49) 1,4-Dioxane	9.19	88	31771	518.730	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	610574	118.164	ug/l	98
52) Toluene	10.15	92	226160	19.811	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	138075	21.736	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	151071	21.424	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	93941	22.600	ug/l	97
56) Ethyl methacrylate	10.43	69	136799	21.689	ug/l	99
57) 1,3-Dichloropropane	10.71	76	158429	21.368	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	339039	134.805	ug/l	98
59) 2-Hexanone	10.75	43	439405	116.786	ug/l	99
60) Dibromochloromethane	10.90	129	88183	20.157	ug/l	99
61) 1,2-Dibromoethane	11.00	107	90163	21.229	ug/l	98
64) Tetrachloroethene	10.63	164	80791	21.625	ug/l	97
65) Chlorobenzene	11.44	112	242092	20.712	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	87851	22.307	ug/l	99
67) Ethyl Benzene	11.51	91	445546	21.044	ug/l	100
68) m/p-Xylenes	11.62	106	325202	40.826	ug/l	99
69) o-Xylene	11.95	106	154854	20.195	ug/l	95
70) Styrene	11.97	104	260205	20.888	ug/l	99
71) Bromoform	12.13	173	52216	19.614	ug/l #	100
73) Isopropylbenzene	12.25	105	426782	20.649	ug/l	99
74) N-amyl acetate	12.07	43	183031	22.259	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	132712	21.714	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	171213	33.517	ug/l #	100
77) Bromobenzene	12.53	156	99157	20.460	ug/l	95
78) n-propylbenzene	12.60	91	500435	21.491	ug/l	100
79) 2-Chlorotoluene	12.68	91	295706	20.574	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	359964	20.805	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	35719	21.237	ug/l	99
82) 4-Chlorotoluene	12.78	91	301830	20.580	ug/l	98
83) tert-Butylbenzene	13.00	119	302757	20.737	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	357078	20.599	ug/l	98
85) sec-Butylbenzene	13.18	105	411913	21.436	ug/l	99
86) p-Isopropyltoluene	13.30	119	365526	21.610	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	179256	20.398	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	177050	20.250	ug/l	98
89) n-Butylbenzene	13.62	91	335951	21.926	ug/l	100
90) Hexachloroethane	13.88	117	56154	22.096	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	179784	21.292	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25786	23.925	ug/l	95

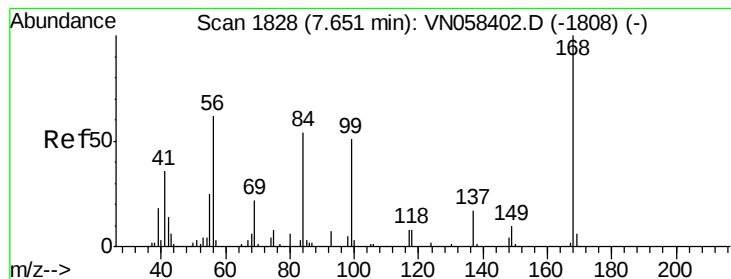
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	102665	22.003	ug/l	98
94) Hexachlorobutadiene	15.02	225	53564	22.335	ug/l	99
95) Naphthalene	15.13	128	298992	21.865	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	100449	21.459	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

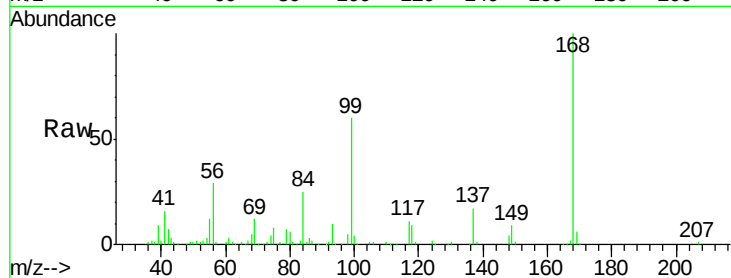
ClientSampleId :

Tot Ion:168 Resp: 388254

Ion Ratio Lower Upper

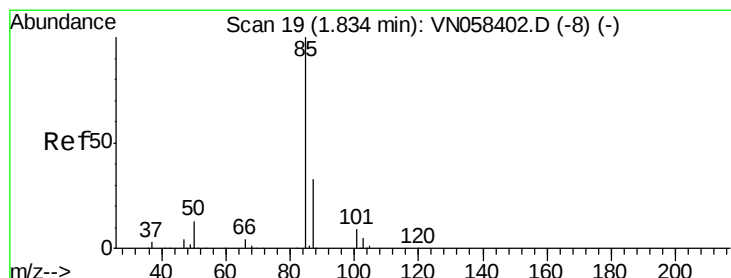
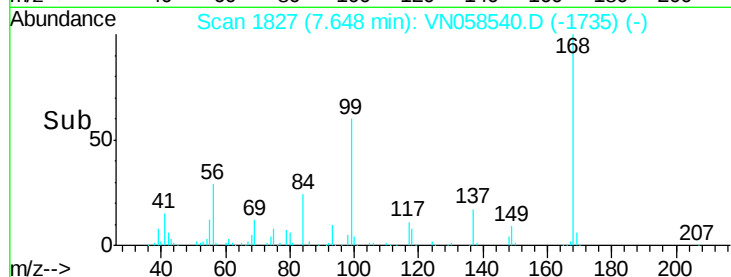
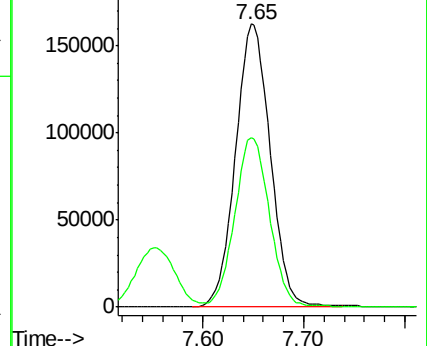
168 100

99 59.8 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.213 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058540.D

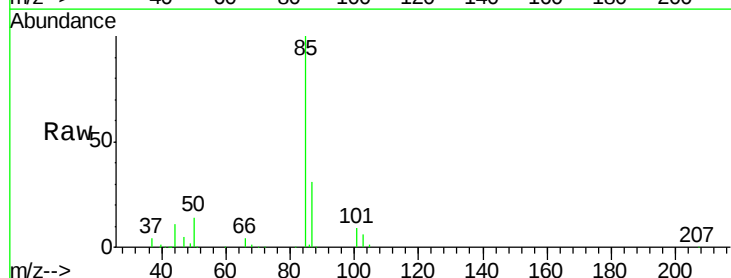
Acq: 4 Oct 2019 15:03

Tgt Ion: 85 Resp: 86050

Ion Ratio Lower Upper

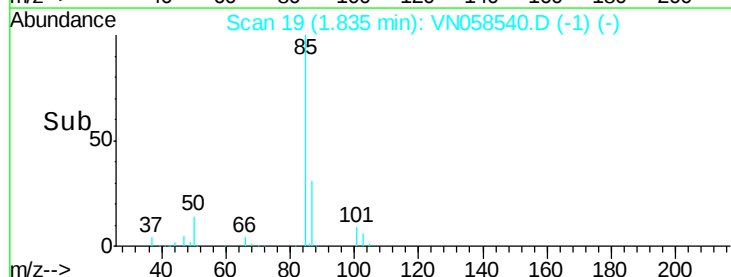
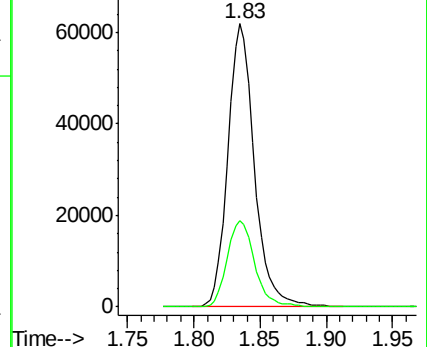
85 100

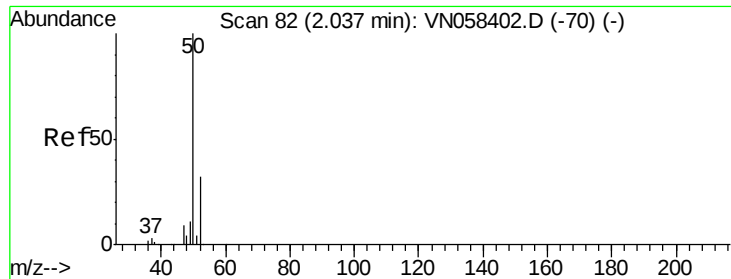
87 30.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 23.363 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

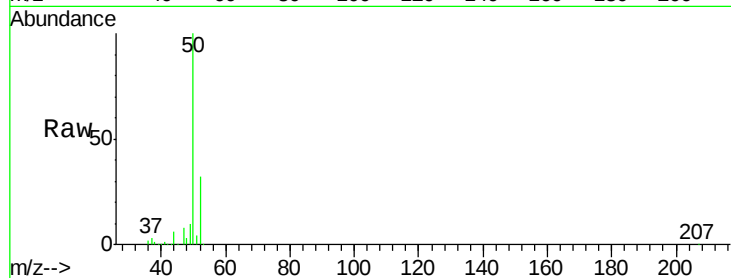
ClientSampleId :

Tot Ion: 50 Resp: 109344

Ion Ratio Lower Upper

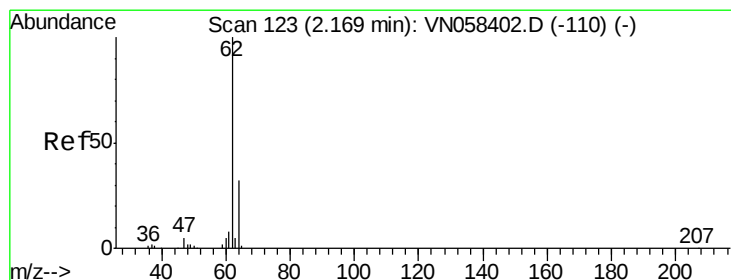
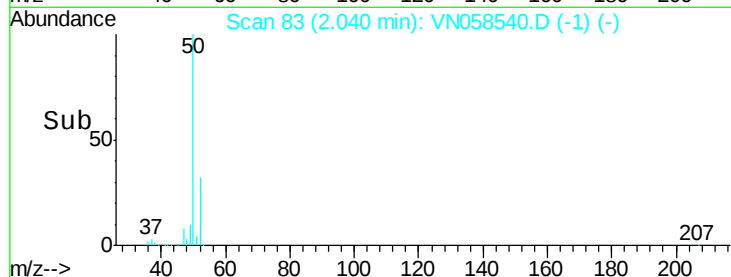
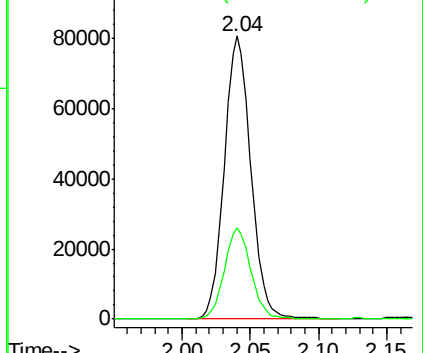
50 100

52 32.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.501 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058540.D

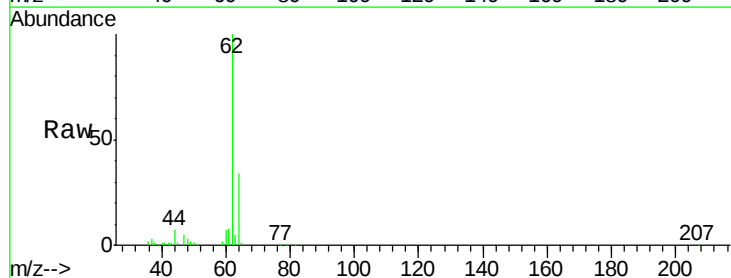
Acq: 4 Oct 2019 15:03

Tgt Ion: 62 Resp: 93995

Ion Ratio Lower Upper

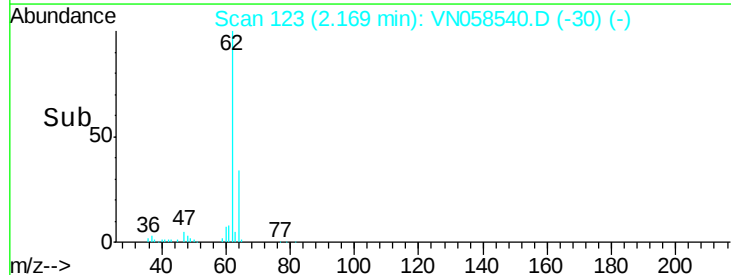
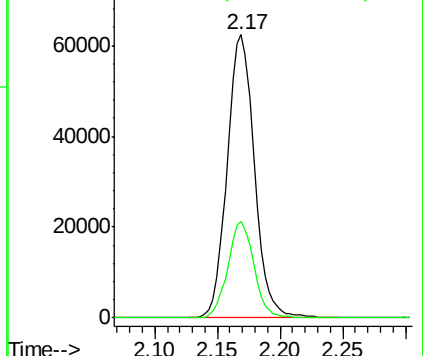
62 100

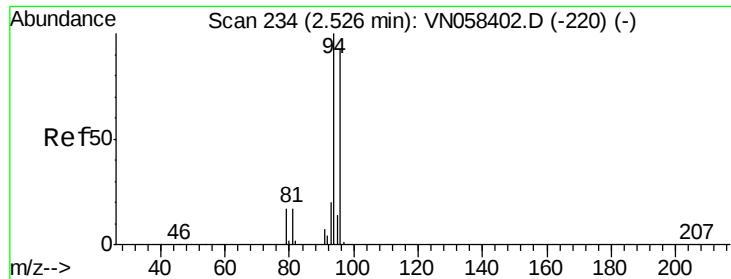
64 34.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 20.067 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

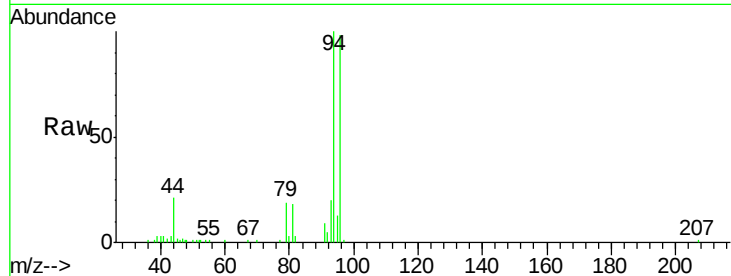
ClientSampled :

Tot Ion: 94 Resp: 48869

Ion Ratio Lower Upper

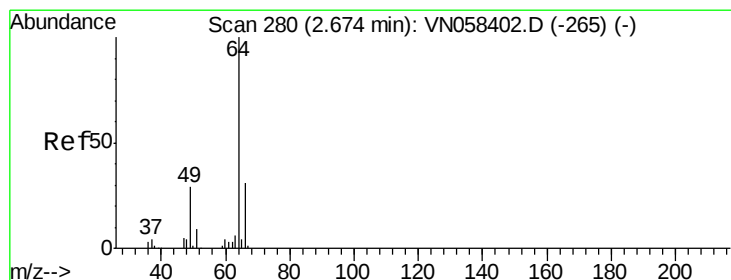
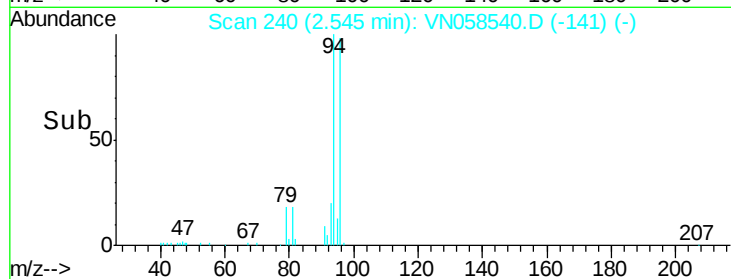
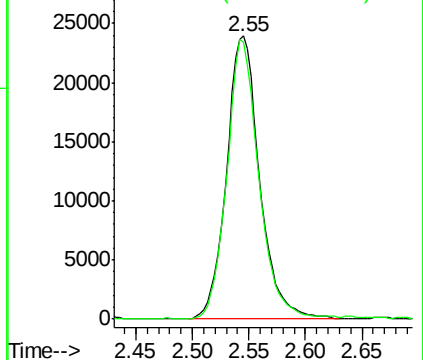
94 100

96 97.7 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 22.794 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058540.D

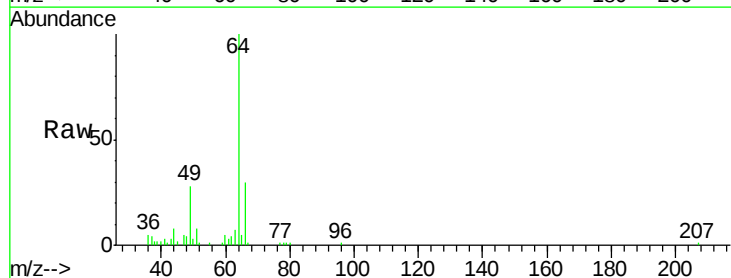
Acq: 4 Oct 2019 15:03

Tgt Ion: 64 Resp: 62619

Ion Ratio Lower Upper

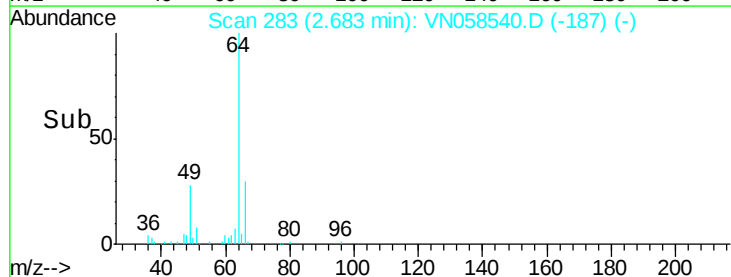
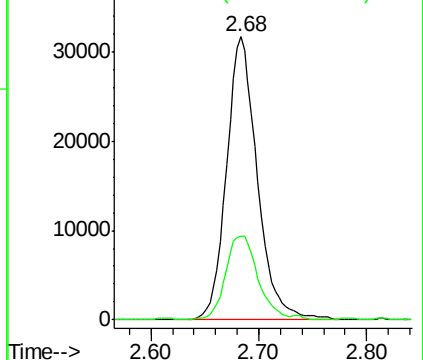
64 100

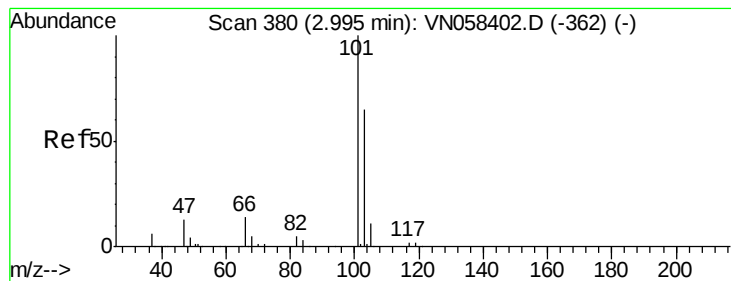
66 29.7 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



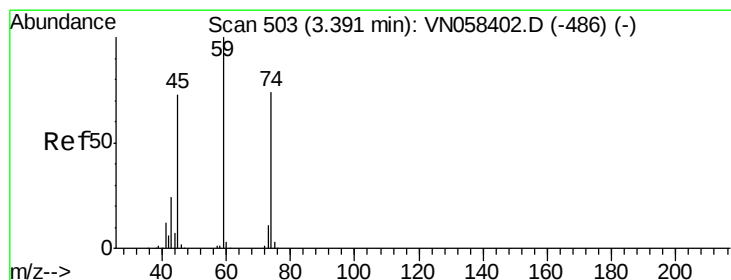
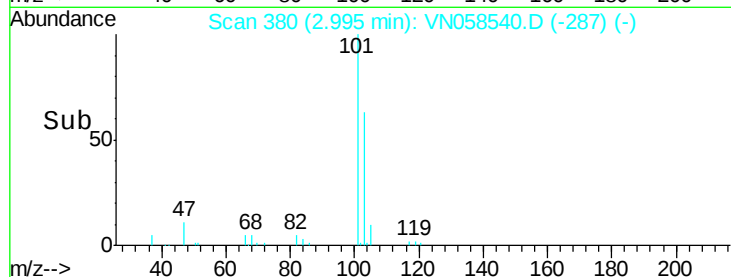
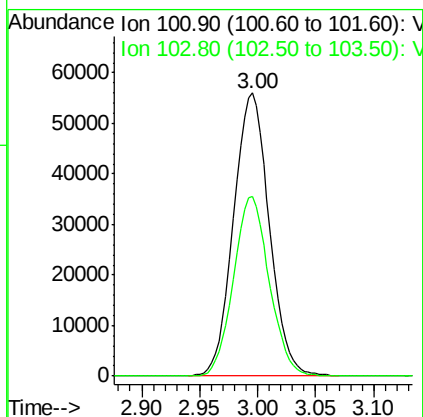
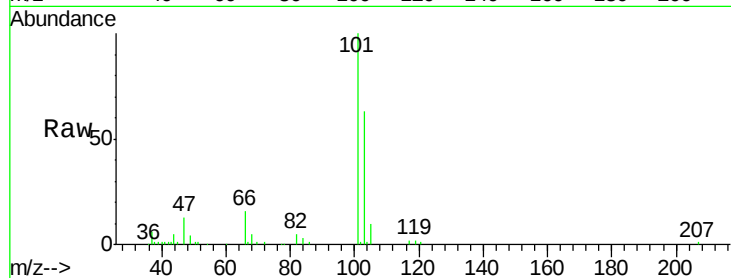


#7

Trichlorofluoromethane
 Concen: 21.627 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Instrument :
 MSVOA_N
 ClientSampled :

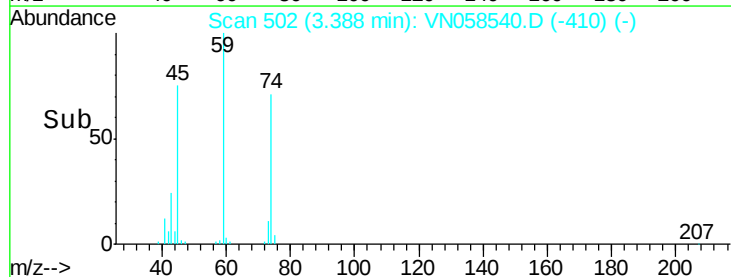
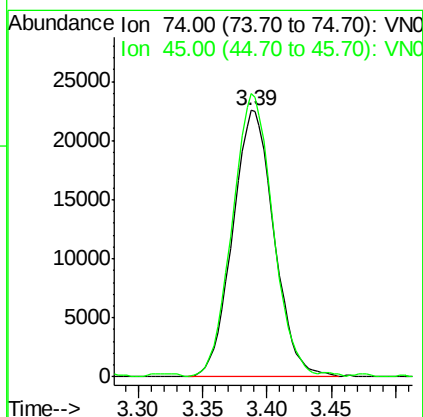
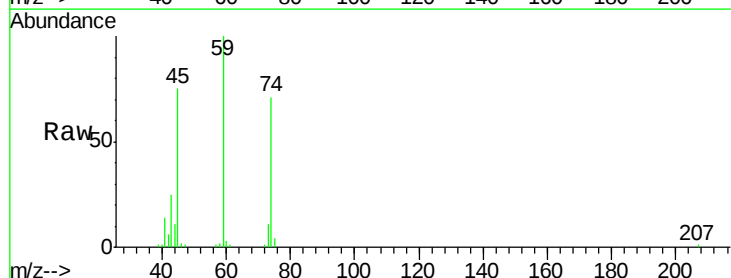
Tot Ion:101 Resp: 119659
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.3 78.5

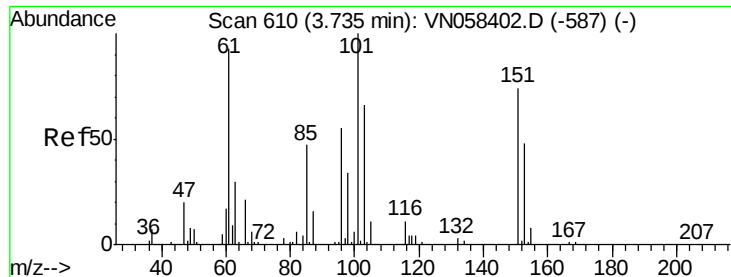


#8

Diethyl Ether
 Concen: 21.054 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion: 74 Resp: 50261
 Ion Ratio Lower Upper
 74 100
 45 104.5 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.493 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampled :

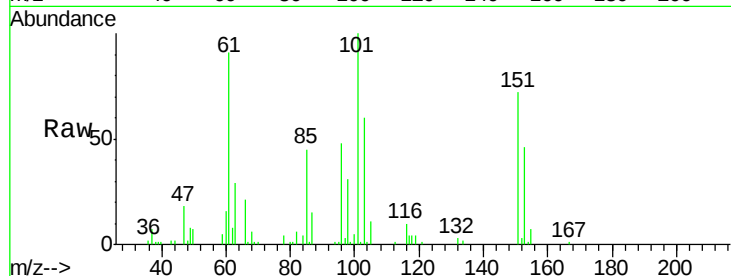
Tot Ion:101 Resp: 77002

Ion Ratio Lower Upper

101 100

85 47.6 36.7 55.1

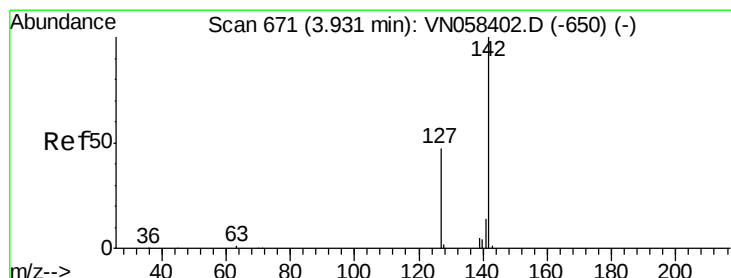
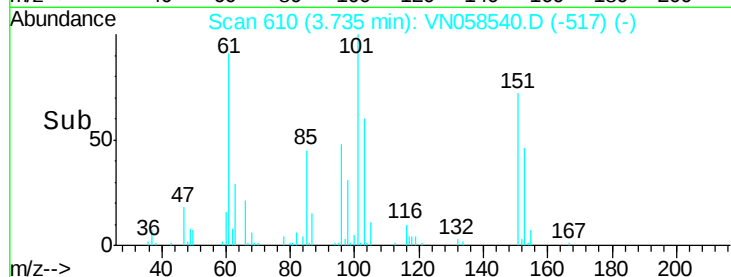
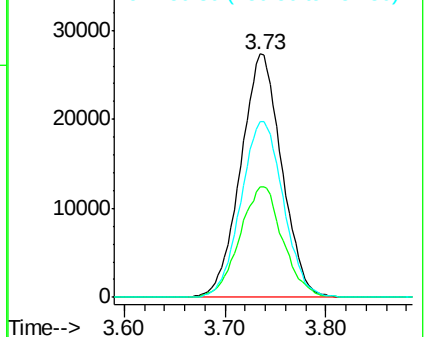
151 74.6 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.549 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

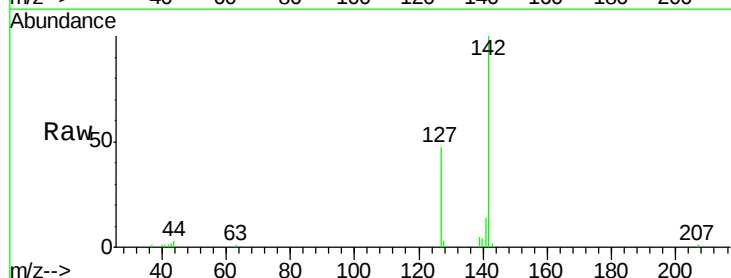
Tgt Ion:142 Resp: 64785

Ion Ratio Lower Upper

142 100

127 47.1 37.2 55.8

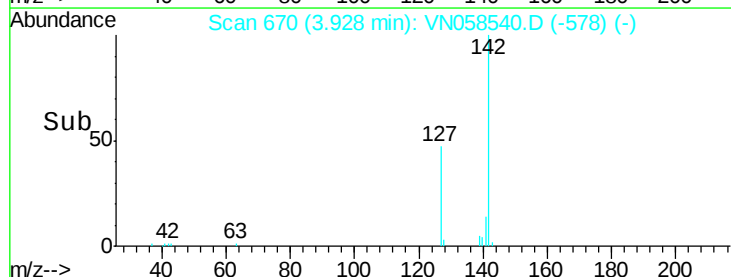
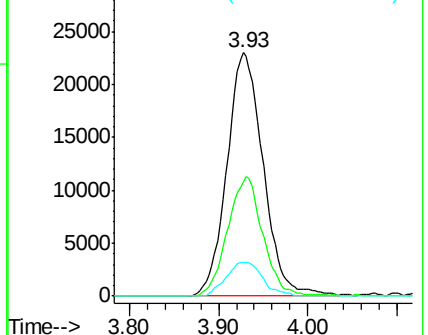
141 14.0 11.3 16.9

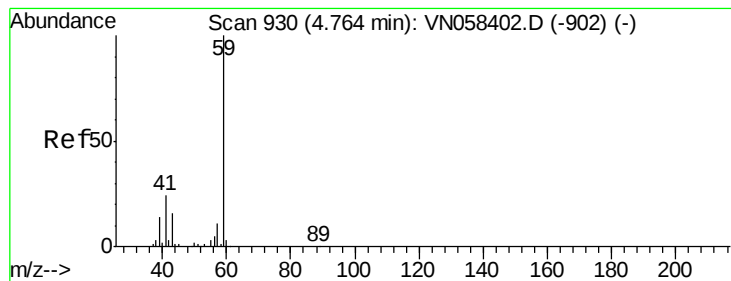


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



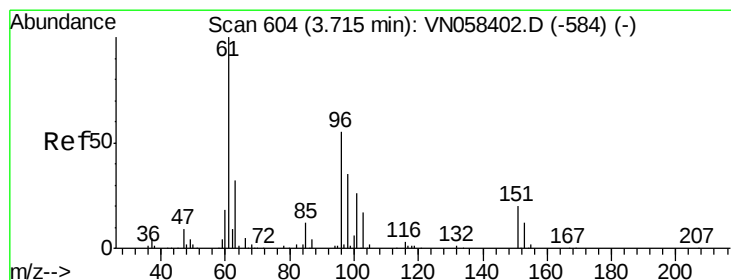
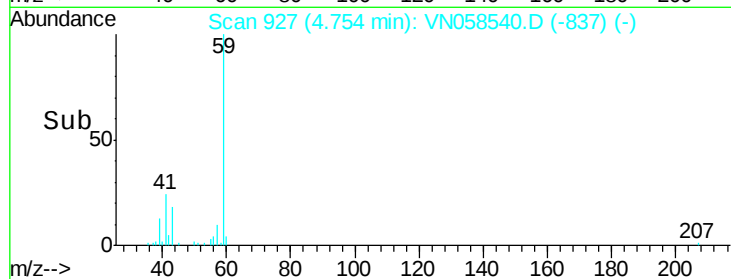
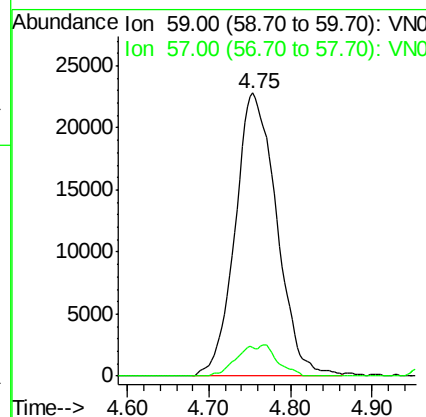
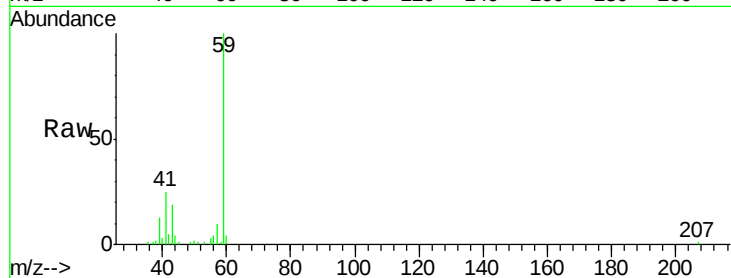


