

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058698.D
 Acq On : 11 Oct 2019 12:58
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 23:33:59 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	478967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	772112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	723401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	649370	93.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.48%	
35) Dibromofluoromethane	7.57	113	473452	100.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.50%	
50) Toluene-d8	10.08	98	1914104	103.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.30%	
62) 4-Bromofluorobenzene	12.40	95	741485	109.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	588342	109.583	ug/l	98
3) Chloromethane	2.04	50	659272	110.210	ug/l	99
4) Vinyl Chloride	2.17	62	696170	118.397	ug/l	100
5) Bromomethane	2.53	94	392427	121.480	ug/l	99
6) Chloroethane	2.67	64	413663	117.135	ug/l	99
7) Trichlorofluoromethane	2.99	101	796333	113.481	ug/l	98
8) Diethyl Ether	3.39	74	301243	101.972	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	454055	98.207	ug/l	98
10) Methyl Iodide	3.93	142	664460	123.557	ug/l	100
11) Tert butyl alcohol	4.76	59	530649	639.129	ug/l	100
12) 1,1-Dichloroethene	3.71	96	443439	98.387	ug/l	95
13) Acrolein	3.58	56	440502	1181.437	ug/l	100
14) Allyl chloride	4.30	41	899907	107.900	ug/l	99
15) Acrylonitrile	4.96	53	1383826	590.501	ug/l	100
16) Acetone	3.79	43	1339261	547.643	ug/l	98
17) Carbon Disulfide	4.03	76	1414124	115.743	ug/l	100
18) Methyl Acetate	4.30	43	677345	109.331	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	1641265	102.487	ug/l	98
20) Methylene Chloride	4.53	84	524728	94.932	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	493580	98.119	ug/l	98
22) Diisopropyl ether	5.93	45	1813909	102.092	ug/l	97
23) Vinyl Acetate	5.87	43	7305828	540.789	ug/l	95
24) 1,1-Dichloroethane	5.82	63	988275	99.020	ug/l	100
25) 2-Butanone	6.81	43	2018619	596.250	ug/l	99
26) 2,2-Dichloropropane	6.80	77	871212	105.144	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	566035	96.751	ug/l	100
28) Bromochloromethane	7.18	49	345600	88.932	ug/l	100
29) Tetrahydrofuran	7.19	42	1304899	604.360	ug/l	100
30) Chloroform	7.35	83	975609	96.888	ug/l	99
31) Cyclohexane	7.63	56	930337	96.098	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	856170	102.751	ug/l	99
36) 1,1-Dichloropropene	7.77	75	773874	104.209	ug/l	99
37) Ethyl Acetate	6.90	43	816676	125.298	ug/l	98
38) Carbon Tetrachloride	7.76	117	757372	111.505	ug/l	98

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

39) Methylcyclohexane	9.07	83	926577	106.550	ug/l	99
40) Benzene	8.02	78	2200121	103.127	ug/l	100
41) Methacrylonitrile	7.19	41	1174262	384.224	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	827792	99.778	ug/l	100
43) Isopropyl Acetate	8.15	43	1358841	112.568	ug/l	100
44) Trichloroethene	8.82	130	543804	103.380	ug/l	99
45) 1,2-Dichloropropane	9.11	63	594085	103.726	ug/l	99
46) Dibromomethane	9.20	93	377130	103.749	ug/l	99
47) Bromodichloromethane	9.39	83	783070	112.805	ug/l	99
48) Methyl methacrylate	9.19	41	637375	116.209	ug/l	99
49) 1,4-Dioxane	9.19	88	191927	2572.412	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3837964	607.070	ug/l	94
52) Toluene	10.15	92	1383751	102.859	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	932373	123.033	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	982177	117.460	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	533312	108.517	ug/l	99
56) Ethyl methacrylate	10.43	69	913688	121.656	ug/l	97
57) 1,3-Dichloropropane	10.70	76	957596	109.173	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	2155084	693.439	ug/l	100
59) 2-Hexanone	10.75	43	3037252	652.449	ug/l	95
60) Dibromochloromethane	10.90	129	603379	127.135	ug/l	100
61) 1,2-Dibromoethane	11.00	107	569061	112.862	ug/l	100
64) Tetrachloroethene	10.63	164	480744	103.313	ug/l	97
65) Chlorobenzene	11.43	112	1458341	101.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	543215	110.880	ug/l	99
67) Ethyl Benzene	11.51	91	2645104	101.311	ug/l	96
68) m/p-Xylenes	11.62	106	2037604	207.410	ug/l	91
69) o-Xylene	11.95	106	976368	103.537	ug/l	97
70) Styrene	11.97	104	1665873	108.731	ug/l	100
71) Bromoform	12.13	173	432995	138.189	ug/l	100
73) Isopropylbenzene	12.25	105	2612287	96.431	ug/l	99
74) N-amyl acetate	12.07	43	1259572	114.607	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	838434	102.777	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1160558	169.212	ug/l #	100
77) Bromobenzene	12.53	156	623678	97.871	ug/l	100
78) n-propylbenzene	12.59	91	3045295	99.366	ug/l	97
79) 2-Chlorotoluene	12.68	91	1849087	97.838	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	2279589	100.223	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	315374	134.150	ug/l	98
82) 4-Chlorotoluene	12.78	91	1942203	100.452	ug/l	99
83) tert-Butylbenzene	13.00	119	1939141	101.027	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2275127	99.842	ug/l	98
85) sec-Butylbenzene	13.18	105	2583649	101.929	ug/l	99
86) p-Isopropyltoluene	13.29	119	2381614	106.265	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	1166548	100.587	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1167616	101.366	ug/l	99
89) n-Butylbenzene	13.62	91	2231279	109.245	ug/l	98
90) Hexachloroethane	13.88	117	431459	125.280	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1130708	101.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	186635	125.657	ug/l	98

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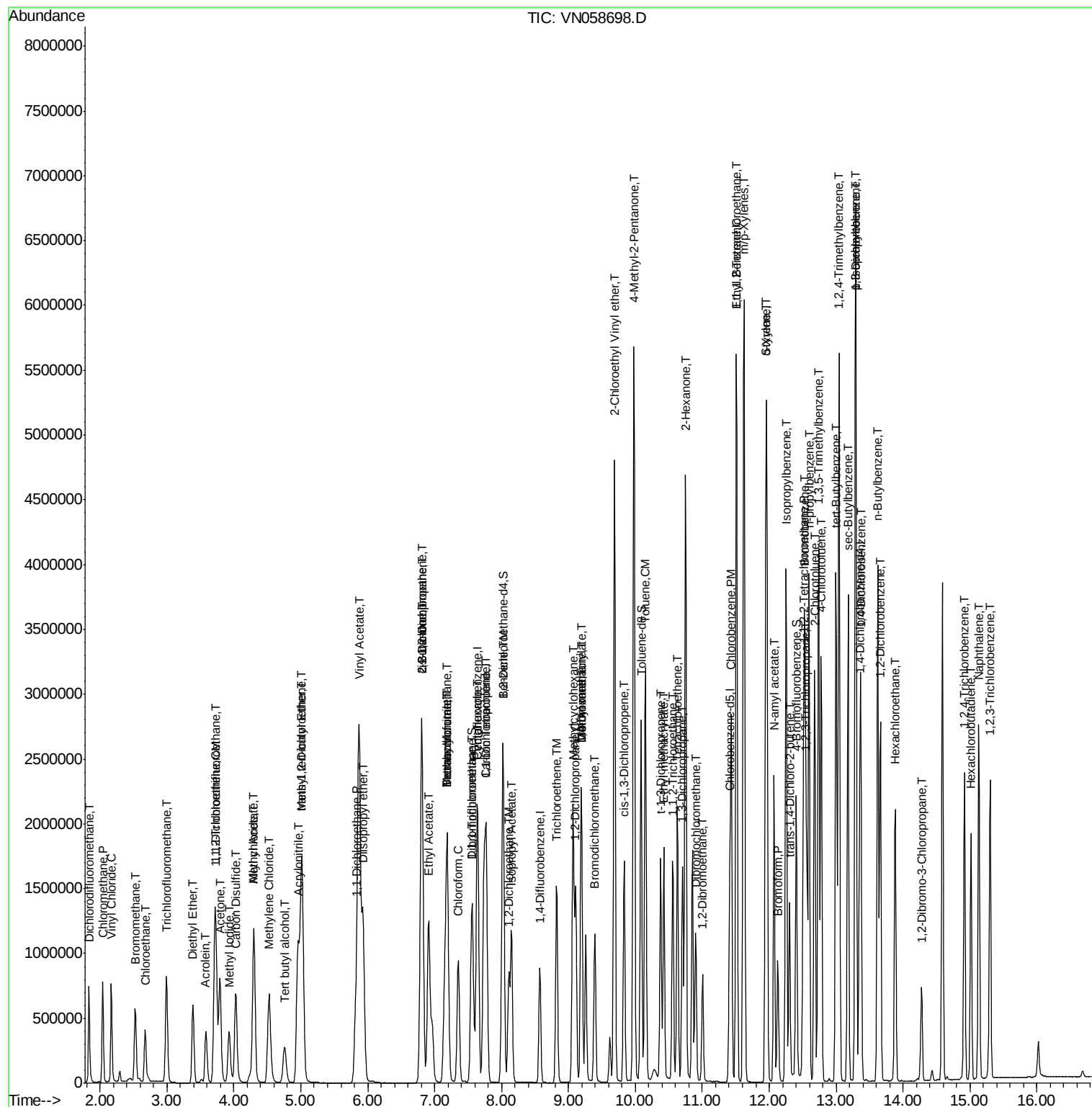
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	732564	117.684	ug/l	100
94) Hexachlorobutadiene	15.01	225	356771	110.029	ug/l	98
95) Naphthalene	15.13	128	2187569	132.709	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	702178	123.296	ug/l	99

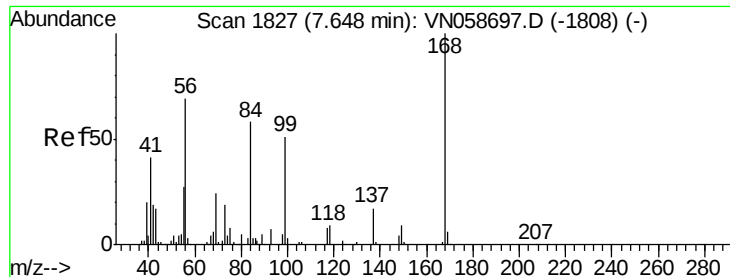
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

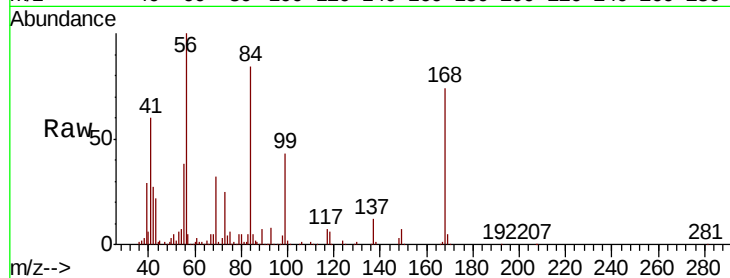
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 478967

Ion Ratio Lower Upper

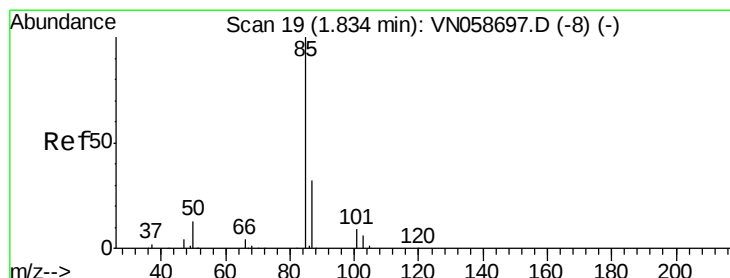
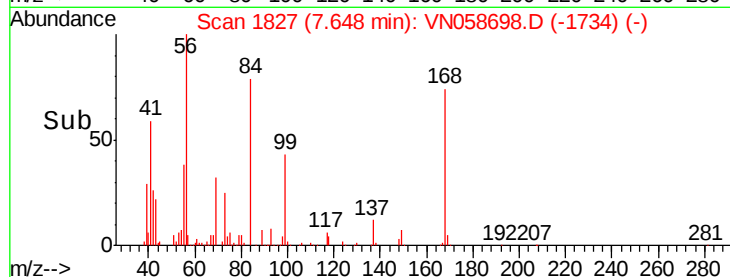
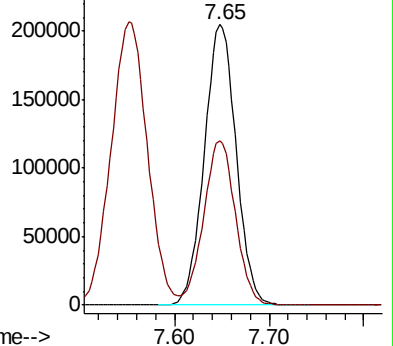
168 100

99 58.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 109.583 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058698.D

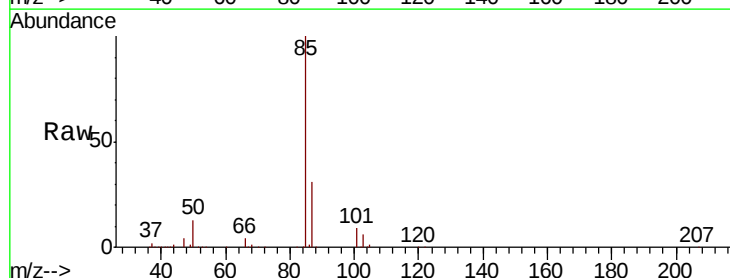
Acq: 11 Oct 2019 12:58

Tgt Ion: 85 Resp: 588342

Ion Ratio Lower Upper

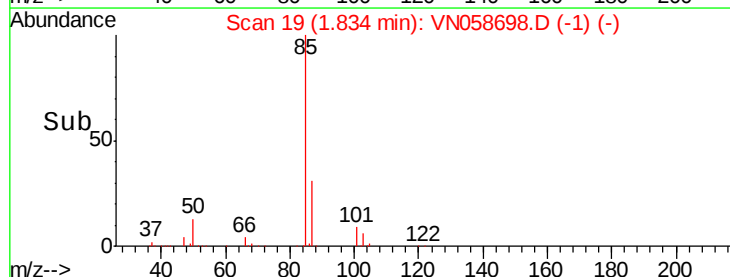
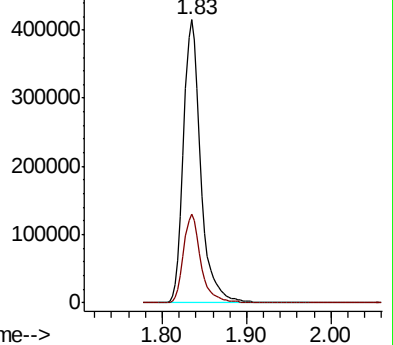
85 100

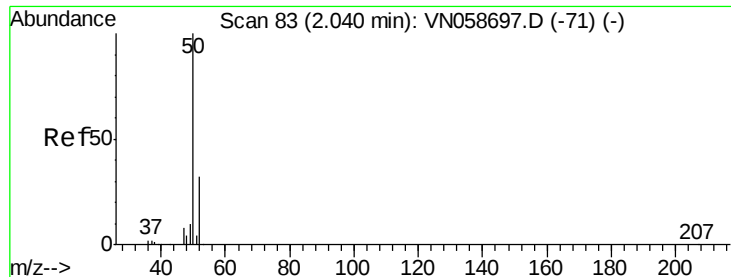
87 31.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 110.210 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

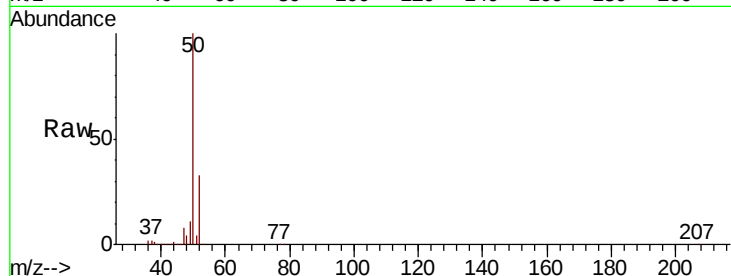
ClientSampleId :

Tot Ion: 50 Resp: 659272

Ion Ratio Lower Upper

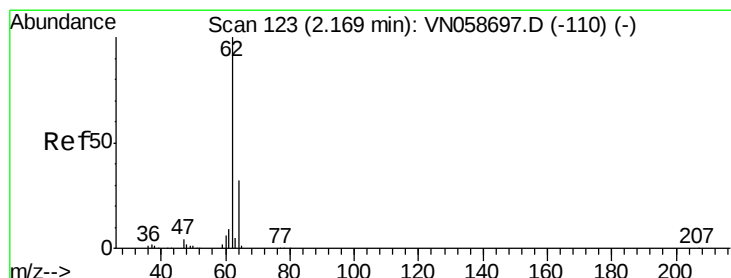
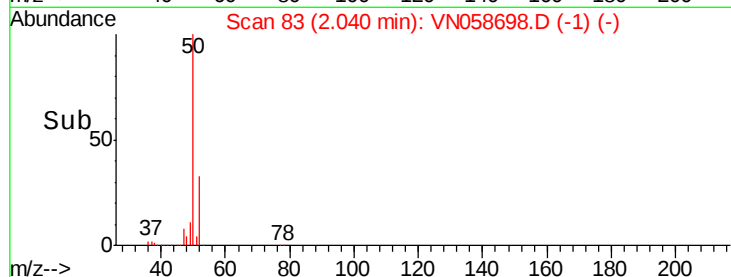
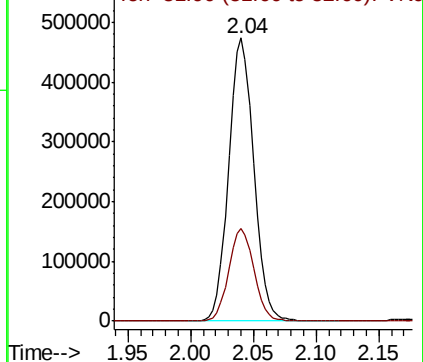
50 100

52 32.7 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 118.397 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058698.D

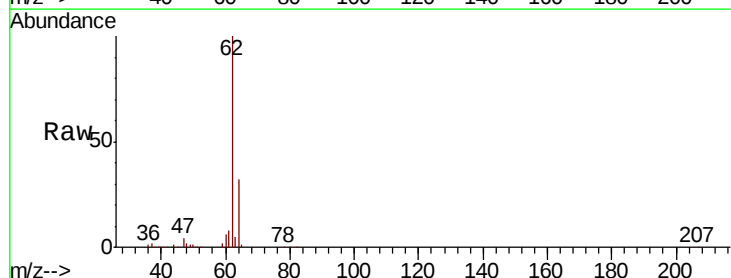
Acq: 11 Oct 2019 12:58

Tgt Ion: 62 Resp: 696170

Ion Ratio Lower Upper

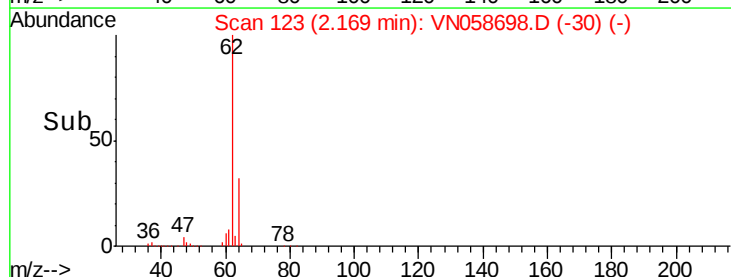
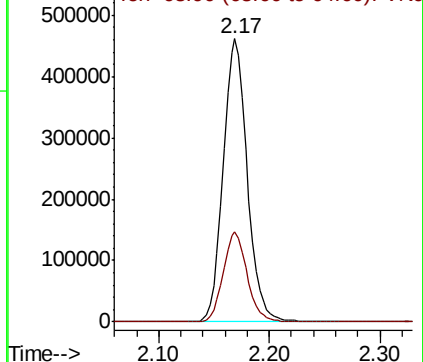
62 100

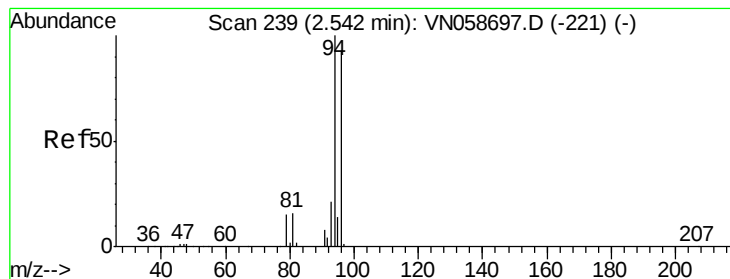
64 31.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 121.480 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.02 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

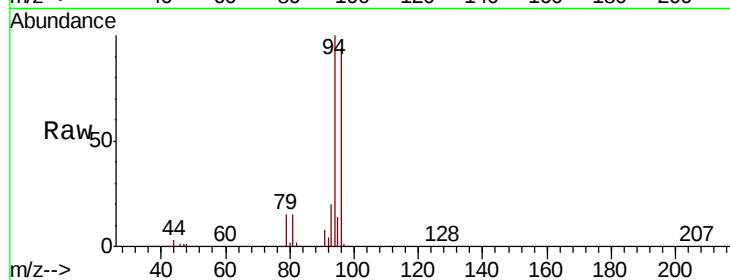
ClientSampled :

Tot Ion: 94 Resp: 392427

Ion Ratio Lower Upper

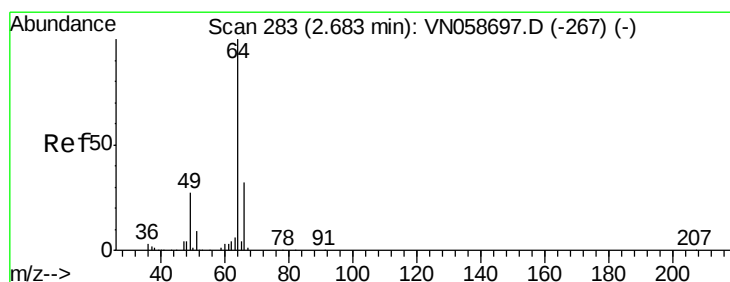
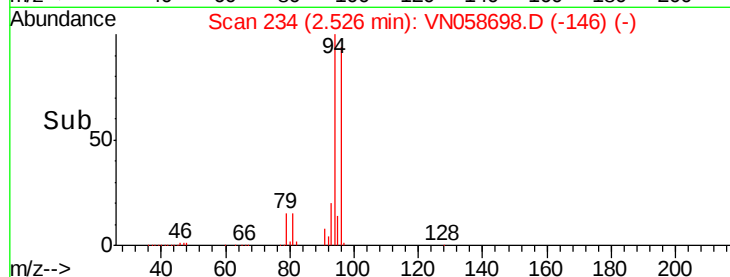
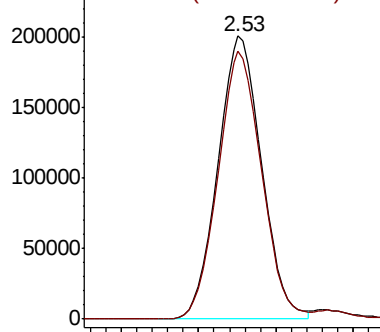
94 100

96 94.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 117.135 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN058698.D

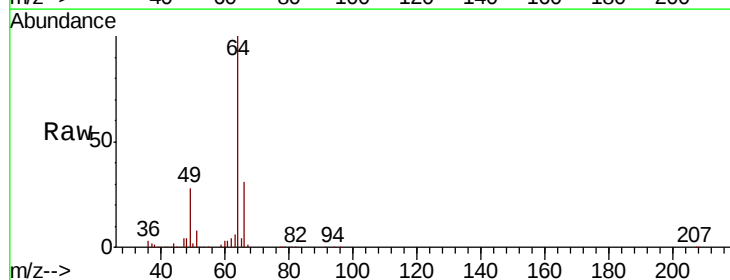
Acq: 11 Oct 2019 12:58

Tgt Ion: 64 Resp: 413663

Ion Ratio Lower Upper

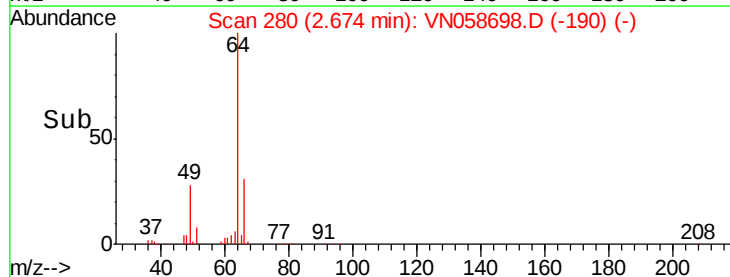
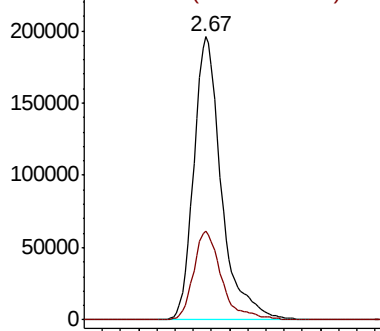
64 100

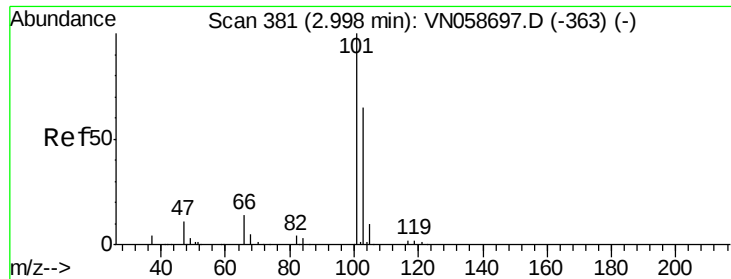
66 31.4 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



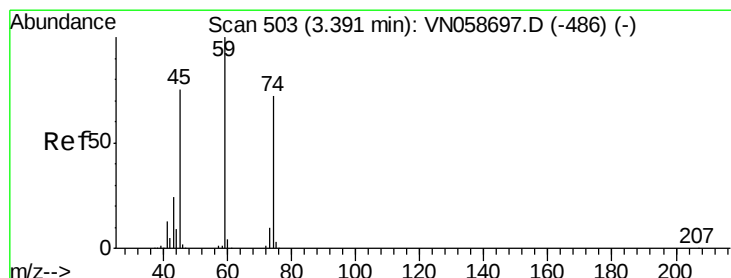
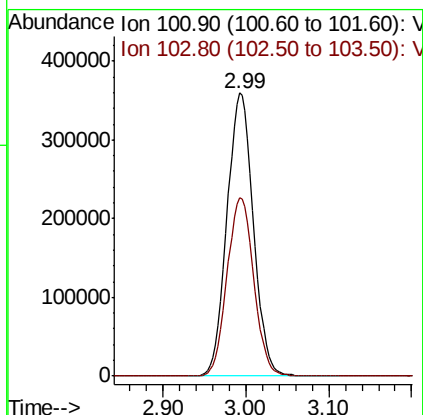
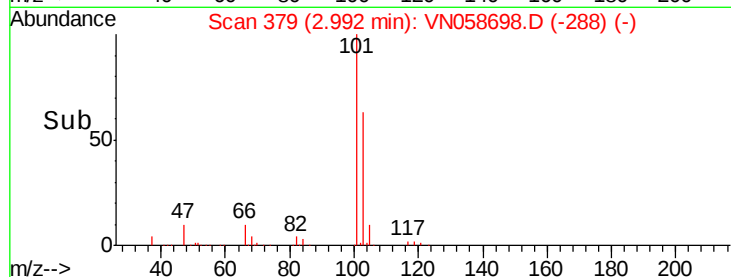
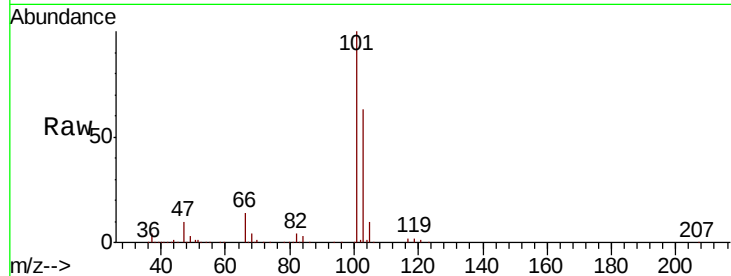


#7

Trichlorofluoromethane
Concen: 113.481 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.01 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampled :

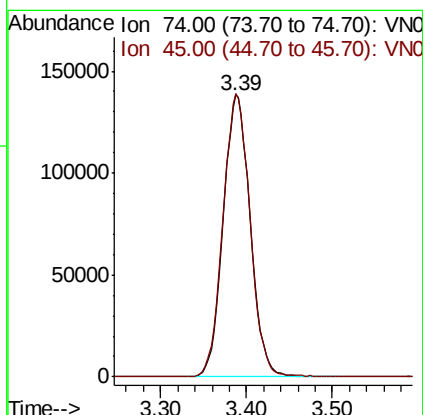
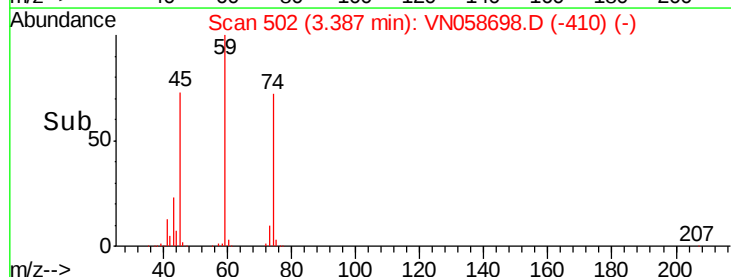
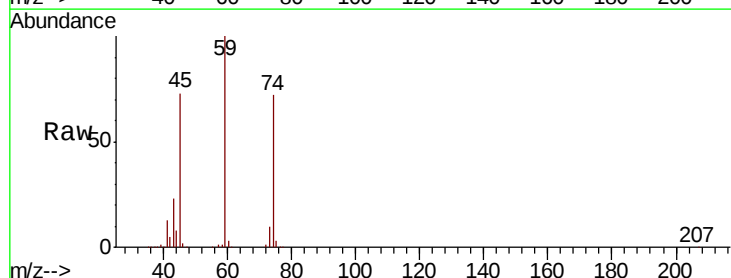
Tot Ion:101 Resp: 796333
Ion Ratio Lower Upper
101 100
103 63.0 51.8 77.6

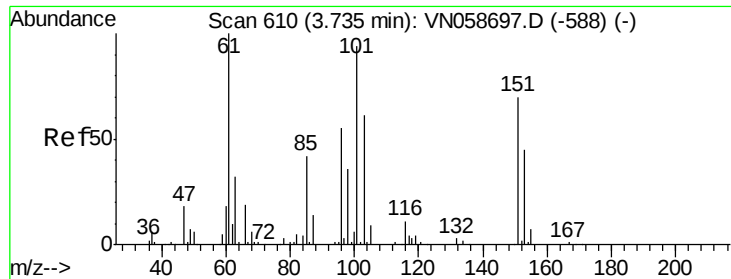


#8

Diethyl Ether
Concen: 101.972 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 74 Resp: 301243
Ion Ratio Lower Upper
74 100
45 100.1 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.207 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

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ClientSampleId :

