

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102619\
 Data File : VN058982.D
 Acq On : 25 Oct 2019 14:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 23:05:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	366384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	576544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	555191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	275128	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	257520	47.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.84%	
35) Dibromofluoromethane	7.57	113	189586	50.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.02%	
50) Toluene-d8	10.08	98	745230	50.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.40	95	283848	52.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	210250	46.026	ug/l	100
3) Chloromethane	2.04	50	249284	44.062	ug/l	99
4) Vinyl Chloride	2.17	62	261128	46.485	ug/l	97
5) Bromomethane	2.54	94	152971	43.486	ug/l	98
6) Chloroethane	2.68	64	169238	46.980	ug/l	99
7) Trichlorofluoromethane	3.00	101	342910	49.335	ug/l	100
8) Diethyl Ether	3.39	74	121420	50.551	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	186728	48.459	ug/l	99
10) Methyl Iodide	3.92	142	226579	44.709	ug/l	100
11) Tert butyl alcohol	4.75	59	197309	221.267	ug/l	99
12) 1,1-Dichloroethene	3.71	96	176086	48.752	ug/l	98
13) Acrolein	3.58	56	124556	203.287	ug/l	99
14) Allyl chloride	4.29	41	335097	45.849	ug/l	94
15) Acrylonitrile	4.95	53	538645	240.139	ug/l	99
16) Acetone	3.79	43	616287	232.096	ug/l	98
17) Carbon Disulfide	4.03	76	514352	44.208	ug/l	100
18) Methyl Acetate	4.29	43	284382	47.107	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	660577	52.231	ug/l	99
20) Methylene Chloride	4.52	84	217524	47.976	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	196168	49.180	ug/l	99
22) Diisopropyl ether	5.92	45	759727	53.144	ug/l	99
23) Vinyl Acetate	5.86	43	3143323	273.678	ug/l	100
24) 1,1-Dichloroethane	5.82	63	411591	49.654	ug/l	100
25) 2-Butanone	6.81	43	804555	233.416	ug/l	99
26) 2,2-Dichloropropane	6.80	77	365520	50.979	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	236077	51.810	ug/l	98
28) Bromochloromethane	7.17	49	133008	48.180	ug/l	99
29) Tetrahydrofuran	7.18	42	498316	236.329	ug/l	100
30) Chloroform	7.35	83	409146	49.206	ug/l	99
31) Cyclohexane	7.63	56	359699	46.579	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	347720	49.613	ug/l	100
36) 1,1-Dichloropropene	7.77	75	305247	51.714	ug/l	99
37) Ethyl Acetate	6.90	43	316581	49.223	ug/l	100
38) Carbon Tetrachloride	7.75	117	303098	49.845	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	345925	52.193	ug/l	99
40) Benzene	8.02	78	899613	51.902	ug/l	99
41) Methacrylonitrile	7.18	41	454918	158.812	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	337443	50.539	ug/l	100
43) Isopropyl Acetate	8.14	43	524036	50.804	ug/l	100
44) Trichloroethene	8.82	130	217587	51.533	ug/l	97
45) 1,2-Dichloropropane	9.10	63	249958	52.590	ug/l	99
46) Dibromomethane	9.19	93	154378	51.379	ug/l	99
47) Bromodichloromethane	9.39	83	326266	52.684	ug/l	99
48) Methyl methacrylate	9.18	41	250395	53.505	ug/l	97
49) 1,4-Dioxane	9.18	88	77100	1003.598	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1617523	268.476	ug/l	100
52) Toluene	10.15	92	565005	54.969	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	380868	55.556	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	401165	54.771	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	223468	52.775	ug/l	99
56) Ethyl methacrylate	10.42	69	352277	49.547	ug/l	99
57) 1,3-Dichloropropane	10.70	76	393256	52.916	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	757947	252.299	ug/l	99
59) 2-Hexanone	10.75	43	1217784	261.574	ug/l	99
60) Dibromochloromethane	10.90	129	248372	54.495	ug/l	99
61) 1,2-Dibromoethane	11.00	107	226517	52.273	ug/l	100
64) Tetrachloroethene	10.63	164	198866	51.146	ug/l	98
65) Chlorobenzene	11.43	112	596628	52.785	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	226685	53.147	ug/l	99
67) Ethyl Benzene	11.51	91	1109080	55.935	ug/l	99
68) m/p-Xylenes	11.62	106	819249	111.415	ug/l	99
69) o-Xylene	11.95	106	387983	55.324	ug/l	100
70) Styrene	11.96	104	653925	50.498	ug/l	99
71) Bromoform	12.13	173	176902	53.486	ug/l #	98
73) Isopropylbenzene	12.25	105	1076574	53.543	ug/l	99
74) N-amyl acetate	12.07	43	469303	51.484	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	337911	47.795	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	456129	71.534	ug/l #	100
77) Bromobenzene	12.53	156	255641	51.583	ug/l	97
78) n-propylbenzene	12.59	91	1283403	53.999	ug/l	100
79) 2-Chlorotoluene	12.68	91	750939	51.624	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	925677	54.795	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	122829	50.182	ug/l	96
82) 4-Chlorotoluene	12.78	91	785903	52.868	ug/l	100
83) tert-Butylbenzene	13.00	119	778971	53.923	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	931262	55.889	ug/l	98
85) sec-Butylbenzene	13.17	105	1062904	55.187	ug/l	100
86) p-Isopropyltoluene	13.29	119	964310	56.743	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	467559	52.762	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	466160	52.542	ug/l	100
89) n-Butylbenzene	13.62	91	882642	56.539	ug/l	99
90) Hexachloroethane	13.88	117	174477	50.667	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	456440	52.405	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67133	41.982	ug/l	97

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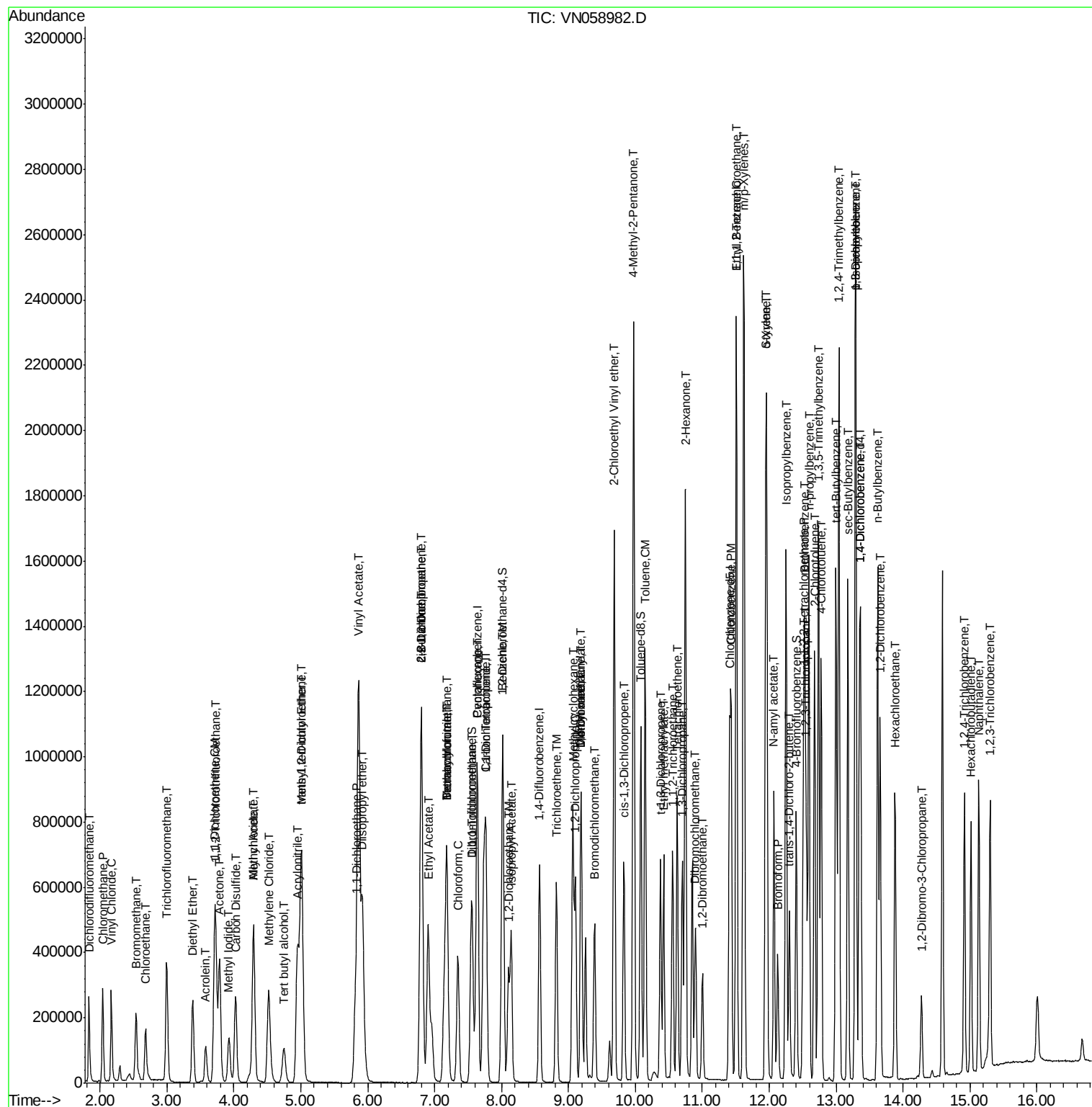
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	265307	48.468	ug/l	99
94) Hexachlorobutadiene	15.01	225	146487	51.890	ug/l	100
95) Naphthalene	15.13	128	706246	45.046	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	257913	48.398	ug/l	100

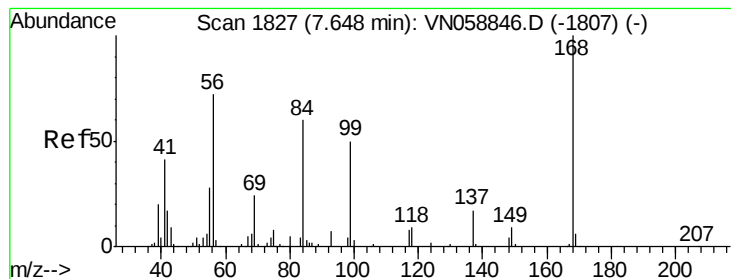
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

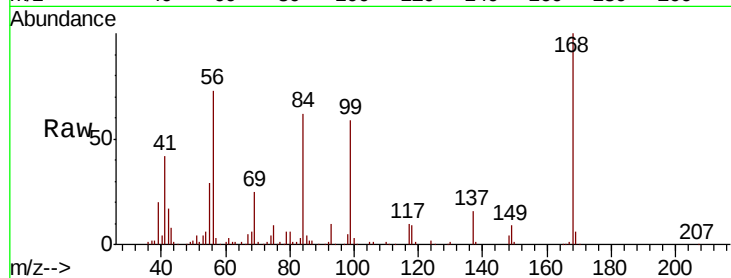
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 366384

Ion Ratio Lower Upper

168 100

99 58.7 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

150000

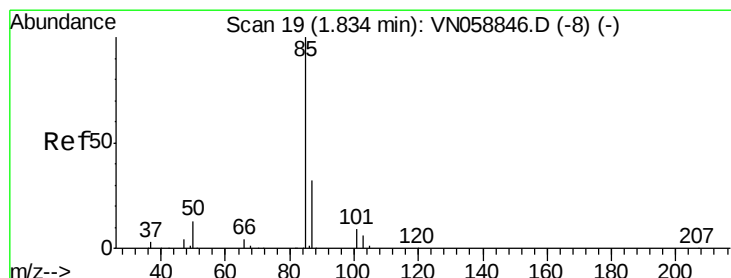
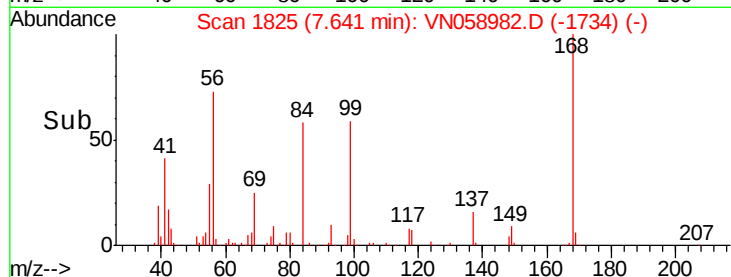
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.026 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058982.D

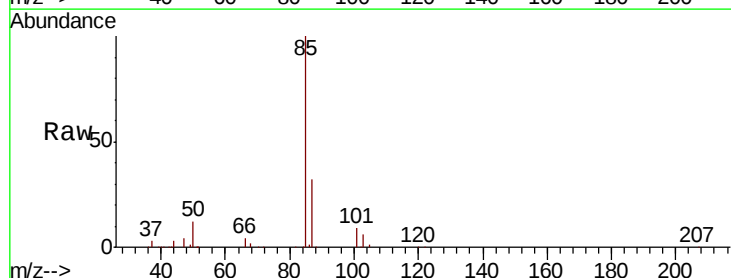
Acq: 25 Oct 2019 14:35

Tgt Ion: 85 Resp: 210250

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

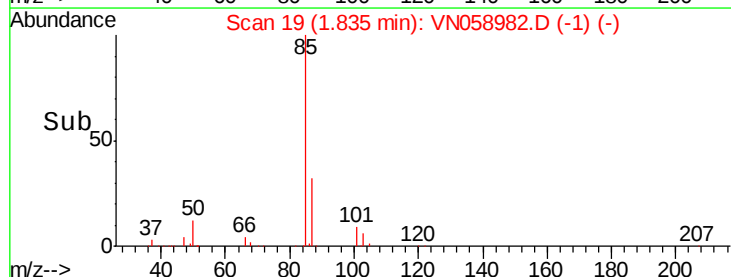
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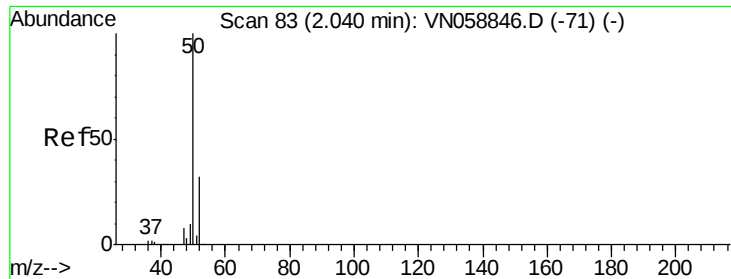
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 44.062 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

