

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058697.D
 Acq On : 11 Oct 2019 12:36
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 23:33:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	461777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	750296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	692637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	347085	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	323628	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
35) Dibromofluoromethane	7.57	113	233172	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.08	98	931721	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.40	95	352051	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	289942	56.014	ug/l 100
3) Chloromethane	2.04	50	328440	56.949	ug/l 100
4) Vinyl Chloride	2.17	62	333957	58.910	ug/l 100
5) Bromomethane	2.54	94	198449	63.719	ug/l 100
6) Chloroethane	2.68	64	203245	59.694	ug/l 100
7) Trichlorofluoromethane	3.00	101	387529	57.280	ug/l 100
8) Diethyl Ether	3.39	74	146509	51.440	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	222412	49.896	ug/l 100
10) Methyl Iodide	3.93	142	318530	61.436	ug/l 100
11) Tert butyl alcohol	4.76	59	248842	310.870	ug/l 100
12) 1,1-Dichloroethene	3.72	96	218538	50.293	ug/l 100
13) Acrolein	3.58	56	205417	571.442	ug/l 100
14) Allyl chloride	4.30	41	436125	54.238	ug/l 100
15) Acrylonitrile	4.96	53	665325	294.474	ug/l 100
16) Acetone	3.79	43	665085	282.087	ug/l 100
17) Carbon Disulfide	4.03	76	679881	57.718	ug/l 100
18) Methyl Acetate	4.30	43	331368	55.478	ug/l 100
19) Methyl tert-butyl Ether	5.02	73	797851	51.675	ug/l 100
20) Methylene Chloride	4.53	84	257956	48.406	ug/l 100
21) trans-1,2-Dichloroethene	5.02	96	245109	50.539	ug/l 100
22) Diisopropyl ether	5.93	45	872955	50.961	ug/l 100
23) Vinyl Acetate	5.87	43	3774946	289.829	ug/l 100
24) 1,1-Dichloroethane	5.82	63	489455	50.867	ug/l 100
25) 2-Butanone	6.81	43	965855	295.910	ug/l 100
26) 2,2-Dichloropropane	6.81	77	431716	54.042	ug/l 100
27) cis-1,2-Dichloroethene	6.81	96	279523	49.557	ug/l 100
28) Bromochloromethane	7.18	49	168393	44.945	ug/l 100
29) Tetrahydrofuran	7.19	42	626130	300.785	ug/l 100
30) Chloroform	7.35	83	478410	49.280	ug/l 100
31) Cyclohexane	7.63	56	453205	48.556	ug/l 100
32) 1,1,1-Trichloroethane	7.55	97	427004	53.153	ug/l 100
36) 1,1-Dichloropropene	7.77	75	373929	51.817	ug/l 100
37) Ethyl Acetate	6.91	43	394317	62.257	ug/l 100
38) Carbon Tetrachloride	7.76	117	372667	56.462	ug/l 100

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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.07	83	444021	52.544	ug/l	100
40) Benzene	8.02	78	1073571	51.785	ug/l	100
41) Methacrylonitrile	7.19	41	569545	191.776	ug/l #	23
42) 1,2-Dichloroethane	8.11	62	408044	50.614	ug/l	100
43) Isopropyl Acetate	8.15	43	643728	54.878	ug/l	100
44) Trichloroethene	8.82	130	265693	51.978	ug/l	100
45) 1,2-Dichloropropane	9.11	63	290188	52.140	ug/l	100
46) Dibromomethane	9.20	93	184943	52.357	ug/l	100
47) Bromodichloromethane	9.39	83	380723	56.440	ug/l	100
48) Methyl methacrylate	9.19	41	300333	56.350	ug/l	100
49) 1,4-Dioxane	9.19	88	90226	1244.468	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1969532	320.589	ug/l	100
52) Toluene	10.15	92	667653	51.072	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	437696	59.436	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	465825	57.328	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	256366	53.682	ug/l	100
56) Ethyl methacrylate	10.43	69	418487	57.341	ug/l	100
57) 1,3-Dichloropropane	10.71	76	459783	53.943	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1007906	333.743	ug/l	100
59) 2-Hexanone	10.75	43	1508705	333.517	ug/l	100
60) Dibromochloromethane	10.90	129	285675	61.943	ug/l	100
61) 1,2-Dibromoethane	11.00	107	271703	55.454	ug/l	100
64) Tetrachloroethene	10.63	164	235650	52.891	ug/l	100
65) Chlorobenzene	11.43	112	696923	50.576	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	260881	55.615	ug/l	100
67) Ethyl Benzene	11.51	91	1311373	52.458	ug/l	100
68) m/p-Xylenes	11.62	106	976360	103.799	ug/l	100
69) o-Xylene	11.95	106	461795	51.145	ug/l	100
70) Styrene	11.97	104	779573	53.142	ug/l	100
71) Bromoform	12.13	173	197061	65.685	ug/l	100
73) Isopropylbenzene	12.25	105	1272167	49.843	ug/l	100
74) N-amyl acetate	12.07	43	578410	55.858	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	403590	52.509	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	545435	84.406	ug/l #	100
77) Bromobenzene	12.53	156	296100	49.317	ug/l	100
78) n-propylbenzene	12.60	91	1519689	52.629	ug/l	100
79) 2-Chlorotoluene	12.68	91	885362	49.721	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1101792	51.413	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	142607	64.383	ug/l	100
82) 4-Chlorotoluene	12.78	91	929170	51.006	ug/l	100
83) tert-Butylbenzene	13.00	119	917519	50.735	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1103474	51.397	ug/l	100
85) sec-Butylbenzene	13.18	105	1257951	52.674	ug/l	100
86) p-Isopropyltoluene	13.29	119	1149954	54.458	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	552201	50.536	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	546458	50.352	ug/l	100
89) n-Butylbenzene	13.62	91	1050057	54.567	ug/l	100
90) Hexachloroethane	13.88	117	198070	61.042	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	539564	51.308	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	87671	62.649	ug/l	100

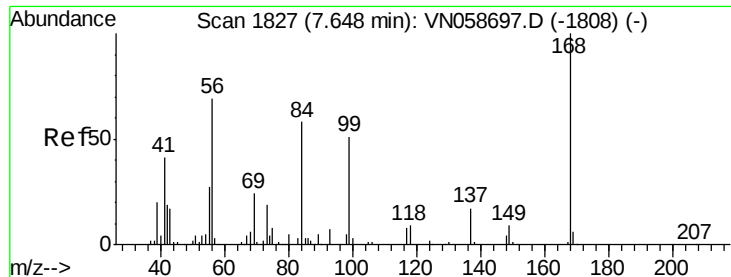
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	336805	57.427	ug/l	100
94) Hexachlorobutadiene	15.02	225	170850	55.924	ug/l	100
95) Naphthalene	15.13	128	991417	63.835	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	322252	60.057	ug/l	100

(#) = 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: VN058697.D

Acq: 11 Oct 2019 12:36

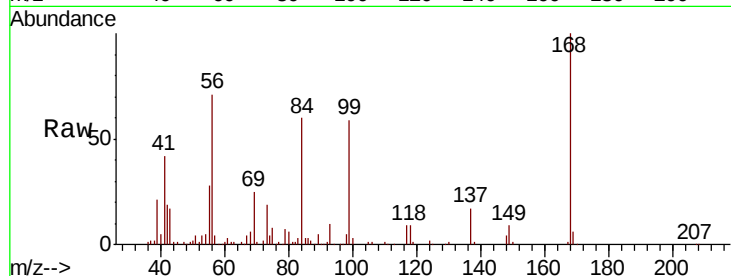
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 461777

Ion Ratio Lower Upper

168 100

99 59.4 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

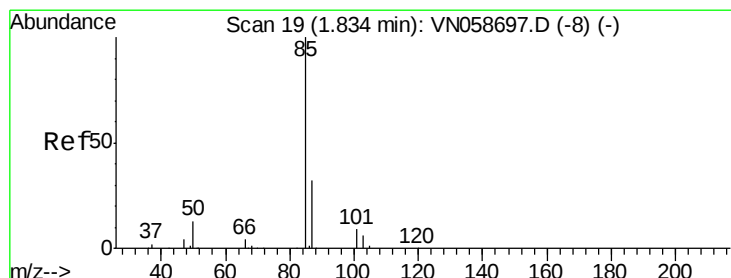
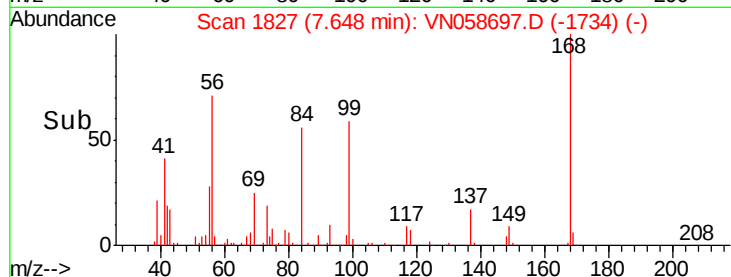
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 56.014 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058697.D

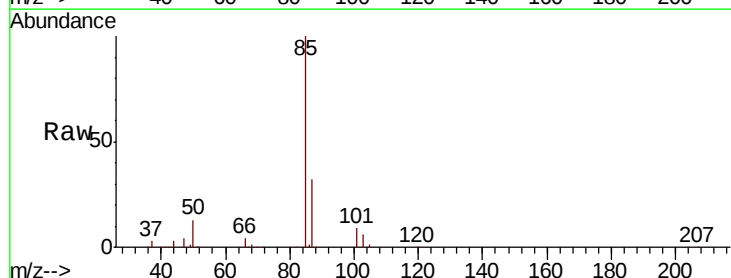
Acq: 11 Oct 2019 12:36

Tgt Ion: 85 Resp: 289942

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

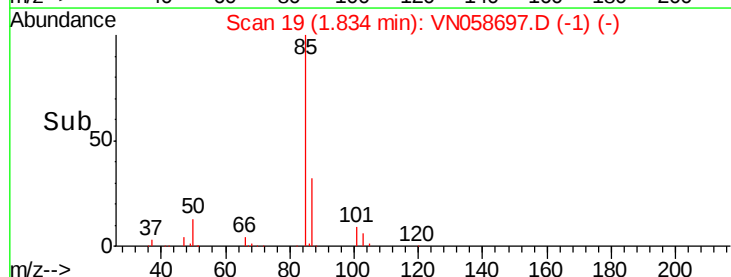
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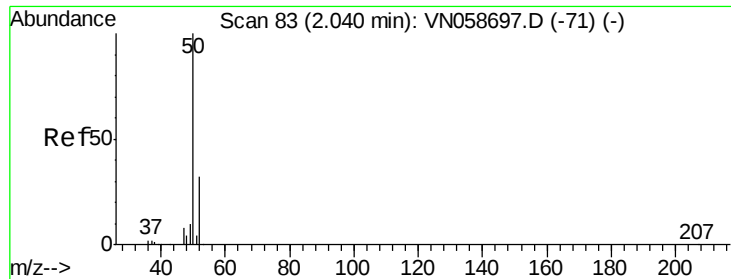
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 56.949 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

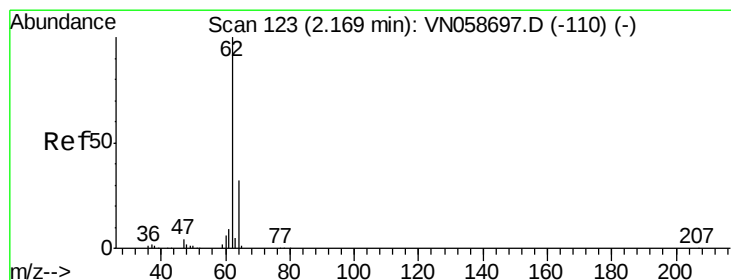
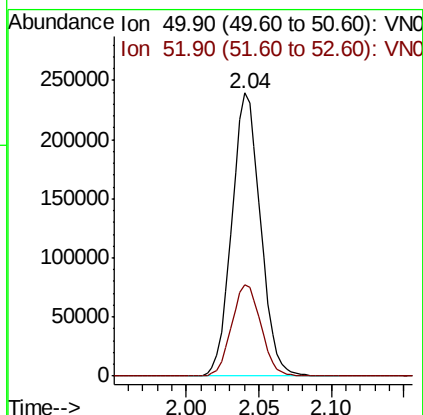
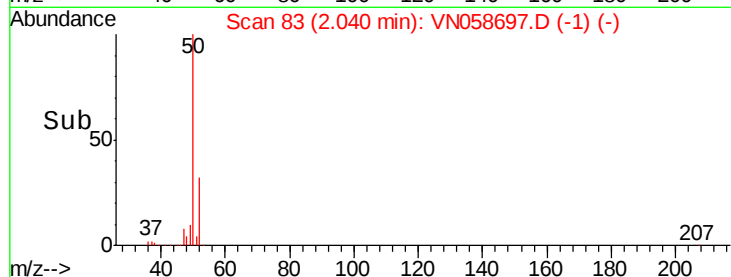
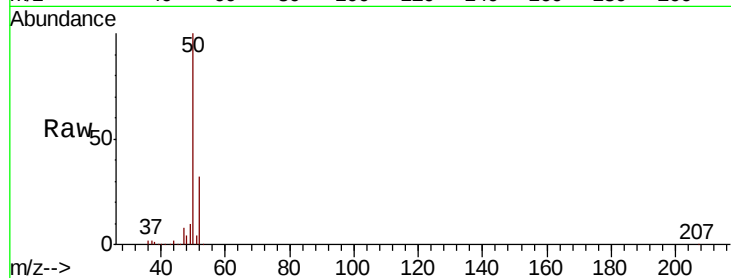
ClientSampled :

Tot Ion: 50 Resp: 328440

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6



#4

Vinyl Chloride

Concen: 58.910 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058697.D

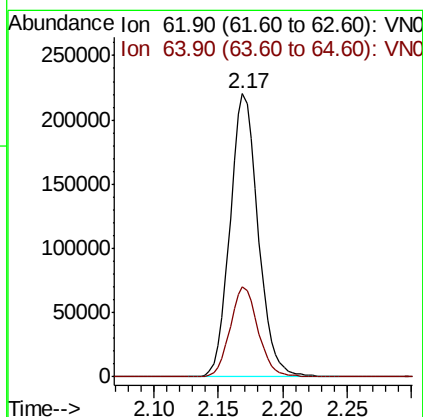
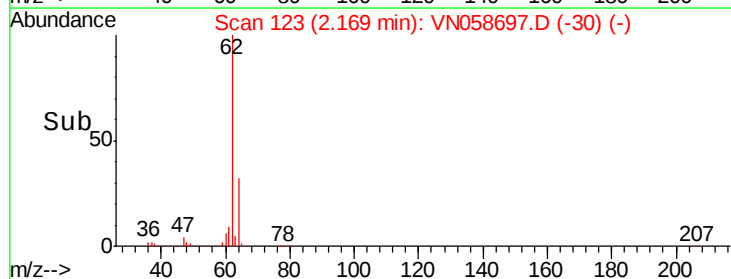
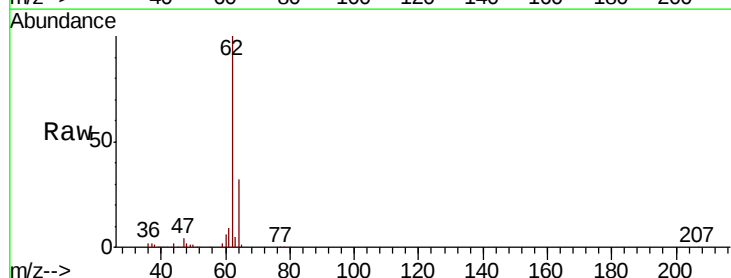
Acq: 11 Oct 2019 12:36

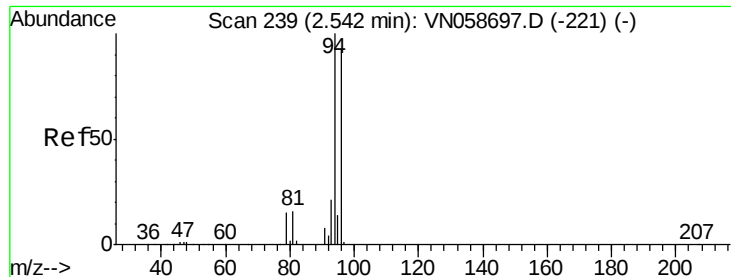
Tgt Ion: 62 Resp: 333957

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 63.719 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

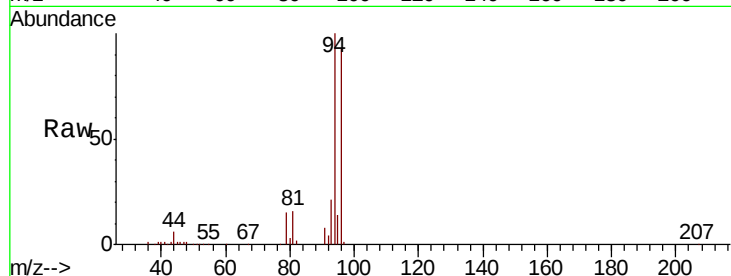
ClientSampled :

Tot Ion: 94 Resp: 198449

Ion Ratio Lower Upper

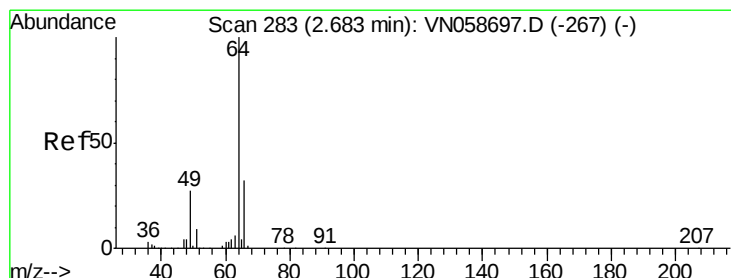
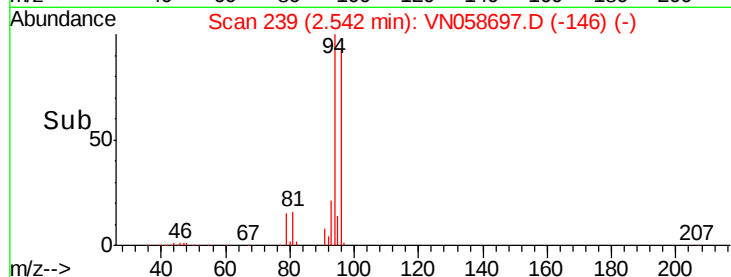
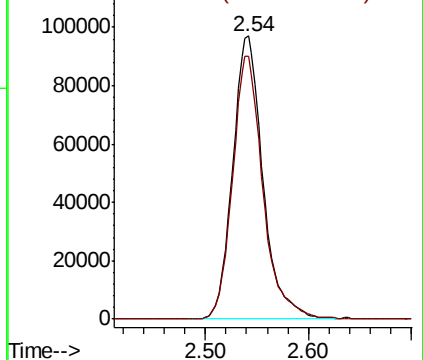
94 100

96 93.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 59.694 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058697.D

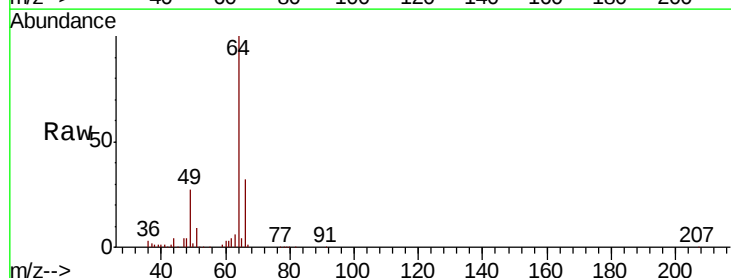
Acq: 11 Oct 2019 12:36

Tgt Ion: 64 Resp: 203245

Ion Ratio Lower Upper

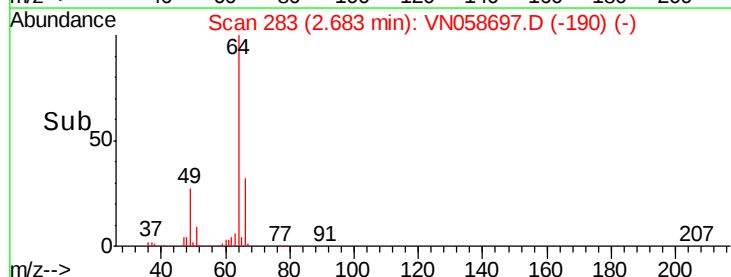
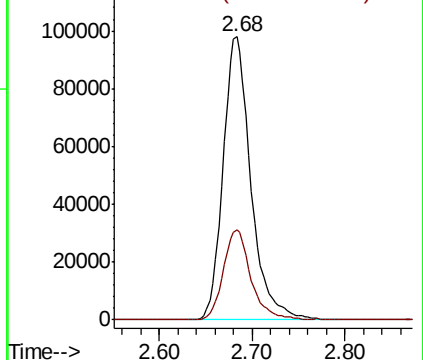
64 100

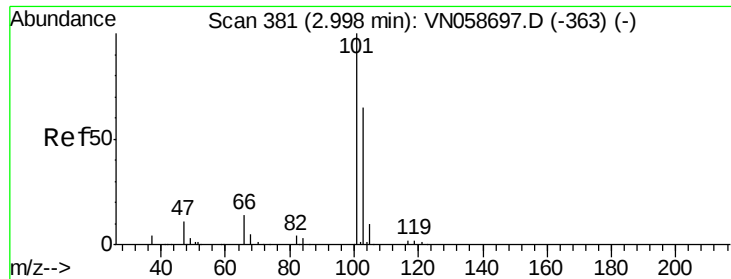
66 31.8 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



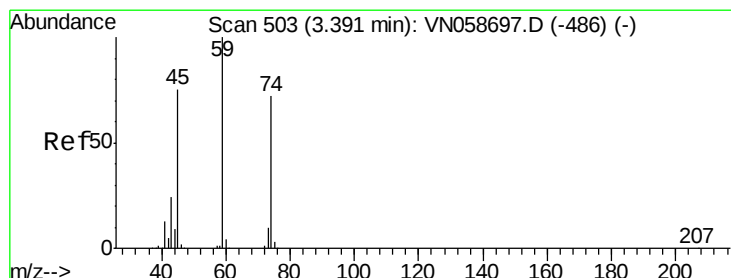
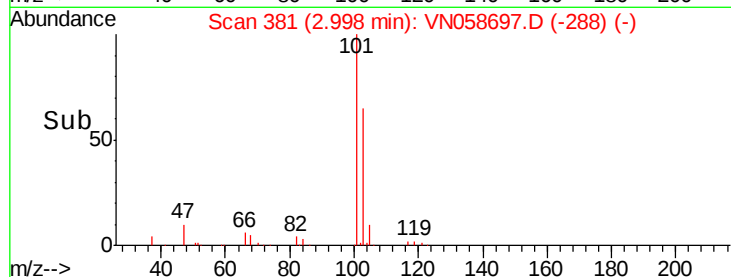
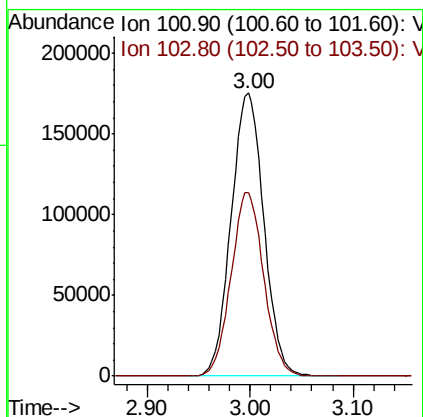
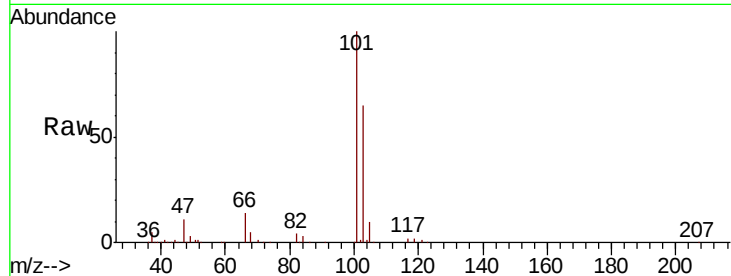


#7

Trichlorofluoromethane
Concen: 57.280 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Instrument :
MSVOA_N
ClientSampled :

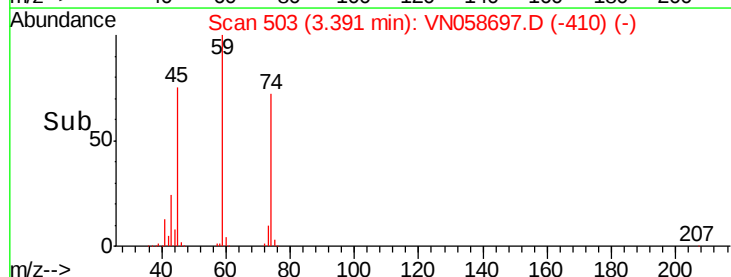
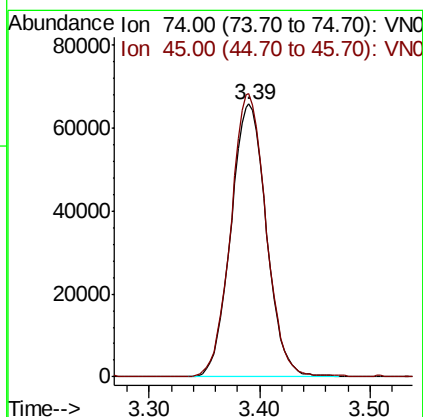
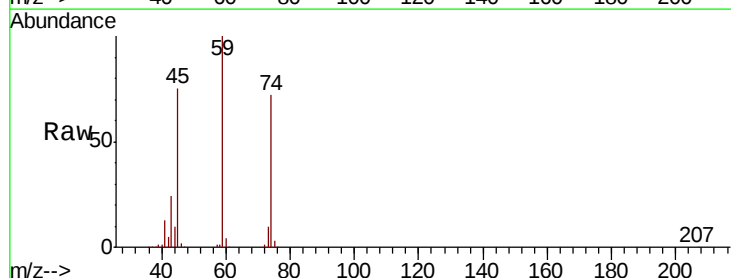
Tot Ion:101 Resp: 387529
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6

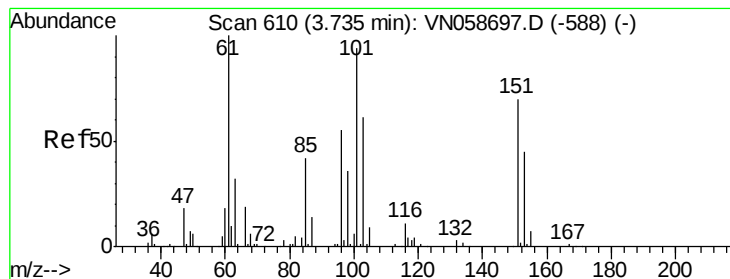


#8

Diethyl Ether
Concen: 51.440 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Tgt Ion: 74 Resp: 146509
Ion Ratio Lower Upper
74 100
45 102.7 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.896 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

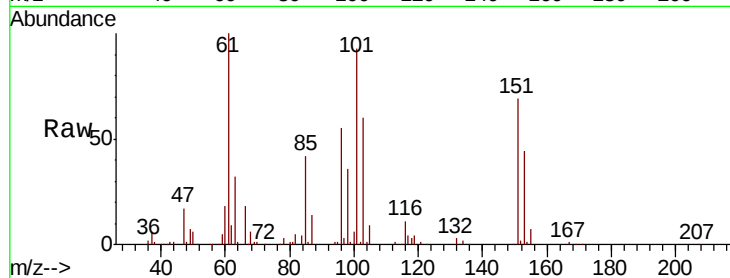
Tot Ion:101 Resp: 222412

Ion Ratio Lower Upper

101 100

85 46.3 37.0 55.6

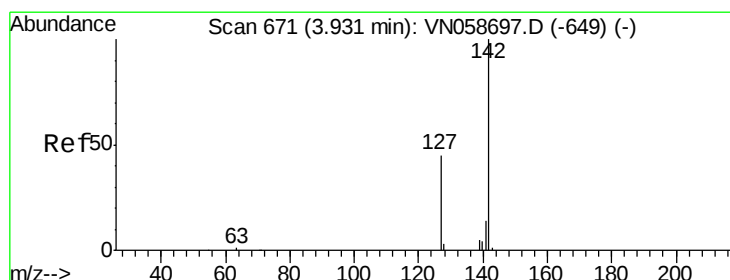
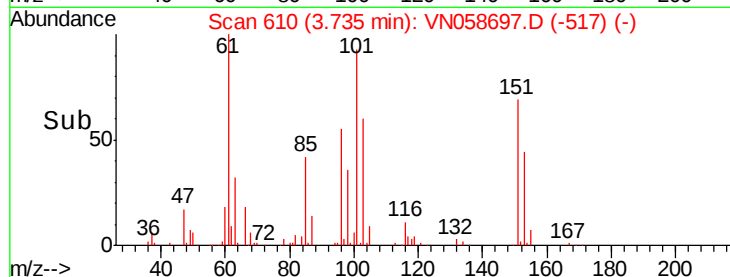
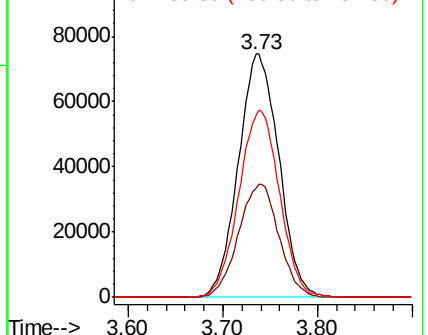
151 77.2 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 61.436 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

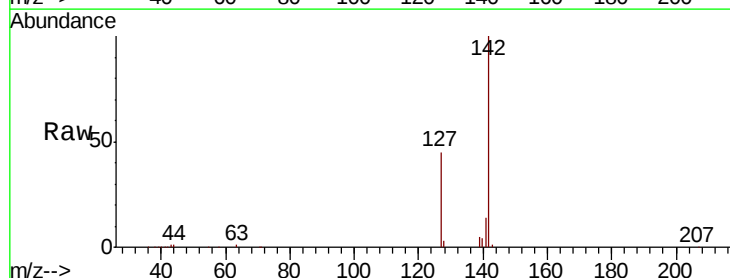
Tgt Ion:142 Resp: 318530

Ion Ratio Lower Upper

142 100

127 45.5 36.4 54.6

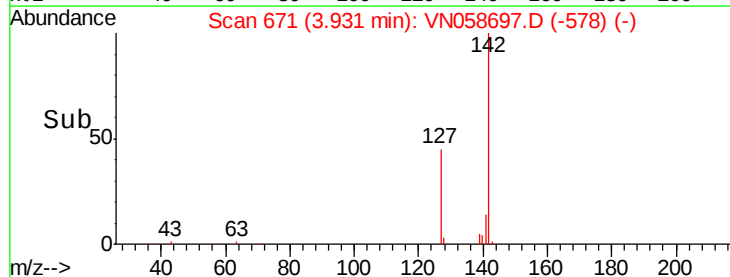
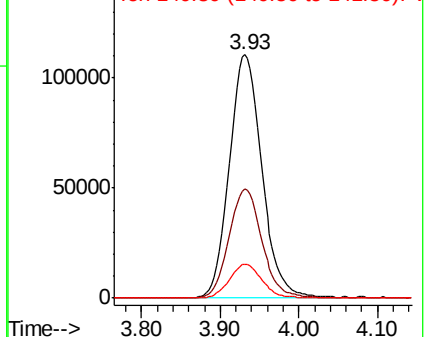
141 13.9 11.1 16.7