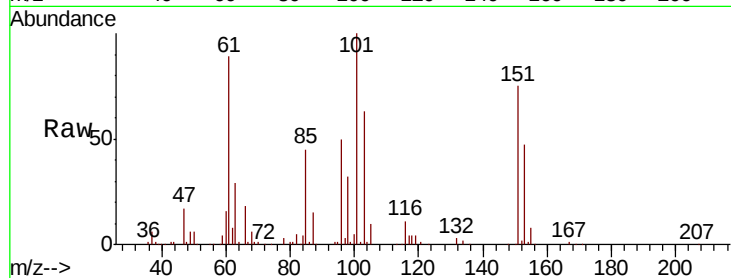
Tot Ion:101 Resp: 454055

Ion Ratio Lower Upper

101 100

85 45.5 37.0 55.6

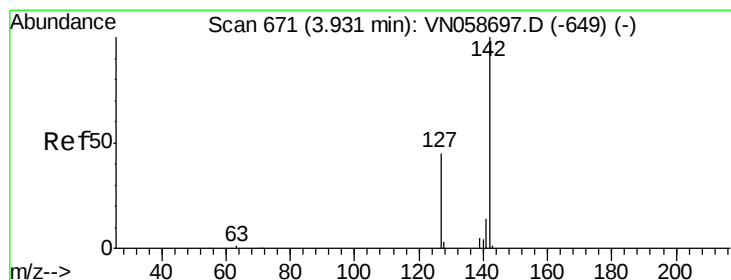
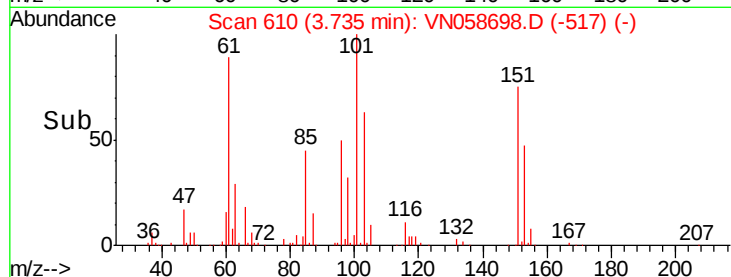
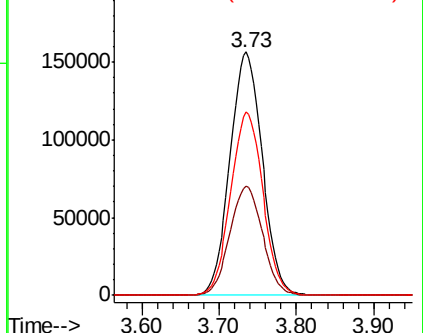
151 75.2 61.8 92.6



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: 123.557 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

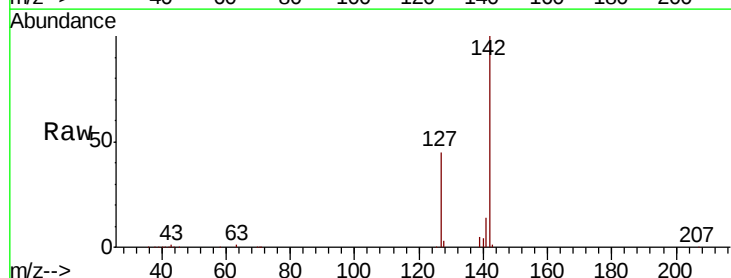
Tgt Ion:142 Resp: 664460

Ion Ratio Lower Upper

142 100

127 45.8 36.4 54.6

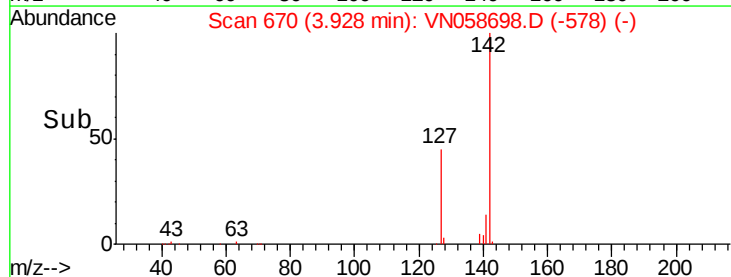
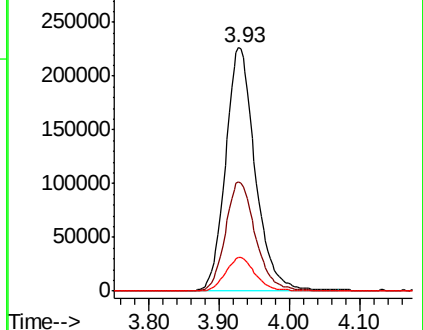
141 13.9 11.1 16.7

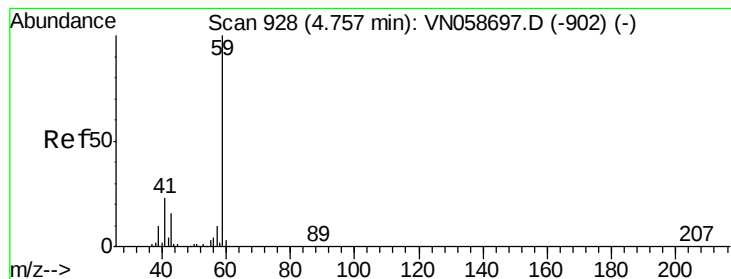


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



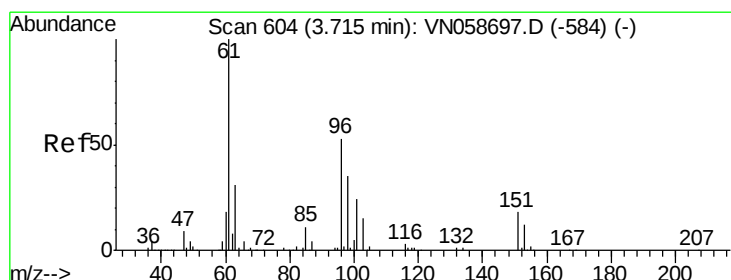
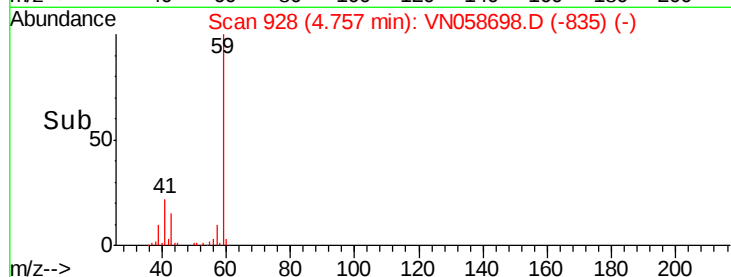
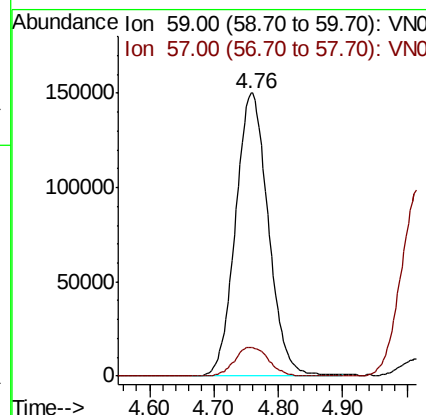
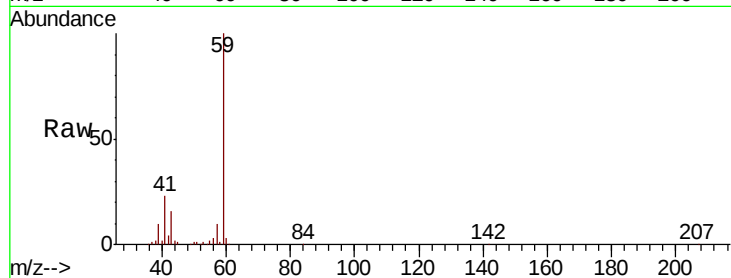


#11

Tert butyl alcohol
 Concen: 639.129 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :

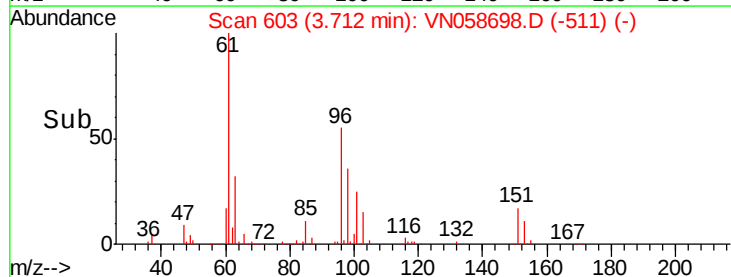
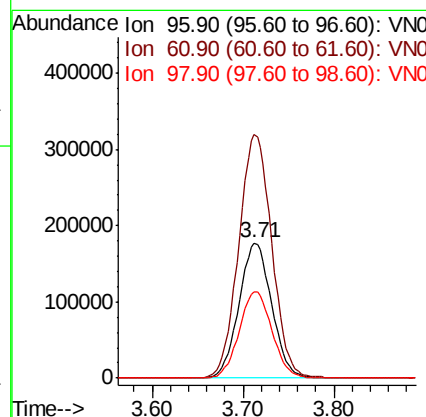
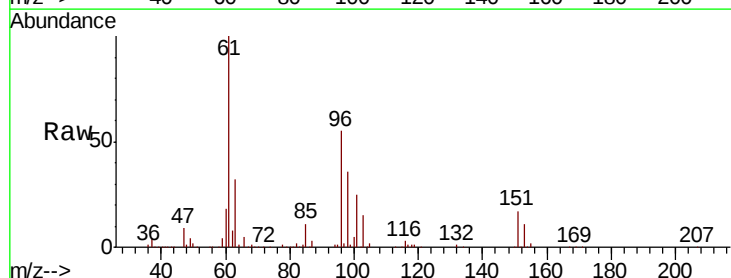
Tot Ion: 59 Resp: 530649
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

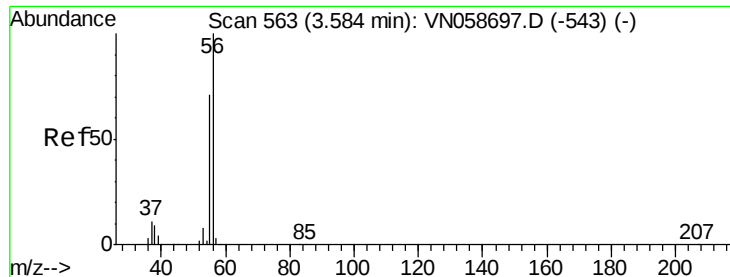


#12

1,1-Dichloroethene
 Concen: 98.387 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion: 96 Resp: 443439
 Ion Ratio Lower Upper
 96 100
 61 180.5 151.3 226.9
 98 64.1 52.6 78.8

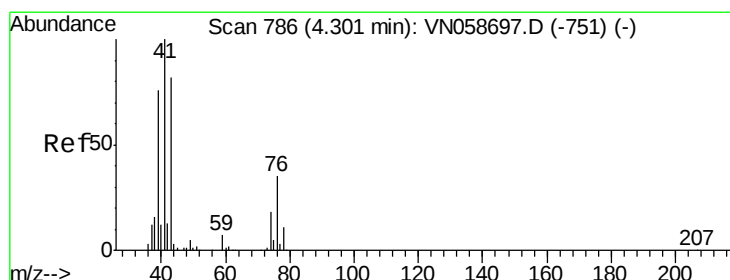
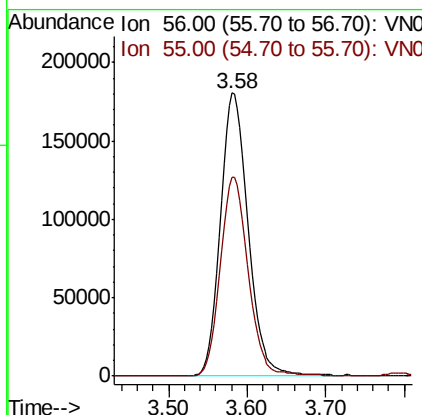
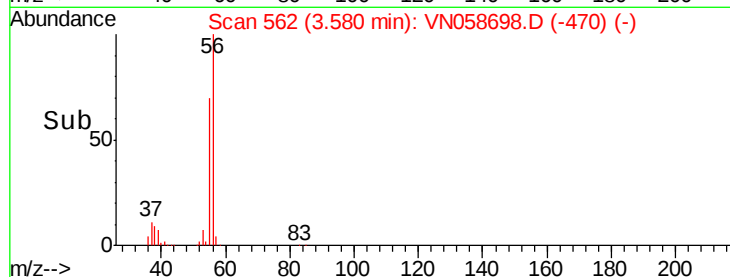
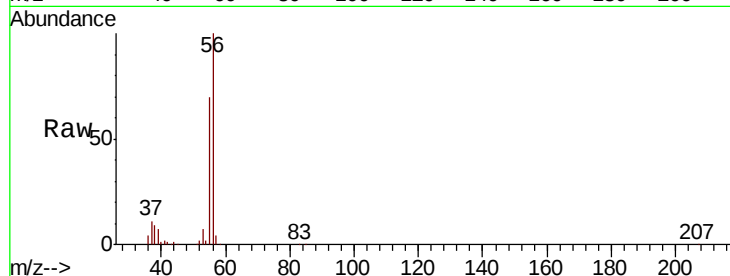




#13
Acrolein
Concen: 1181.437 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

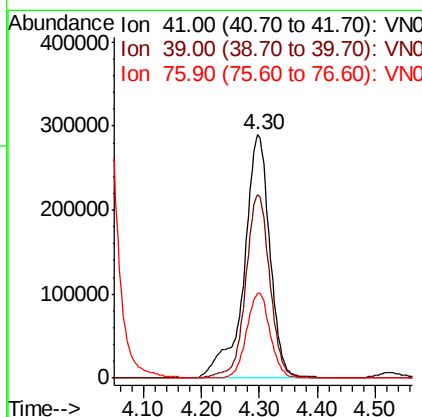
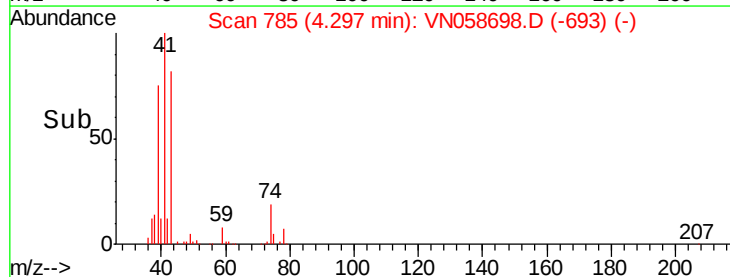
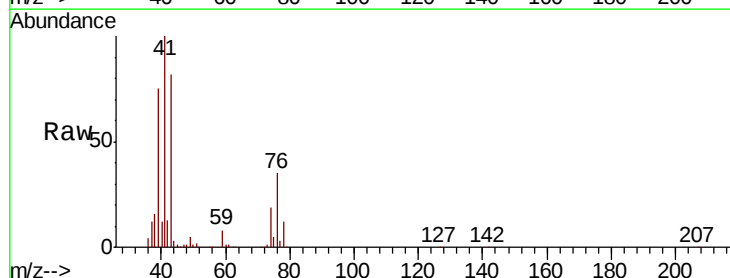
Instrument :
MSVOA_N
ClientSampled :

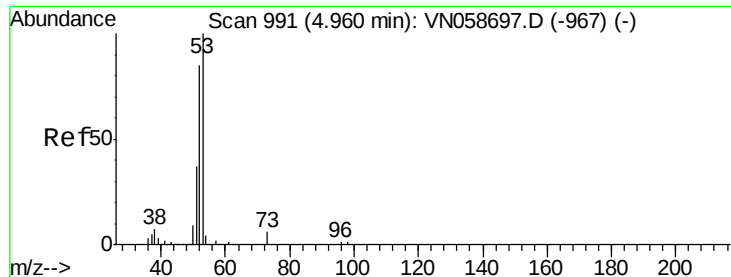
Tot Ion: 56 Resp: 440502
Ion Ratio Lower Upper
56 100
55 70.9 56.7 85.1



#14
Allyl chloride
Concen: 107.900 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 41 Resp: 899907
Ion Ratio Lower Upper
41 100
39 70.3 57.2 85.8
76 31.4 25.0 37.6





#15

Acrylonitrile

Concen: 590.501 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampled :

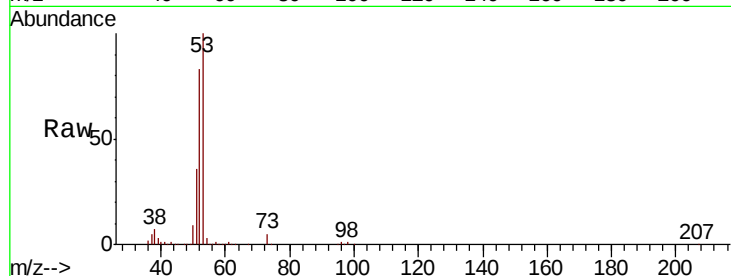
Tot Ion: 53 Resp: 1383826

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.2
51	36.5	29.4	44.2

53 100

52 83.0 66.2 99.2

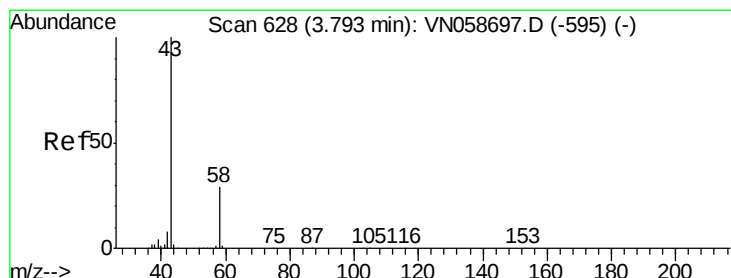
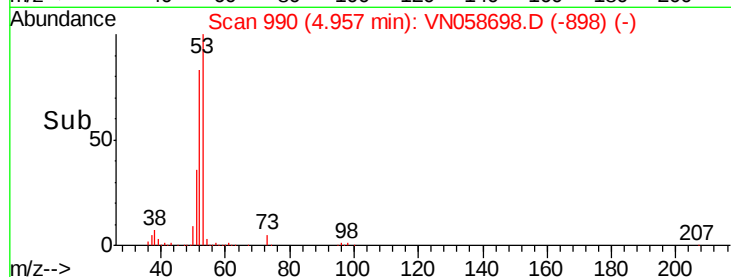
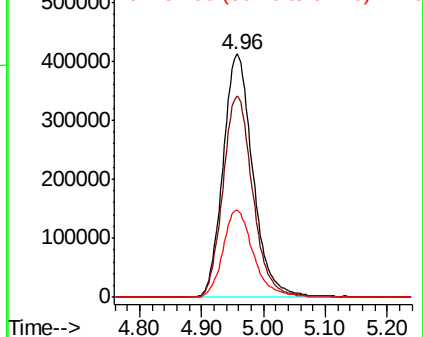
51 36.5 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 547.643 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058698.D

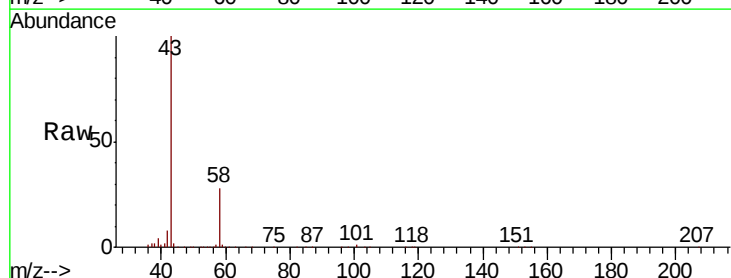
Acq: 11 Oct 2019 12:58

Tgt Ion: 43 Resp: 1339261

Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.3	34.9

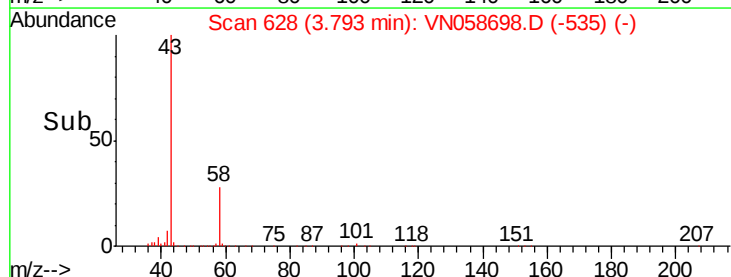
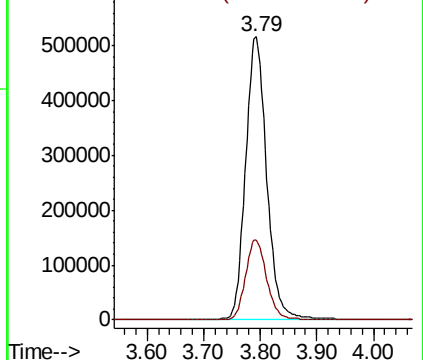
43 100

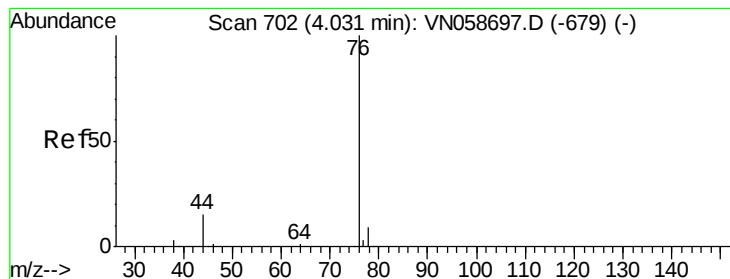
58 28.1 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 115.743 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

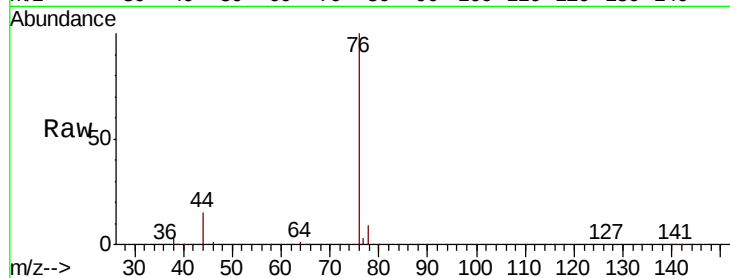
ClientSampled :

Tot Ion: 76 Resp: 1414124

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN058697.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN058698.D (-609) (-)

4.03

500000

400000

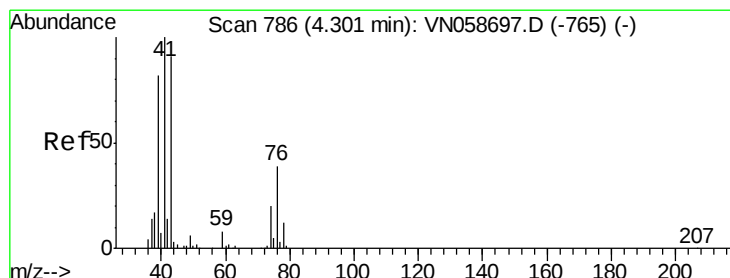
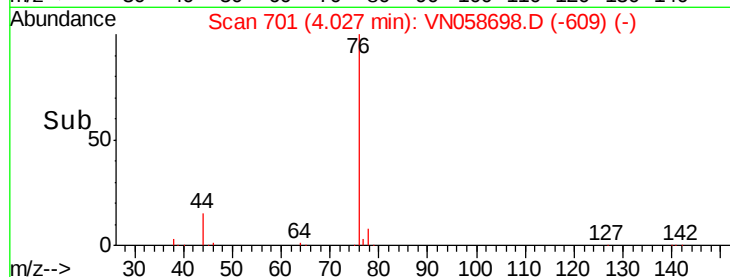
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 109.331 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058698.D

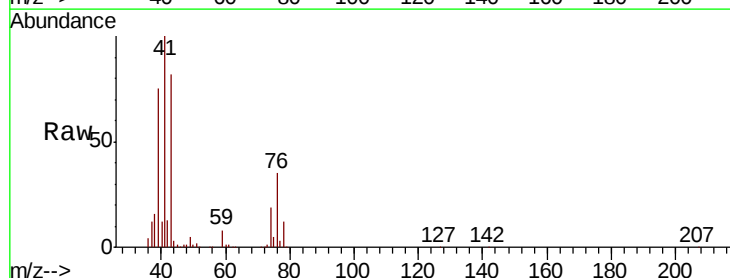
Acq: 11 Oct 2019 12:58

Tgt Ion: 43 Resp: 677345

Ion Ratio Lower Upper

43 100

74 22.0 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-765) (-)

Ion 74.00 (73.70 to 74.70): VN058698.D (-693) (-)

4.30

250000

200000

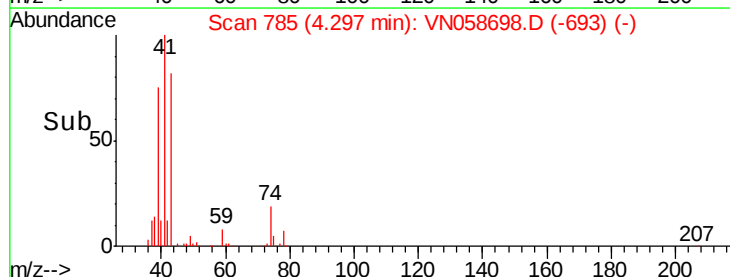
150000

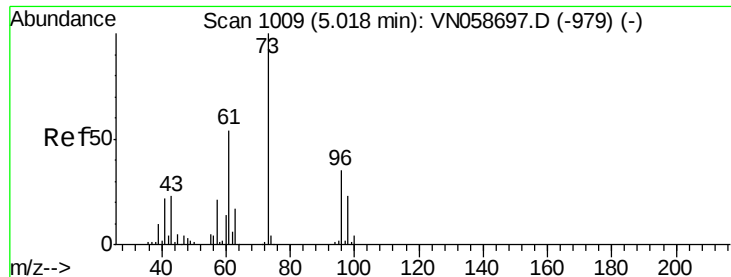
100000

50000

0

Time-->

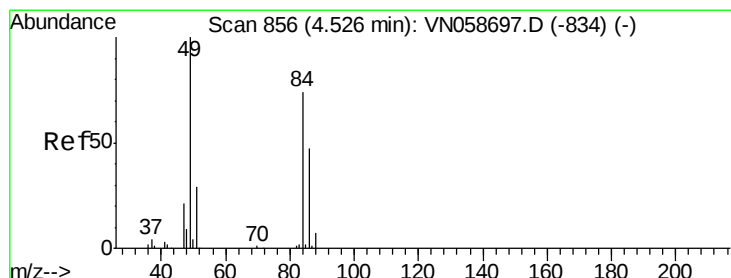
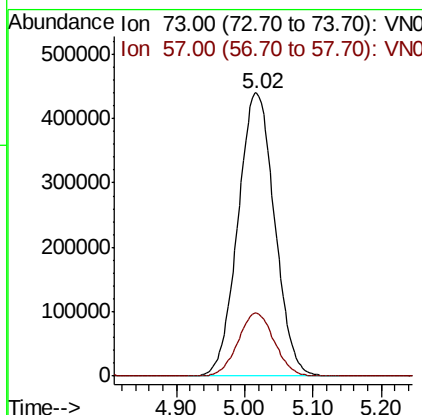
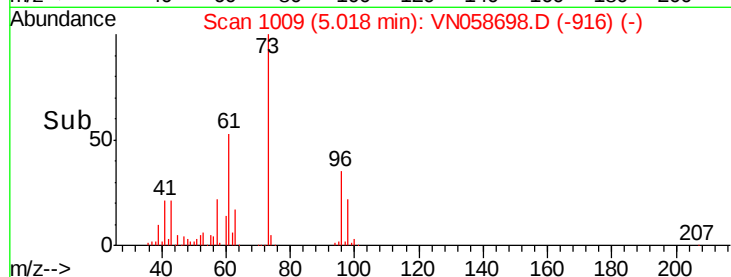
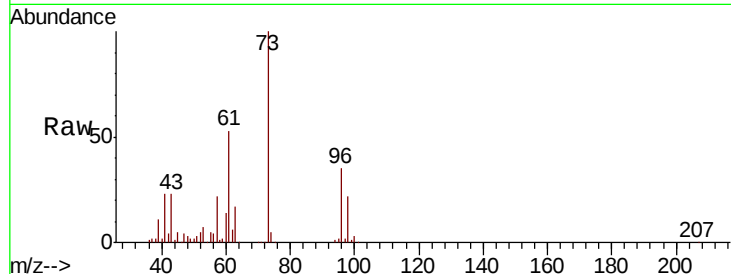




#19
Methvl tert-butvl Ether
Concen: 102.487 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

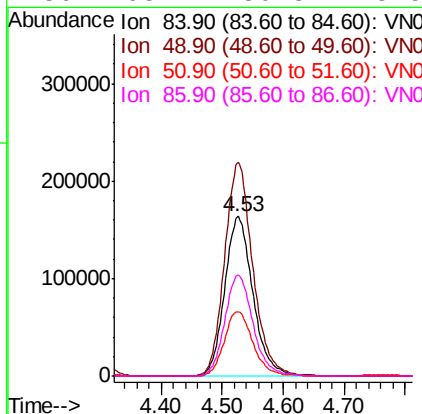
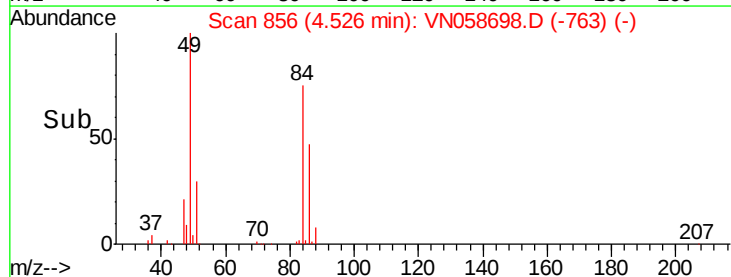
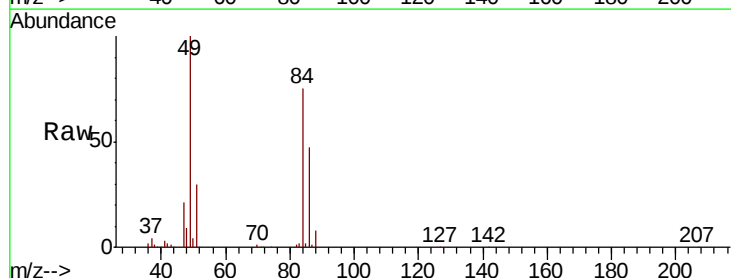
Instrument :
MSVOA_N
ClientSampled :

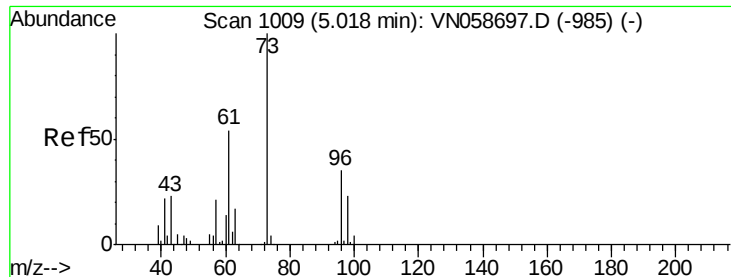
Tot Ion: 73 Resp: 1641265
Ion Ratio Lower Upper
73 100
57 22.4 17.0 25.6



#20
Methylene Chloride
Concen: 94.932 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 84 Resp: 524728
Ion Ratio Lower Upper
84 100
49 134.0 107.6 161.4
51 40.3 31.4 47.0
86 63.2 50.3 75.5

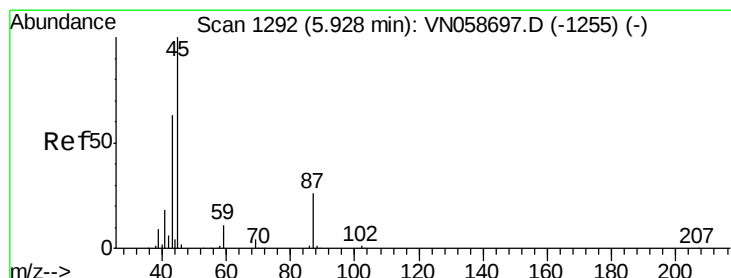
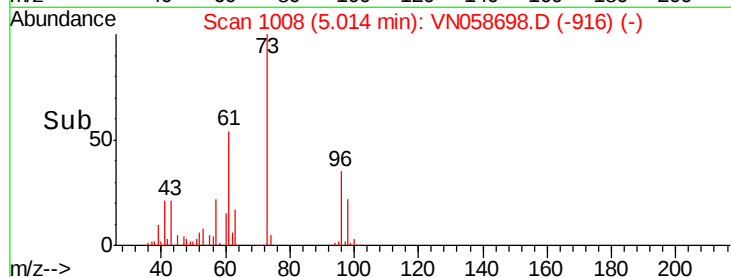
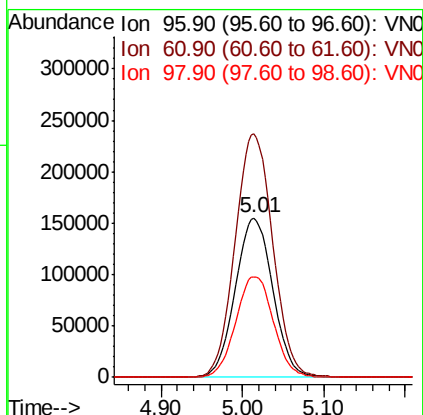
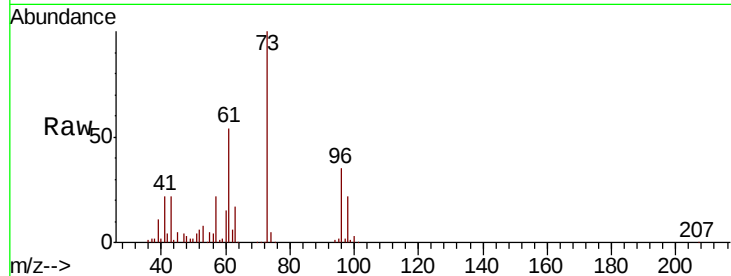