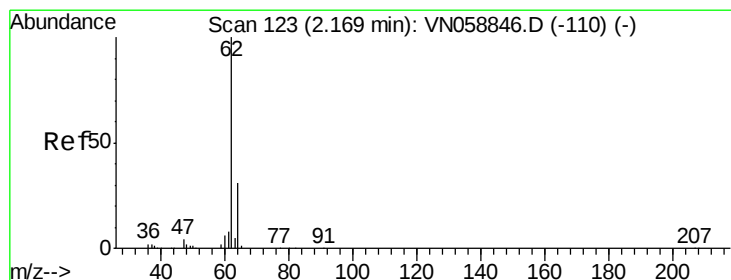
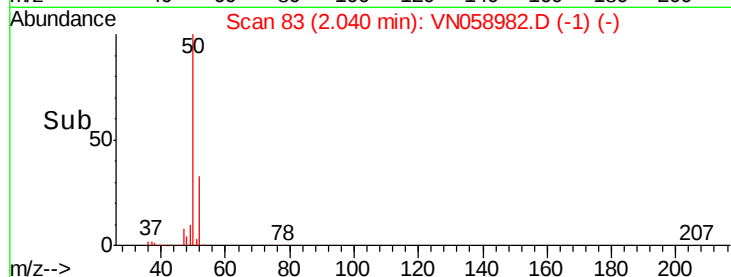
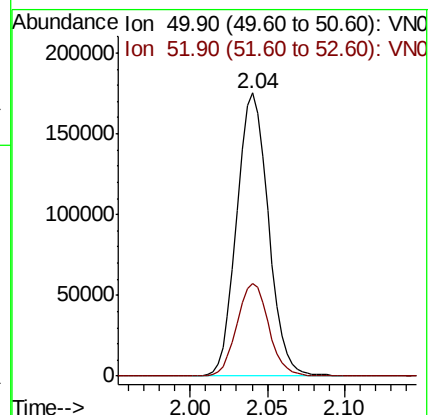
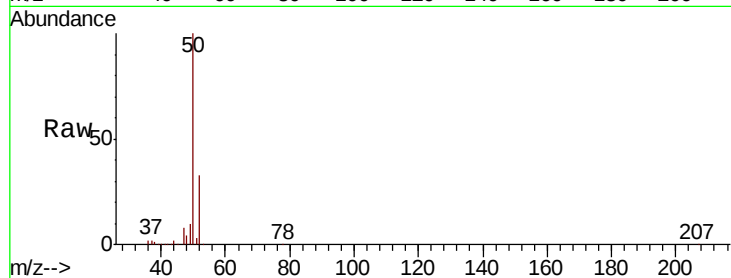
ClientSampled :

Tot Ion: 50 Resp: 249284

Ion Ratio Lower Upper

50 100

52 32.9 25.7 38.5



#4

Vinyl Chloride

Concen: 46.485 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058982.D

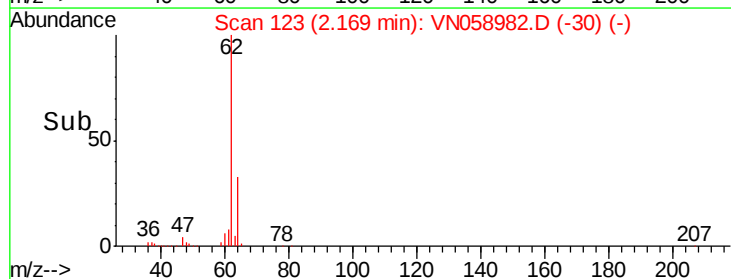
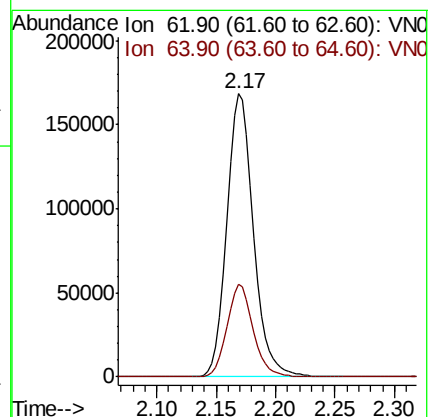
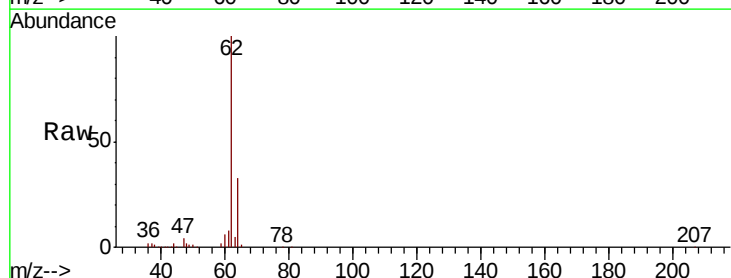
Acq: 25 Oct 2019 14:35

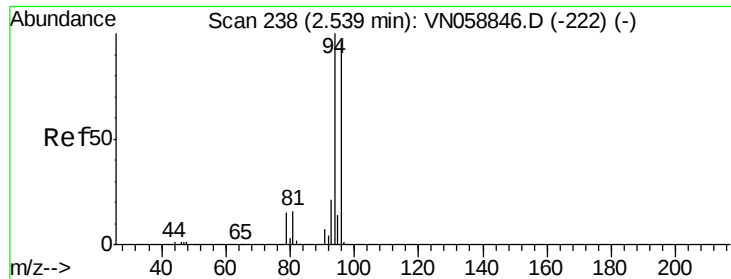
Tgt Ion: 62 Resp: 261128

Ion Ratio Lower Upper

62 100

64 32.6 24.6 36.8





#5

Bromomethane

Concen: 43.486 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

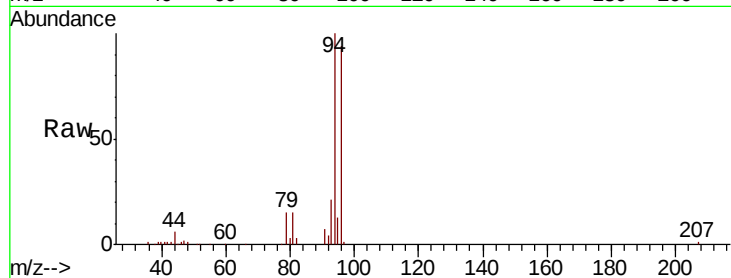
ClientSampled :

Tot Ion: 94 Resp: 152971

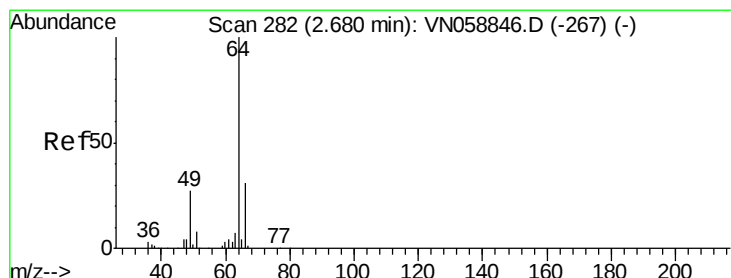
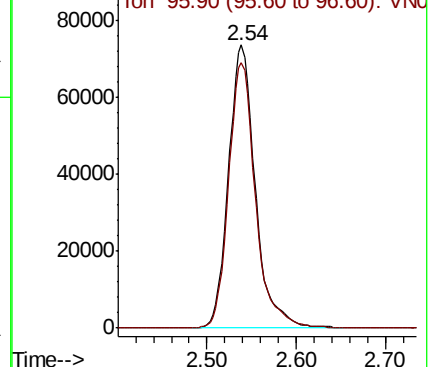
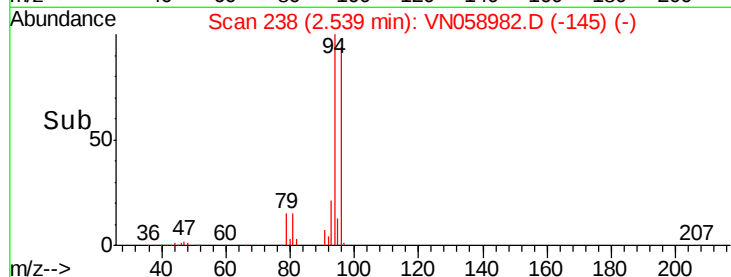
Ion Ratio Lower Upper

94 100

96 94.0 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN058982.D (-145) (-)



#6

Chloroethane

Concen: 46.980 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058982.D

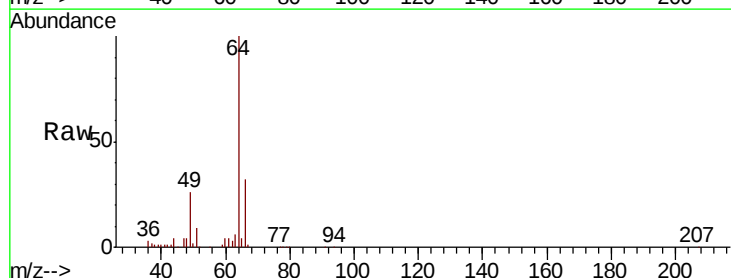
Acq: 25 Oct 2019 14:35

Tgt Ion: 64 Resp: 169238

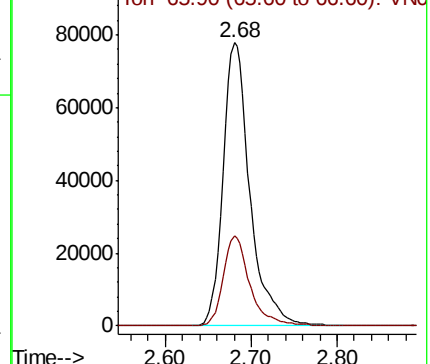
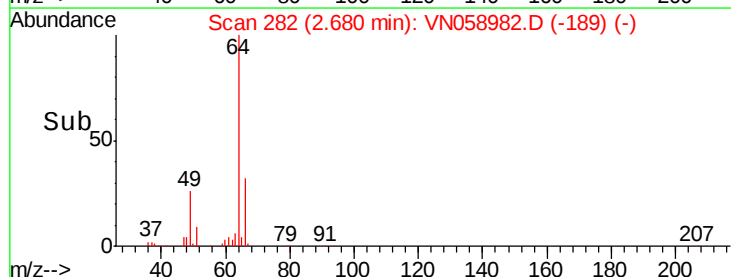
Ion Ratio Lower Upper

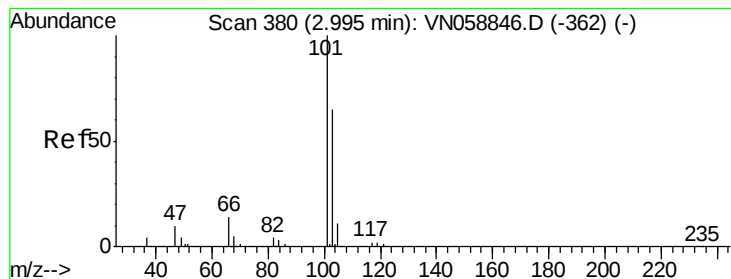
64 100

66 31.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN058982.D (-189) (-)



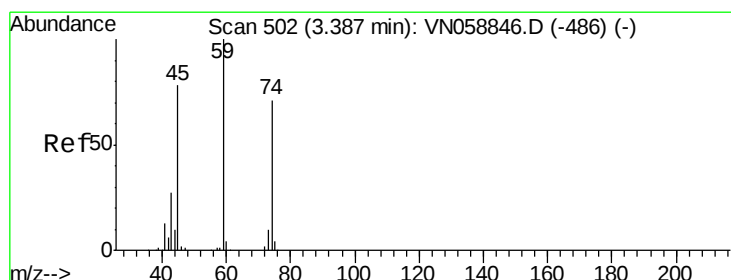
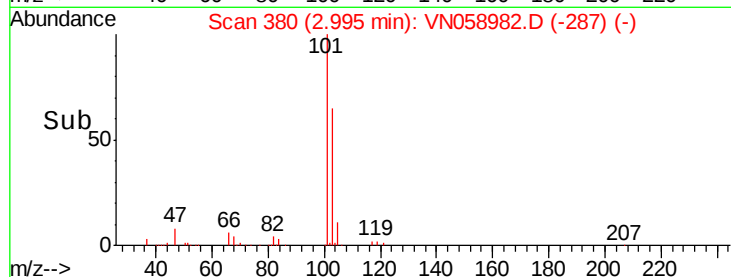
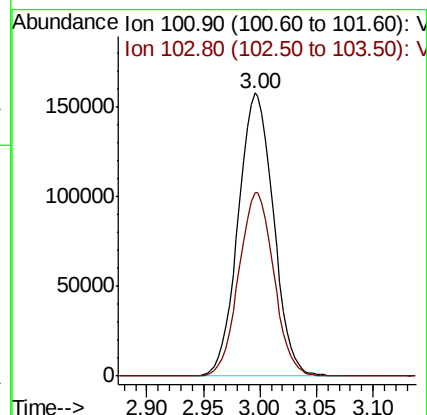
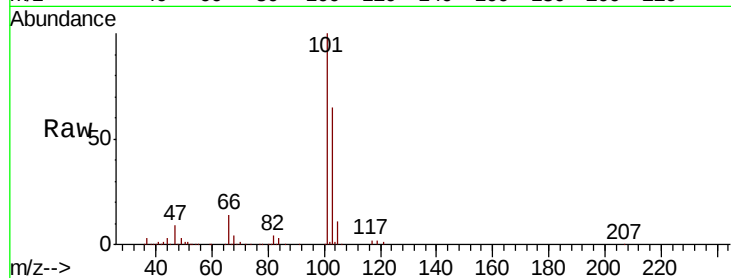


#7

Trichlorofluoromethane
Concen: 49.335 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Instrument :
MSVOA_N
ClientSampled :

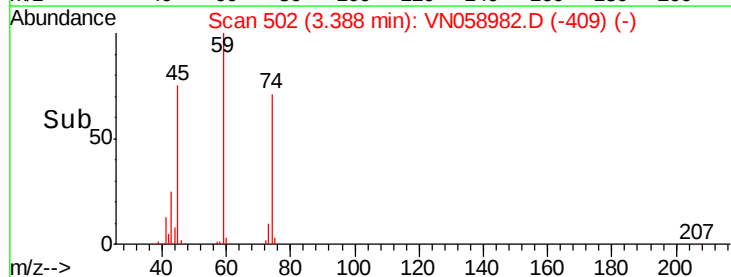
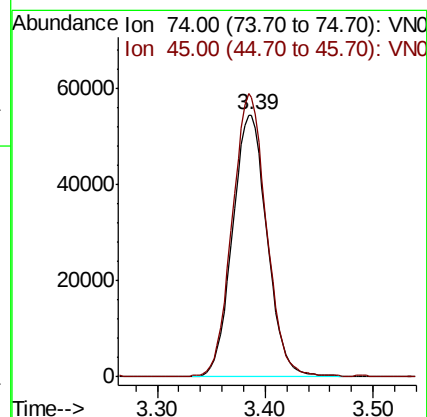
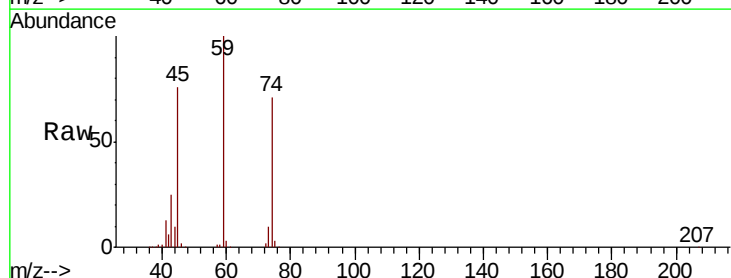
Tot Ion:101 Resp: 342910
Ion Ratio Lower Upper
101 100
103 65.0 52.2 78.2

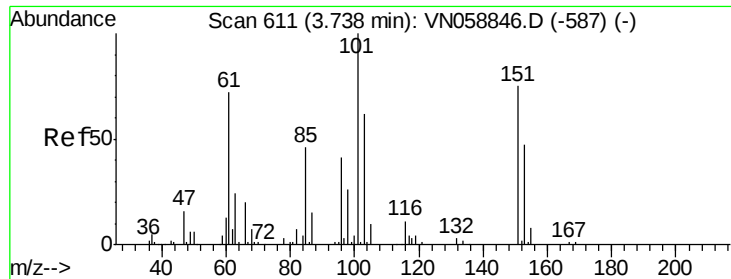


#8

Diethyl Ether
Concen: 50.551 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion: 74 Resp: 121420
Ion Ratio Lower Upper
74 100
45 107.3 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.459 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