#11

Tert butyl alcohol
 Concen: 127.815 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Instrument :
 MSVOA_N
 ClientSampled :

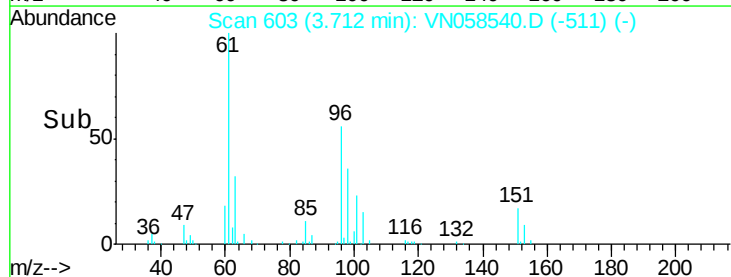
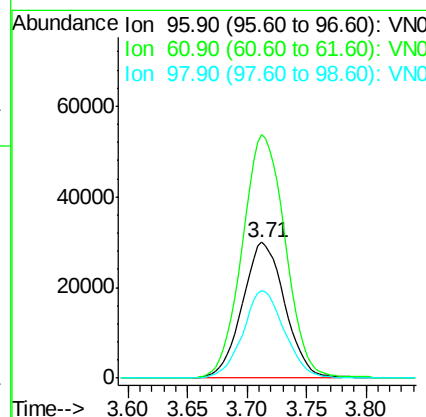
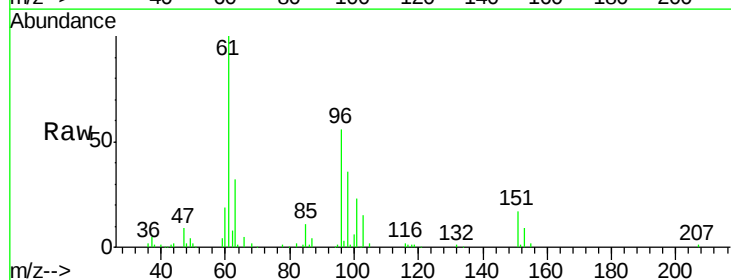
Tot Ion: 59 Resp: 80562
 Ion Ratio Lower Upper
 59 100
 57 5.3 9.0 13.4#

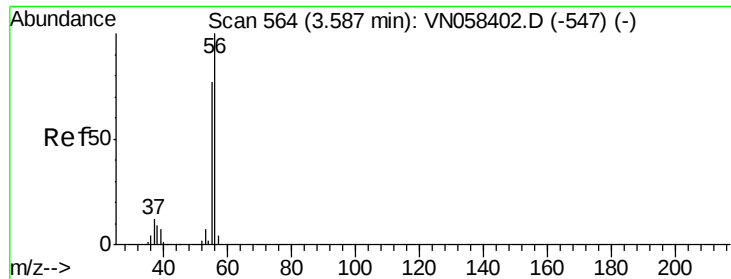


#12

1,1-Dichloroethene
 Concen: 20.275 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion: 96 Resp: 74259
 Ion Ratio Lower Upper
 96 100
 61 179.0 146.7 220.1
 98 63.9 51.3 76.9





#13

Acrolein

Concen: 107.824 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

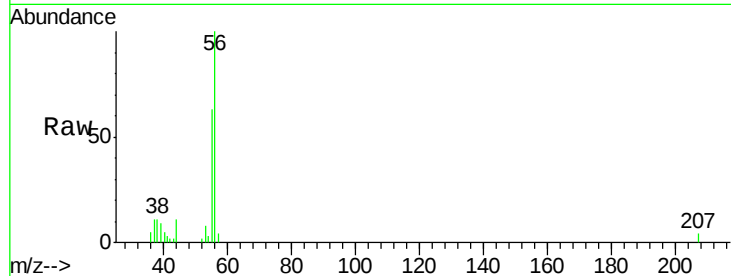
ClientSampleId :

Tot Ion: 56 Resp: 21616

Ion Ratio Lower Upper

56 100

55 71.5 58.3 87.5

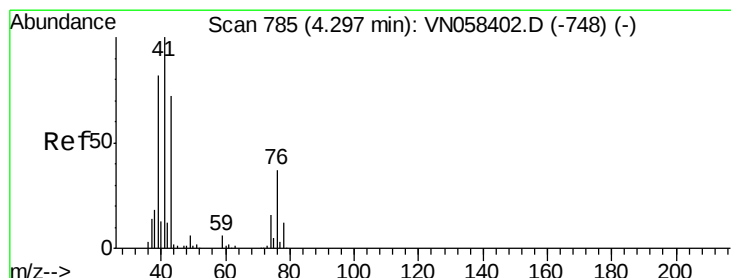
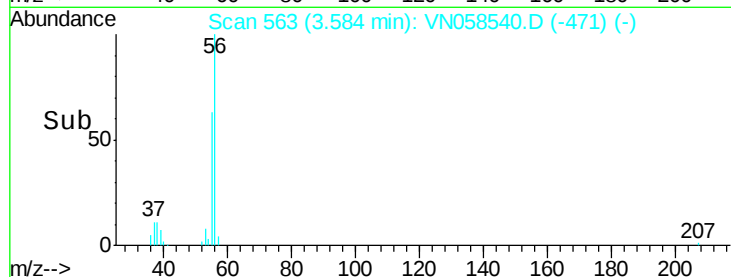


Abundance Ion 56.00 (55.70 to 56.70): VN058402.D (-547) (-)

Ion 55.00 (54.70 to 55.70): VN058402.D (-547) (-)

3.58

Time-->



#14

Allyl chloride

Concen: 21.062 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

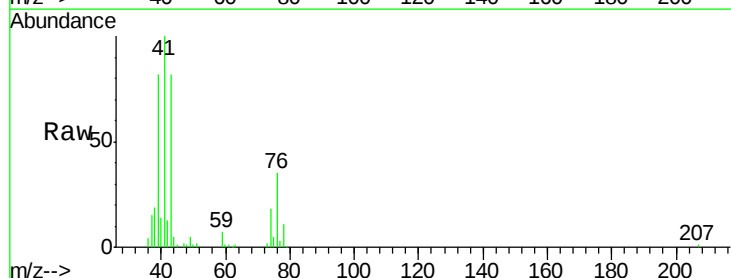
Tgt Ion: 41 Resp: 140383

Ion Ratio Lower Upper

41 100

39 76.6 62.3 93.5

76 32.3 26.9 40.3



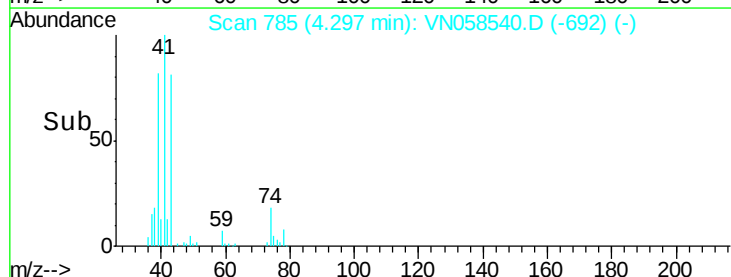
Abundance Ion 41.00 (40.70 to 41.70): VN058402.D (-748) (-)

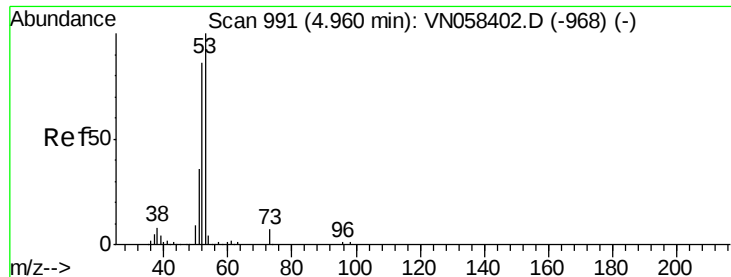
Ion 39.00 (38.70 to 39.70): VN058402.D (-748) (-)

Ion 75.90 (75.60 to 76.60): VN058402.D (-748) (-)

4.30

Time-->





#15

Acrylonitrile

Concen: 114.217 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampled :

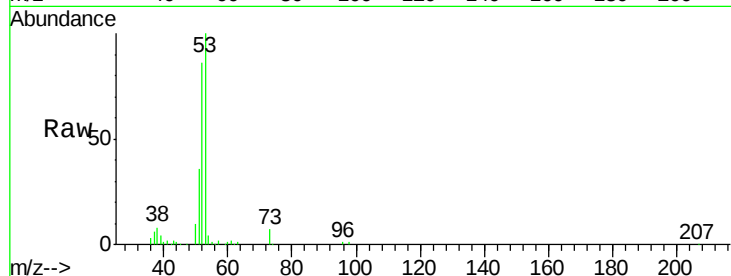
Tot Ion: 53 Resp: 209814

Ion Ratio Lower Upper

53 100

52 84.1 66.6 100.0

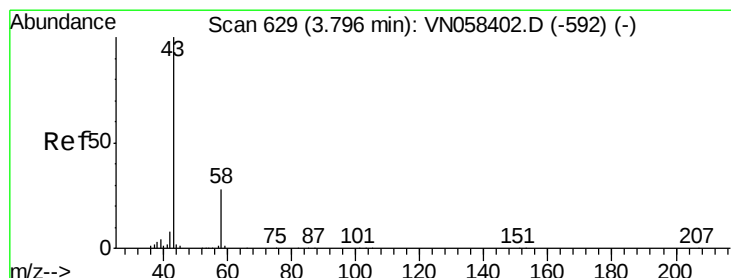
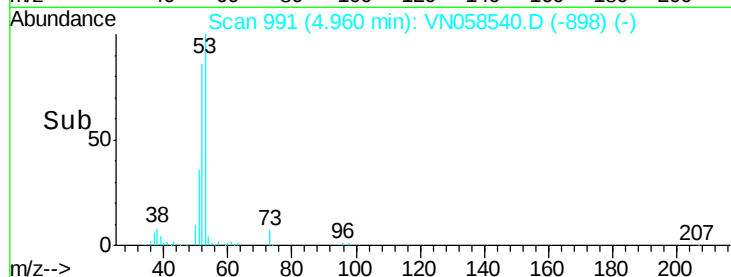
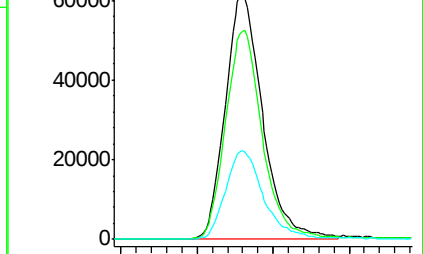
51 36.8 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN058540.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN058540.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN058540.D (-968) (-)



#16

Acetone

Concen: 96.206 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058540.D

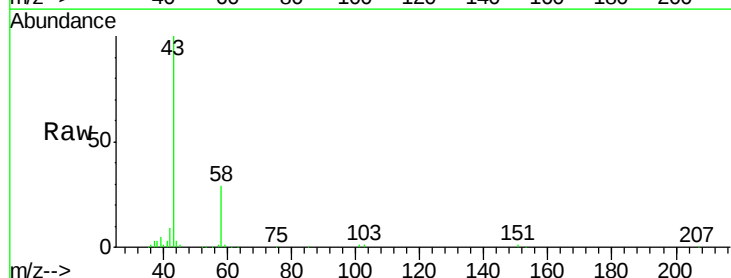
Acq: 4 Oct 2019 15:03

Tgt Ion: 43 Resp: 186073

Ion Ratio Lower Upper

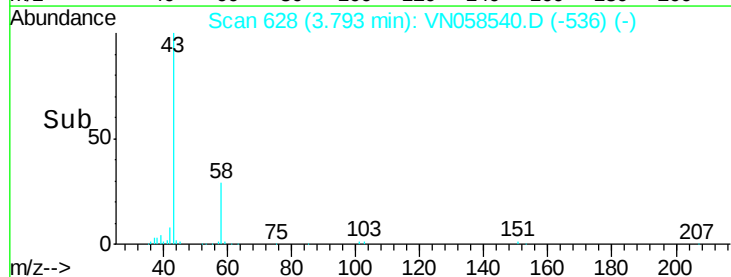
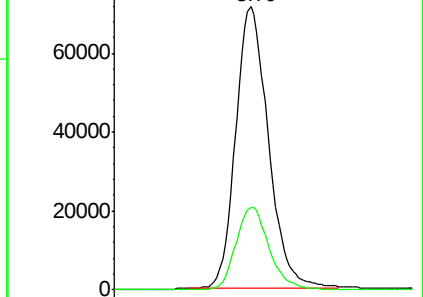
43 100

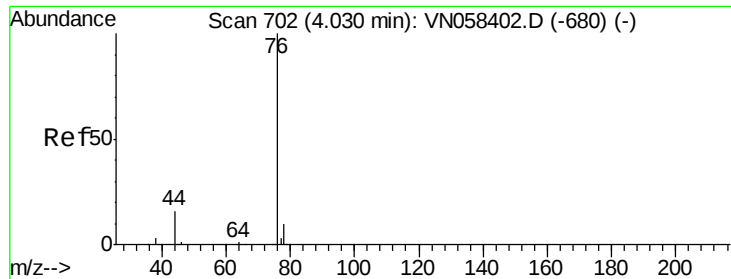
58 29.2 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN058540.D (-536) (-)

Ion 58.00 (57.70 to 58.70): VN058540.D (-536) (-)





#17

Carbon Disulfide

Concen: 19.505 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

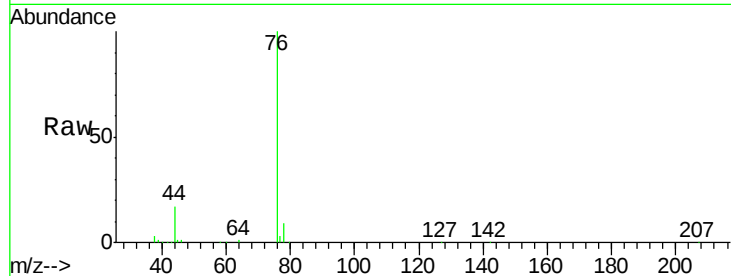
ClientSampleId :

Tot Ion: 76 Resp: 188310

Ion Ratio Lower Upper

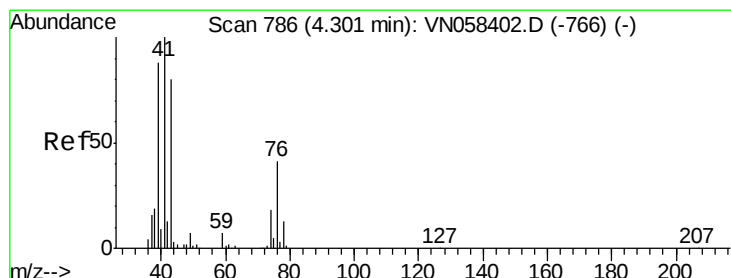
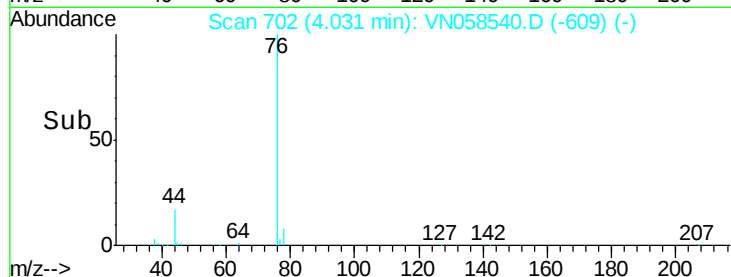
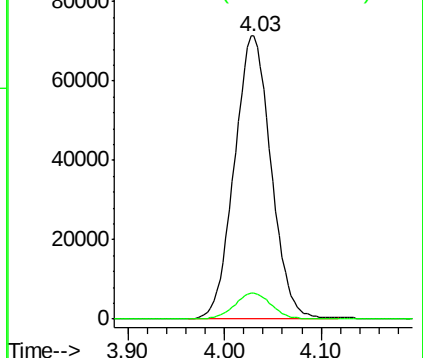
76 100

78 9.3 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 22.241 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058540.D

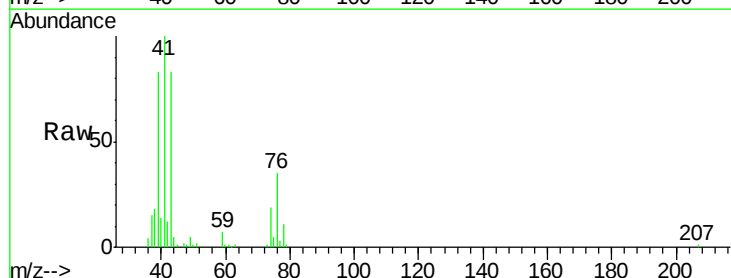
Acq: 4 Oct 2019 15:03

Tgt Ion: 43 Resp: 108194

Ion Ratio Lower Upper

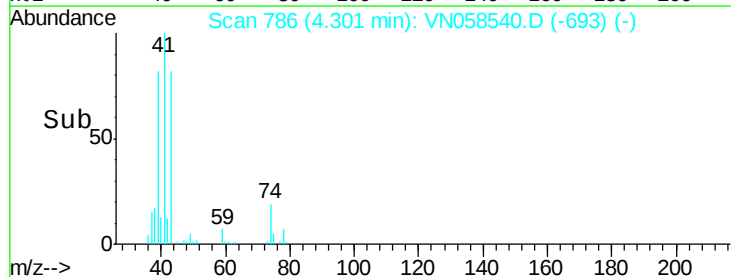
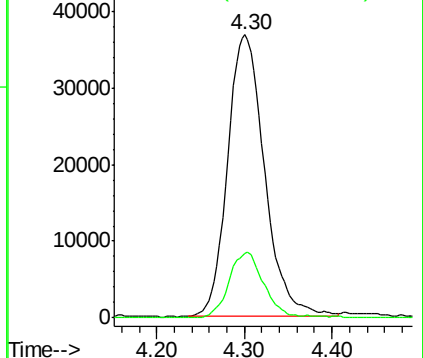
43 100

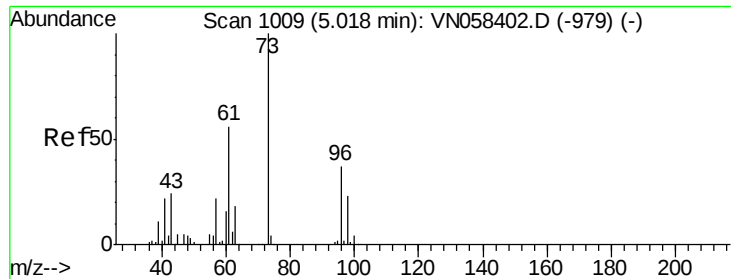
74 21.7 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

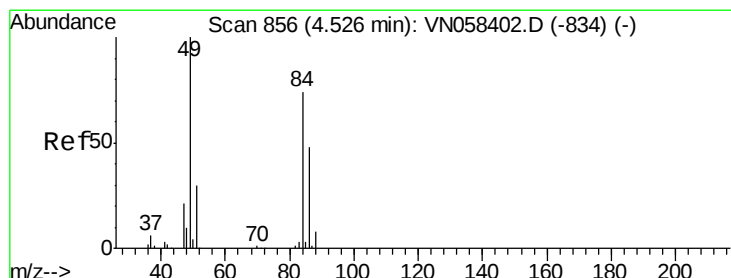
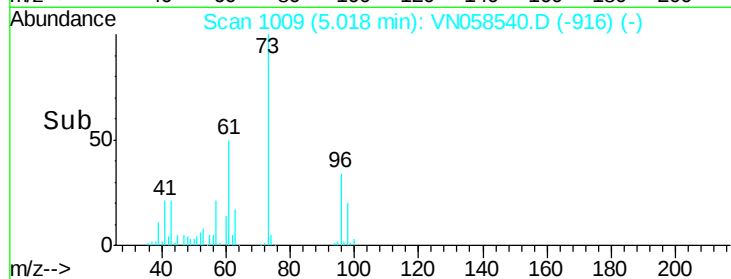
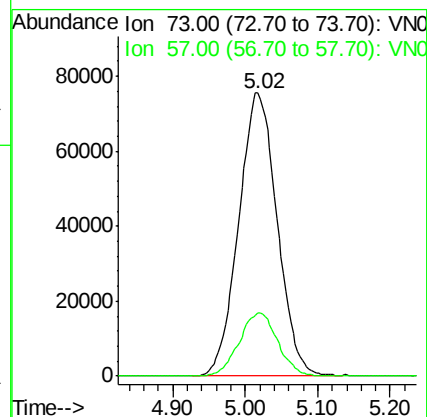
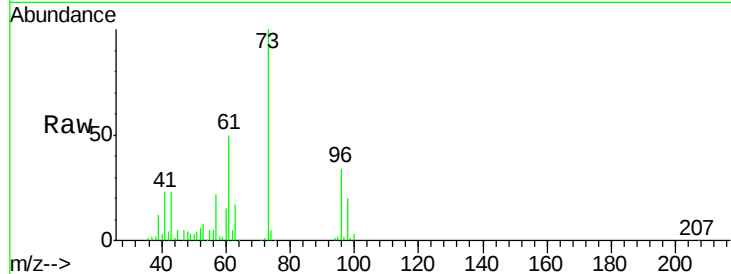




#19
Methvl tert-butvl Ether
Concen: 21.589 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

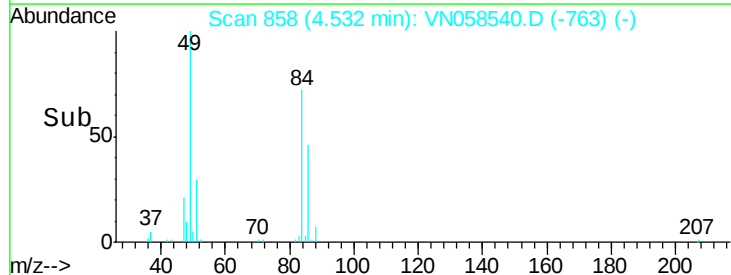
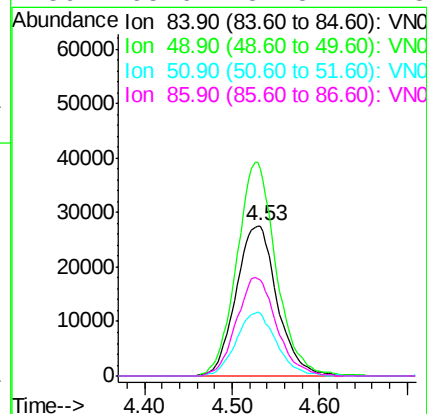
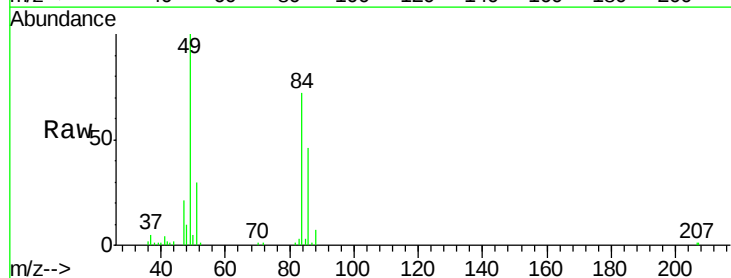
Instrument :
MSVOA_N
ClientSampled :

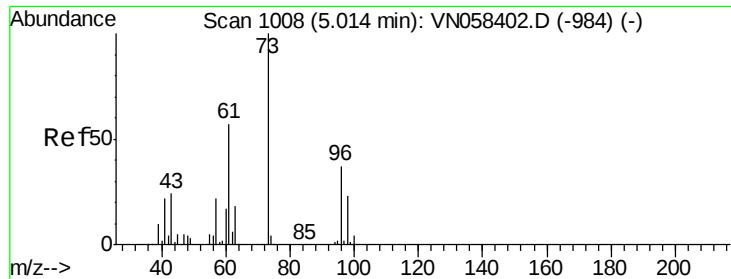
Tot Ion: 73 Resp: 278995
Ion Ratio Lower Upper
73 100
57 22.1 17.6 26.4



#20
Methylene Chloride
Concen: 20.106 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion: 84 Resp: 89740
Ion Ratio Lower Upper
84 100
49 138.3 107.9 161.9
51 41.7 32.8 49.2
86 63.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.733 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :

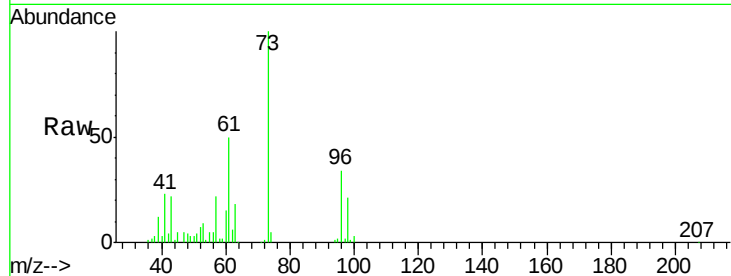
Tot Ion: 96 Resp: 80371

Ion Ratio Lower Upper

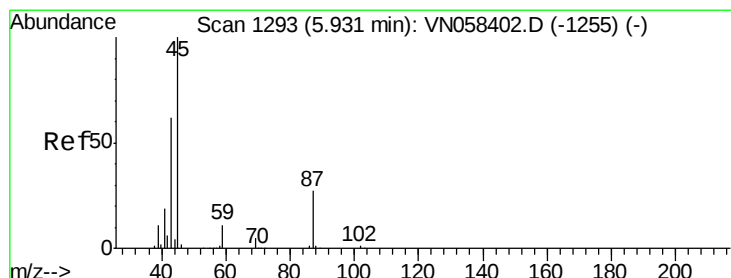
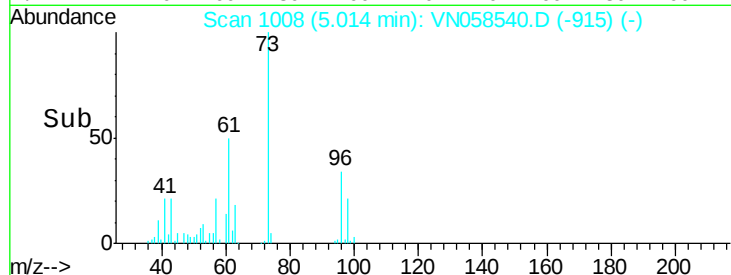
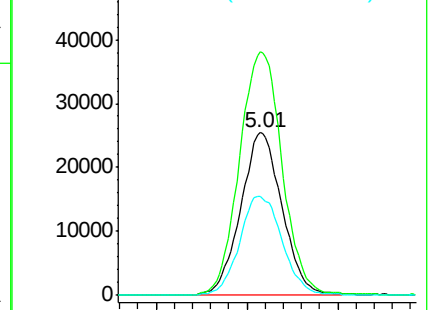
96 100

61 149.8 121.9 182.9

98 60.9 49.3 73.9



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



#22

Diisopropyl ether

Concen: 21.054 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Tgt Ion: 45 Resp: 301986

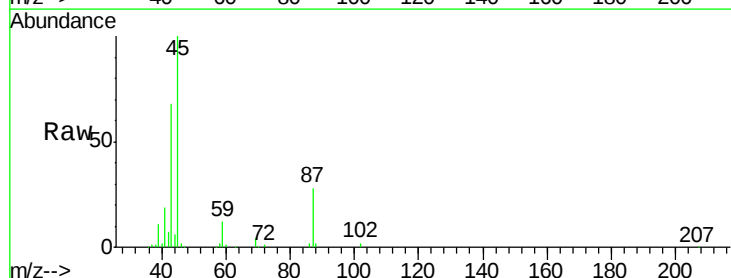
Ion Ratio Lower Upper

45 100

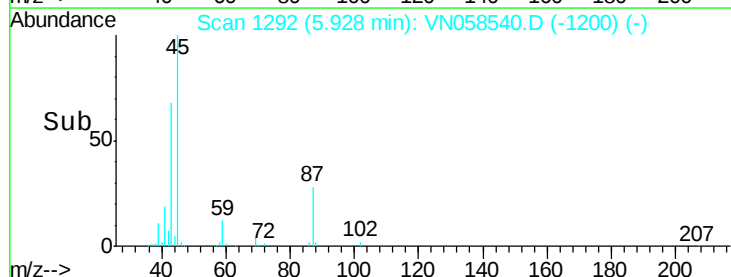
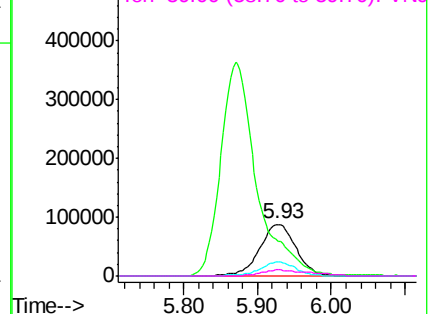
43 66.0 49.7 74.5

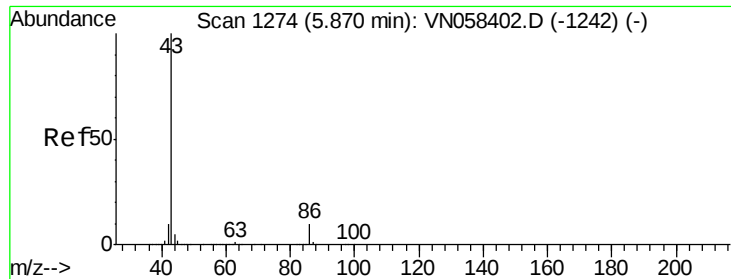
87 27.4 21.5 32.3

59 12.0 8.9 13.3



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





#23

Vinyl Acetate

Concen: 114.204 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

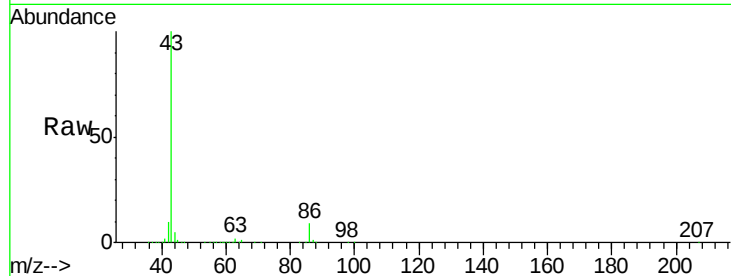
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1235112

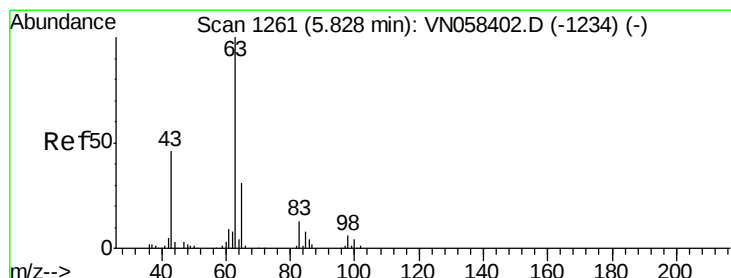
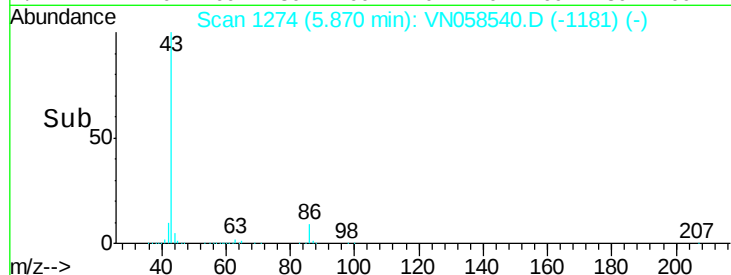
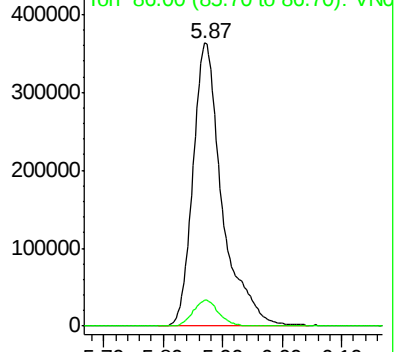
Ion Ratio Lower Upper