#21
trans-1,2-Dichloroethene
Concen: 98.119 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

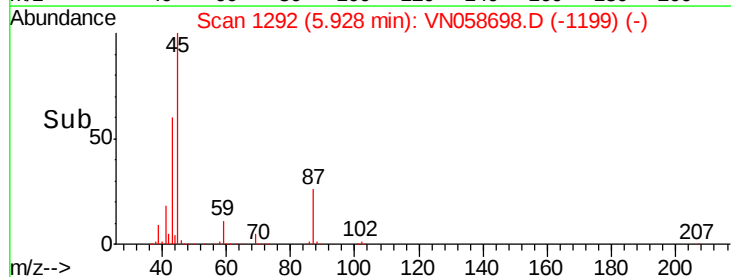
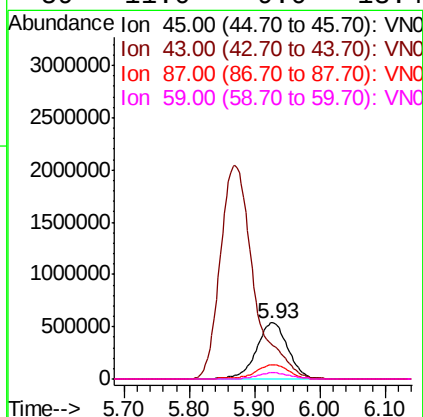
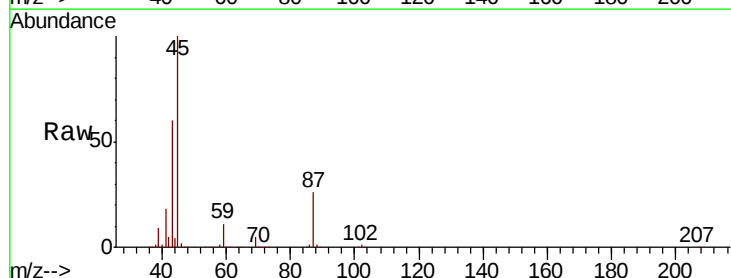
Instrument :
MSVOA_N
ClientSampleId :

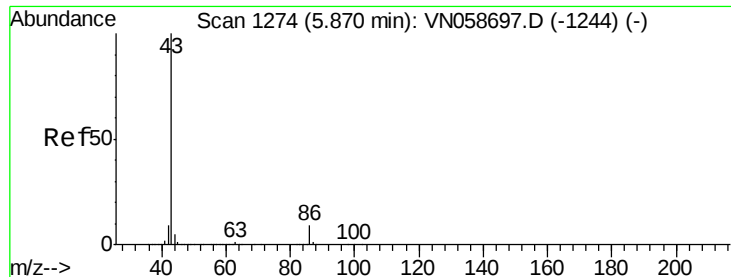
Tot Ion: 96 Resp: 493580
Ion Ratio Lower Upper
96 100
61 152.4 123.6 185.4
98 63.1 52.1 78.1



#22
Diisopropyl ether
Concen: 102.092 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 45 Resp: 1813909
Ion Ratio Lower Upper
45 100
43 59.5 50.6 75.8
87 25.8 21.1 31.7
59 11.0 9.0 13.4





#23

Vinyl Acetate

Concen: 540.789 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

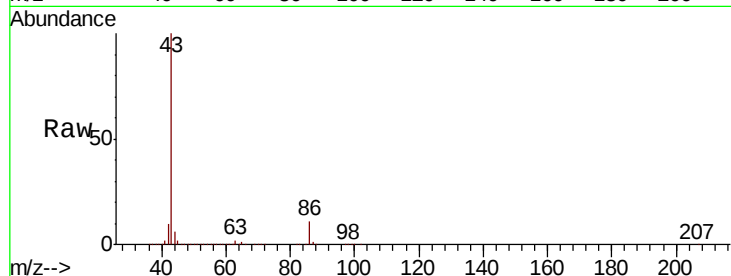
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 7305828

Ion Ratio Lower Upper

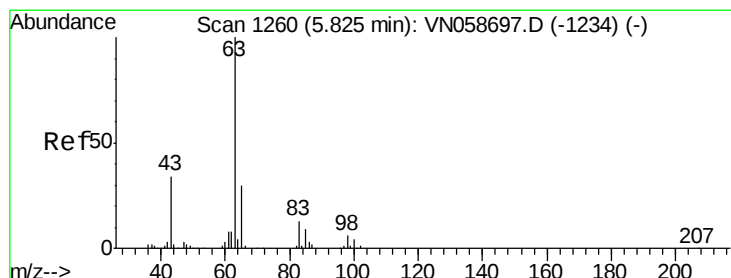
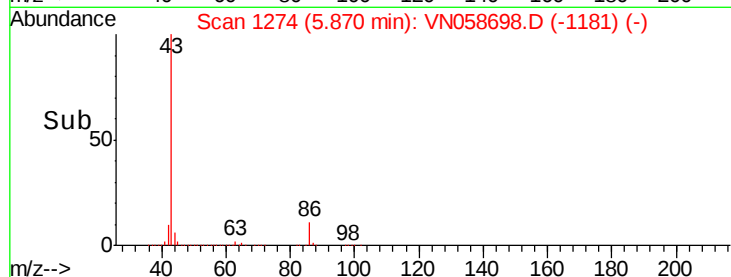
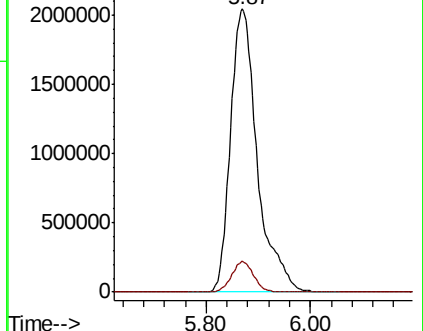
43 100

86 10.9 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1244) (-)

Ion 86.00 (85.70 to 86.70): VN058697.D (-1244) (-)



#24

1,1-Dichloroethane

Concen: 99.020 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

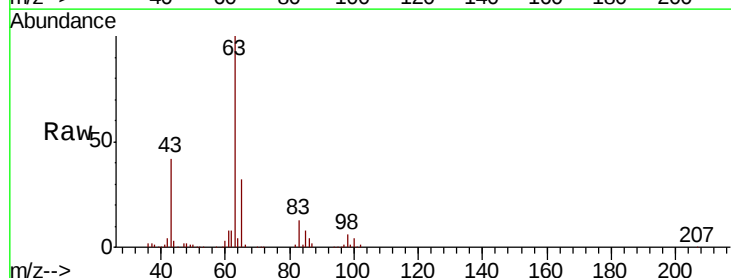
Tgt Ion: 63 Resp: 988275

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

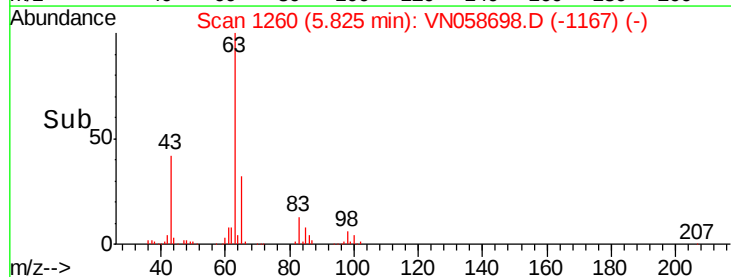
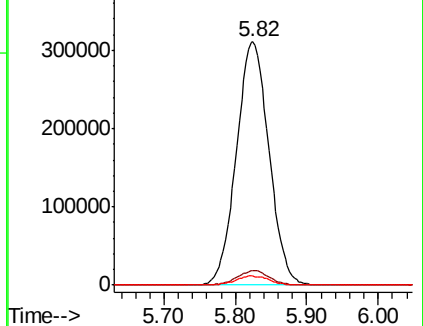
100 3.7 1.8 5.5

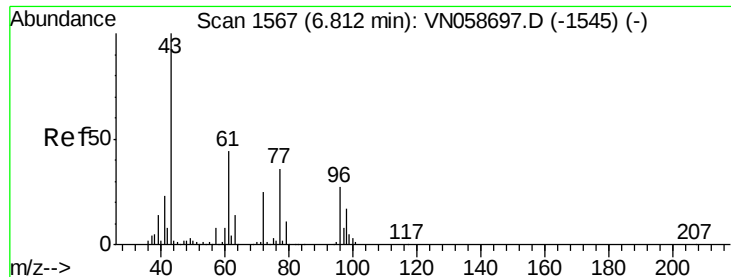


Abundance Ion 62.90 (62.60 to 63.60): VN058697.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN058697.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN058697.D (-1234) (-)





#25

2-Butanone

Concen: 596.250 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

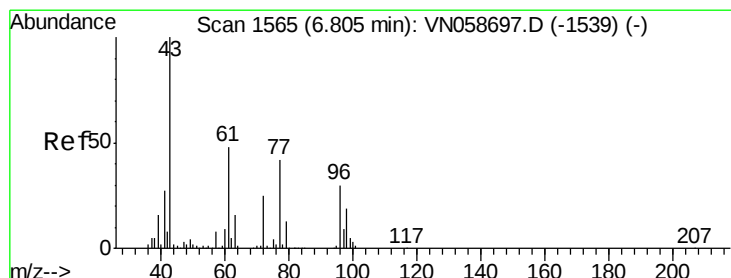
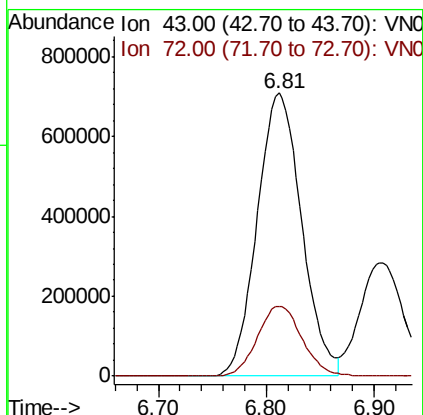
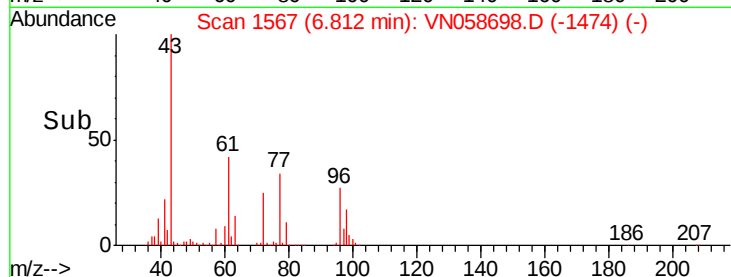
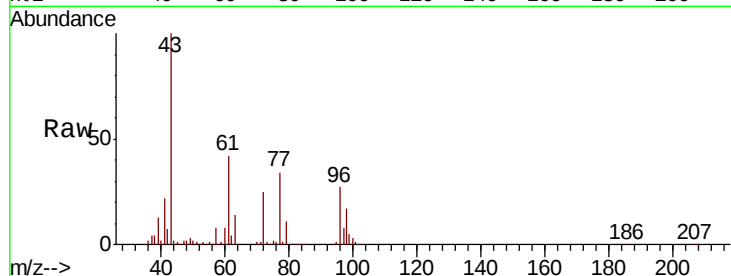
ClientSampled :

Tot Ion: 43 Resp: 2018619

Ion Ratio Lower Upper

43 100

72 24.8 20.2 30.2



#26

2,2-Dichloropropane

Concen: 105.144 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058698.D

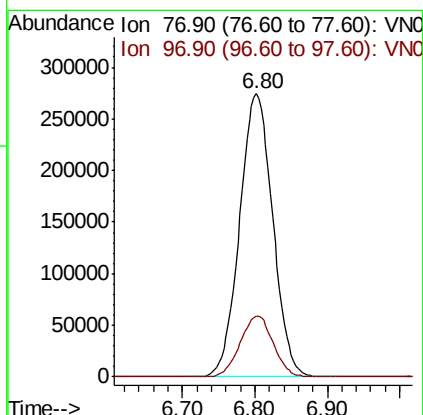
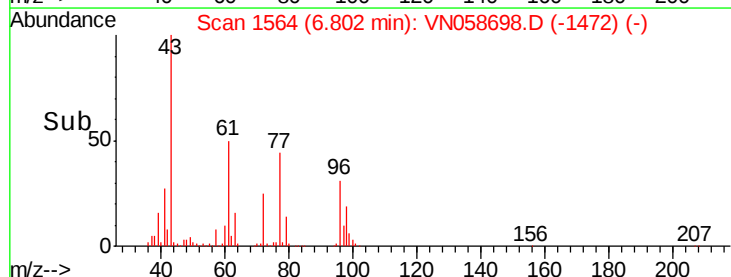
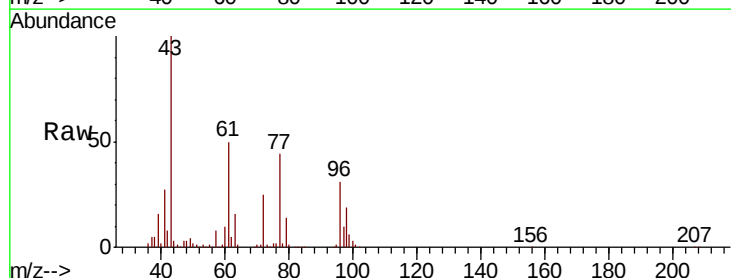
Acq: 11 Oct 2019 12:58

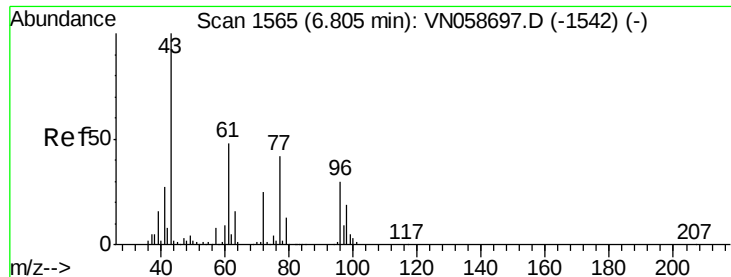
Tgt Ion: 77 Resp: 871212

Ion Ratio Lower Upper

77 100

97 21.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 96.751 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :

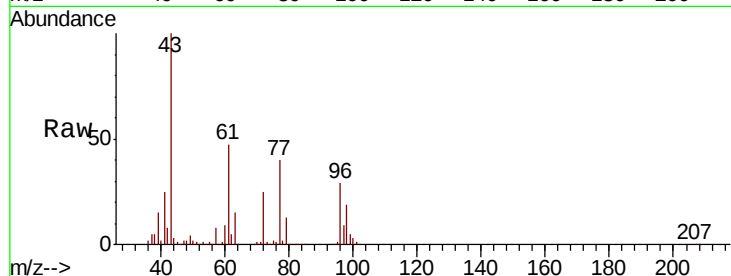
Tot Ion: 96 Resp: 566035

Ion Ratio Lower Upper

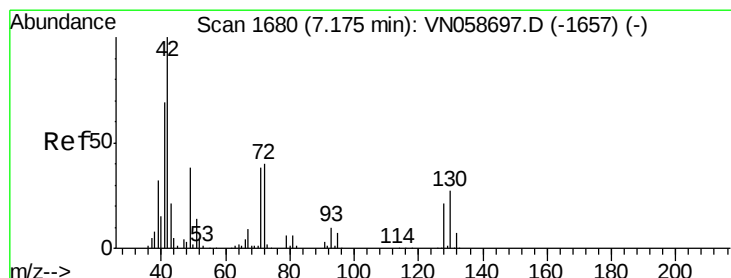
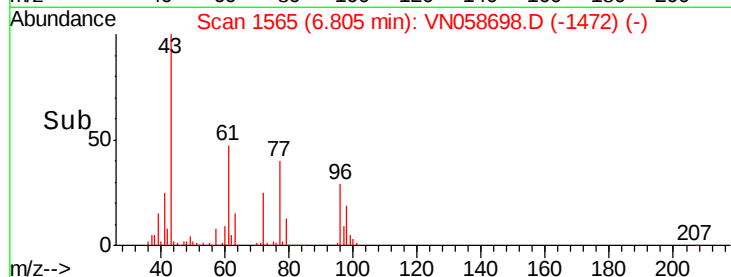
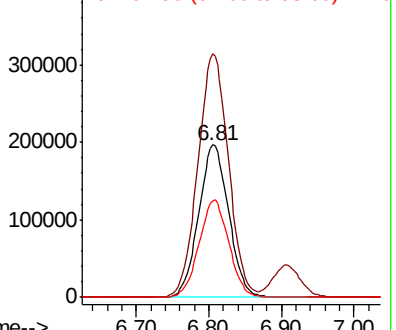
96 100

61 162.5 0.0 324.8

98 63.7 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: 88.932 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

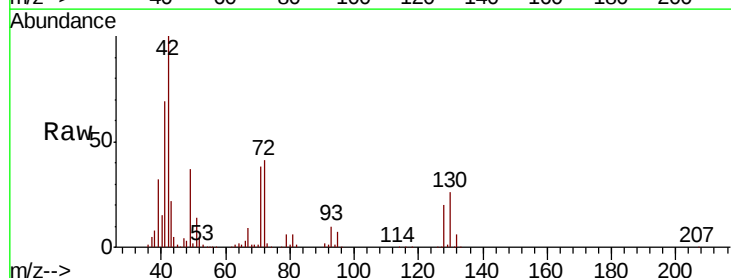
Tgt Ion: 49 Resp: 345600

Ion Ratio Lower Upper

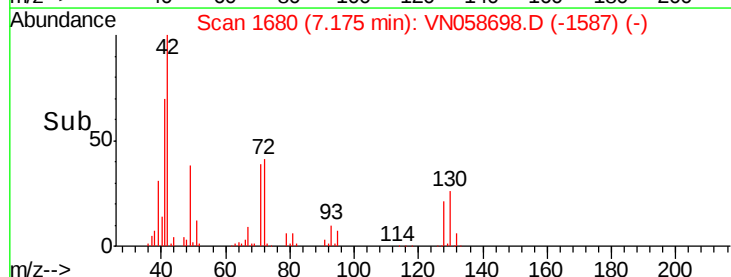
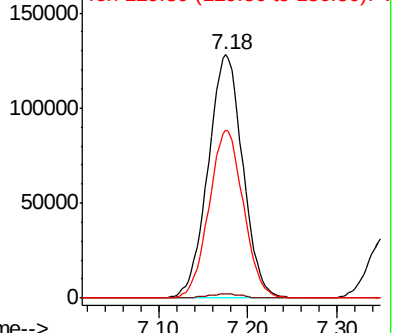
49 100

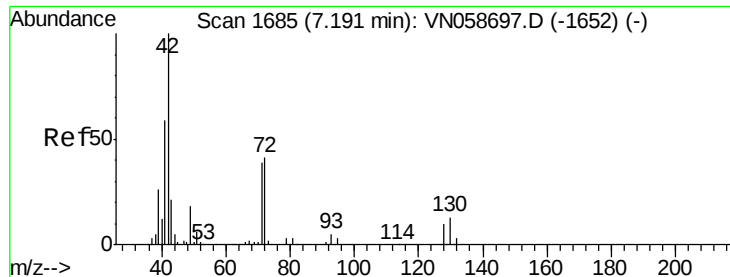
129 1.8 0.0 3.6

130 68.6 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: 604.360 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. -0.00 min

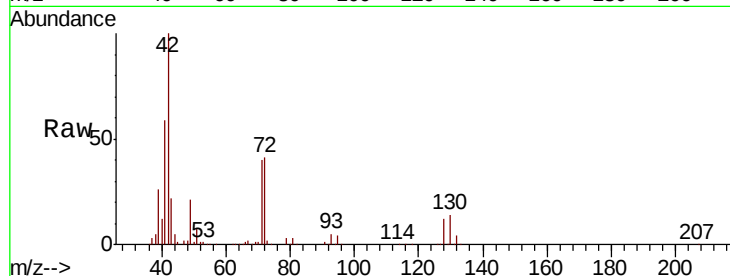
Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 1304899

Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.8	49.2
71	39.1	31.1	46.7

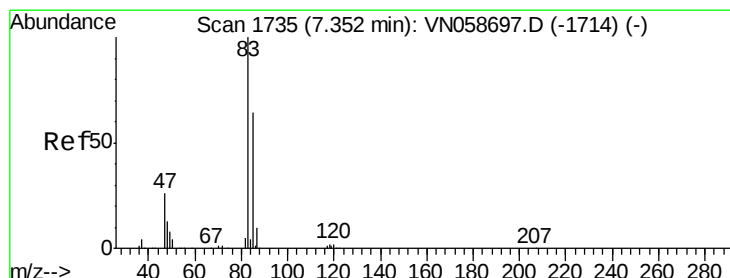
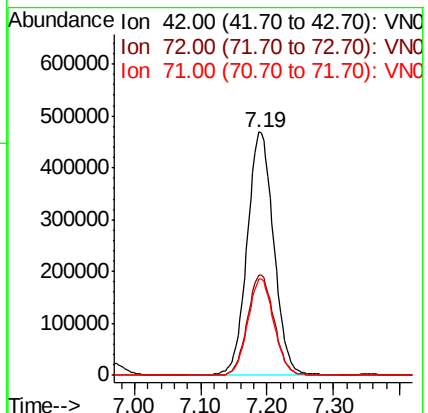
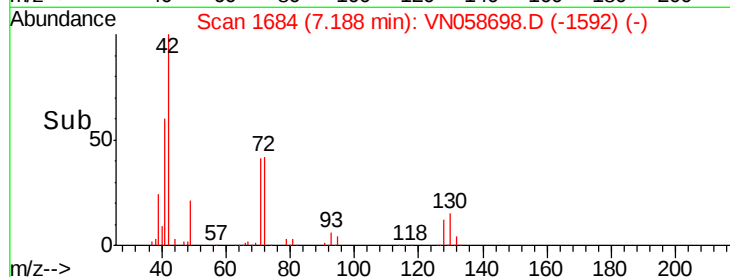


Abundance

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: 96.888 ug/l

RT: 7.35 min Scan# 1735

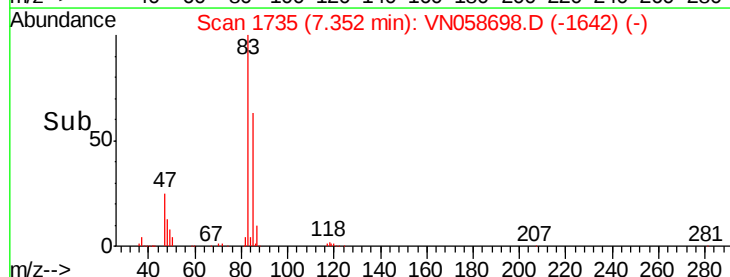
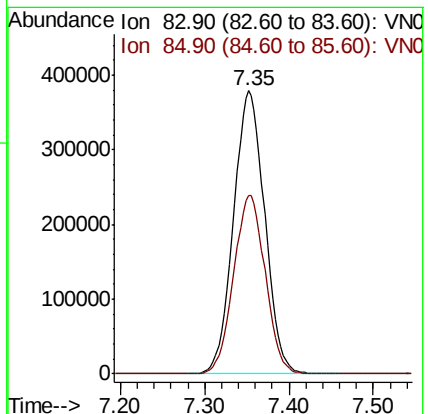
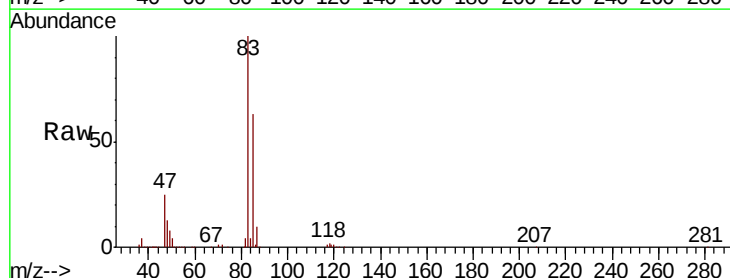
Delta R.T. 0.00 min

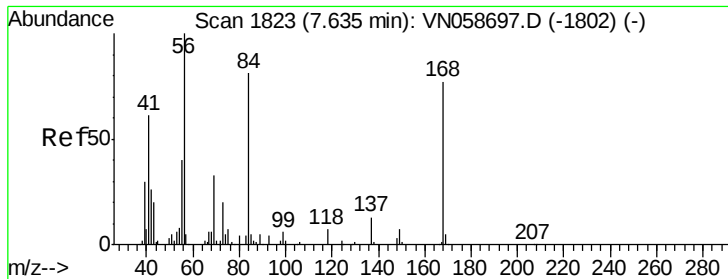
Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Tgt Ion: 83 Resp: 975609

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.0	76.6

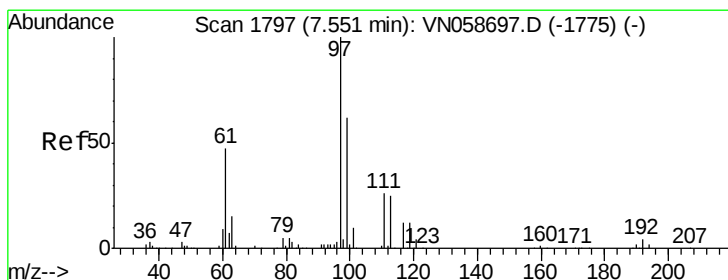
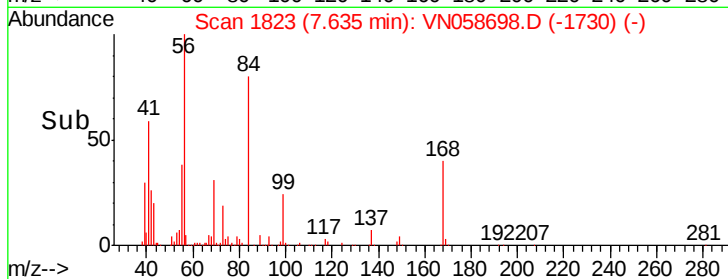
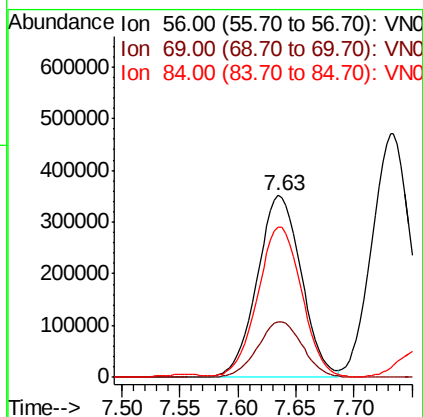
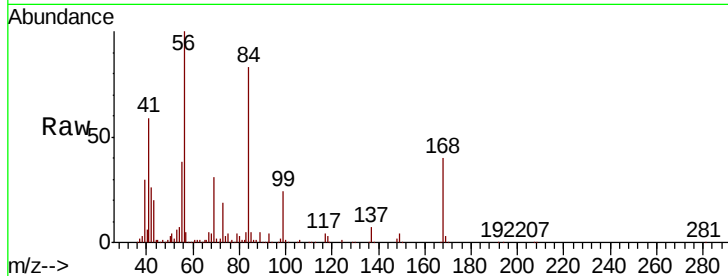




#31
Cyclohexane
Concen: 96.098 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

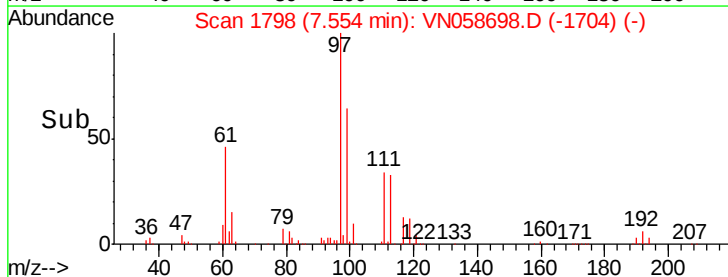
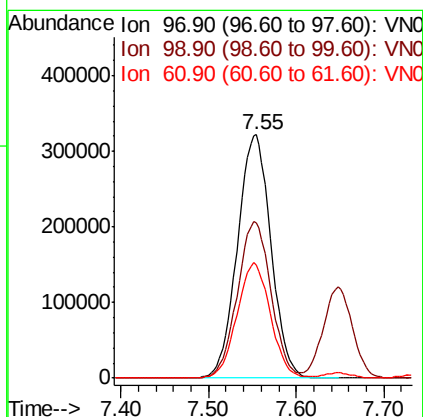
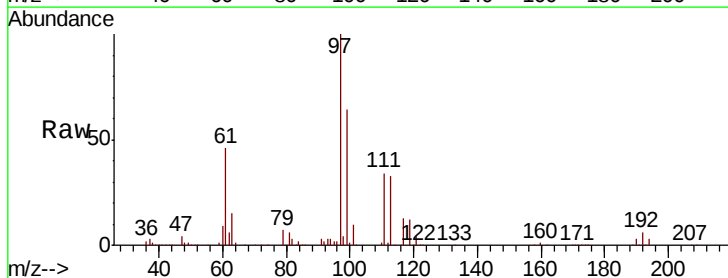
Instrument :
MSVOA_N
ClientSampleId :

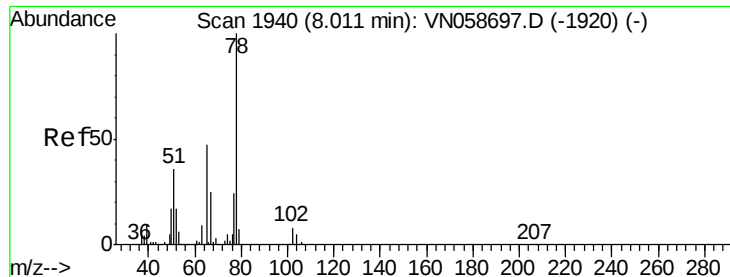
Tot Ion: 56 Resp: 930337
Ion Ratio Lower Upper
56 100
69 30.7 26.2 39.4
84 81.4 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 102.751 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 97 Resp: 856170
Ion Ratio Lower Upper
97 100
99 64.6 50.8 76.2
61 47.1 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 93.744 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

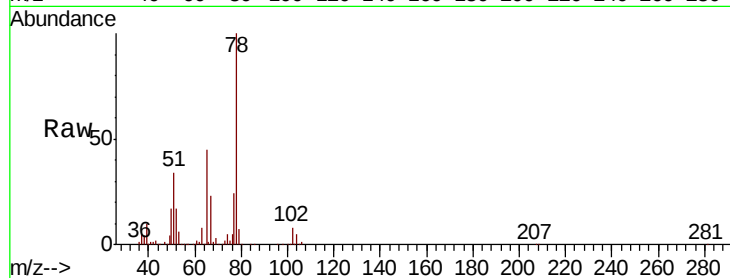
ClientSampleId :

Tot Ion: 65 Resp: 649370

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN058697.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN058697.D (-1920) (-)