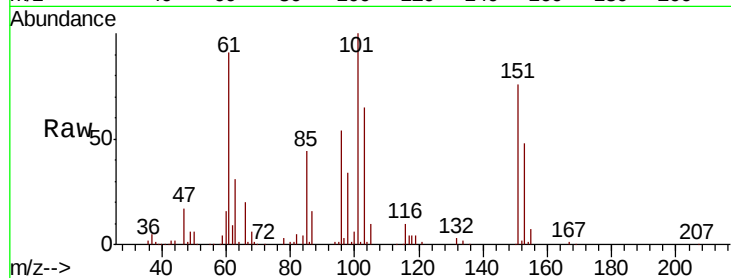
Tot Ion:101 Resp: 186728

Ion Ratio Lower Upper

101 100

85 45.0 37.2 55.8

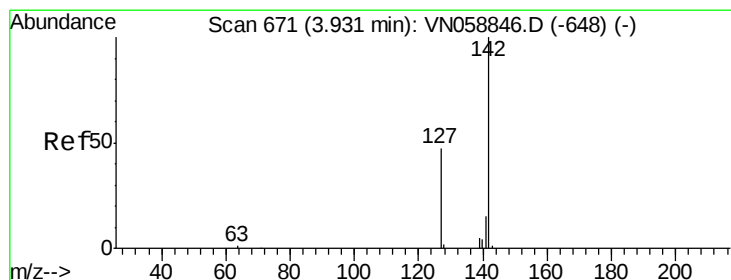
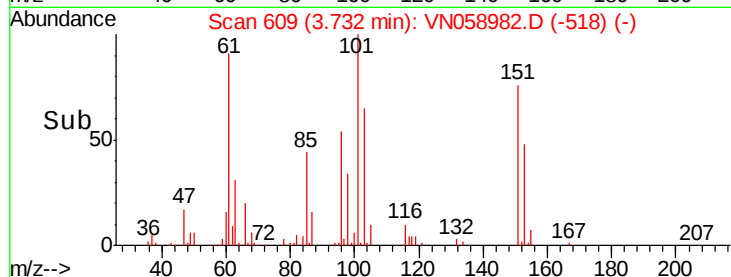
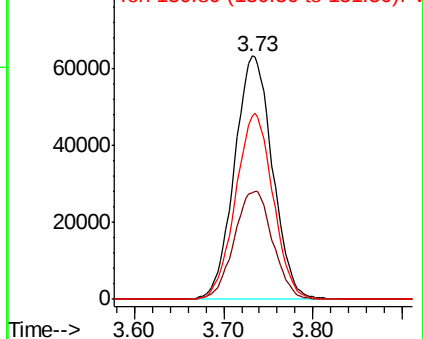
151 75.3 59.9 89.9



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: 44.709 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.01 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

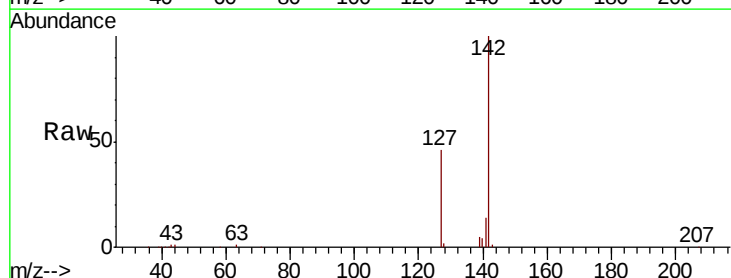
Tgt Ion:142 Resp: 226579

Ion Ratio Lower Upper

142 100

127 46.1 36.6 54.8

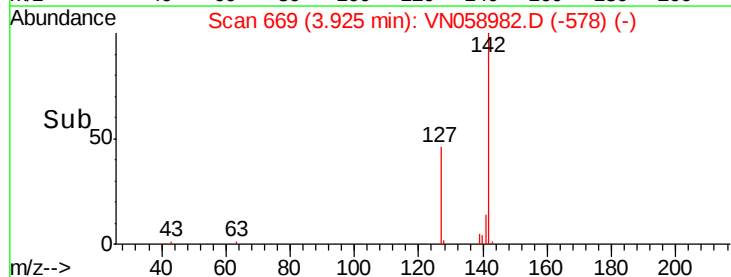
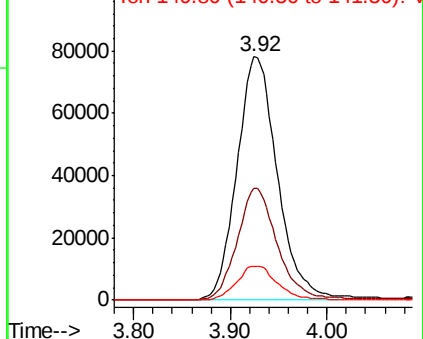
141 14.2 11.4 17.2

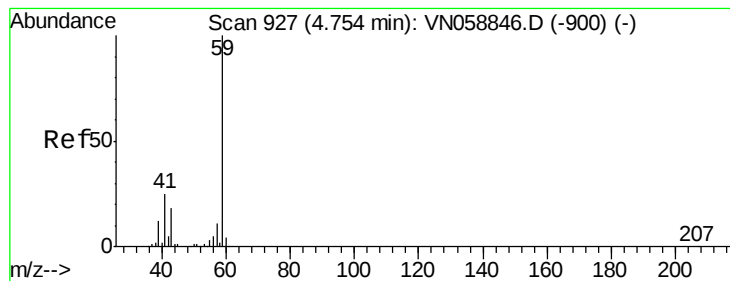


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 221.267 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

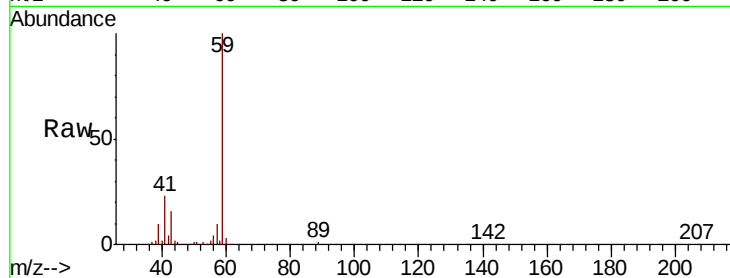
ClientSampled :

Tot Ion: 59 Resp: 197309

Ion Ratio Lower Upper

59 100

57 10.2 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.75

60000

50000

40000

30000

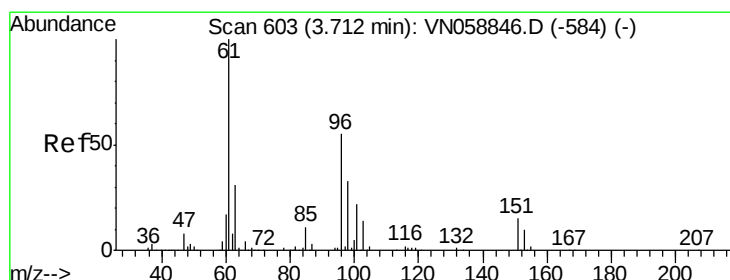
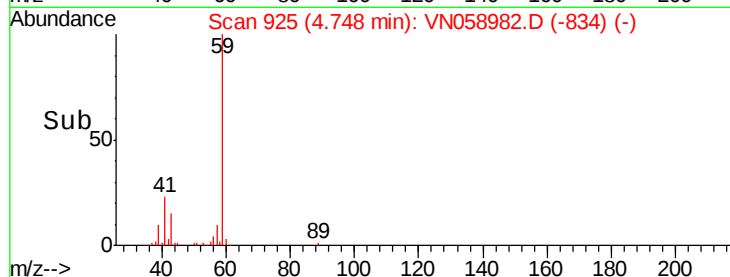
20000

10000

0

4.60 4.70 4.80 4.90

Time-->



#12

1,1-Dichloroethene

Concen: 48.752 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

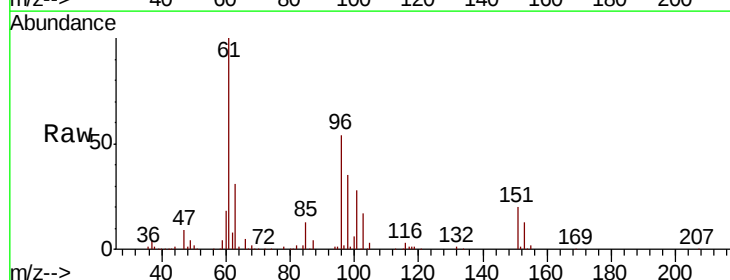
Tgt Ion: 96 Resp: 176086

Ion Ratio Lower Upper

96 100

61 183.6 146.2 219.2

98 64.1 48.7 73.1



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

3.71

150000

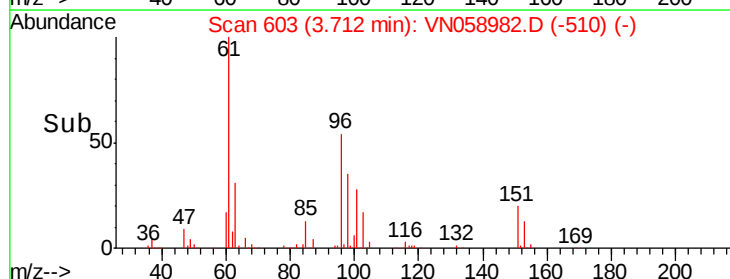
100000

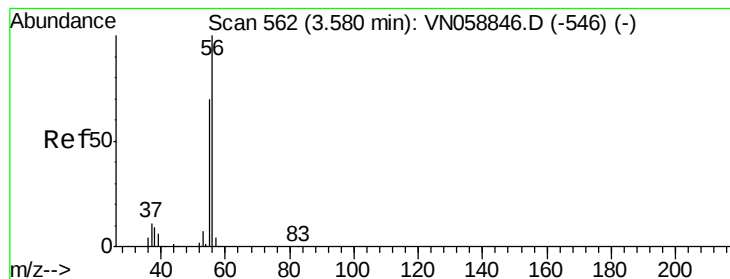
50000

0

3.60 3.70 3.80

Time-->





#13

Acrolein

Concen: 203.287 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

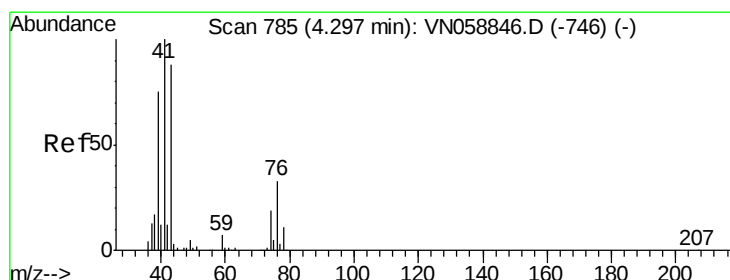
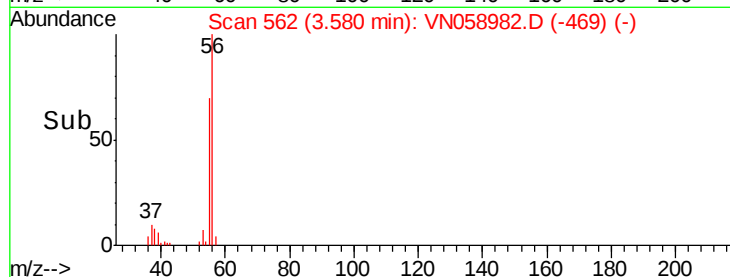
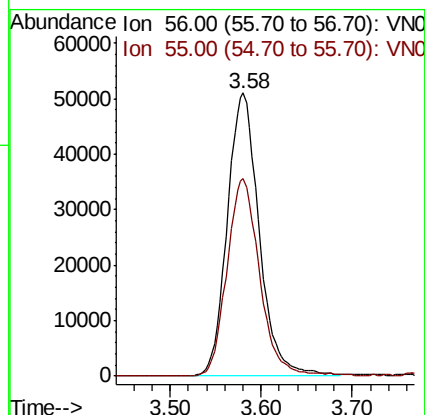
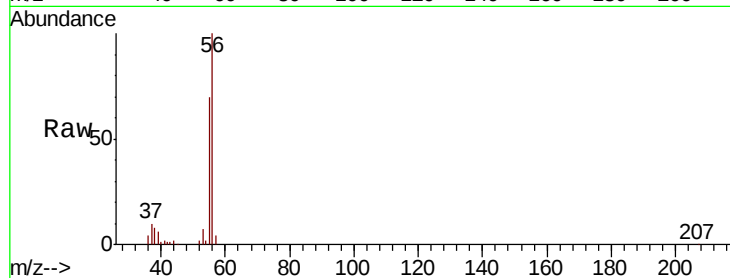
ClientSampleId :

Tot Ion: 56 Resp: 124556

Ion Ratio Lower Upper

56 100

55 71.5 56.6 85.0



#14

Allyl chloride

Concen: 45.849 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

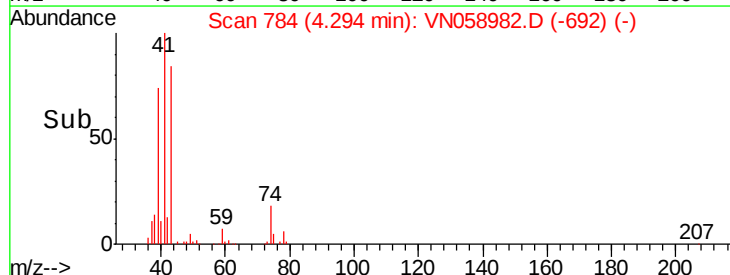
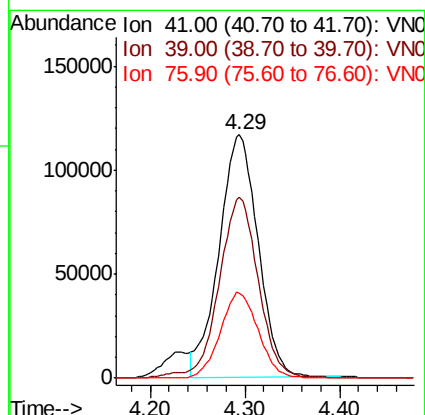
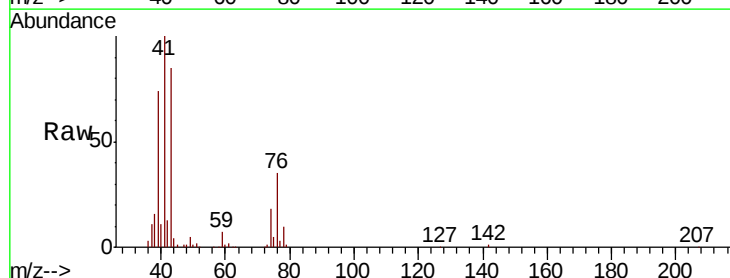
Tgt Ion: 41 Resp: 335097