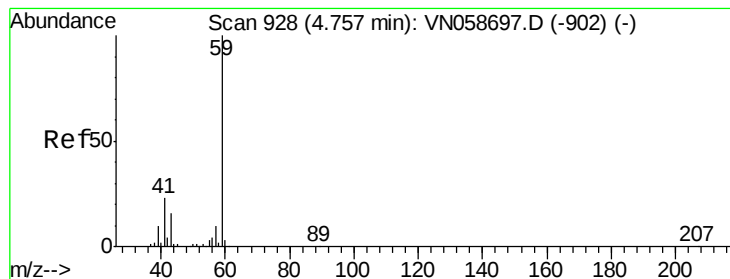


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



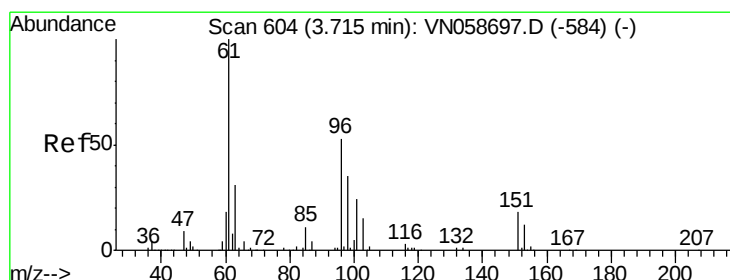
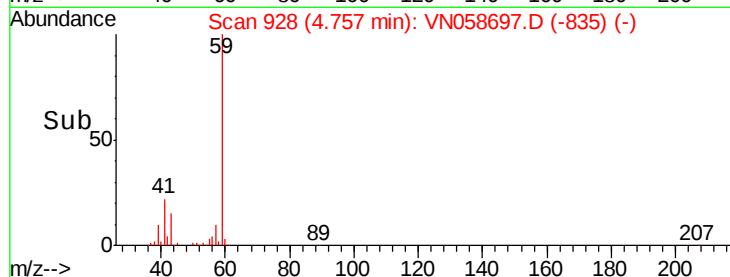
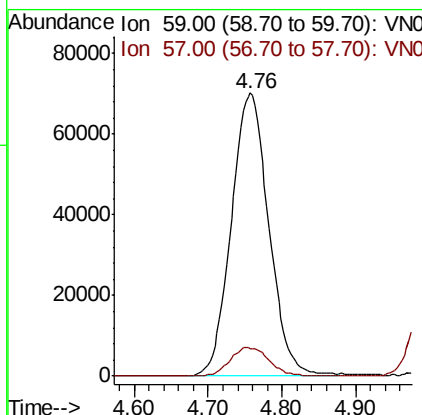
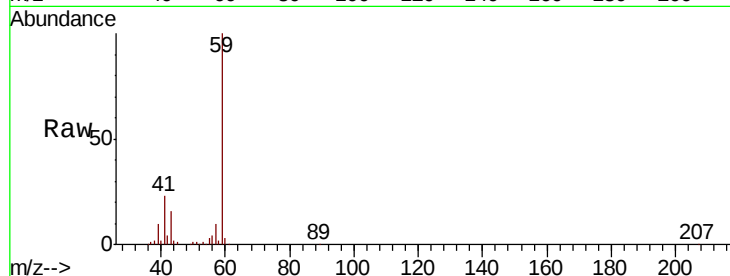


#11

Tert butyl alcohol
 Concen: 310.870 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :

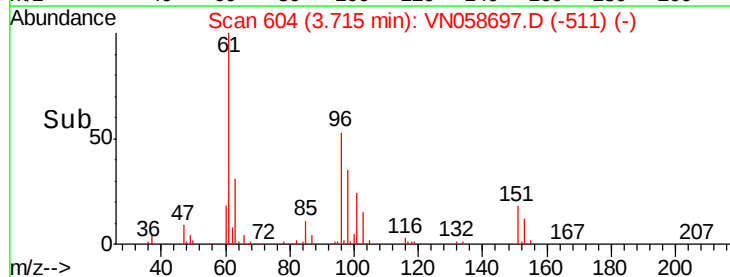
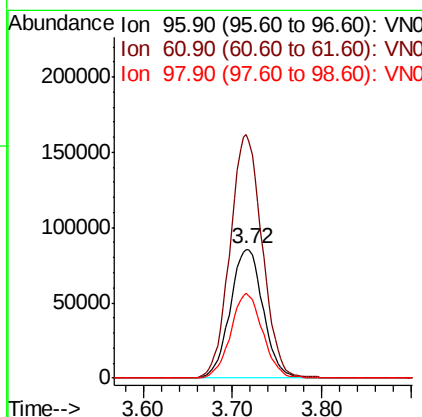
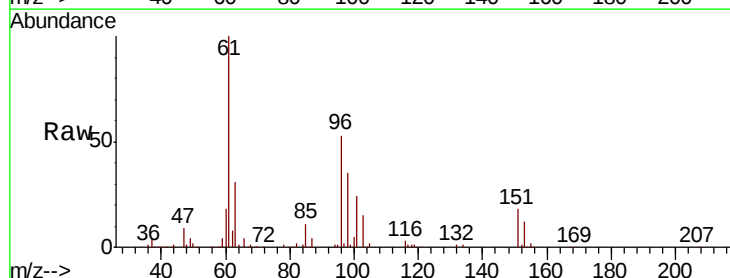
Tot Ion: 59 Resp: 248842
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

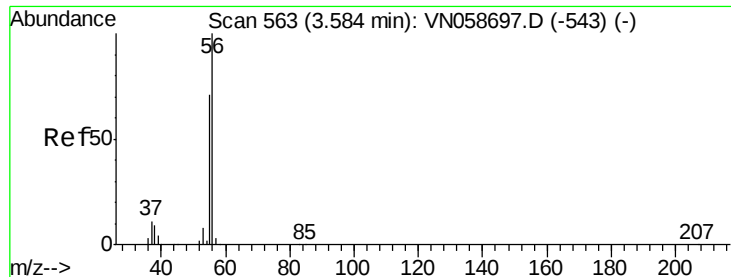


#12

1,1-Dichloroethene
 Concen: 50.293 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

Tgt Ion: 96 Resp: 218538
 Ion Ratio Lower Upper
 96 100
 61 189.1 151.3 226.9
 98 65.7 52.6 78.8





#13

Acrolein

Concen: 571.442 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

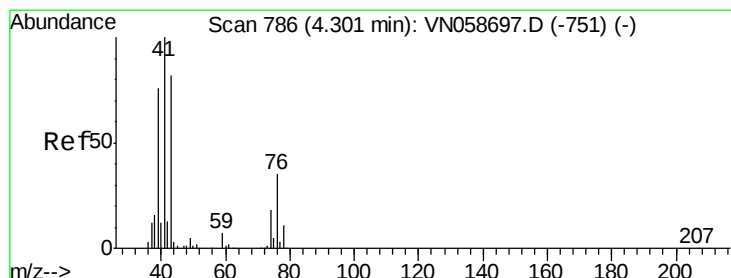
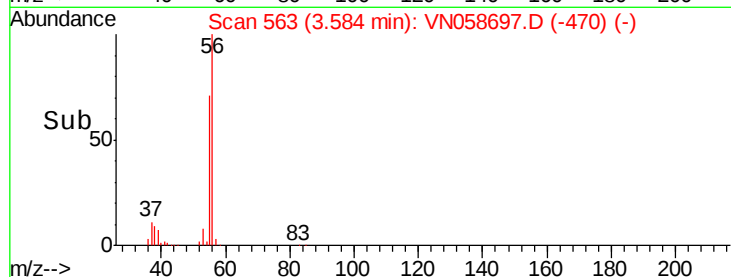
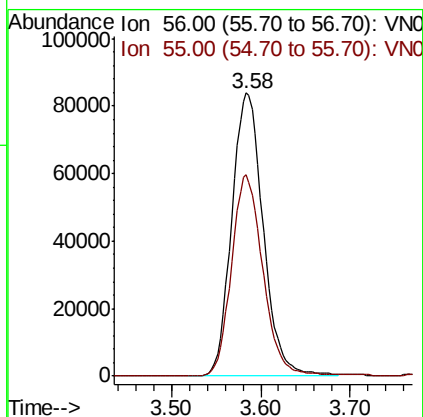
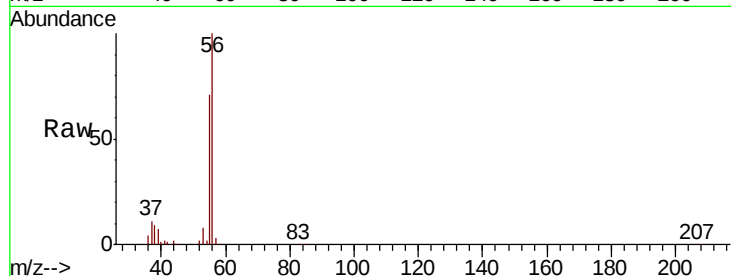
ClientSampleId :

Tot Ion: 56 Resp: 205417

Ion Ratio Lower Upper

56 100

55 70.9 56.7 85.1



#14

Allyl chloride

Concen: 54.238 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

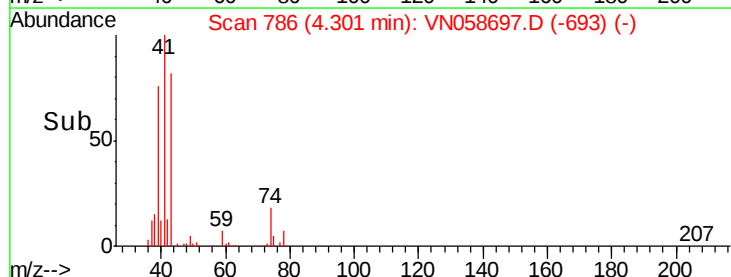
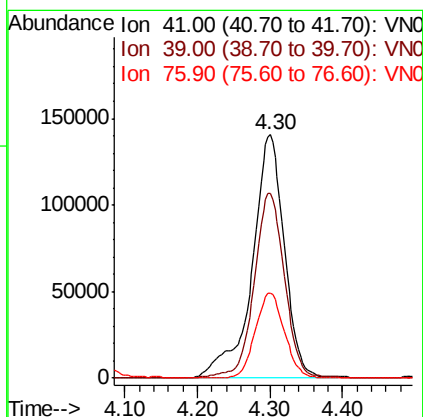
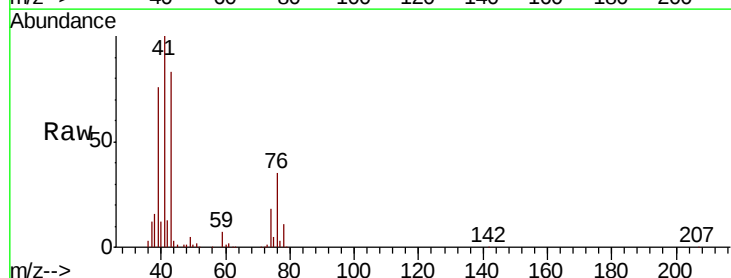
Tgt Ion: 41 Resp: 436125

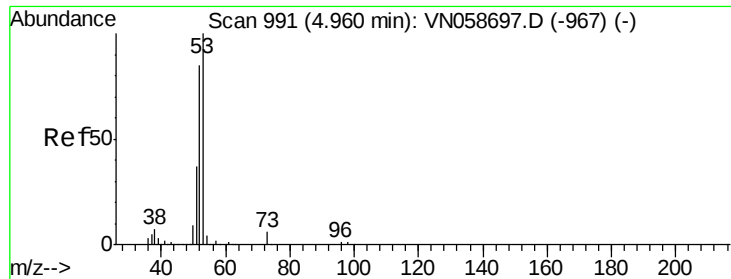
Ion Ratio Lower Upper

41 100

39 71.5 57.2 85.8

76 31.3 25.0 37.6

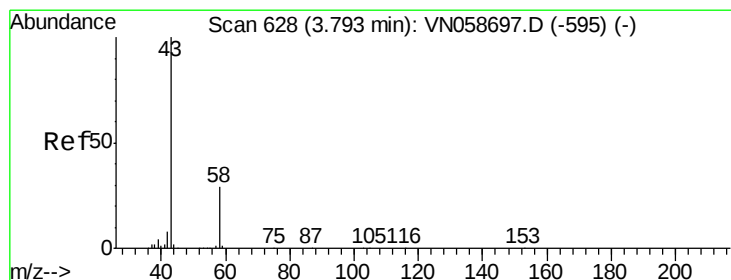
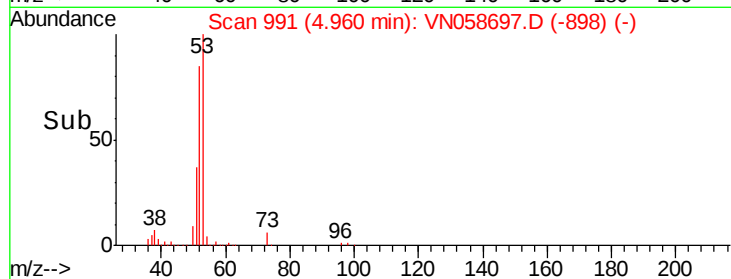
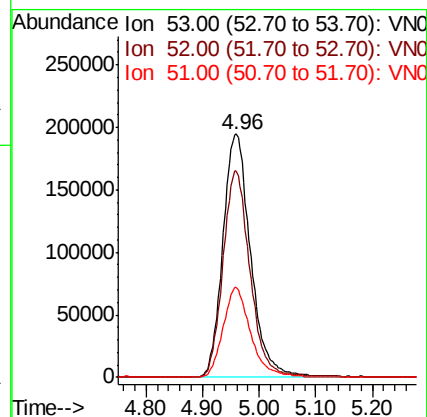
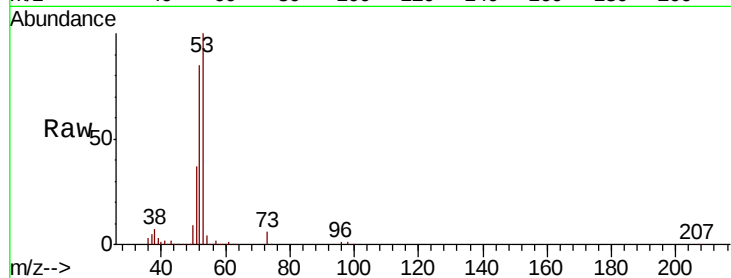




#15
 Acrylonitrile
 Concen: 294.474 ug/l
 RT: 4.96 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

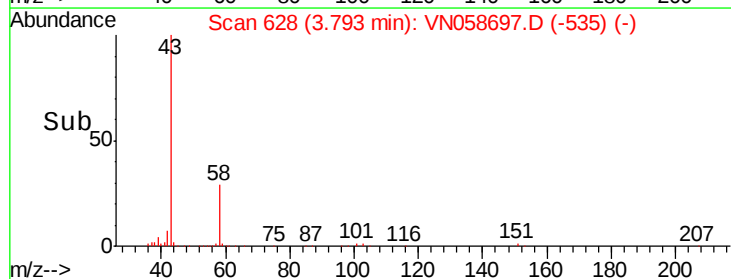
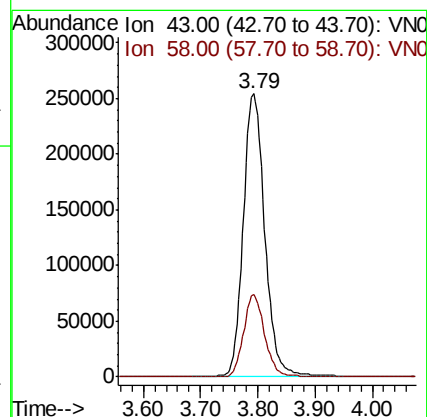
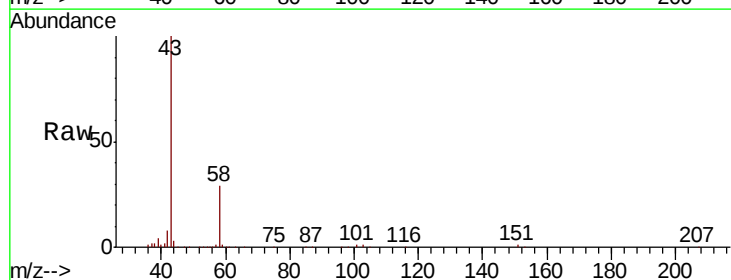
Instrument :
 MSVOA_N
 ClientSampled :

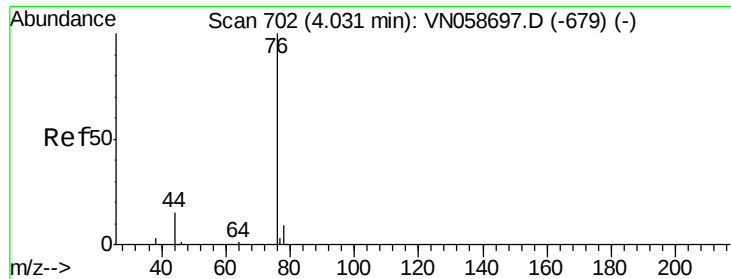
Tot Ion	53	Resp	665325
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.8	29.4	44.2



#16
 Acetone
 Concen: 282.087 ug/l
 RT: 3.79 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

Tgt Ion	43	Resp	665085
Ion	Ratio	Lower	Upper
43	100		
58	29.1	23.3	34.9





#17

Carbon Disulfide

Concen: 57.718 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

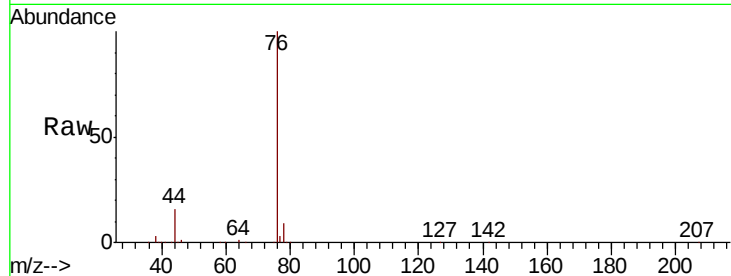
ClientSampled :

Tot Ion: 76 Resp: 679881

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

300000

250000

200000

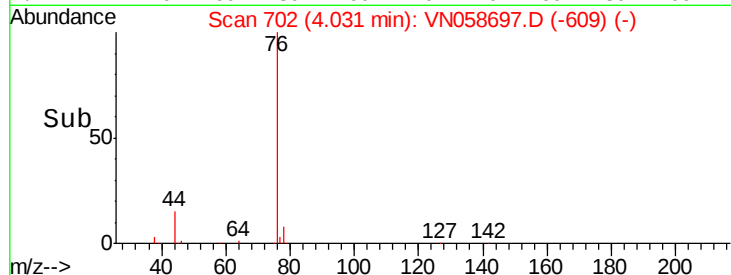
150000

100000

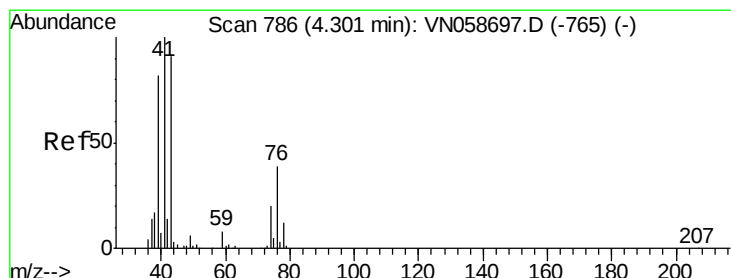
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 55.478 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058697.D

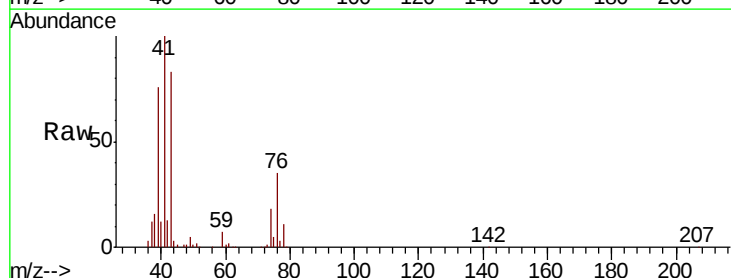
Acq: 11 Oct 2019 12:36

Tgt Ion: 43 Resp: 331368

Ion Ratio Lower Upper

43 100

74 21.5 17.2 25.8



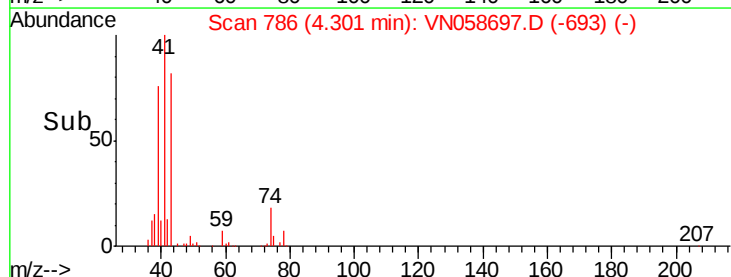
Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

100000

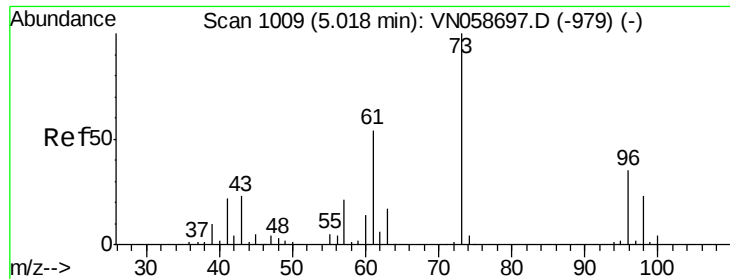
50000

0

Time-->



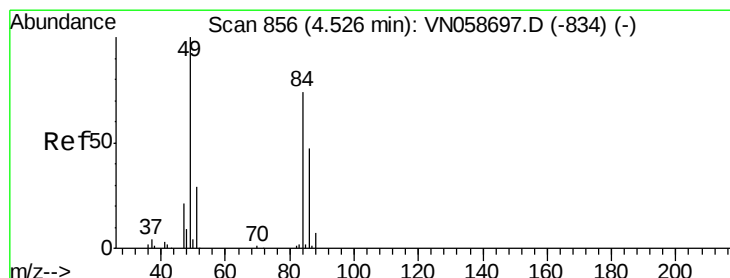
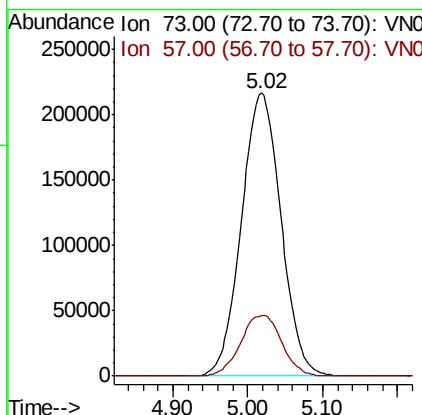
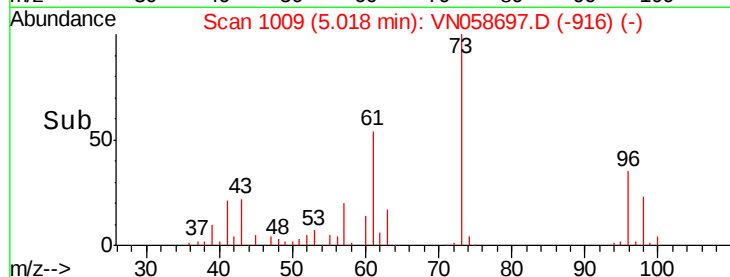
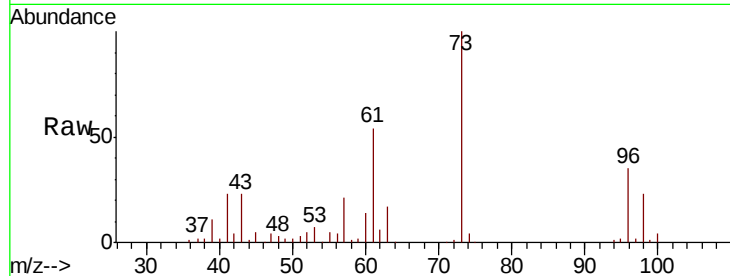
Time-->



#19
Methvl tert-butvl Ether
Concen: 51.675 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

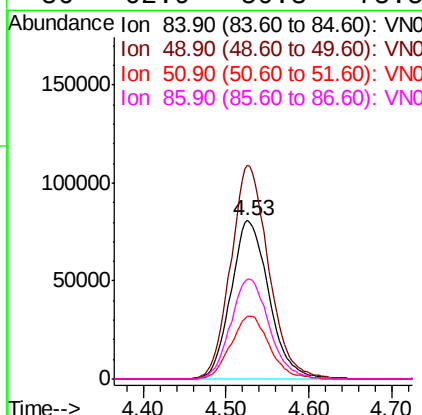
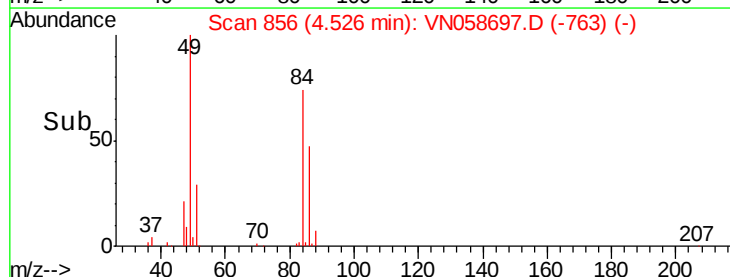
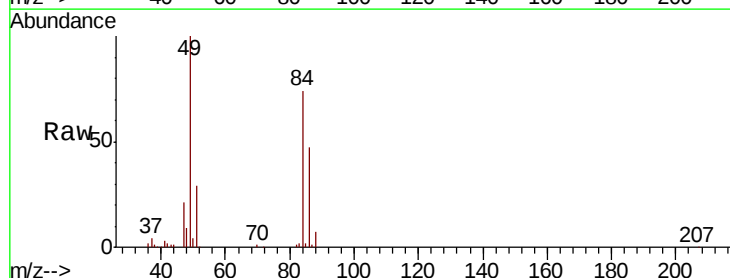
Instrument :
MSVOA_N
ClientSampled :

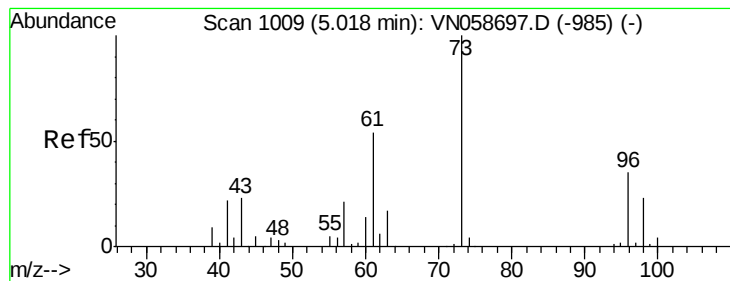
Tot Ion: 73 Resp: 797851
Ion Ratio Lower Upper
73 100
57 21.3 17.0 25.6



#20
Methylene Chloride
Concen: 48.406 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Tgt Ion: 84 Resp: 257956
Ion Ratio Lower Upper
84 100
49 134.5 107.6 161.4
51 39.2 31.4 47.0
86 62.9 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 50.539 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

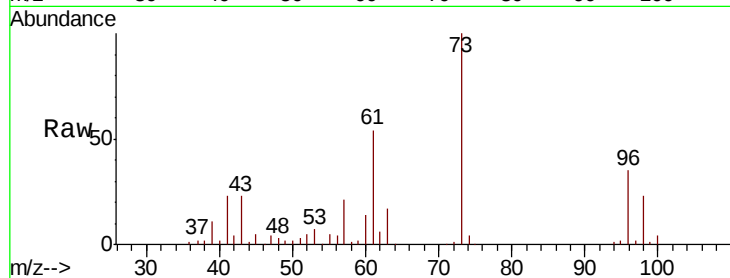
Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 245109

Ion	Ratio	Lower	Upper
96	100		
61	154.5	123.6	185.4
98	65.1	52.1	78.1

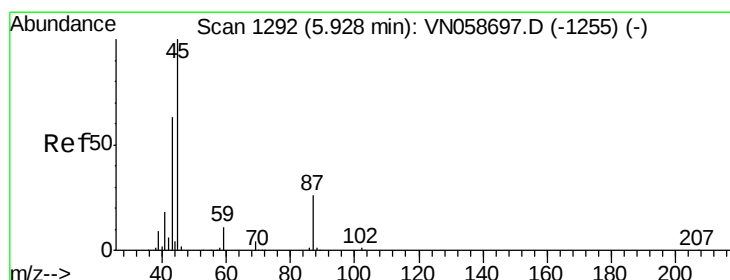
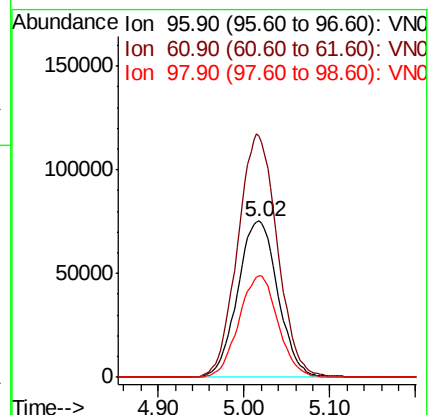
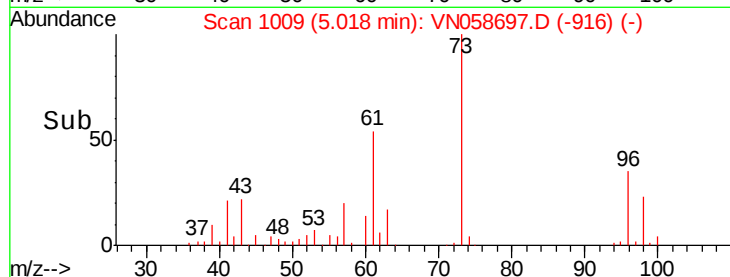


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.961 ug/l

RT: 5.93 min Scan# 1292

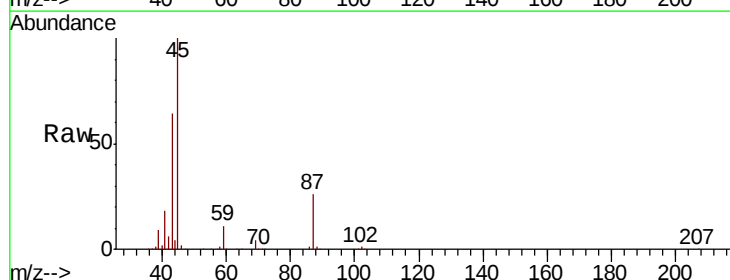
Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Tgt Ion: 45 Resp: 872955

Ion	Ratio	Lower	Upper
45	100		
43	63.2	50.6	75.8
87	26.4	21.1	31.7
59	11.2	9.0	13.4