43 100

86 9.1 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN058540.D (-1181) (-)



#24

1,1-Dichloroethane

Concen: 21.560 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

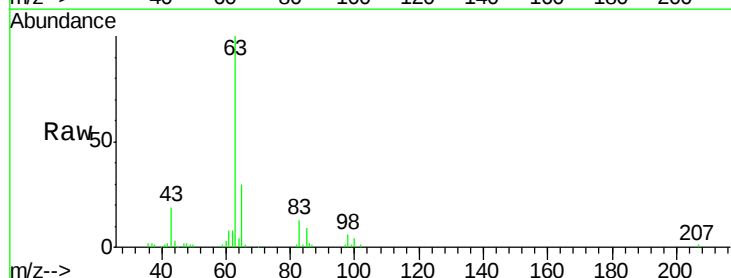
Tgt Ion: 63 Resp: 174039

Ion Ratio Lower Upper

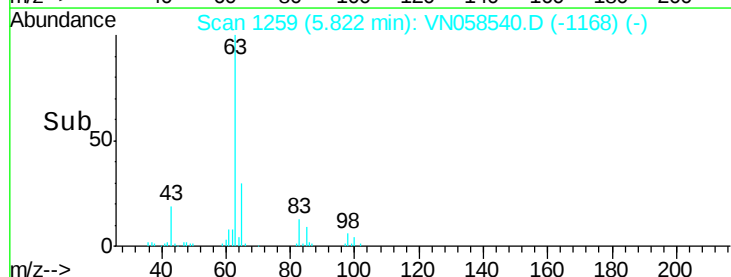
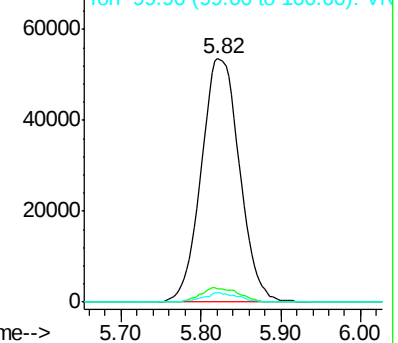
63 100

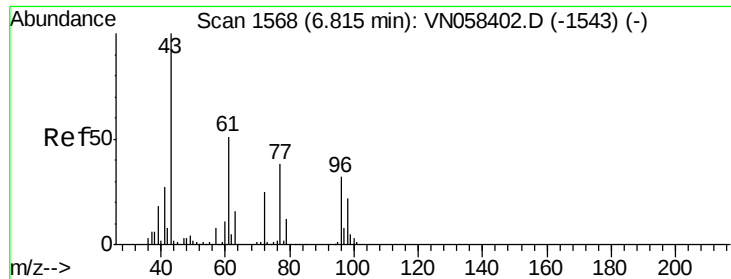
98 5.7 3.0 9.0

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN058540.D (-1168) (-)





#25

2-Butanone

Concen: 106.608 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

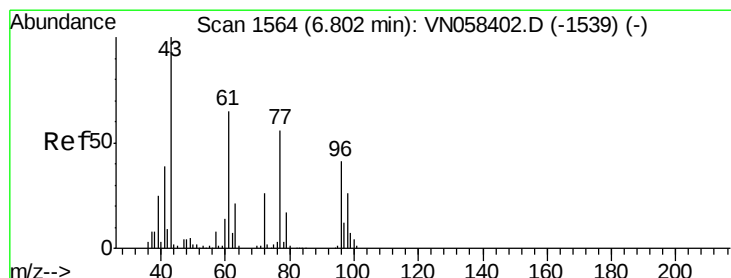
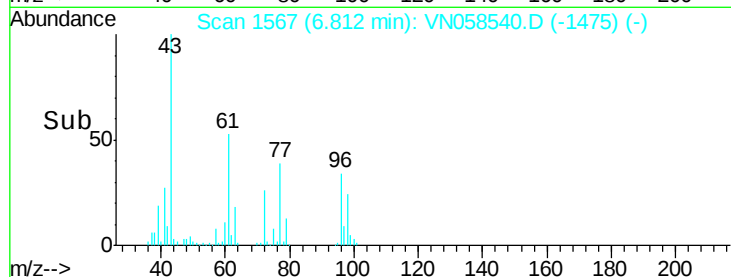
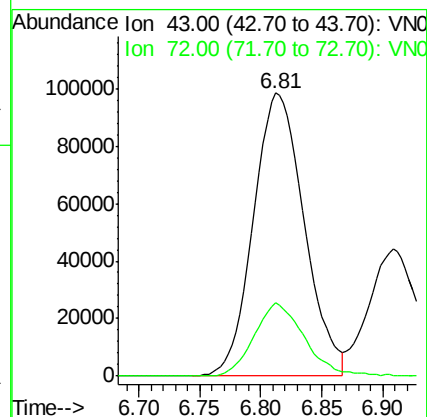
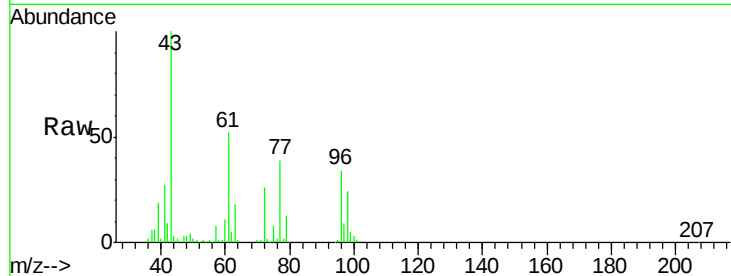
ClientSampled :

Tot Ion: 43 Resp: 283095

Ion Ratio Lower Upper

43 100

72 25.9 20.2 30.4



#26

2,2-Dichloropropane

Concen: 20.450 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058540.D

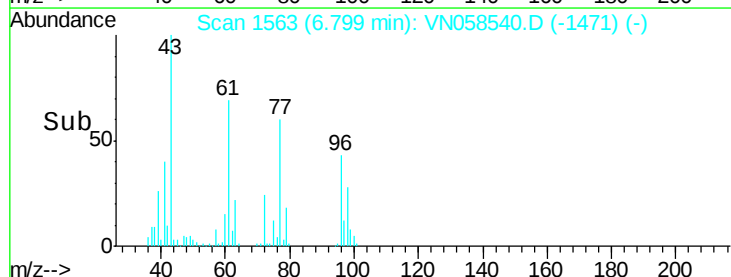
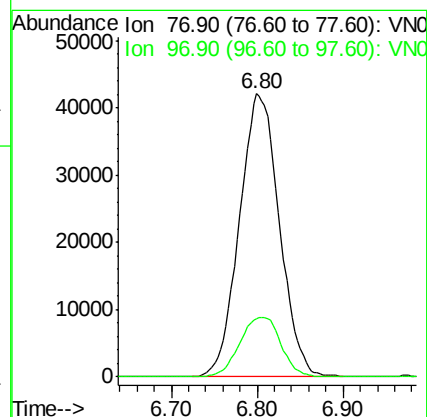
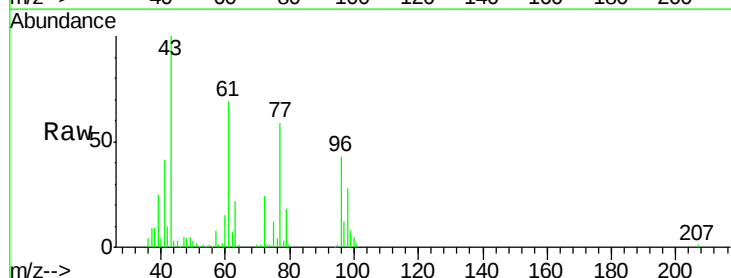
Acq: 4 Oct 2019 15:03

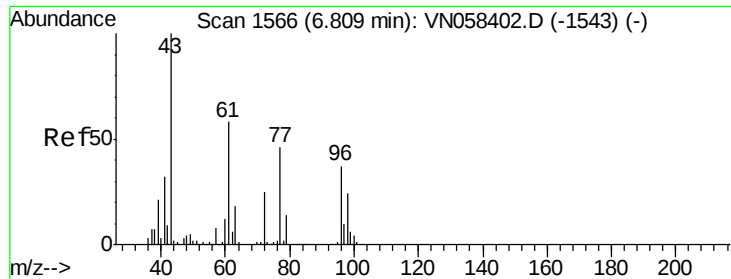
Tgt Ion: 77 Resp: 135713

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 20.880 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

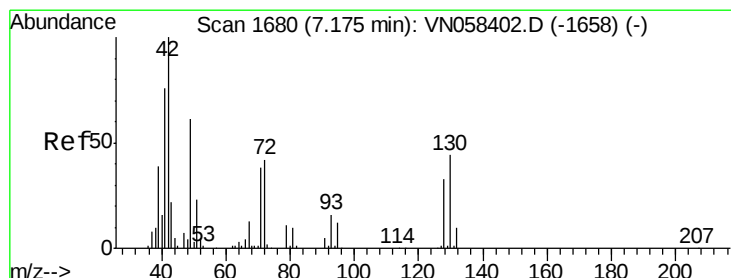
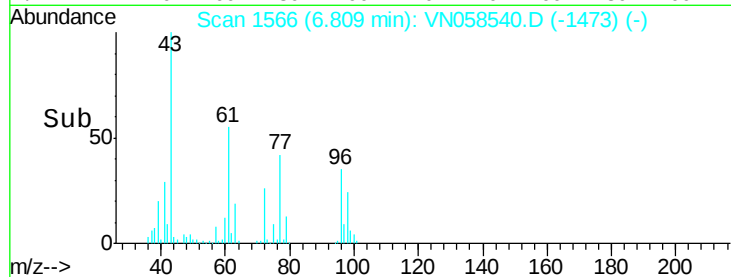
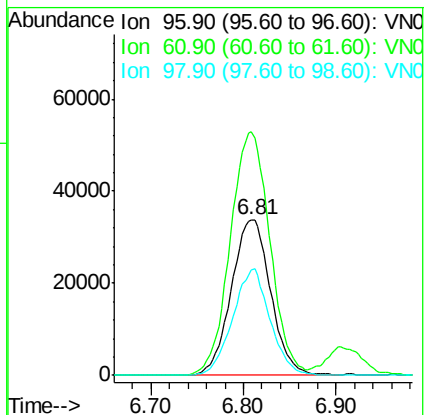
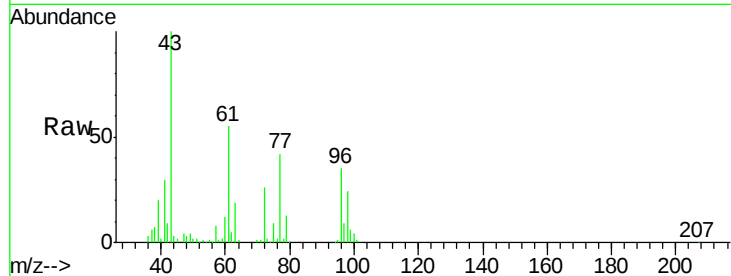
Tot Ion: 96 Resp: 99391

Ion Ratio Lower Upper

96 100

61 157.4 0.0 318.8

98 64.9 0.0 129.8



#28

Bromochloromethane

Concen: 21.816 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

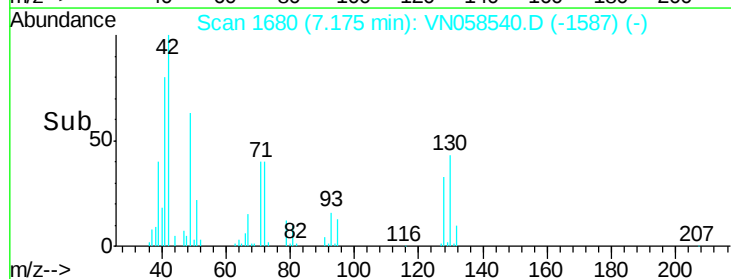
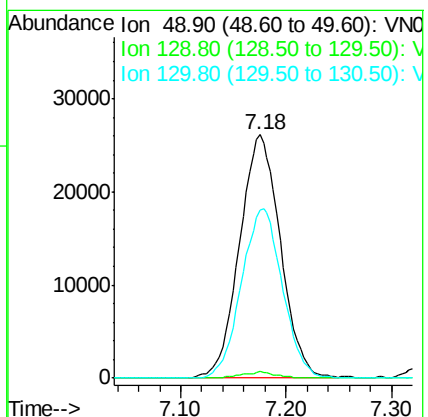
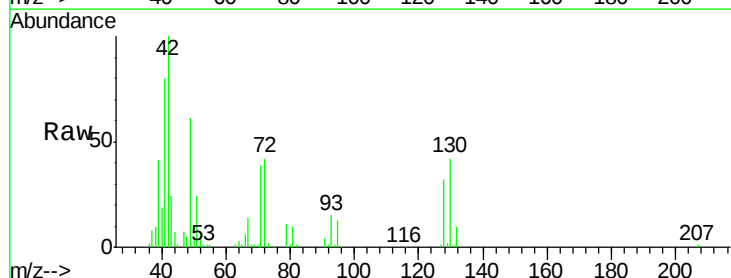
Tgt Ion: 49 Resp: 70393

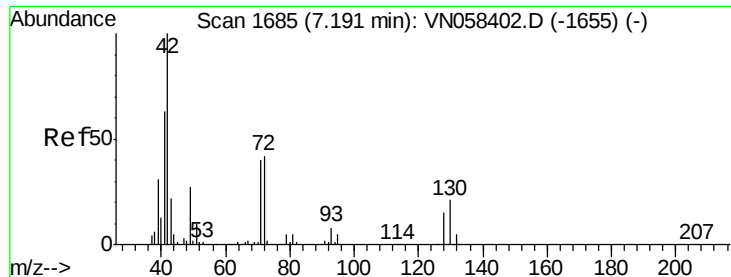
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.4

130 69.8 56.3 84.5

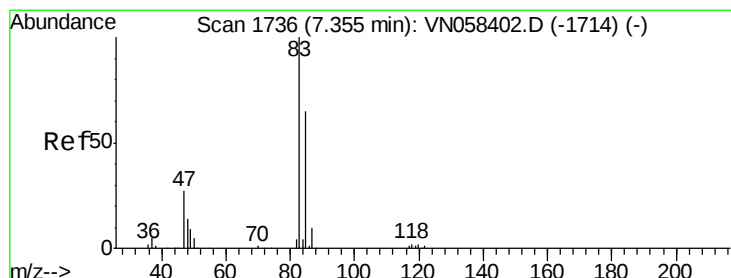
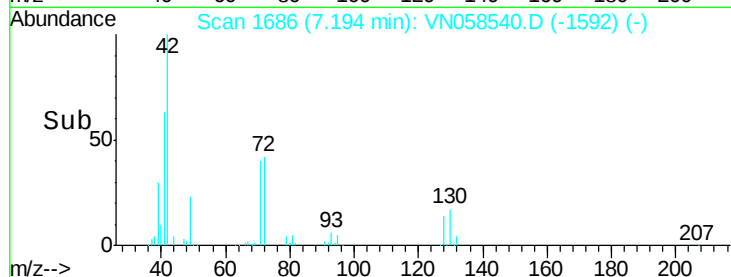
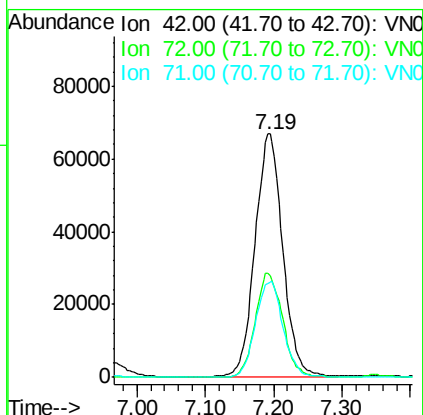
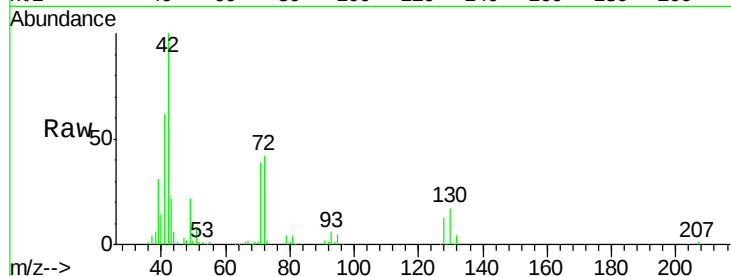




#29
Tetrahydrofuran
Concen: 112.649 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

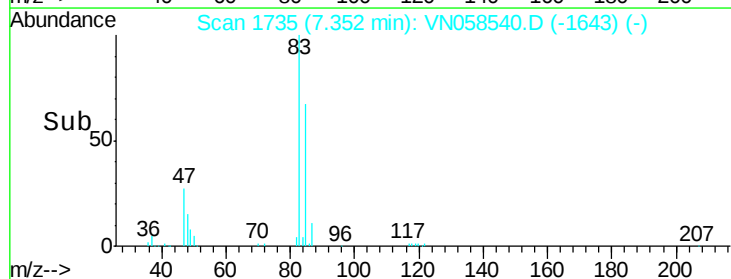
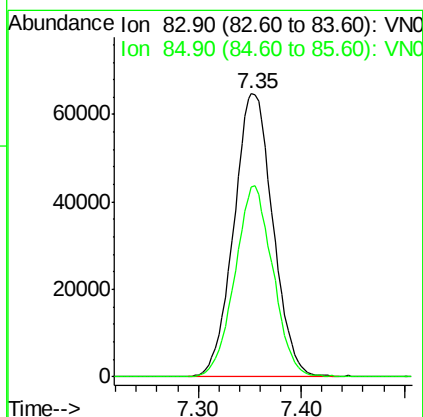
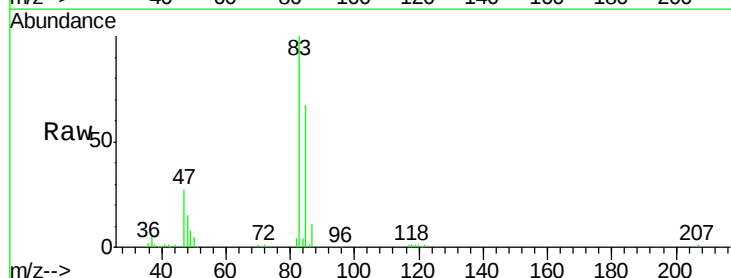
Instrument :
MSVOA_N
ClientSampled :

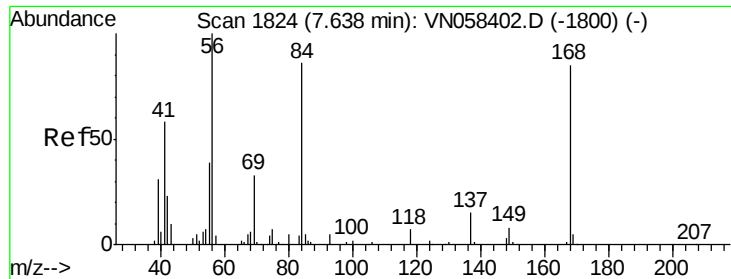
Tot Ion: 42 Resp: 189860
Ion Ratio Lower Upper
42 100
72 42.1 33.7 50.5
71 39.3 31.8 47.6



#30
Chloroform
Concen: 20.872 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion: 83 Resp: 170736
Ion Ratio Lower Upper
83 100
85 67.0 52.0 78.0

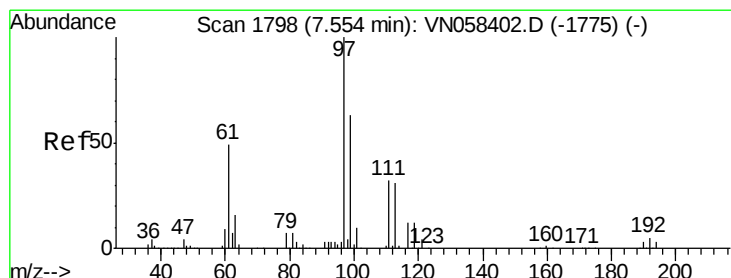
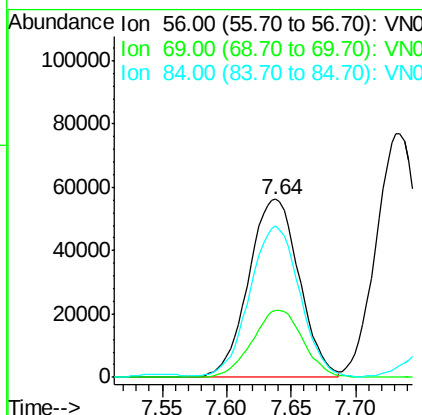
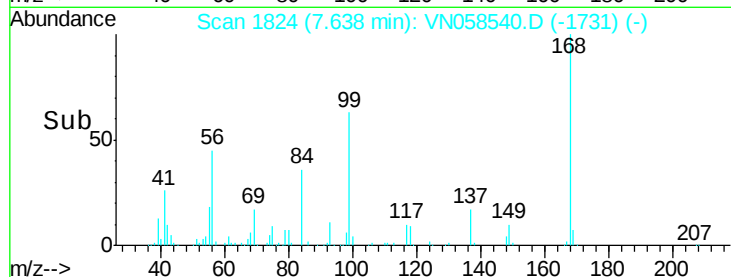
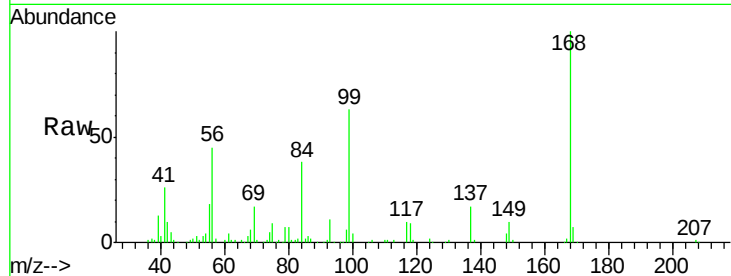




#31
Cyclohexane
Concen: 19.605 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

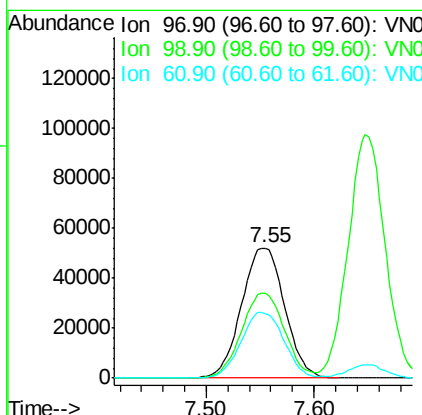
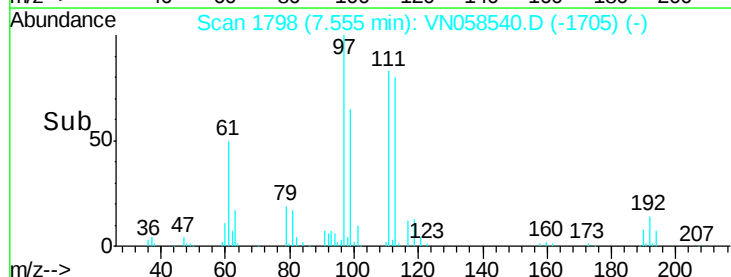
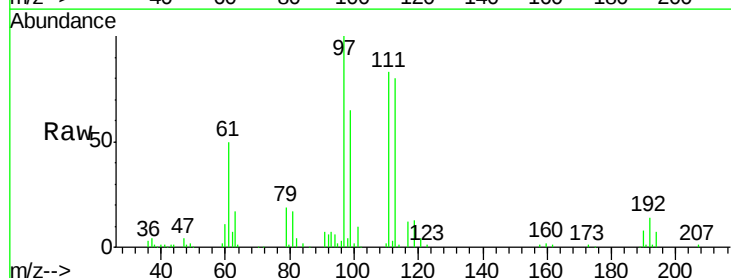
Instrument :
MSVOA_N
ClientSampled :

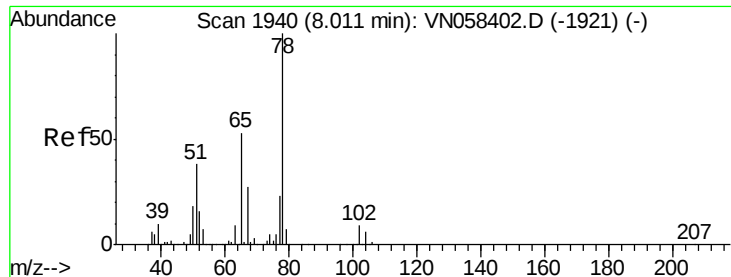
Tot Ion: 56 Resp: 153939
Ion Ratio Lower Upper
56 100
69 37.6 26.2 39.4
84 83.6 67.6 101.4



#32
1,1,1-Trichloroethane
Concen: 21.554 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion: 97 Resp: 144783
Ion Ratio Lower Upper
97 100
99 65.5 51.1 76.7
61 50.2 39.2 58.8





#33

1,2-Dichloroethane-d4

Concen: 49.202 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

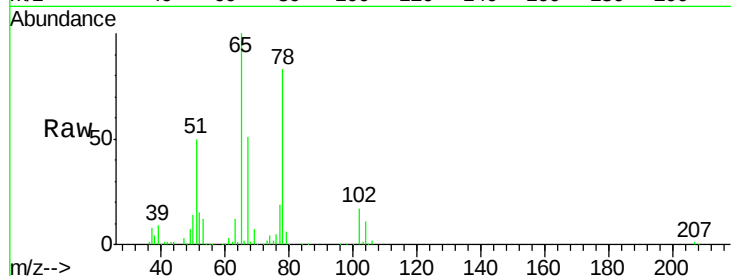
ClientSampleId :

Tot Ion: 65 Resp: 279157

Ion Ratio Lower Upper

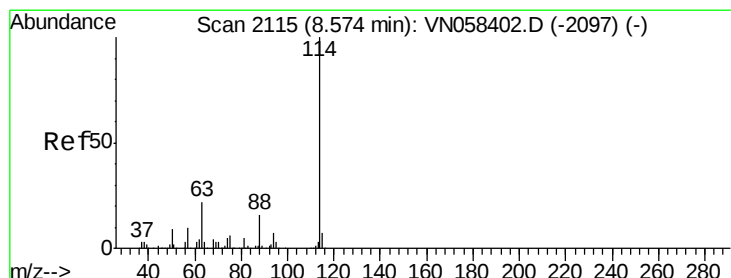
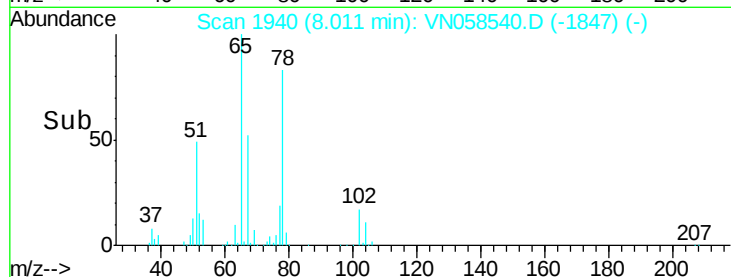
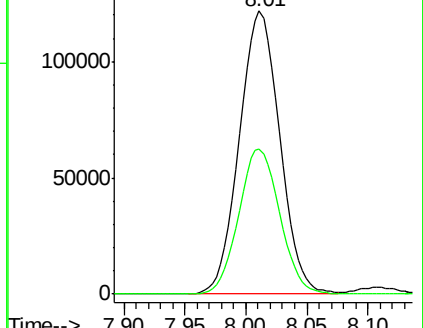
65 100

67 52.3 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058540.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058540.D (-1847) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

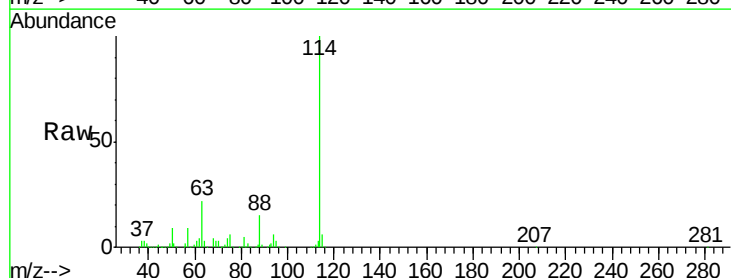
Tgt Ion: 114 Resp: 659861

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.0

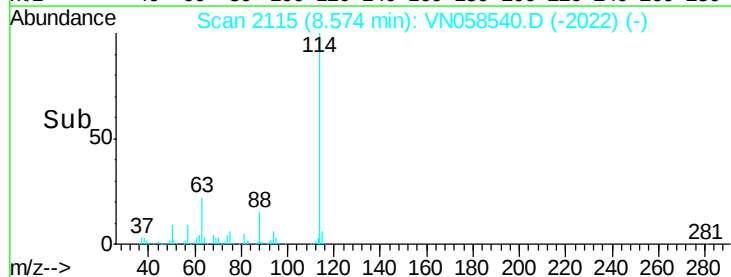
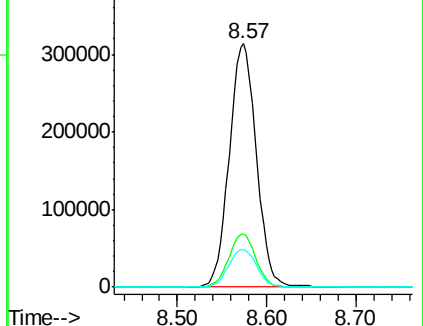
88 15.3 0.0 32.2

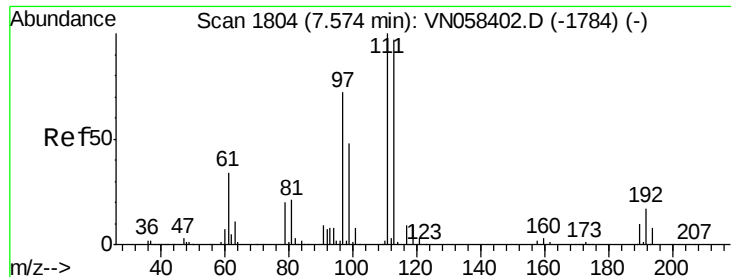


Abundance Ion 113.90 (113.60 to 114.60): VN058540.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058540.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058540.D (-2022) (-)

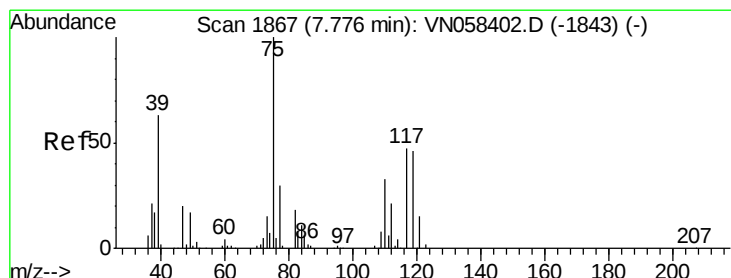
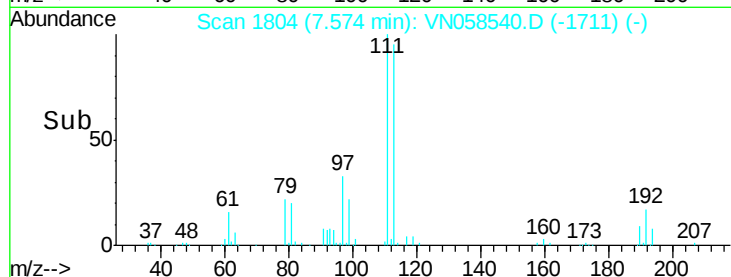
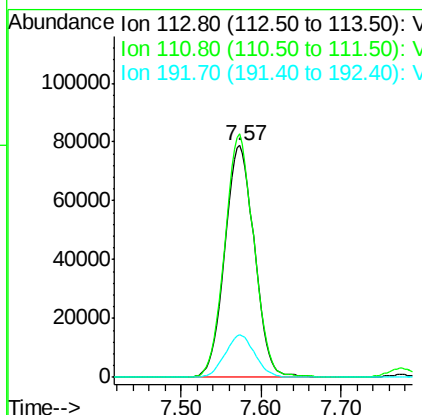
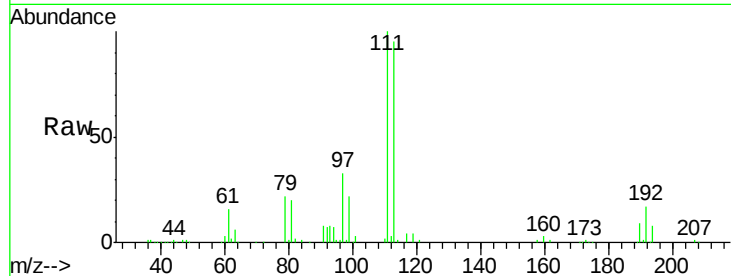