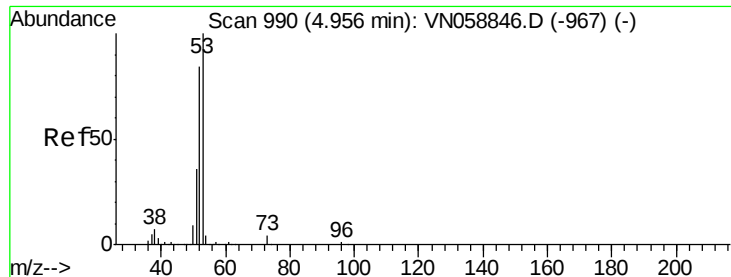
Ion Ratio Lower Upper

41 100

39 74.5 55.9 83.9

76 33.8 24.1 36.1





#15

Acrylonitrile

Concen: 240.139 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

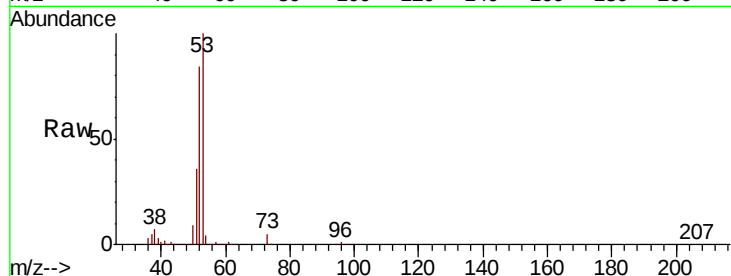
Tot Ion: 53 Resp: 538645

Ion Ratio Lower Upper

53 100

52 82.5 66.6 99.8

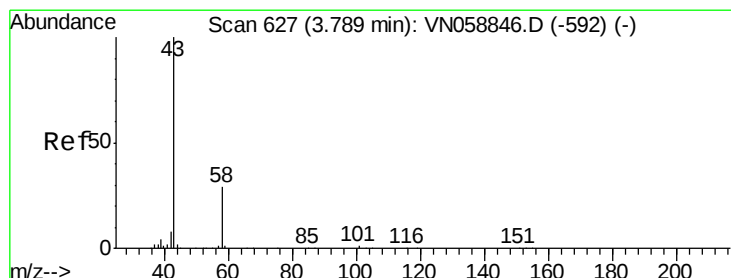
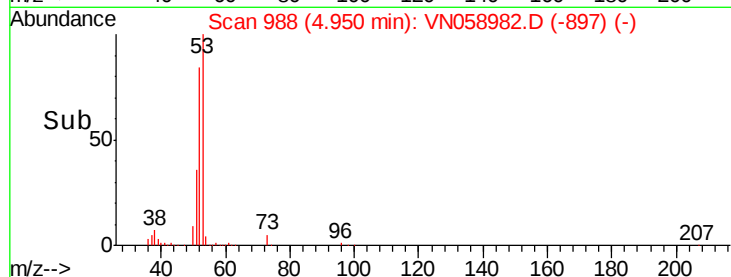
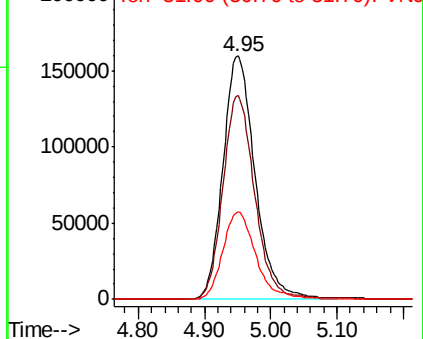
51 37.0 29.2 43.8



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: 232.096 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN058982.D

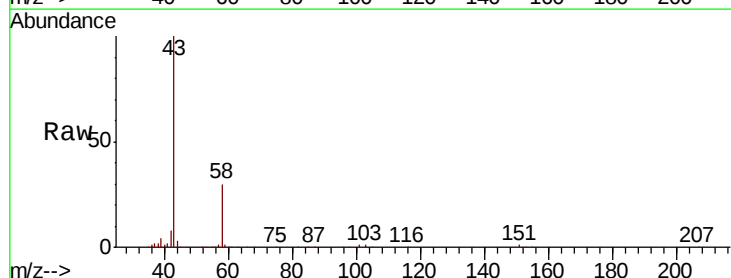
Acq: 25 Oct 2019 14:35

Tgt Ion: 43 Resp: 616287

Ion Ratio Lower Upper

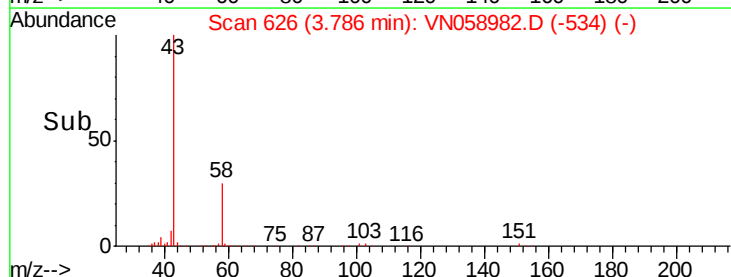
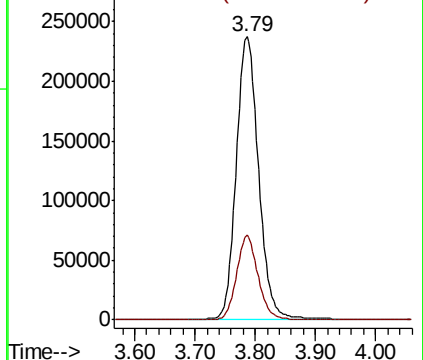
43 100

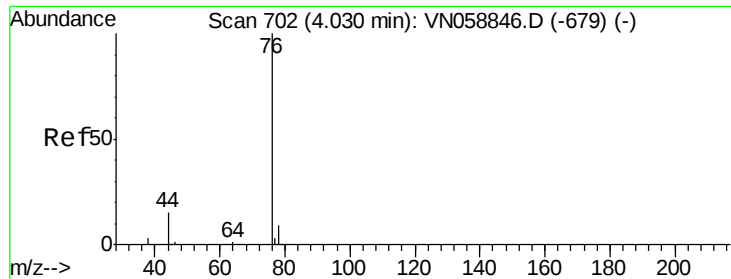
58 29.9 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

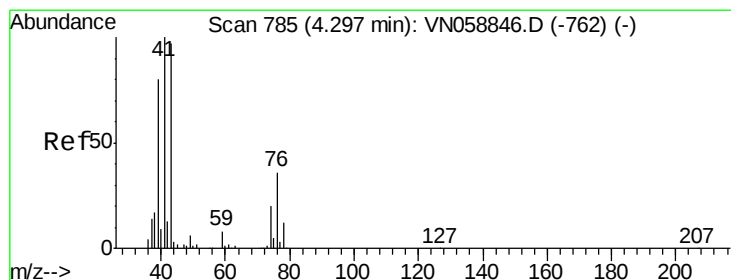
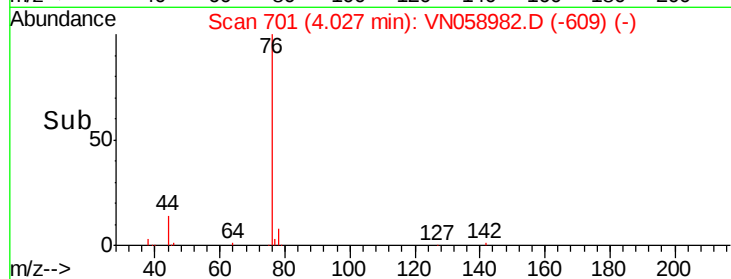
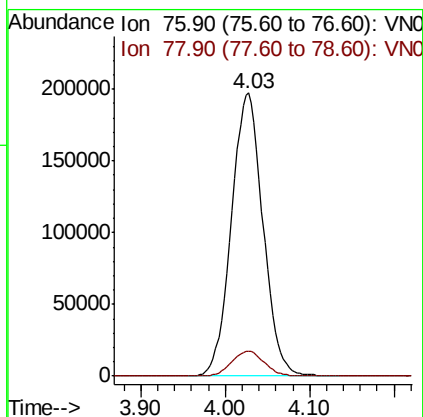
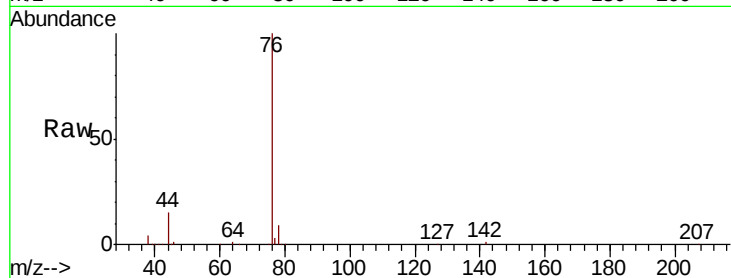




#17
Carbon Disulfide
Concen: 44.208 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

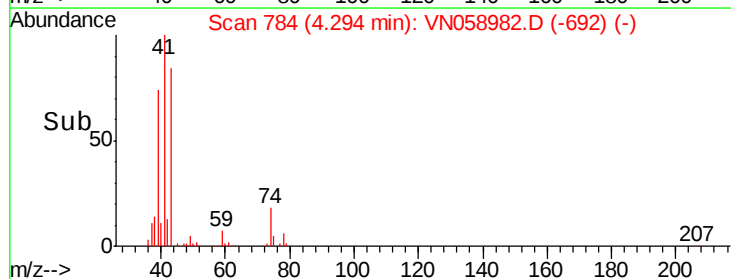
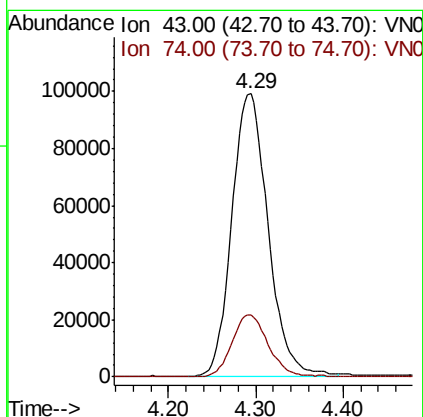
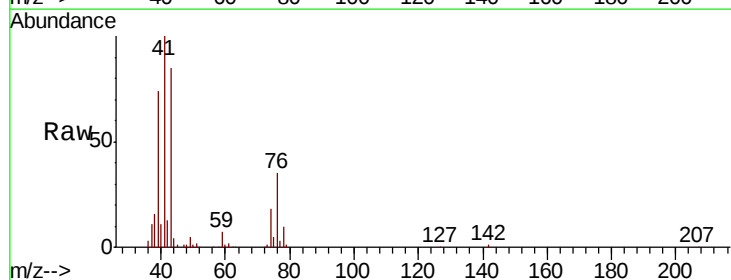
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 514352
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 47.107 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion: 43 Resp: 284382
Ion Ratio Lower Upper
43 100
74 21.8 17.1 25.7



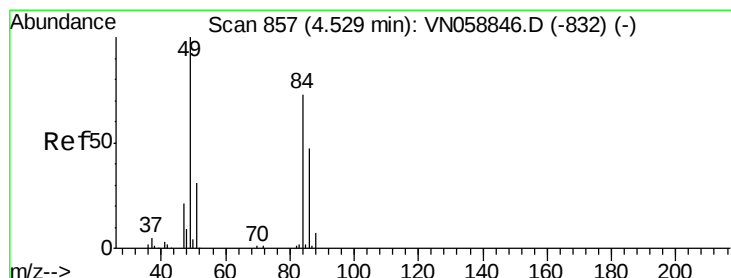
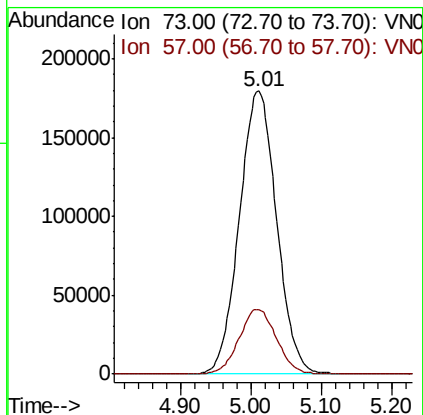
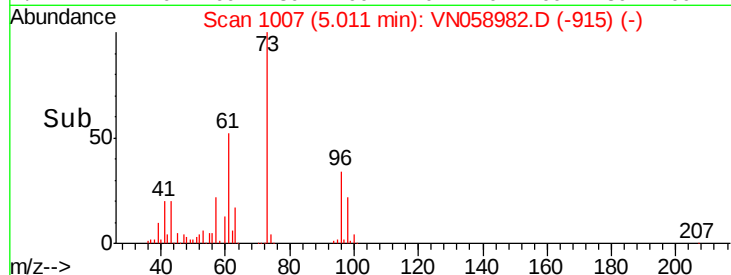
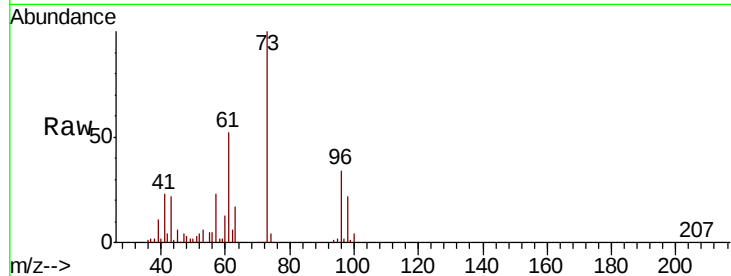


#19

Methyl tert-butyl Ether
 Concen: 52.231 ug/l
 RT: 5.01 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: VN058982.D
 Acq: 25 Oct 2019 14:35

Instrument :
 MSVOA_N
 ClientSampled :

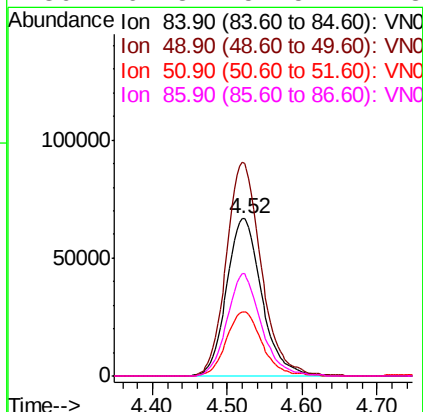
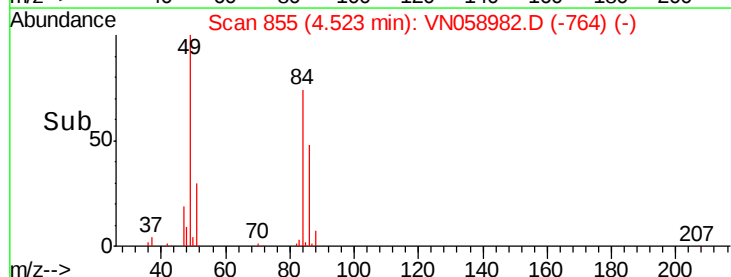
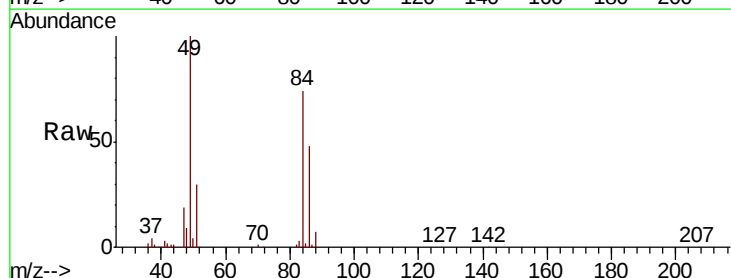
Tot Ion: 73 Resp: 660577
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.9 26.9



#20

Methylene Chloride
 Concen: 47.976 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VN058982.D
 Acq: 25 Oct 2019 14:35

Tgt Ion: 84 Resp: 217524
 Ion Ratio Lower Upper
 84 100
 49 135.1 109.6 164.4
 51 40.8 33.8 50.6
 86 64.8 51.5 77.3