8.01

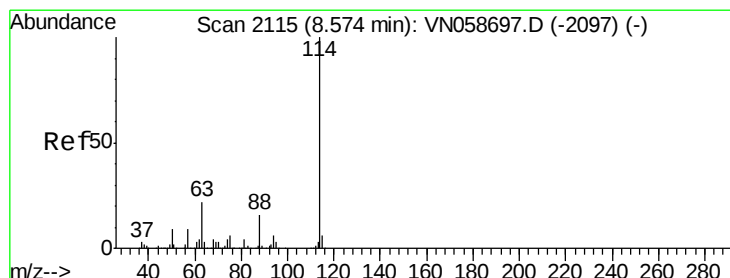
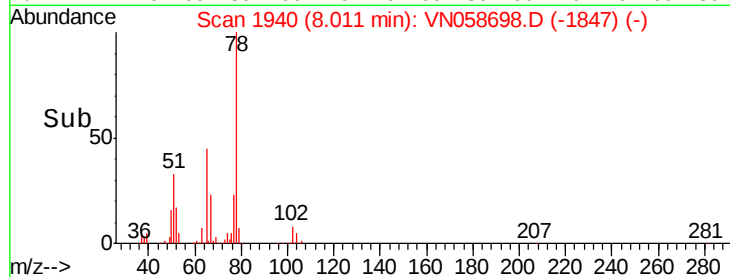
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

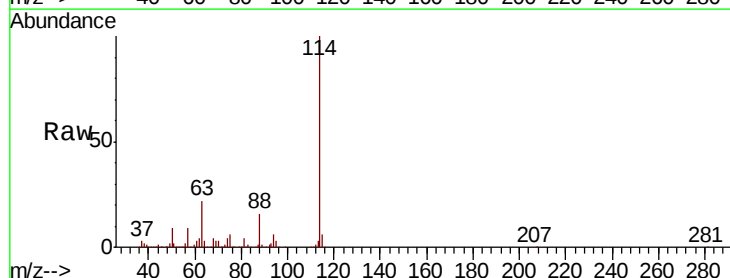
Tgt Ion: 114 Resp: 772112

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.8

88 15.7 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VN058697.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058697.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058697.D (-2097) (-)

8.57

500000

400000

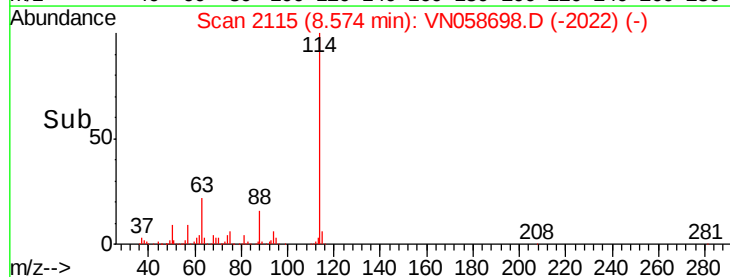
300000

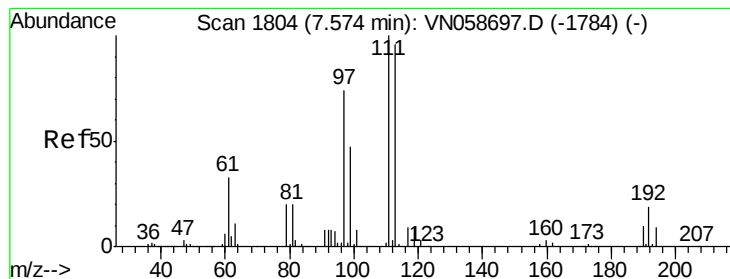
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 100.251 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampled :

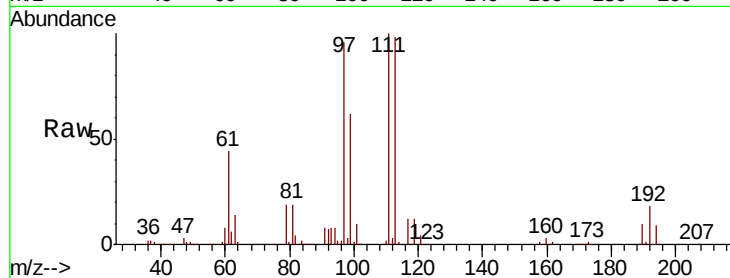
Tot Ion:113 Resp: 473452

Ion Ratio Lower Upper

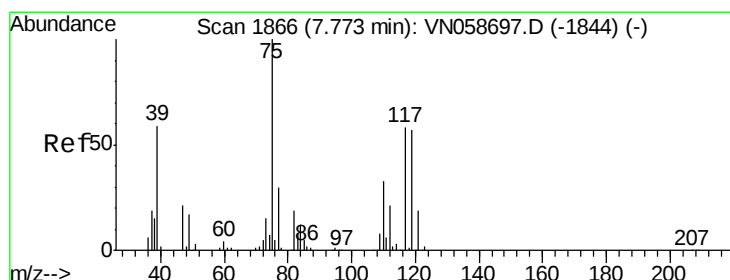
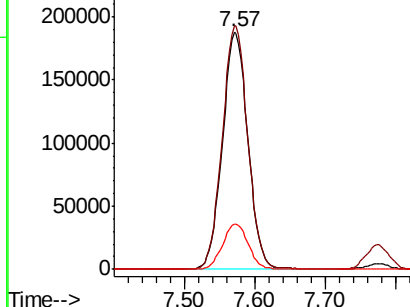
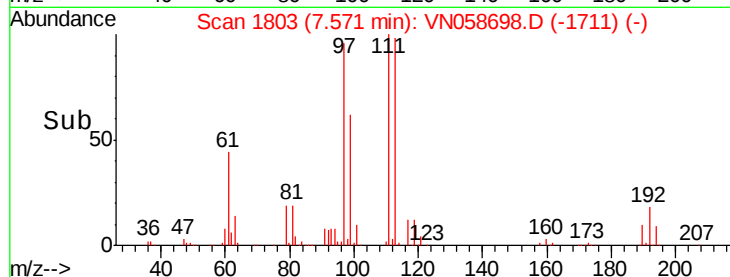
113 100

111 102.5 82.3 123.5

192 19.3 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: 104.209 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

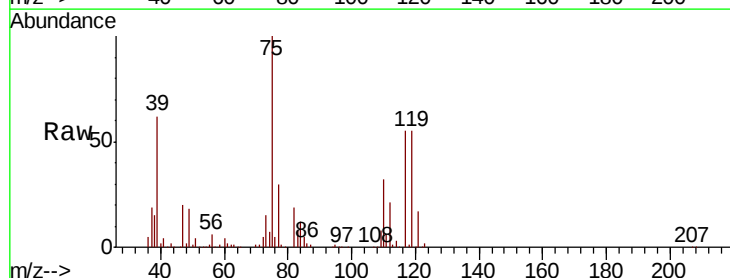
Tgt Ion: 75 Resp: 773874

Ion Ratio Lower Upper

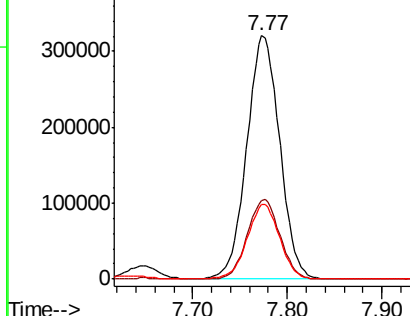
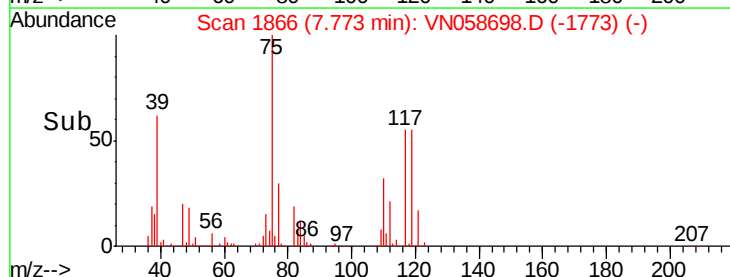
75 100

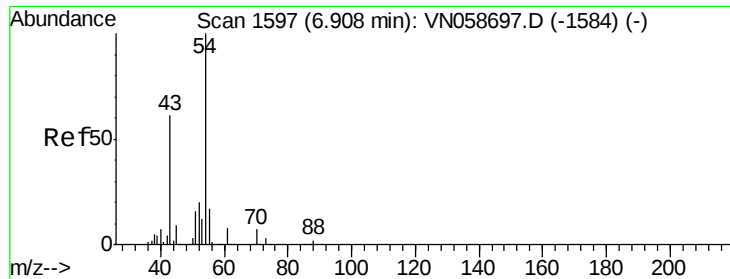
110 32.4 16.6 49.8

77 30.5 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

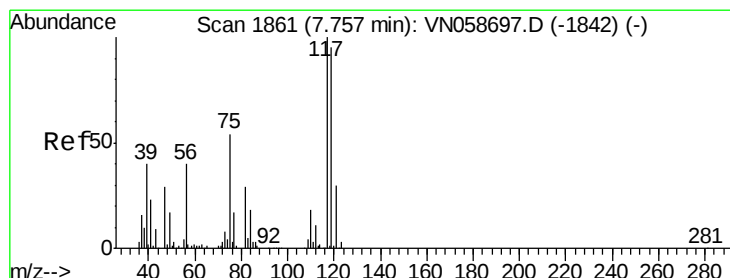
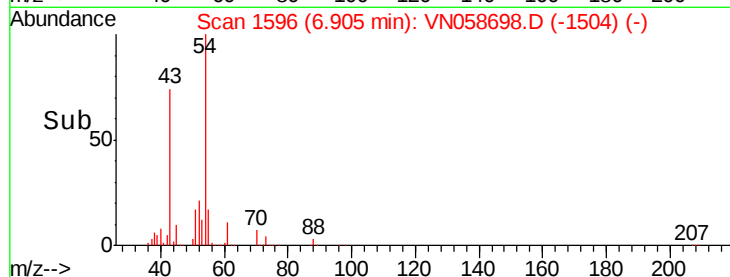
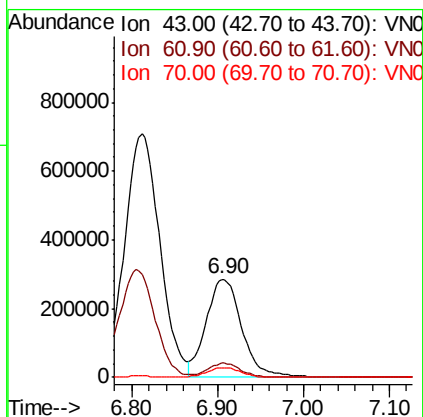
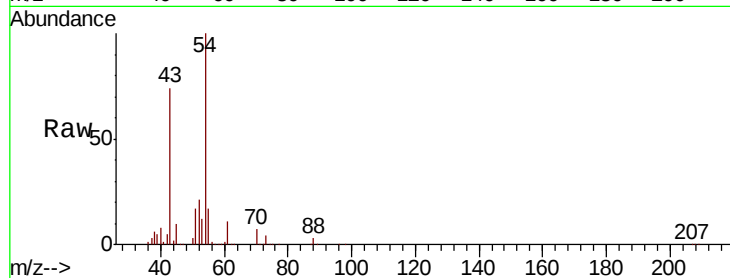




#37
Ethyl Acetate
Concen: 125.298 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

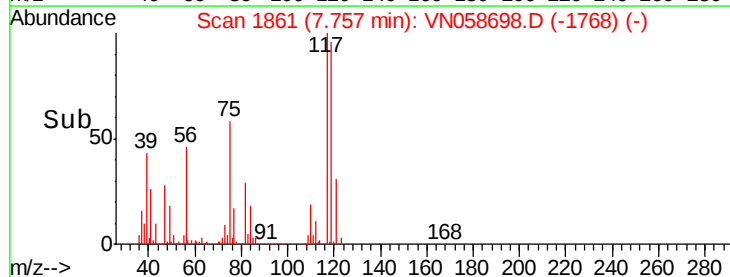
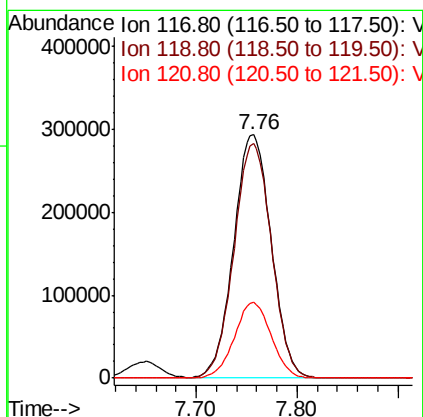
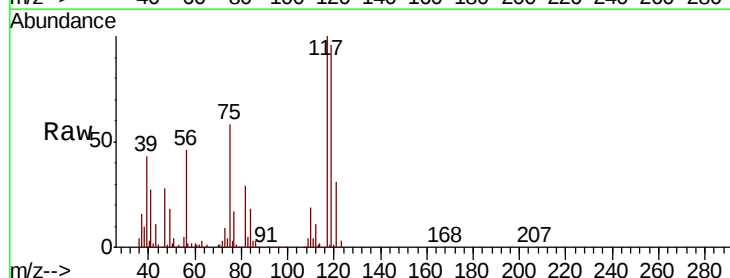
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 816676
Ion Ratio Lower Upper
43 100
61 13.4 11.3 16.9
70 9.8 7.2 10.8



#38
Carbon Tetrachloride
Concen: 111.505 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 117 Resp: 757372
Ion Ratio Lower Upper
117 100
119 96.4 75.7 113.5
121 31.1 23.9 35.9

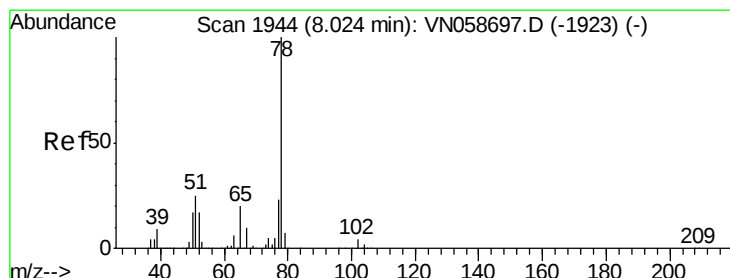
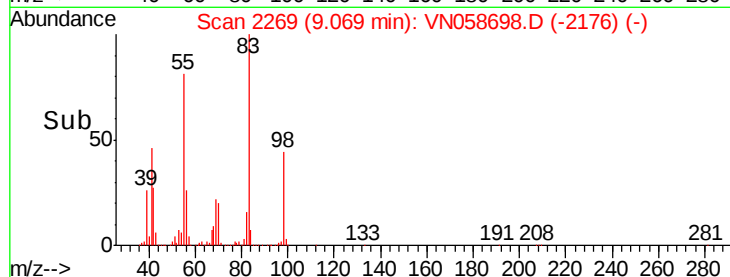
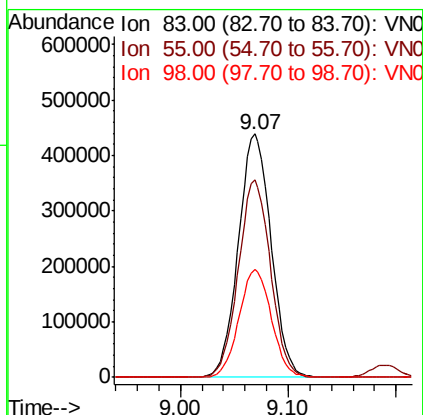
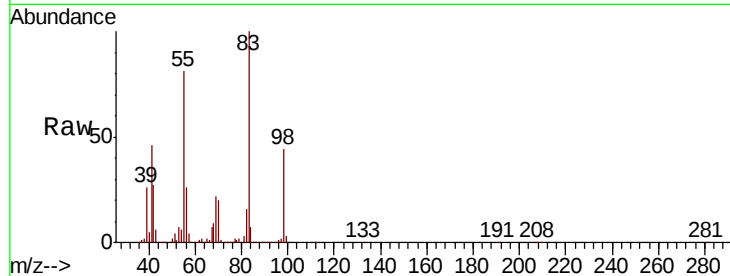




#39
Methvlcvclohexane
Concen: 106.550 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

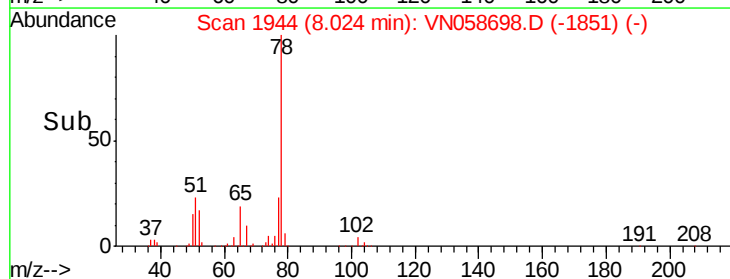
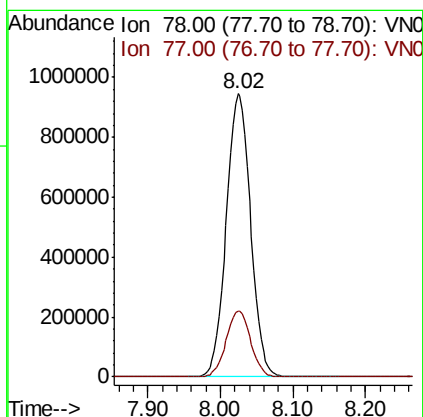
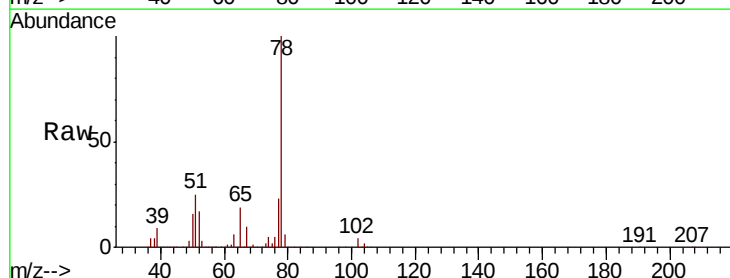
Instrument :
MSVOA_N
ClientSampled :

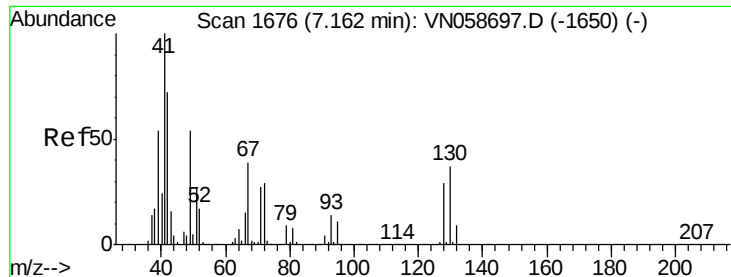
Tot Ion: 83 Resp: 926577
Ion Ratio Lower Upper
83 100
55 81.0 63.4 95.0
98 44.2 35.1 52.7



#40
Benzene
Concen: 103.127 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 78 Resp: 2200121
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

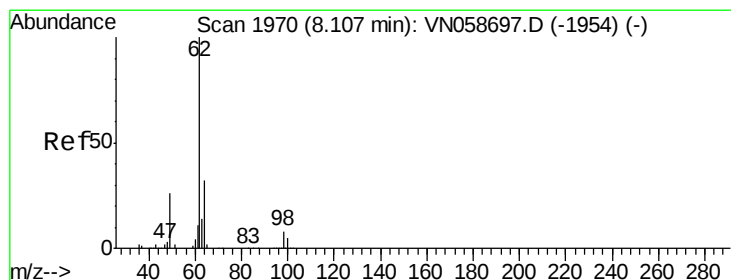
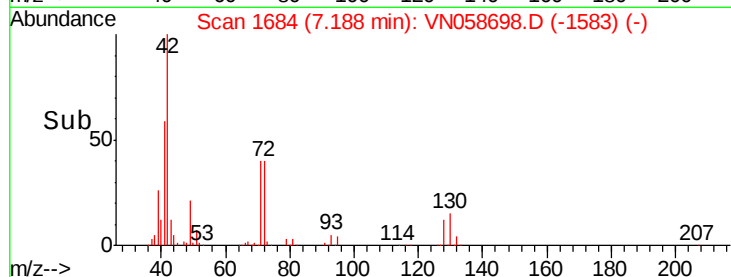
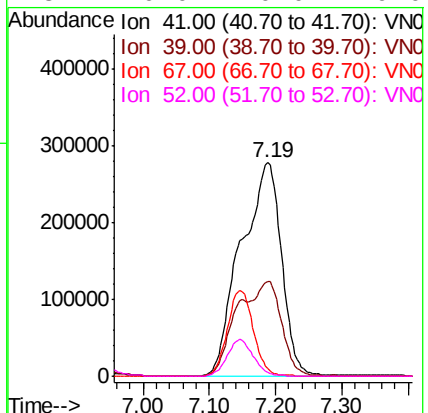
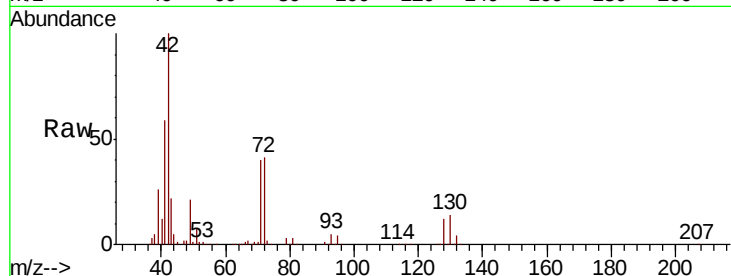




#41
Methacrylonitrile
Concen: 384.224 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

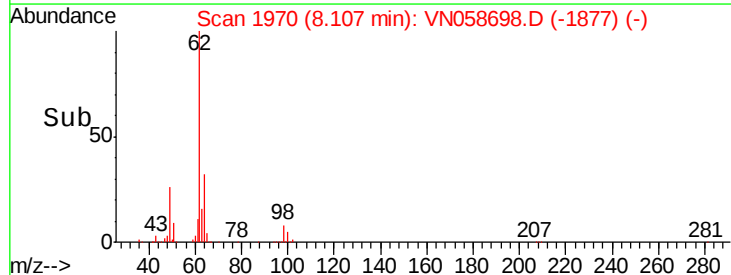
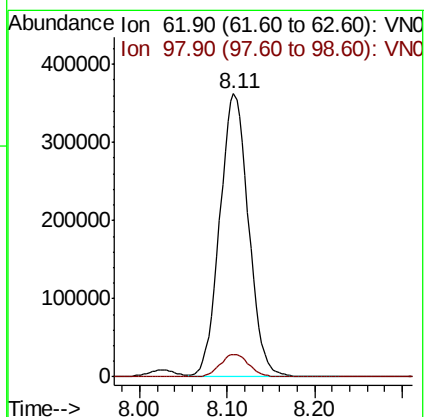
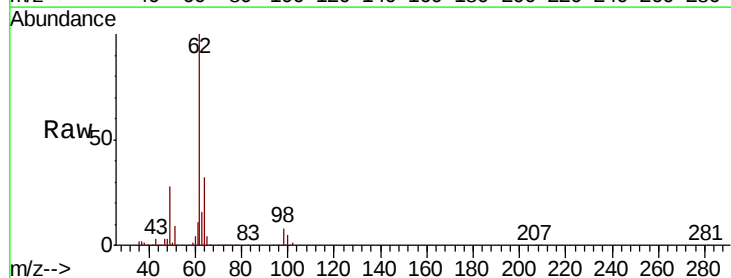
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 1174262
Ion Ratio Lower Upper
41 100
39 0.0 115.4 173.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 99.778 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 62 Resp: 827792
Ion Ratio Lower Upper
62 100
98 8.0 0.0 15.8





#43

Isopropyl Acetate

Concen: 112.568 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

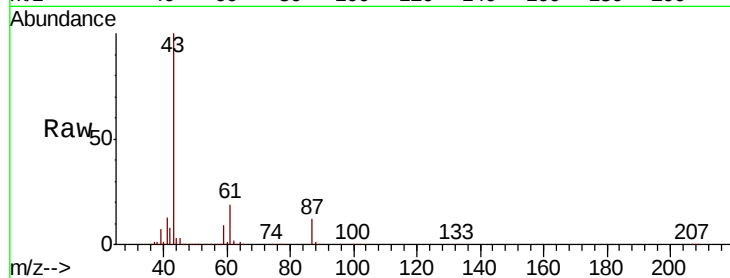
Tot Ion: 43 Resp: 1358841

Ion Ratio Lower Upper

43 100

61 25.1 20.3 30.5

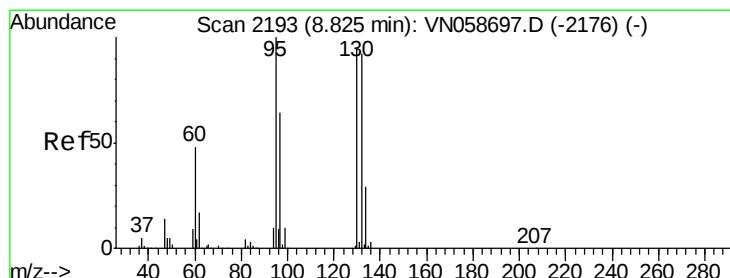
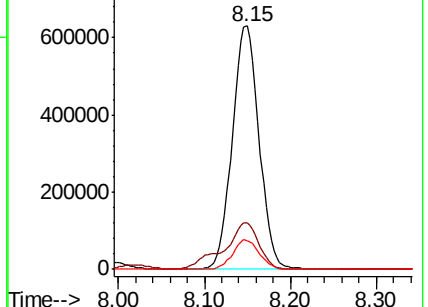
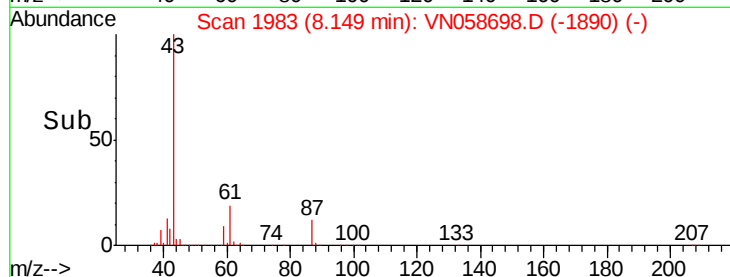
87 12.2 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058697.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058697.D (-1962) (-)



#44

Trichloroethene

Concen: 103.380 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058698.D

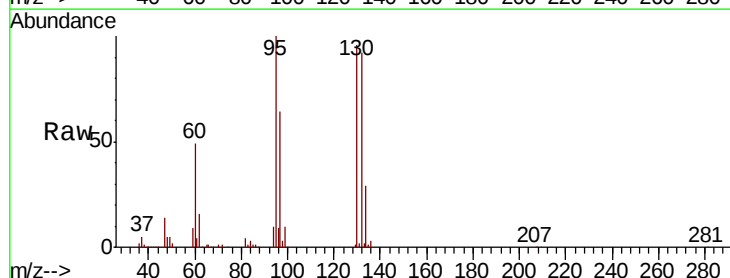
Acq: 11 Oct 2019 12:58

Tgt Ion:130 Resp: 543804

Ion Ratio Lower Upper

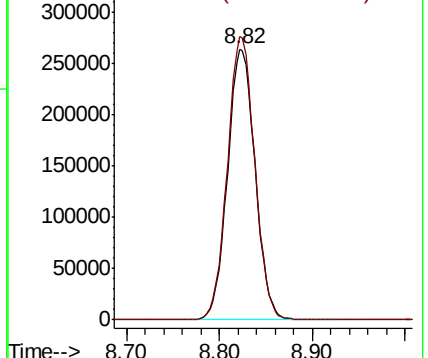
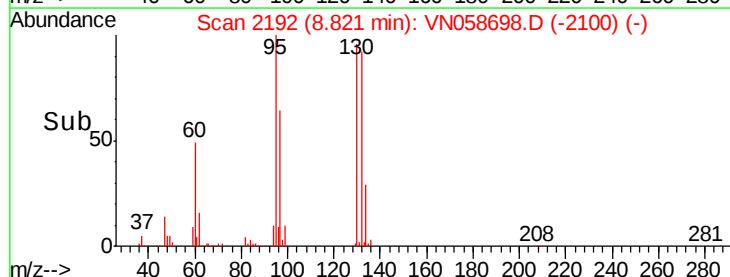
130 100

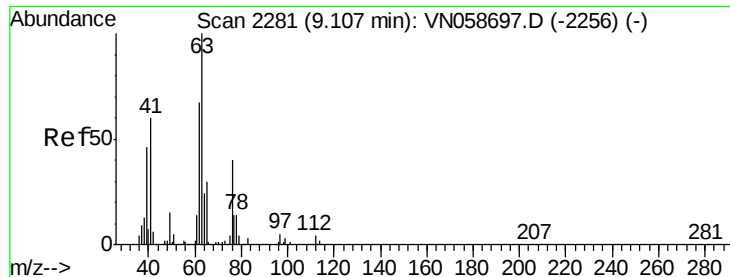
95 104.6 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058697.D (-2176) (-)

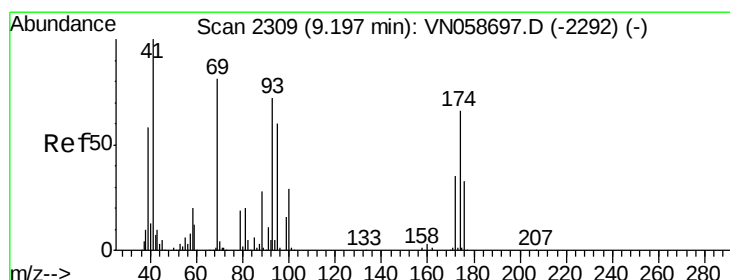
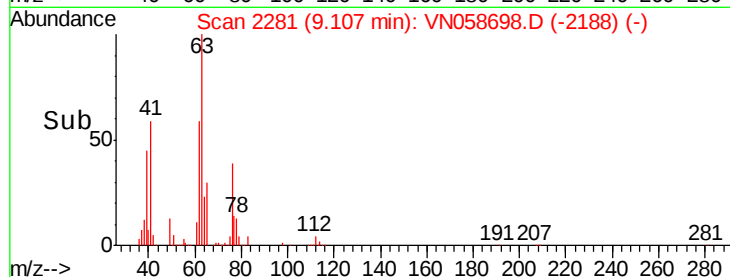
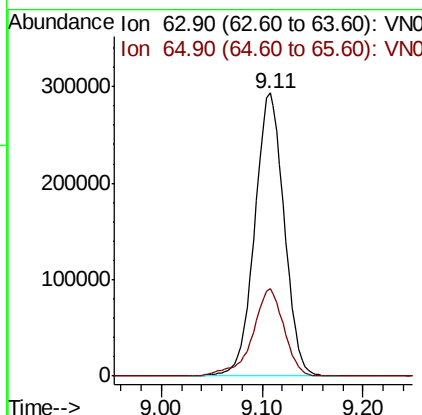
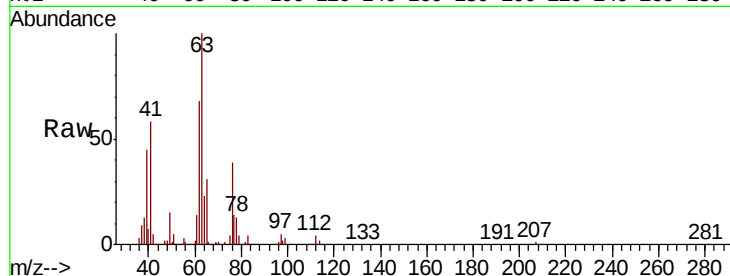




#45
 1,2-Dichloropropane
 Concen: 103.726 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

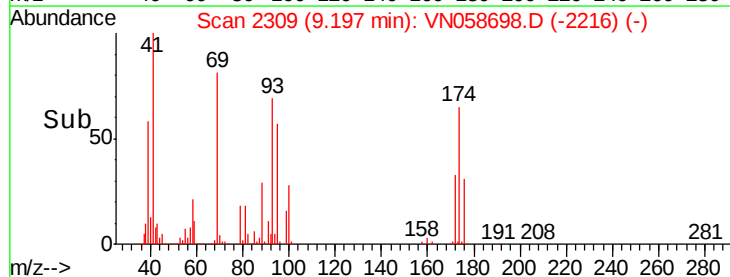
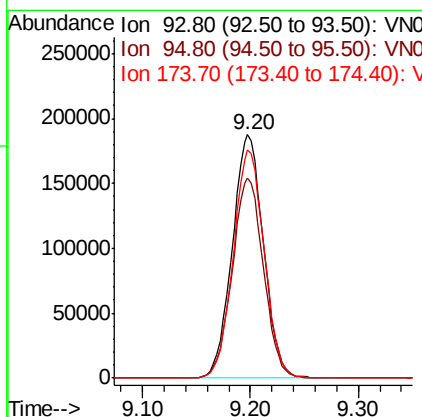
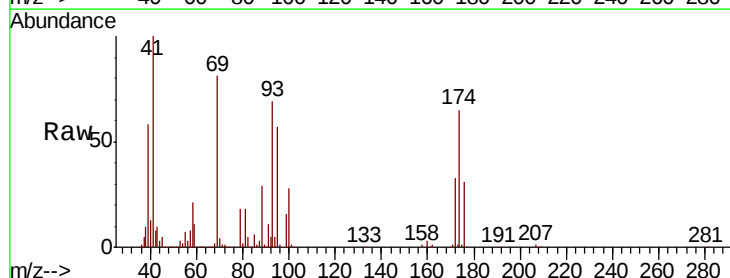
Instrument :
 MSVOA_N
 ClientSampleId :