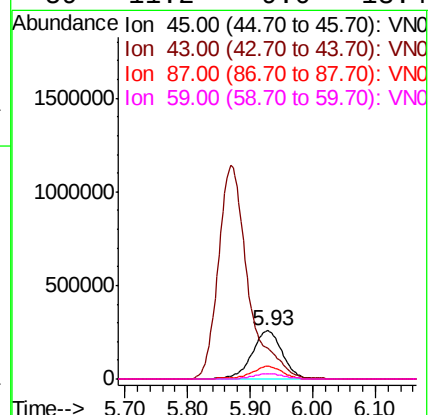
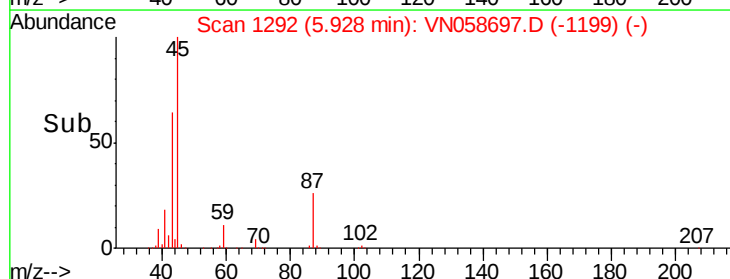
Abundance

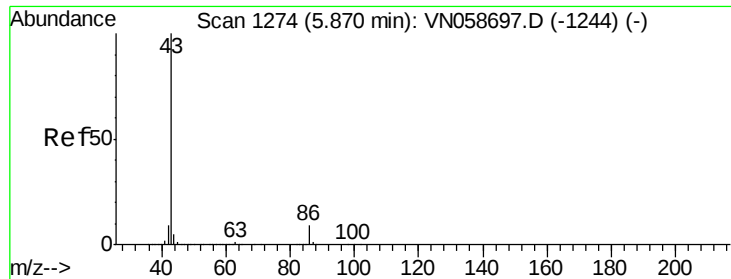
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 289.829 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

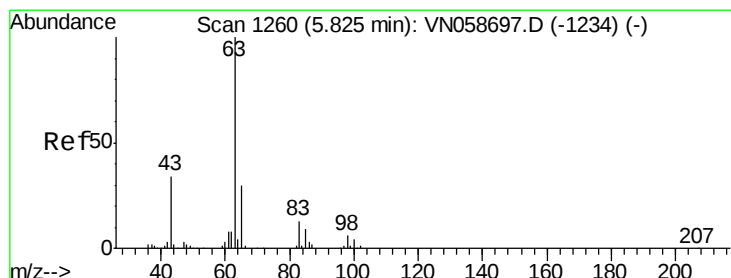
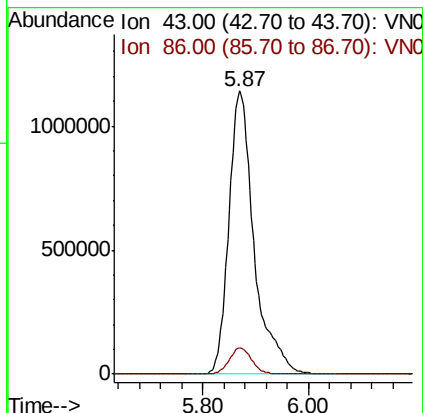
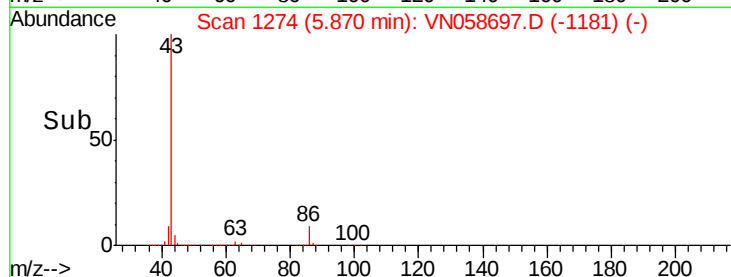
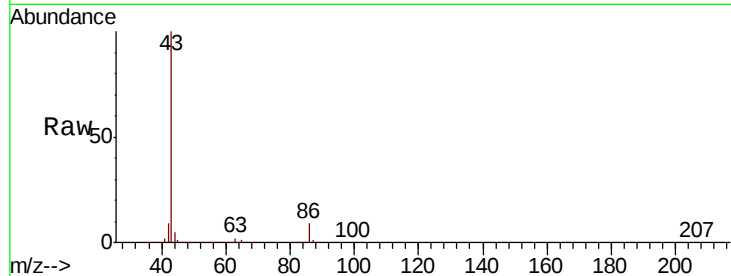
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3774946

Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.0



#24

1,1-Dichloroethane

Concen: 50.867 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

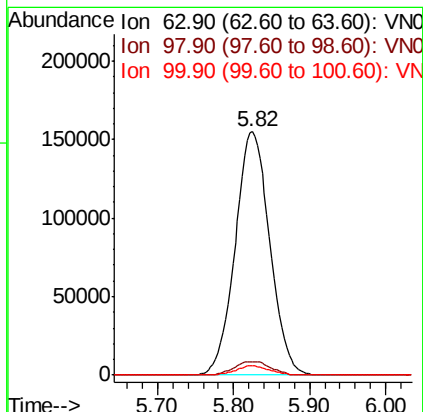
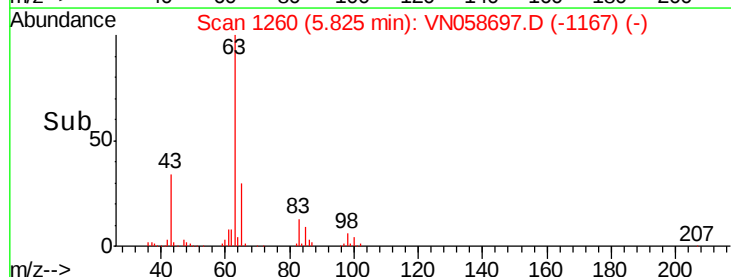
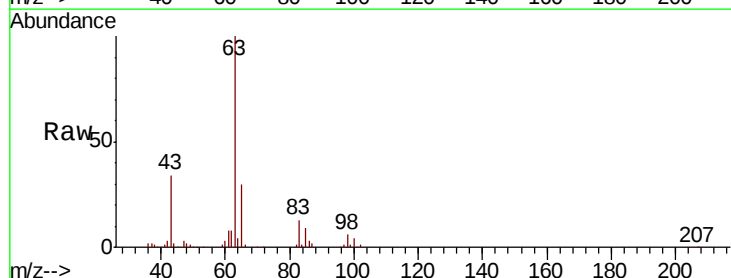
Tgt Ion: 63 Resp: 489455

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 295.910 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

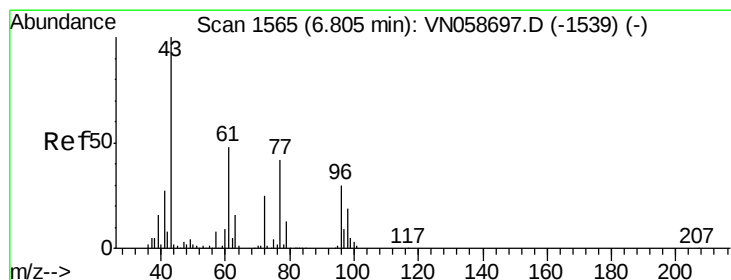
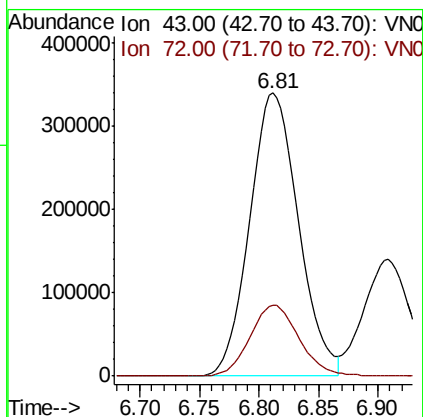
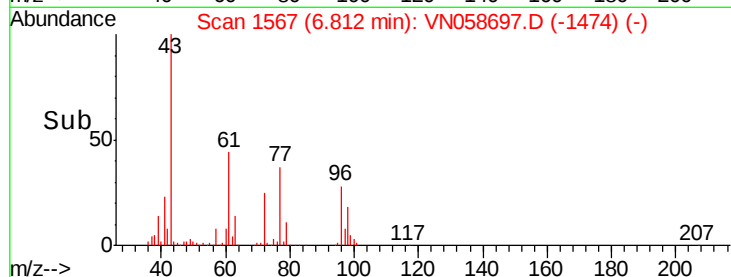
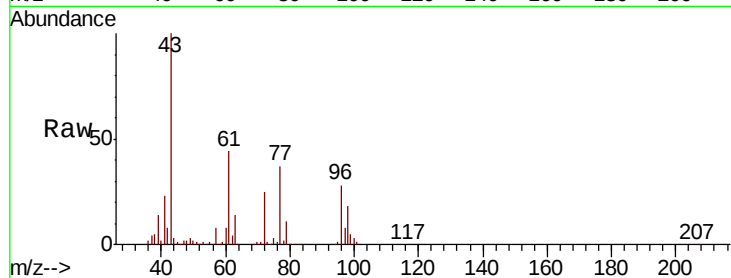
ClientSampleId :

Tot Ion: 43 Resp: 965855

Ion Ratio Lower Upper

43 100

72 25.2 20.2 30.2



#26

2,2-Dichloropropane

Concen: 54.042 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058697.D

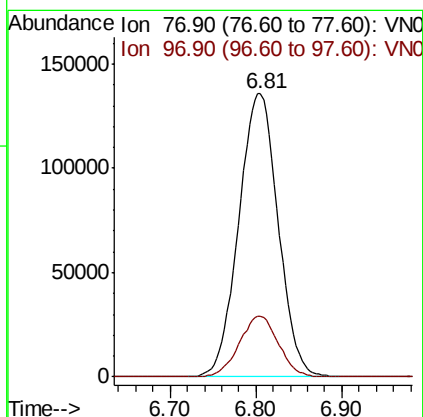
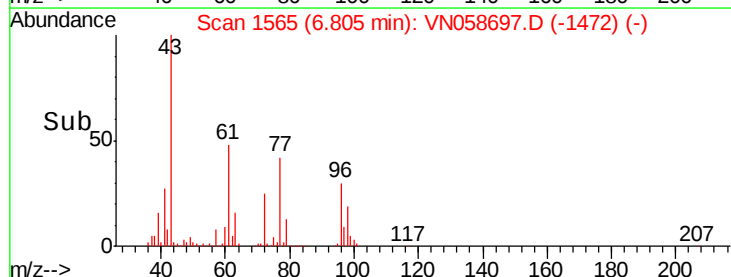
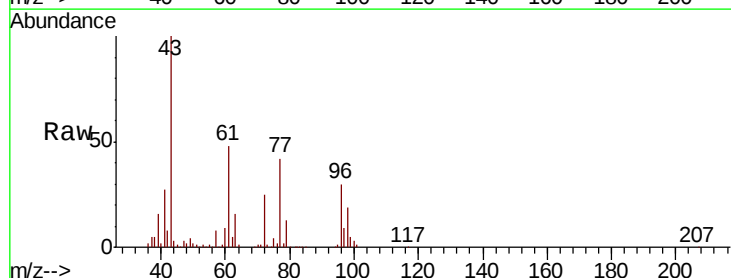
Acq: 11 Oct 2019 12:36

Tgt Ion: 77 Resp: 431716

Ion Ratio Lower Upper

77 100

97 21.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 49.557 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :
MSVOA_N
ClientSampled :

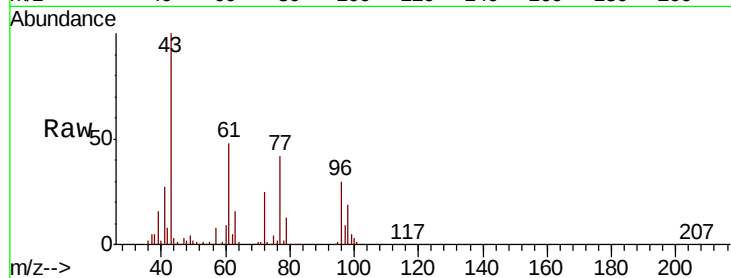
Tot Ion: 96 Resp: 279523

Ion Ratio Lower Upper

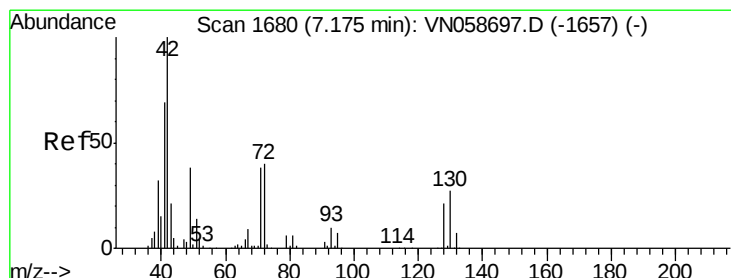
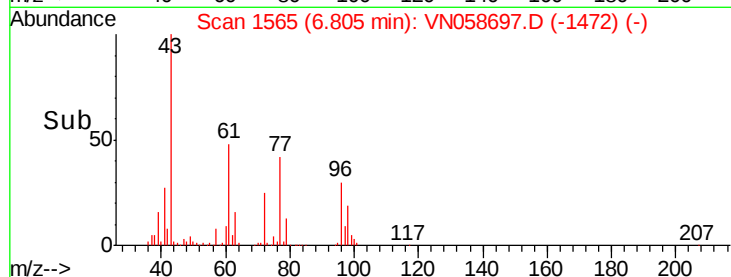
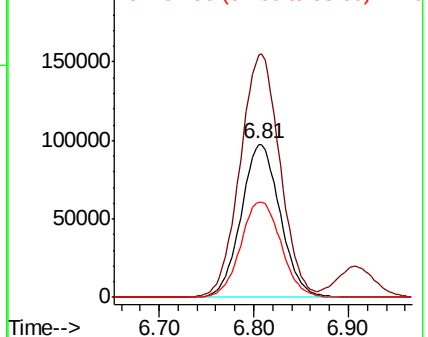
96 100

61 162.4 0.0 324.8

98 64.6 0.0 129.2



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



#28

Bromochloromethane

Concen: 44.945 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

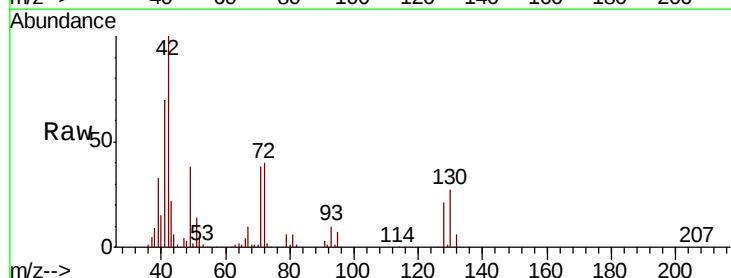
Tgt Ion: 49 Resp: 168393

Ion Ratio Lower Upper

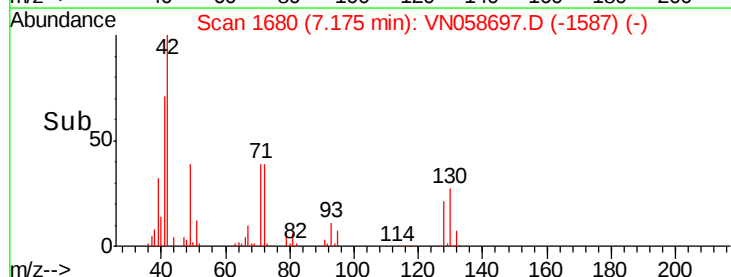
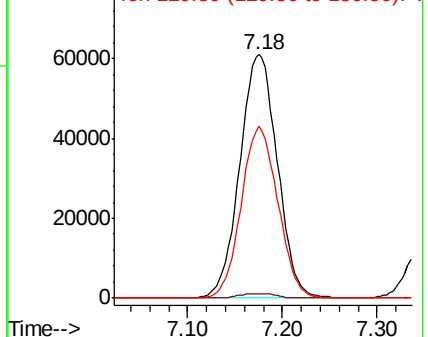
49 100

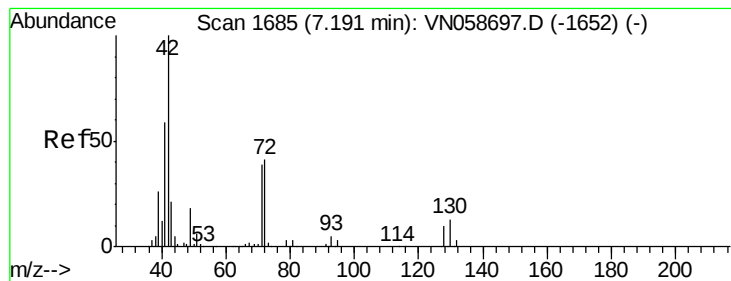
129 1.8 0.0 3.6

130 68.7 55.0 82.4



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 300.785 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

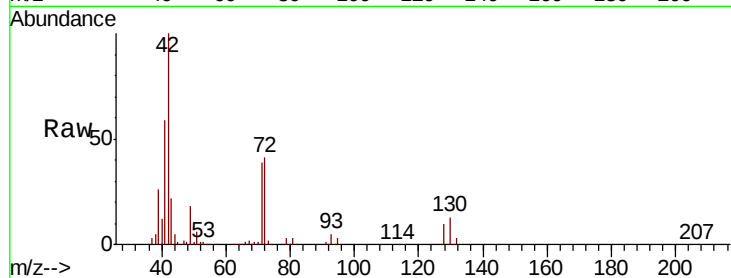
Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 626130

Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.8	49.2
71	38.9	31.1	46.7

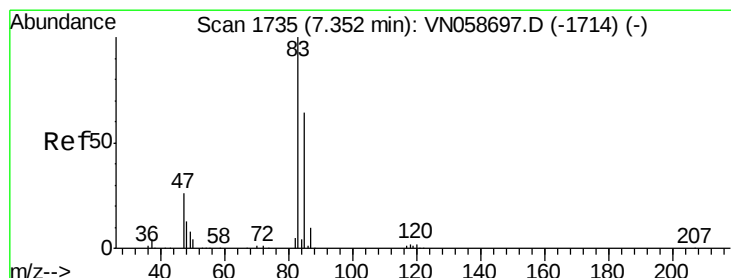
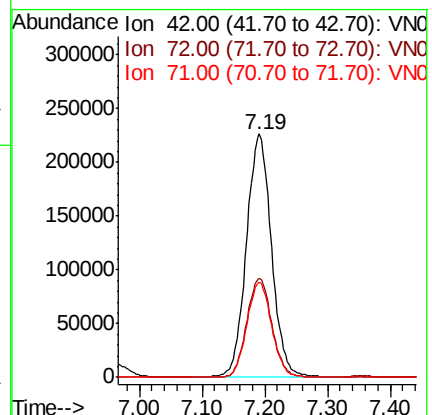
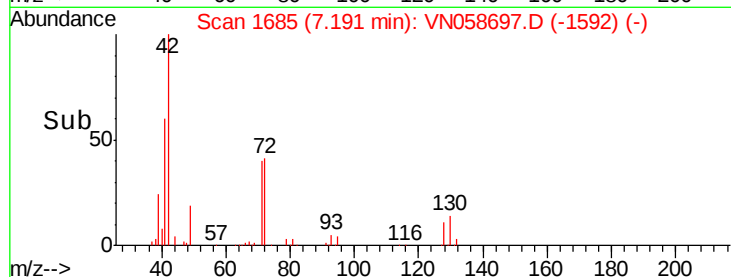


Abundance

Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 49.280 ug/l

RT: 7.35 min Scan# 1735

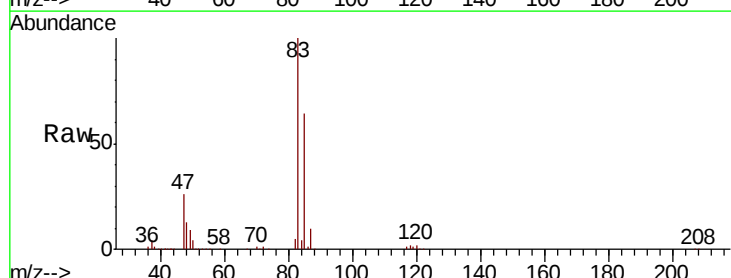
Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Tgt Ion: 83 Resp: 478410

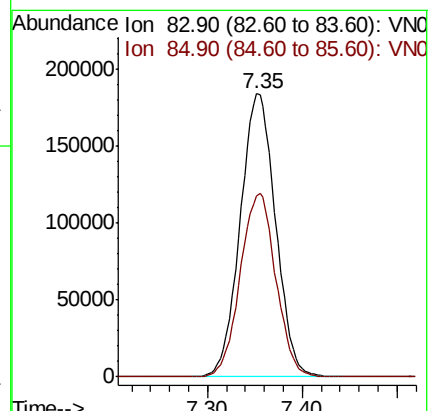
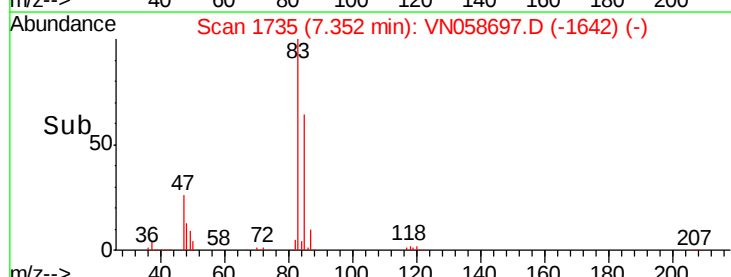
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.6

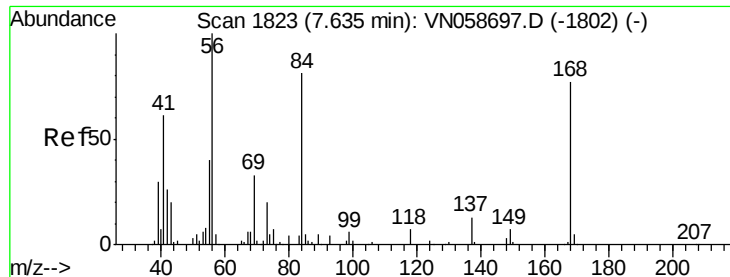


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

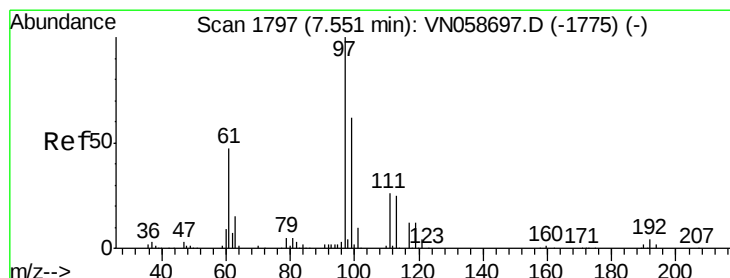
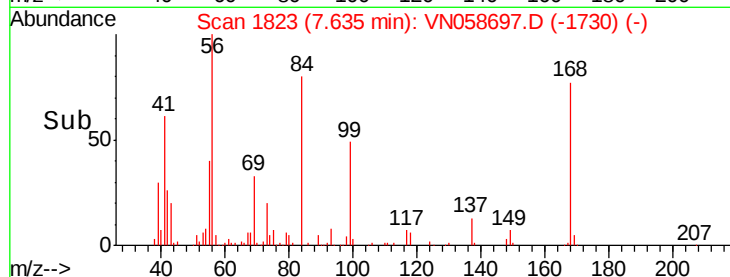
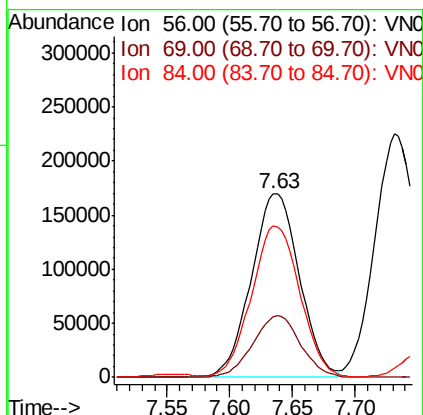
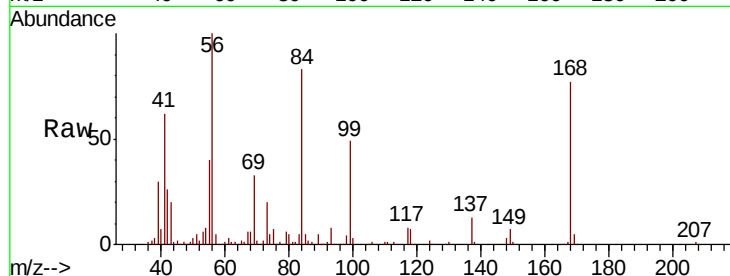




#31
Cyclohexane
Concen: 48.556 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

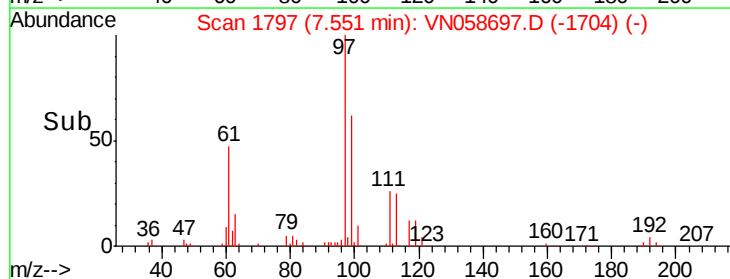
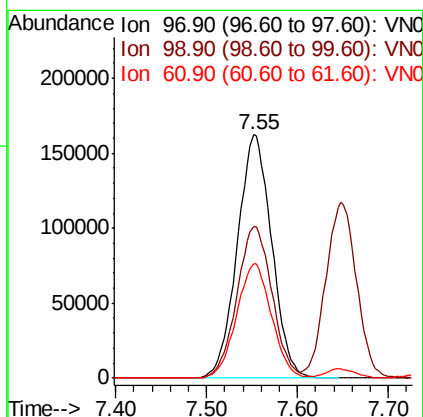
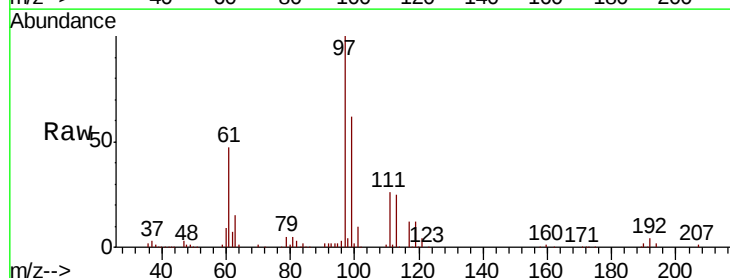
Instrument :
MSVOA_N
ClientSampleId :

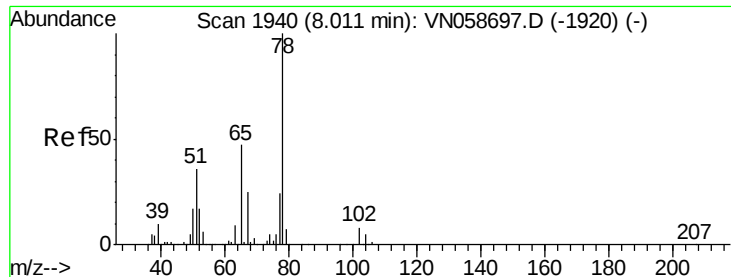
Tot Ion: 56 Resp: 453205
Ion Ratio Lower Upper
56 100
69 32.8 26.2 39.4
84 81.1 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 53.153 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Tgt Ion: 97 Resp: 427004
Ion Ratio Lower Upper
97 100
99 63.5 50.8 76.2
61 47.6 38.1 57.1

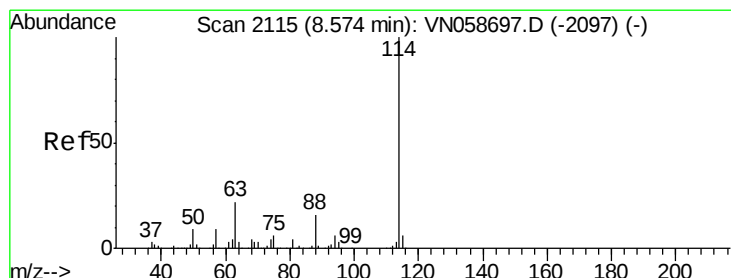
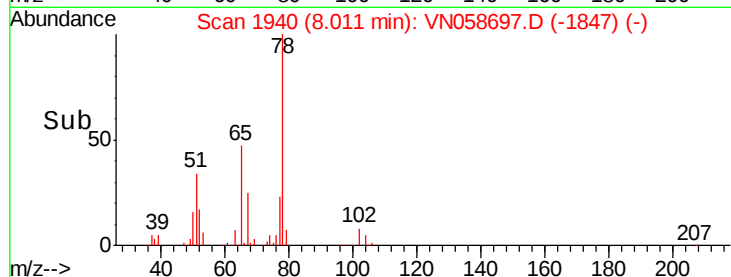
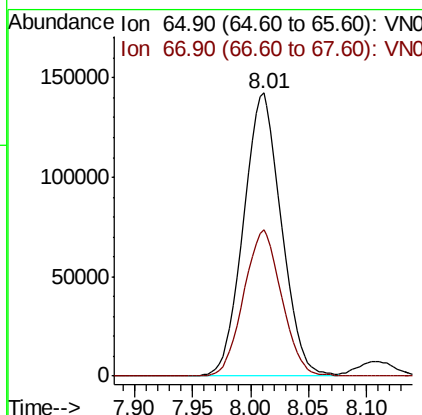
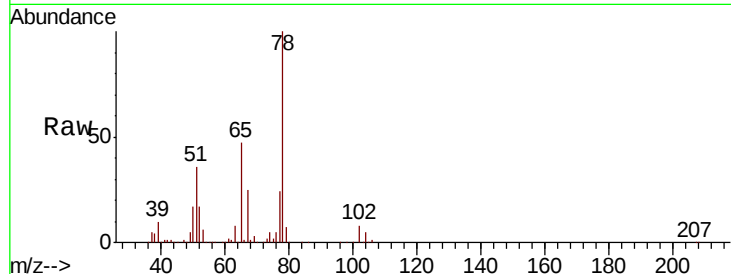




#33
 1,2-Dichloroethane-d4
 Concen: 48.459 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

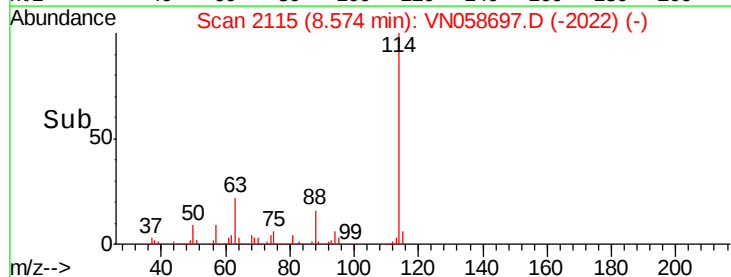
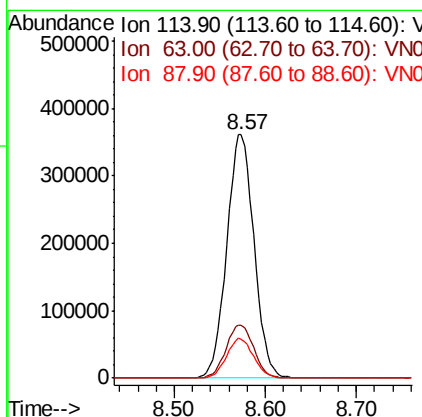
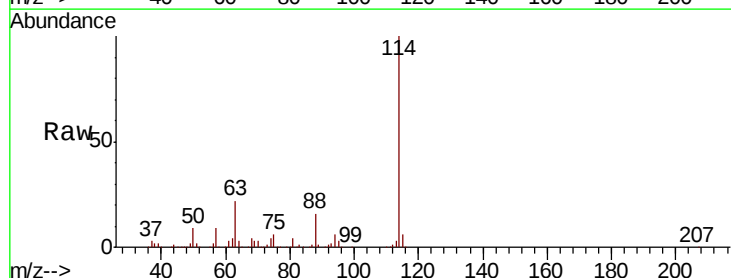
Instrument :
 MSVOA_N
 ClientSampleId :