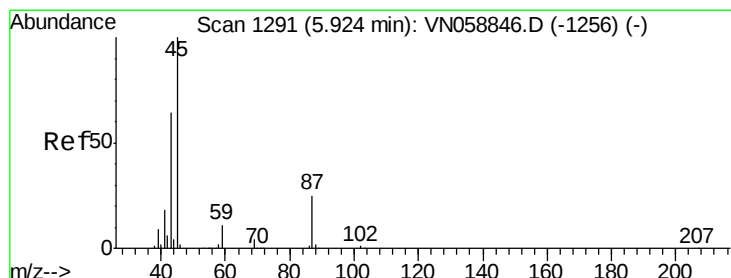
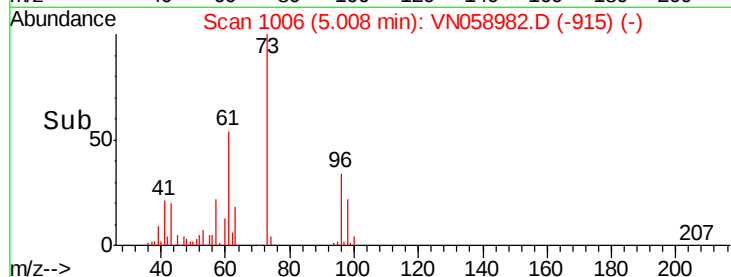
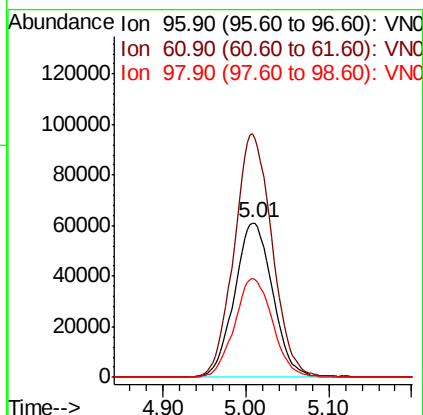
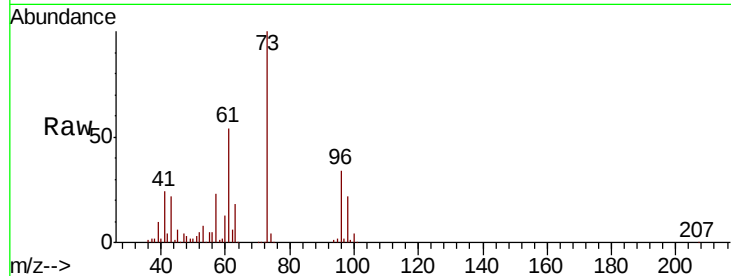




#21
trans-1,2-Dichloroethene
Concen: 49.180 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

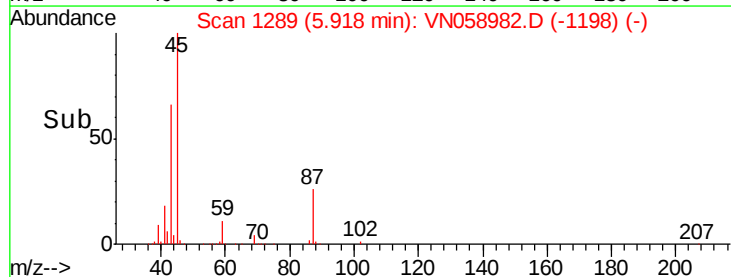
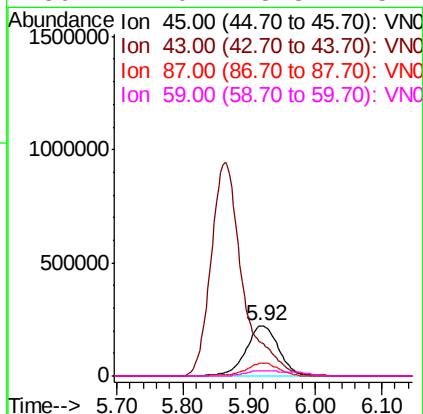
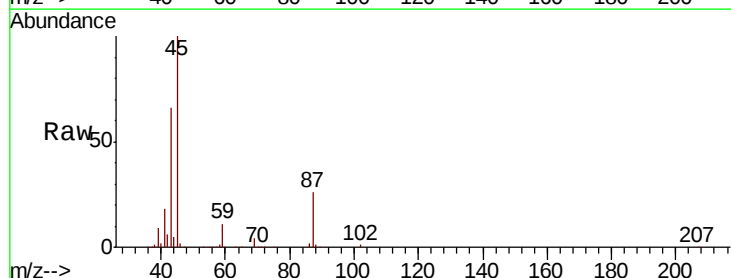
Instrument :
MSVOA_N
ClientSampleId :

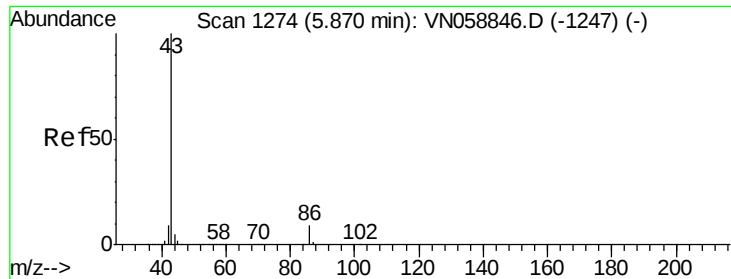
Tot Ion: 96 Resp: 196168
Ion Ratio Lower Upper
96 100
61 157.5 126.7 190.1
98 63.6 52.0 78.0



#22
Diisopropyl ether
Concen: 53.144 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion: 45 Resp: 759727
Ion Ratio Lower Upper
45 100
43 64.9 52.9 79.3
87 25.7 20.2 30.4
59 11.0 8.8 13.2





#23

Vinyl Acetate

Concen: 273.678 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

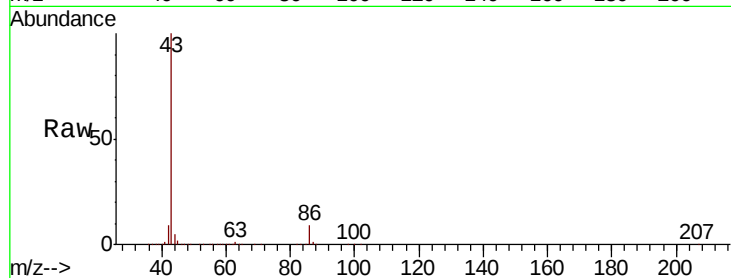
ClientSampled :

Tot Ion: 43 Resp: 3143323

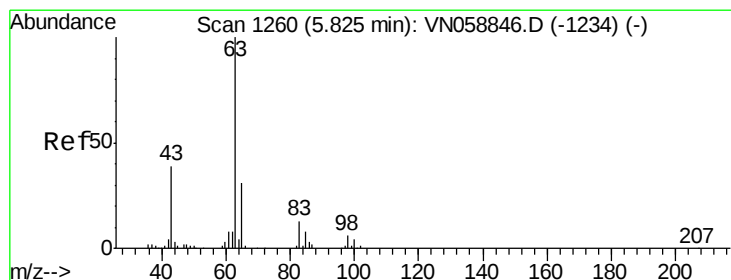
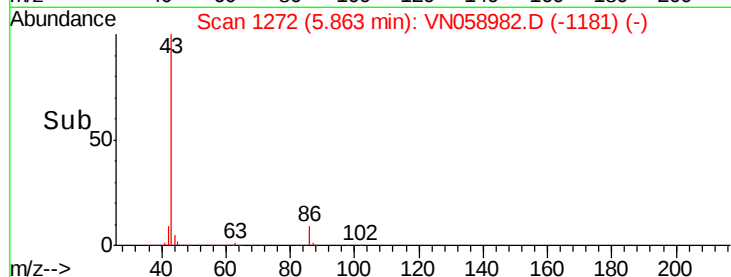
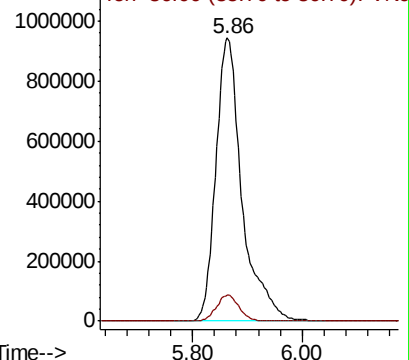
Ion Ratio Lower Upper

43 100

86 9.1 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 49.654 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

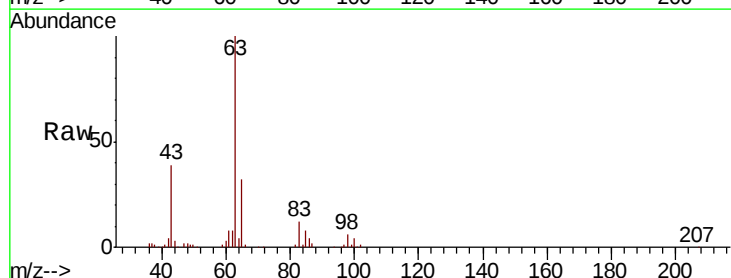
Tgt Ion: 63 Resp: 411591

Ion Ratio Lower Upper

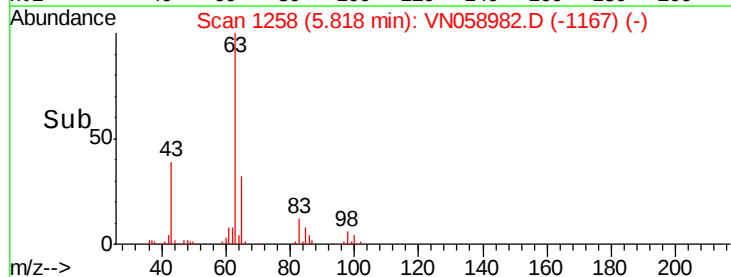
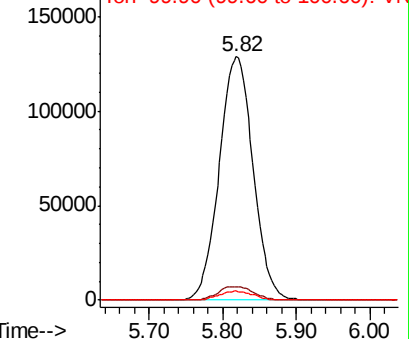
63 100

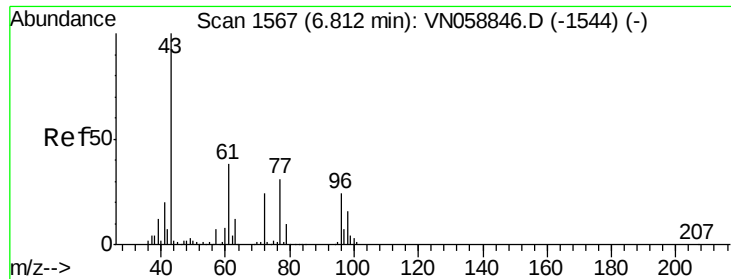
98 5.6 2.8 8.4

100 3.7 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-1234) (-)





#25

2-Butanone

Concen: 233.416 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

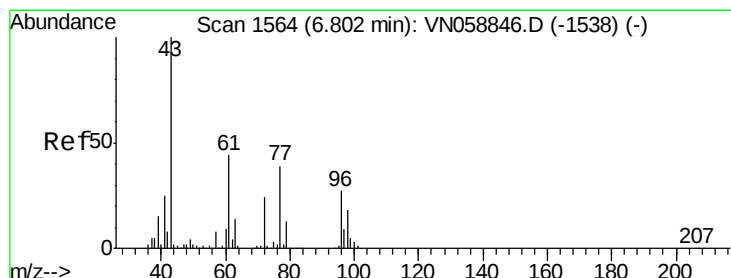
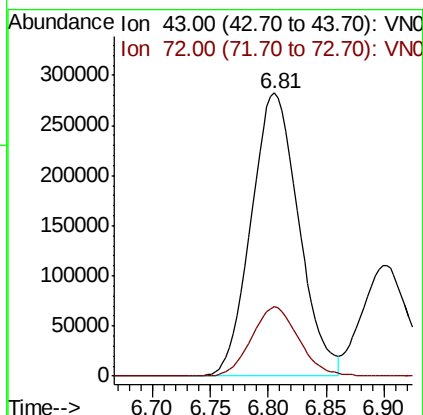
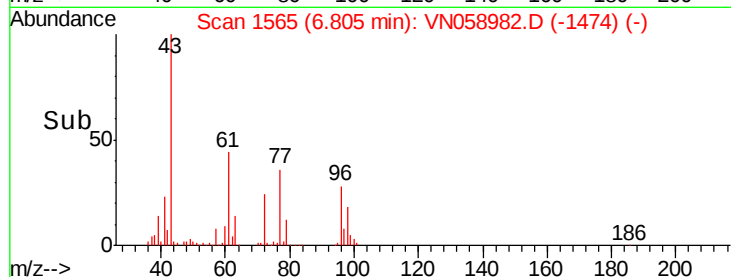
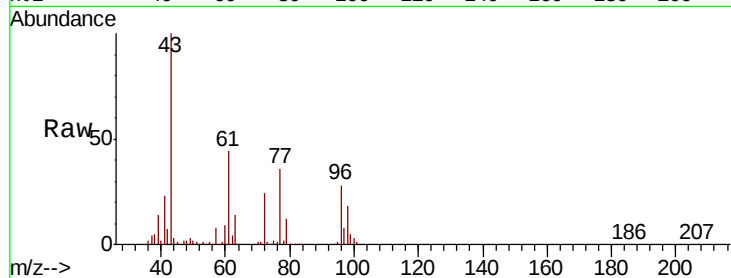
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 804555

Ion Ratio Lower Upper

43 100

72 24.5 19.1 28.7



#26

2,2-Dichloropropane

Concen: 50.979 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN058982.D

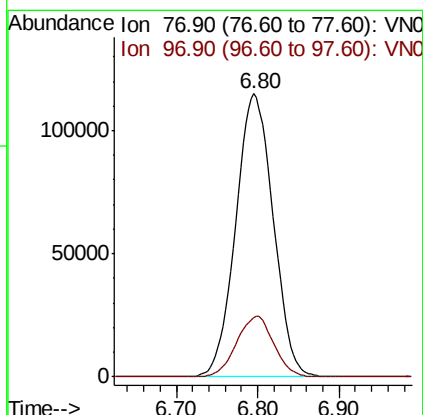
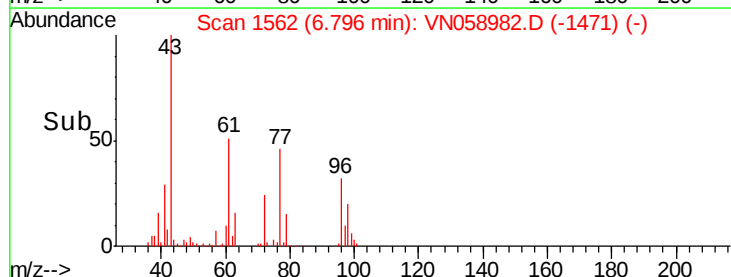
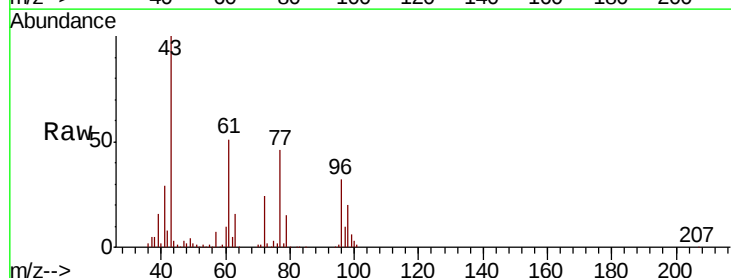
Acq: 25 Oct 2019 14:35