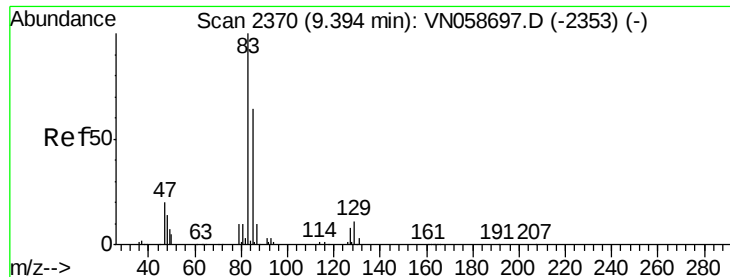
Tot Ion: 63 Resp: 594085
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.1 36.1



#46
 Dibromomethane
 Concen: 103.749 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion: 93 Resp: 377130
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.6 100.0
 174 93.2 75.2 112.8





#47

Bromodichloromethane

Concen: 112.805 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampled :

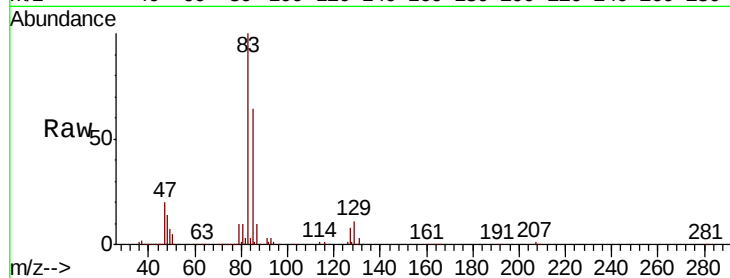
Tot Ion: 83 Resp: 783070

Ion Ratio Lower Upper

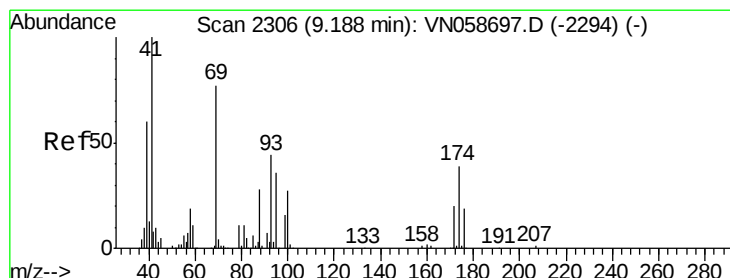
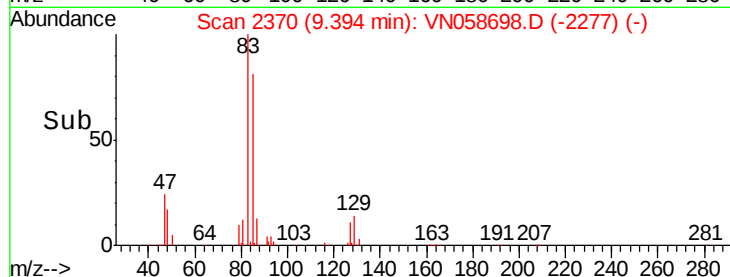
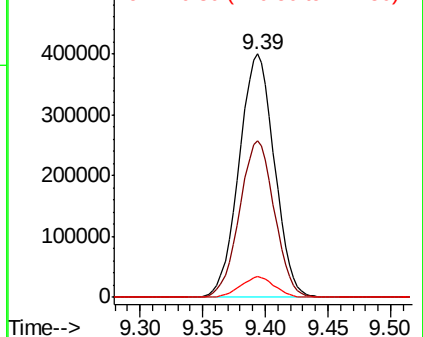
83 100

85 64.3 50.9 76.3

127 8.4 6.3 9.5



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



#48

Methyl methacrylate

Concen: 116.209 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

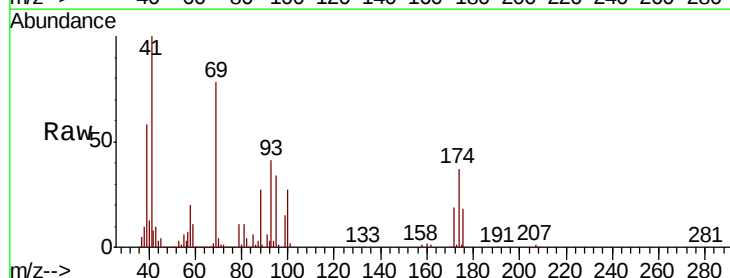
Tgt Ion: 41 Resp: 637375

Ion Ratio Lower Upper

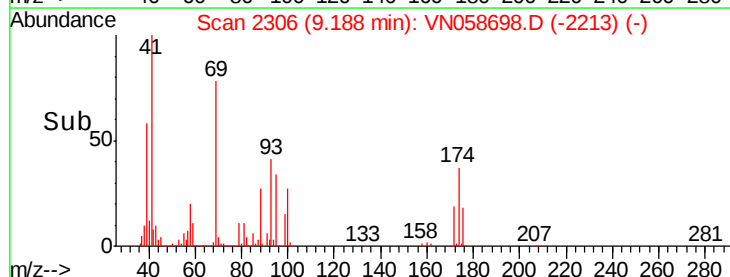
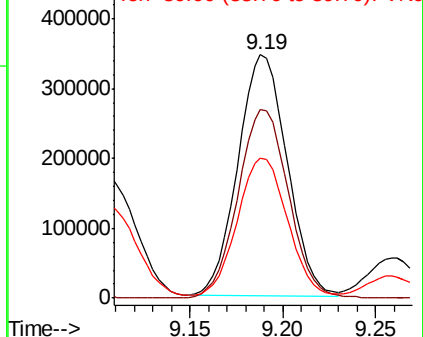
41 100

69 80.4 63.4 95.2

39 59.8 48.9 73.3



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

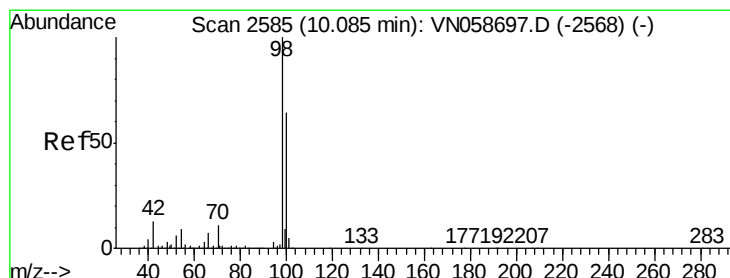
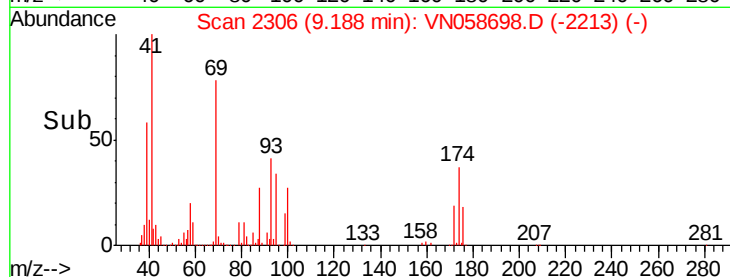
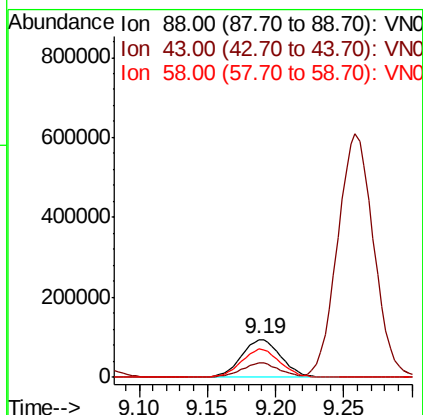
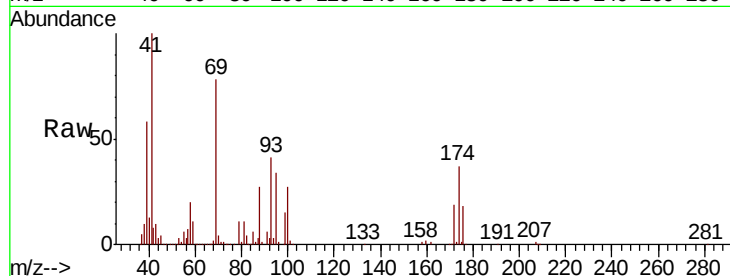




#49
1,4-Dioxane
Concen: 2572.412 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

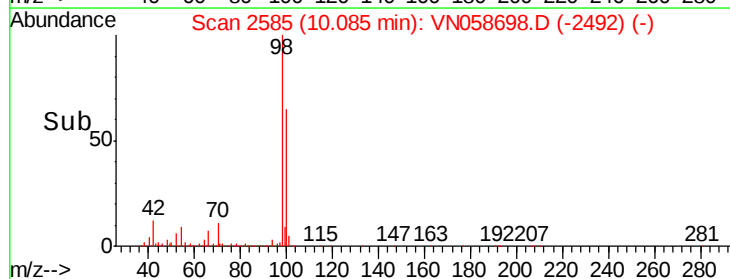
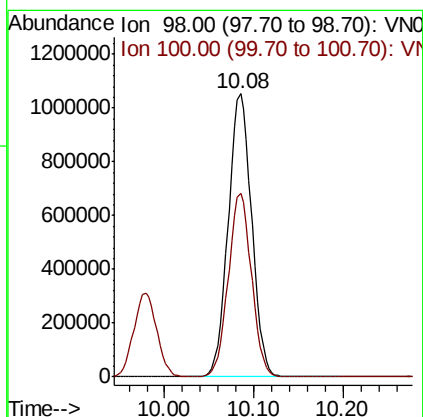
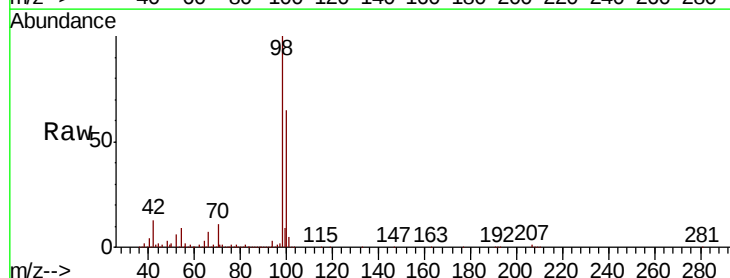
Instrument :
MSVOA_N
ClientSampled :

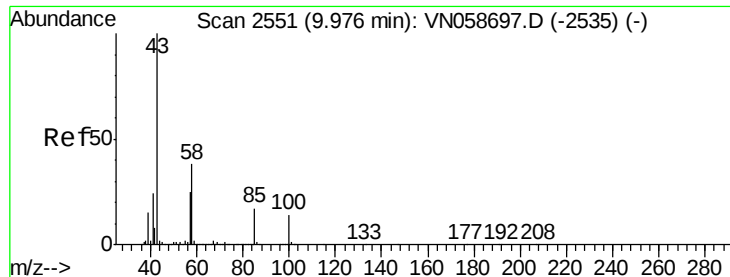
Tot Ion: 88 Resp: 191927
Ion Ratio Lower Upper
88 100
43 36.4 28.6 43.0
58 73.3 57.2 85.8



#50
Toluene-d8
Concen: 103.148 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 98 Resp: 1914104
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 607.070 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

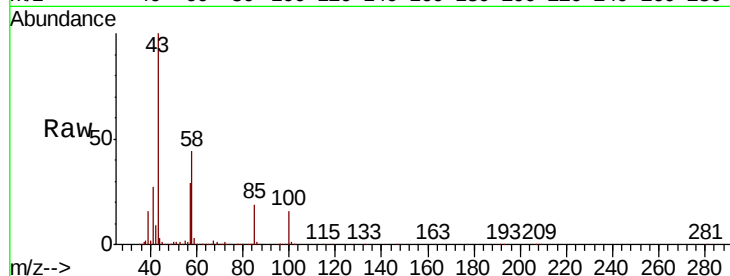
ClientSampled :

Tot Ion: 43 Resp: 3837964

Ion Ratio Lower Upper

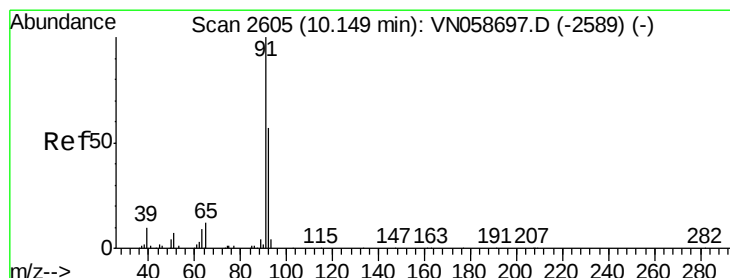
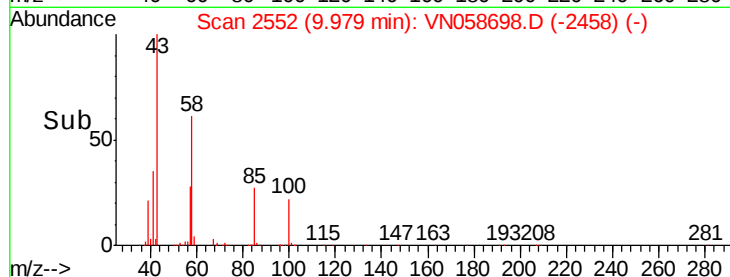
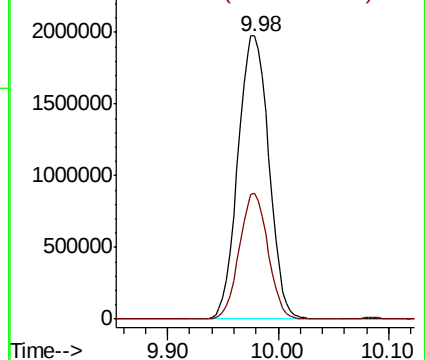
43 100

58 41.3 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D

Ion 58.00 (57.70 to 58.70): VN058697.D



#52

Toluene

Concen: 102.859 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058698.D

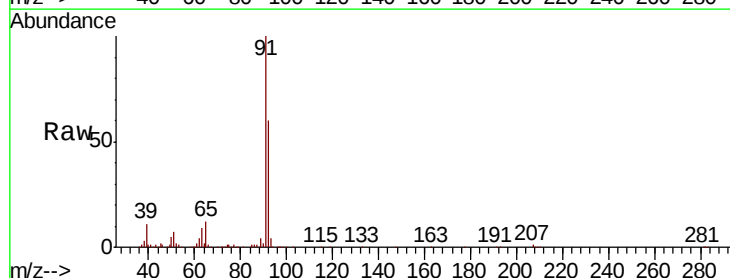
Acq: 11 Oct 2019 12:58

Tgt Ion: 92 Resp: 1383751

Ion Ratio Lower Upper

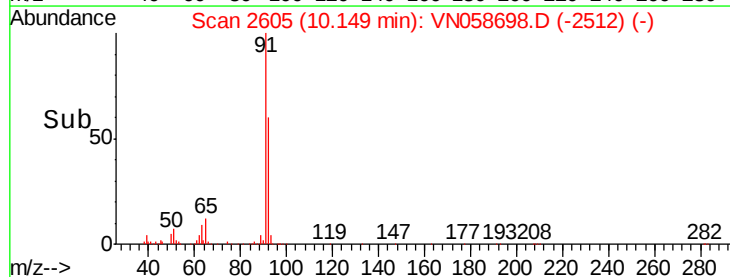
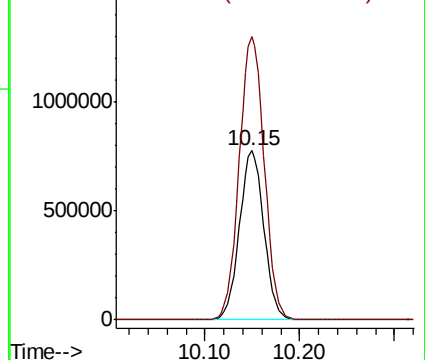
92 100

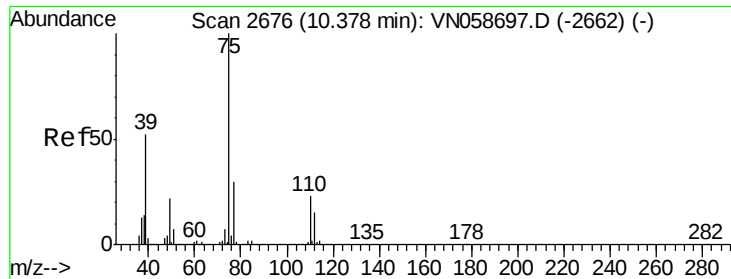
91 171.5 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D

Ion 91.00 (90.70 to 91.70): VN058697.D





#53

t-1,3-Dichloropropene

Concen: 123.033 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

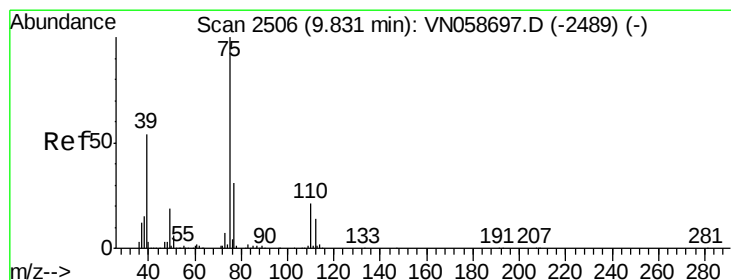
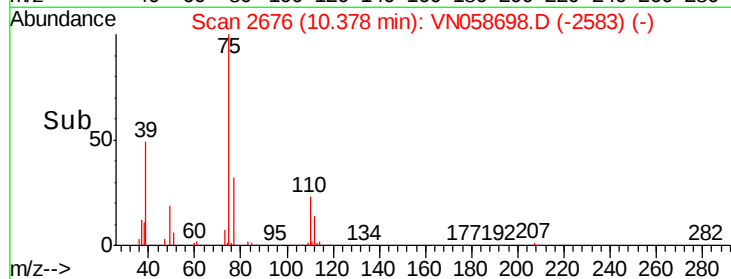
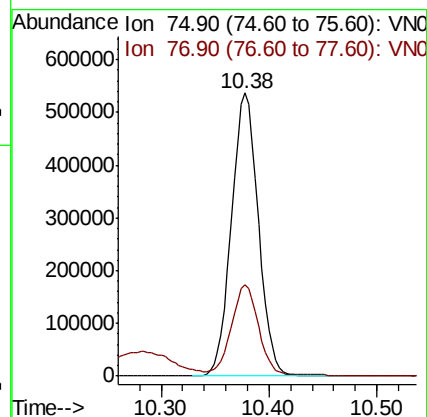
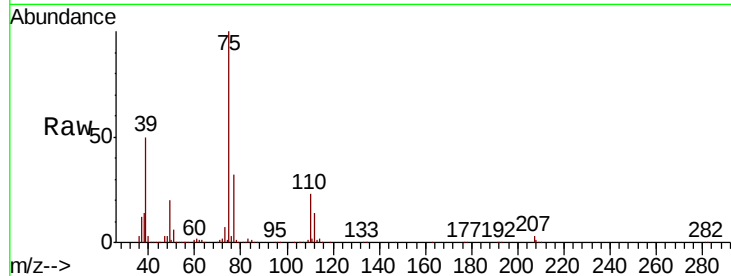
ClientSampleId :

Tot Ion: 75 Resp: 932373

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 117.460 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

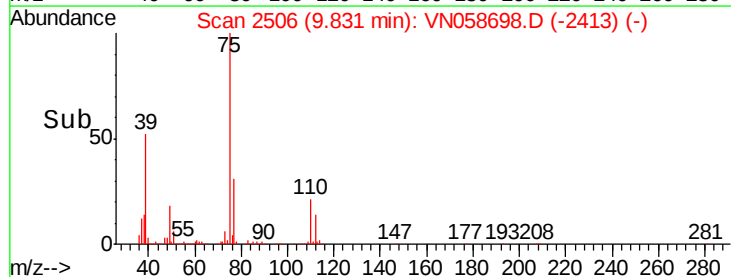
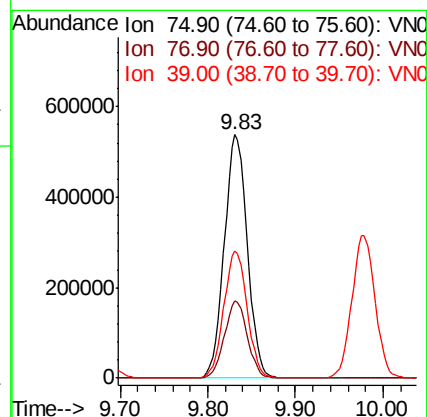
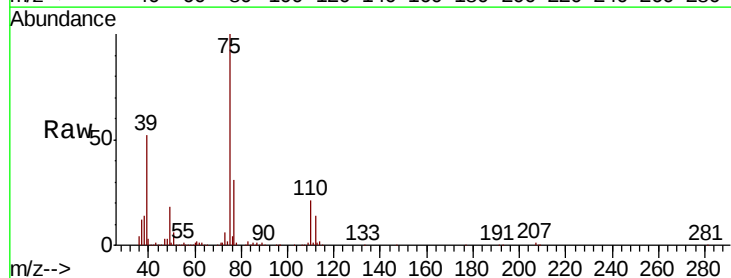
Tgt Ion: 75 Resp: 982177

Ion Ratio Lower Upper

75 100

77 31.5 24.4 36.6

39 52.3 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 108.517 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

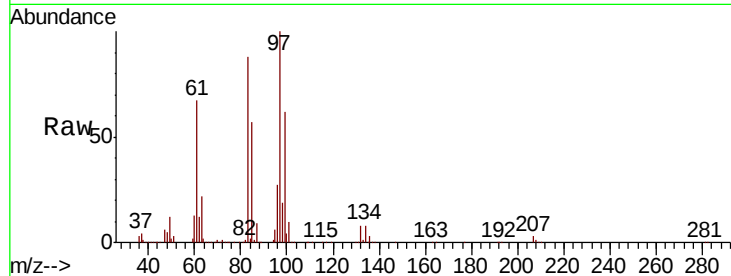
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 533312

Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.2	106.8
85	56.7	46.7	70.1
99	61.7	49.0	73.6



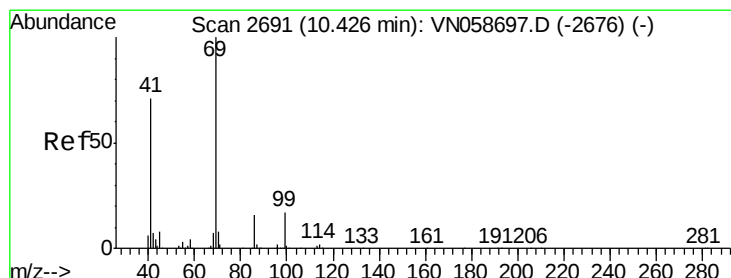
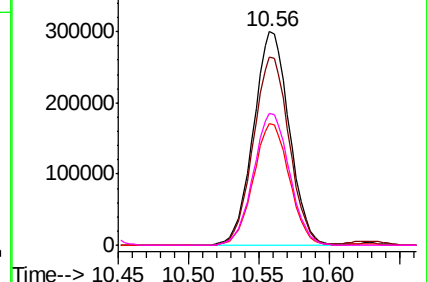
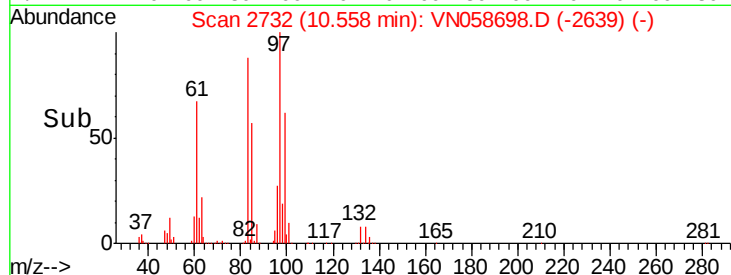
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 121.656 ug/l

RT: 10.43 min Scan# 2691

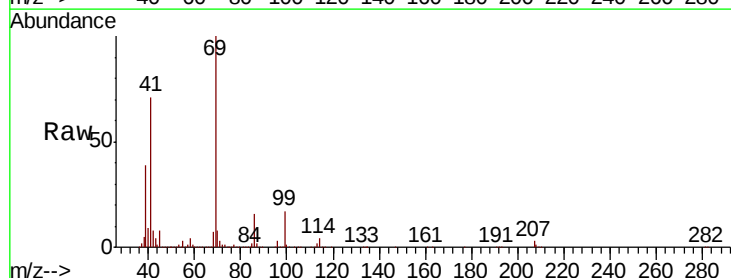
Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Tgt Ion: 69 Resp: 913688

Ion	Ratio	Lower	Upper
69	100		
41	69.6	56.8	85.2
39	38.0	32.5	48.7

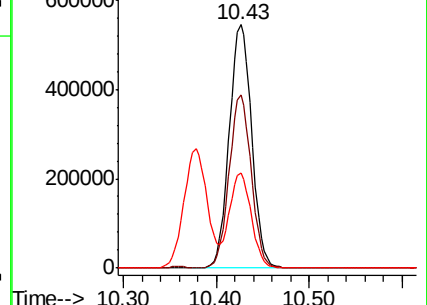
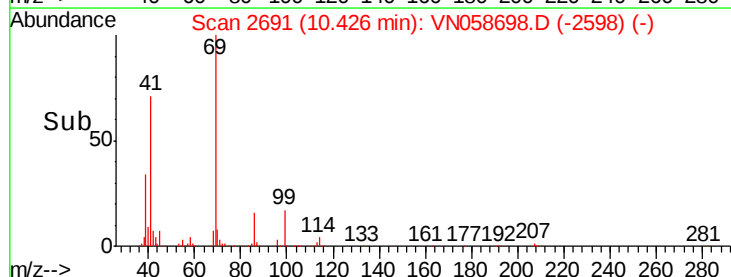


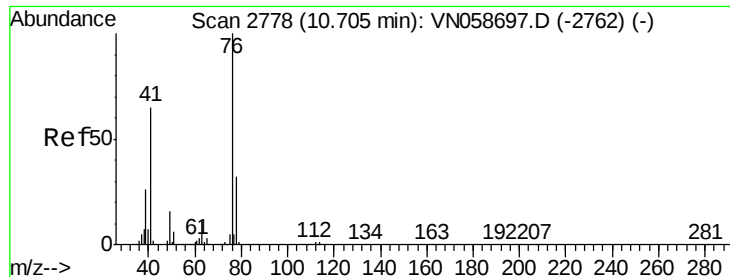
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 109.173 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

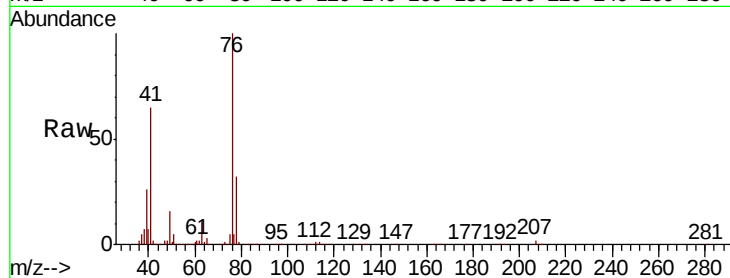
ClientSampleId :

Tot Ion: 76 Resp: 957596

Ion Ratio Lower Upper

76 100

78 31.8 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

600000

500000

400000

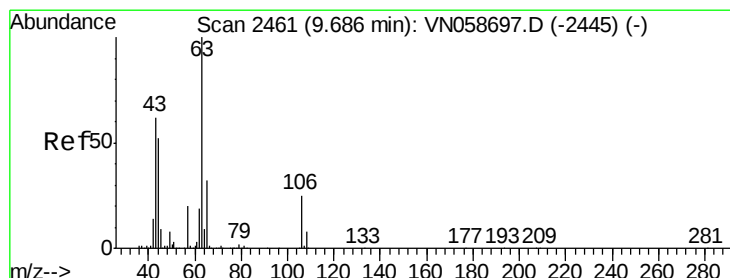
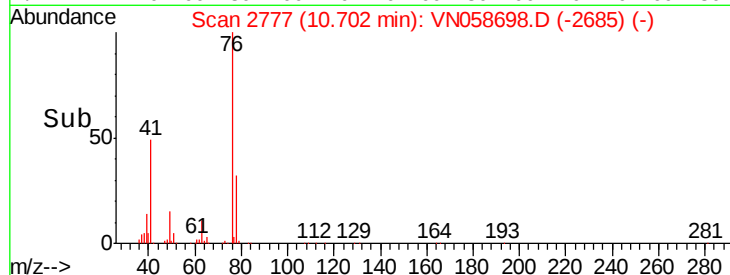
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 693.439 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058698.D

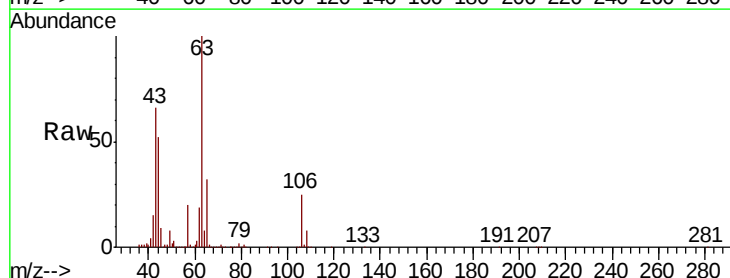
Acq: 11 Oct 2019 12:58

Tgt Ion: 63 Resp: 2155084

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

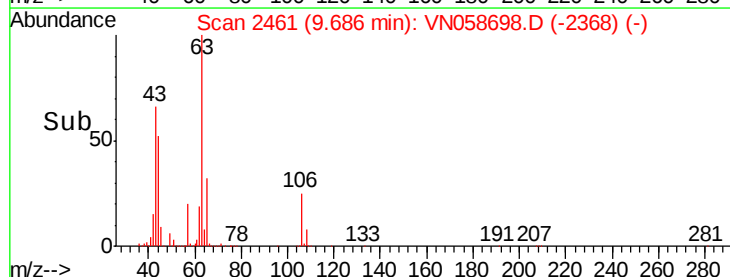
9.69

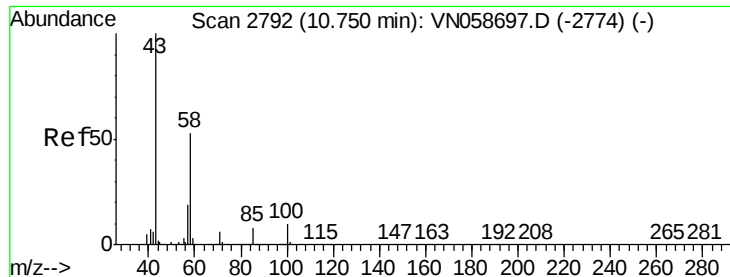
1000000

500000

0

Time-->

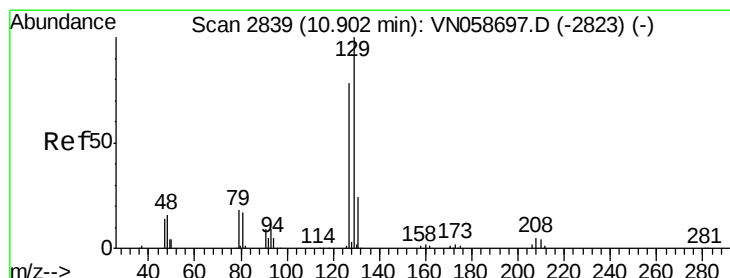
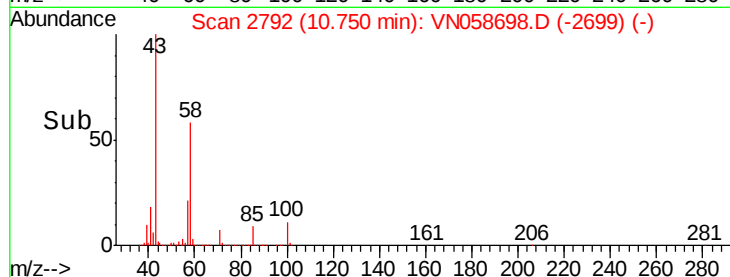
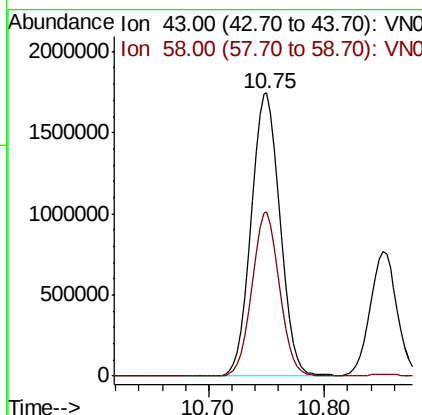
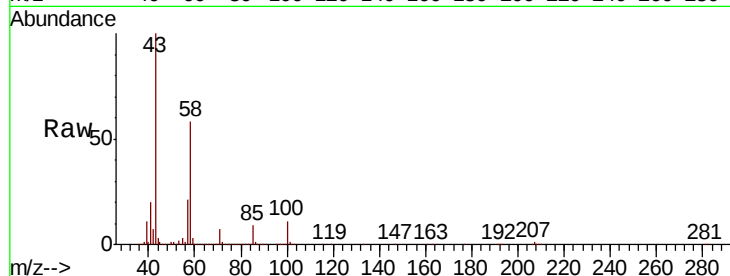