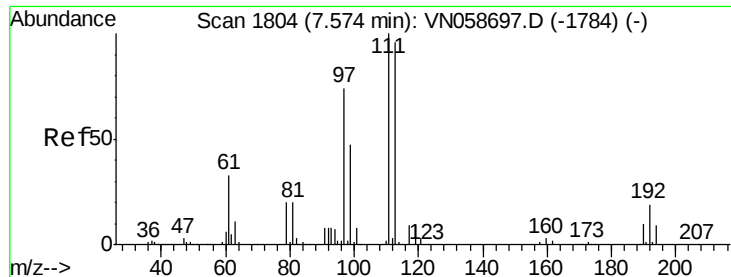
Tot Ion: 65 Resp: 323628
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

Tgt Ion: 114 Resp: 750296
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 16.0 0.0 32.0

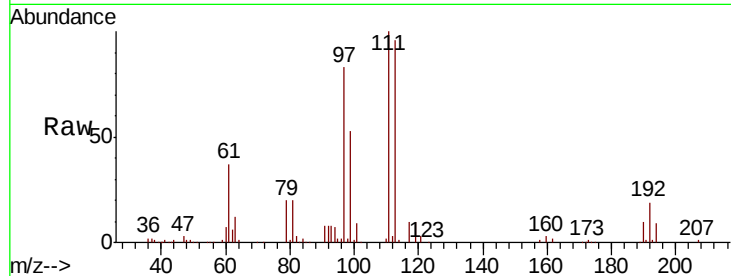




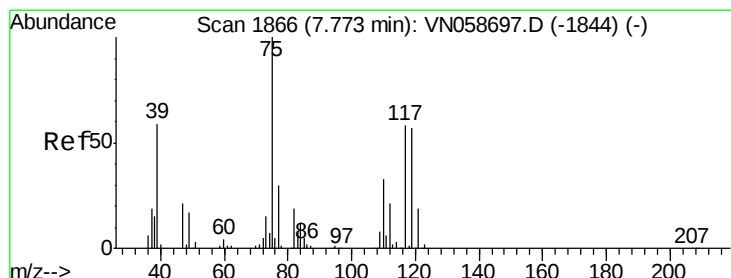
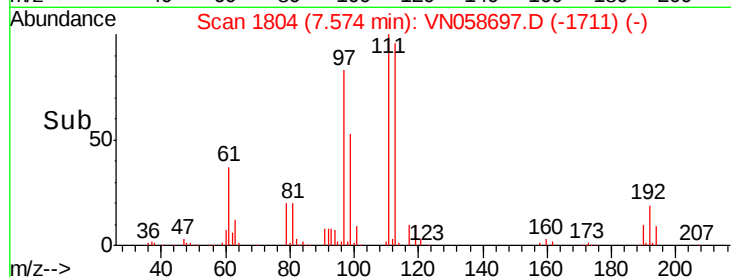
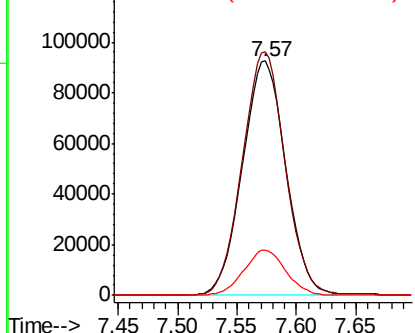
#35
 Dibromofluoromethane
 Concen: 50.809 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.3	123.5
192	18.8	15.0	22.6

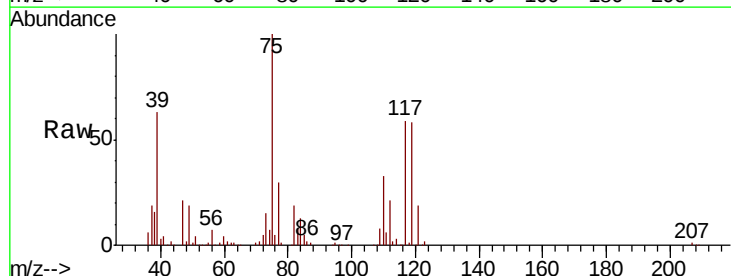


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

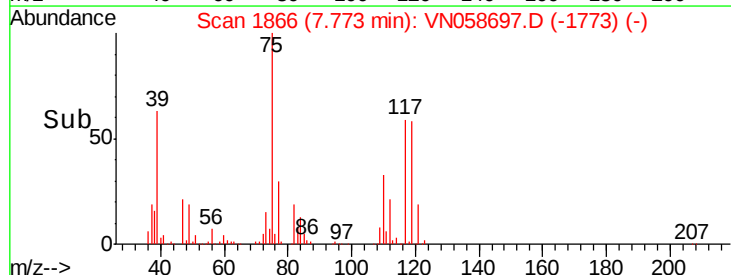
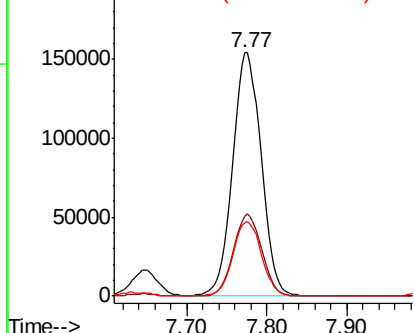


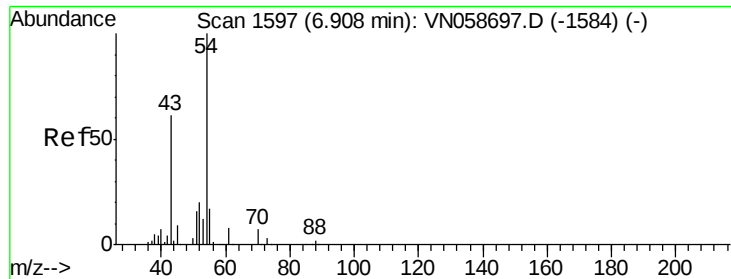
#36
 1,1-Dichloropropene
 Concen: 51.817 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.8
77	30.8	24.6	37.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

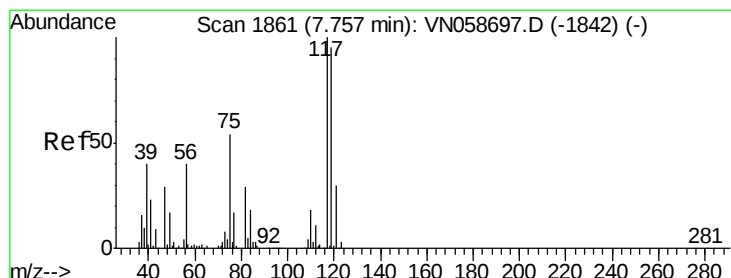
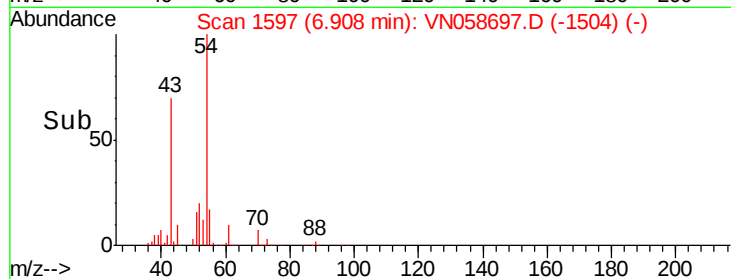
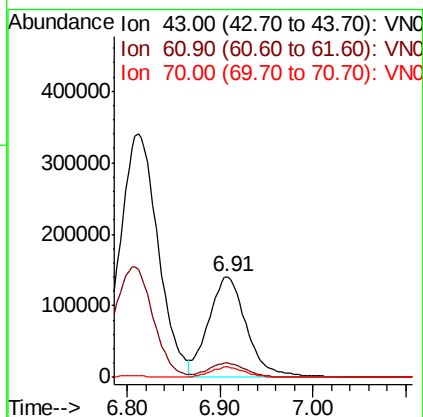
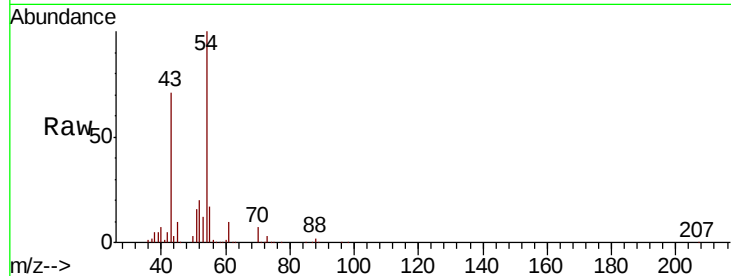




#37
Ethyl Acetate
Concen: 62.257 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

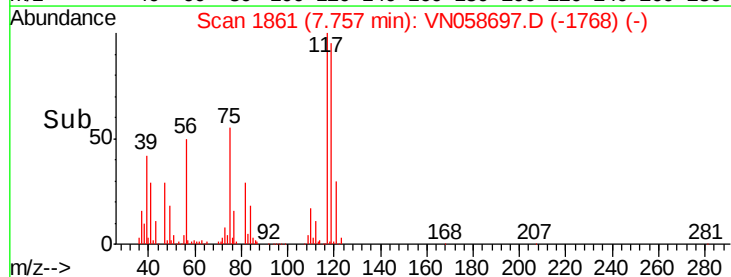
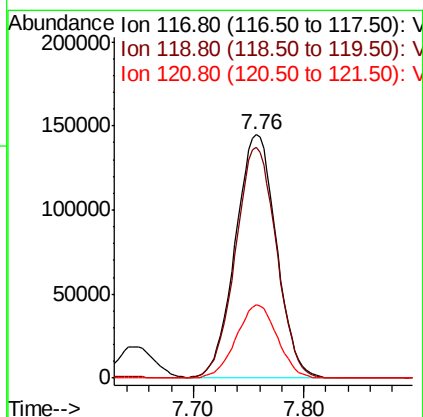
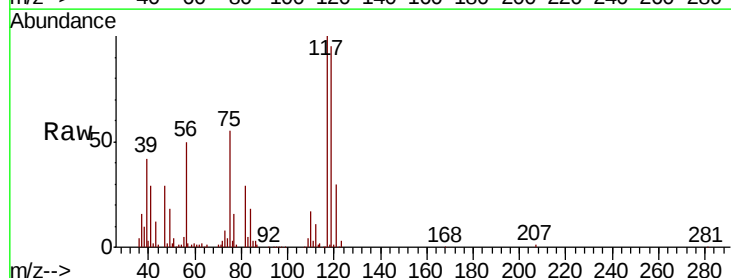
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 394317
Ion Ratio Lower Upper
43 100
61 14.1 11.3 16.9
70 9.0 7.2 10.8



#38
Carbon Tetrachloride
Concen: 56.462 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Tgt Ion: 117 Resp: 372667
Ion Ratio Lower Upper
117 100
119 94.6 75.7 113.5
121 29.9 23.9 35.9

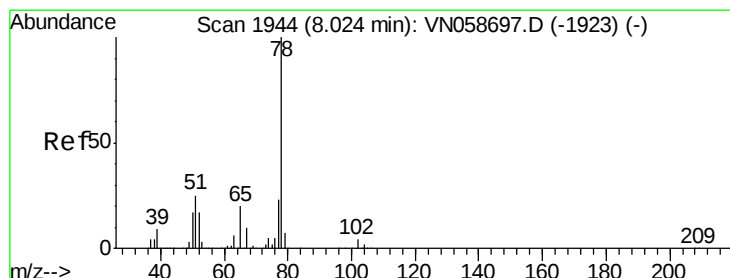
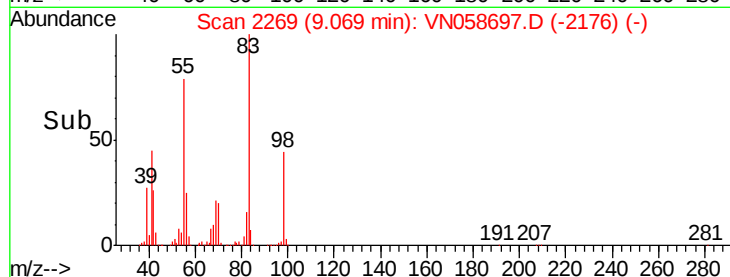
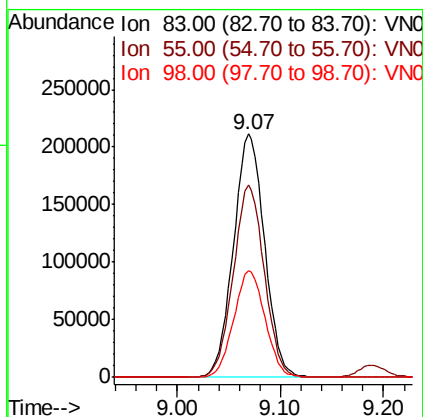
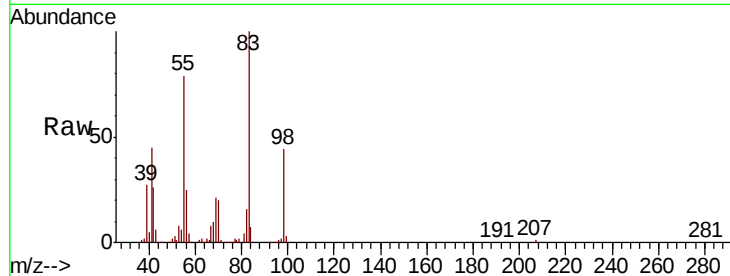




#39
Methvlcvclohexane
Concen: 52.544 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

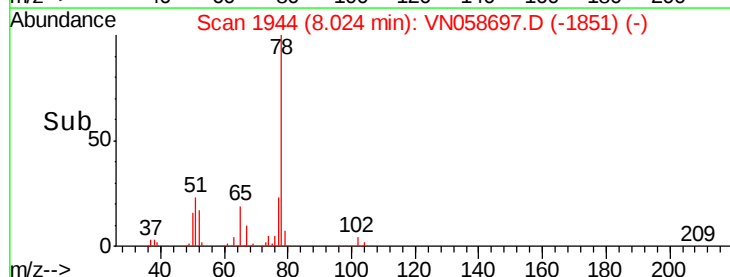
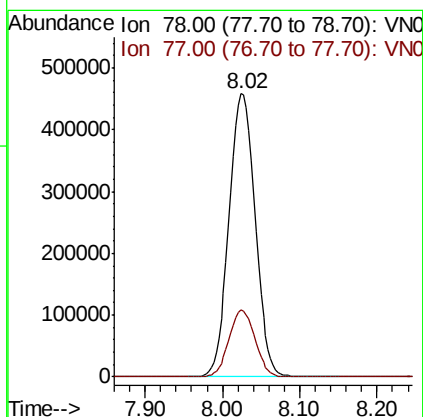
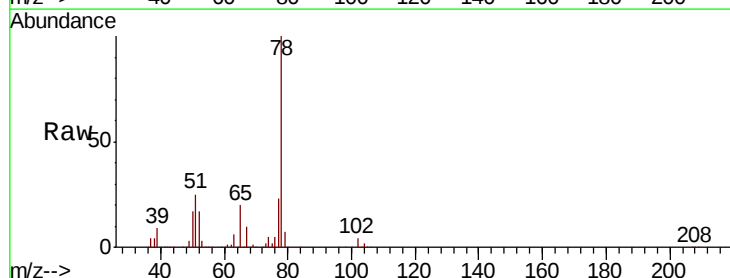
Instrument :
MSVOA_N
ClientSampled :

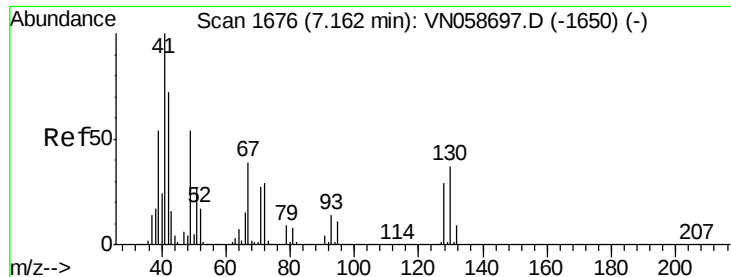
Tot Ion: 83 Resp: 444021
Ion Ratio Lower Upper
83 100
55 79.2 63.4 95.0
98 43.9 35.1 52.7



#40
Benzene
Concen: 51.785 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Tgt Ion: 78 Resp: 1073571
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

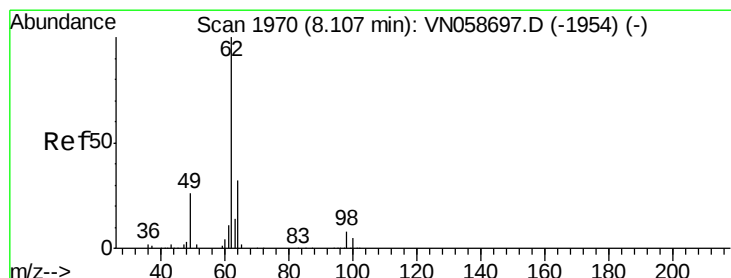
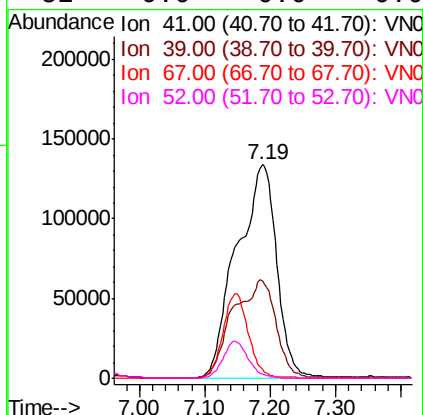
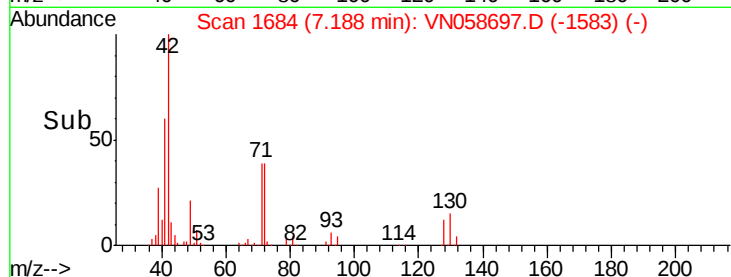
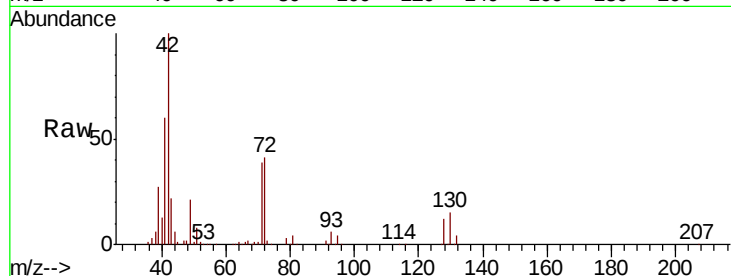




#41
Methacrylonitrile
Concen: 191.776 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

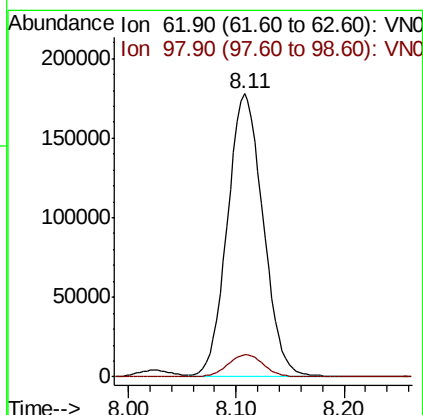
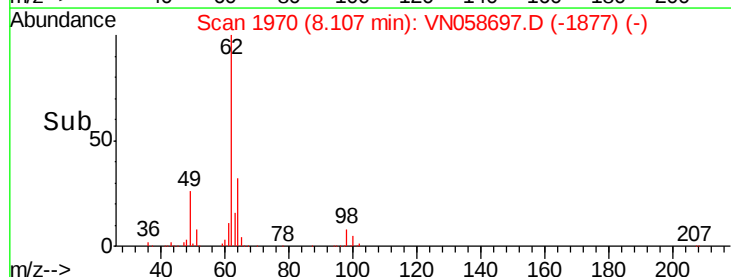
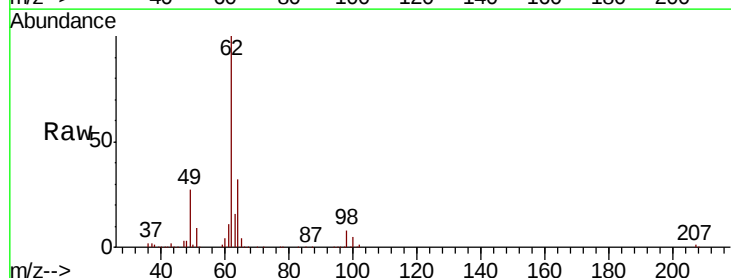
Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 50.614 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 54.878 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :

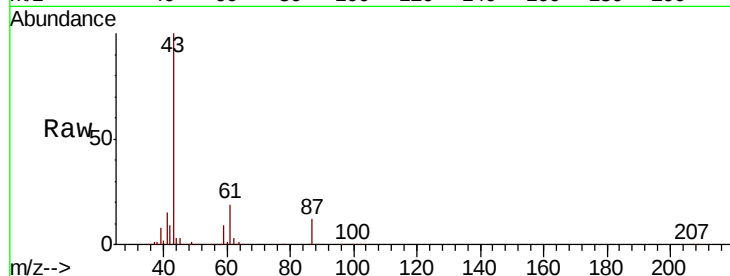
Tot Ion: 43 Resp: 643728

Ion Ratio Lower Upper

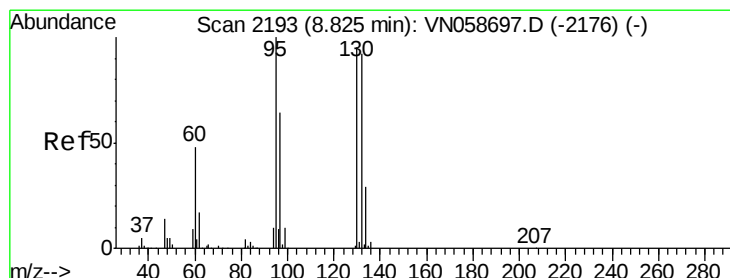
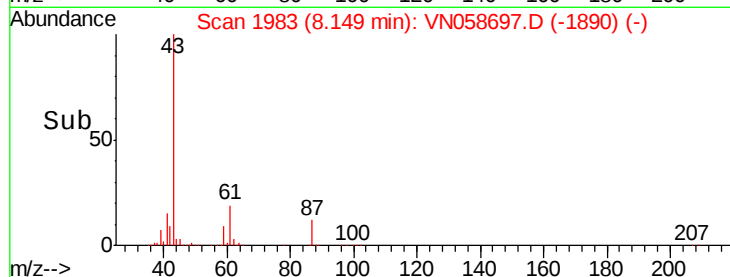
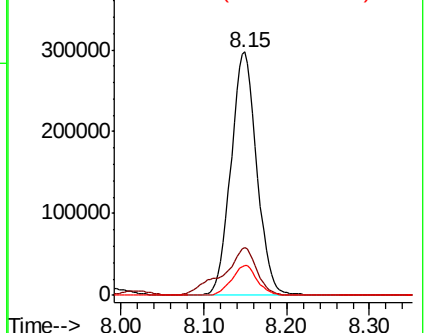
43 100

61 25.4 20.3 30.5

87 12.2 9.8 14.6



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



#44

Trichloroethene

Concen: 51.978 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058697.D

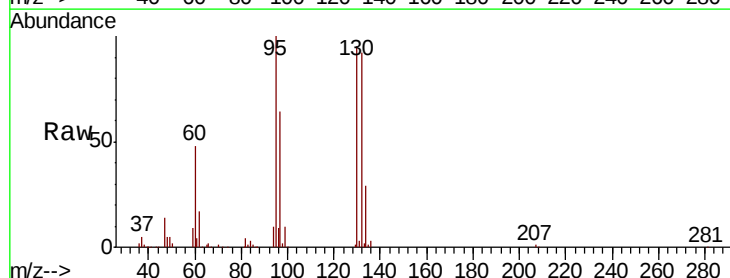
Acq: 11 Oct 2019 12:36

Tgt Ion:130 Resp: 265693

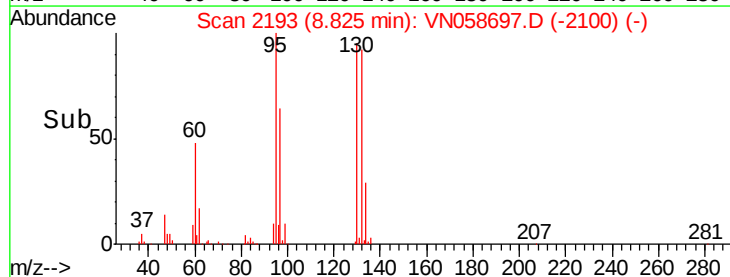
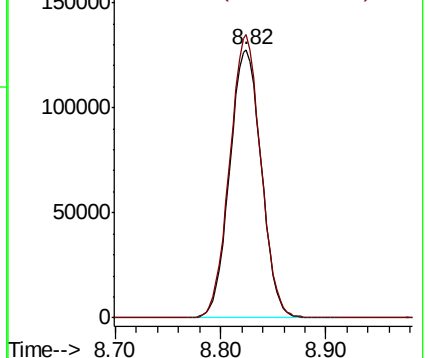
Ion Ratio Lower Upper

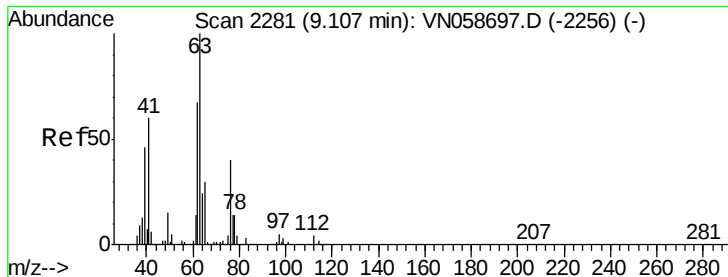
130 100

95 105.6 0.0 211.2



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





#45

1,2-Dichloropropane

Concen: 52.140 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

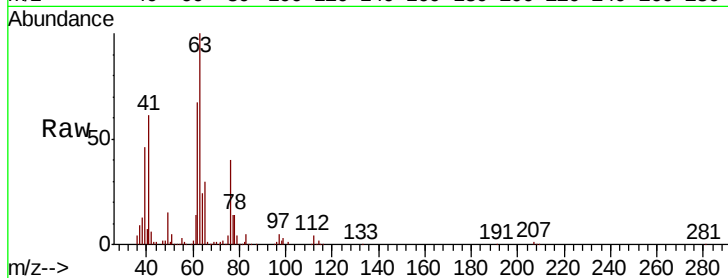
ClientSampleId :

Tot Ion: 63 Resp: 290188

Ion Ratio Lower Upper

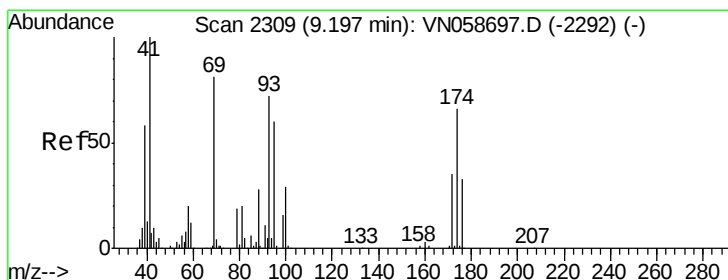
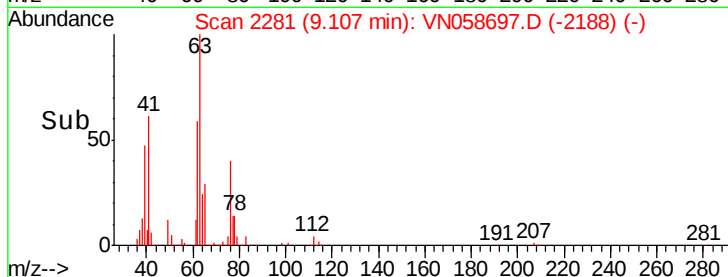
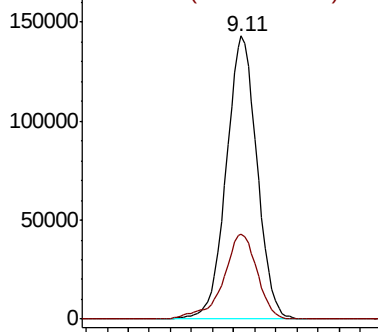
63 100

65 30.1 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.357 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

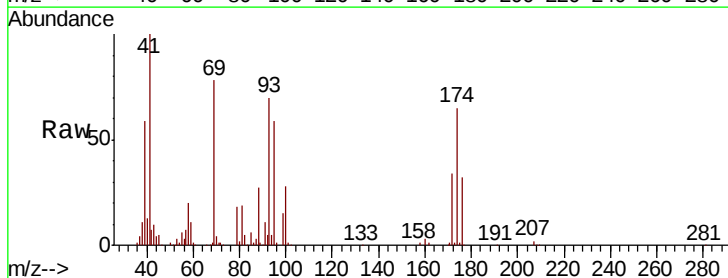
Tgt Ion: 93 Resp: 184943

Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

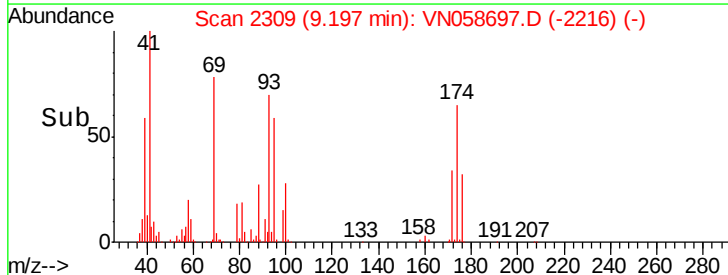
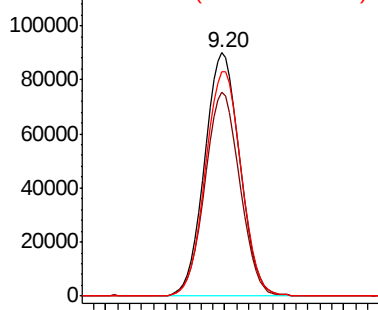
174 94.0 75.2 112.8