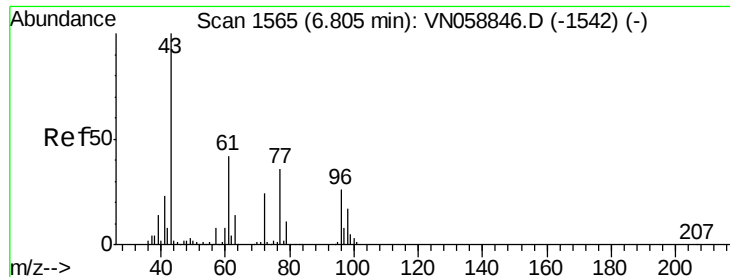
Tgt Ion: 77 Resp: 365520

Ion Ratio Lower Upper

77 100

97 21.2 10.6 31.8

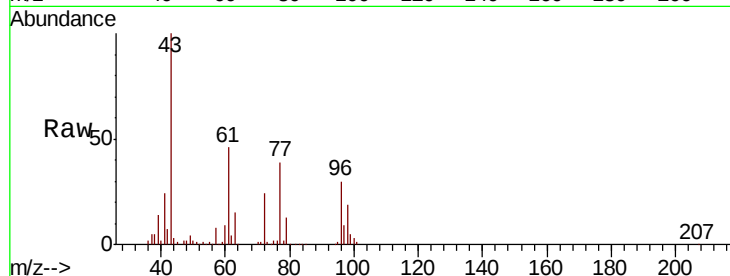




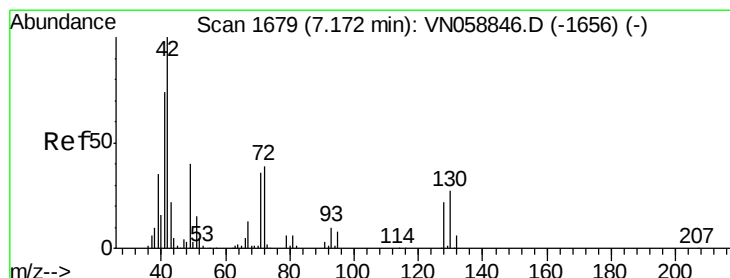
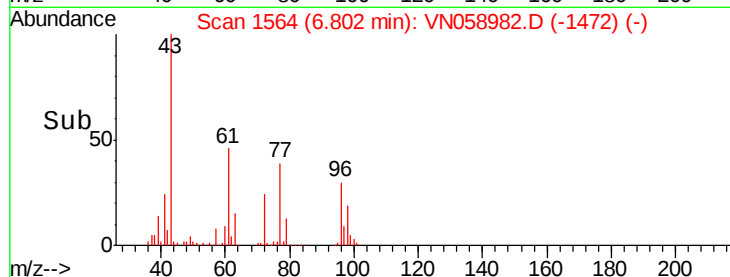
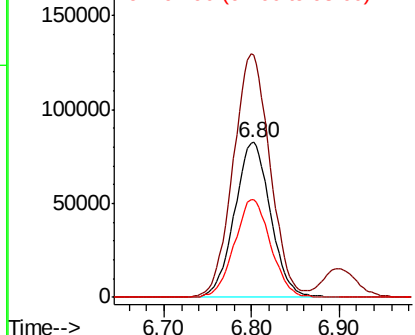
#27
 cis-1,2-Dichloroethene
 Concen: 51.810 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058982.D
 Acq: 25 Oct 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.0	0.0	325.0
98	63.3	0.0	128.0

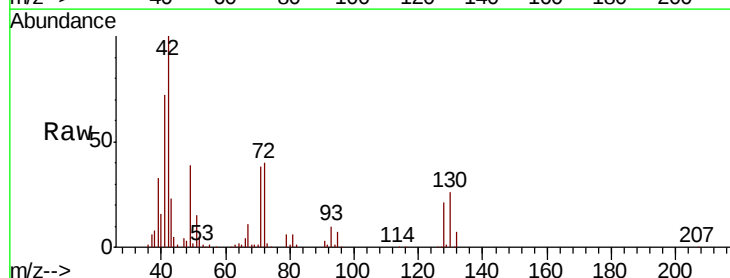


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

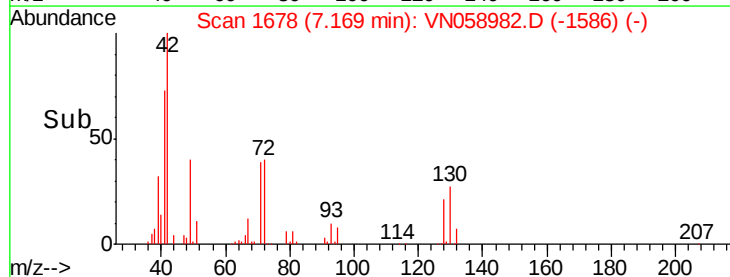
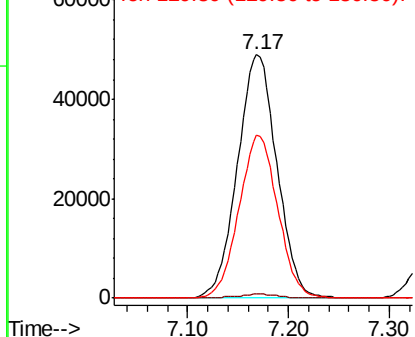


#28
 Bromochloromethane
 Concen: 48.180 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN058982.D
 Acq: 25 Oct 2019 14:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	65.8	53.5	80.3



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

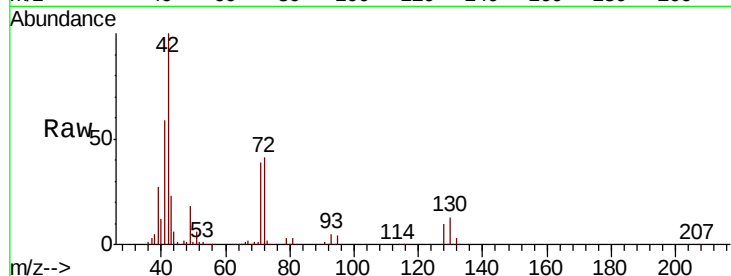




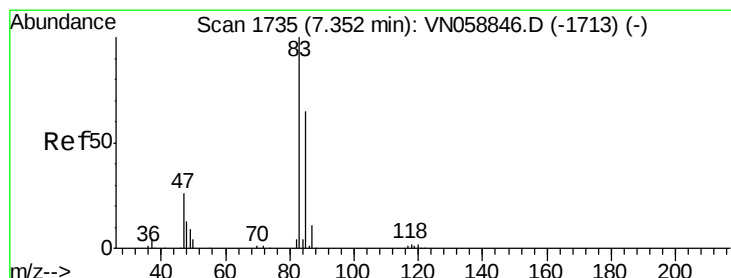
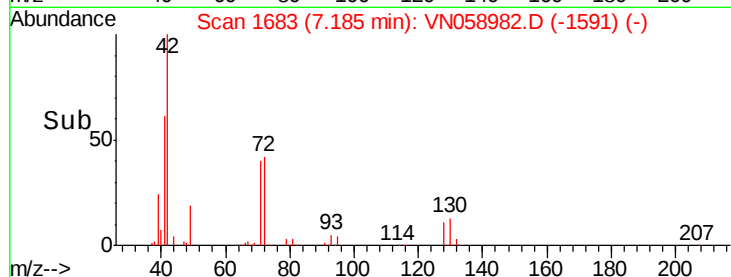
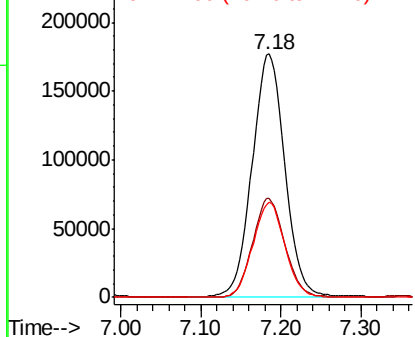
#29
Tetrahydrofuran
Concen: 236.329 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.2	48.2
71	38.2	30.6	45.8

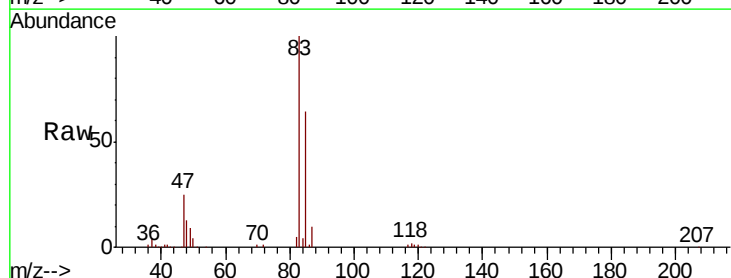


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

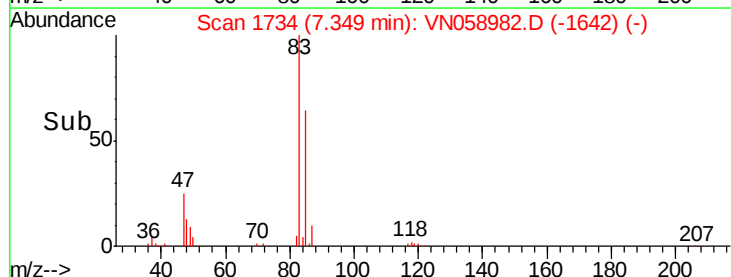
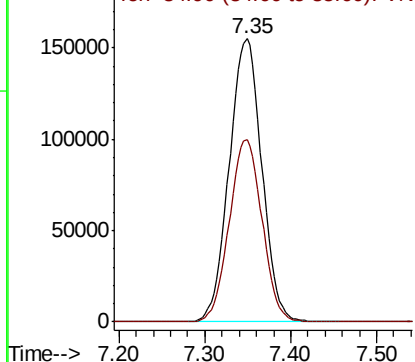


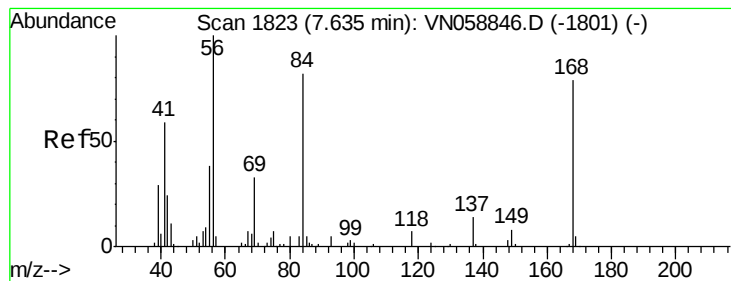
#30
Chloroform
Concen: 49.206 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.9	77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 46.579 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

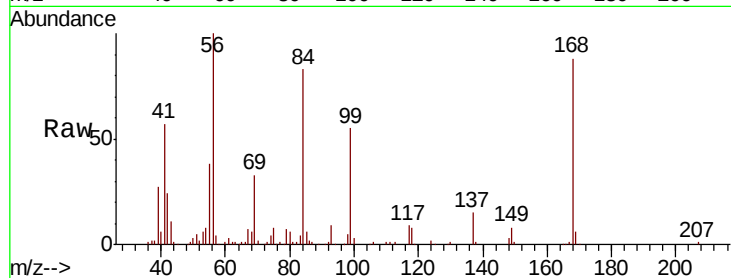
Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 359699

Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.2	39.4
84	81.8	65.6	98.4

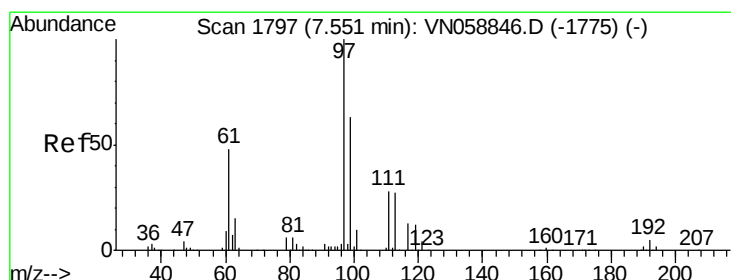
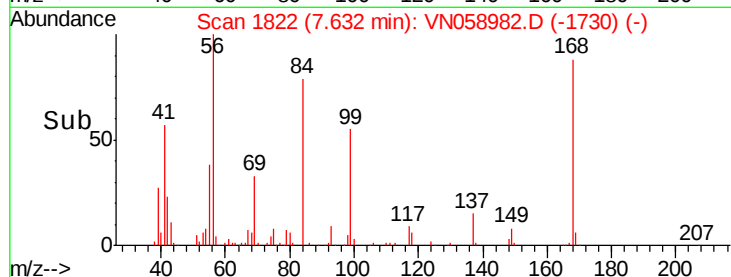
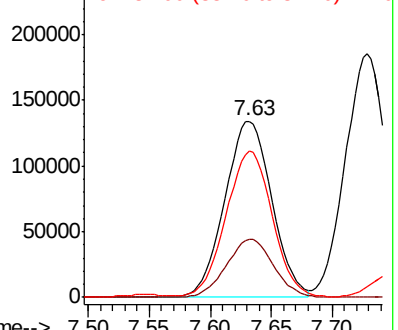


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.613 ug/l

RT: 7.55 min Scan# 1796

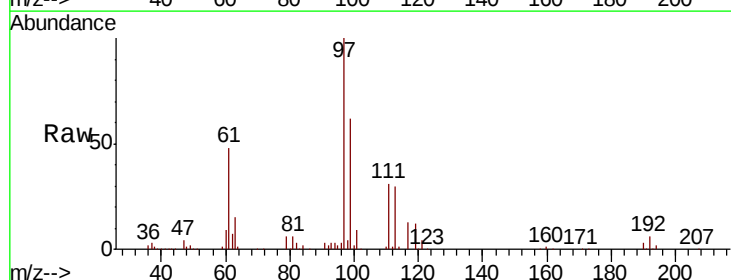
Delta R.T. -0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Tgt Ion: 97 Resp: 347720

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.4
61	48.4	38.6	58.0

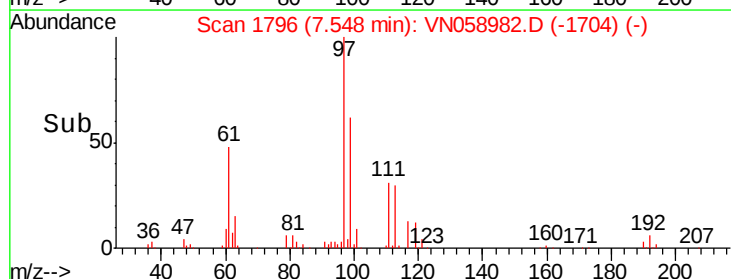
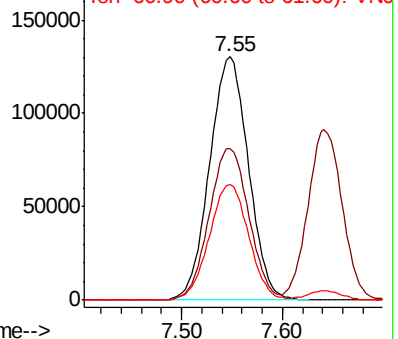


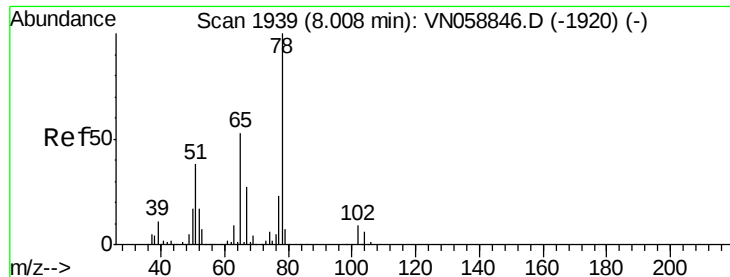
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 47.923 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