#35
Dibromofluoromethane
Concen: 49.150 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

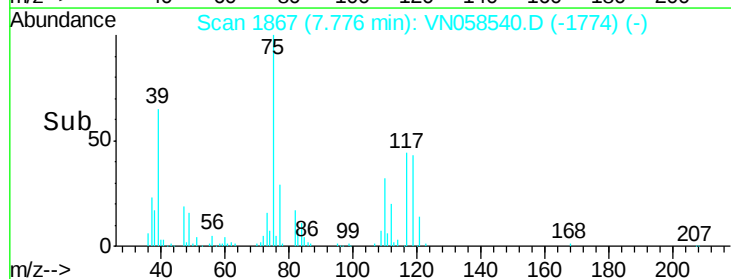
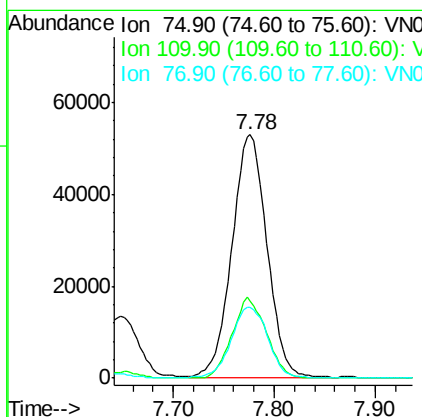
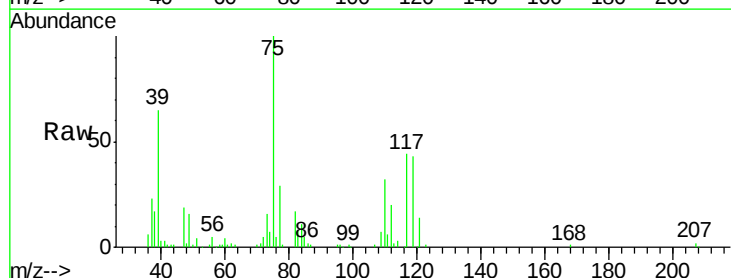
Instrument :
MSVOA_N
ClientSampleId :

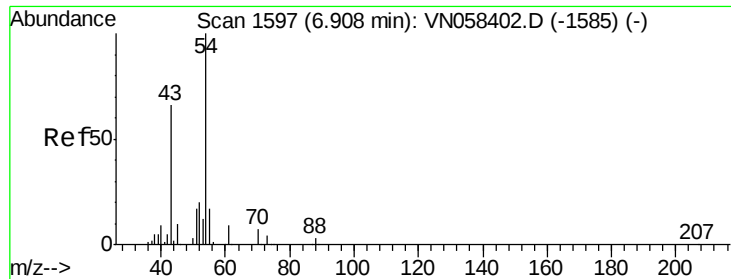
Tot Ion:113 Resp: 198775
Ion Ratio Lower Upper
113 100
111 103.3 83.4 125.2
192 18.4 14.9 22.3



#36
1,1-Dichloropropene
Concen: 20.210 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion: 75 Resp: 127514
Ion Ratio Lower Upper
75 100
110 32.3 16.4 49.2
77 30.6 24.3 36.5

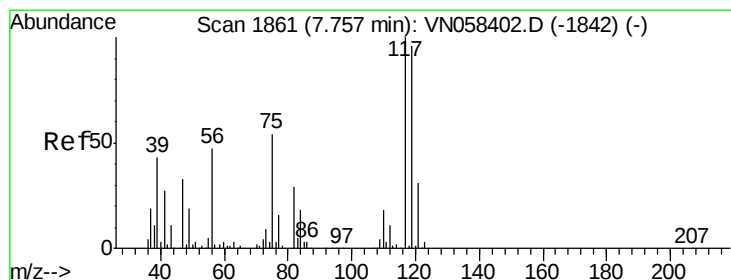
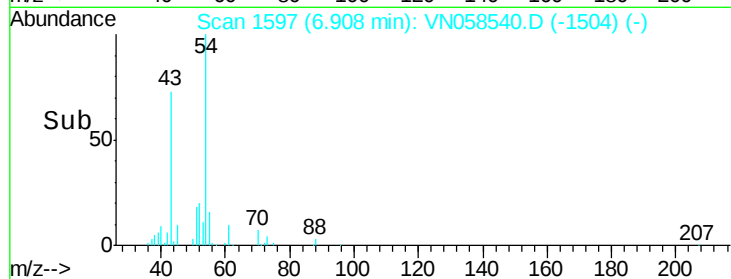
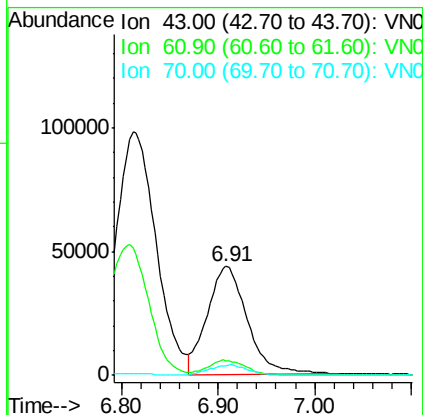
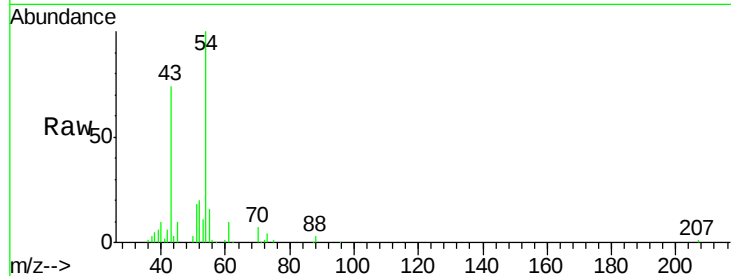




#37
Ethyl Acetate
Concen: 23.431 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

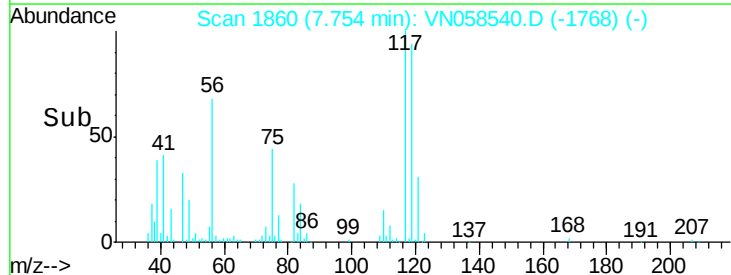
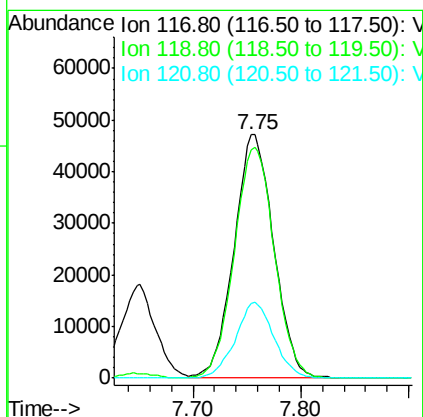
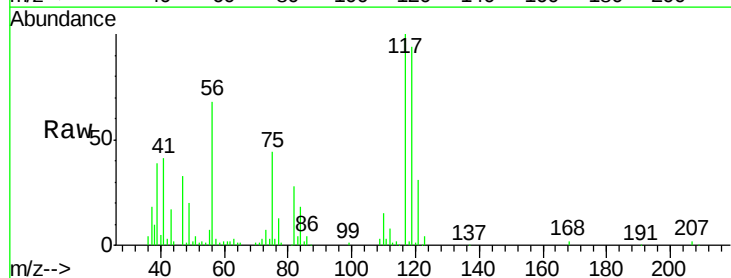
Instrument :
MSVOA_N
ClientSampled :

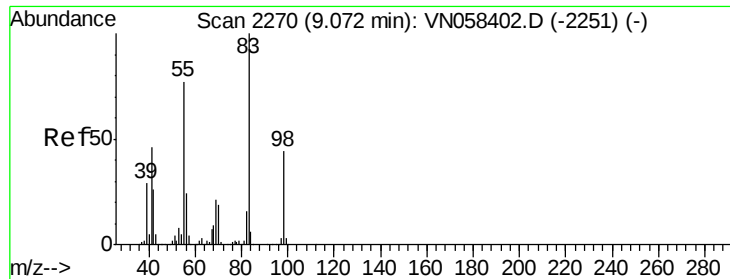
Tot Ion: 43 Resp: 125343
Ion Ratio Lower Upper
43 100
61 13.9 10.5 15.7
70 9.5 7.8 11.6



#38
Carbon Tetrachloride
Concen: 21.169 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion: 117 Resp: 120563
Ion Ratio Lower Upper
117 100
119 93.6 76.6 115.0
121 30.5 24.7 37.1

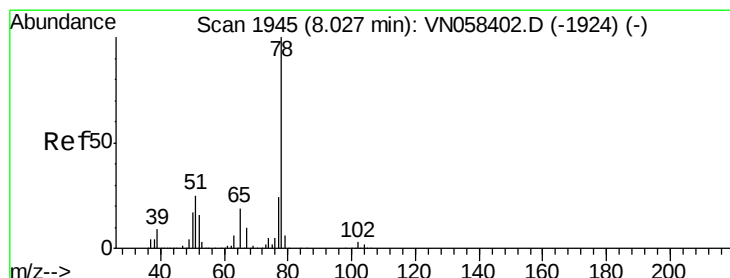
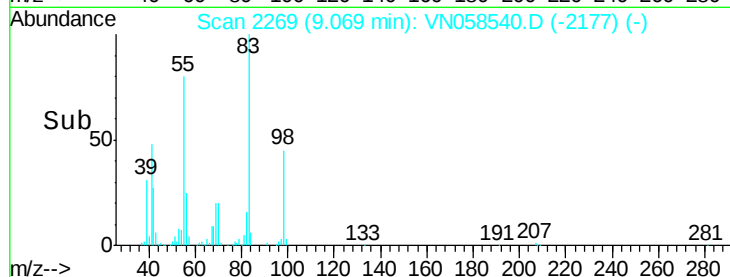
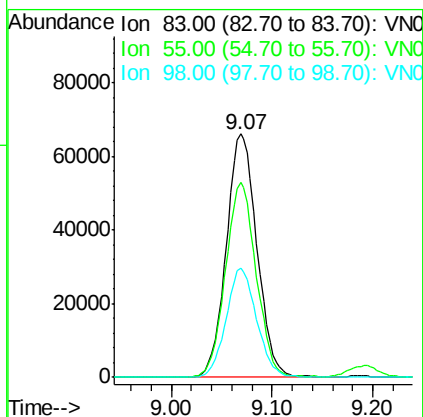
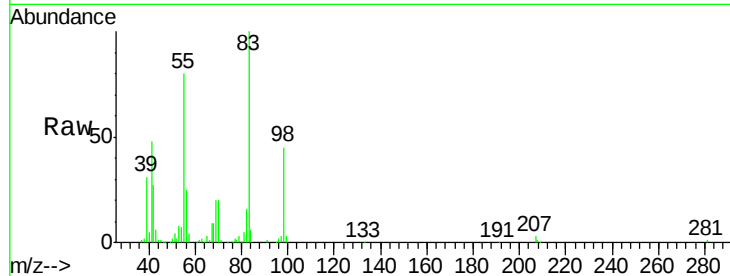




#39
Methvlcvclohexane
Concen: 19.012 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

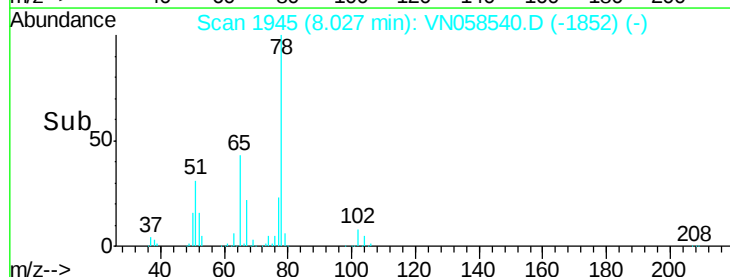
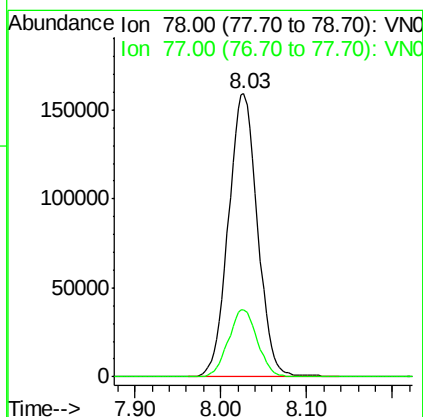
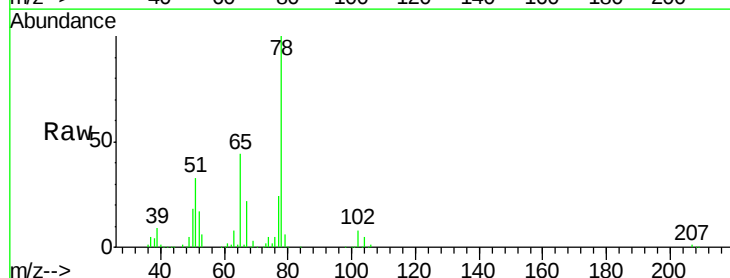
Instrument :
MSVOA_N
ClientSampled :

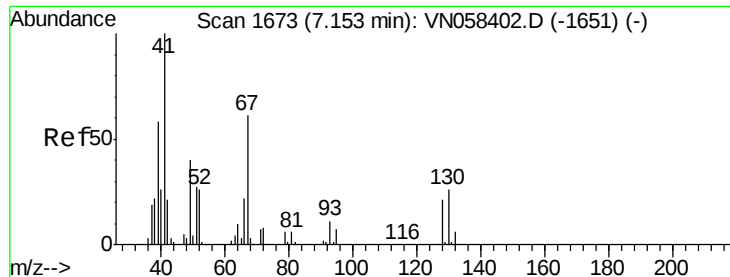
Tot Ion: 83 Resp: 140083
Ion Ratio Lower Upper
83 100
55 80.1 61.8 92.6
98 44.8 35.4 53.0



#40
Benzene
Concen: 20.574 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion: 78 Resp: 373144
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

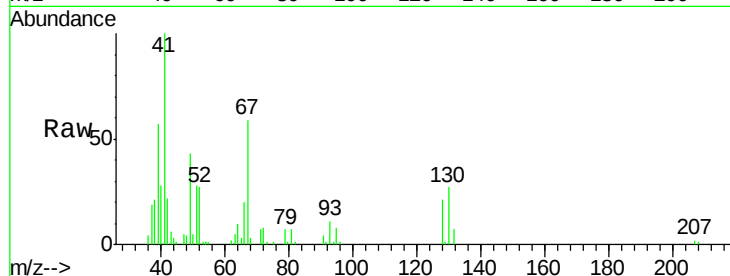




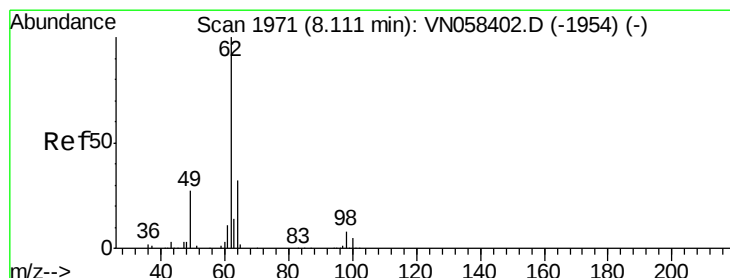
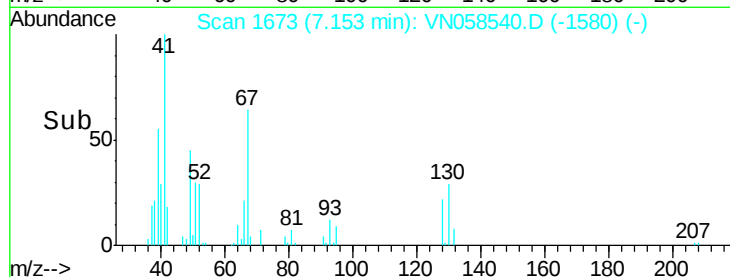
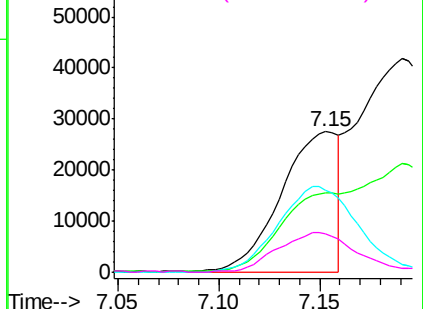
#41
Methacrylonitrile
Concen: 21.990 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 54118
Ion Ratio Lower Upper
41 100
39 58.0 50.2 75.4
67 86.9 70.2 105.4
52 39.8 31.4 47.0

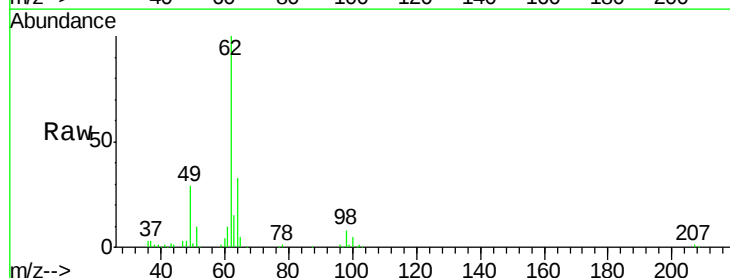


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

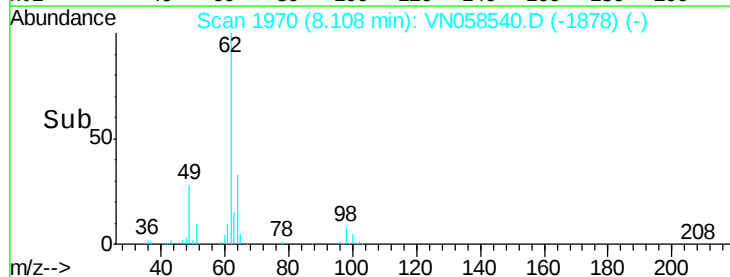
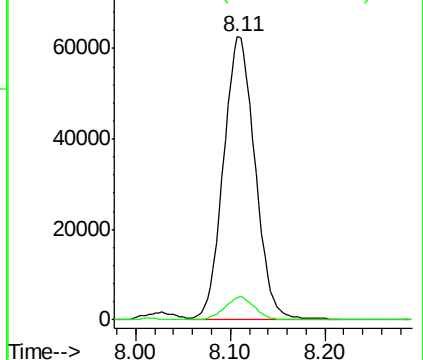


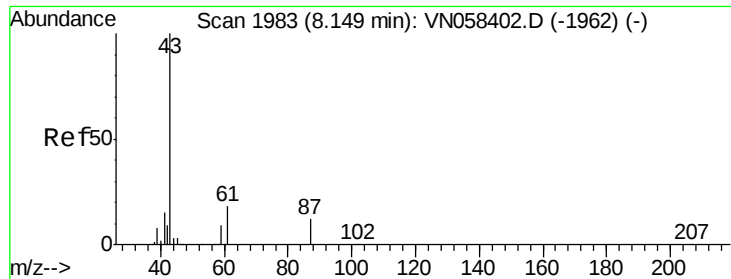
#42
1,2-Dichloroethane
Concen: 20.524 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion: 62 Resp: 144819
Ion Ratio Lower Upper
62 100
98 7.7 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

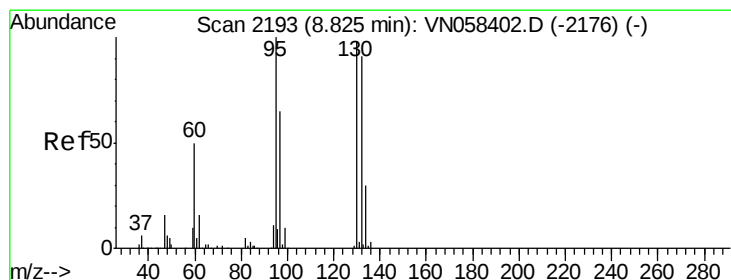
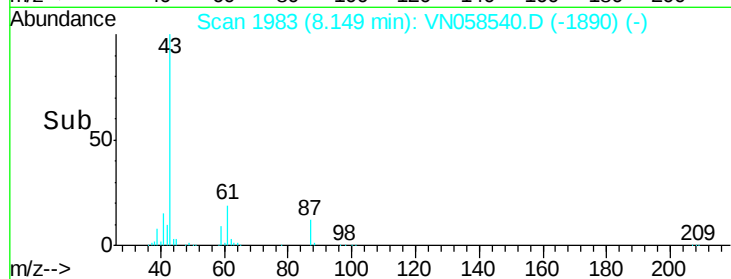
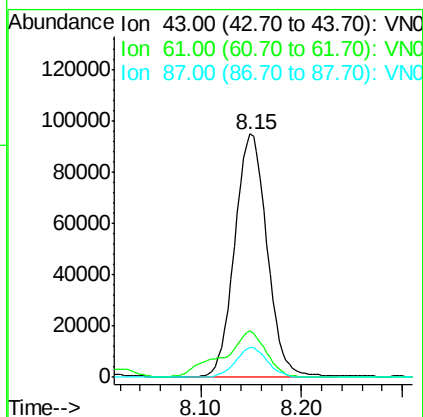
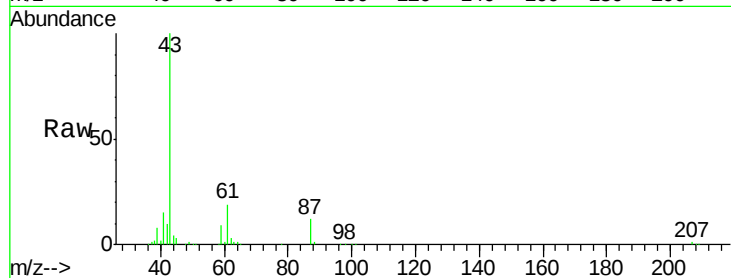




#43
Isopropyl Acetate
Concen: 21.075 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

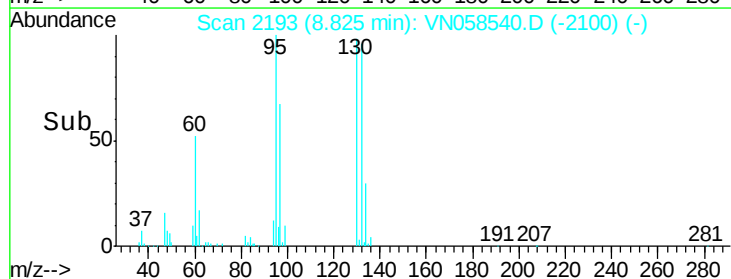
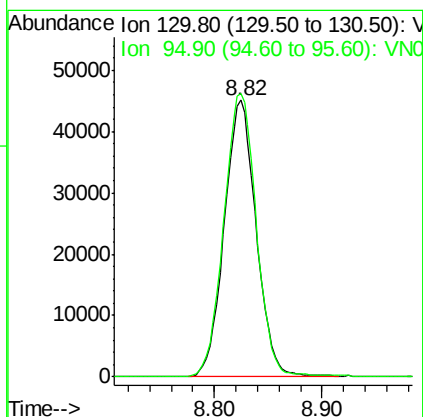
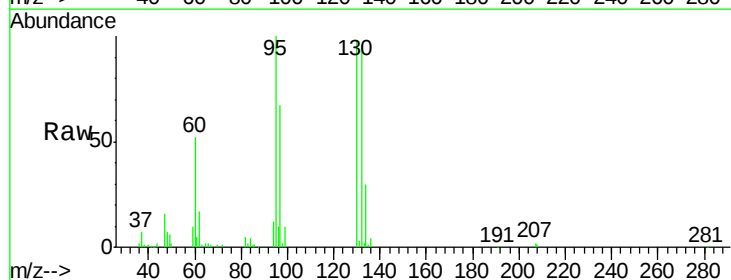
Instrument :
MSVOA_N
ClientSampleId :

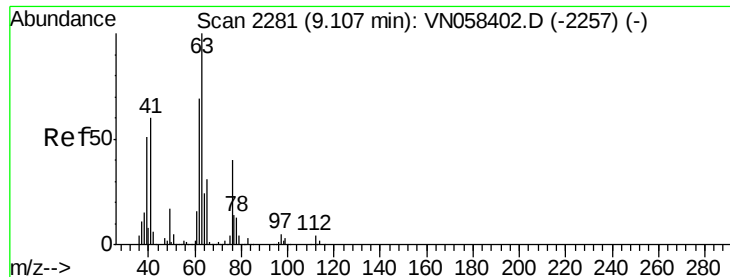
Tot Ion: 43 Resp: 212002
Ion Ratio Lower Upper
43 100
61 24.9 14.8 22.2#
87 12.0 9.7 14.5



#44
Trichloroethene
Concen: 20.737 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion:130 Resp: 92868
Ion Ratio Lower Upper
130 100
95 101.9 0.0 204.2





#45

1,2-Dichloropropane

Concen: 21.133 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

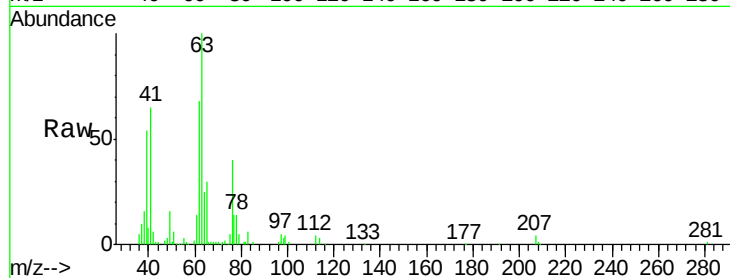
ClientSampled :

Tot Ion: 63 Resp: 102796

Ion Ratio Lower Upper

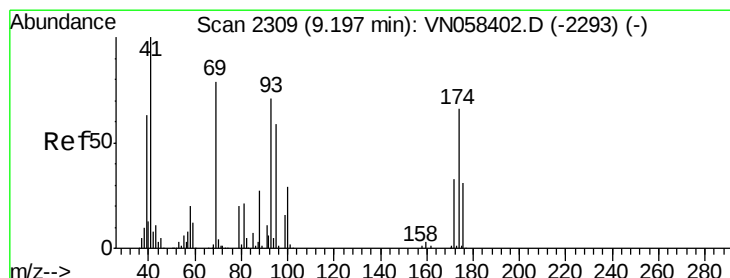
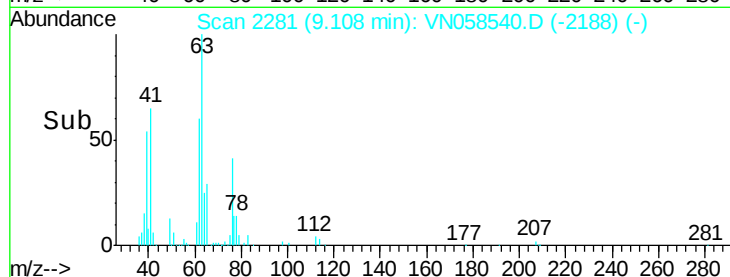
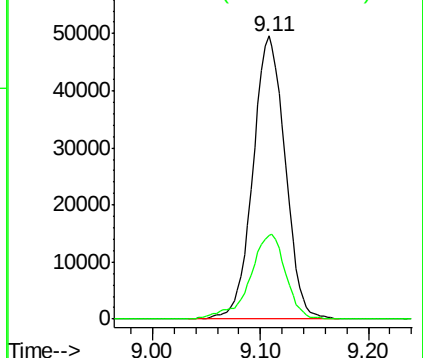
63 100

65 29.7 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 20.971 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

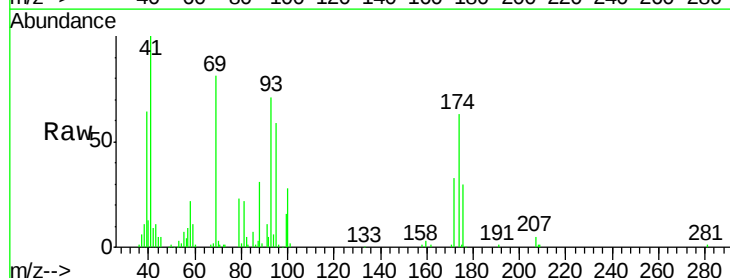
Tgt Ion: 93 Resp: 64598

Ion Ratio Lower Upper

93 100

95 83.4 67.0 100.4

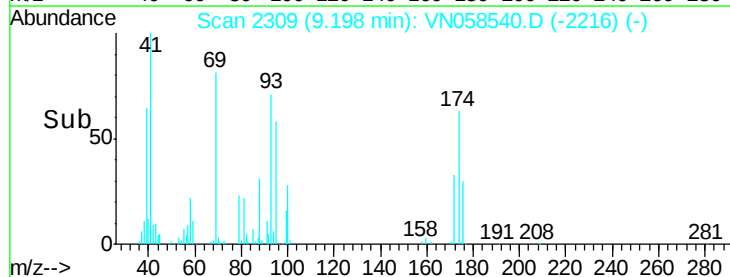
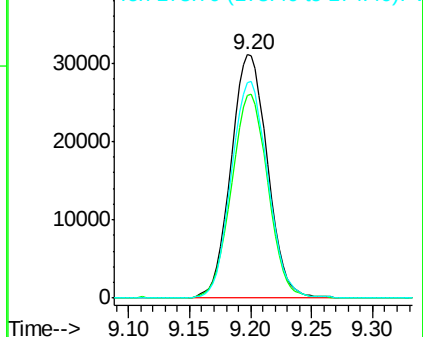
174 89.2 74.2 111.2

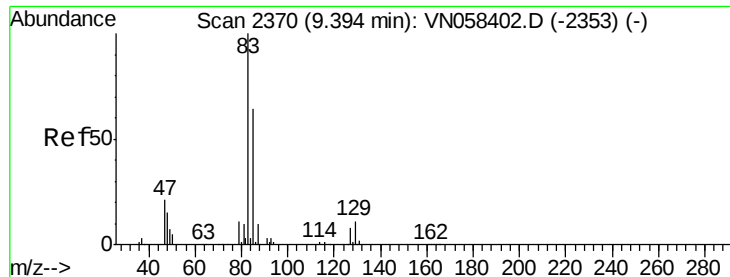


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 21.264 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