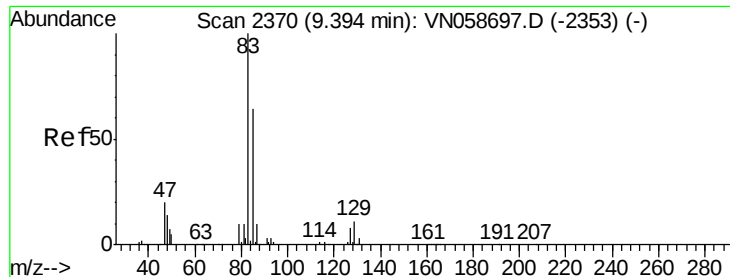


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 56.440 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :

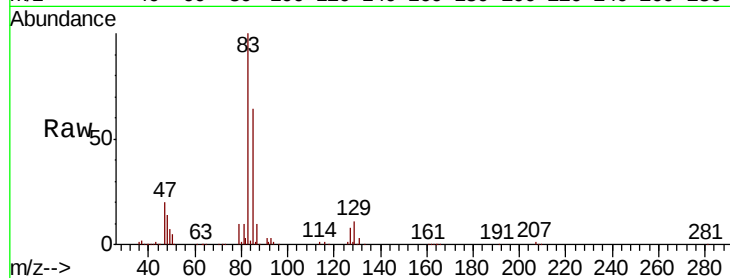
Tot Ion: 83 Resp: 380723

Ion Ratio Lower Upper

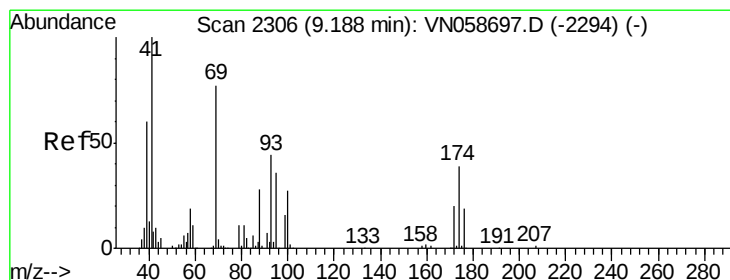
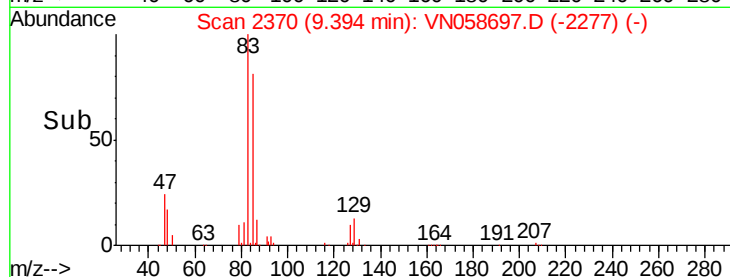
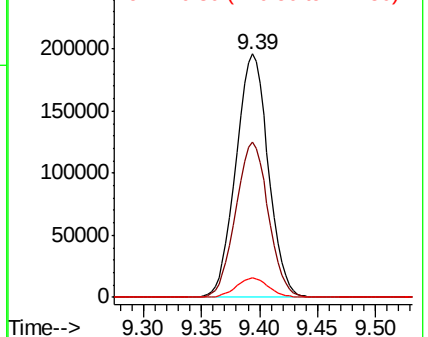
83 100

85 63.6 50.9 76.3

127 7.9 6.3 9.5



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



#48

Methyl methacrylate

Concen: 56.350 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

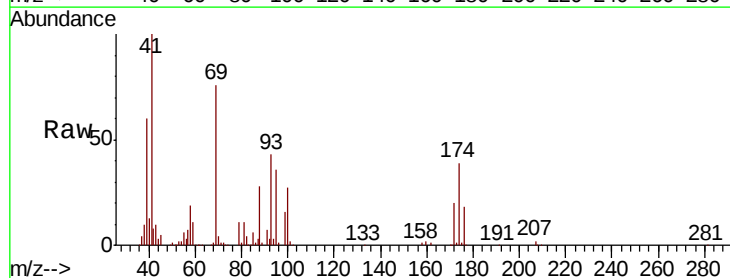
Tgt Ion: 41 Resp: 300333

Ion Ratio Lower Upper

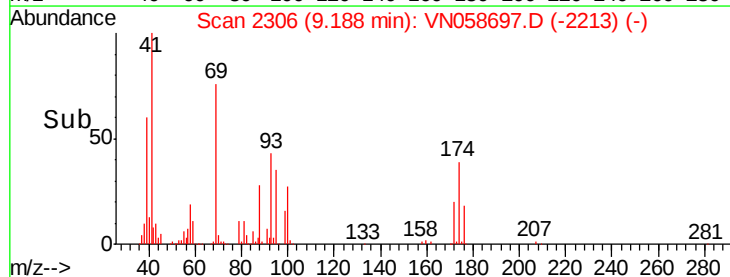
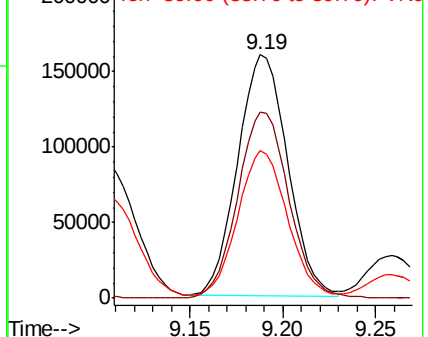
41 100

69 79.3 63.4 95.2

39 61.1 48.9 73.3



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

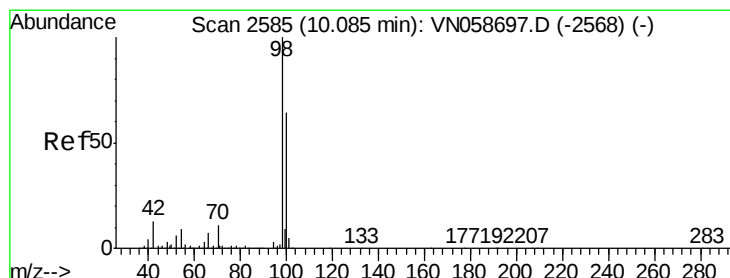
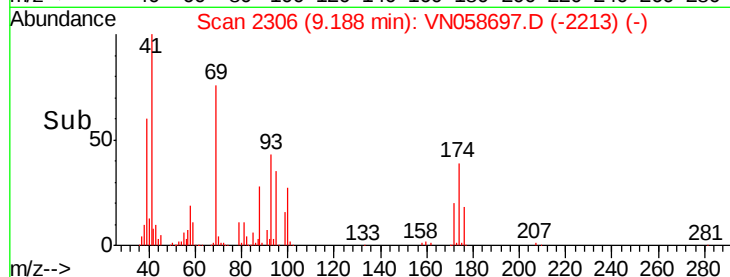
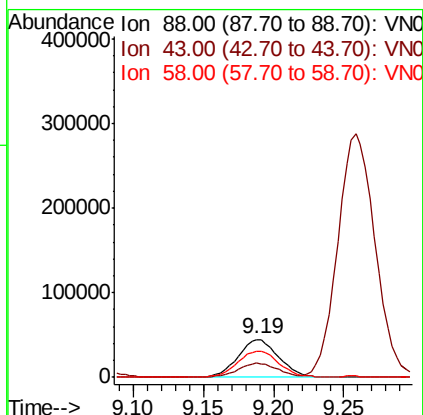
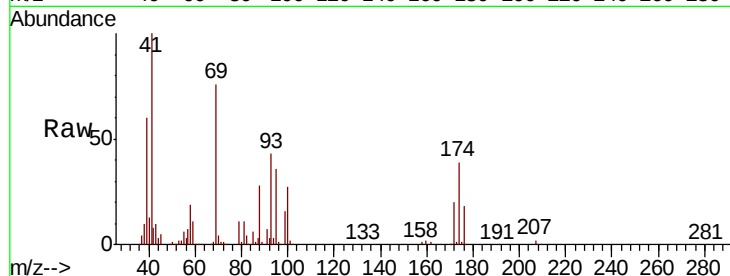




#49
1,4-Dioxane
Concen: 1244.468 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

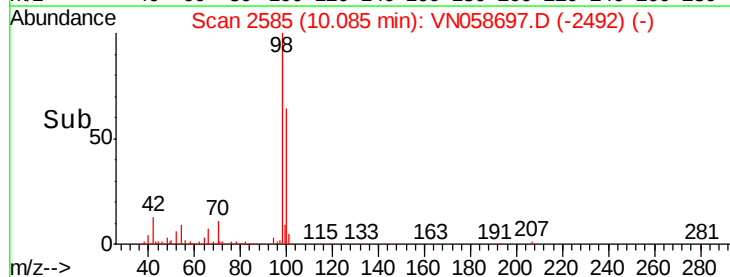
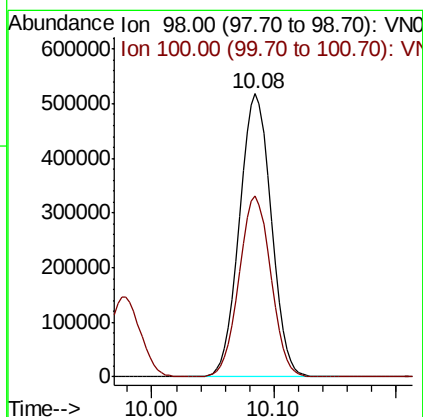
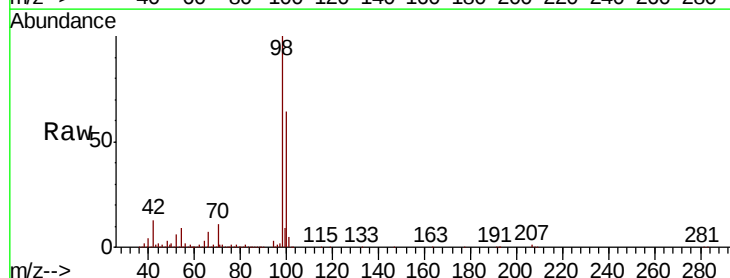
Instrument :
MSVOA_N
ClientSampleId :

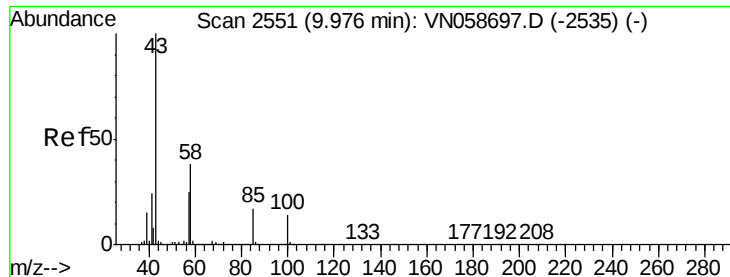
Tot Ion: 88 Resp: 90226
Ion Ratio Lower Upper
88 100
43 35.8 28.6 43.0
58 71.5 57.2 85.8



#50
Toluene-d8
Concen: 51.669 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Tgt Ion: 98 Resp: 931721
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7

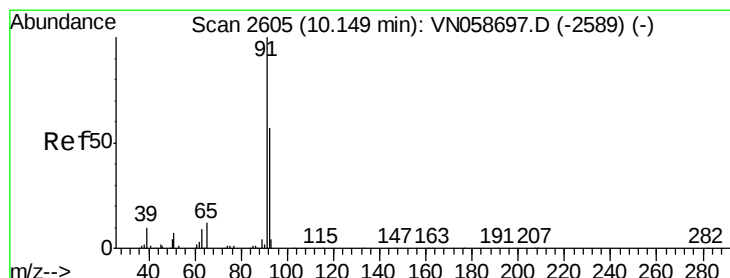
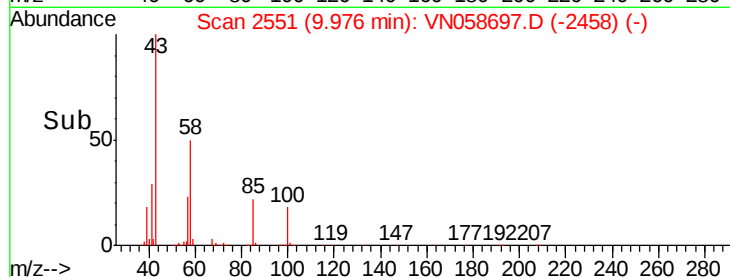
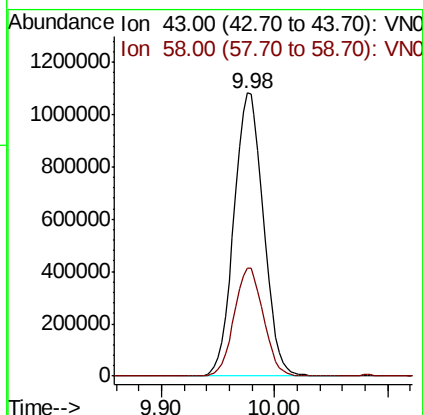
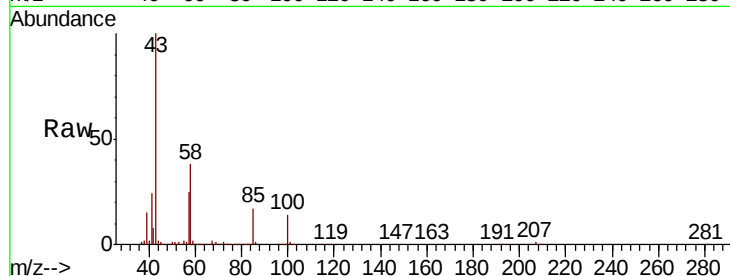




#51
 4-Methyl-2-Pentanone
 Concen: 320.589 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

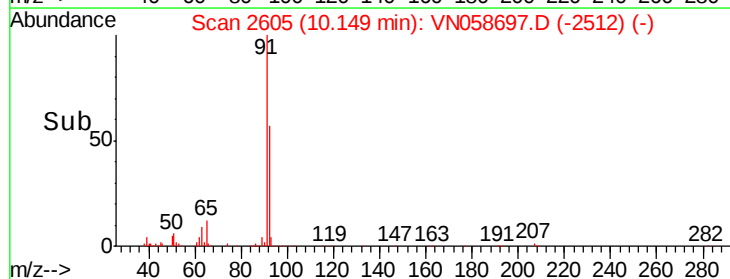
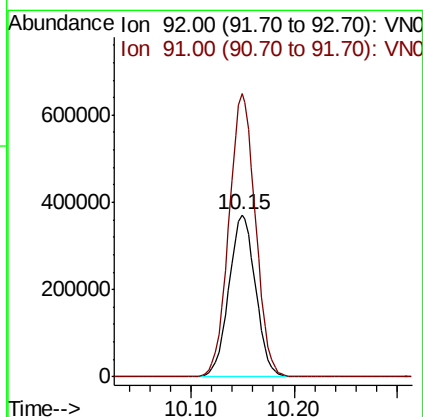
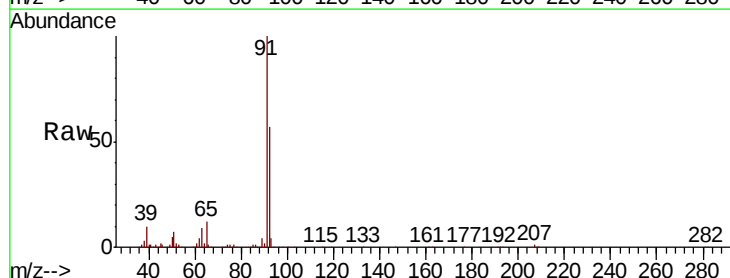
Instrument :
 MSVOA_N
 ClientSampled :

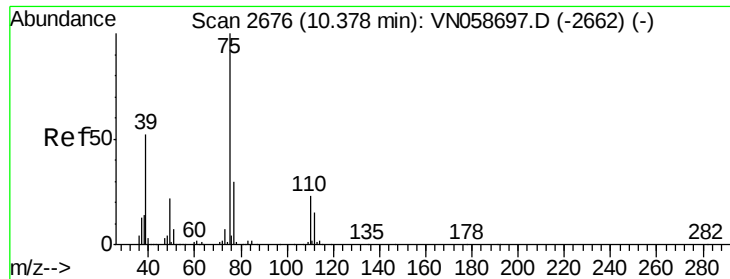
Tot Ion: 43 Resp: 1969532
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.3 45.5



#52
 Toluene
 Concen: 51.072 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

Tgt Ion: 92 Resp: 667653
 Ion Ratio Lower Upper
 92 100
 91 173.9 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 59.436 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

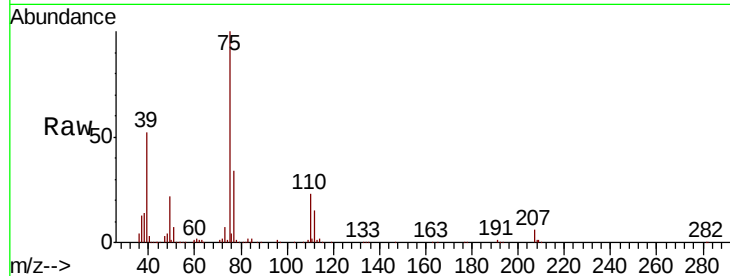
ClientSampled :

Tot Ion: 75 Resp: 437696

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

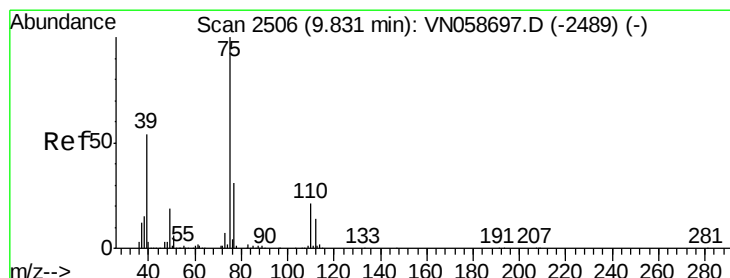
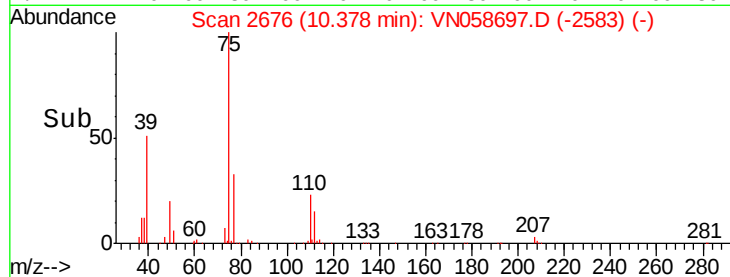
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 57.328 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

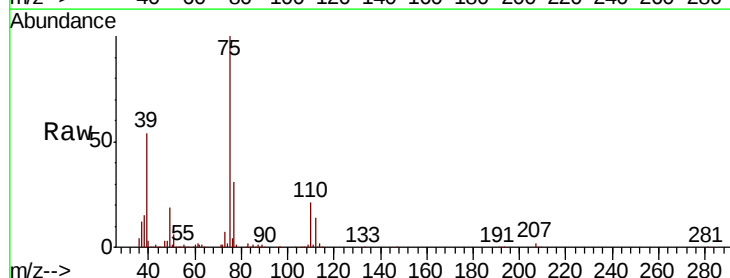
Tgt Ion: 75 Resp: 465825

Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6

39 53.9 43.1 64.7



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

9.83

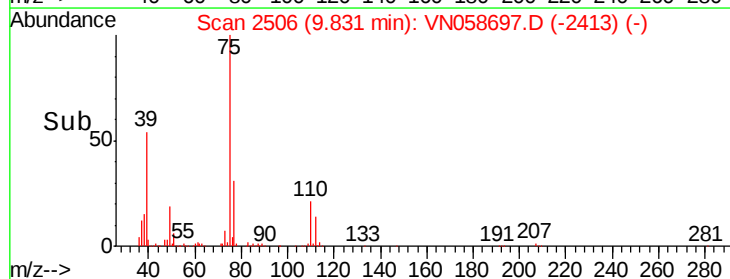
300000

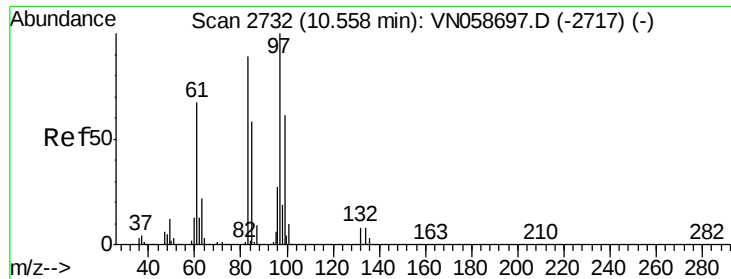
200000

100000

0

Time-->

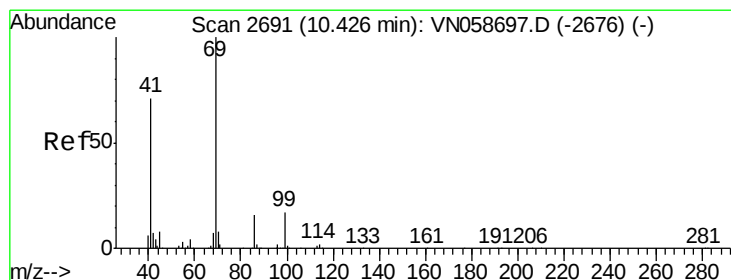
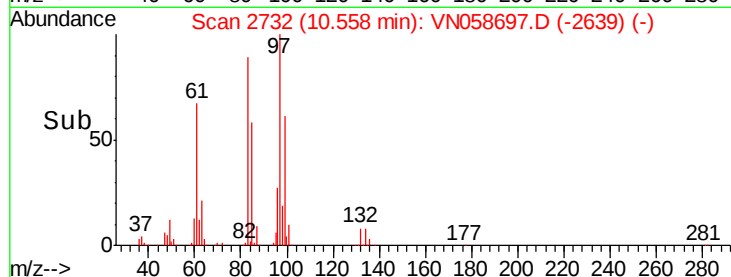
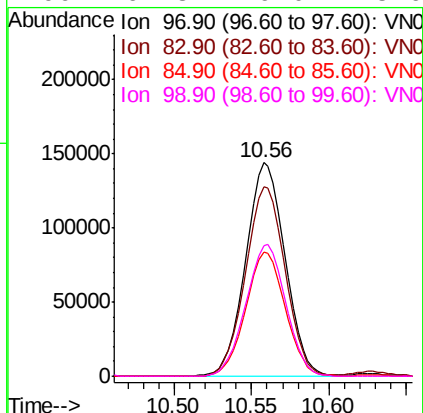
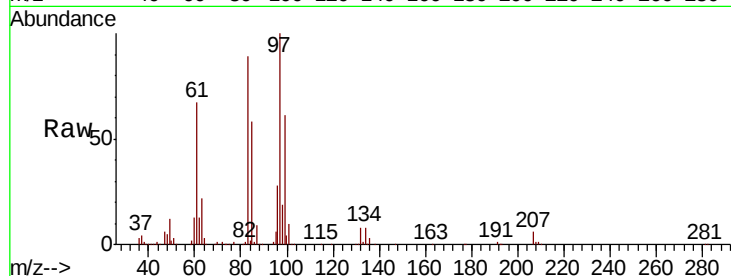




#55
 1,1,2-Trichloroethane
 Concen: 53.682 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

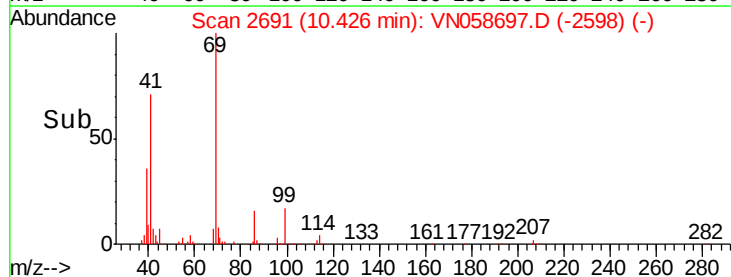
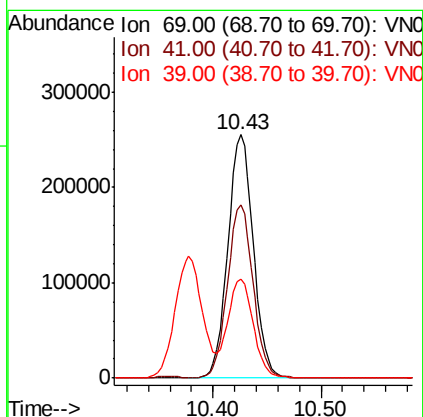
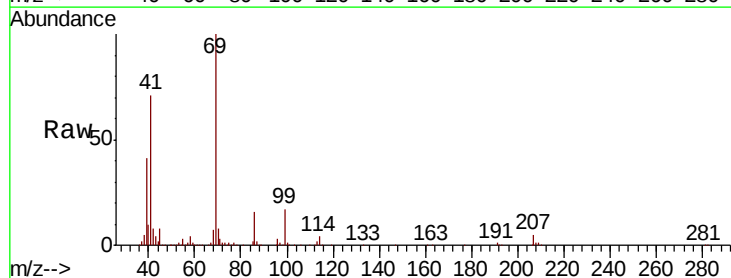
Instrument :
 MSVOA_N
 ClientSampleId :

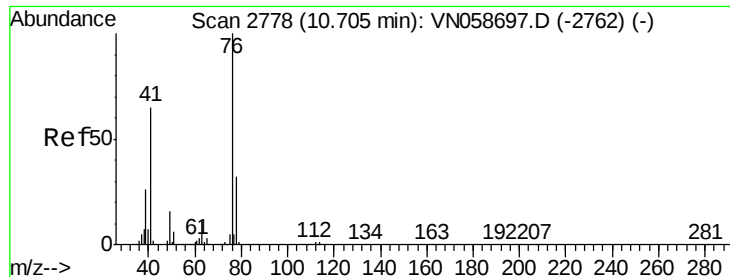
Tot Ion:	97	Resp:	256366
Ion	Ratio	Lower	Upper
97	100		
83	89.0	71.2	106.8
85	58.4	46.7	70.1
99	61.3	49.0	73.6



#56
 Ethyl methacrylate
 Concen: 57.341 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

Tgt Ion:	69	Resp:	418487
Ion	Ratio	Lower	Upper
69	100		
41	71.0	56.8	85.2
39	40.6	32.5	48.7





#57

1,3-Dichloropropane

Concen: 53.943 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

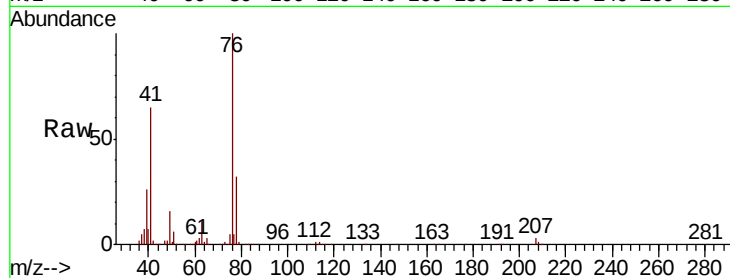
ClientSampleId :

Tot Ion: 76 Resp: 459783

Ion Ratio Lower Upper

76 100

78 32.4 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

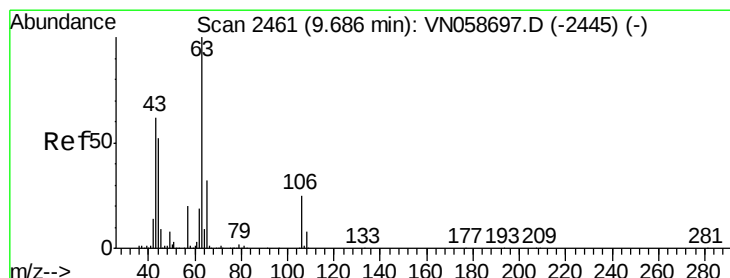
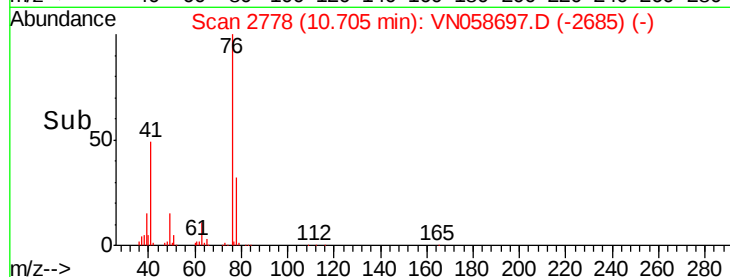
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 333.743 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058697.D

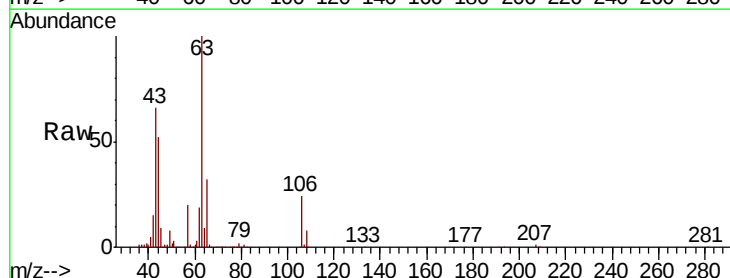
Acq: 11 Oct 2019 12:36

Tgt Ion: 63 Resp: 1007906

Ion Ratio Lower Upper

63 100

106 25.0 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

600000

500000

400000

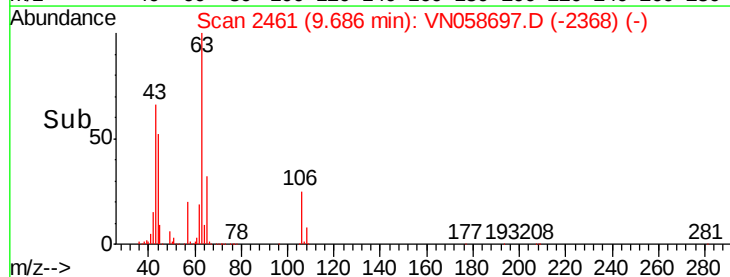
300000

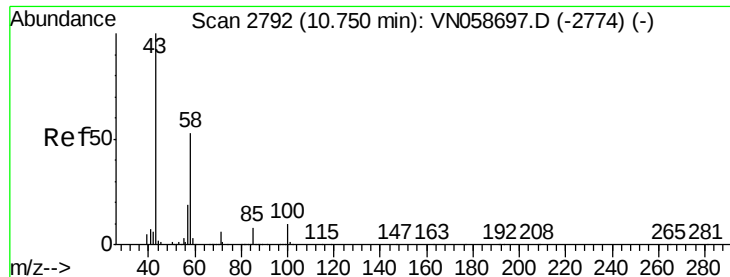
200000

100000

0

Time--> 9.60 9.70 9.80





#59

2-Hexanone

Concen: 333.517 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

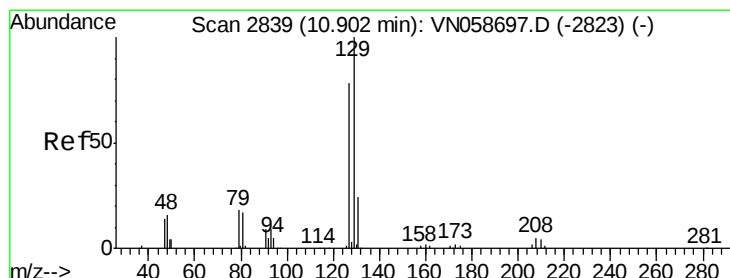
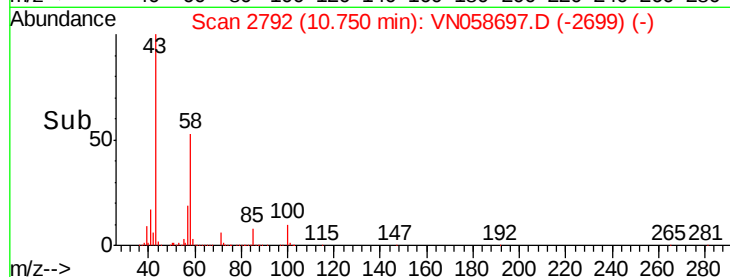
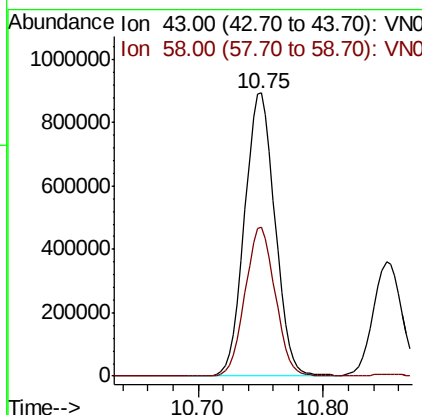
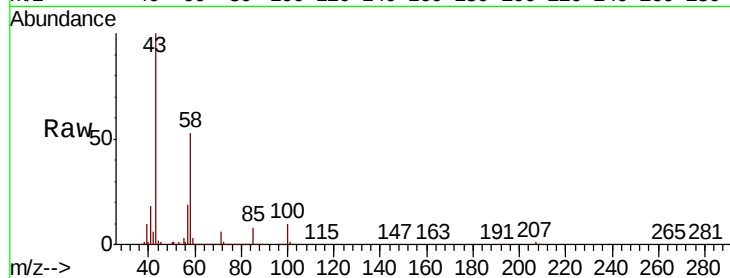
ClientSampled :