#59
2-Hexanone
Concen: 652.449 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

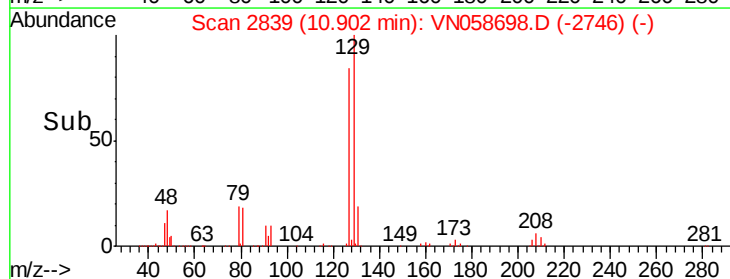
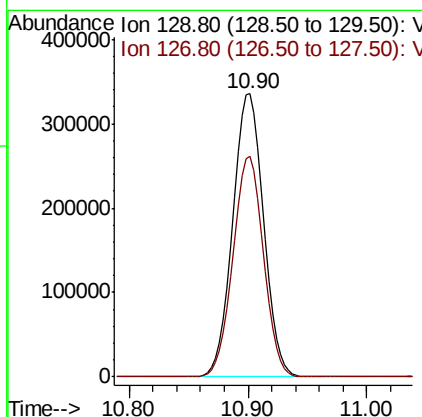
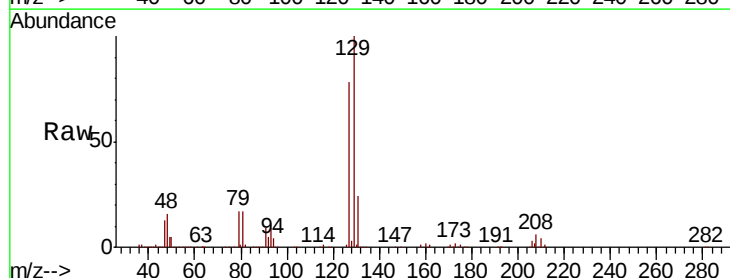
Instrument :
MSVOA_N
ClientSampled :

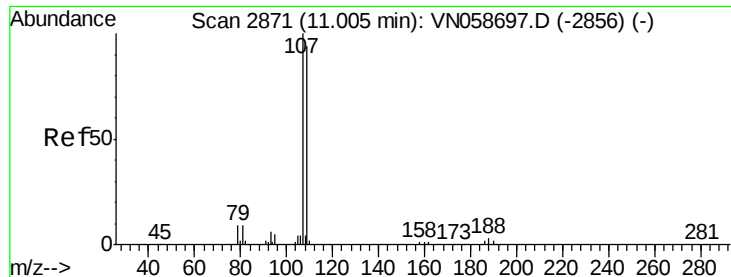
Tot Ion: 43 Resp: 3037252
Ion Ratio Lower Upper
43 100
58 55.4 26.1 78.3



#60
Dibromochloromethane
Concen: 127.135 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 129 Resp: 603379
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3

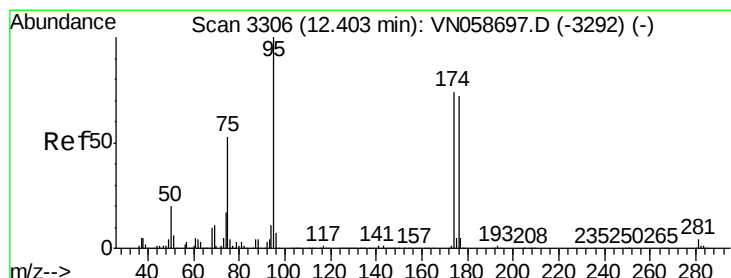
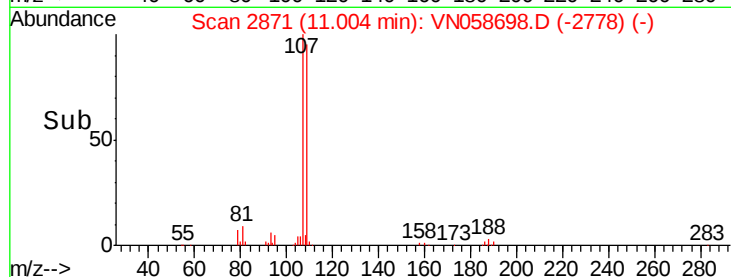
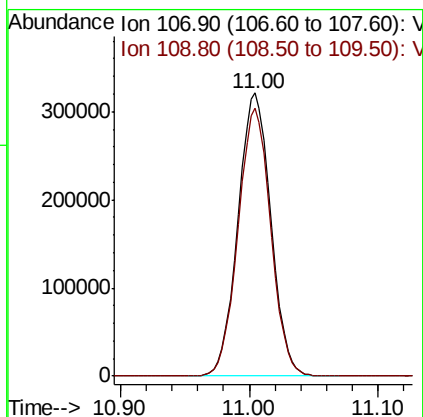
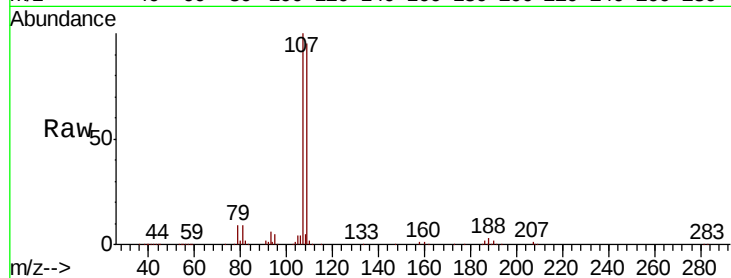




#61
 1,2-Dibromoethane
 Concen: 112.862 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

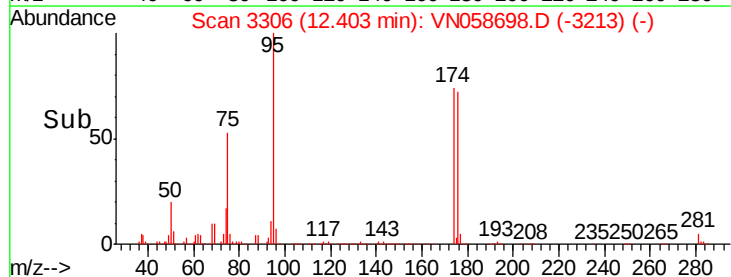
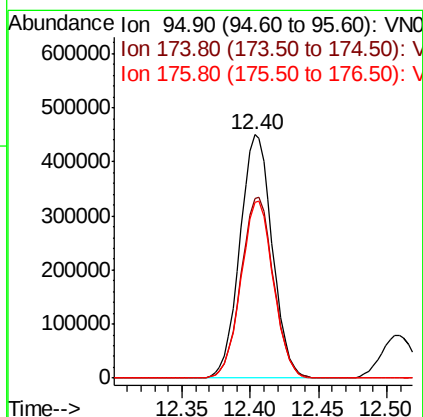
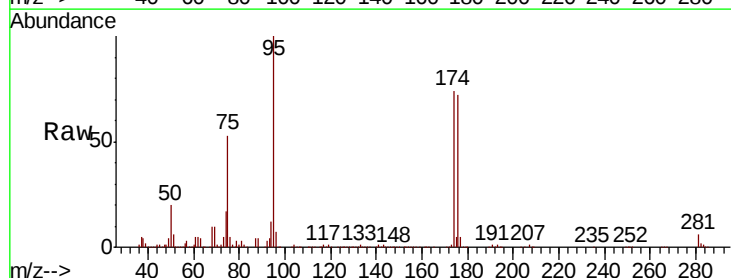
Instrument :
 MSVOA_N
 ClientSampleId :

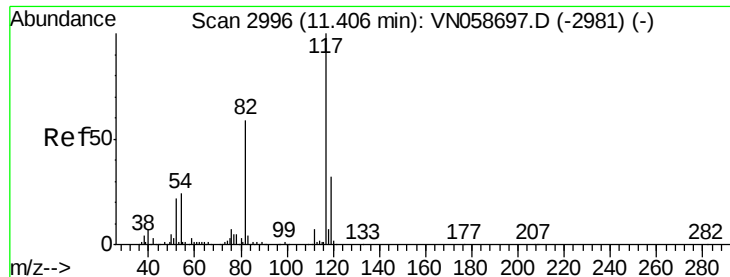
Tot Ion: 107 Resp: 569061
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 109.331 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion: 95 Resp: 741485
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 150.4
 176 72.8 0.0 146.8

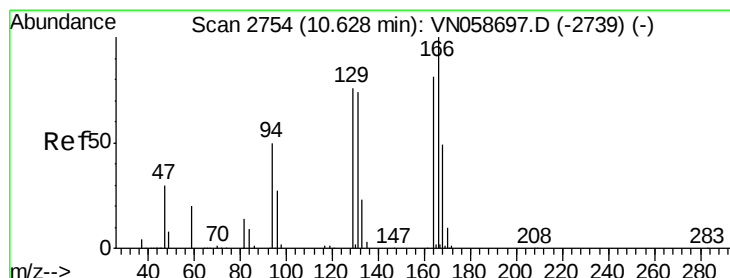
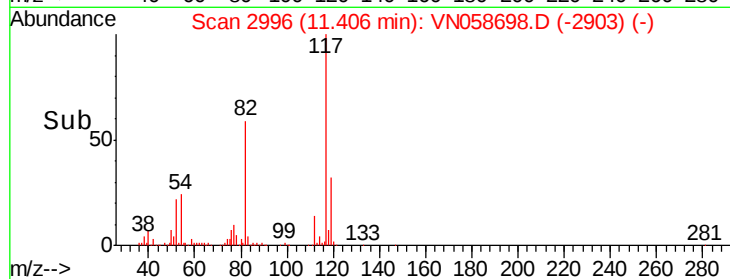
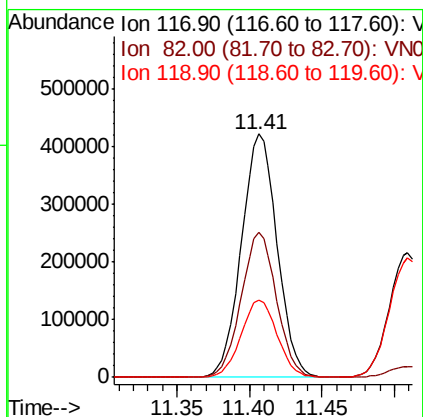
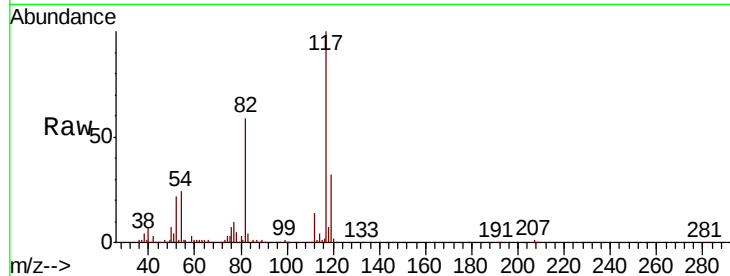




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

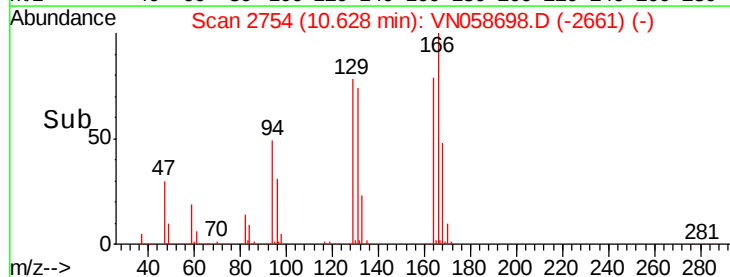
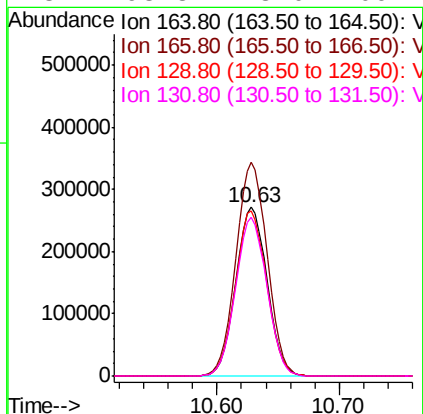
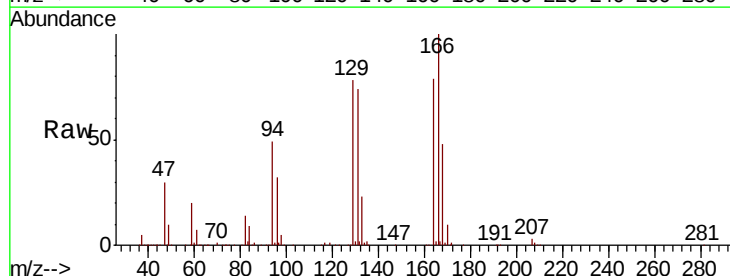
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 723401
Ion Ratio Lower Upper
117 100
82 59.4 47.0 70.4
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 103.313 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion:164 Resp: 480744
Ion Ratio Lower Upper
164 100
166 126.6 99.3 148.9
129 98.1 75.2 112.8
131 93.8 73.0 109.4





#65

Chlorobenzene

Concen: 101.332 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

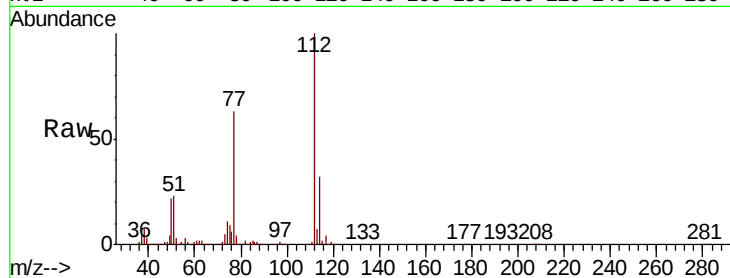
ClientSampleId :

Tot Ion:112 Resp: 1458341

Ion Ratio Lower Upper

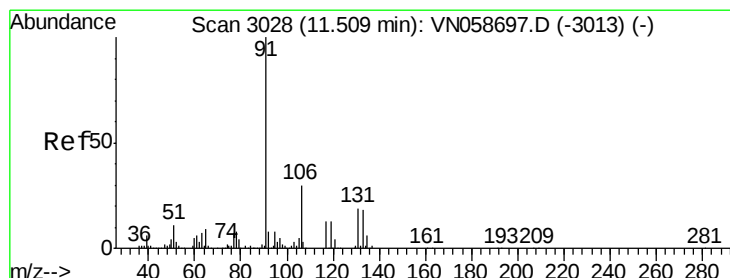
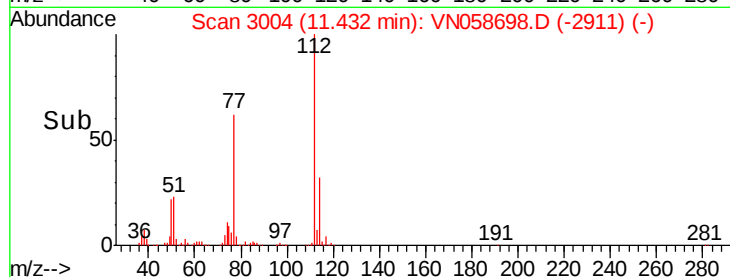
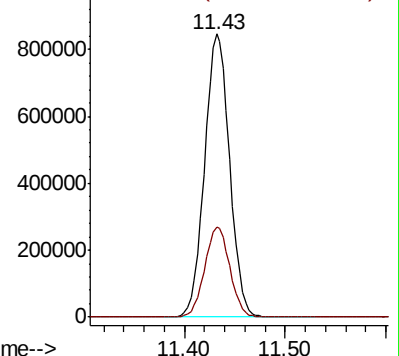
112 100

114 32.0 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 110.880 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

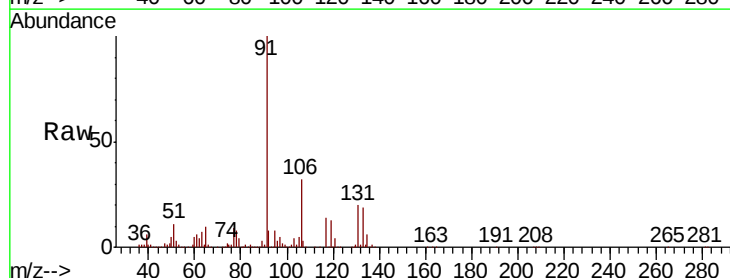
Tgt Ion:131 Resp: 543215

Ion Ratio Lower Upper

131 100

133 96.0 47.6 142.9

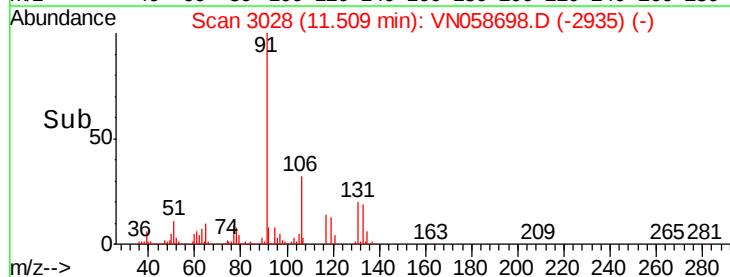
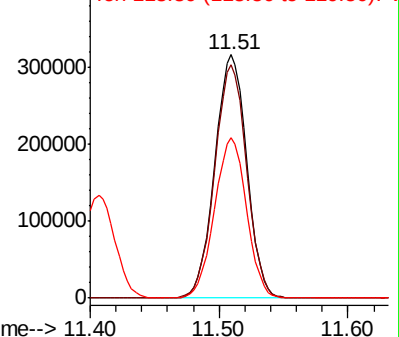
119 66.2 33.0 98.9

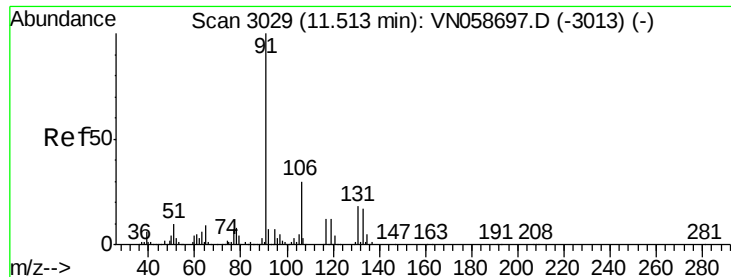


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 101.311 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

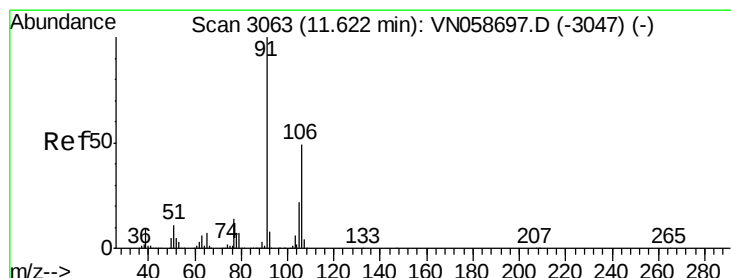
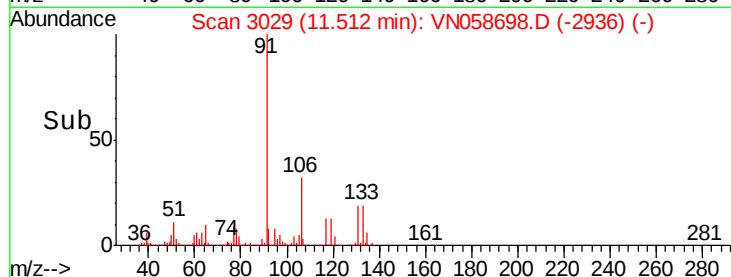
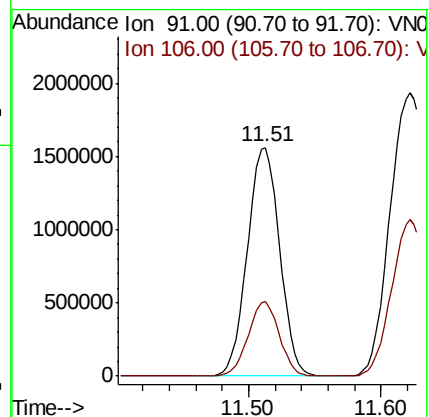
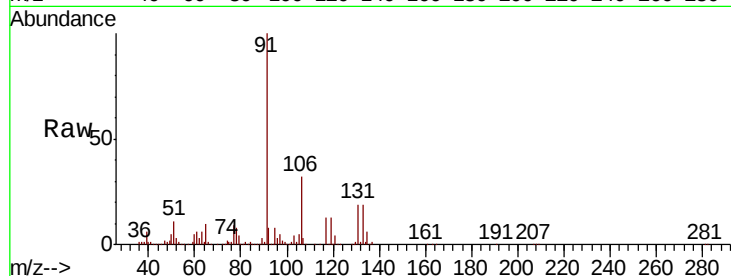
ClientSampled :

Tot Ion: 91 Resp: 2645104

Ion Ratio Lower Upper

91 100

106 32.5 24.1 36.1



#68

m/p-Xylenes

Concen: 207.410 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058698.D

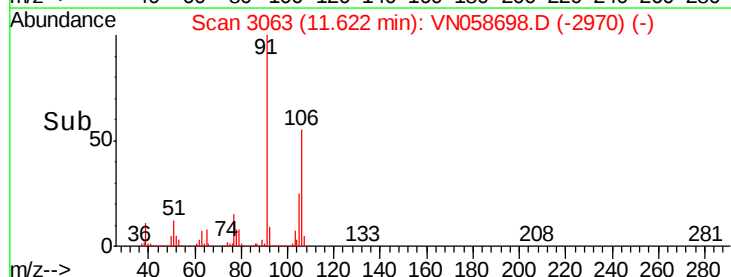
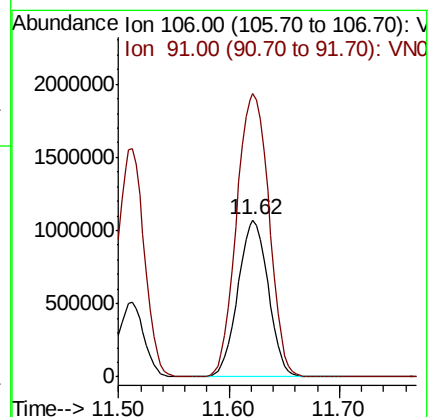
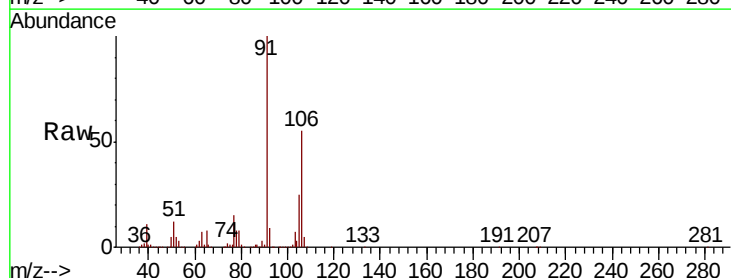
Acq: 11 Oct 2019 12:58

Tgt Ion:106 Resp: 2037604

Ion Ratio Lower Upper

106 100

91 193.2 165.7 248.5

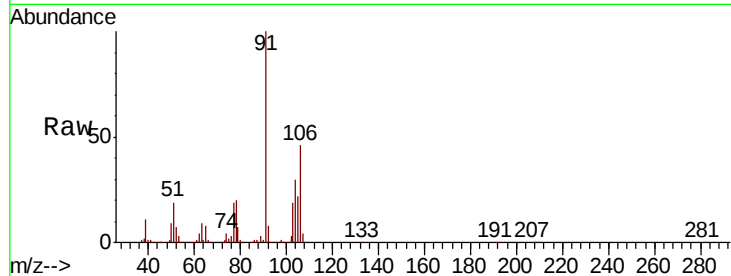




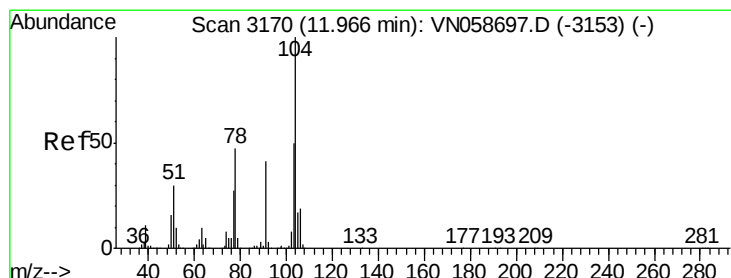
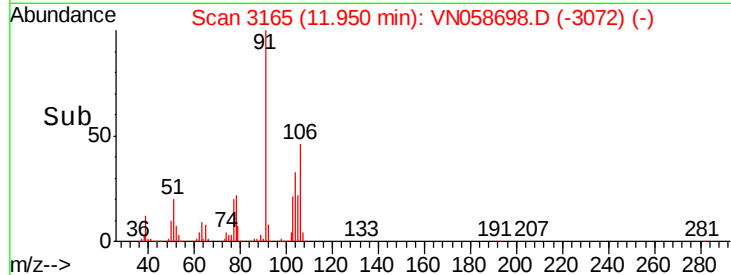
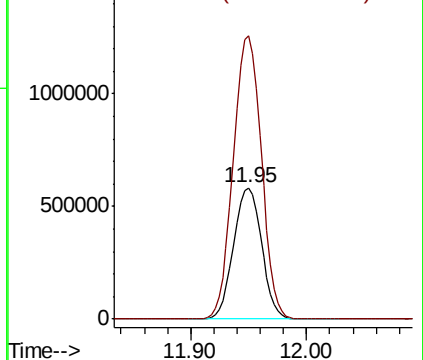
#69
o-Xylene
Concen: 103.537 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 976368
Ion Ratio Lower Upper
106 100
91 216.5 110.9 332.9

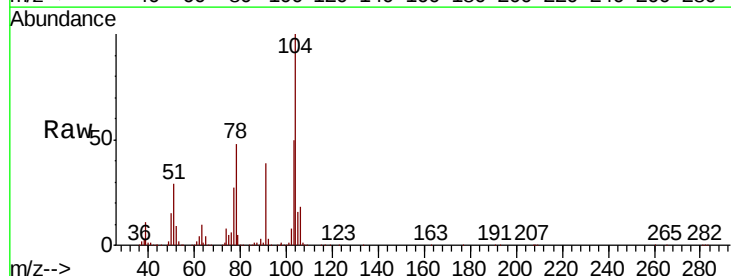


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

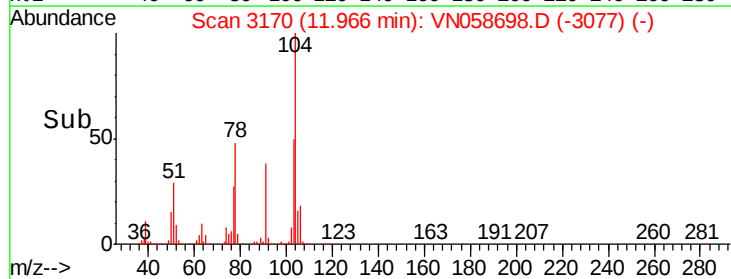
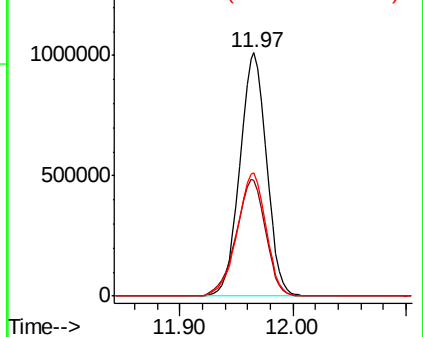


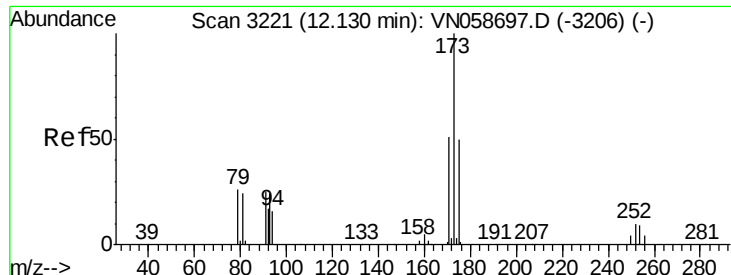
#70
Styrene
Concen: 108.731 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion:104 Resp: 1665873
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.2
103 54.6 43.7 65.5



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

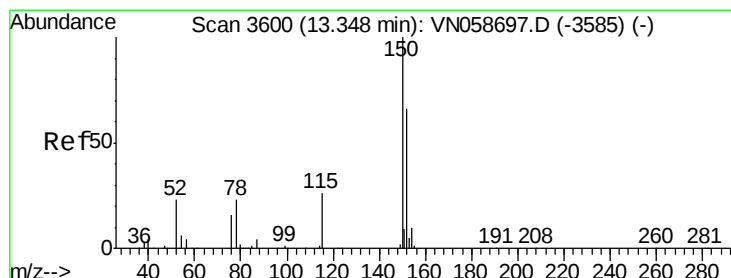
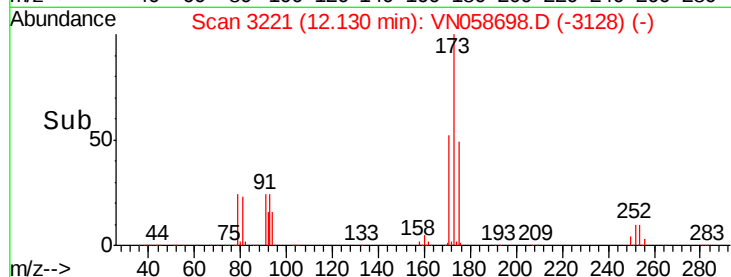
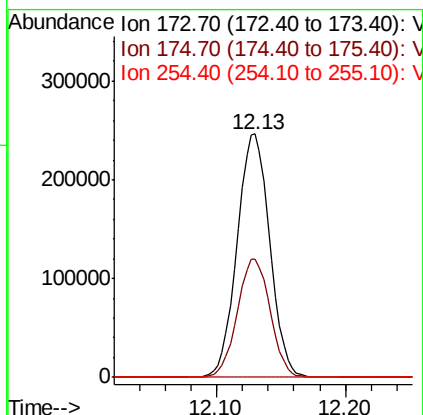
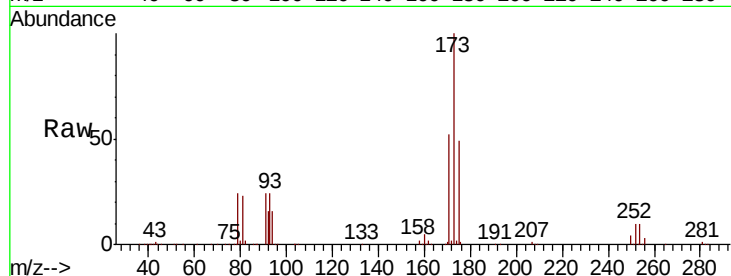