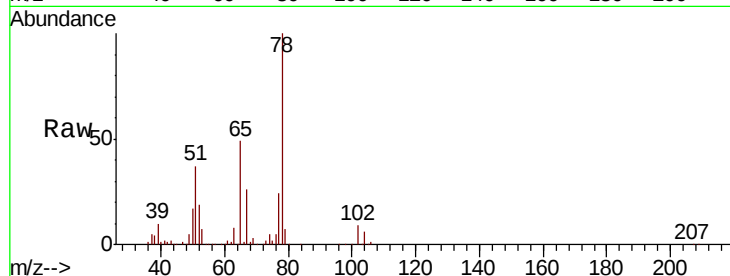
ClientSampleId :

Tot Ion: 65 Resp: 257520

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VN058846.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN058846.D (-1920) (-)

8.00

120000

100000

80000

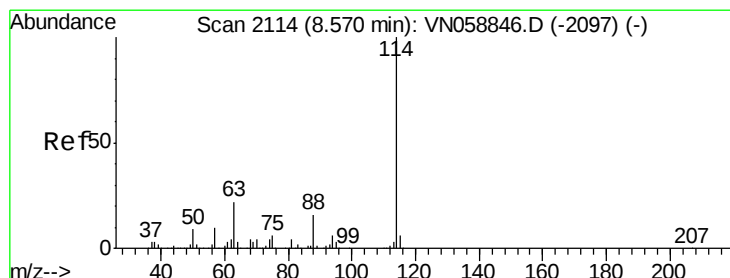
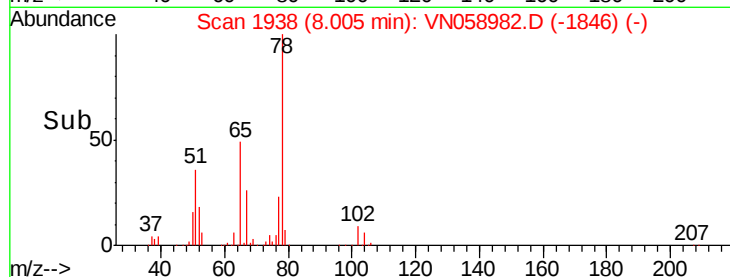
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

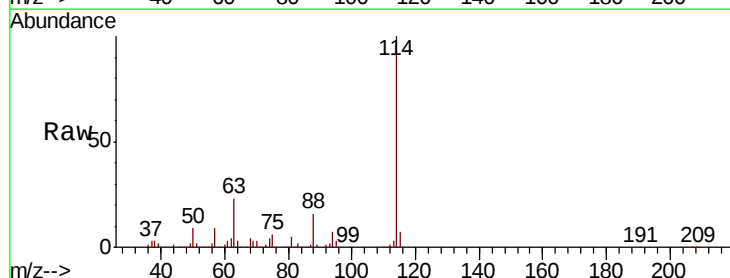
Tgt Ion: 114 Resp: 576544

Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.4

88 16.4 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN058846.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058846.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058846.D (-2097) (-)

8.57

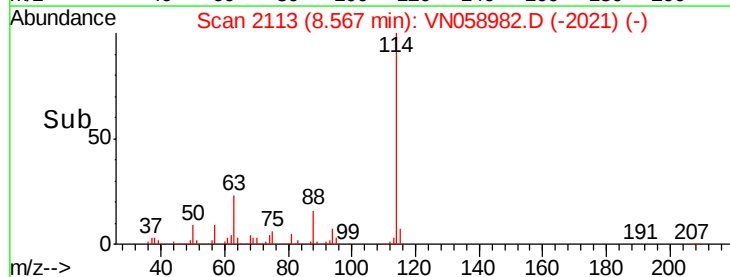
300000

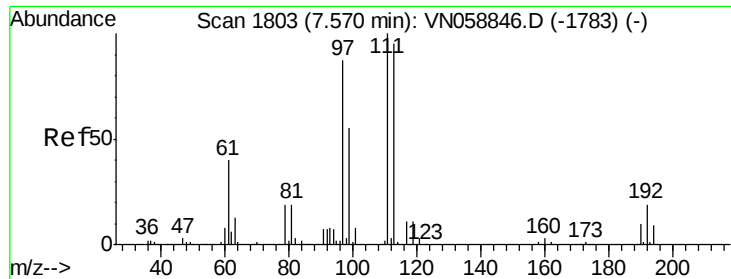
200000

100000

0

Time-->

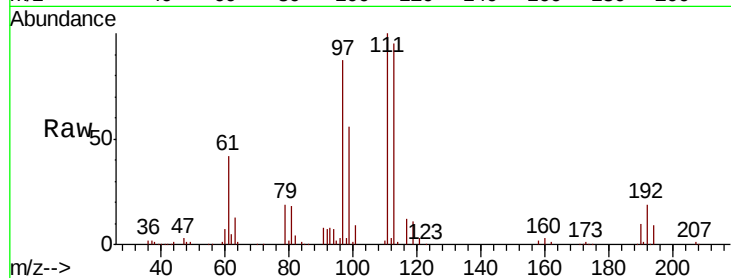




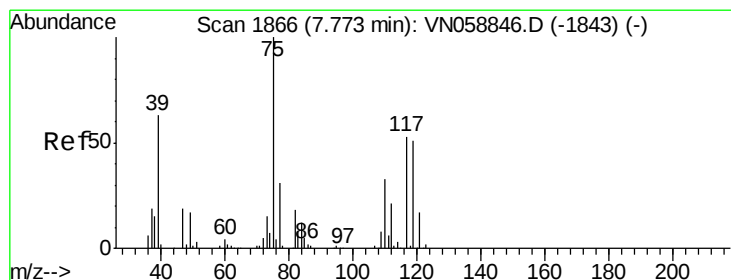
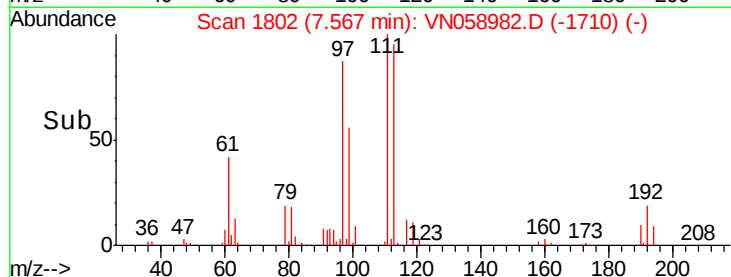
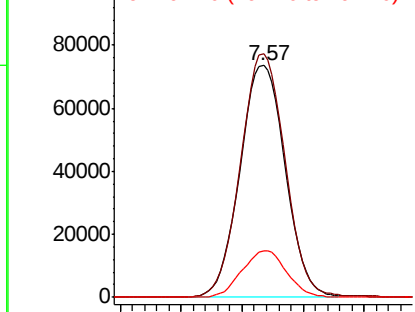
#35
 Dibromofluoromethane
 Concen: 50.014 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN058982.D
 Acq: 25 Oct 2019 14:35

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 189586
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.0 123.0
 192 19.7 15.0 22.6

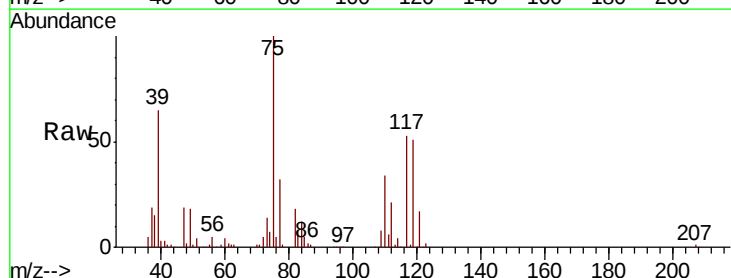


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

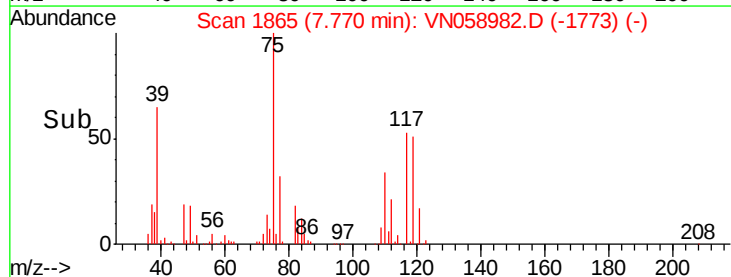
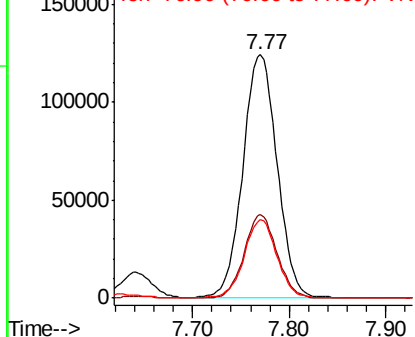


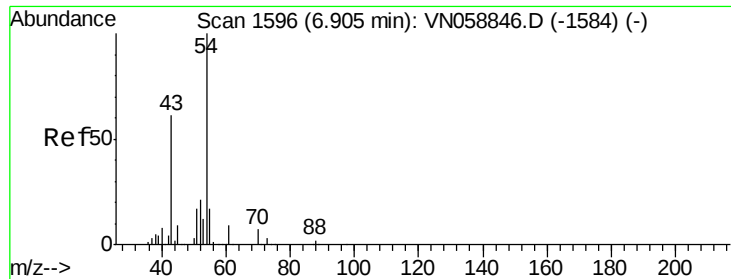
#36
 1,1-Dichloropropene
 Concen: 51.714 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN058982.D
 Acq: 25 Oct 2019 14:35

Tgt Ion: 75 Resp: 305247
 Ion Ratio Lower Upper
 75 100
 110 32.9 16.3 48.9
 77 31.0 24.6 36.8



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

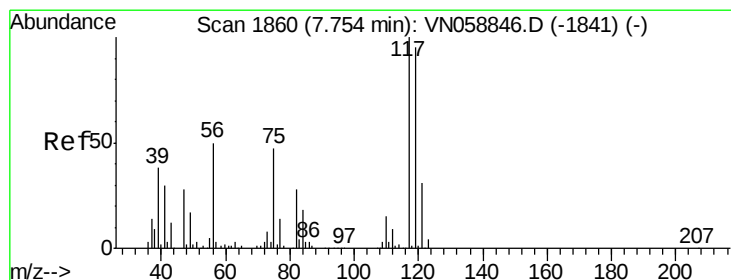
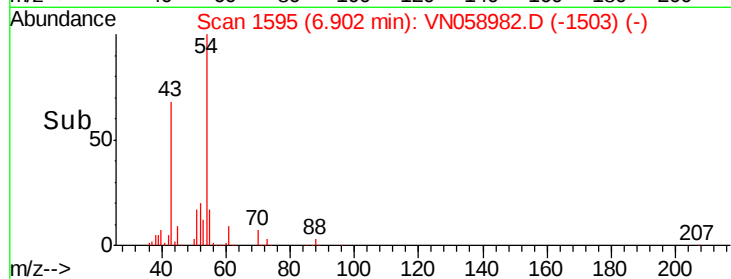
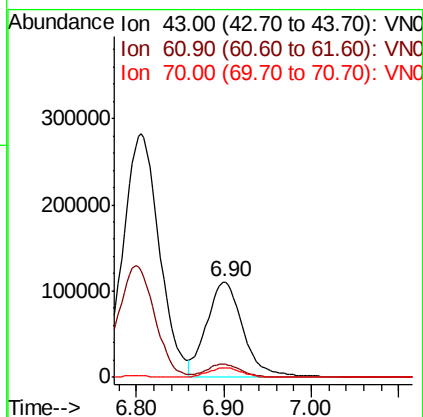
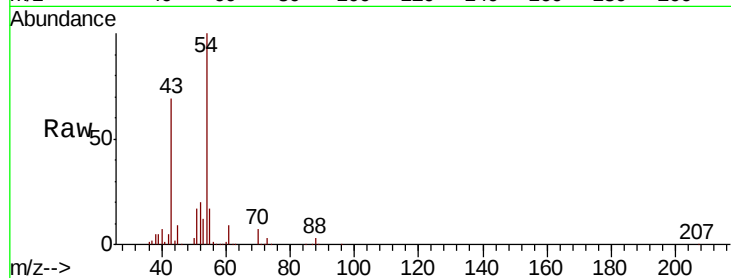




#37
Ethyl Acetate
Concen: 49.223 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

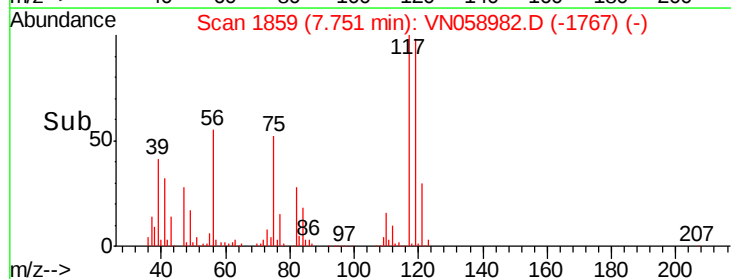
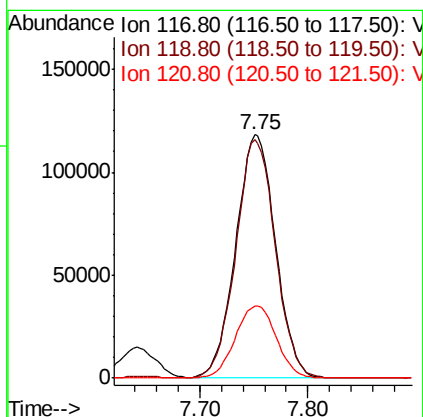
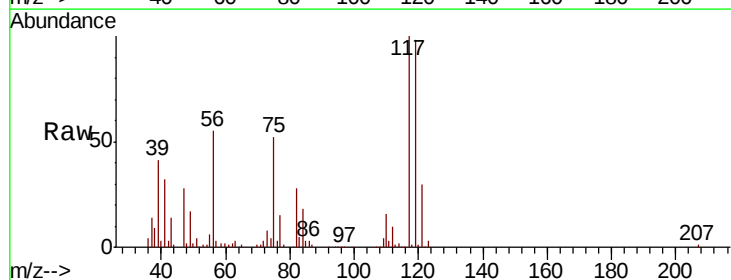
Instrument :
MSVOA_N
ClientSampleId :

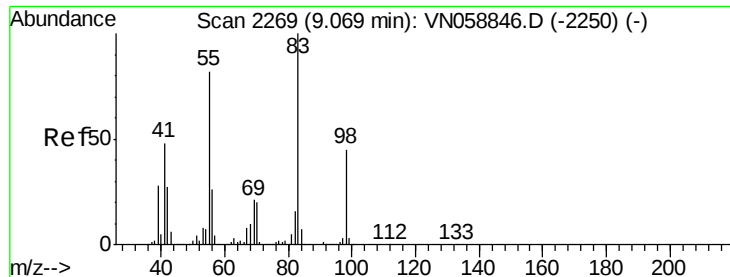
Tot Ion: 43 Resp: 316581
Ion Ratio Lower Upper
43 100
61 13.3 10.5 15.7
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.845 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion: 117 Resp: 303098
Ion Ratio Lower Upper
117 100
119 97.7 75.7 113.5
121 29.6 25.0 37.6