Tot Ion: 43 Resp: 1508705

Ion Ratio Lower Upper

43 100

58 52.2 26.1 78.3



#60

Dibromochloromethane

Concen: 61.943 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058697.D

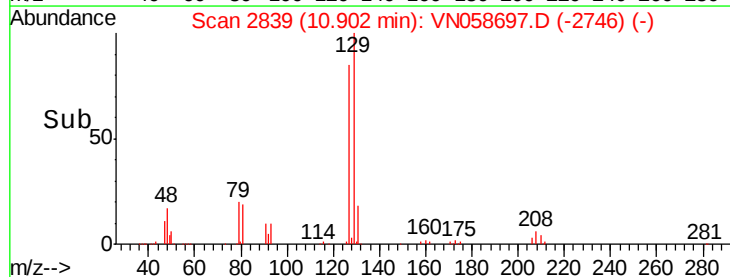
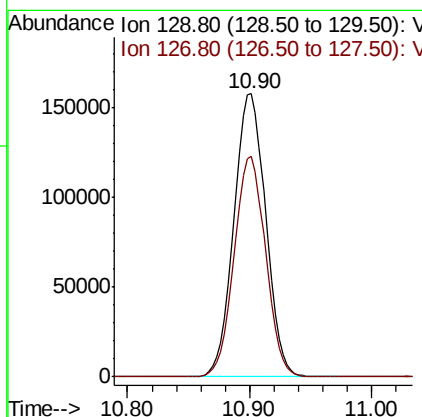
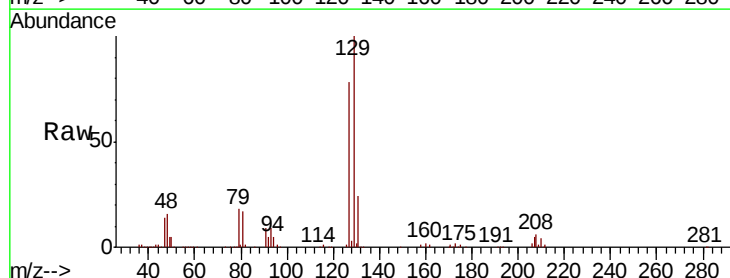
Acq: 11 Oct 2019 12:36

Tgt Ion: 129 Resp: 285675

Ion Ratio Lower Upper

129 100

127 76.9 38.5 115.3

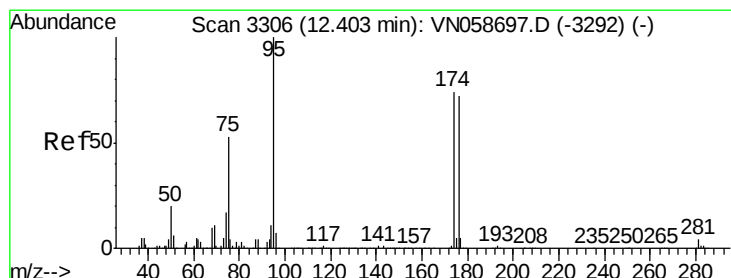
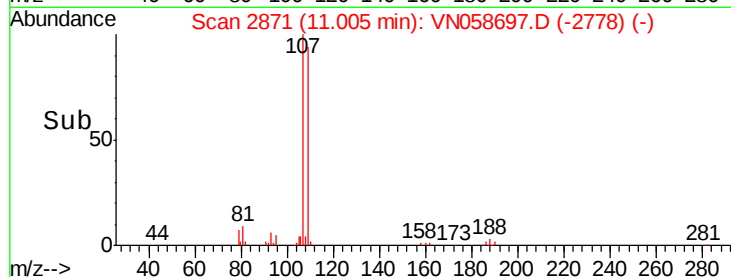
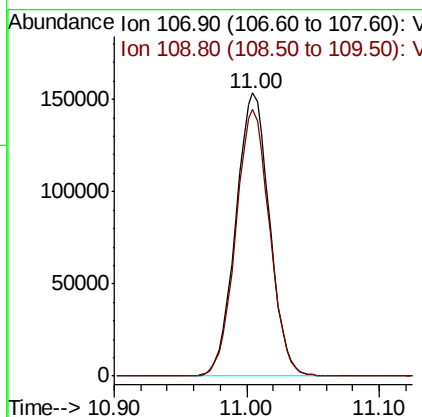
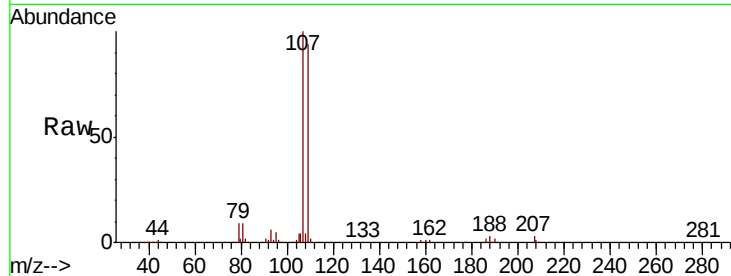




#61
 1,2-Dibromoethane
 Concen: 55.454 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

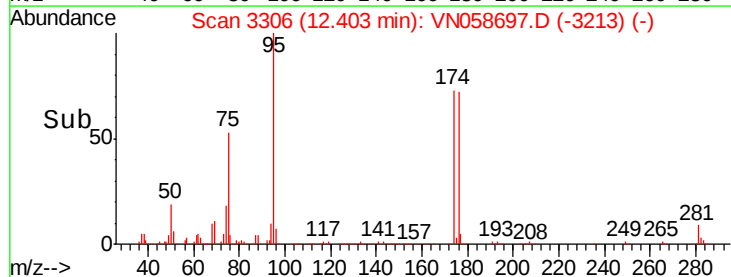
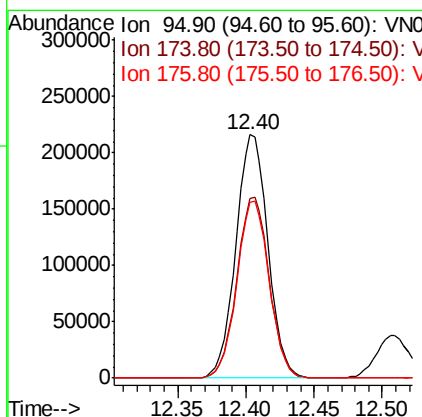
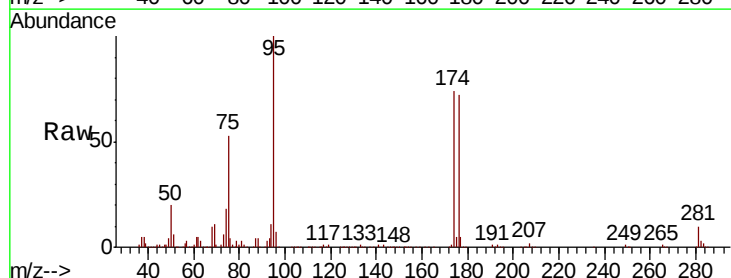
Instrument :
 MSVOA_N
 ClientSampleId :

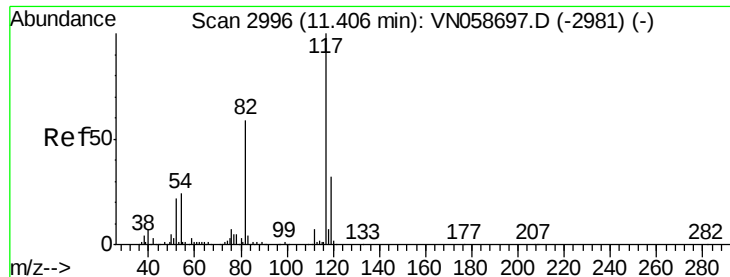
Tot Ion: 107 Resp: 271703
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 53.419 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

Tgt Ion: 95 Resp: 352051
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 150.4
 176 73.4 0.0 146.8

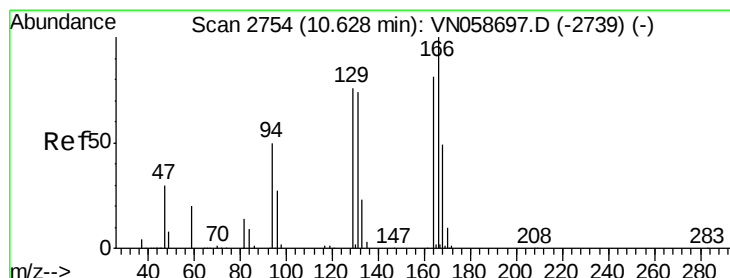
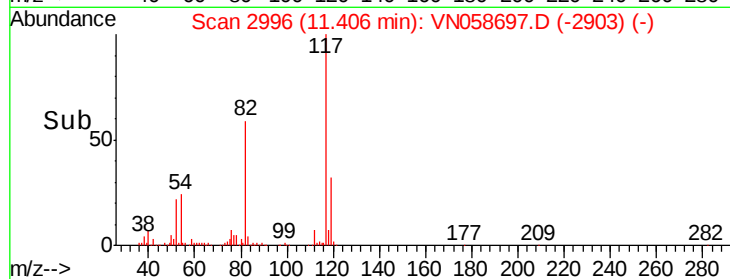
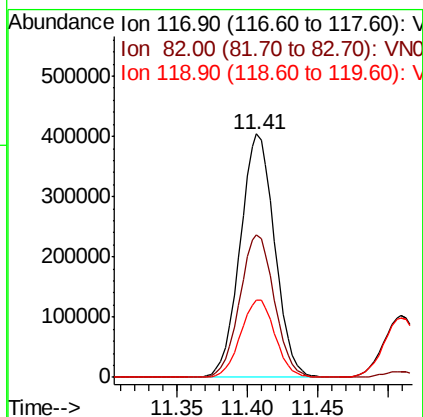
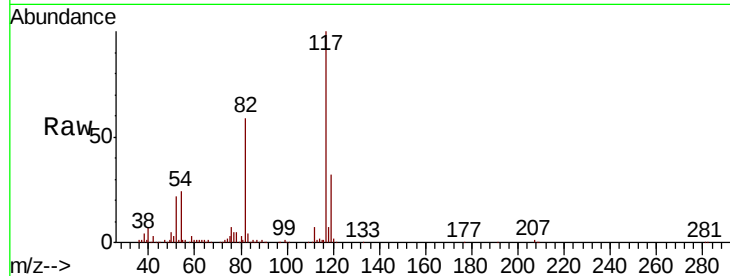




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

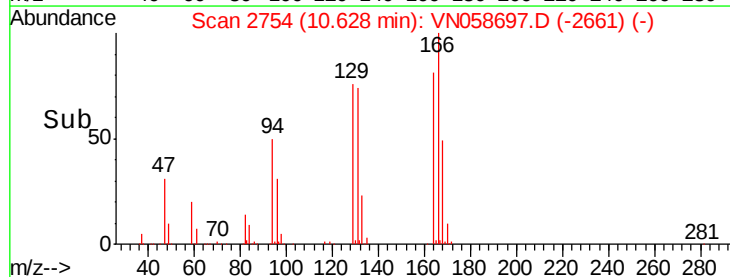
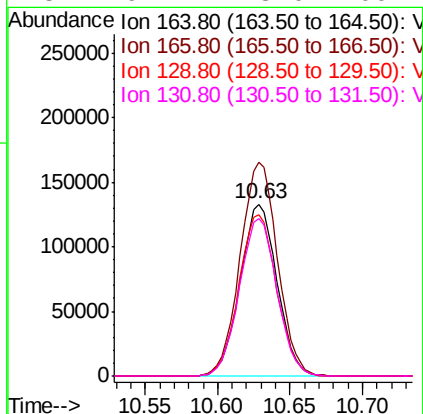
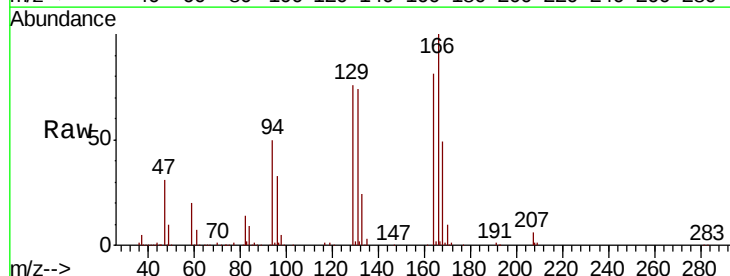
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 692637
Ion Ratio Lower Upper
117 100
82 58.7 47.0 70.4
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 52.891 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Tgt Ion:164 Resp: 235650
Ion Ratio Lower Upper
164 100
166 124.1 99.3 148.9
129 94.0 75.2 112.8
131 91.2 73.0 109.4

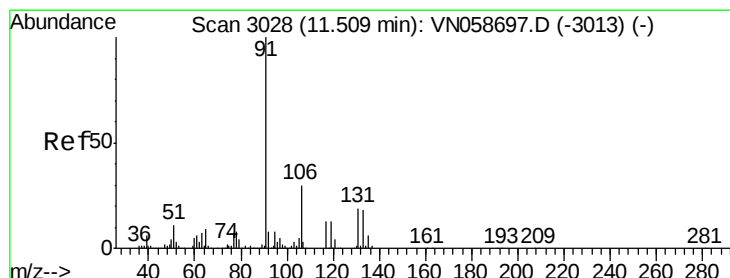
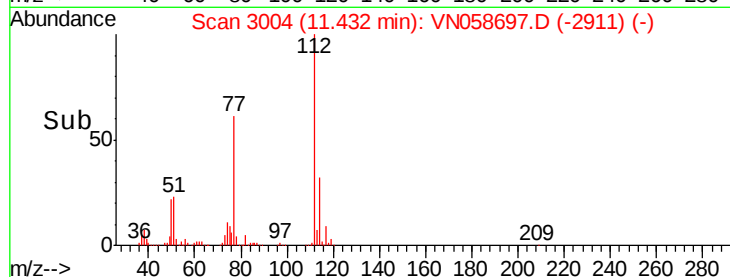
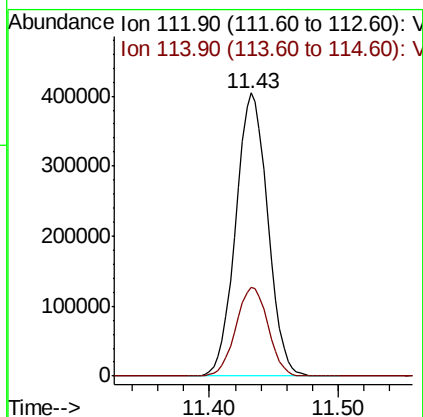
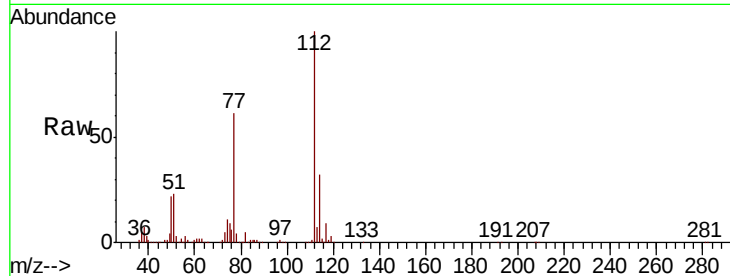




#65
Chlorobenzene
Concen: 50.576 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

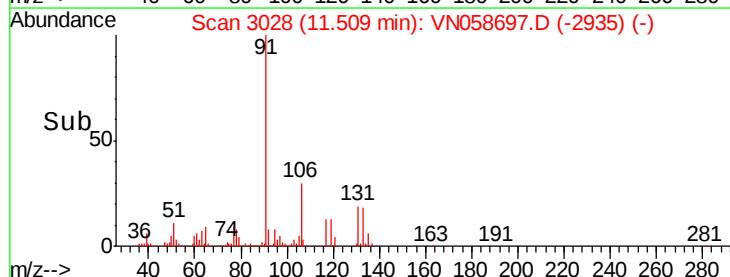
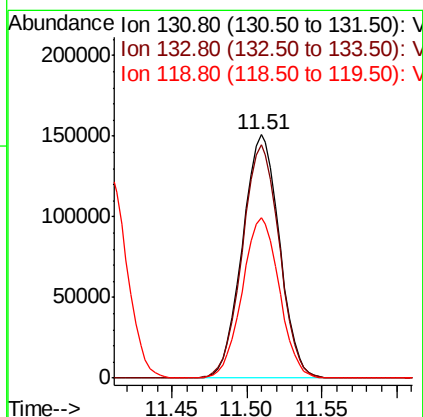
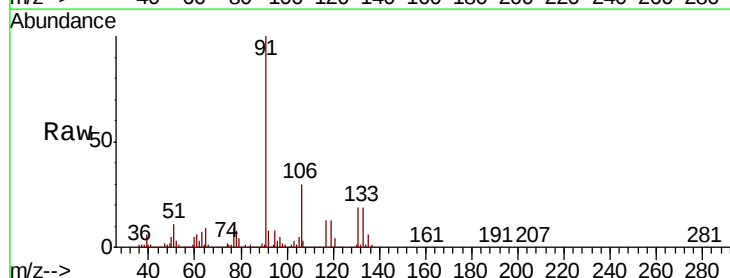
Instrument :
MSVOA_N
ClientSampleId :

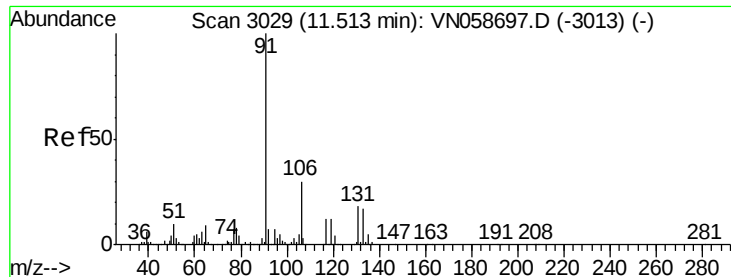
Tot Ion:112 Resp: 696923
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 55.615 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Tgt Ion:131 Resp: 260881
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 65.9 33.0 98.9





#67

Ethyl Benzene

Concen: 52.458 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

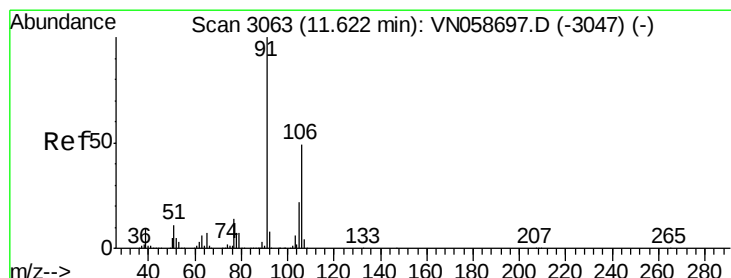
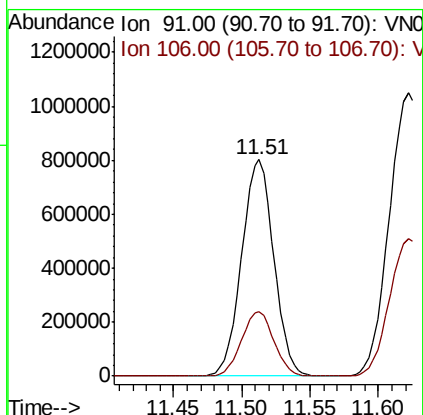
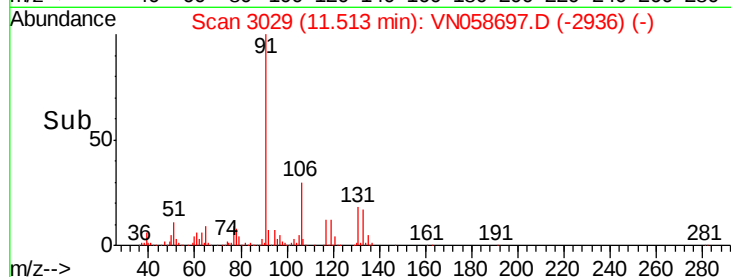
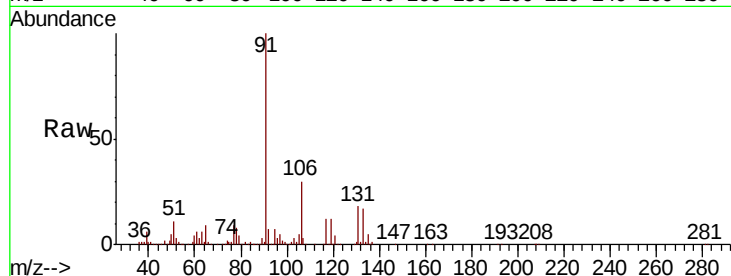
ClientSampled :

Tot Ion: 91 Resp: 1311373

Ion Ratio Lower Upper

91 100

106 30.1 24.1 36.1



#68

m/p-Xylenes

Concen: 103.799 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058697.D

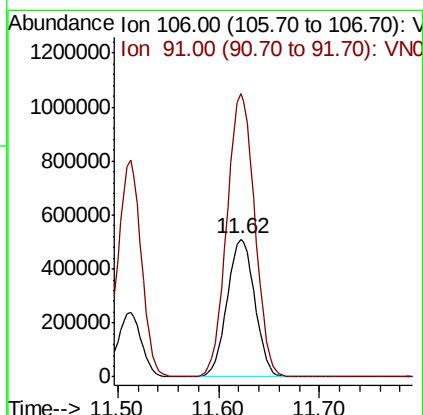
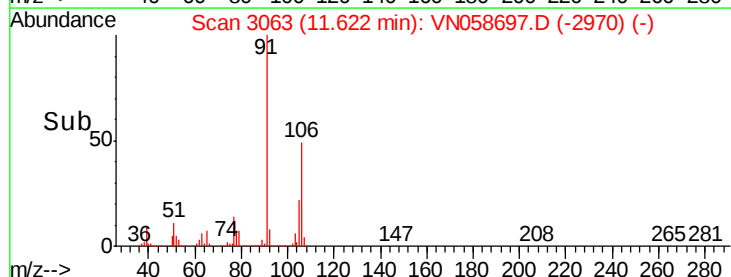
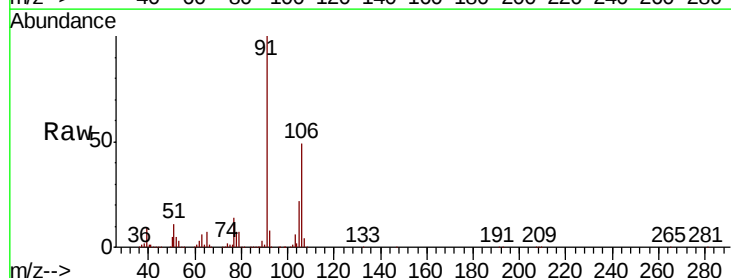
Acq: 11 Oct 2019 12:36

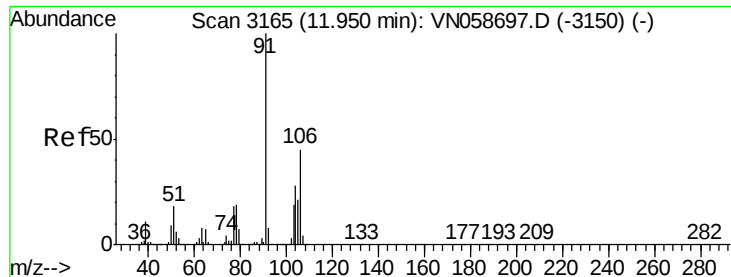
Tgt Ion: 106 Resp: 976360

Ion Ratio Lower Upper

106 100

91 207.1 165.7 248.5

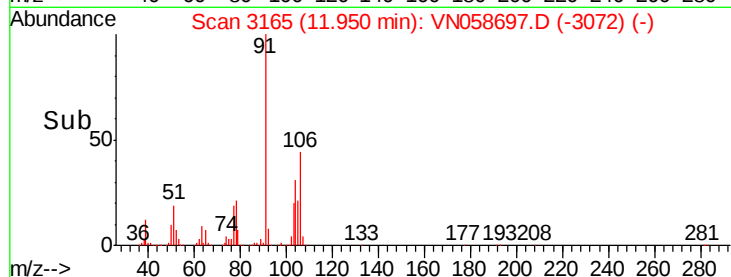
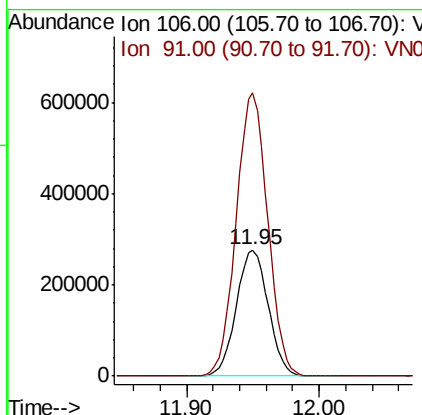
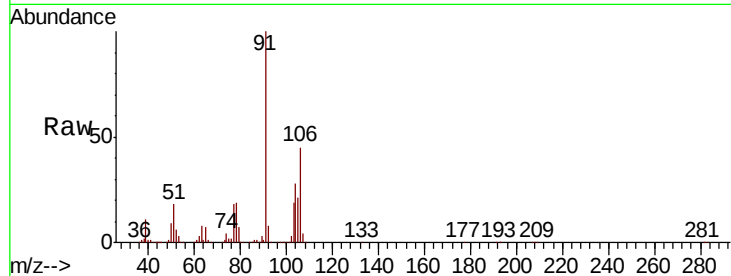




#69
o-Xylene
Concen: 51.145 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

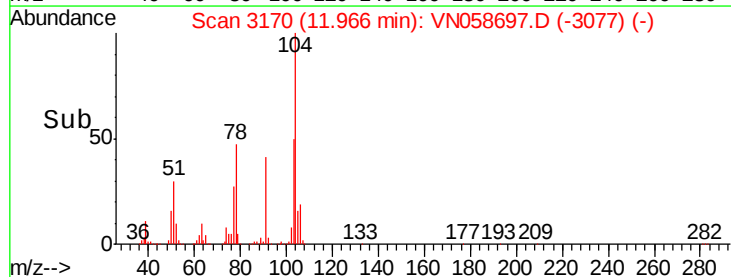
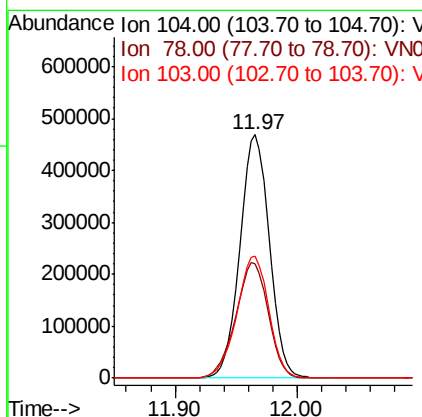
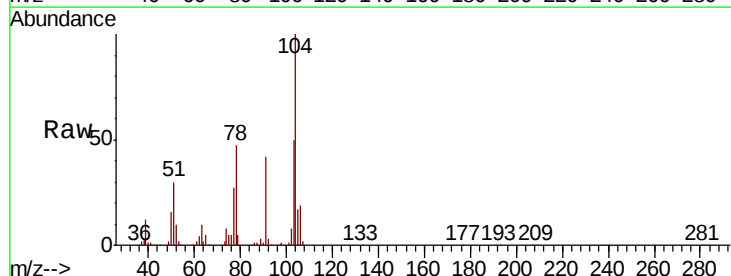
Instrument :
MSVOA_N
ClientSampleId :

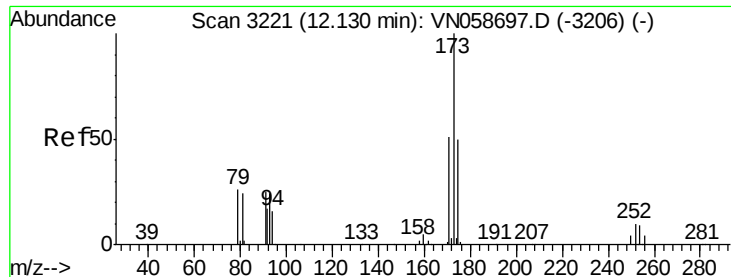
Tot Ion:106 Resp: 461795
Ion Ratio Lower Upper
106 100
91 221.9 110.9 332.9



#70
Styrene
Concen: 53.142 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Tgt Ion:104 Resp: 779573
Ion Ratio Lower Upper
104 100
78 52.7 42.2 63.2
103 54.6 43.7 65.5