#71
Bromoform
Concen: 138.189 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

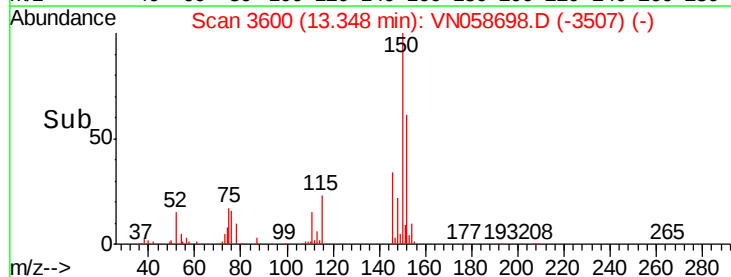
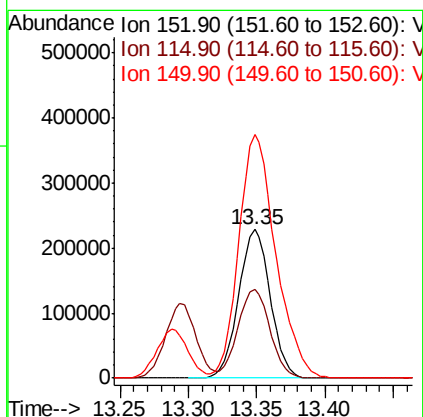
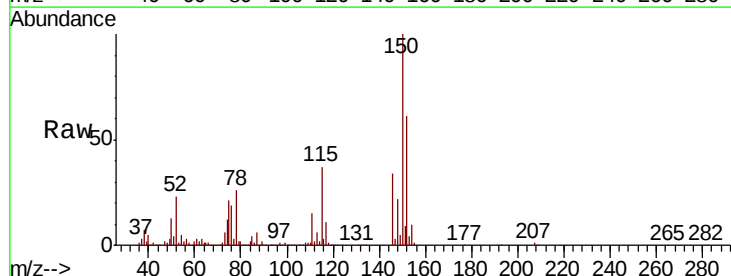
Instrument :
MSVOA_N
ClientSampleId :

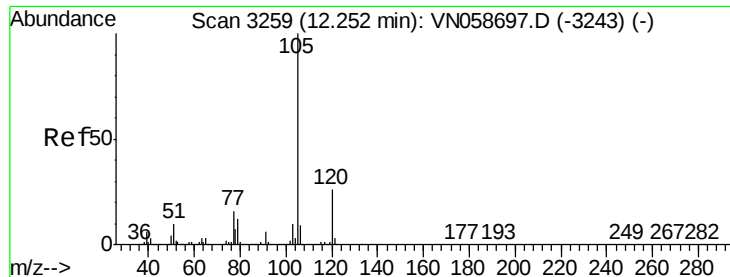
Tot Ion:173 Resp: 432995
Ion Ratio Lower Upper
173 100
175 49.0 24.6 73.8
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion:152 Resp: 368385
Ion Ratio Lower Upper
152 100
115 60.3 30.4 91.2
150 190.8 0.0 345.4





#73

Isopropylbenzene

Concen: 96.431 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

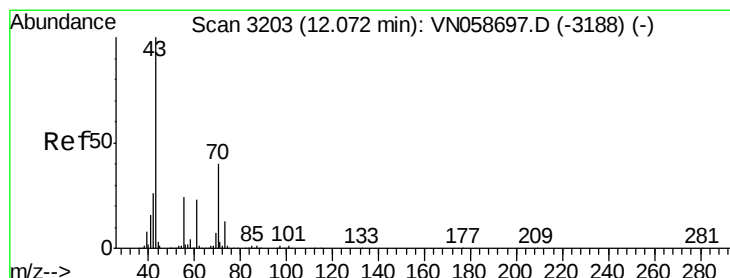
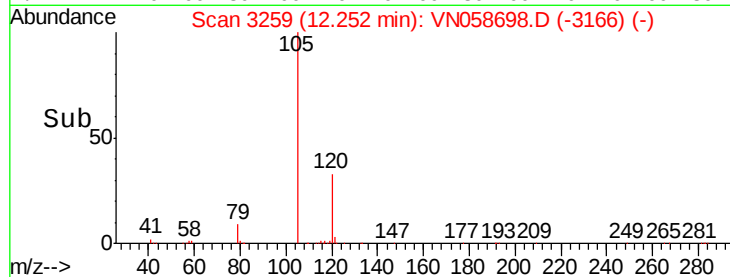
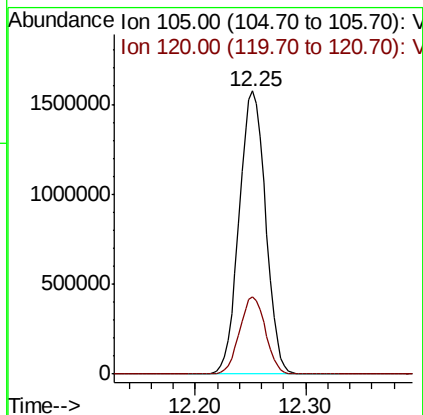
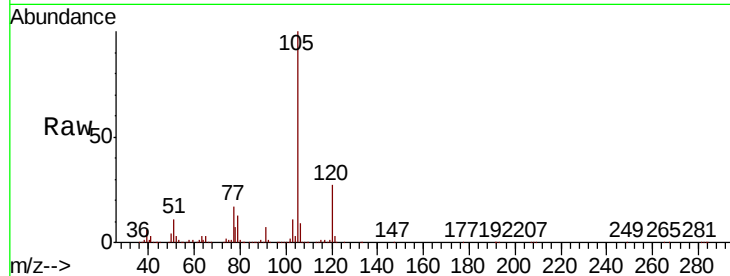
ClientSampled :

Tot Ion:105 Resp: 2612287

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.1



#74

N-ethyl acetate

Concen: 114.607 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Tgt Ion: 43 Resp: 1259572

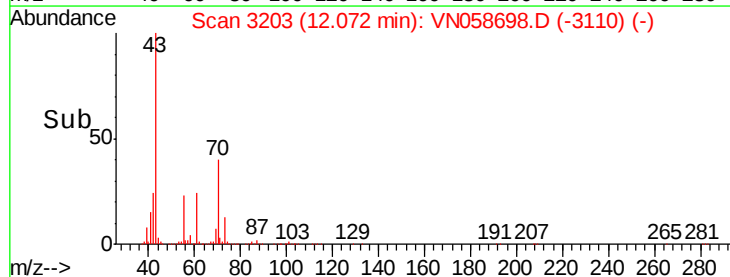
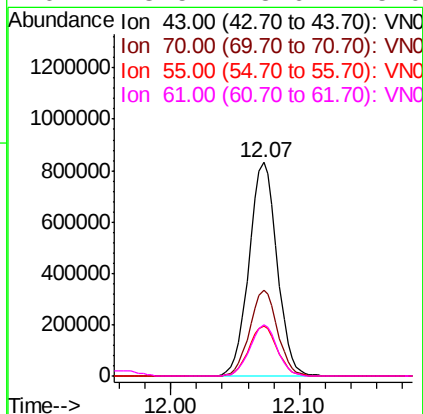
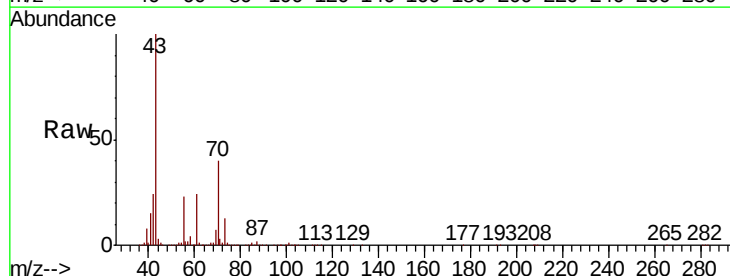
Ion Ratio Lower Upper

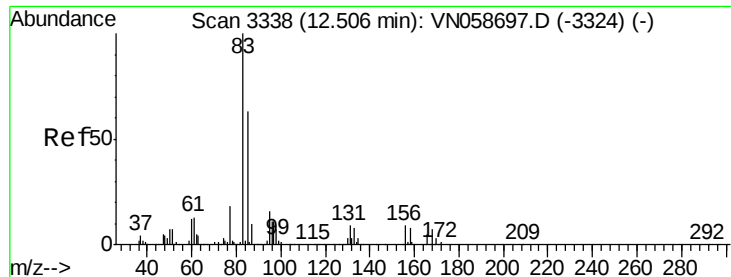
43 100

70 40.0 32.2 48.4

55 23.6 19.6 29.4

61 23.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 102.777 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

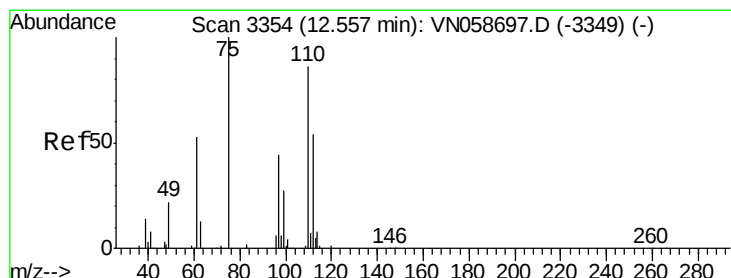
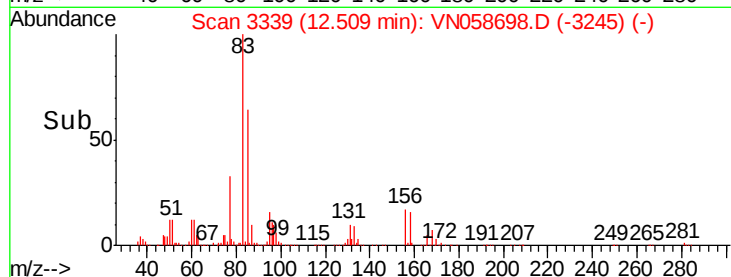
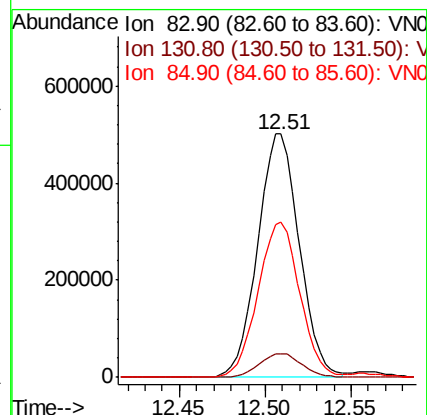
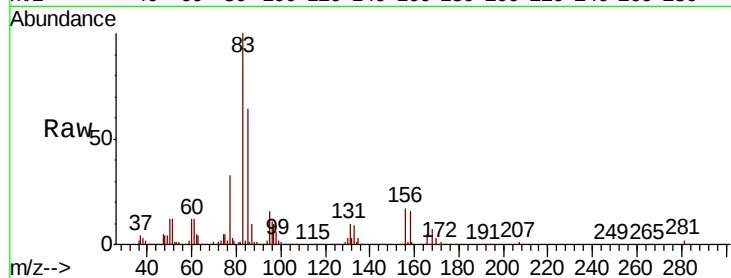
Tot Ion: 83 Resp: 838434

Ion Ratio Lower Upper

83 100

131 10.1 4.8 14.4

85 64.3 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 169.212 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058698.D

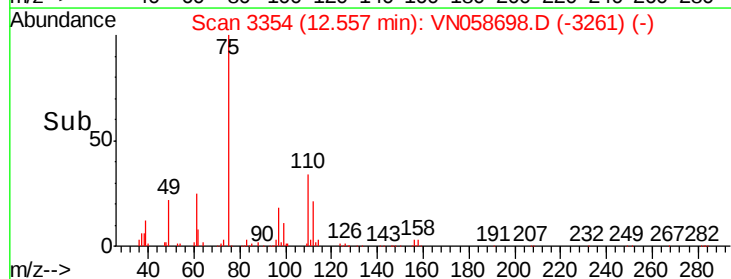
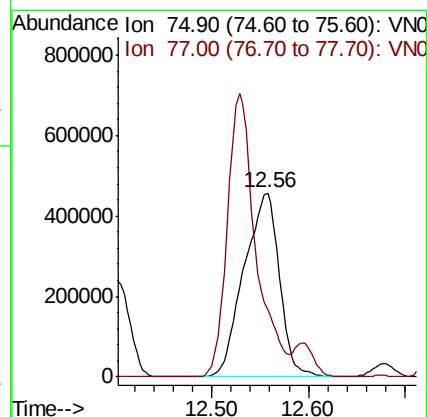
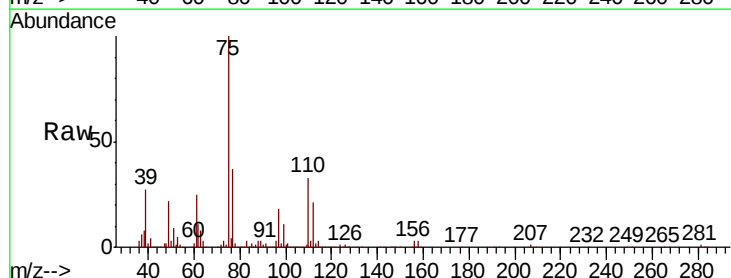
Acq: 11 Oct 2019 12:58

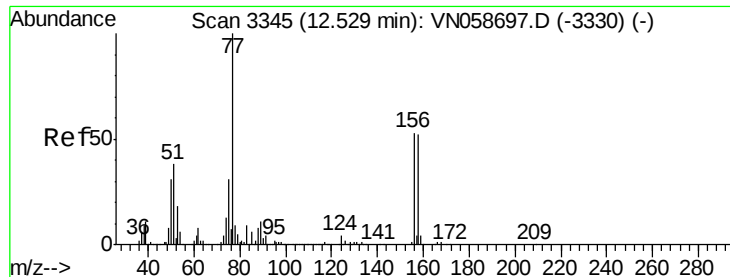
Tgt Ion: 75 Resp: 1160558

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 97.871 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

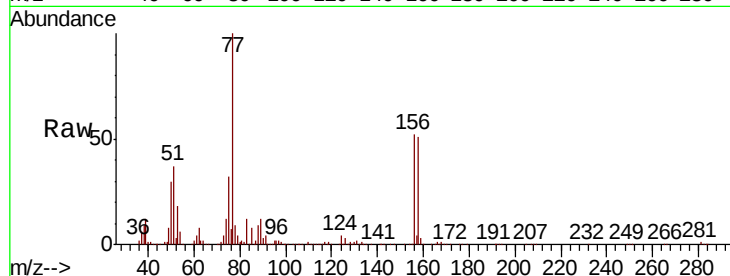
Tot Ion:156 Resp: 623678

Ion Ratio Lower Upper

156 100

77 231.8 115.8 347.3

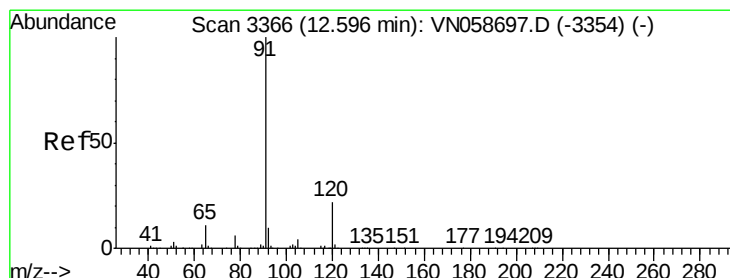
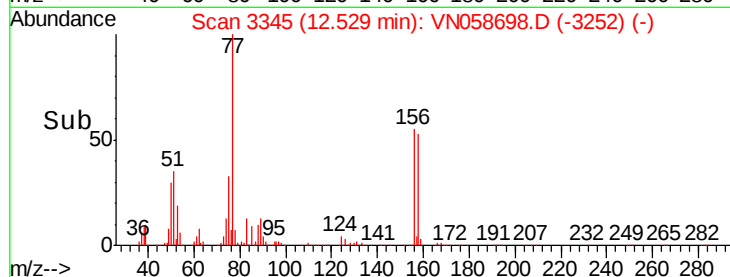
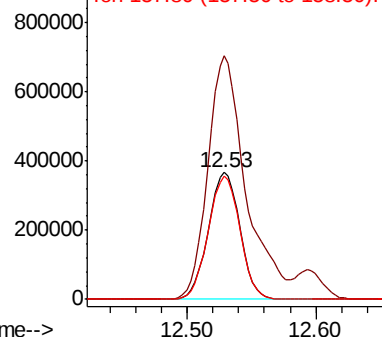
158 97.6 48.9 146.6



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: 99.366 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058698.D

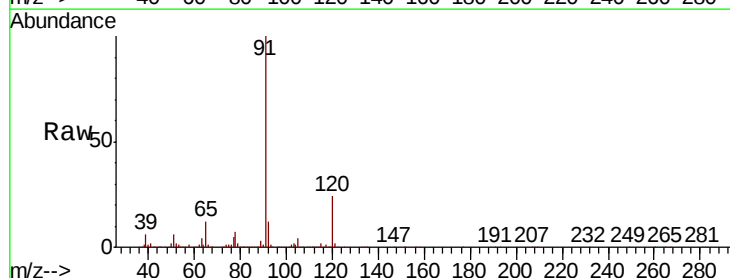
Acq: 11 Oct 2019 12:58

Tgt Ion: 91 Resp: 3045295

Ion Ratio Lower Upper

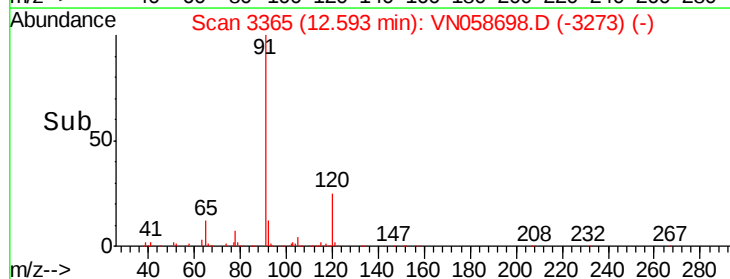
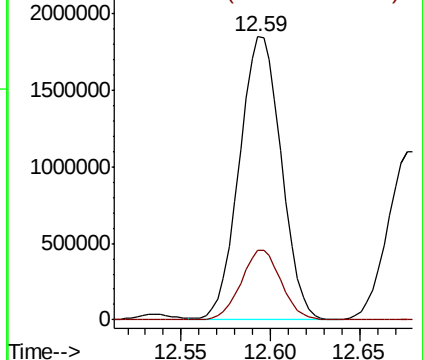
91 100

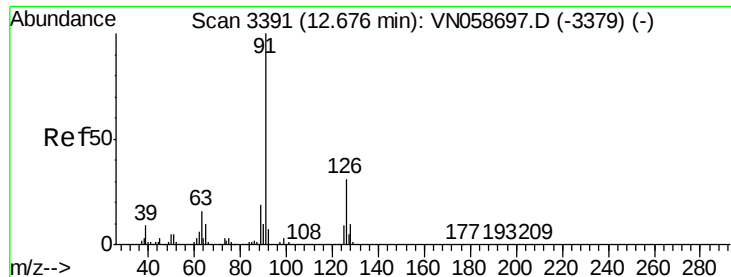
120 23.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 97.838 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

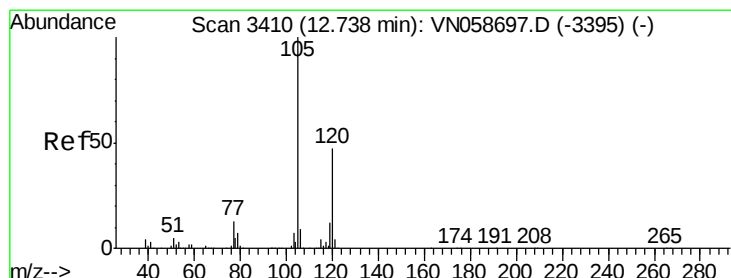
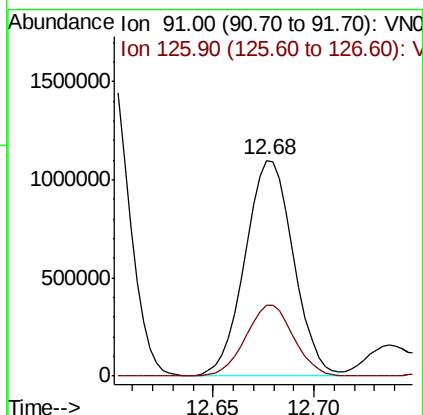
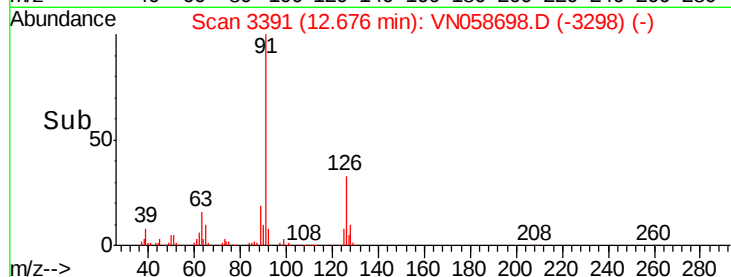
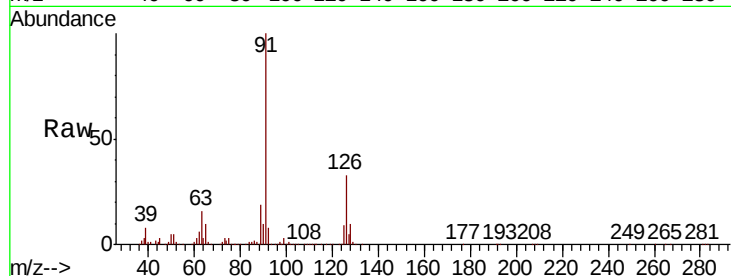
ClientSampleId :

Tot Ion: 91 Resp: 1849087

Ion Ratio Lower Upper

91 100

126 32.7 16.2 48.5



#80

1,3,5-Trimethylbenzene

Concen: 100.223 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058698.D

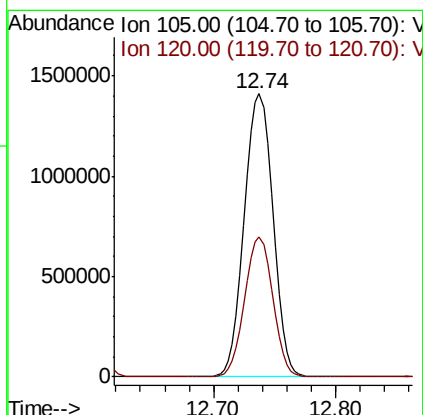
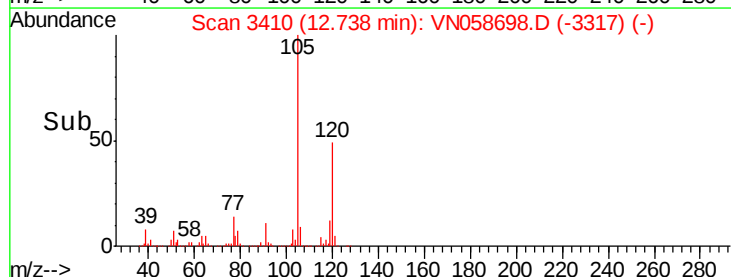
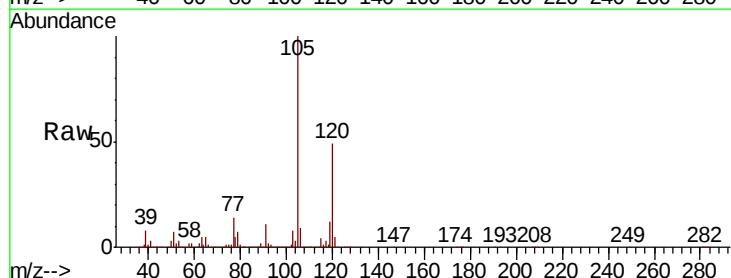
Acq: 11 Oct 2019 12:58

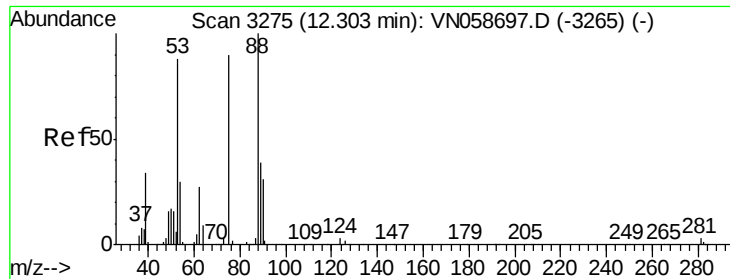
Tgt Ion:105 Resp: 2279589

Ion Ratio Lower Upper

105 100

120 48.4 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 134.150 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

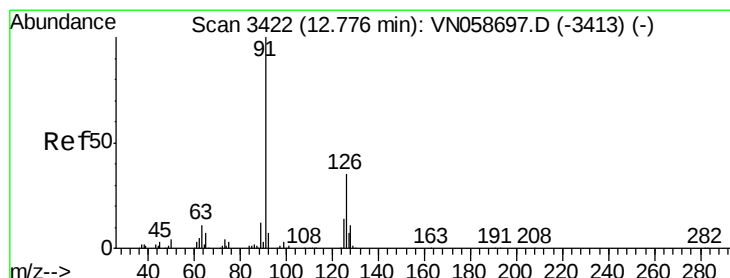
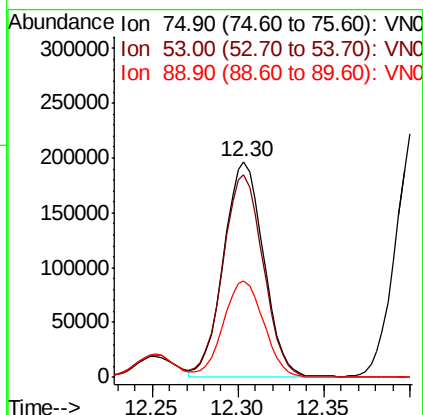
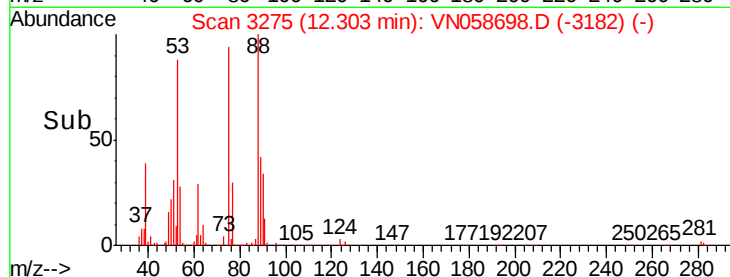
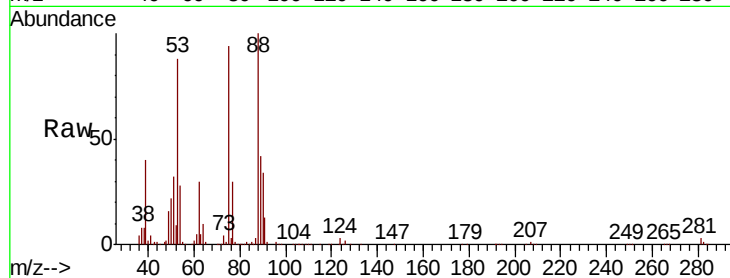
Tot Ion: 75 Resp: 315374

Ion Ratio Lower Upper

75 100

53 96.1 78.4 117.6

89 45.3 34.9 52.3



#82

4-Chlorotoluene

Concen: 100.452 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058698.D

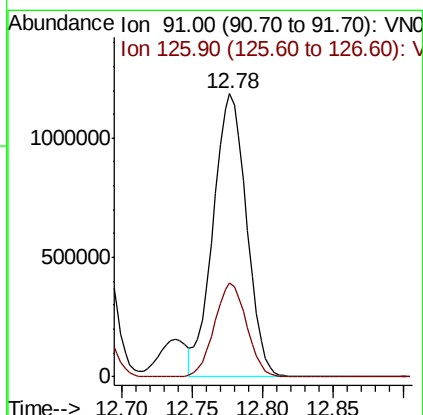
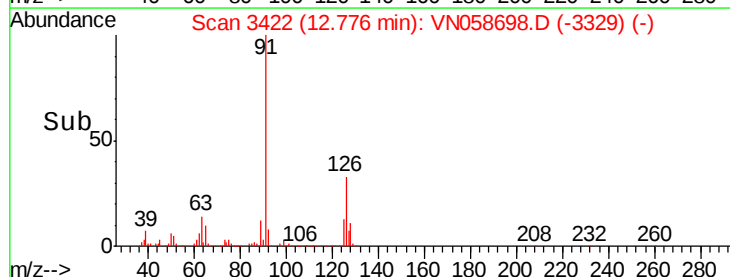
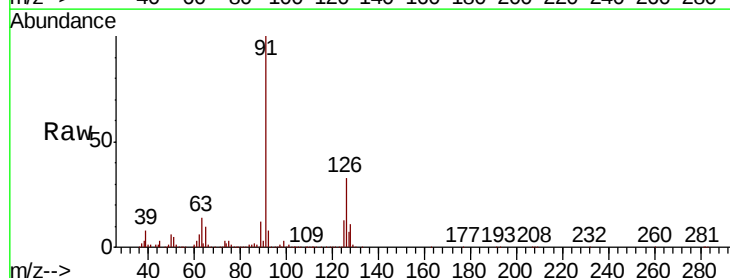
Acq: 11 Oct 2019 12:58

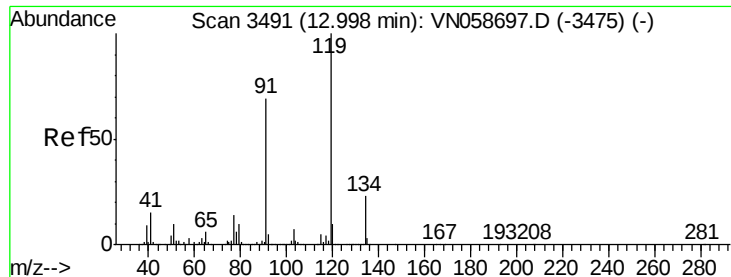
Tgt Ion: 91 Resp: 1942203

Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.6

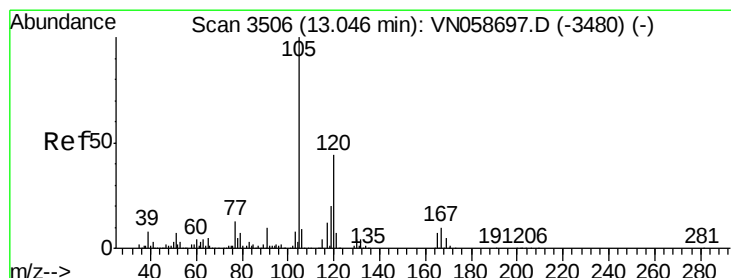
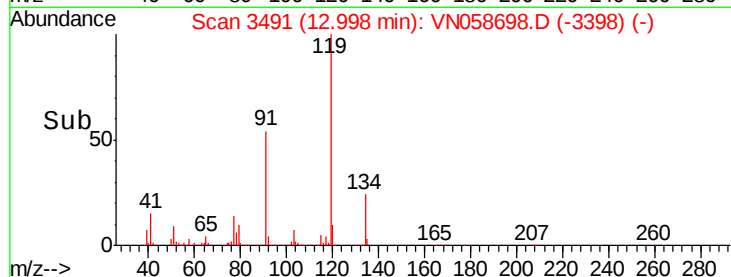
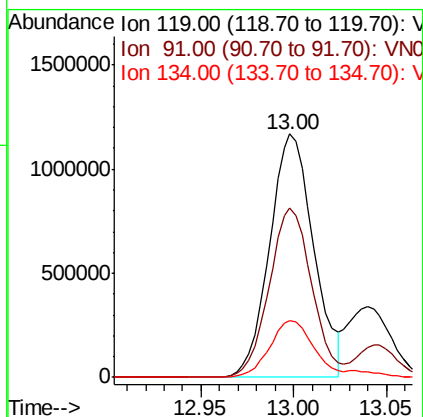
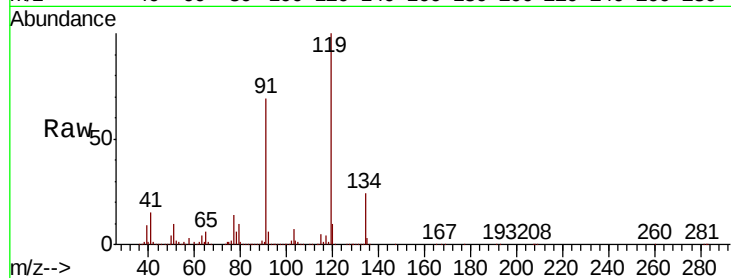