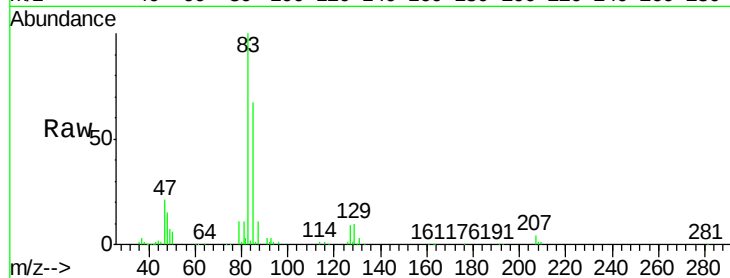
Tot Ion: 83 Resp: 124105

Ion Ratio Lower Upper

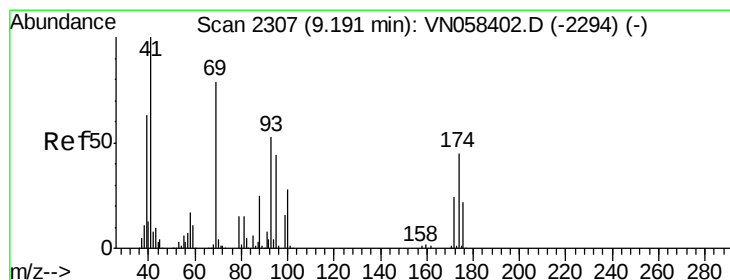
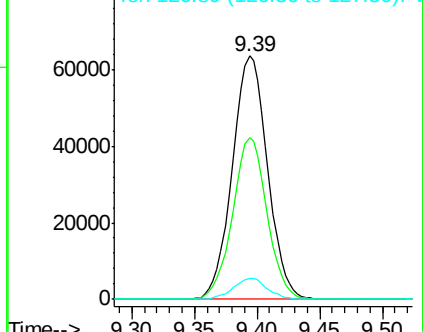
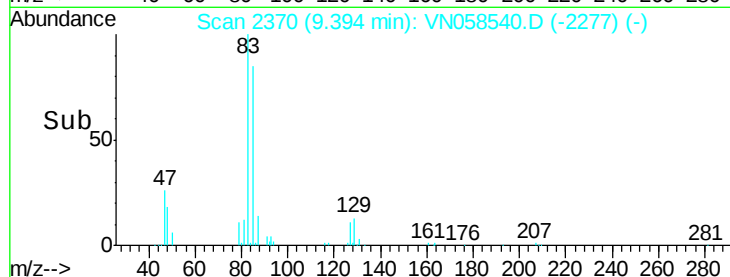
83 100

85 66.7 51.2 76.8

127 8.7 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN058540.D (-2277) (-)



#48

Methyl methacrylate

Concen: 21.391 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

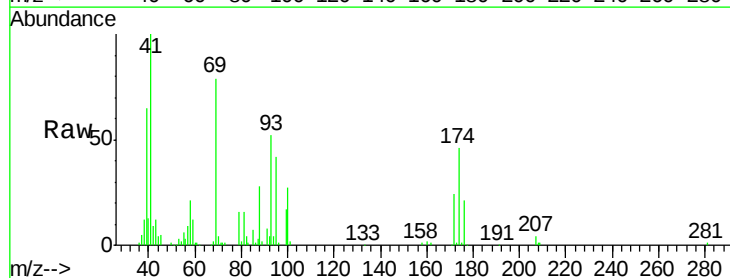
Tgt Ion: 41 Resp: 97983

Ion Ratio Lower Upper

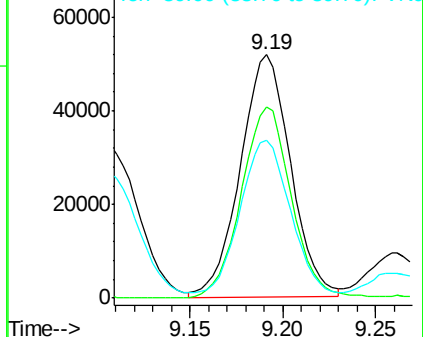
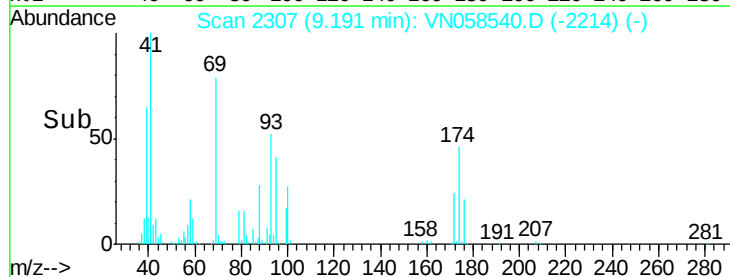
41 100

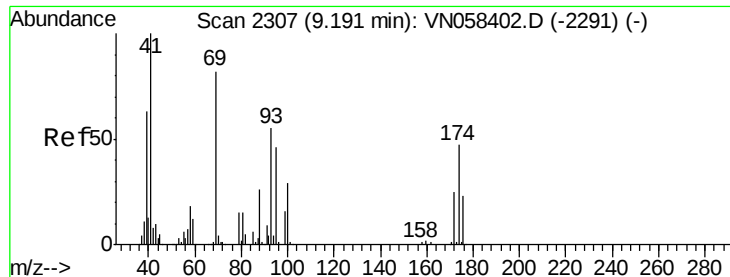
69 78.5 64.7 97.1

39 65.8 52.9 79.3



Abundance Ion 41.00 (40.70 to 41.70): VN058540.D (-2214) (-)

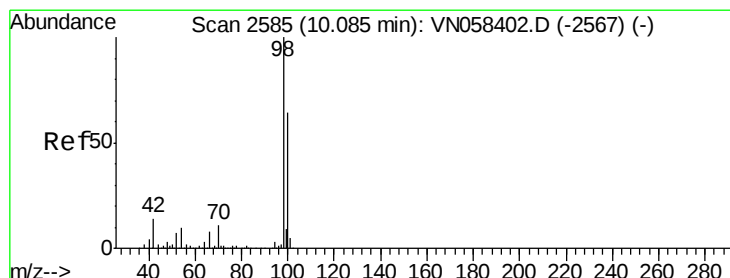
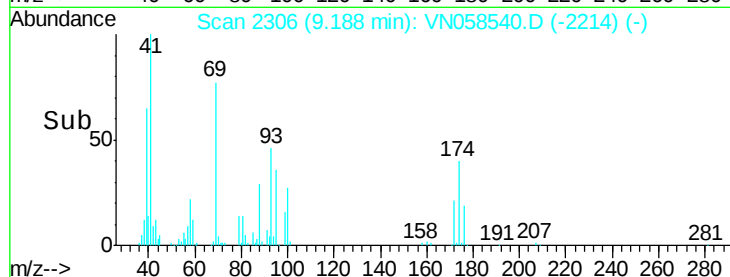
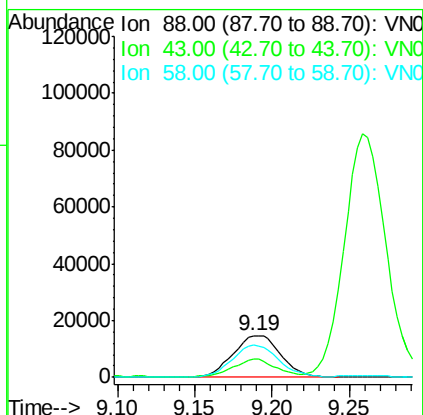
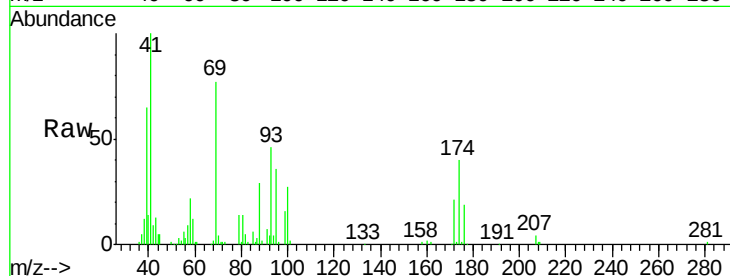




#49
1,4-Dioxane
Concen: 518.730 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

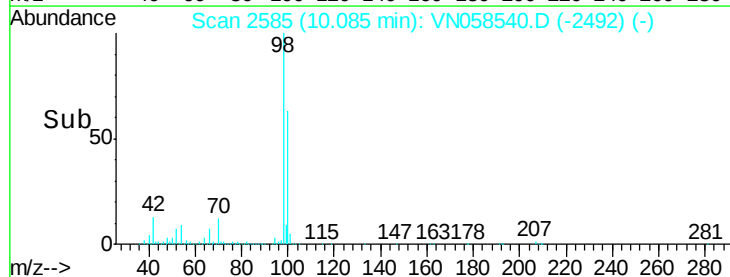
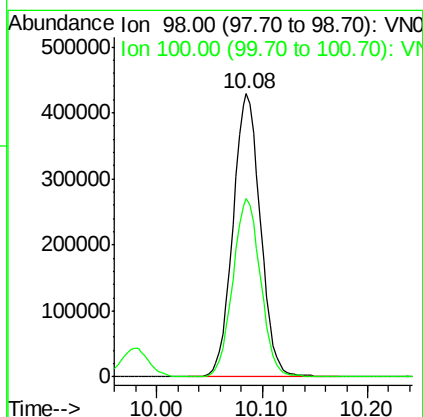
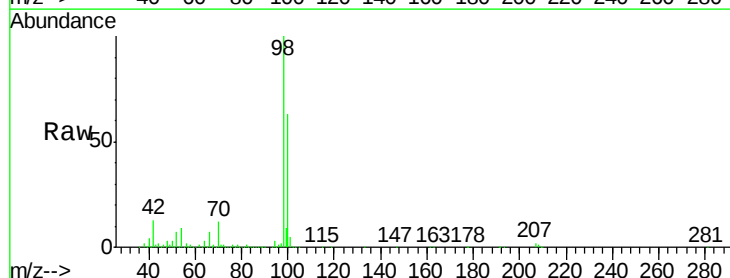
Instrument :
MSVOA_N
ClientSampleId :

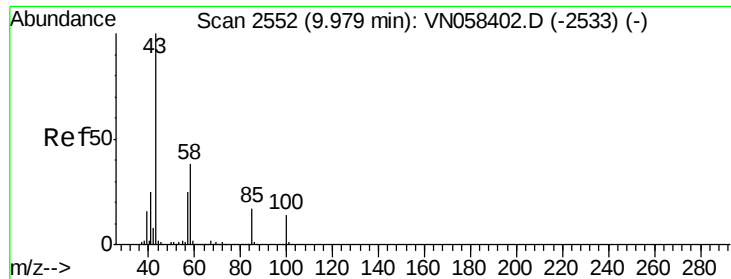
Tot Ion: 88 Resp: 31771
Ion Ratio Lower Upper
88 100
43 38.3 31.1 46.7
58 75.0 58.1 87.1



#50
Toluene-d8
Concen: 48.718 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion: 98 Resp: 771830
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 118.164 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

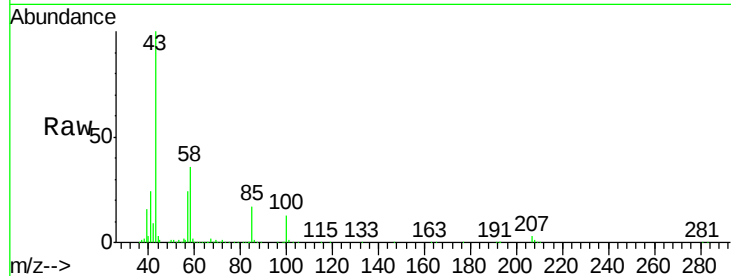
ClientSampleId :

Tot Ion: 43 Resp: 610574

Ion Ratio Lower Upper

43 100

58 36.5 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN058540.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058540.D (-2533) (-)

9.98

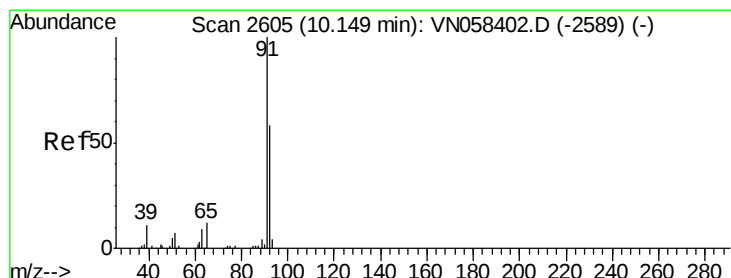
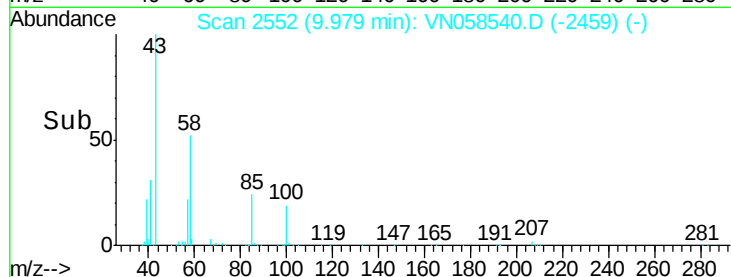
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.811 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058540.D

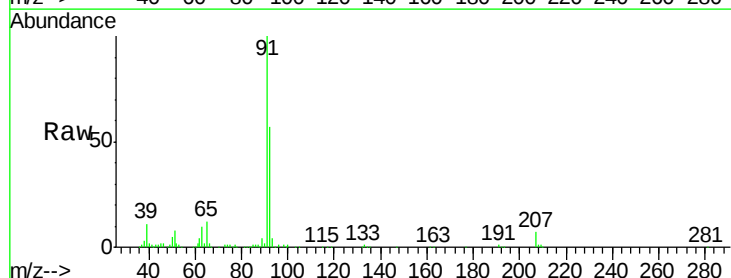
Acq: 4 Oct 2019 15:03

Tgt Ion: 92 Resp: 226160

Ion Ratio Lower Upper

92 100

91 175.3 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN058540.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058540.D (-2589) (-)

250000

200000

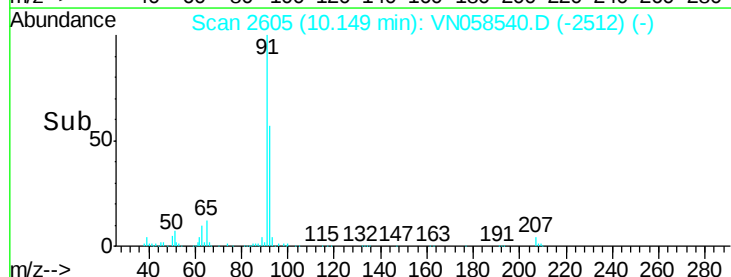
150000

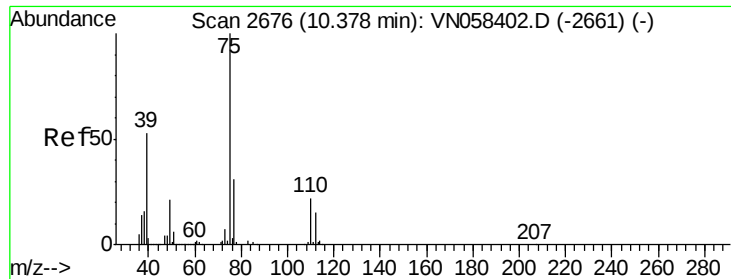
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.736 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

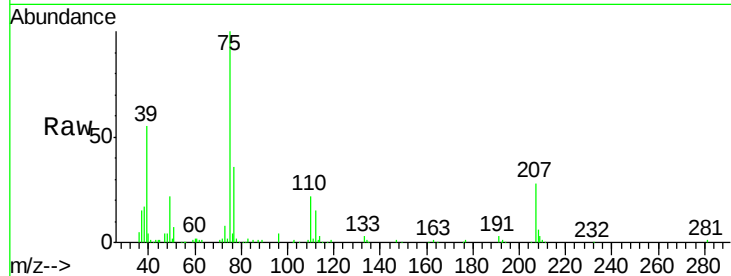
ClientSampleId :

Tot Ion: 75 Resp: 138075

Ion Ratio Lower Upper

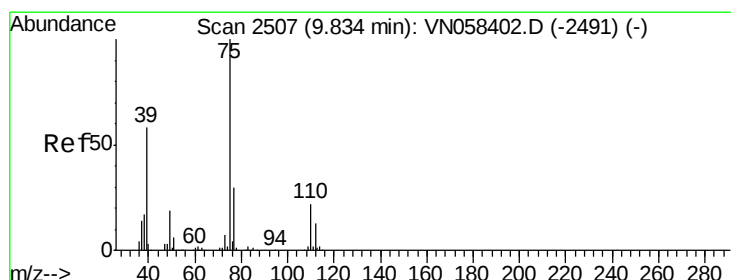
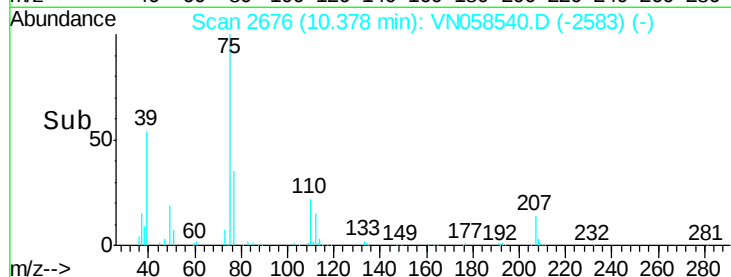
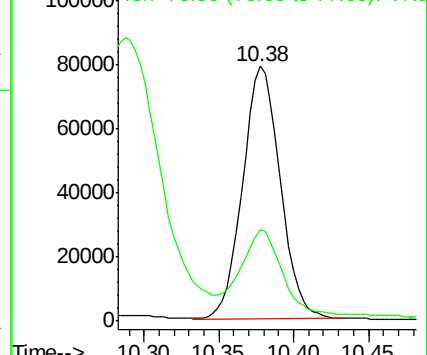
75 100

77 33.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.424 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

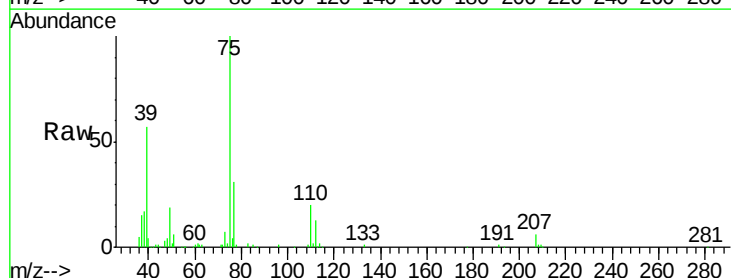
Tgt Ion: 75 Resp: 151071

Ion Ratio Lower Upper

75 100

77 31.0 24.2 36.4

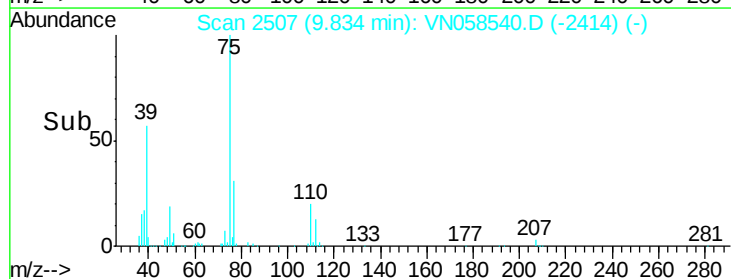
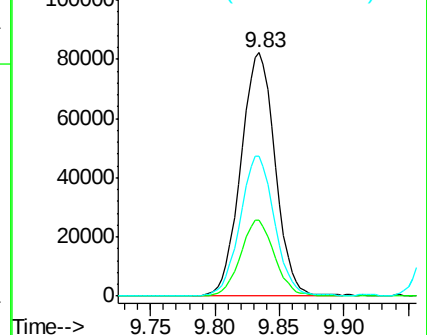
39 57.4 46.4 69.6

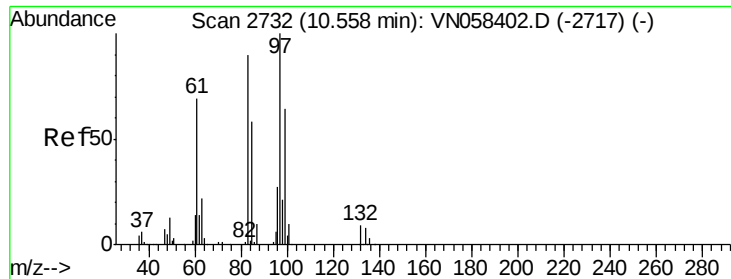


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 22.600 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058540.D

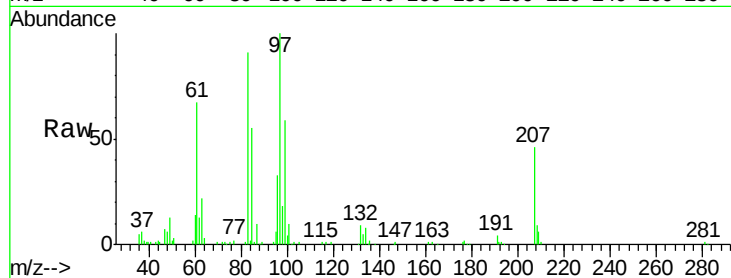
Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	97	Resp:	93941
Ion	Ratio	Lower	Upper
97	100		
83	90.5	71.8	107.6
85	55.4	46.6	69.8
99	59.1	51.5	77.3

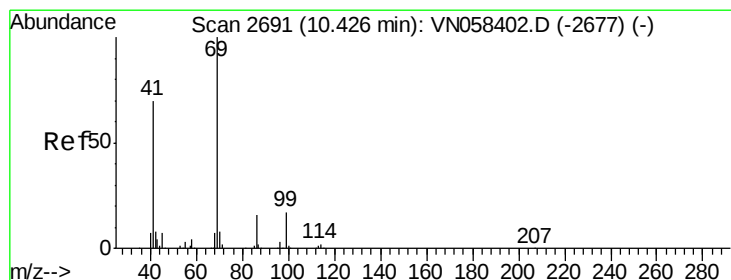
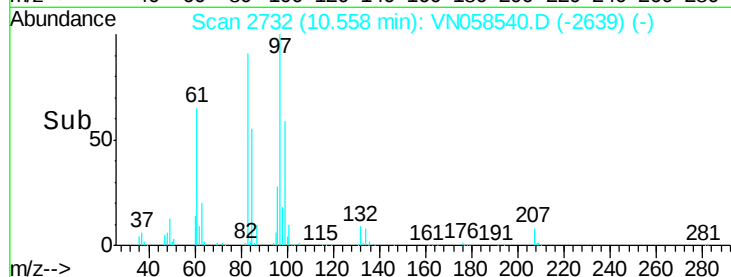
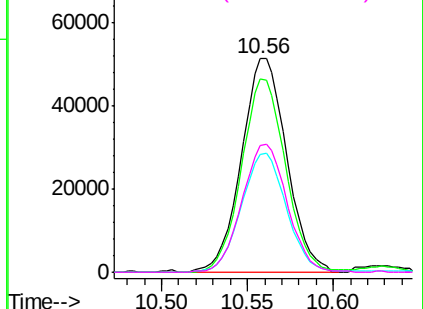


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.689 ug/l

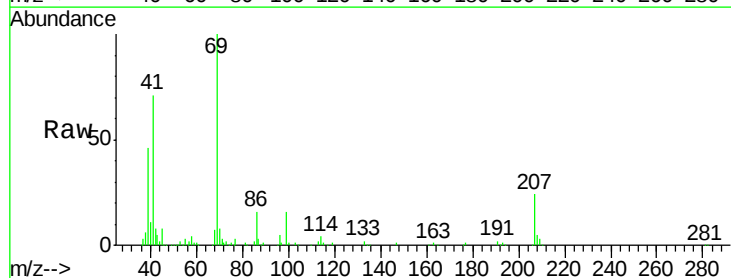
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

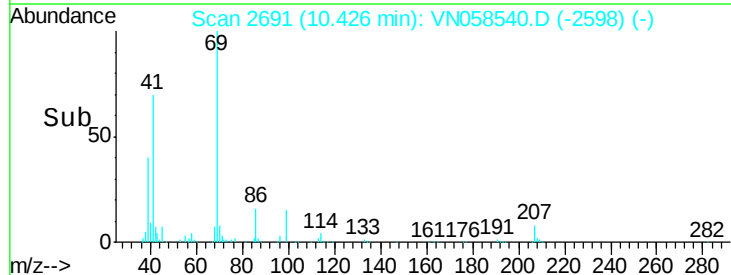
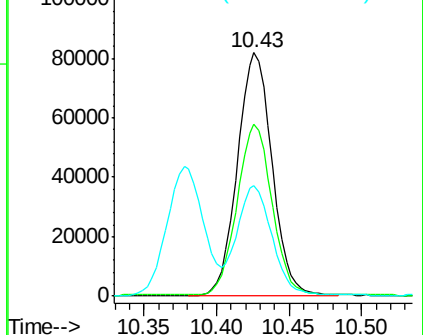
Tgt Ion:	69	Resp:	136799
Ion	Ratio	Lower	Upper
69	100		
41	69.5	56.3	84.5
39	44.8	35.8	53.6

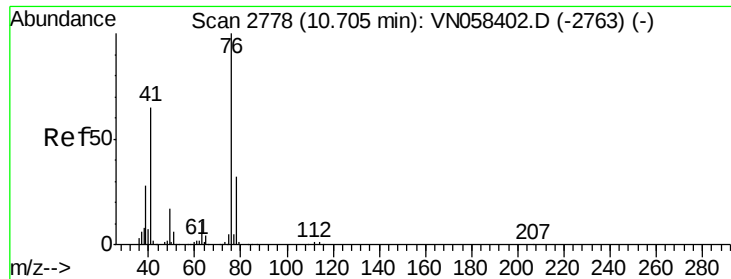


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

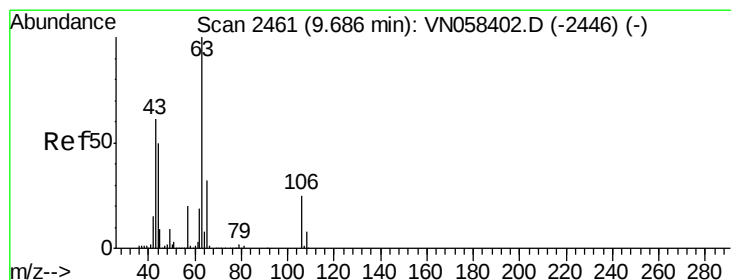
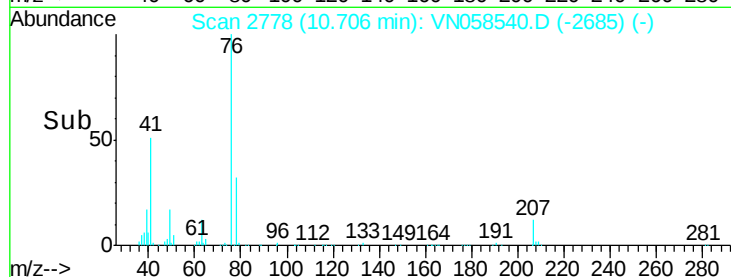
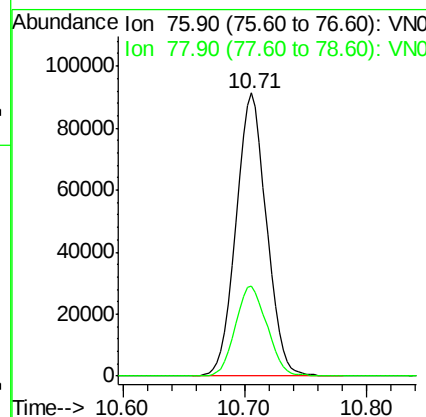
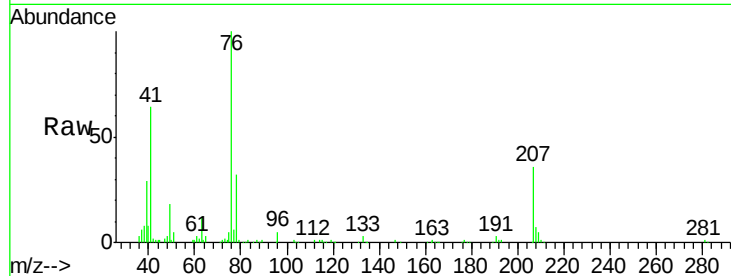




#57
 1,3-Dichloropropane
 Concen: 21.368 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

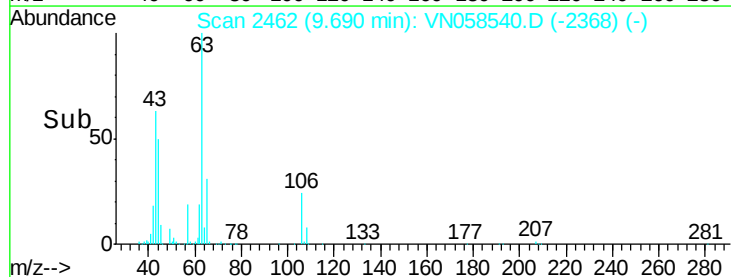
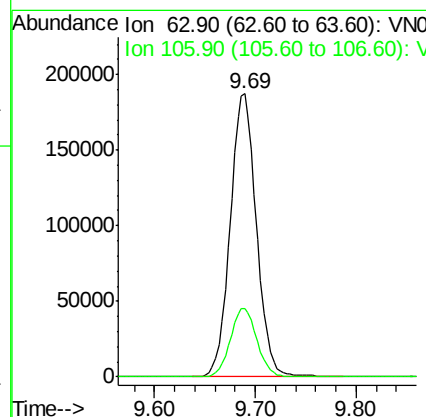
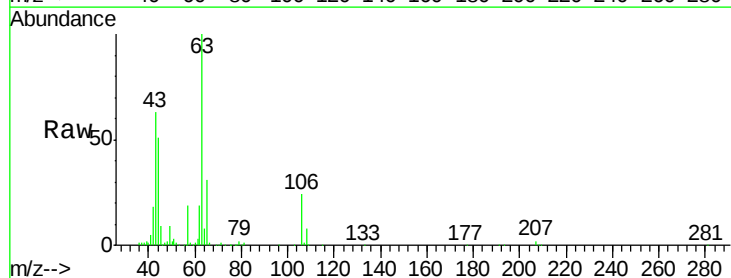
Instrument :
 MSVOA_N
 ClientSampled :

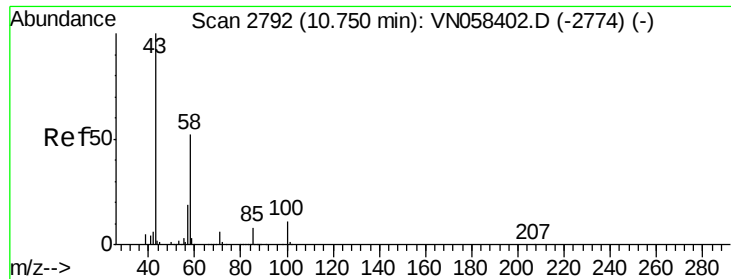
Tot Ion: 76 Resp: 158429
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 134.805 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion: 63 Resp: 339039
 Ion Ratio Lower Upper
 63 100
 106 24.5 20.3 30.5

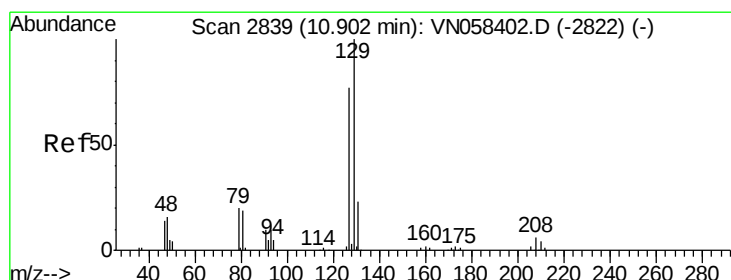
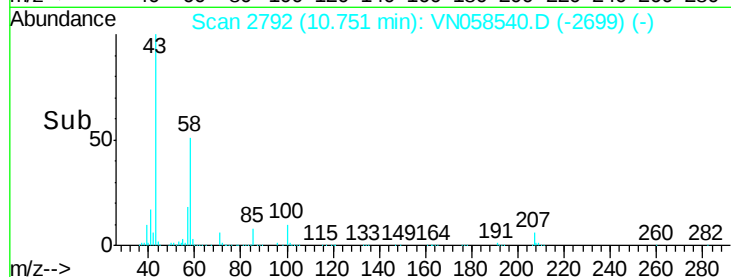
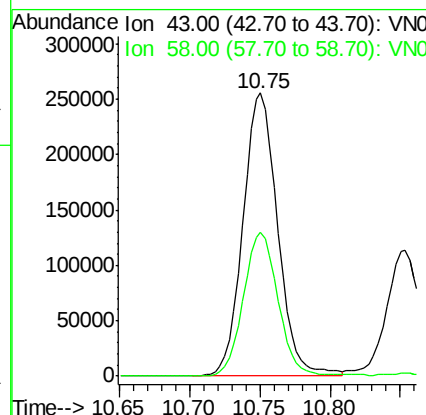
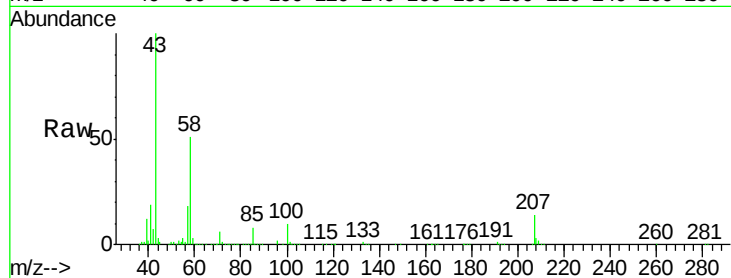