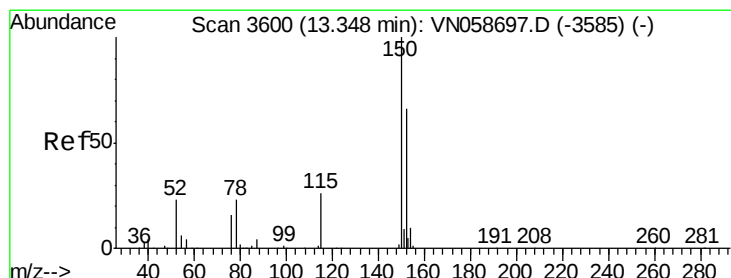
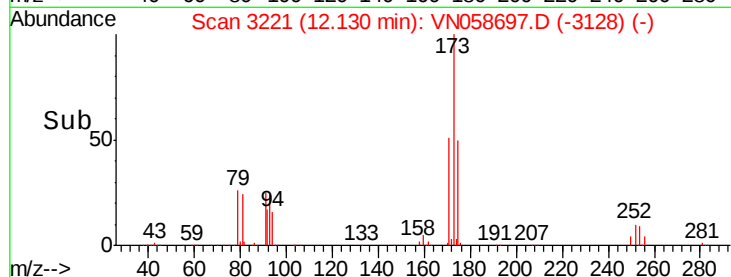
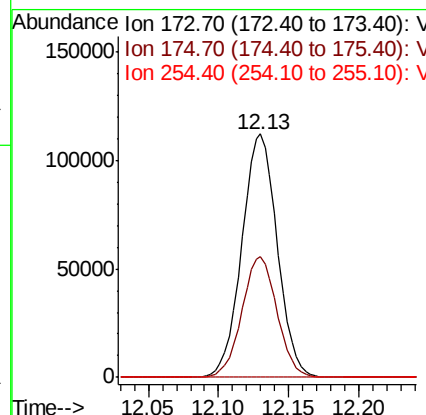
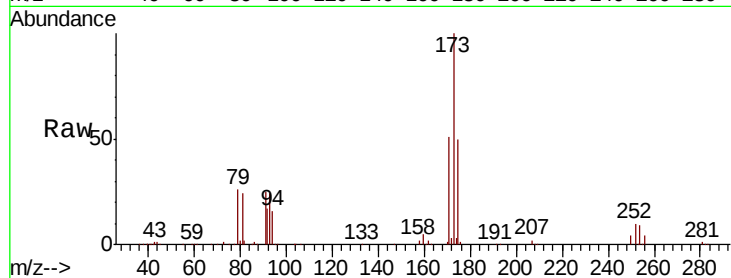




#71
Bromoform
Concen: 65.685 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

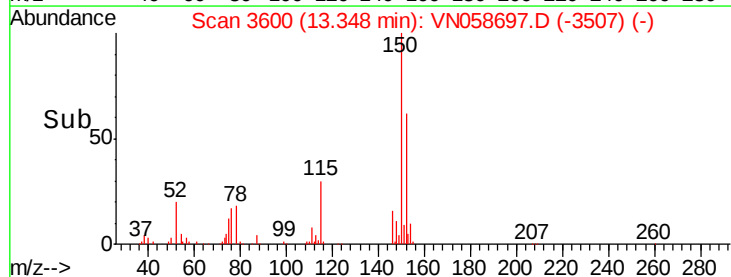
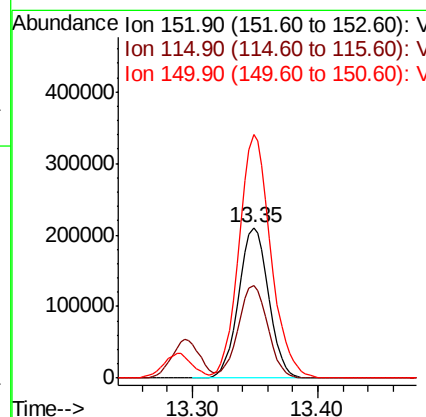
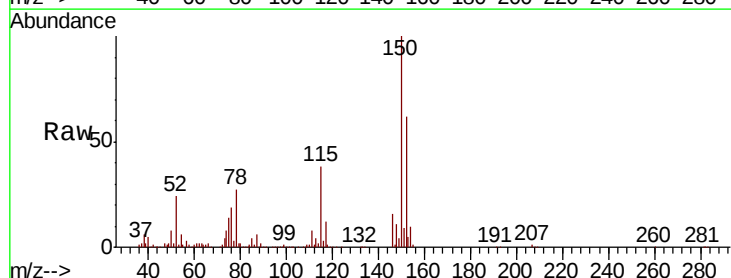
Instrument :
MSVOA_N
ClientSampled :

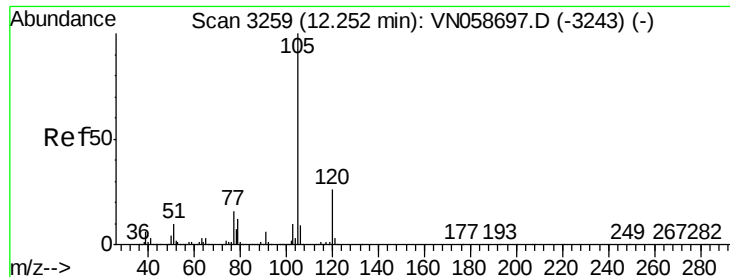
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.8
254	0.1	0.1	0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.4	91.2
150	172.7	0.0	345.4





#73

Isopropylbenzene

Concen: 49.843 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

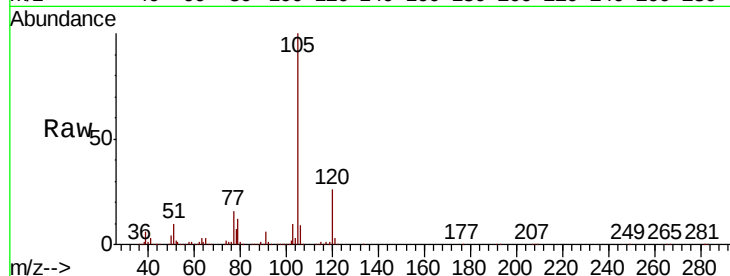
ClientSampled :

Tot Ion:105 Resp: 1272167

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

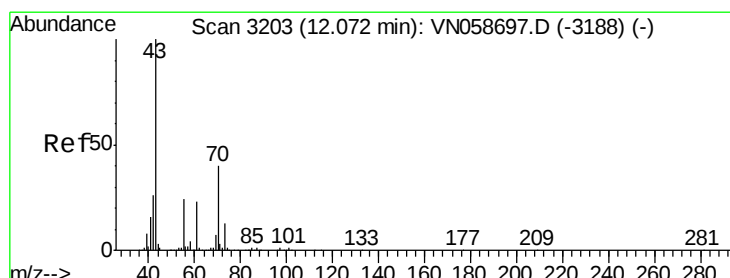
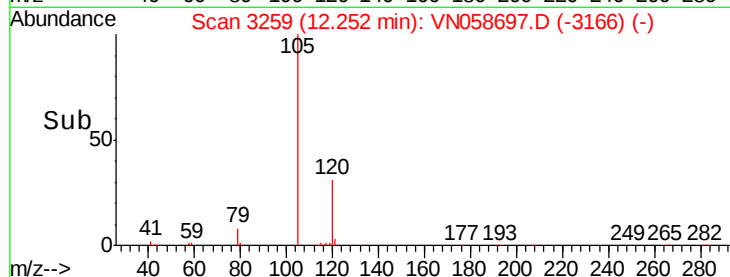
200000

0

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 55.858 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Tgt Ion: 43 Resp: 578410

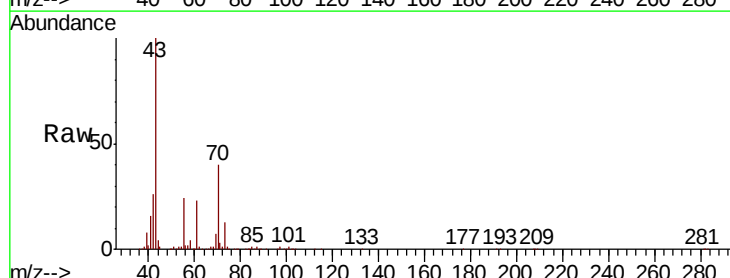
Ion Ratio Lower Upper

43 100

70 40.3 32.2 48.4

55 24.5 19.6 29.4

61 23.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

600000

500000

400000

300000

200000

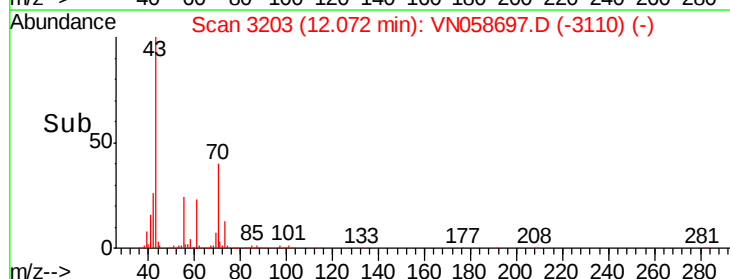
100000

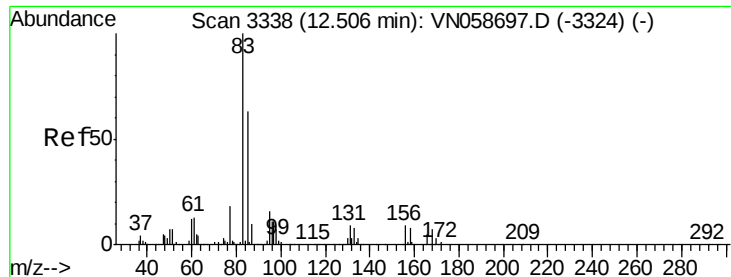
0

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.509 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

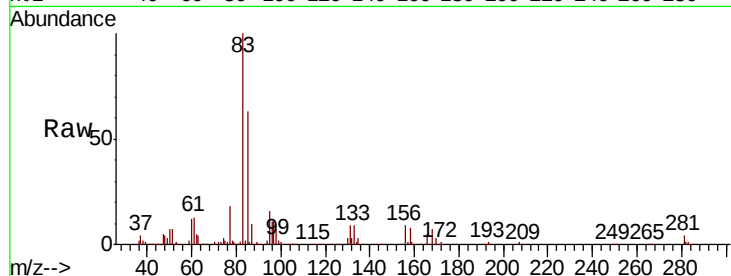
Tot Ion: 83 Resp: 403590

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.4

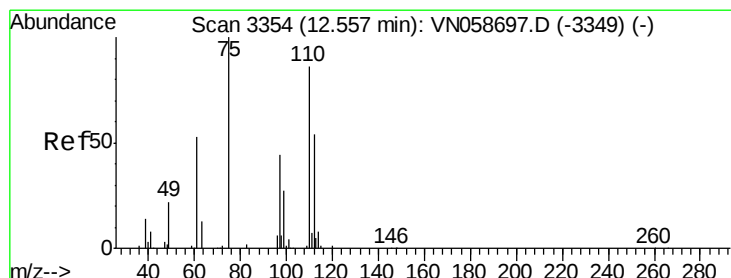
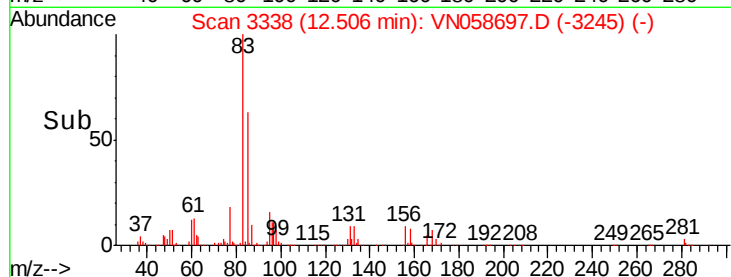
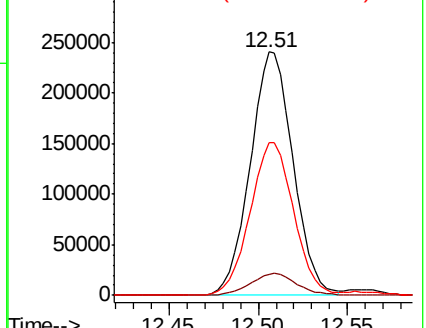
85 63.7 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN058697.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN058697.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN058697.D (-3324) (-)



#76

1,2,3-Trichloropropane

Concen: 84.406 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058697.D

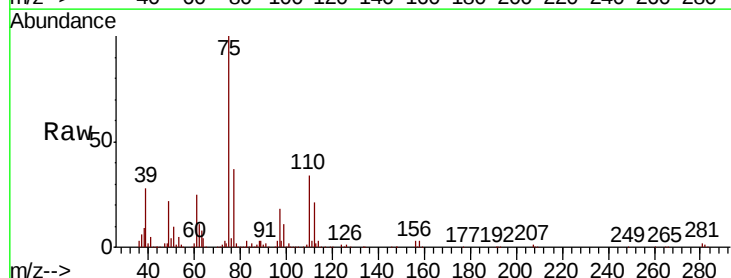
Acq: 11 Oct 2019 12:36

Tgt Ion: 75 Resp: 545435

Ion Ratio Lower Upper

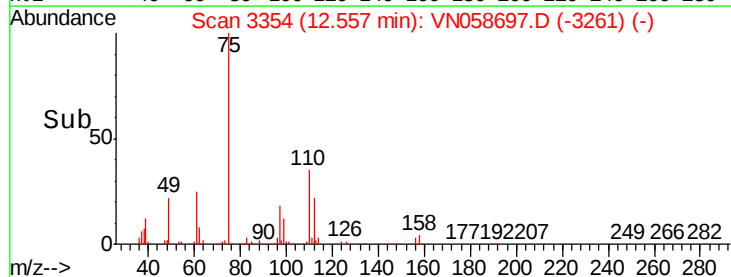
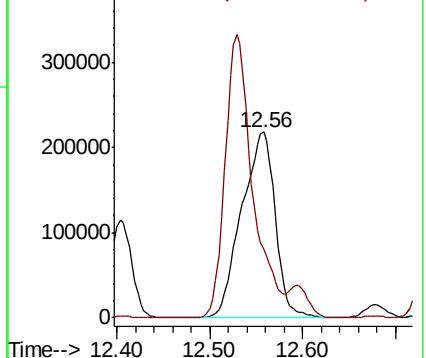
75 100

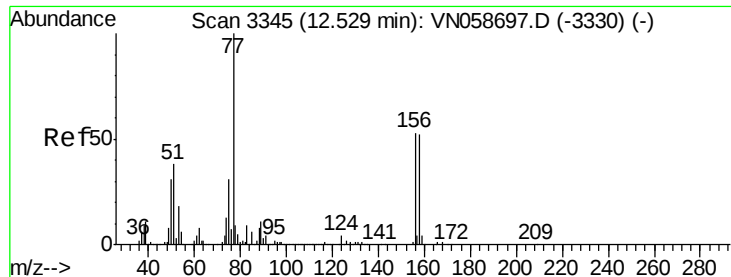
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058697.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058697.D (-3349) (-)





#77

Bromobenzene

Concen: 49.317 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

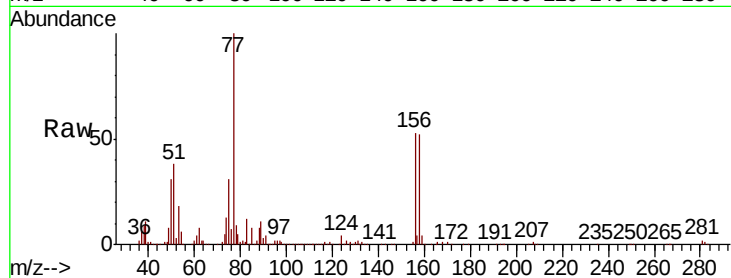
Tot Ion:156 Resp: 296100

Ion Ratio Lower Upper

156 100

77 231.5 115.8 347.3

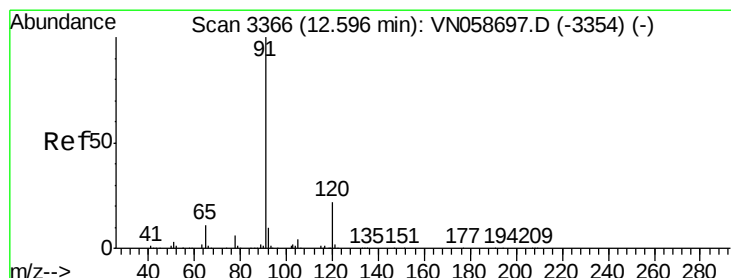
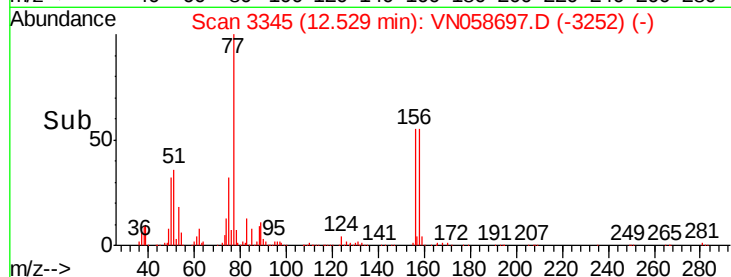
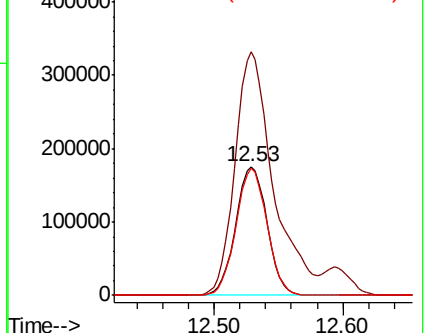
158 97.7 48.9 146.6



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: 52.629 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058697.D

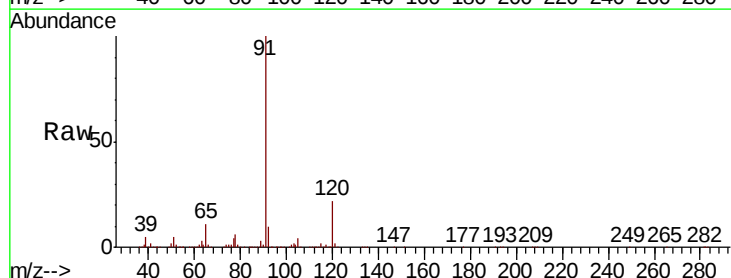
Acq: 11 Oct 2019 12:36

Tgt Ion: 91 Resp: 1519689

Ion Ratio Lower Upper

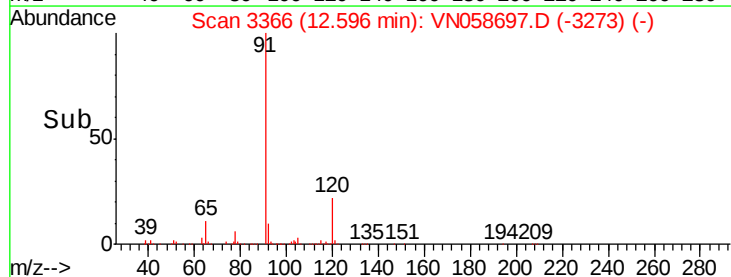
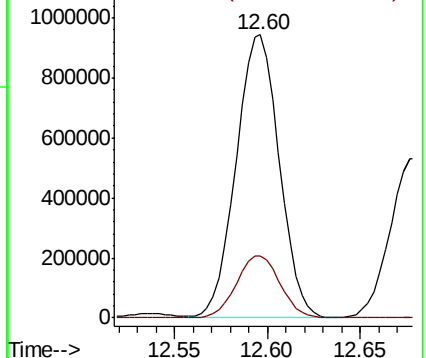
91 100

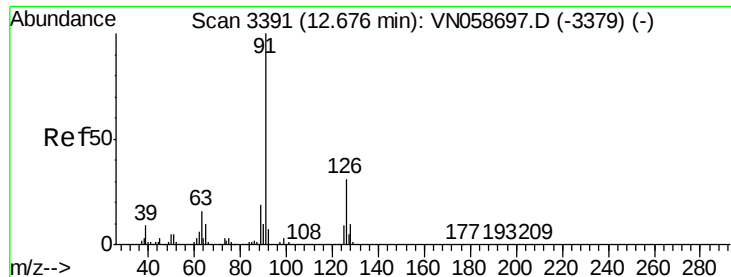
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

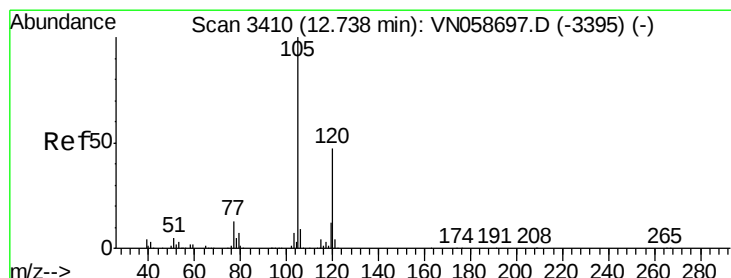
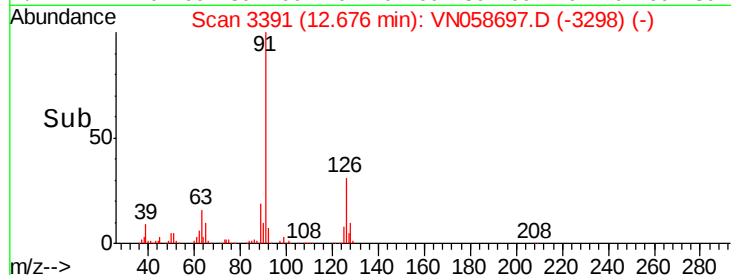
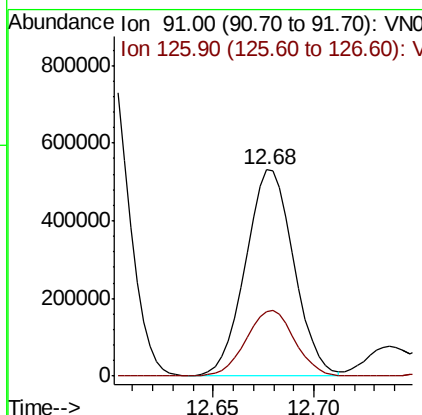
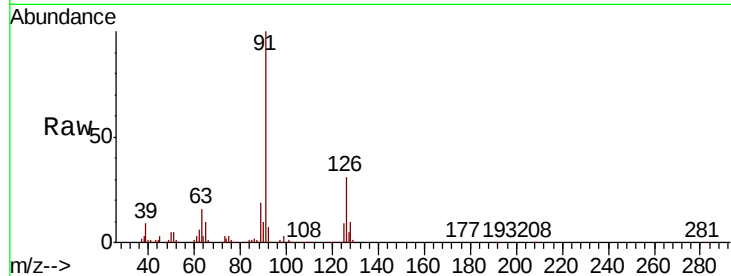




#79
 2-Chlorotoluene
 Concen: 49.721 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

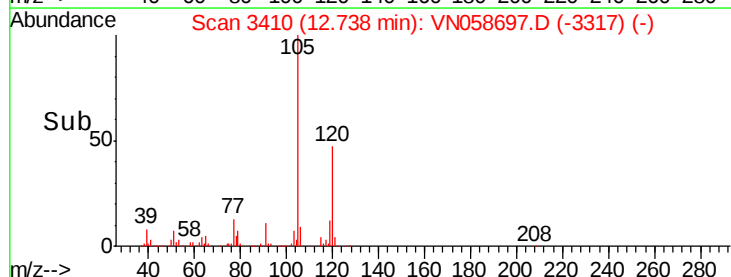
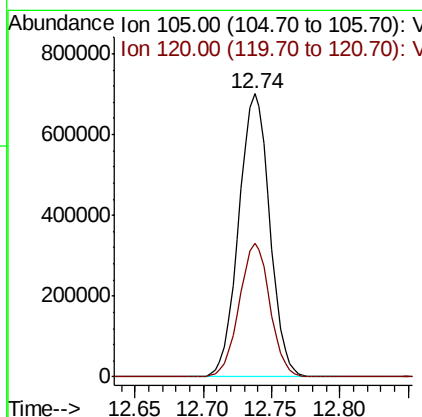
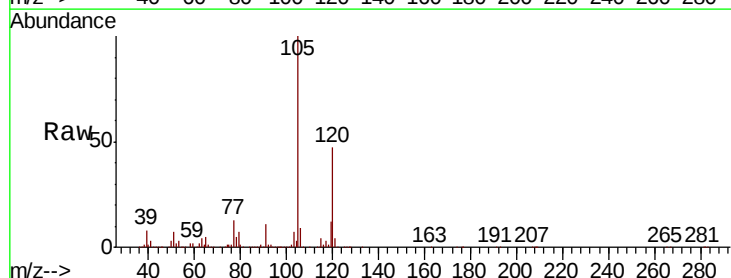
Instrument :
 MSVOA_N
 ClientSampled :

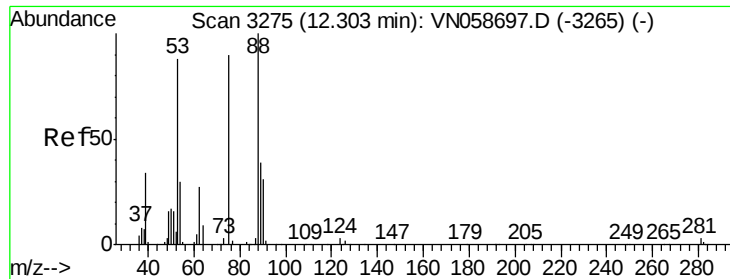
Tot Ion: 91 Resp: 885362
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 51.413 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

Tgt Ion: 105 Resp: 1101792
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 64.383 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

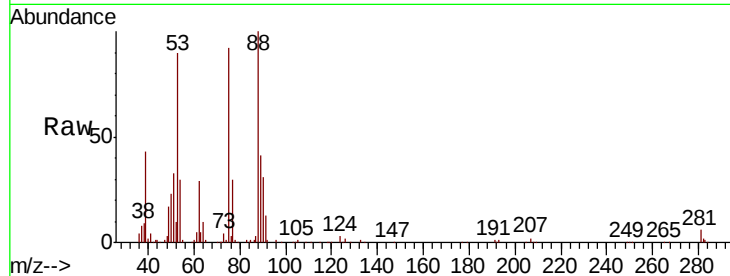
Tot Ion: 75 Resp: 142607

Ion Ratio Lower Upper

75 100

53 98.0 78.4 117.6

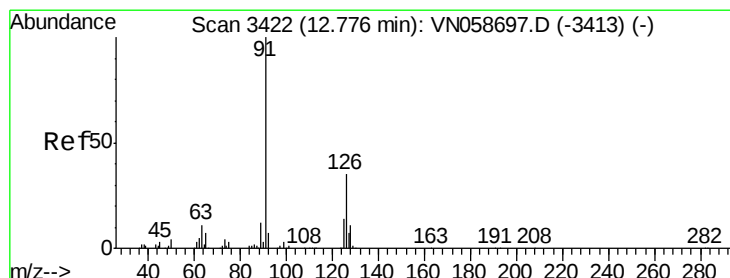
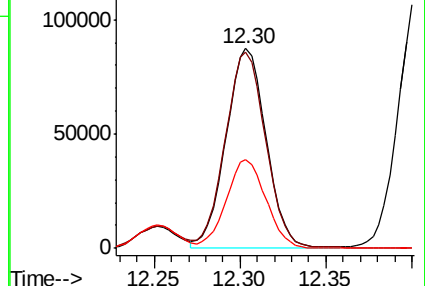
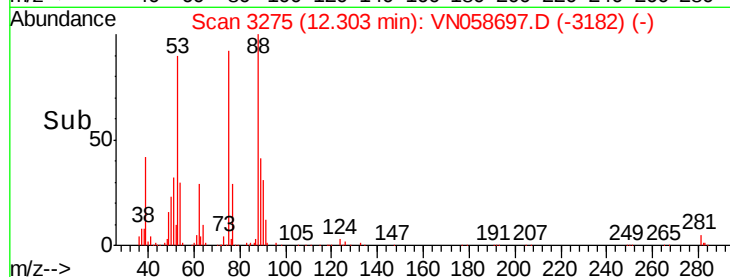
89 43.6 34.9 52.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 51.006 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058697.D

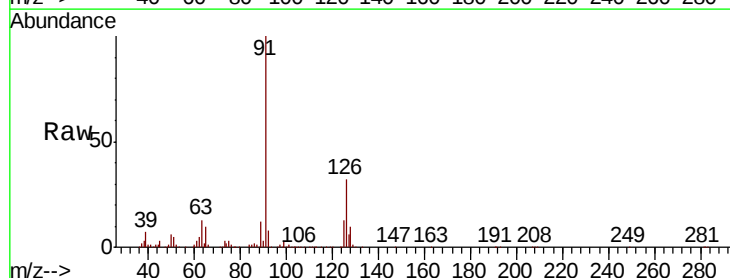
Acq: 11 Oct 2019 12:36

Tgt Ion: 91 Resp: 929170

Ion Ratio Lower Upper

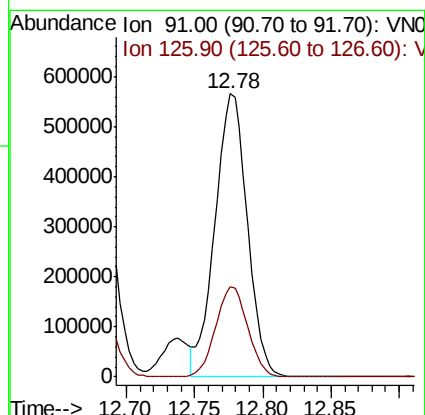
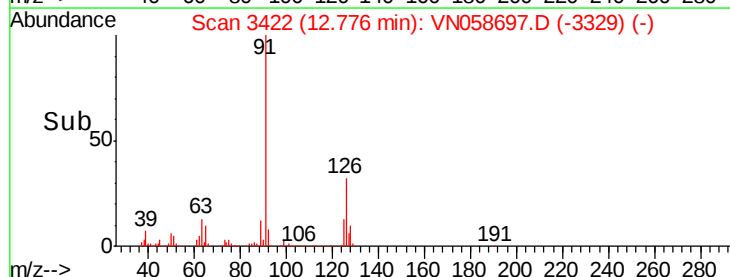
91 100

126 31.7 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

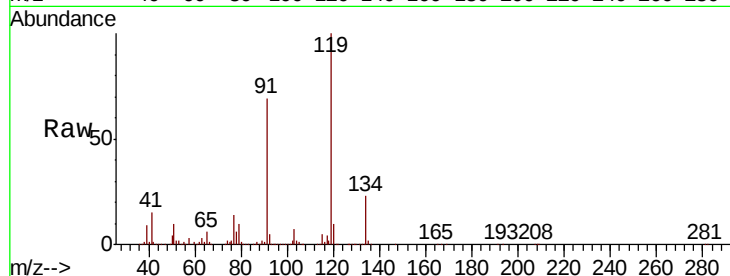




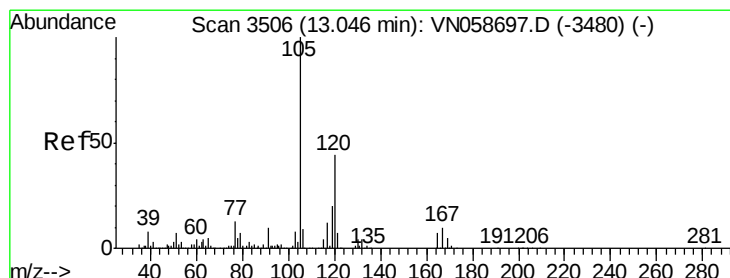
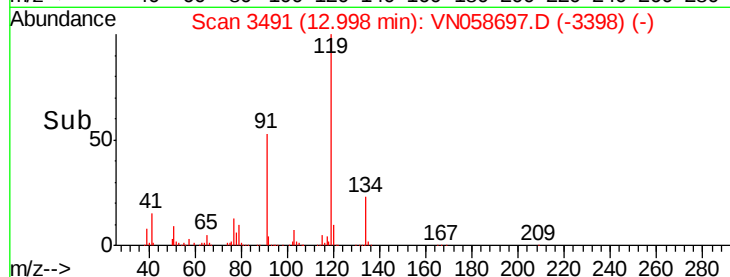
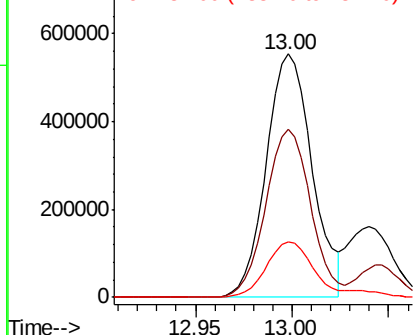
#83
tert-Butylbenzene
Concen: 50.735 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 917519
Ion Ratio Lower Upper
119 100
91 67.5 33.8 101.3
134 25.1 12.6 37.6