#83
tert-Butylbenzene
Concen: 101.027 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

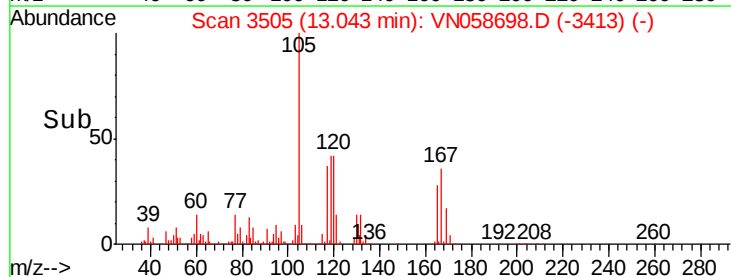
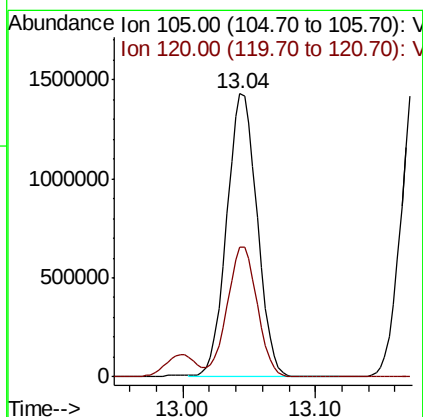
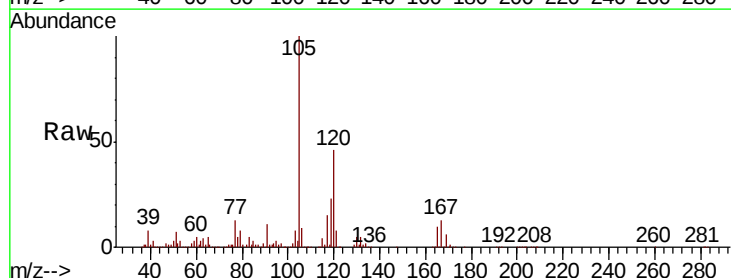
Instrument :
MSVOA_N
ClientSampleId :

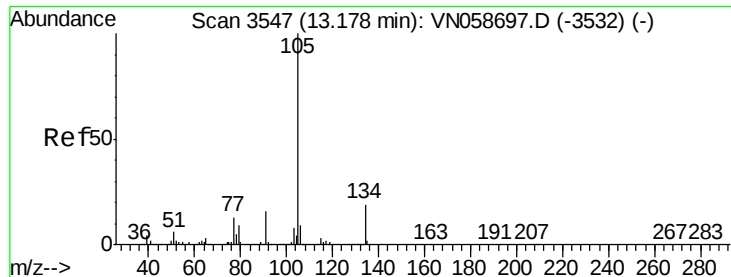
Tot Ion:119 Resp: 1939141
Ion Ratio Lower Upper
119 100
91 67.4 33.8 101.3
134 25.2 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 99.842 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion:105 Resp: 2275127
Ion Ratio Lower Upper
105 100
120 45.3 21.9 65.7





#85

sec-Butylbenzene

Concen: 101.929 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

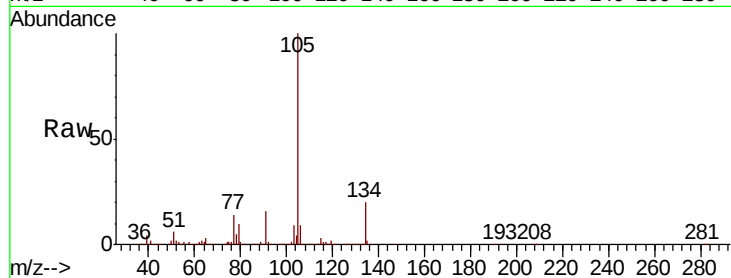
ClientSampled :

Tot Ion:105 Resp: 2583649

Ion Ratio Lower Upper

105 100

134 19.9 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

1500000

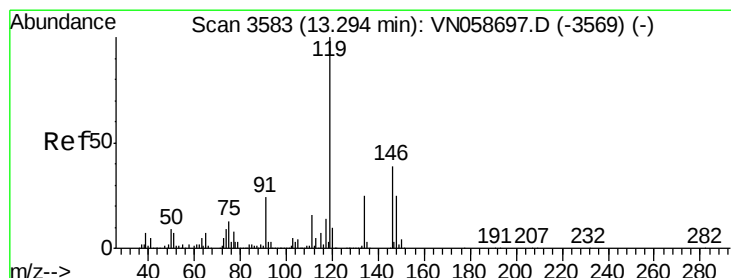
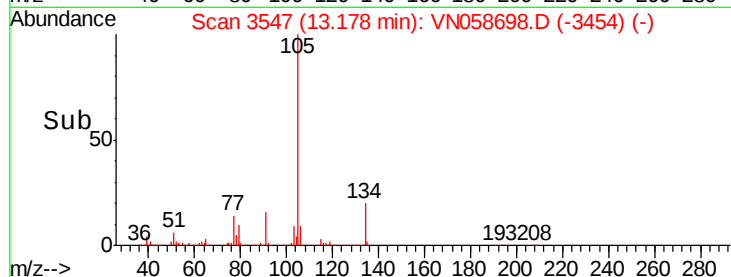
1000000

500000

0

Time-->

13.10 13.20



#86

p-Isopropyltoluene

Concen: 106.265 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

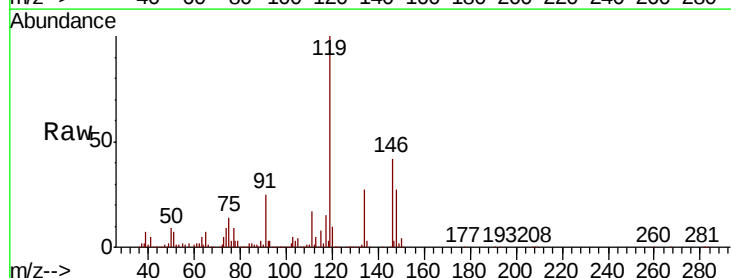
Tgt Ion:119 Resp: 2381614

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

91 24.7 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

2000000

1500000

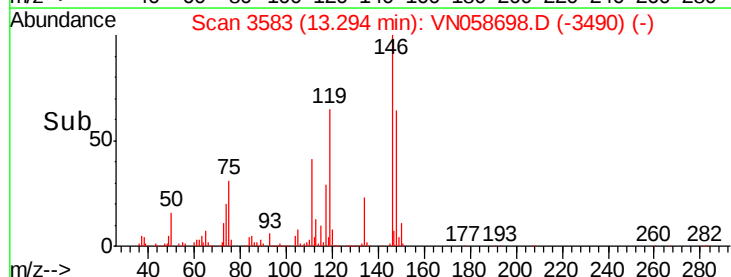
1000000

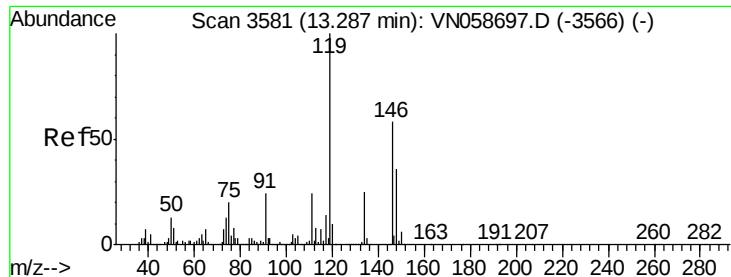
500000

0

Time-->

13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 100.587 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

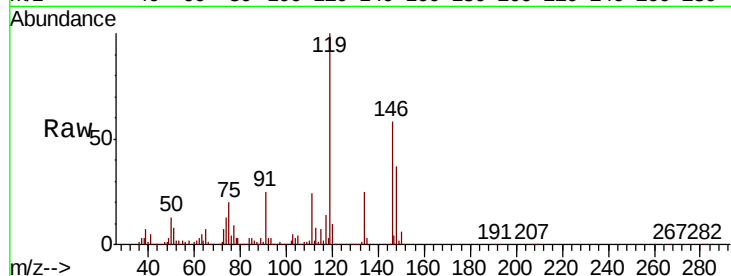
Tot Ion:146 Resp: 1166548

Ion Ratio Lower Upper

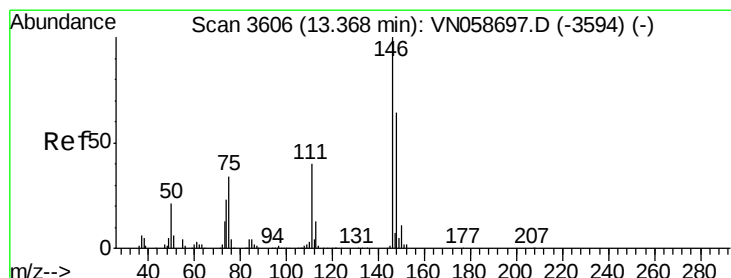
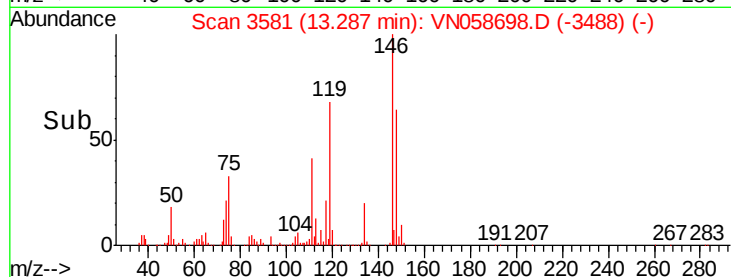
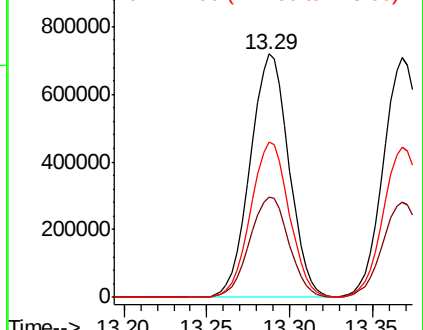
146 100

111 41.7 20.5 61.6

148 63.7 31.3 93.9



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



#88

1,4-Dichlorobenzene

Concen: 101.366 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

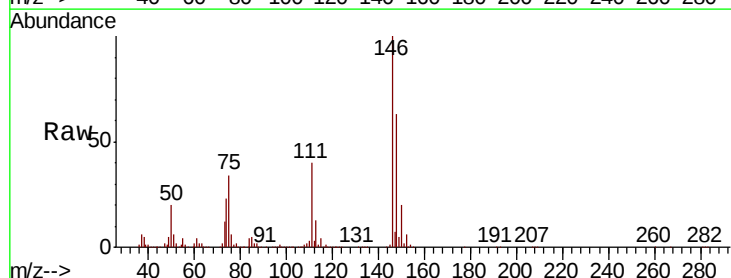
Tgt Ion:146 Resp: 1167616

Ion Ratio Lower Upper

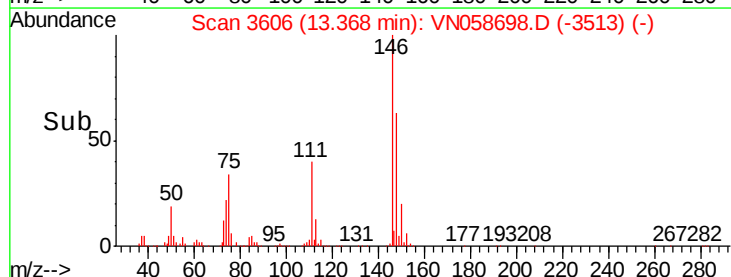
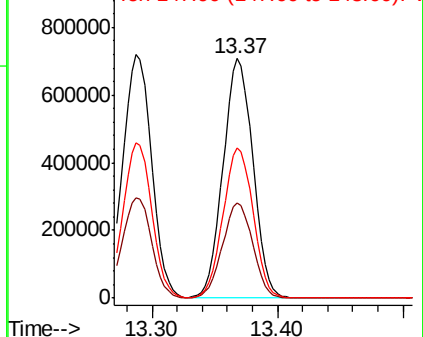
146 100

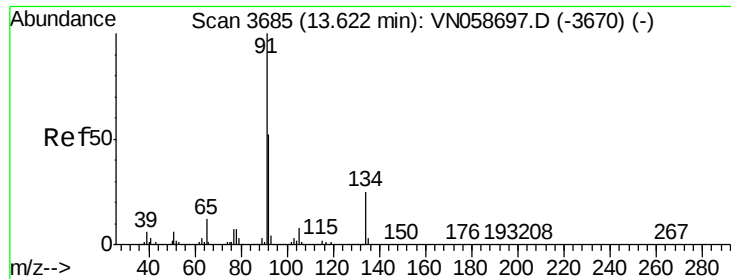
111 40.1 20.1 60.2

148 63.1 31.9 95.7



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





#89

n-Butylbenzene

Concen: 109.245 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

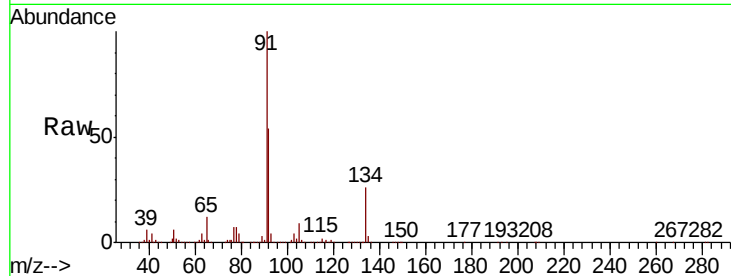
Tot Ion: 91 Resp: 2231279

Ion Ratio Lower Upper

91 100

92 53.5 26.0 78.0

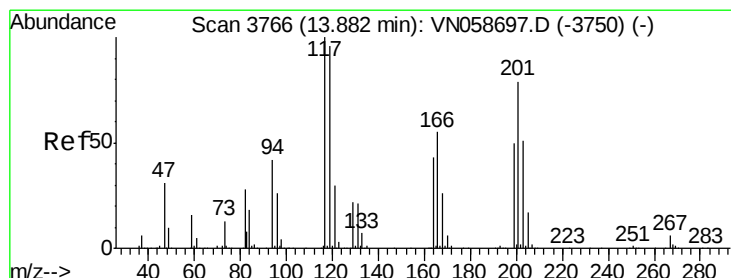
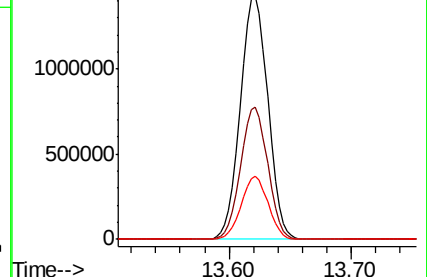
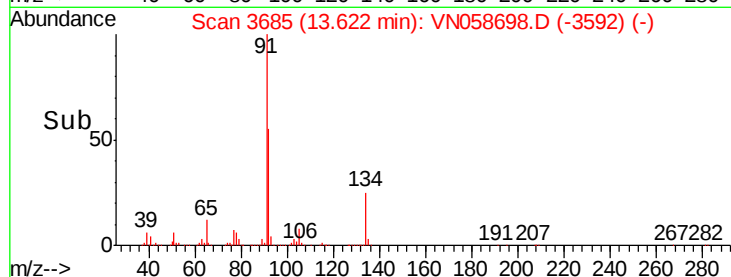
134 25.2 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058698.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN058698.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN058698.D (-3670) (-)



#90

Hexachloroethane

Concen: 125.280 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058698.D

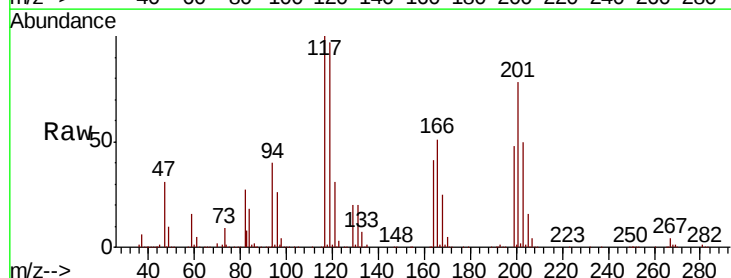
Acq: 11 Oct 2019 12:58

Tgt Ion: 117 Resp: 431459

Ion Ratio Lower Upper

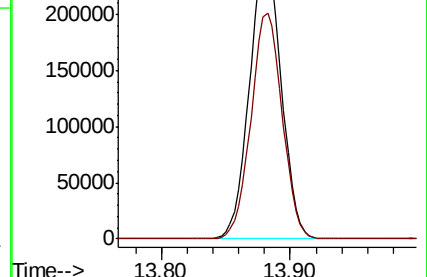
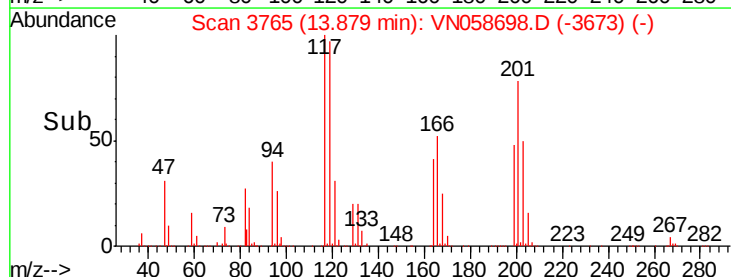
117 100

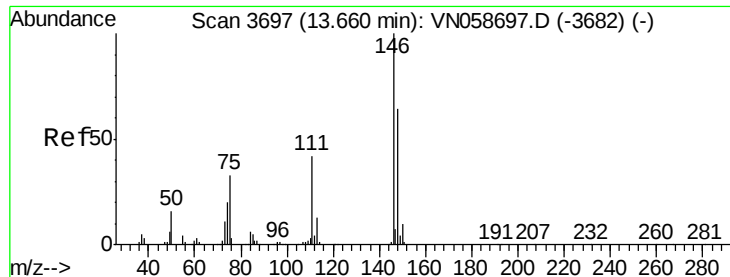
201 78.6 39.6 118.7



Abundance Ion 116.80 (116.50 to 117.50): VN058698.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058698.D (-3750) (-)





#91

1,2-Dichlorobenzene

Concen: 101.303 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

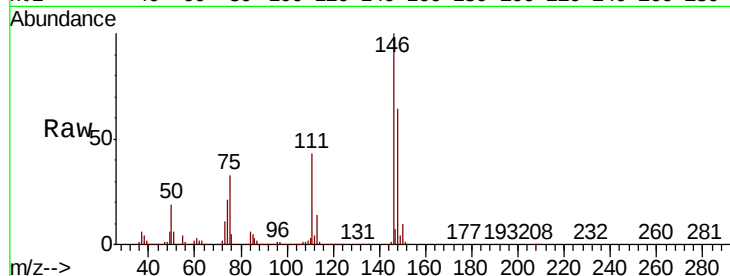
Tot Ion:146 Resp: 1130708

Ion Ratio Lower Upper

146 100

111 43.1 21.1 63.4

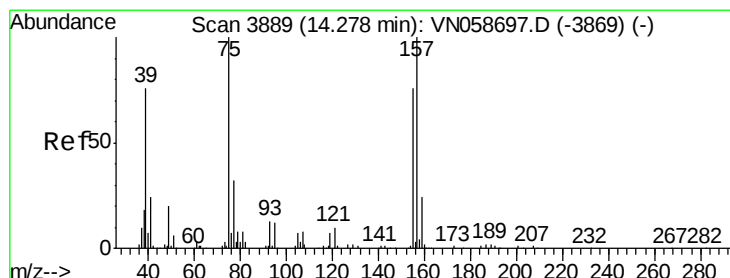
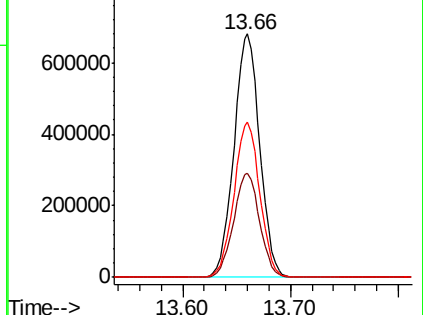
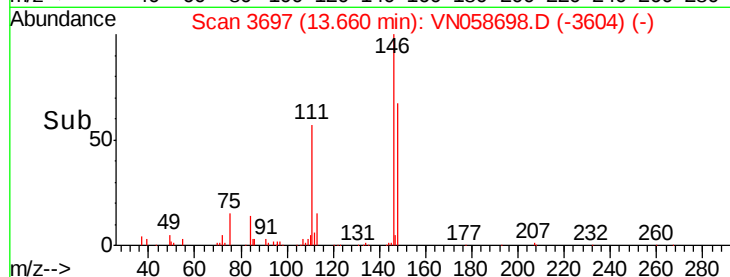
148 63.9 31.8 95.3



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: 125.657 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

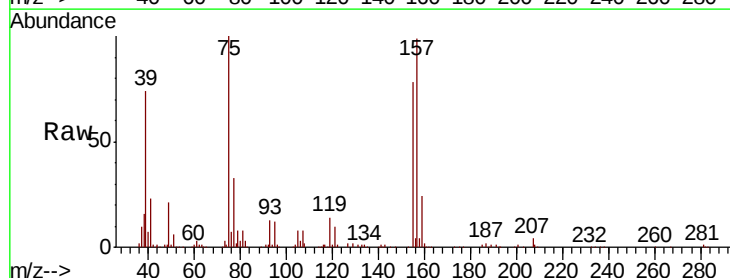
Tgt Ion: 75 Resp: 186635

Ion Ratio Lower Upper

75 100

155 78.0 37.9 113.6

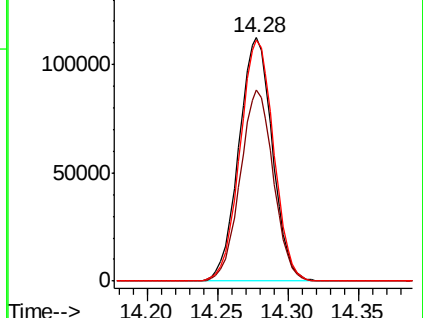
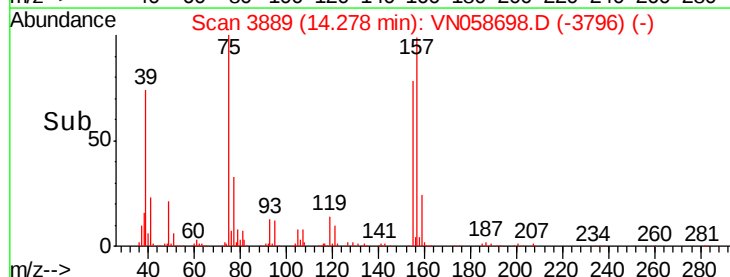
157 99.6 49.4 148.2

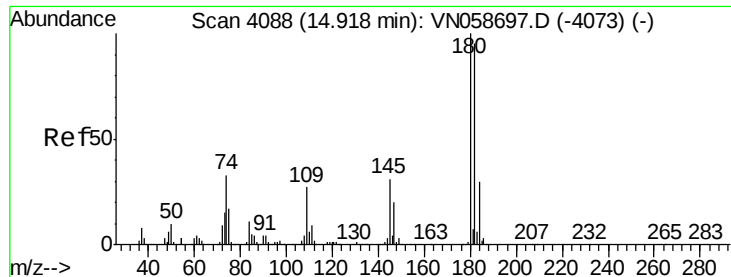


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

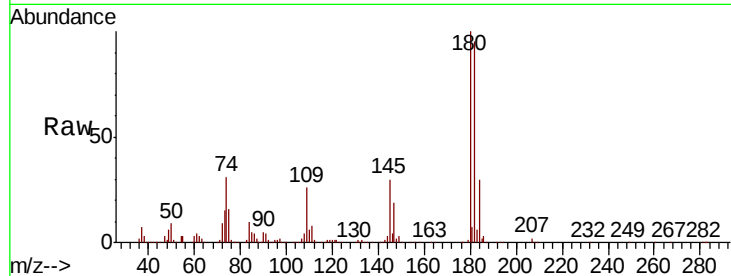




#93
 1,2,4-Trichlorobenzene
 Concen: 117.684 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	30.3	15.4	46.2

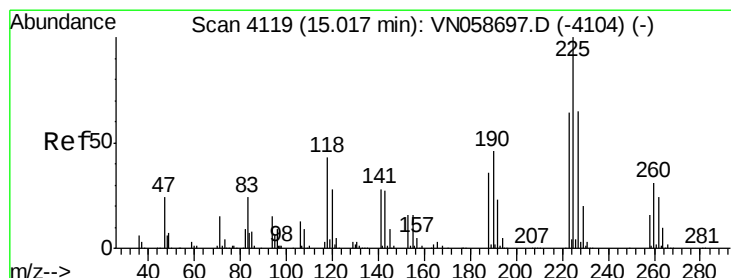
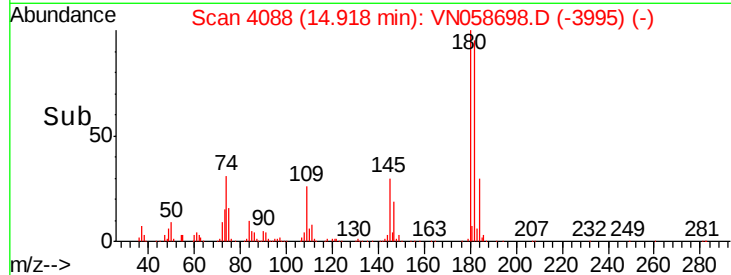
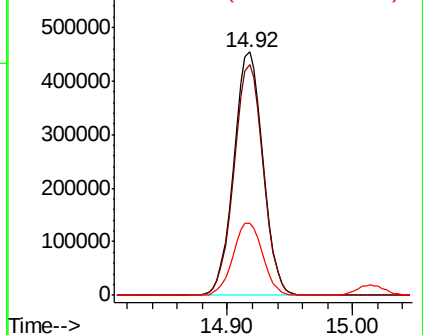


Abundance

Ion 179.80 (179.50 to 180.50): V

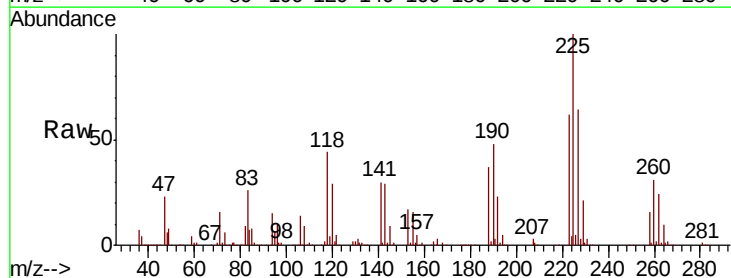
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 110.029 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.3	96.8
227	64.0	32.4	97.0

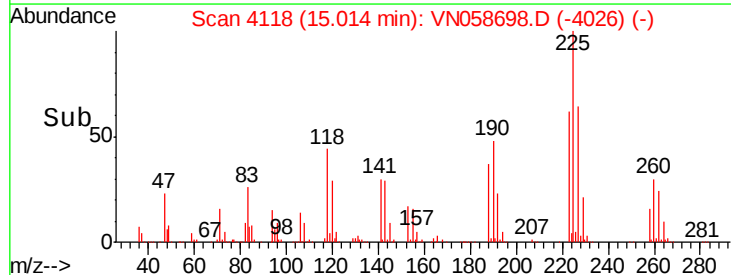
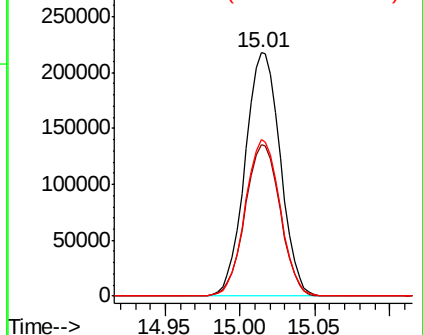


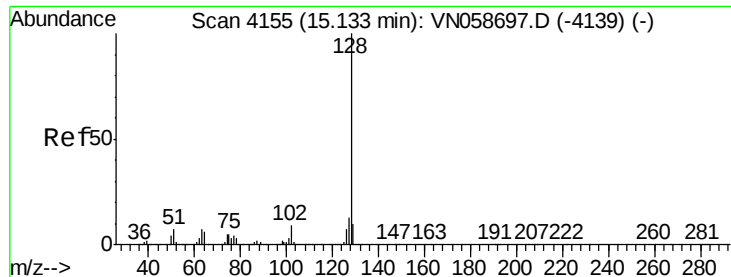
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

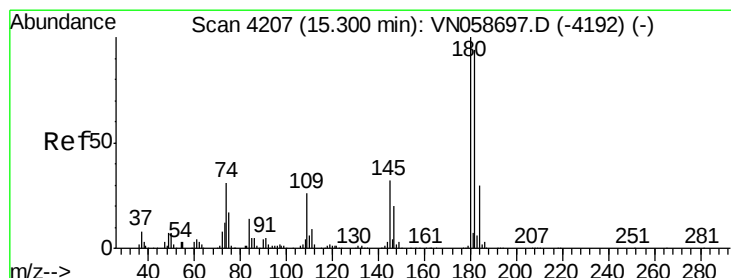
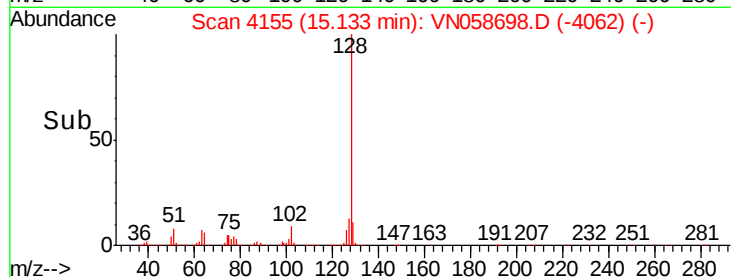
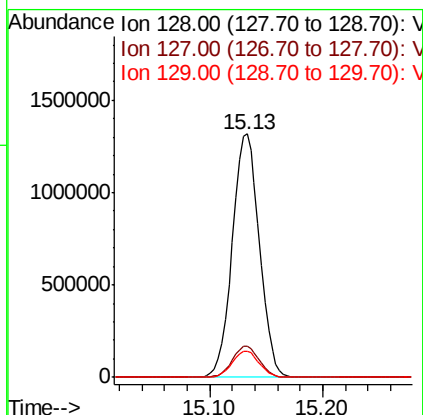
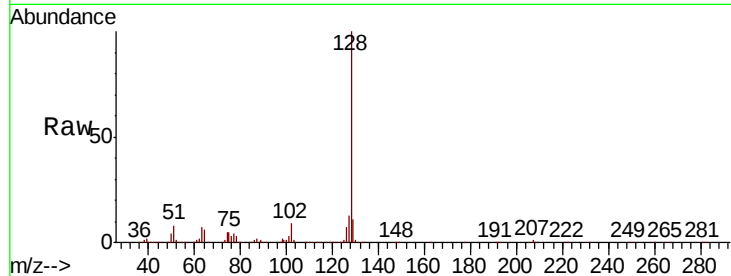




#95
Naphthalene
Concen: 132.709 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 2187569
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 123.296 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion:180 Resp: 702178
Ion Ratio Lower Upper
180 100
182 95.7 47.3 142.0
145 32.1 16.2 48.6