#59
2-Hexanone
Concen: 116.786 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

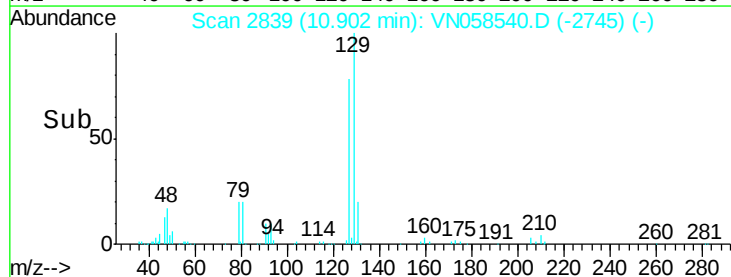
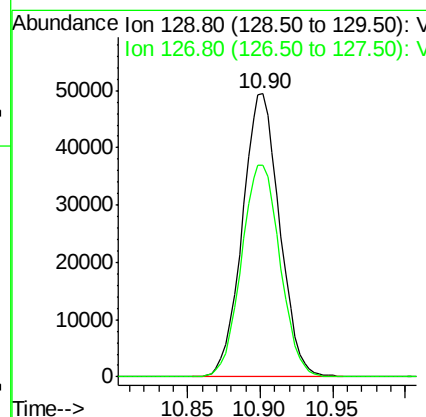
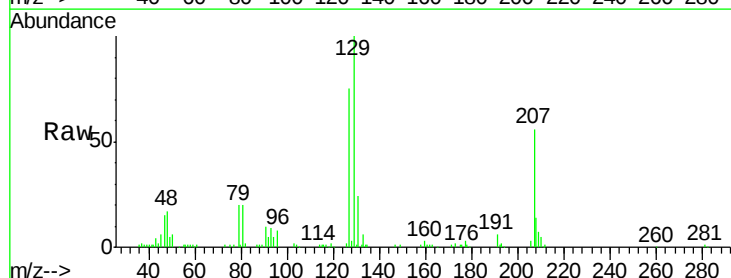
Instrument :
MSVOA_N
ClientSampled :

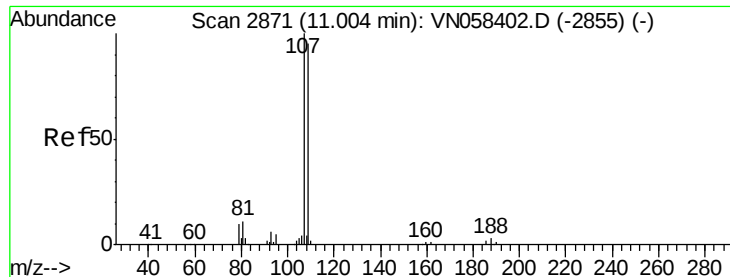
Tot Ion: 43 Resp: 439405
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.3



#60
Dibromochloromethane
Concen: 20.157 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion:129 Resp: 88183
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.8





#61

1,2-Dibromoethane

Concen: 21.229 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

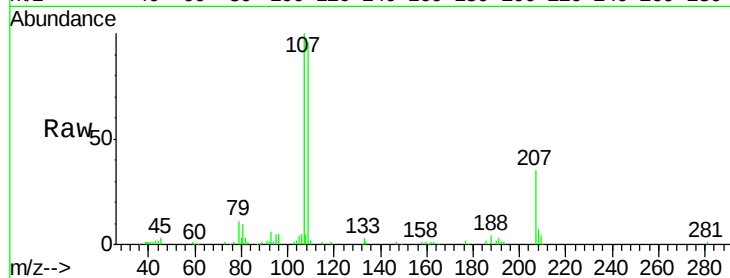
ClientSampled :

Tot Ion:107 Resp: 90163

Ion Ratio Lower Upper

107 100

109 95.7 75.3 112.9

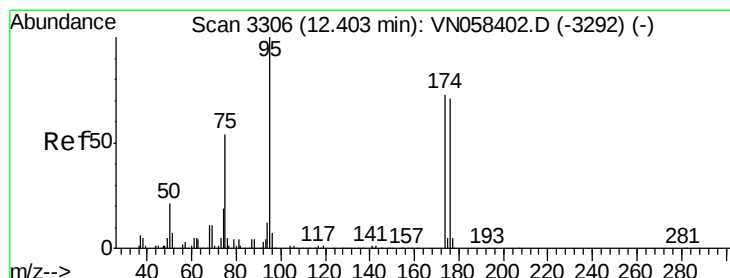
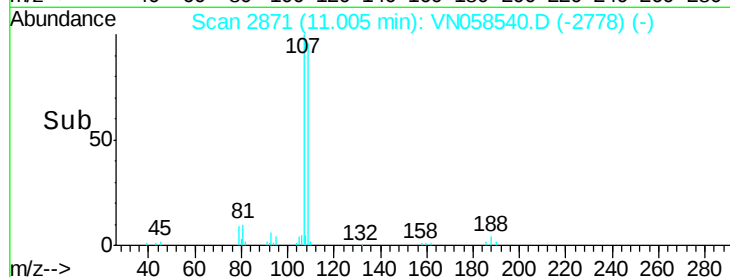


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

Time-->



#62

4-Bromofluorobenzene

Concen: 49.093 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

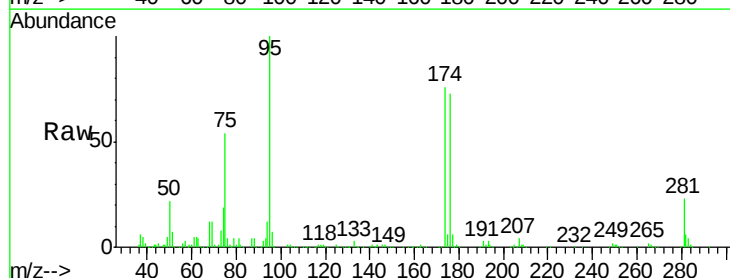
Tgt Ion: 95 Resp: 281230

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.6

176 73.7 0.0 146.2



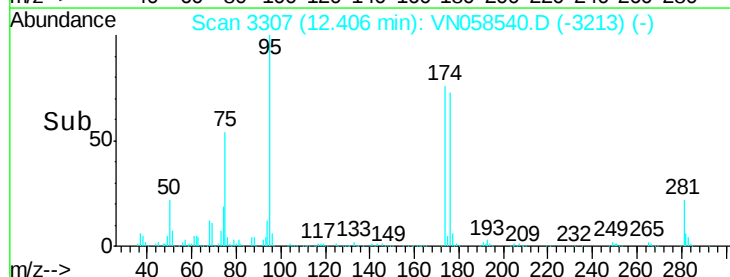
Abundance Ion 94.90 (94.60 to 95.60): V

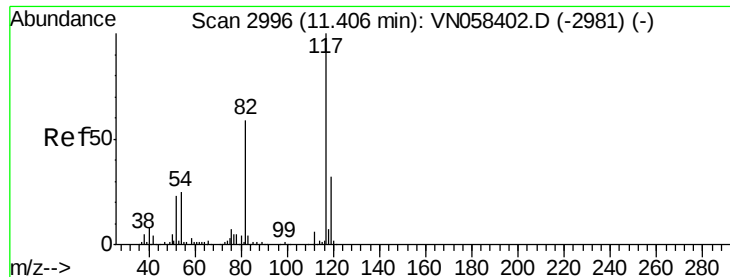
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.41

Time-->

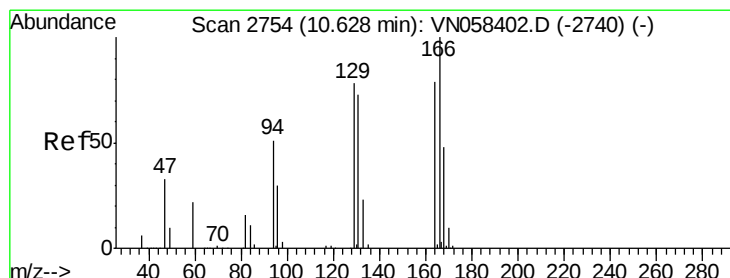
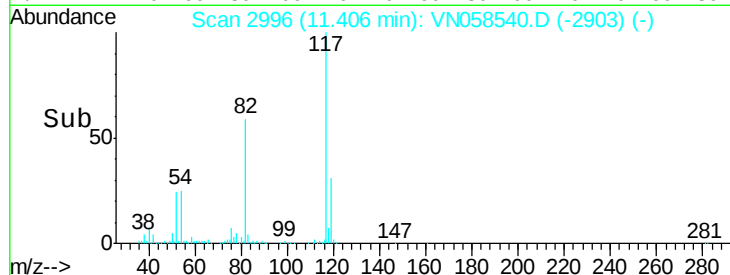
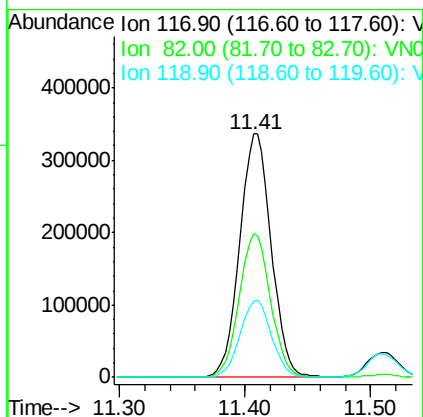
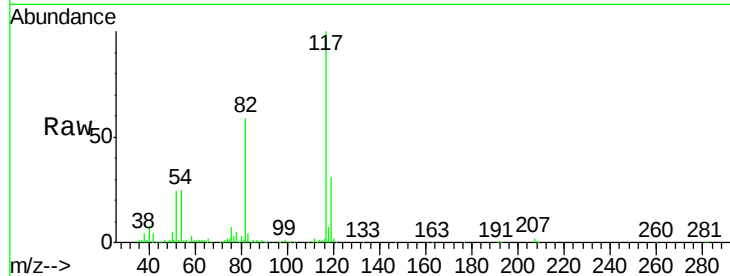




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

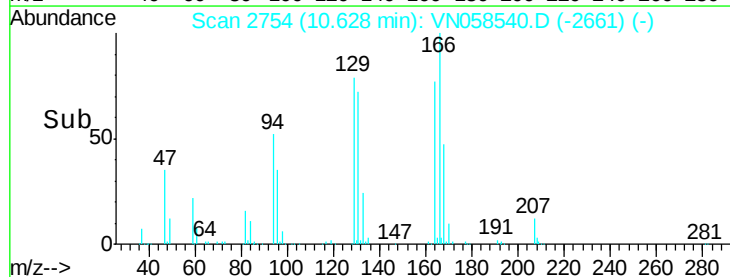
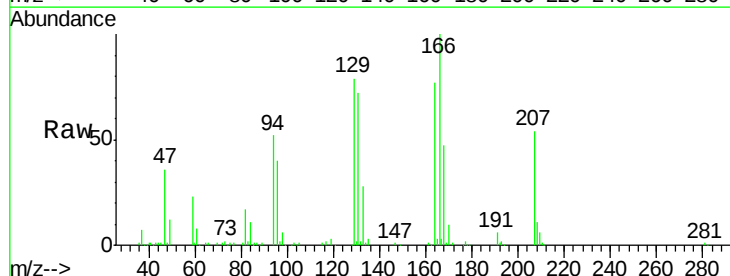
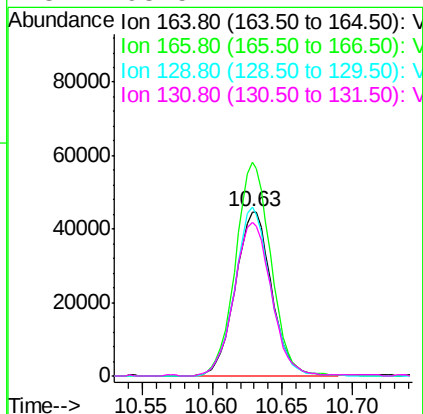
Instrument :
MSVOA_N
ClientSampleId :

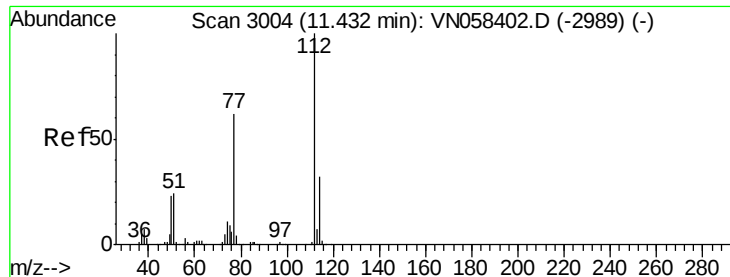
Tot Ion:117 Resp: 588032
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.0
119 31.4 25.5 38.3



#64
Tetrachloroethene
Concen: 21.625 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion:164 Resp: 80791
Ion Ratio Lower Upper
164 100
166 129.8 101.1 151.7
129 102.4 79.2 118.8
131 93.5 74.1 111.1





#65

Chlorobenzene

Concen: 20.712 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

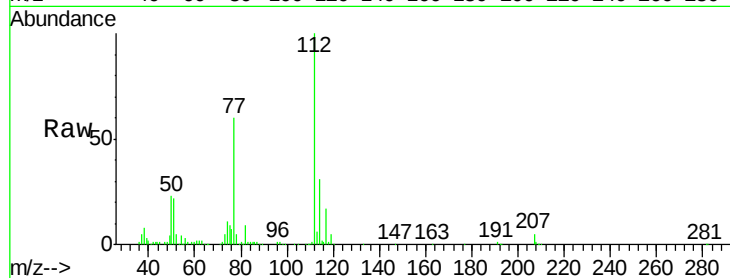
ClientSampled :

Tot Ion:112 Resp: 242092

Ion Ratio Lower Upper

112 100

114 30.5 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

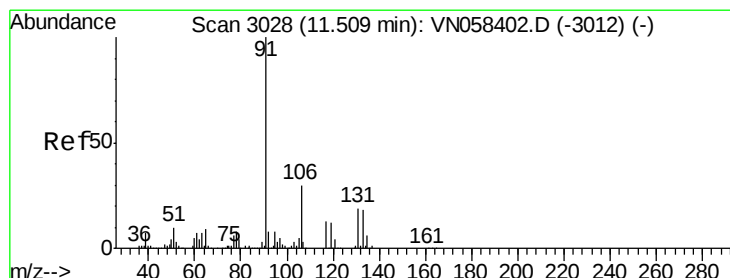
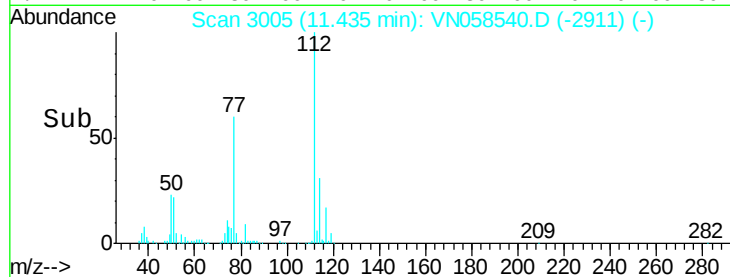
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.307 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

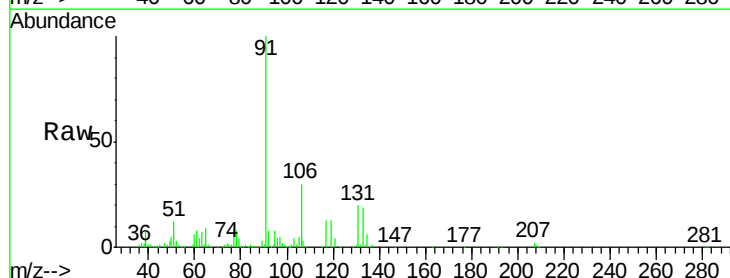
Tgt Ion:131 Resp: 87851

Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.3

119 64.6 33.0 99.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

120000

100000

80000

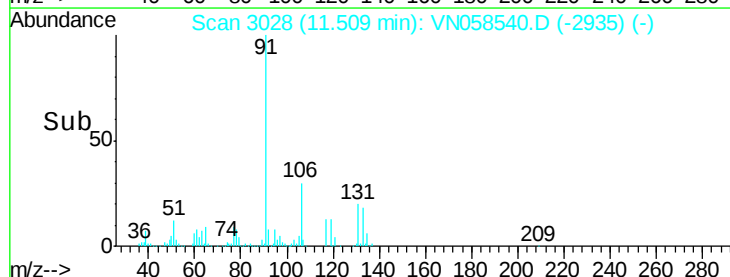
60000

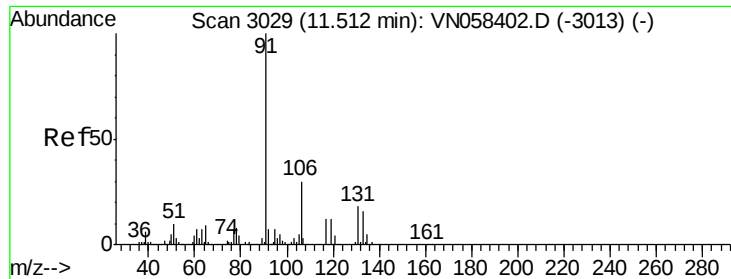
40000

20000

0

Time-->

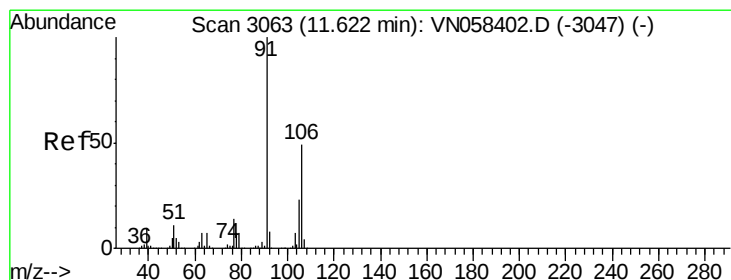
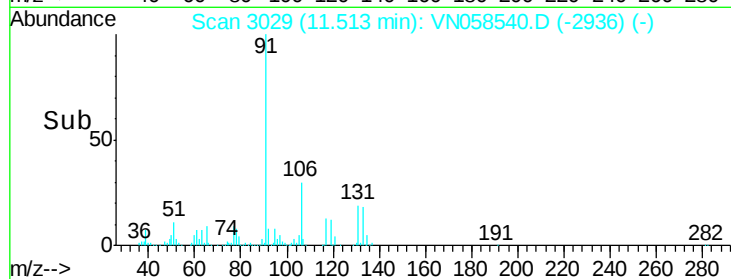
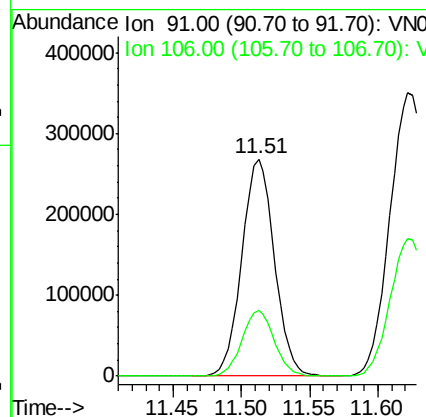
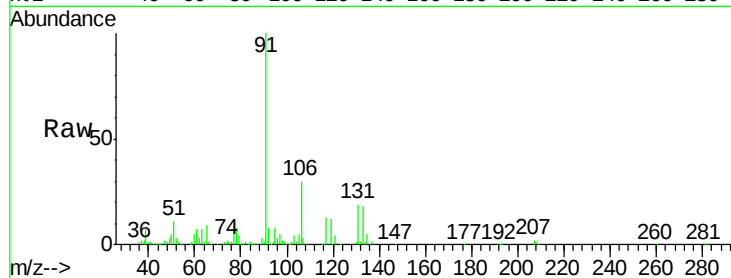




#67
Ethyl Benzene
Concen: 21.044 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

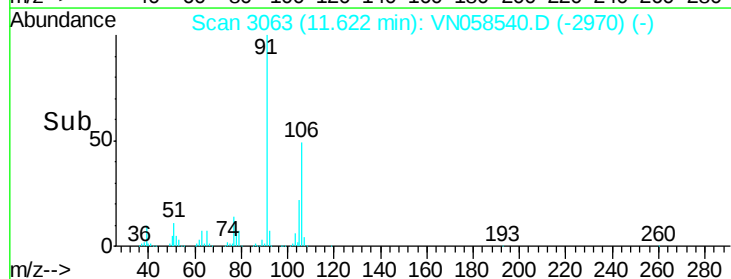
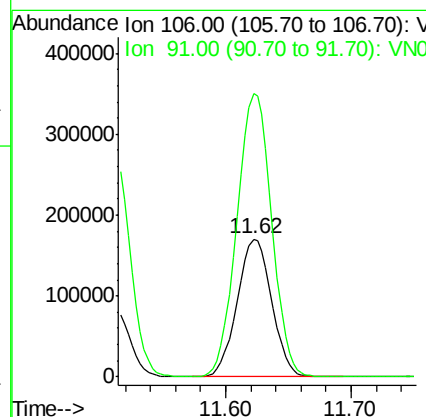
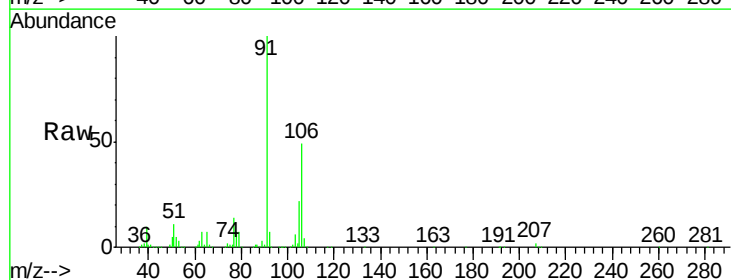
Instrument :
MSVOA_N
ClientSampled :

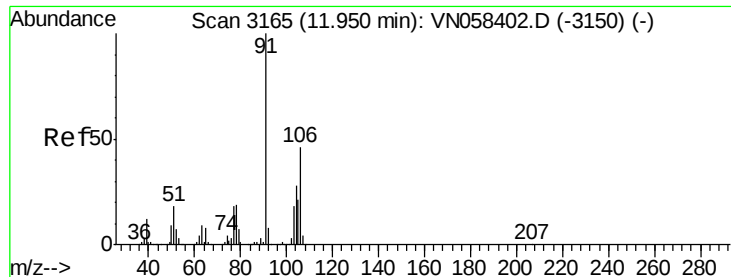
Tot Ion: 91 Resp: 445546
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5



#68
m/p-Xylenes
Concen: 40.826 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion: 106 Resp: 325202
Ion Ratio Lower Upper
106 100
91 207.2 165.0 247.4

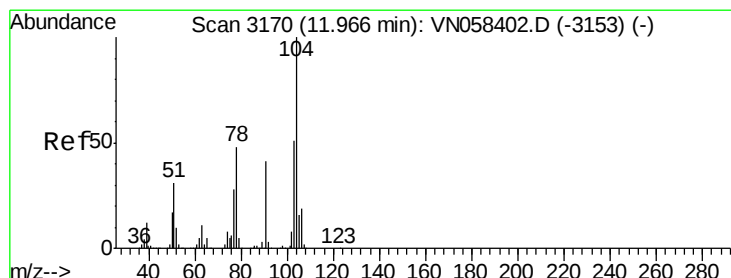
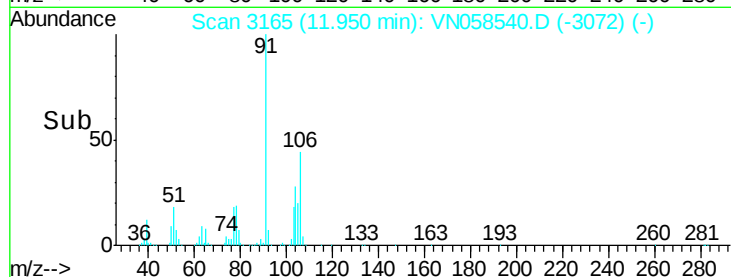
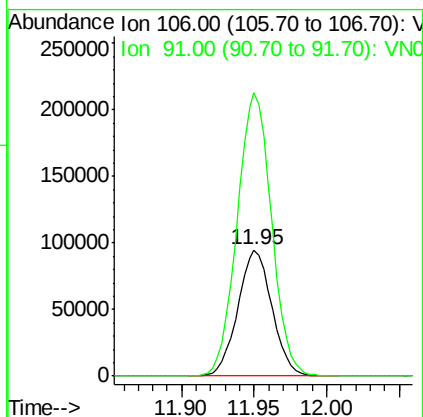
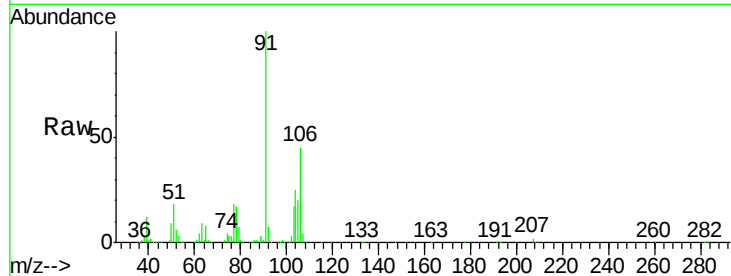




#69
o-Xylene
Concen: 20.195 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

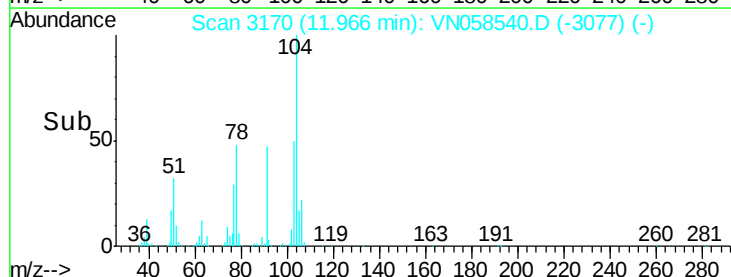
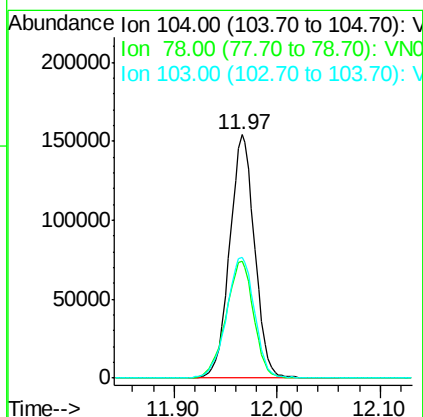
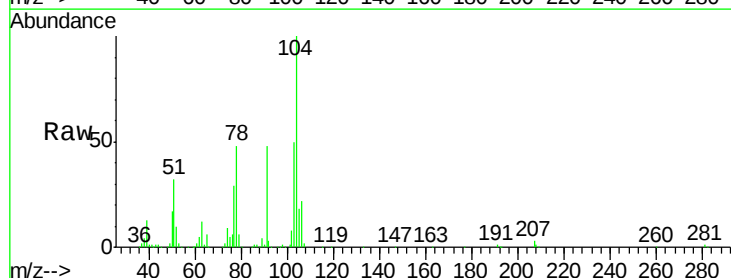
Instrument :
MSVOA_N
ClientSampled :

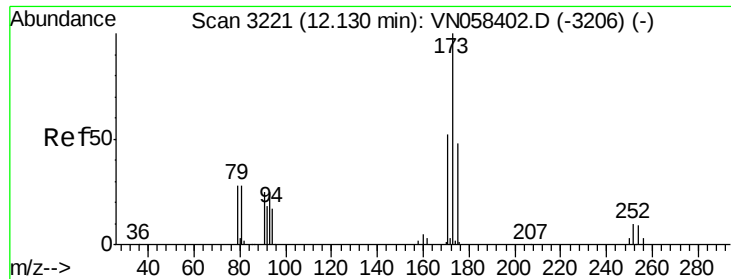
Tot Ion:106 Resp: 154854
Ion Ratio Lower Upper
106 100
91 226.4 109.1 327.4



#70
Styrene
Concen: 20.888 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion:104 Resp: 260205
Ion Ratio Lower Upper
104 100
78 53.4 42.8 64.2
103 55.8 43.7 65.5

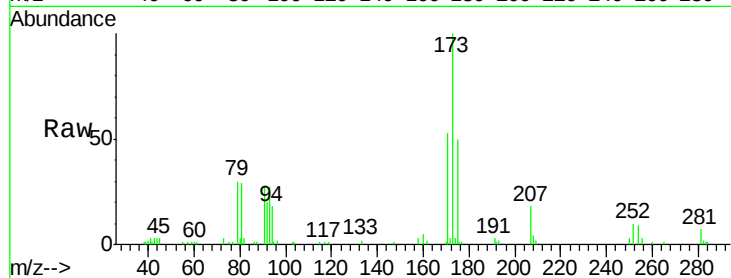




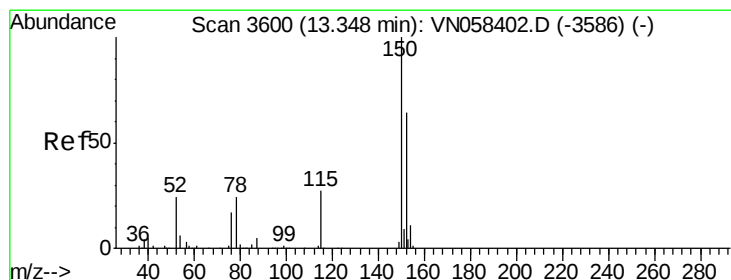
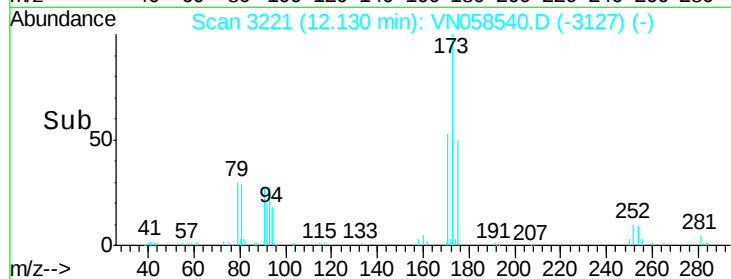
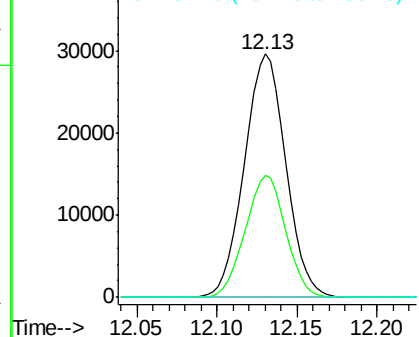
#71
Bromoform
Concen: 19.614 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 52216
Ion Ratio Lower Upper
173 100
175 48.6 24.3 73.0
254 0.0 0.1 0.1#