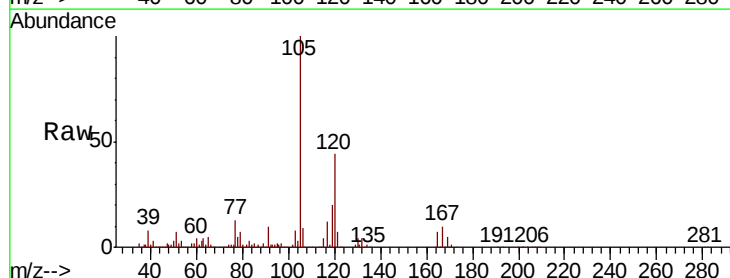


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

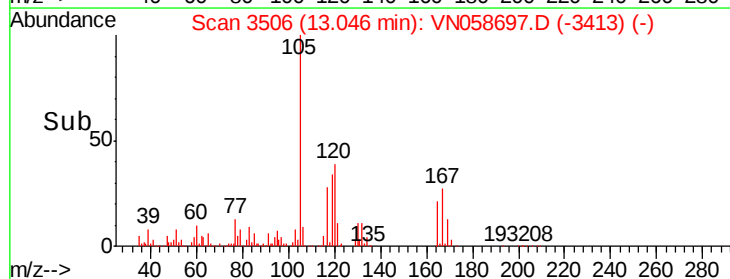
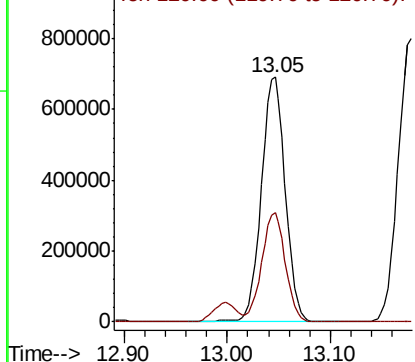


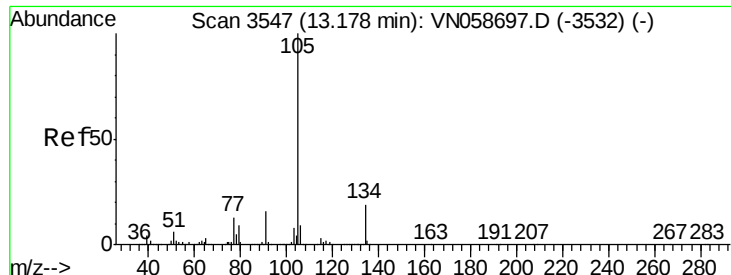
#84
1,2,4-Trimethylbenzene
Concen: 51.397 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Tgt Ion:105 Resp: 1103474
Ion Ratio Lower Upper
105 100
120 43.8 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

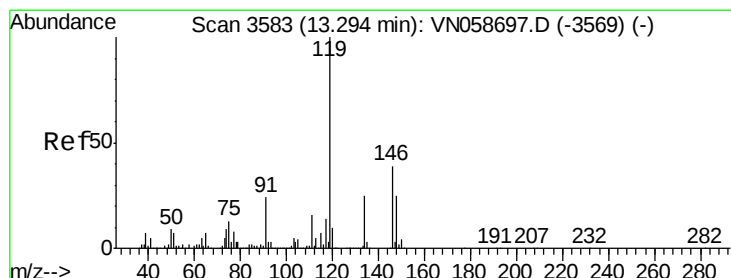
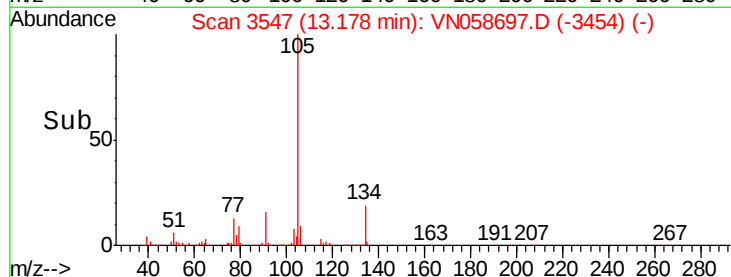
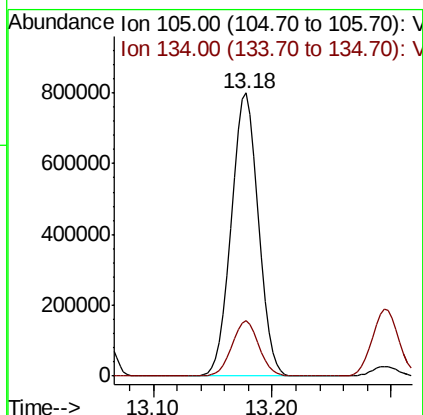
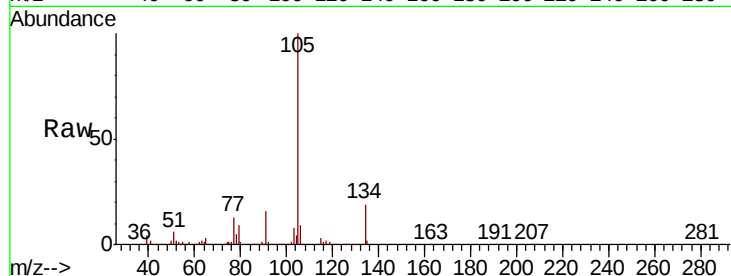




#85
 sec-Butylbenzene
 Concen: 52.674 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

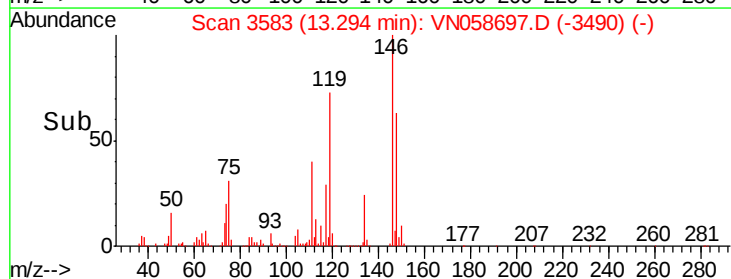
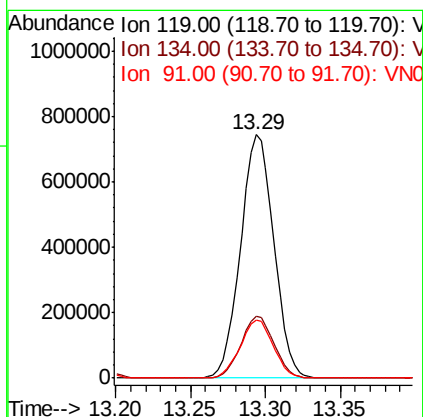
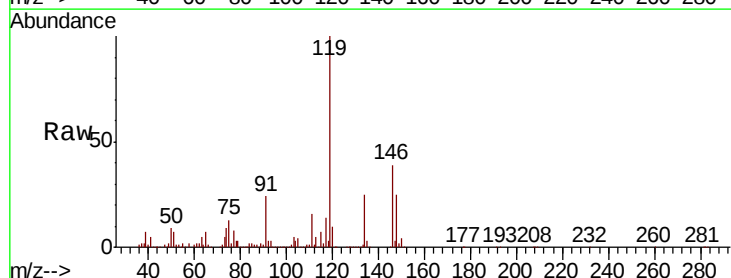
Instrument :
 MSVOA_N
 ClientSampled :

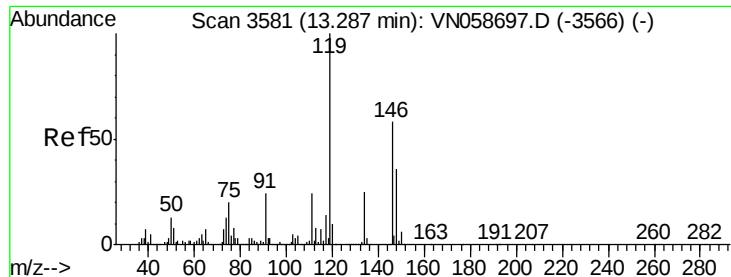
Tot Ion:105 Resp: 1257951
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 54.458 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

Tgt Ion:119 Resp: 1149954
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.1
 91 23.7 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 50.536 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058697.D

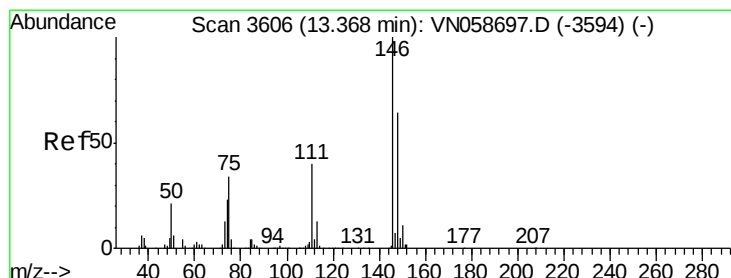
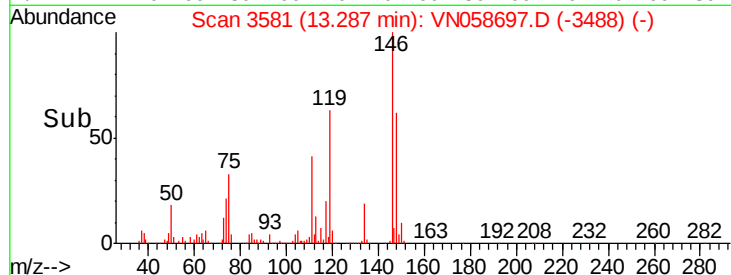
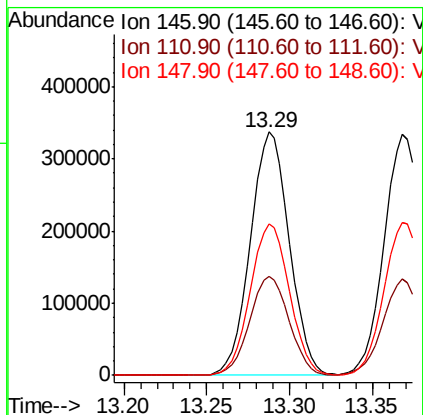
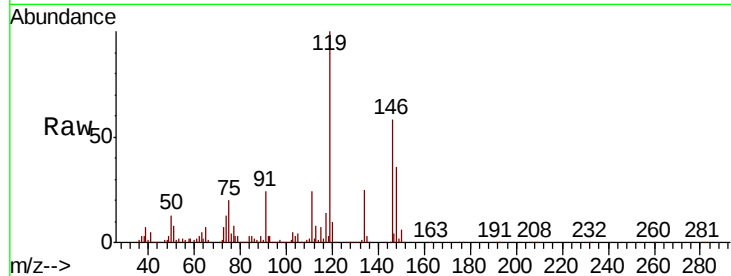
Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	552201
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.6
148	62.6	31.3	93.9



#88

1,4-Dichlorobenzene

Concen: 50.352 ug/l

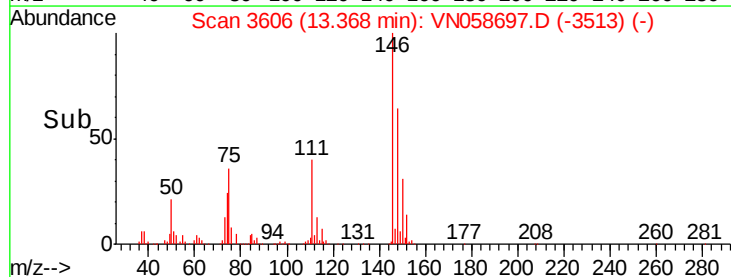
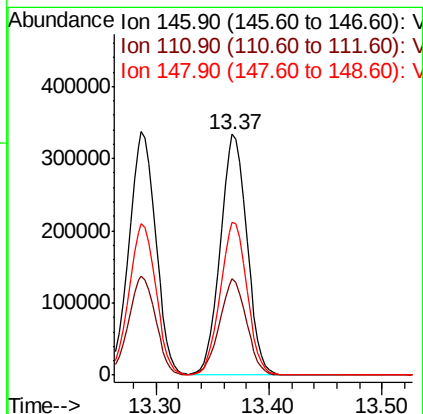
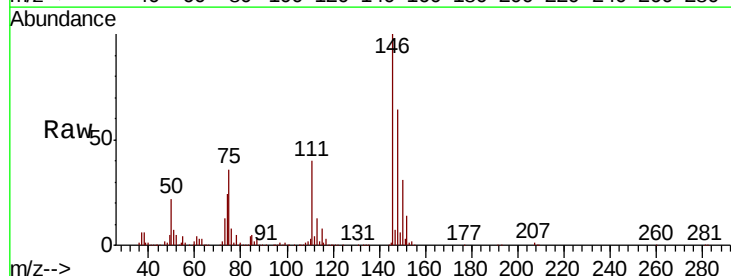
RT: 13.37 min Scan# 3606

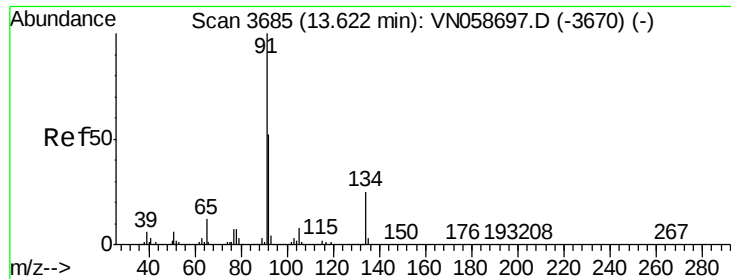
Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Tgt Ion:	146	Resp:	546458
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	63.8	31.9	95.7





#89

n-Butylbenzene

Concen: 54.567 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

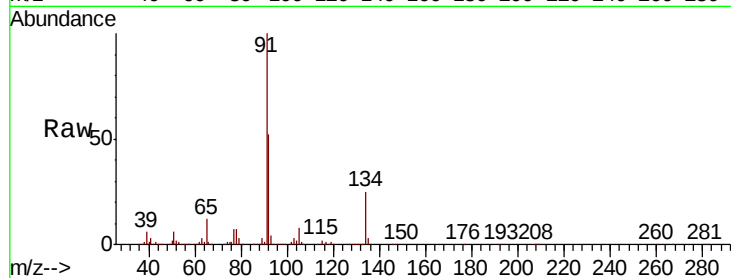
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 91 Resp: 1050057

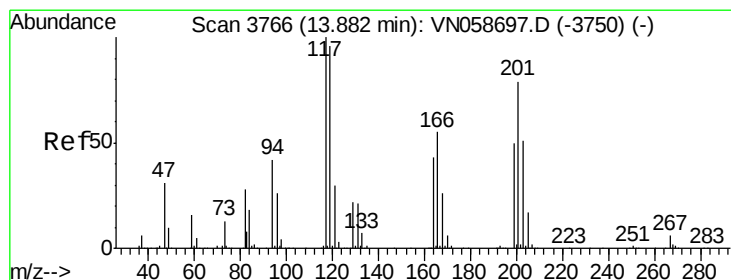
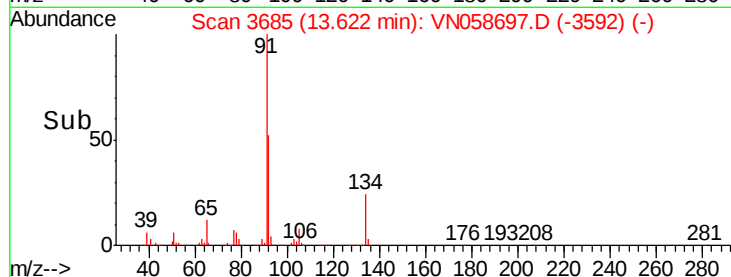
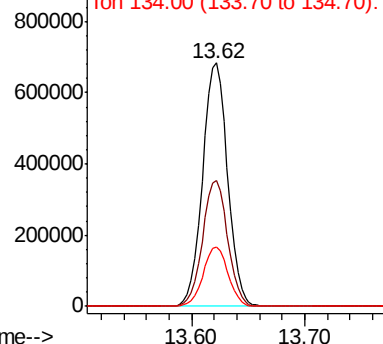
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	24.4	12.2	36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN058697.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN058697.D (-3670) (-)



#90

Hexachloroethane

Concen: 61.042 ug/l

RT: 13.88 min Scan# 3766

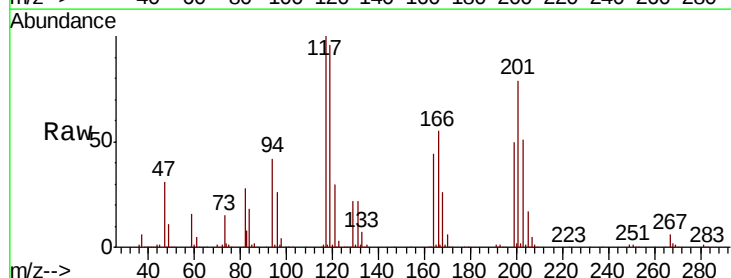
Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

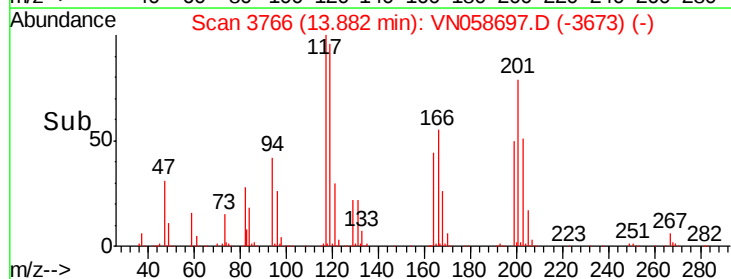
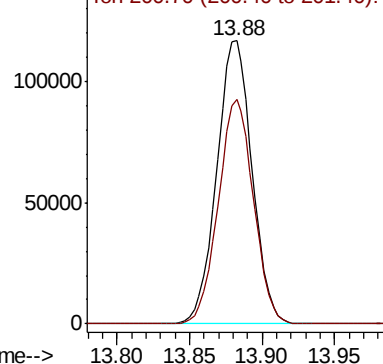
Tgt Ion: 117 Resp: 198070

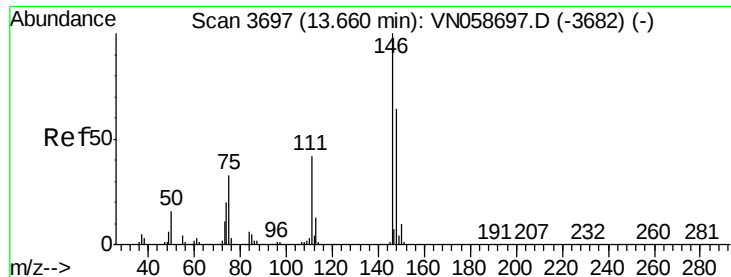
Ion	Ratio	Lower	Upper
117	100		
201	79.1	39.6	118.7



Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058697.D (-3750) (-)





#91

1,2-Dichlorobenzene

Concen: 51.308 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

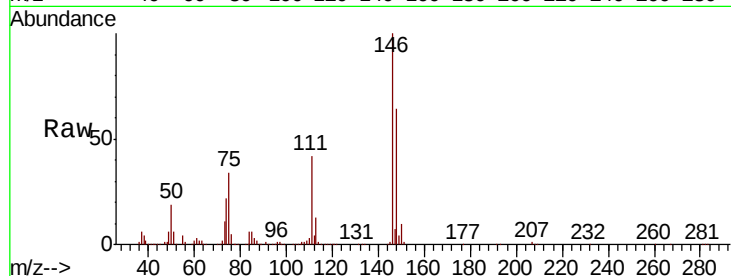
Tot Ion:146 Resp: 539564

Ion Ratio Lower Upper

146 100

111 42.3 21.1 63.4

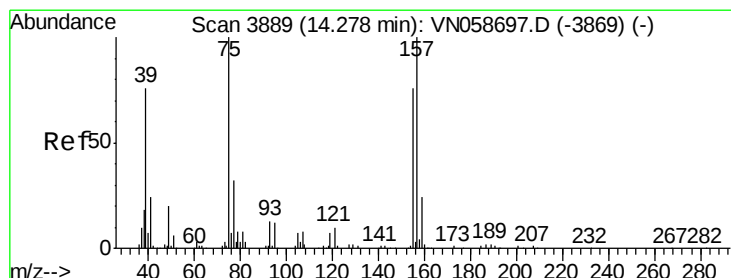
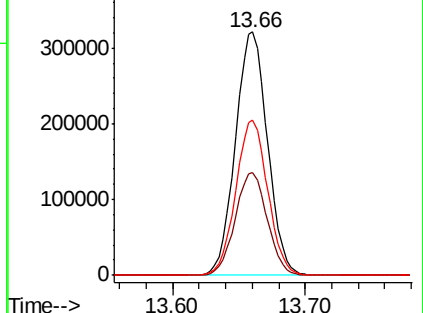
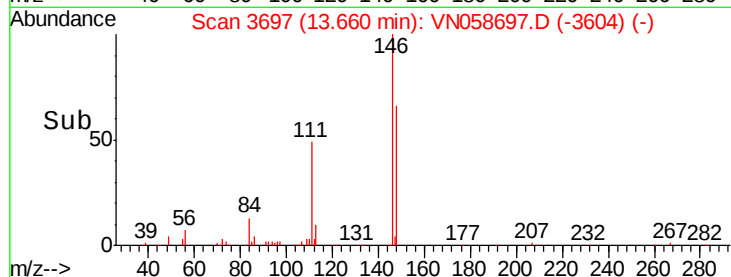
148 63.5 31.8 95.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 62.649 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058697.D

Acq: 11 Oct 2019 12:36

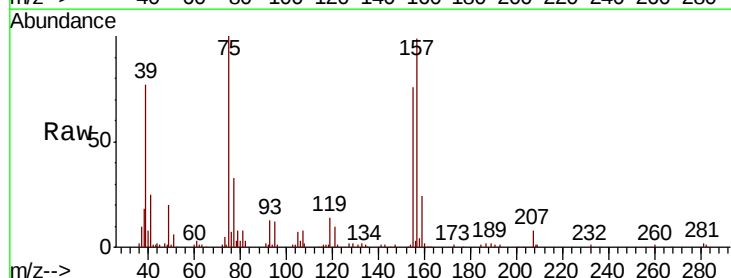
Tgt Ion: 75 Resp: 87671

Ion Ratio Lower Upper

75 100

155 75.7 37.9 113.6

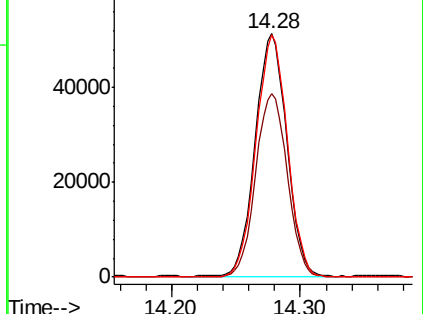
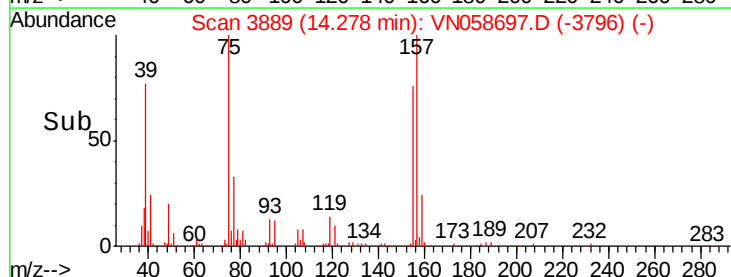
157 98.8 49.4 148.2



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

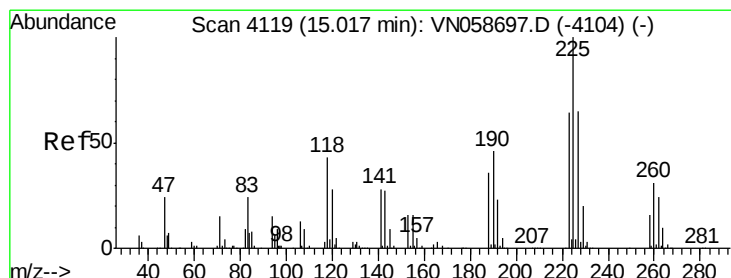
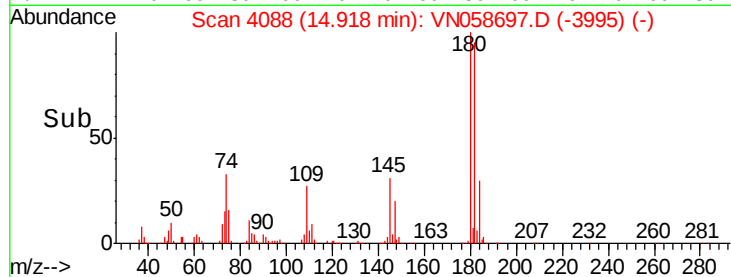
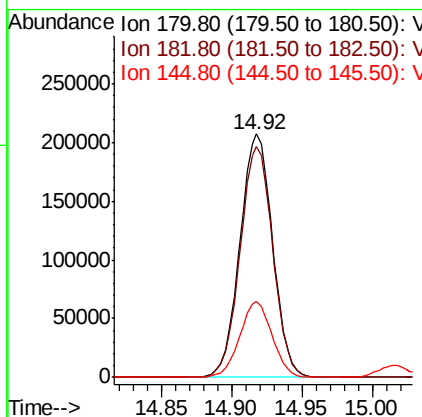
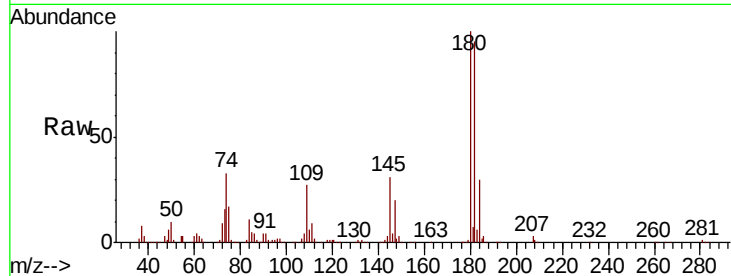




#93
 1,2,4-Trichlorobenzene
 Concen: 57.427 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

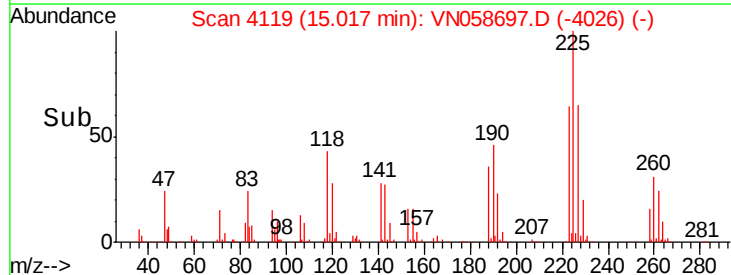
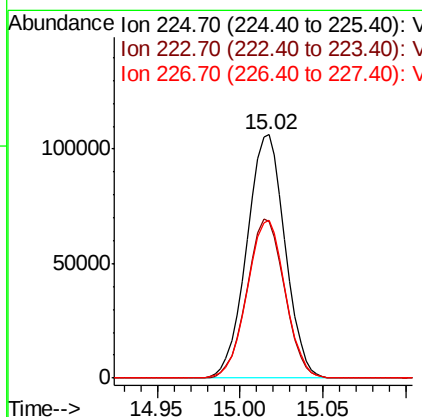
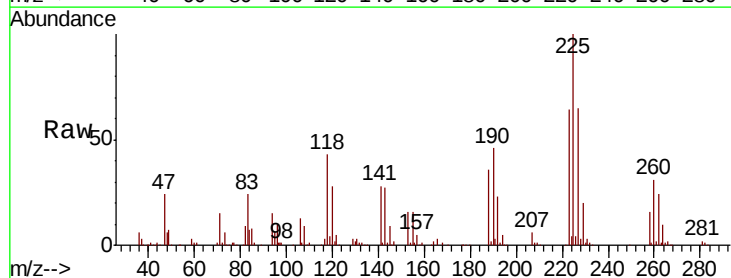
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	30.8	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 55.924 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058697.D
 Acq: 11 Oct 2019 12:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	32.3	96.8
227	64.7	32.4	97.0

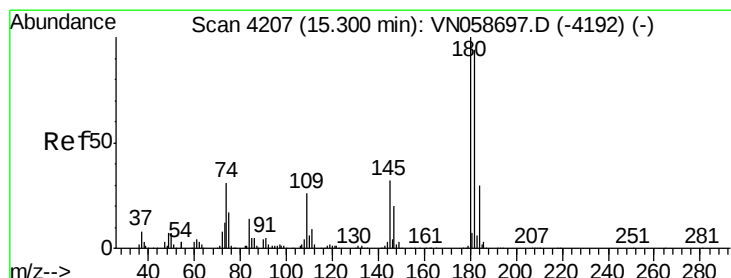
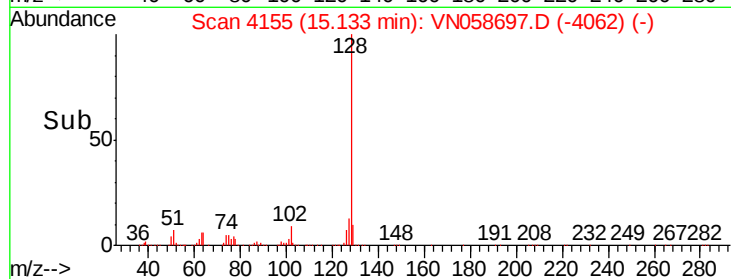
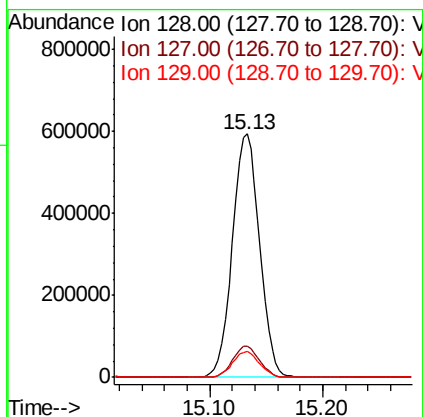
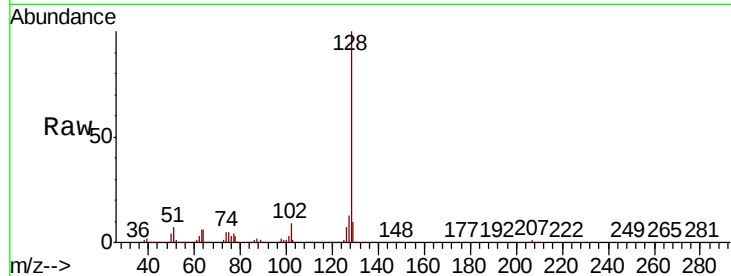




#95
Naphthalene
Concen: 63.835 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.6	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 60.057 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058697.D
Acq: 11 Oct 2019 12:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	32.4	16.2	48.6