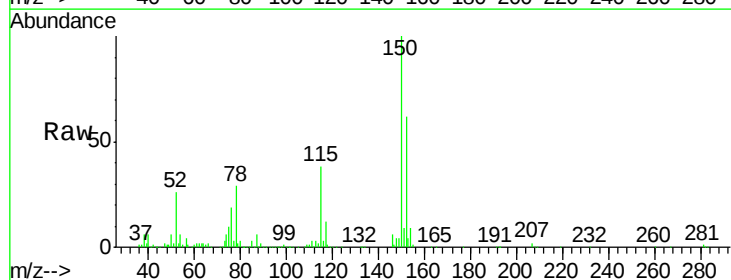


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

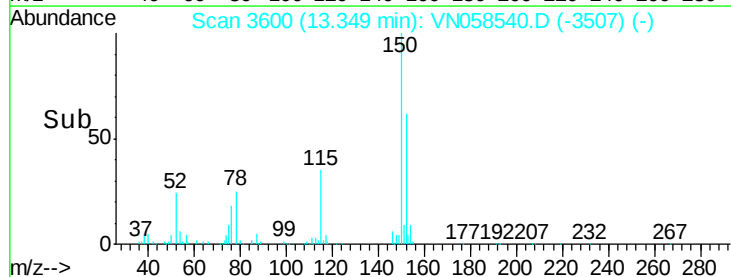
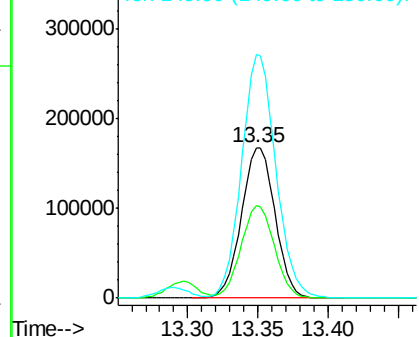


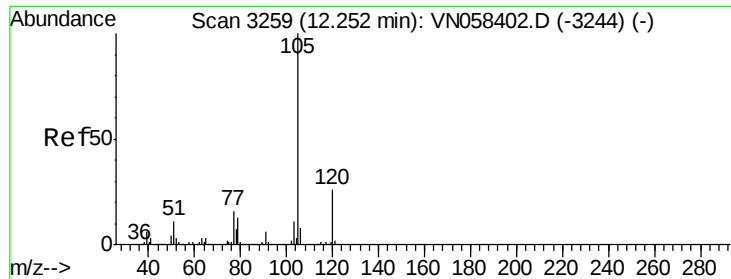
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion:152 Resp: 279676
Ion Ratio Lower Upper
152 100
115 61.1 30.0 90.0
150 165.3 0.0 348.2



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





#73

Isopropylbenzene

Concen: 20.649 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

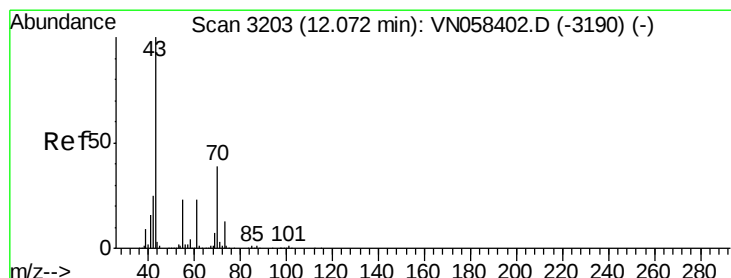
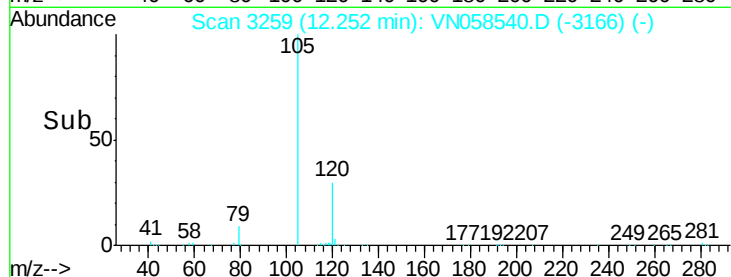
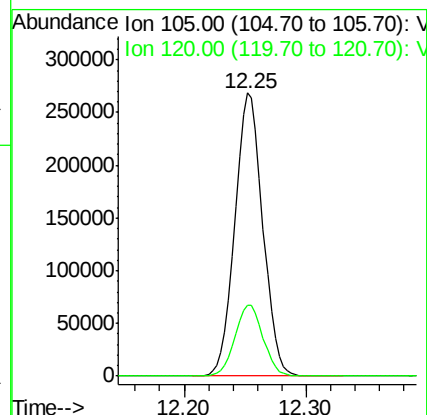
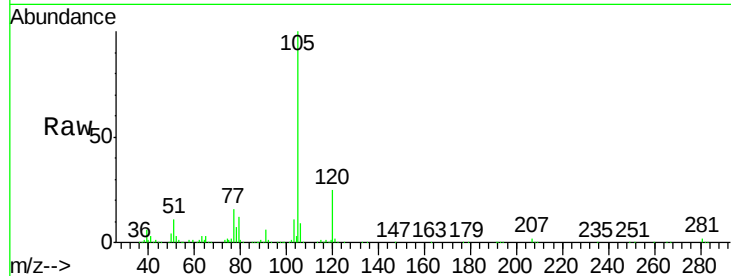
ClientSampleId :

Tot Ion:105 Resp: 426782

Ion Ratio Lower Upper

105 100

120 25.3 12.8 38.4



#74

N-ethyl acetate

Concen: 22.259 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Tgt Ion: 43 Resp: 183031

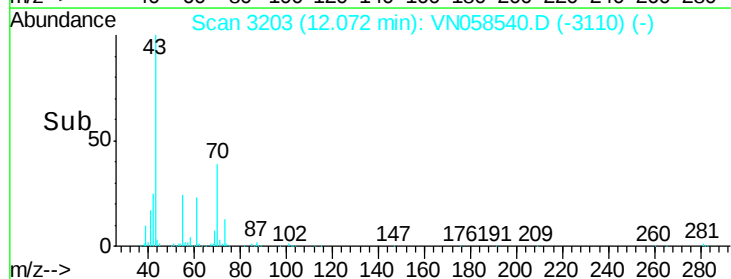
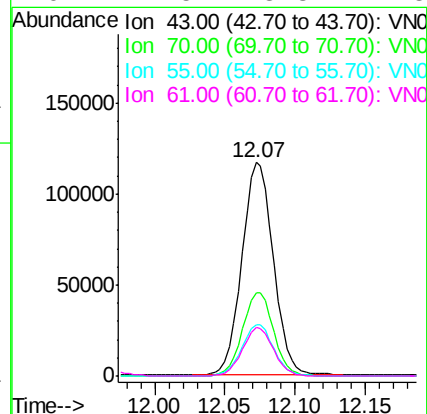
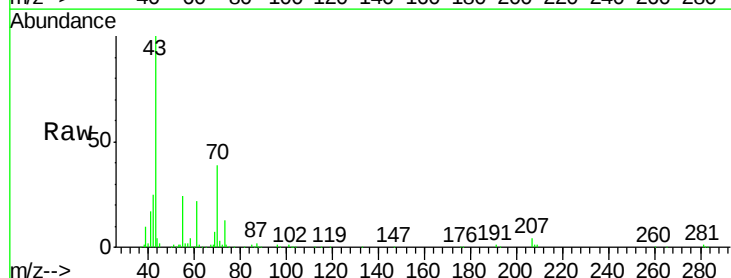
Ion Ratio Lower Upper

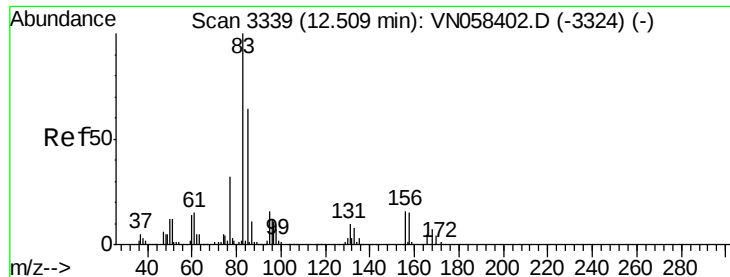
43 100

70 38.9 31.4 47.2

55 24.7 18.2 27.4

61 22.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.714 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

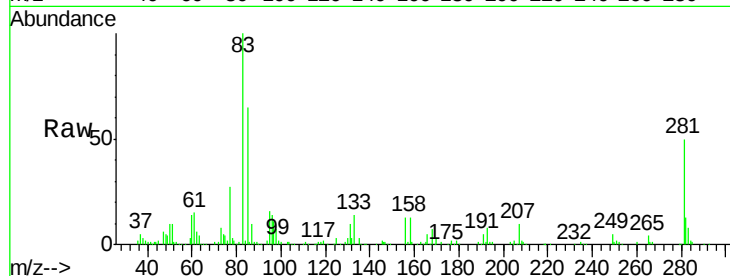
Tot Ion: 83 Resp: 132712

Ion Ratio Lower Upper

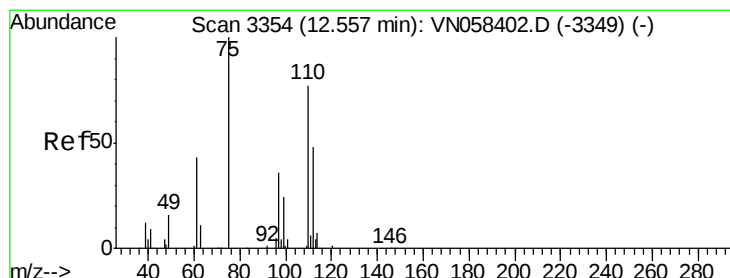
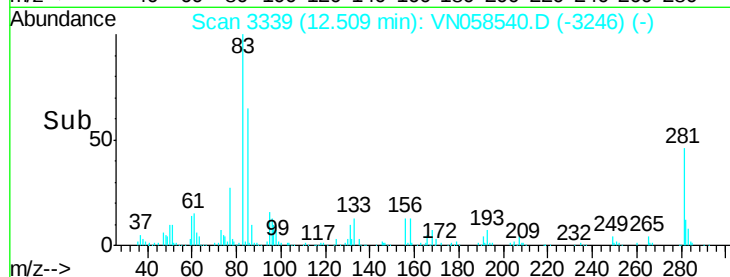
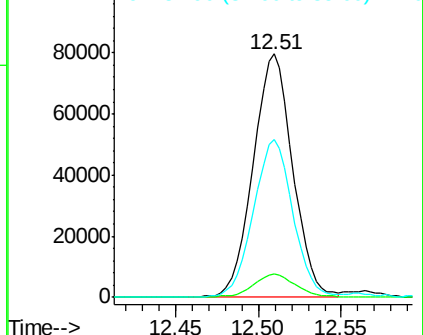
83 100

131 10.4 4.9 14.7

85 64.8 32.0 96.0



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: 33.517 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058540.D

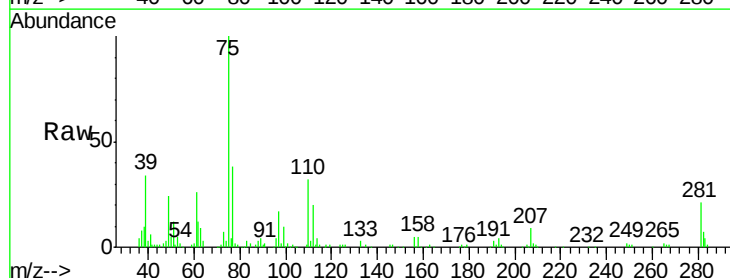
Acq: 4 Oct 2019 15:03

Tgt Ion: 75 Resp: 171213

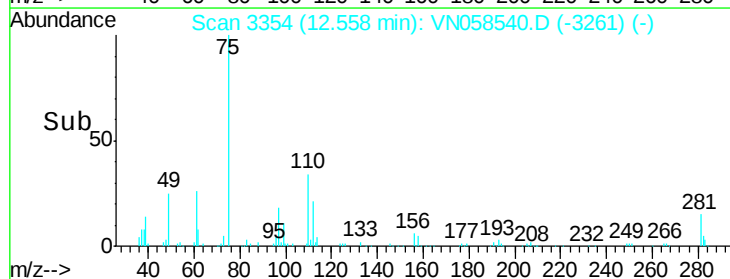
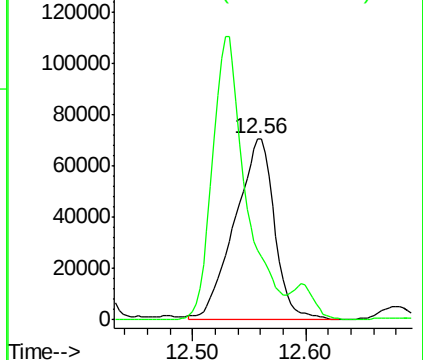
Ion Ratio Lower Upper

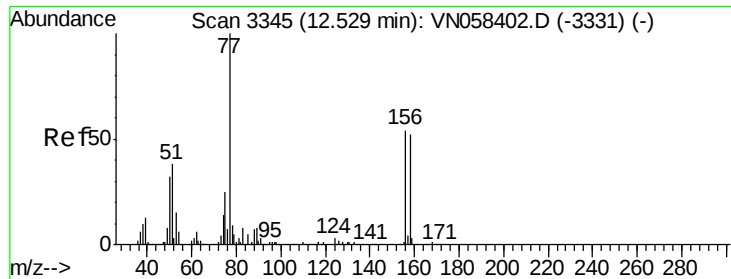
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.460 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

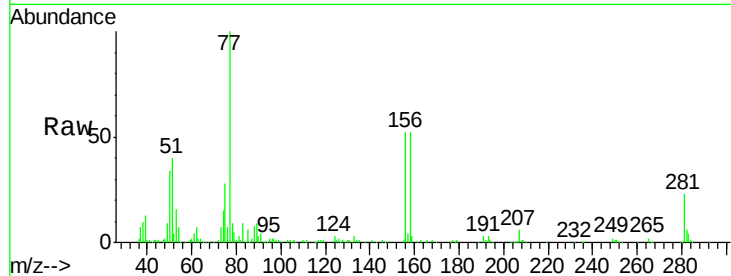
Tot Ion:156 Resp: 99157

Ion Ratio Lower Upper

156 100

77 229.2 110.0 330.0

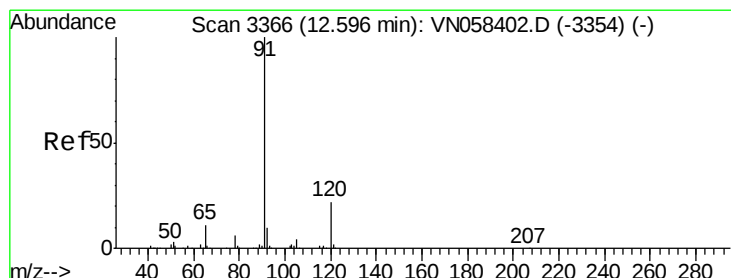
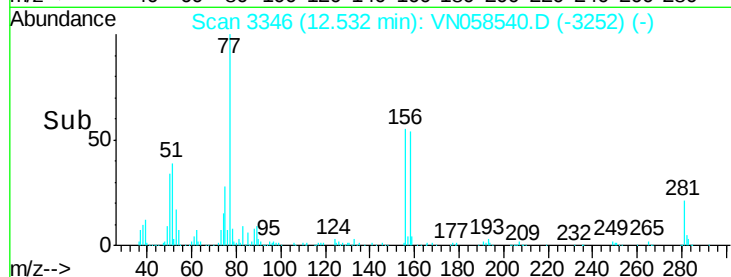
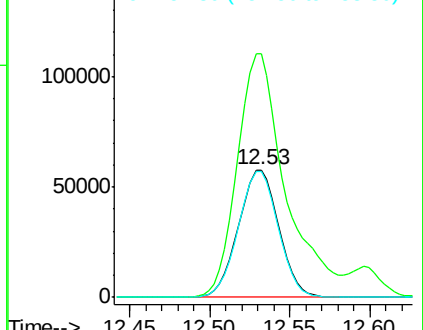
158 98.1 47.9 143.8



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: 21.491 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058540.D

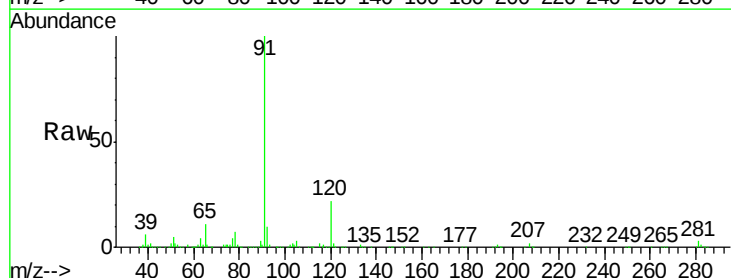
Acq: 4 Oct 2019 15:03

Tgt Ion: 91 Resp: 500435

Ion Ratio Lower Upper

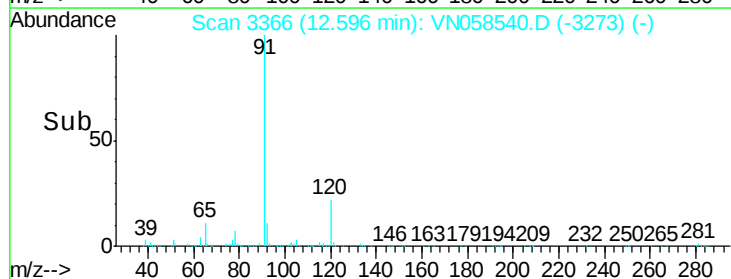
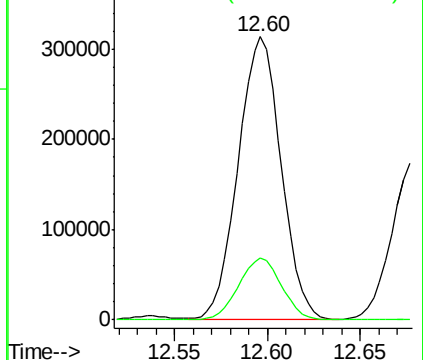
91 100

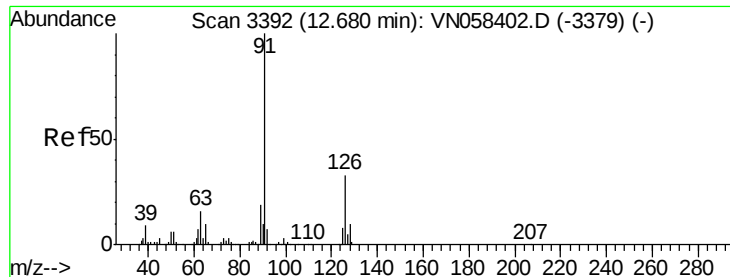
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.574 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

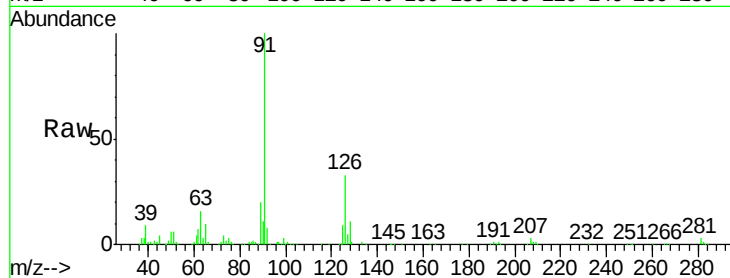
ClientSampleId :

Tot Ion: 91 Resp: 295706

Ion Ratio Lower Upper

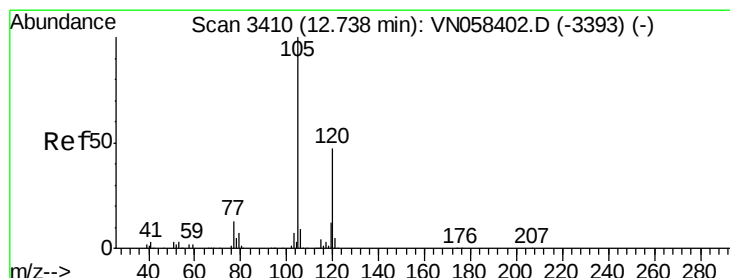
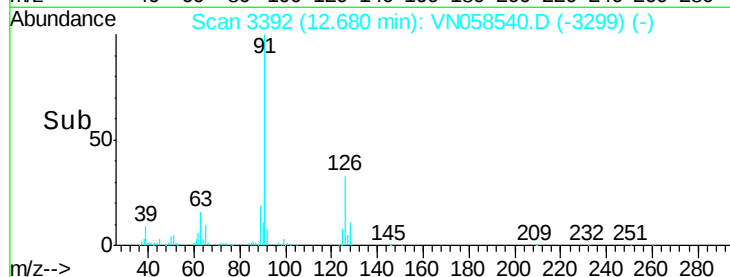
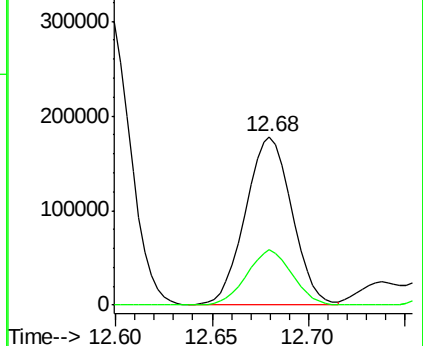
91 100

126 32.3 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058540.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN058540.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.805 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058540.D

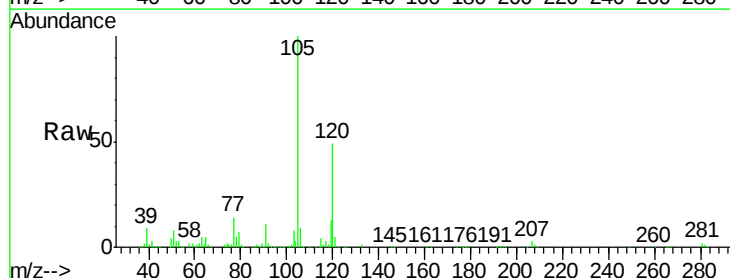
Acq: 4 Oct 2019 15:03

Tgt Ion: 105 Resp: 359964

Ion Ratio Lower Upper

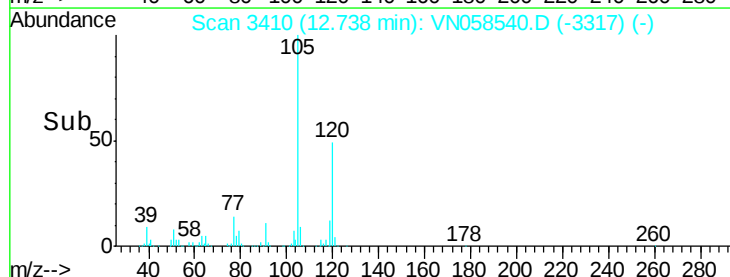
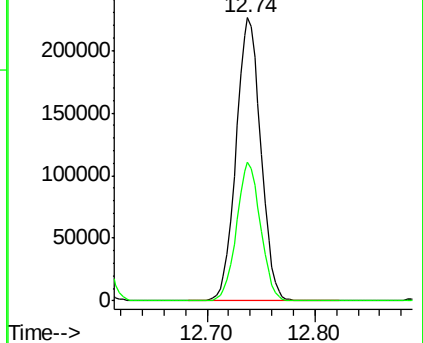
105 100

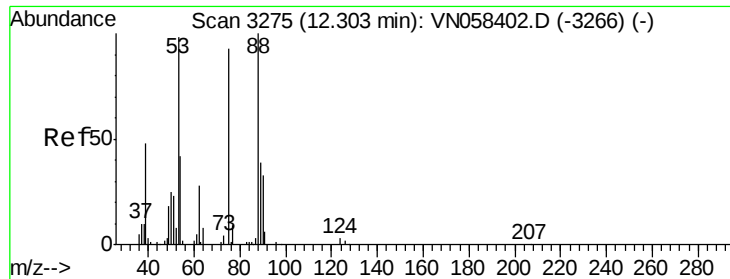
120 47.5 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058540.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058540.D (-3410) (-)

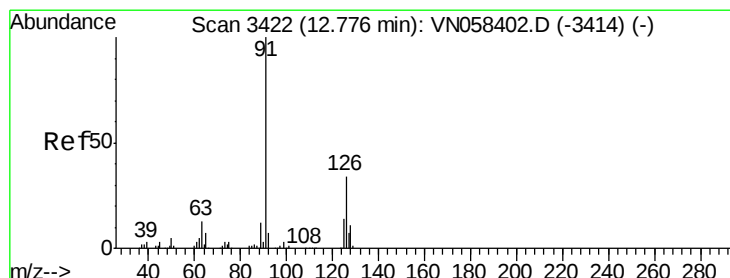
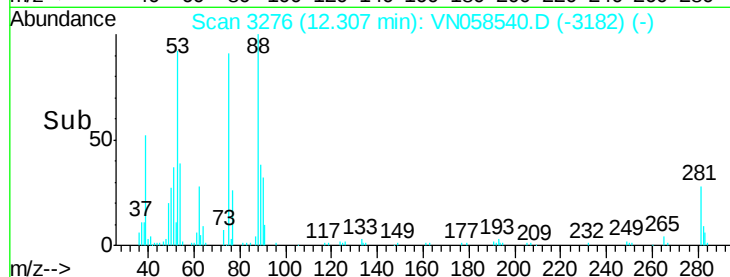
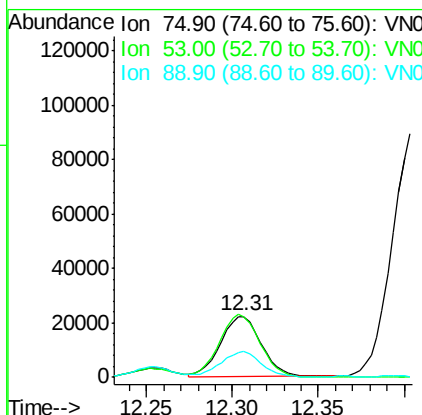
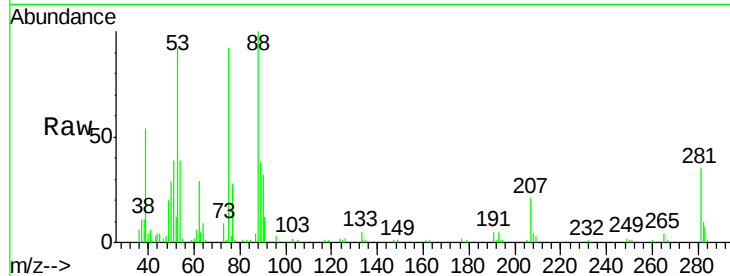




#81
trans-1,4-Dichloro-2-butene
Concen: 21.237 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

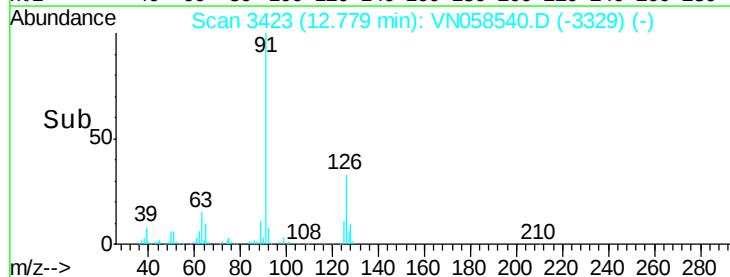
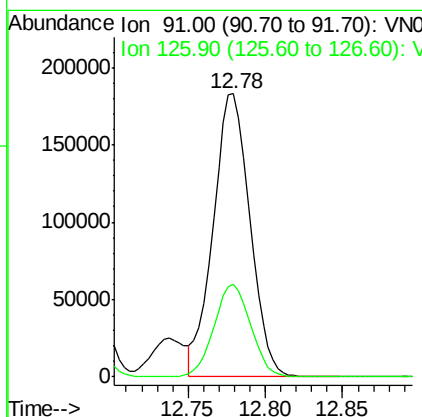
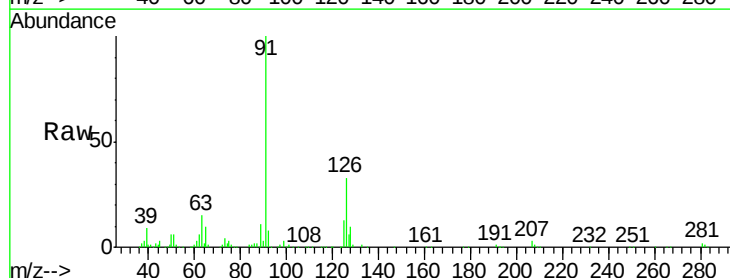
Instrument :
MSVOA_N
ClientSampleId :

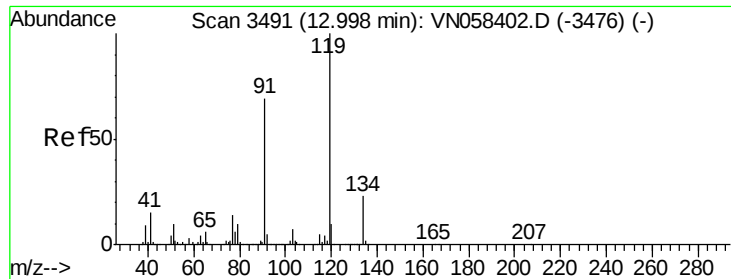
Tot Ion: 75 Resp: 35719
Ion Ratio Lower Upper
75 100
53 107.4 85.4 128.0
89 41.6 35.0 52.4



#82
4-Chlorotoluene
Concen: 20.580 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058540.D
Acq: 4 Oct 2019 15:03

Tgt Ion: 91 Resp: 301830
Ion Ratio Lower Upper
91 100
126 32.8 15.9 47.7

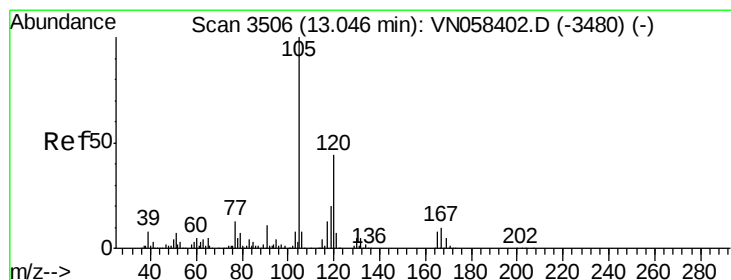
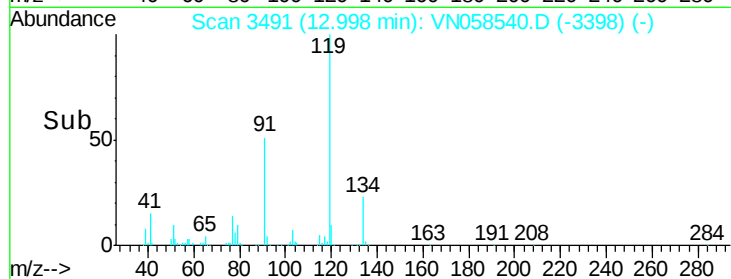
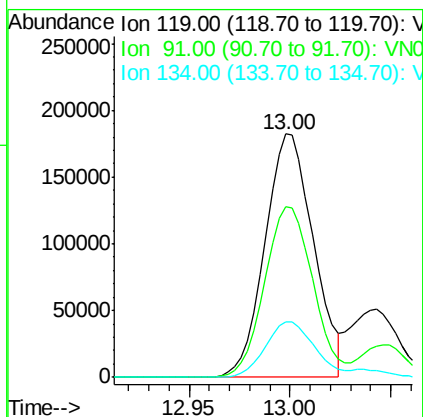
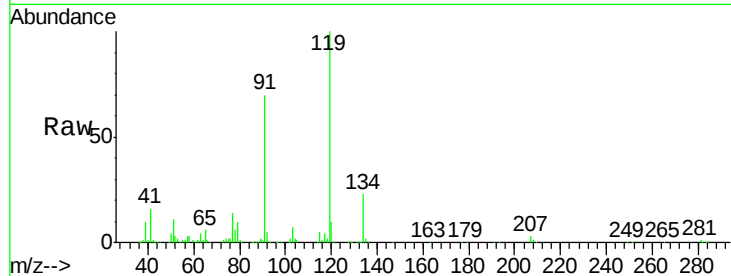




#83
 tert-Butylbenzene
 Concen: 20.737 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

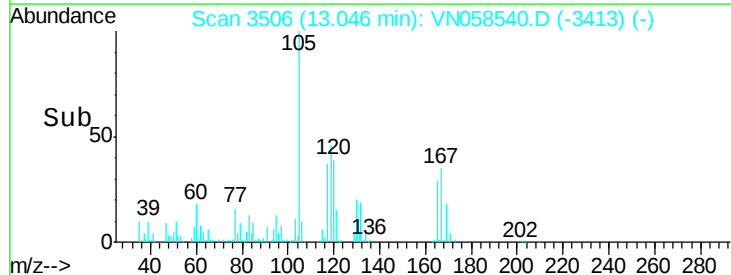
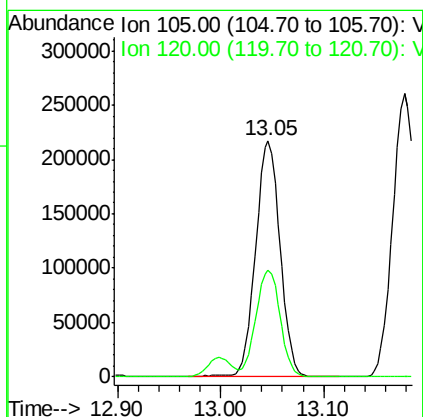
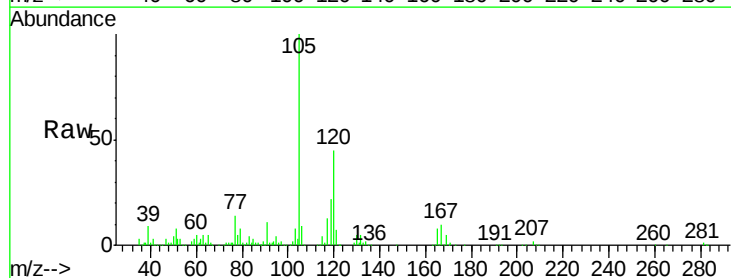
Instrument :
 MSVOA_N
 ClientSampled :

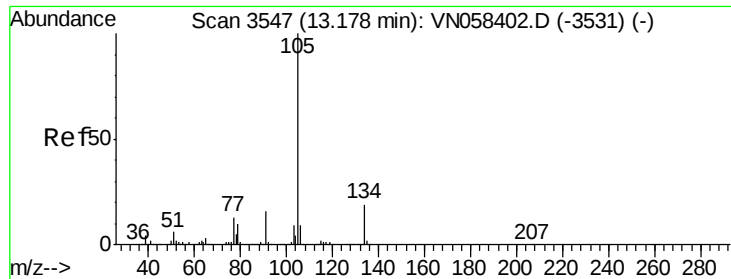
Tot Ion:119 Resp: 302757
 Ion Ratio Lower Upper
 119 100
 91 70.2 34.2 102.6
 134 23.5 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.599 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion:105 Resp: 357078
 Ion Ratio Lower Upper
 105 100
 120 45.0 21.7 65.1





#85

sec-Butylbenzene

Concen: 21.436 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

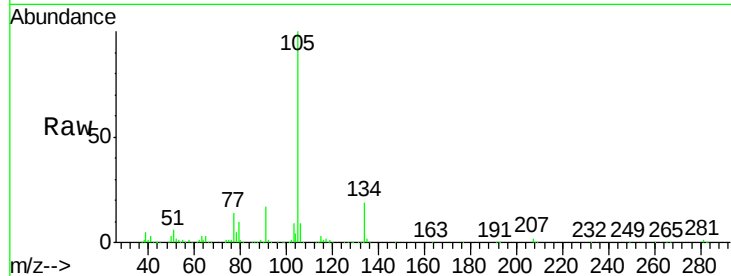
ClientSampled :

Tot Ion:105 Resp: 411913

Ion Ratio Lower Upper

105 100

134 19.1 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

250000

200000

150000

100000

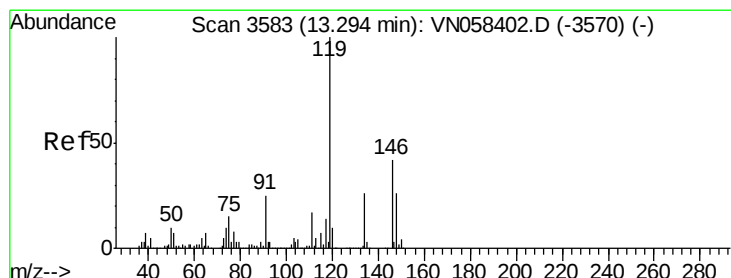
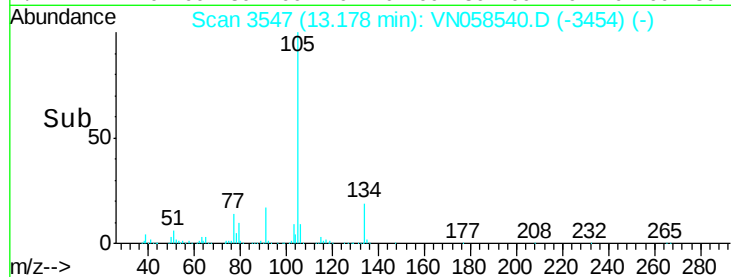
50000

0

Time-->

13.10

13.20



#86

p-Isopropyltoluene

Concen: 21.610 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

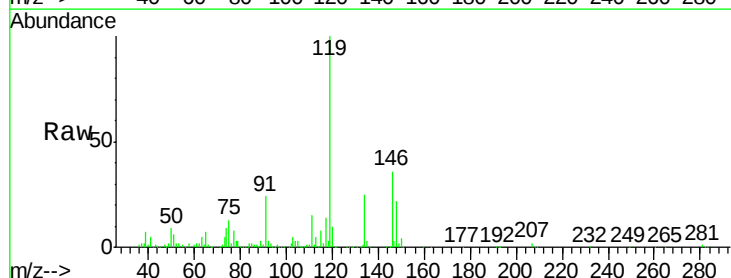
Tgt Ion:119 Resp: 365526

Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 24.6 12.4 37.0



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

13.30

250000

200000

150000

100000

50000

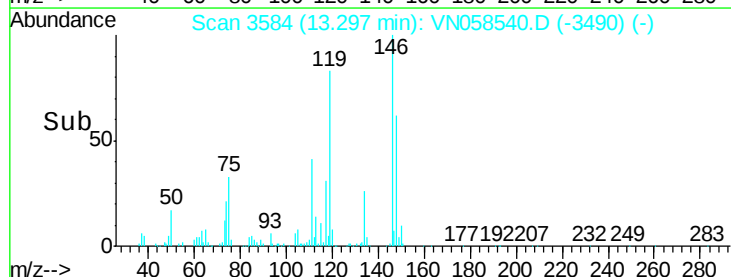
0

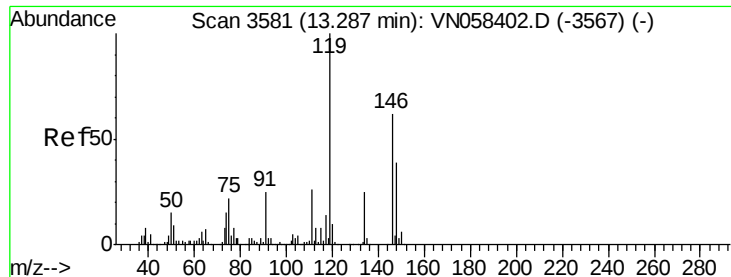
Time-->

13.25

13.30

13.35





#87

1,3-Dichlorobenzene

Concen: 20.398 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampled :

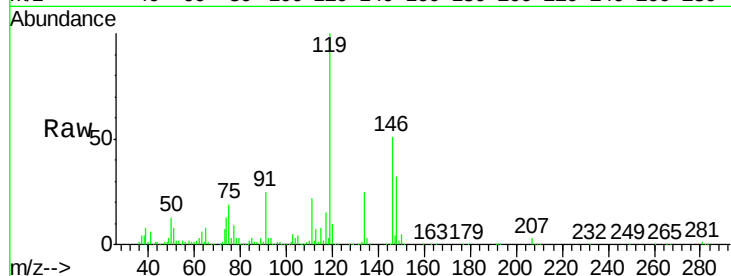
Tot Ion:146 Resp: 179256

Ion Ratio Lower Upper

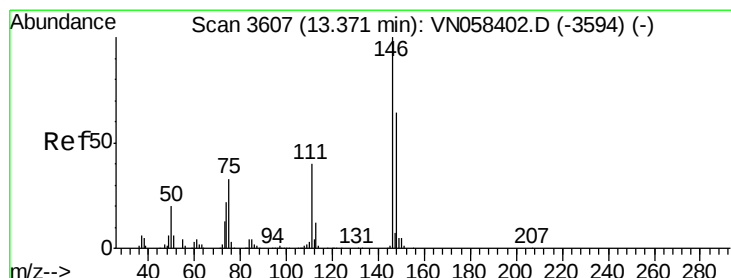
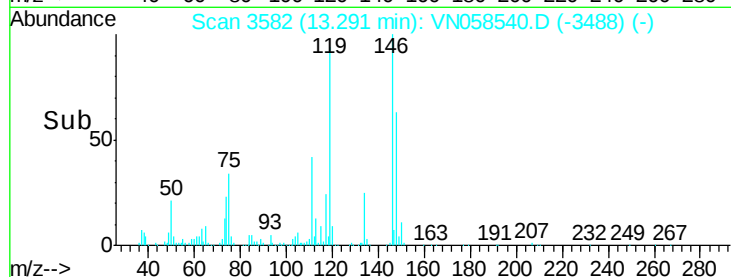
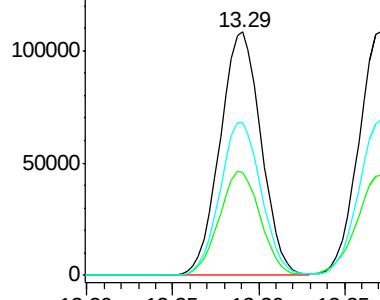
146 100

111 42.5 20.8 62.4

148 63.0 31.4 94.3



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



#88

1,4-Dichlorobenzene

Concen: 20.250 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

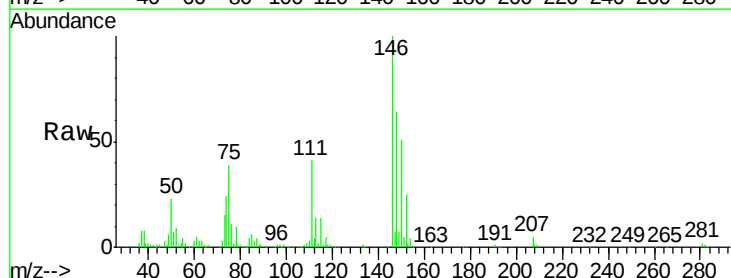
Tgt Ion:146 Resp: 177050

Ion Ratio Lower Upper

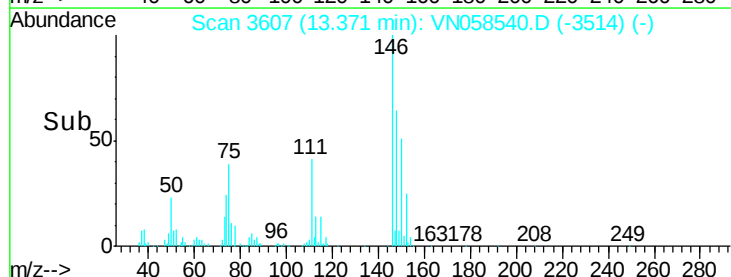
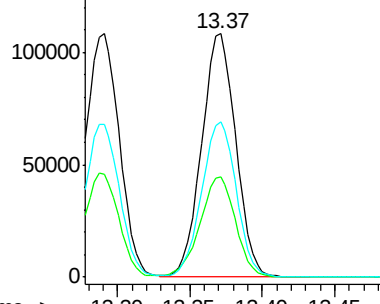
146 100

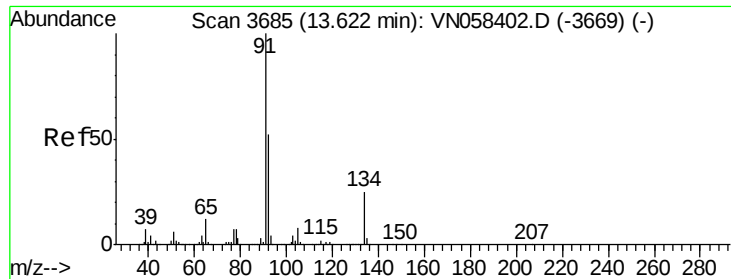
111 42.8 20.5 61.6

148 64.7 31.5 94.5



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





#89

n-Butylbenzene

Concen: 21.926 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

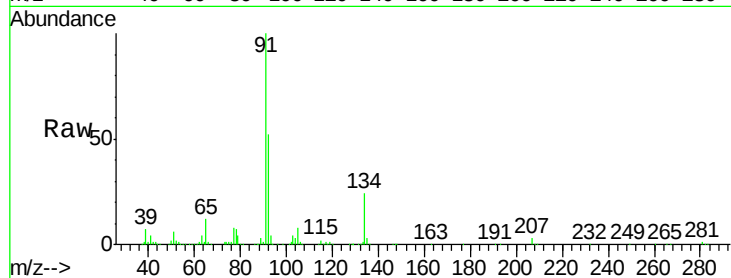
Tot Ion: 91 Resp: 335951

Ion Ratio Lower Upper

91 100

92 51.0 25.7 77.1

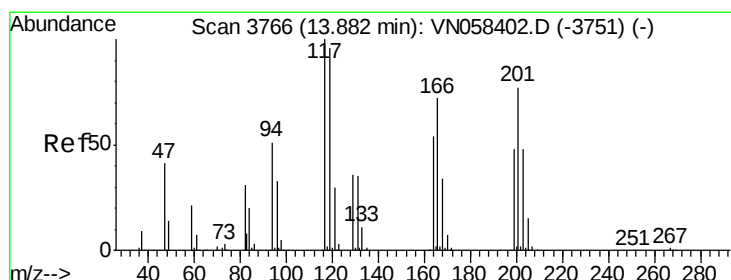
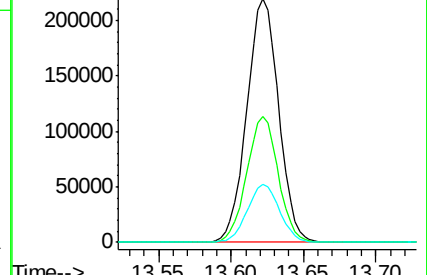
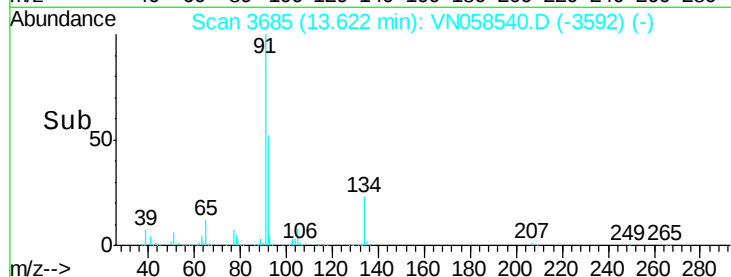
134 24.3 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058540.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN058540.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN058540.D (-3592) (-)



#90

Hexachloroethane

Concen: 22.096 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058540.D

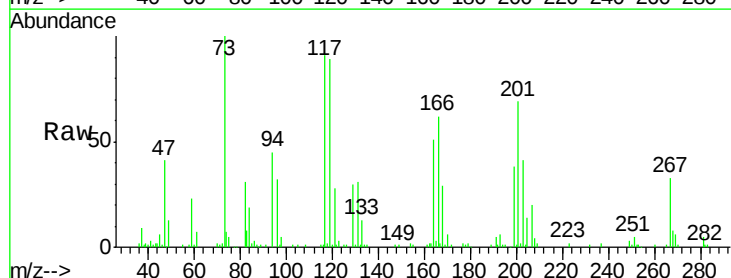
Acq: 4 Oct 2019 15:03

Tgt Ion: 117 Resp: 56154

Ion Ratio Lower Upper

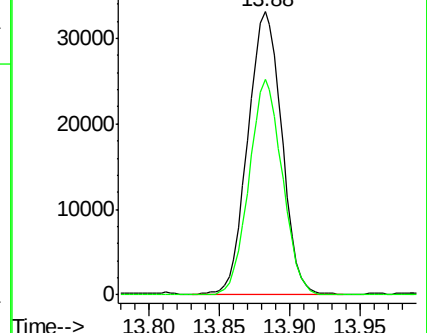
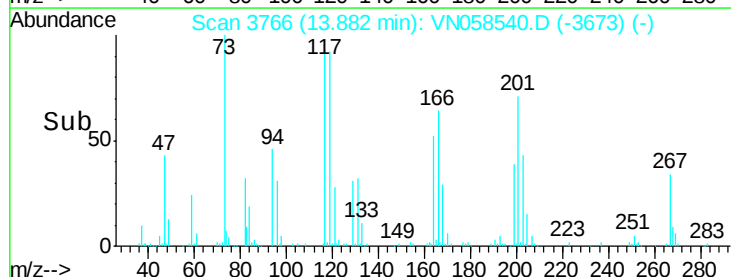
117 100

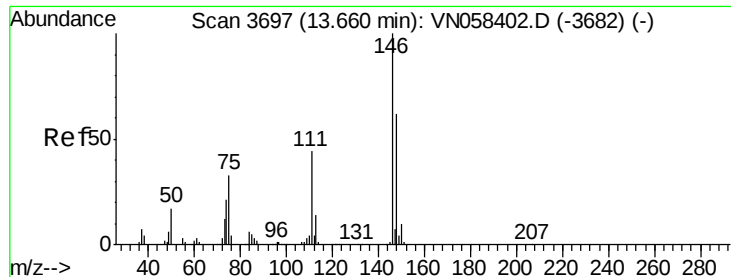
201 74.0 38.6 116.0



Abundance Ion 116.80 (116.50 to 117.50): VN058540.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN058540.D (-3673) (-)





#91

1,2-Dichlorobenzene

Concen: 21.292 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampled :

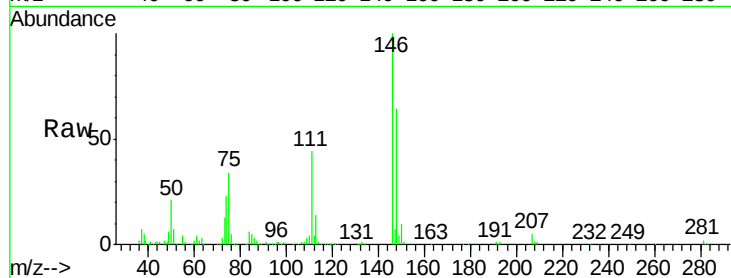
Tot Ion:146 Resp: 179784

Ion Ratio Lower Upper

146 100

111 42.6 21.8 65.3

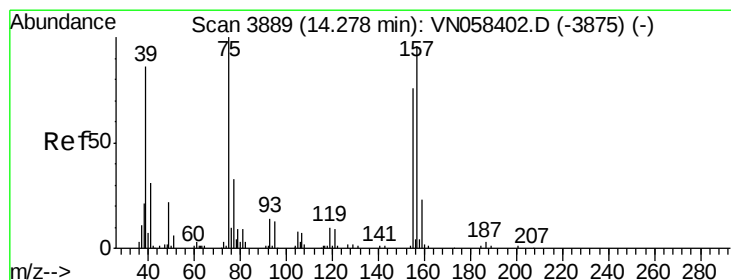
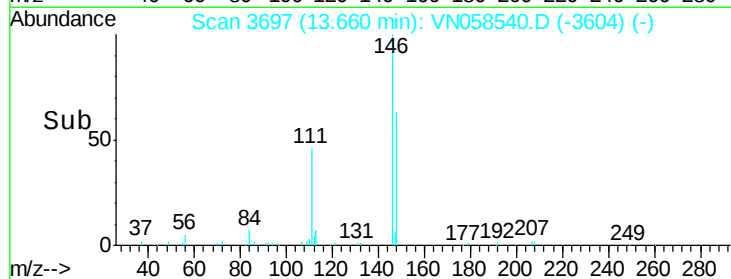
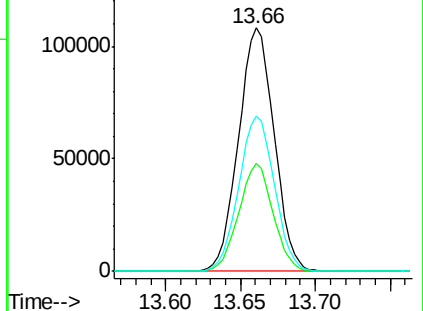
148 63.8 31.5 94.5



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: 23.925 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

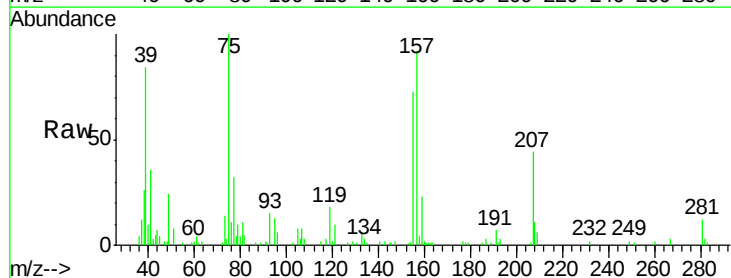
Tgt Ion: 75 Resp: 25786

Ion Ratio Lower Upper

75 100

155 71.9 39.2 117.6

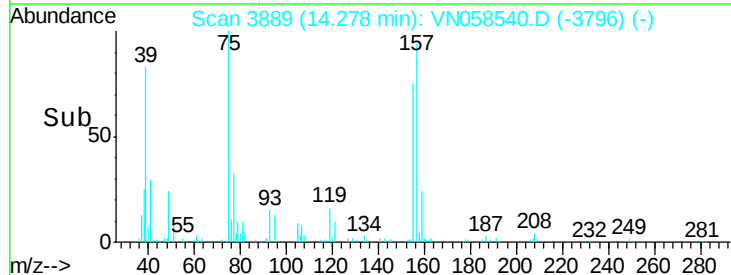
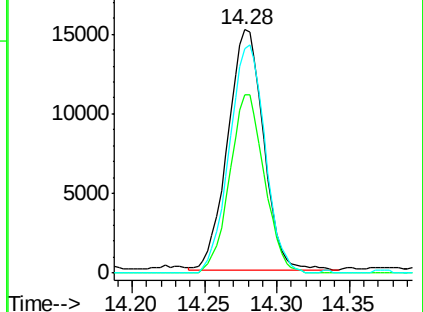
157 94.5 48.7 146.1

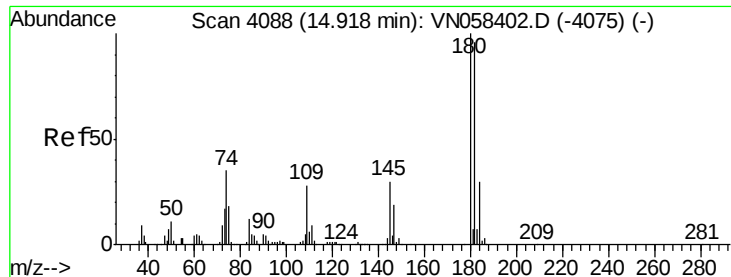


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

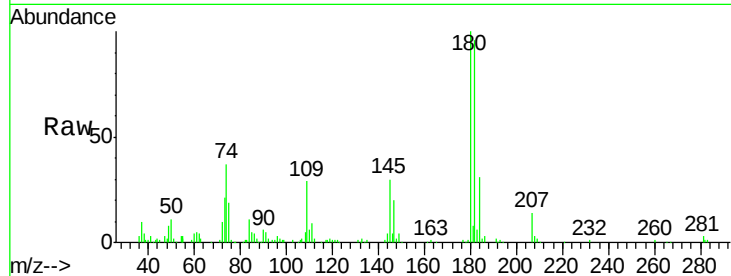




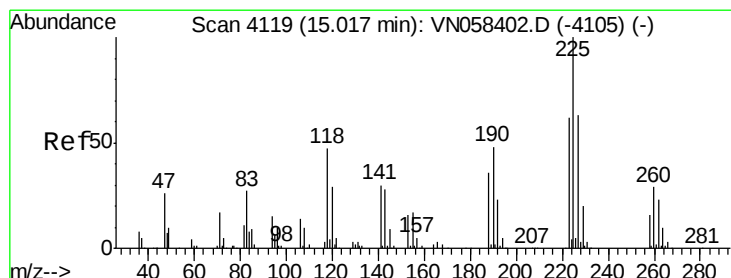
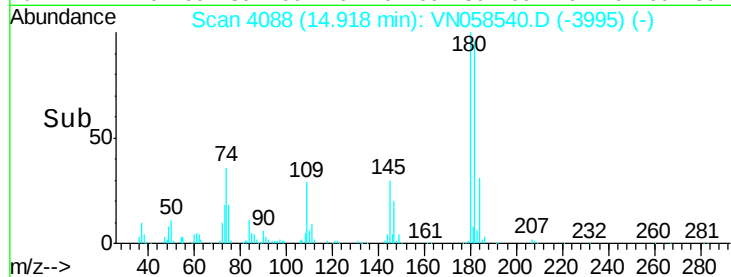
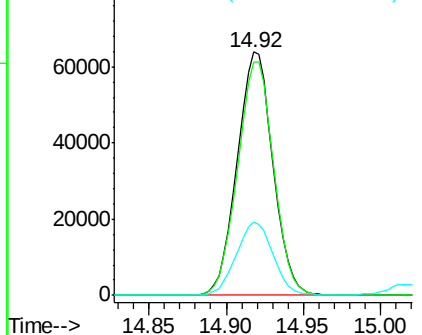
#93
 1,2,4-Trichlorobenzene
 Concen: 22.003 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.4	142.3
145	30.9	15.3	45.9

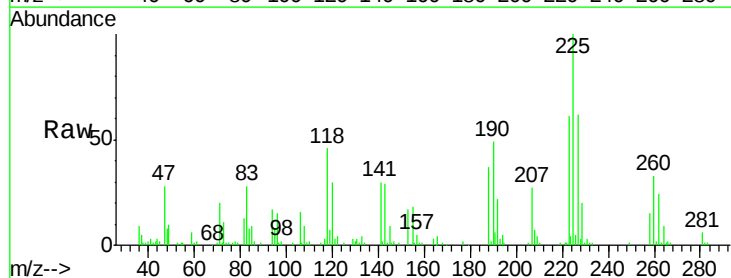


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

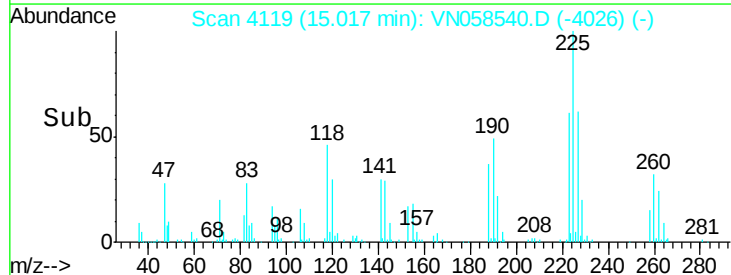
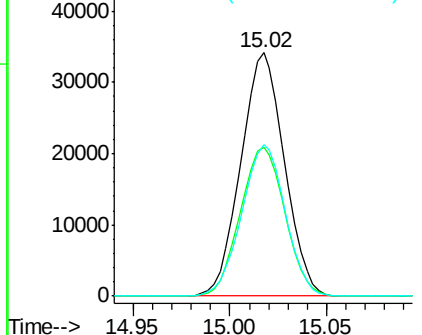


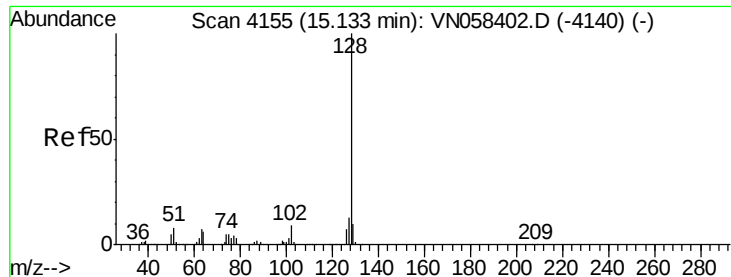
#94
 Hexachlorobutadiene
 Concen: 22.335 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058540.D
 Acq: 4 Oct 2019 15:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.1	93.5
227	62.1	31.4	94.2



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: 21.865 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

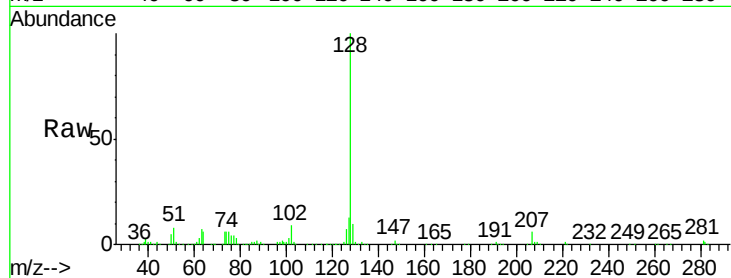
Tot Ion:128 Resp: 298992

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

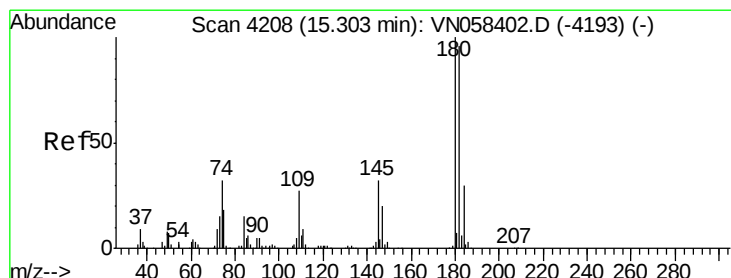
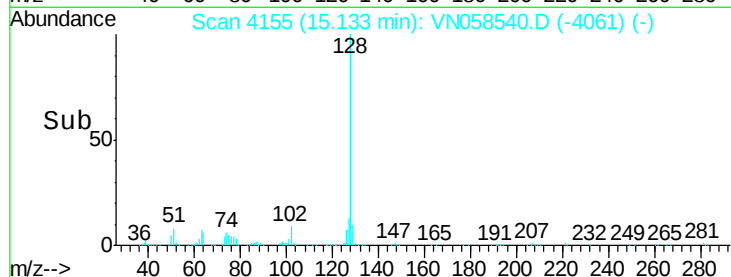
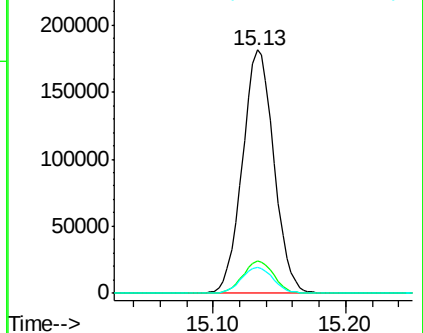
129 10.8 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.459 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058540.D

Acq: 4 Oct 2019 15:03

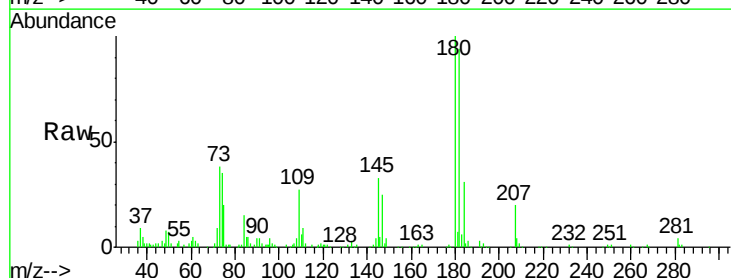
Tgt Ion:180 Resp: 100449

Ion Ratio Lower Upper

180 100

182 94.5 48.3 144.9

145 31.7 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