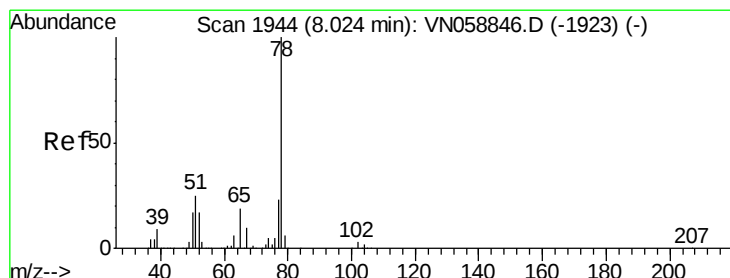
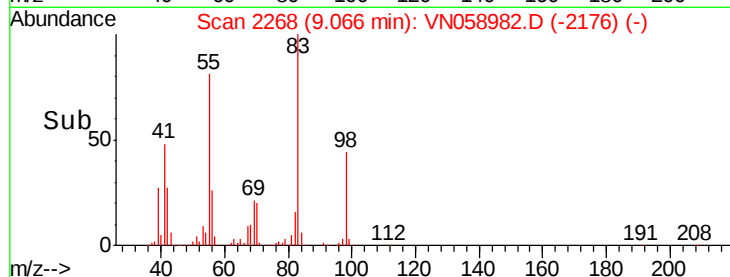
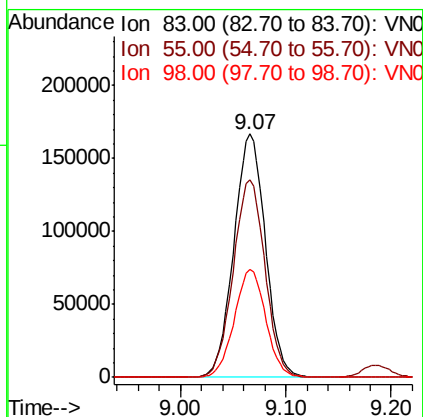
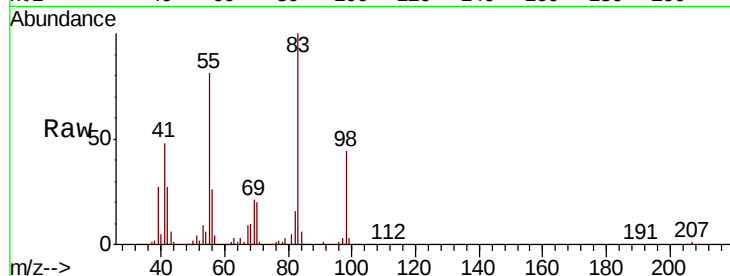




#39
Methvlcvclohexane
Concen: 52.193 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

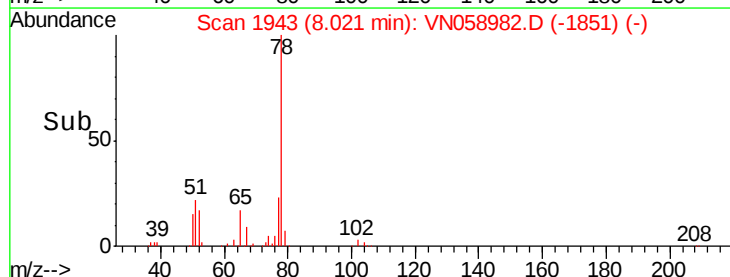
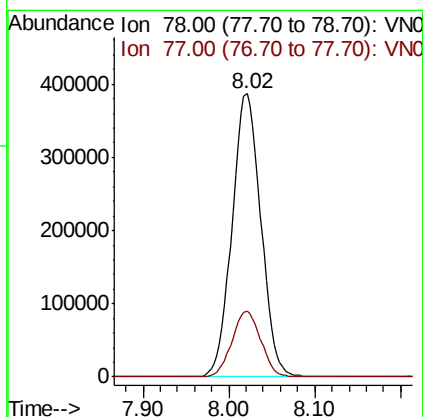
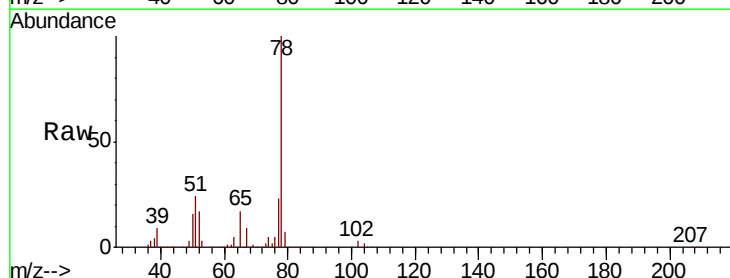
Instrument :
MSVOA_N
ClientSampleId :

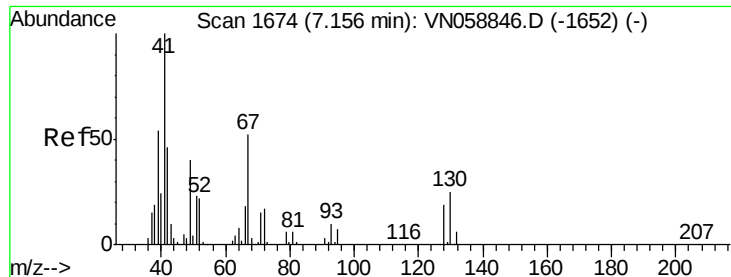
Tot Ion: 83 Resp: 345925
Ion Ratio Lower Upper
83 100
55 81.3 65.5 98.3
98 44.2 35.7 53.5



#40
Benzene
Concen: 51.902 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion: 78 Resp: 899613
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.2

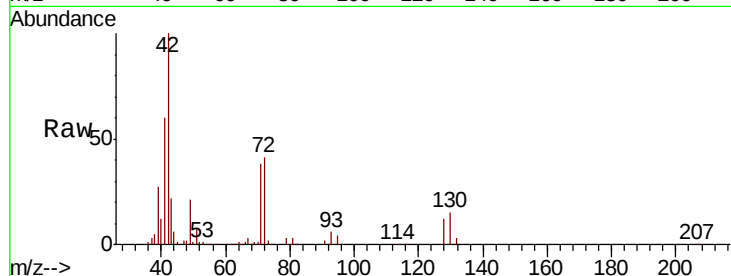




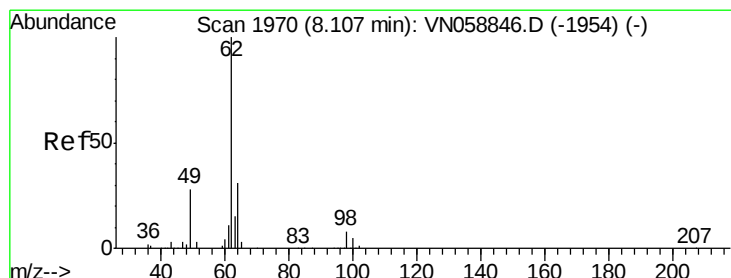
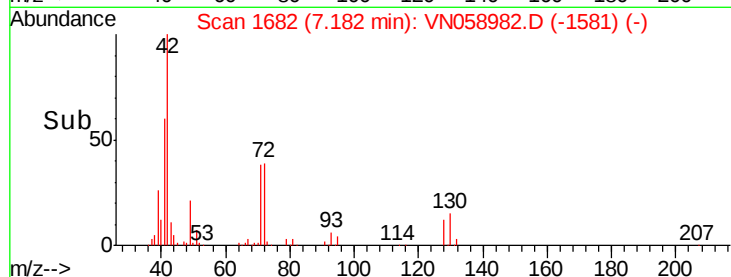
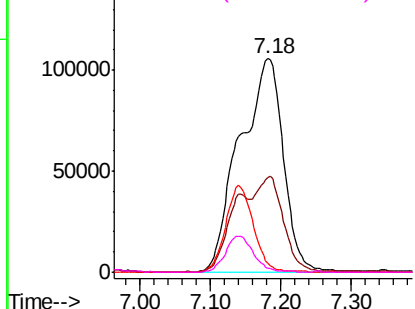
#41
Methacrylonitrile
Concen: 158.812 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	454918
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

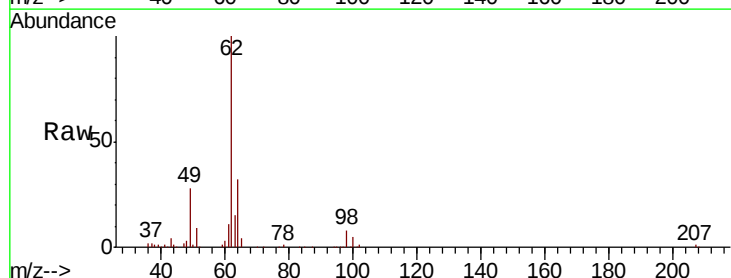


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

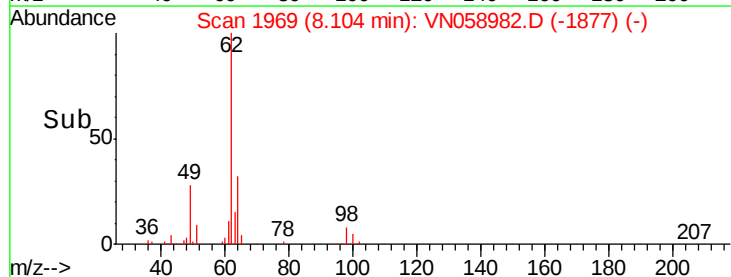
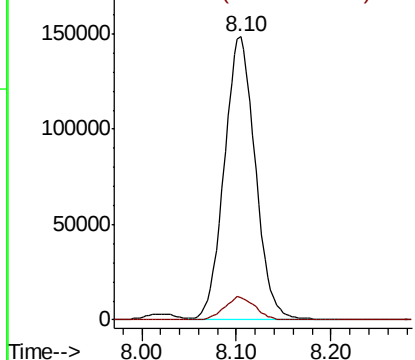


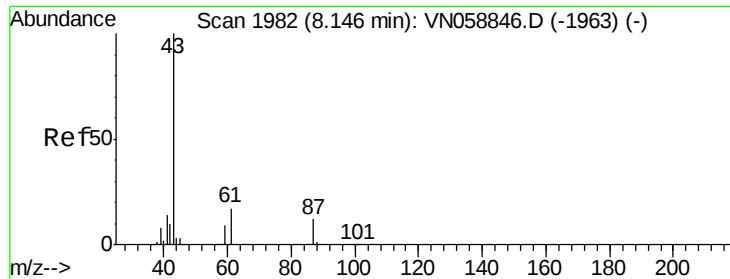
#42
1,2-Dichloroethane
Concen: 50.539 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion:	62	Resp:	337443
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2



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

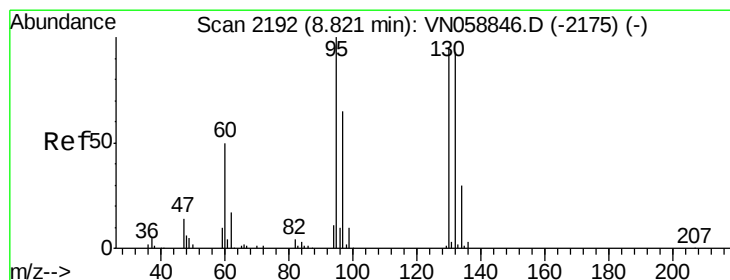
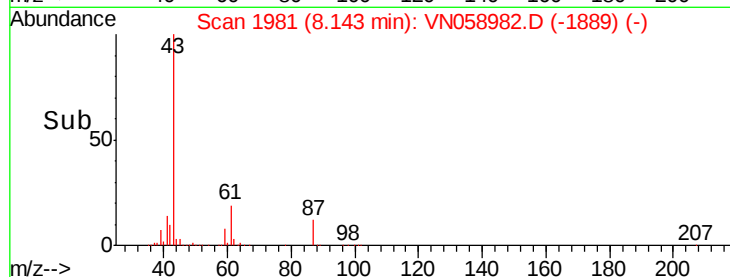
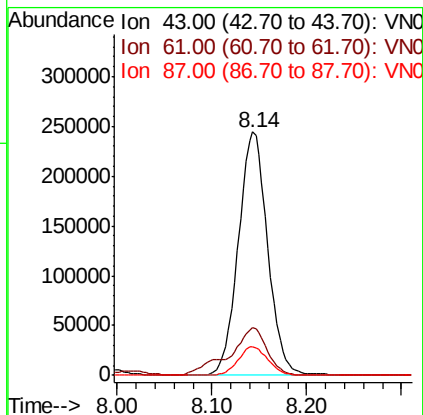
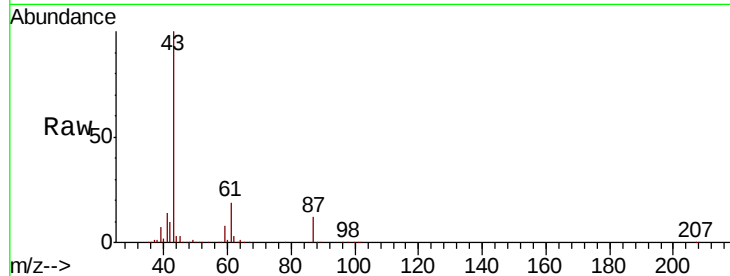




#43
Isopropyl Acetate
Concen: 50.804 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

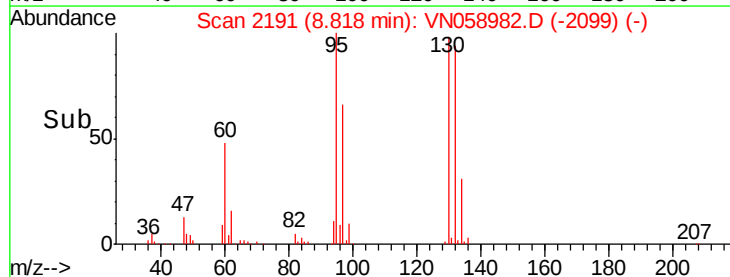
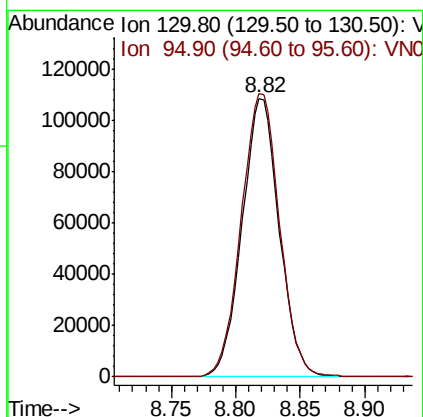
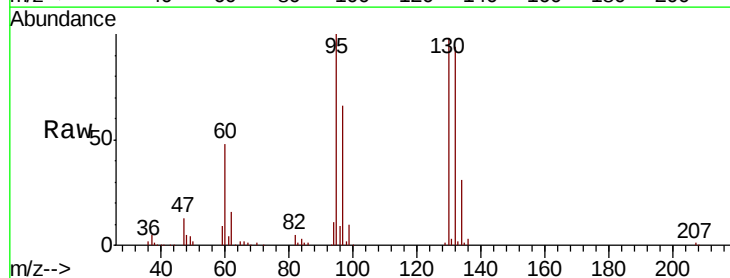
Instrument :
MSVOA_N
ClientSampled :

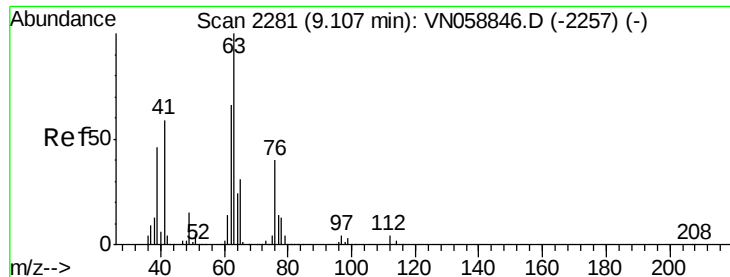
Tot Ion: 43 Resp: 524036
Ion Ratio Lower Upper
43 100
61 25.2 20.2 30.2
87 12.0 9.5 14.3



#44
Trichloroethene
Concen: 51.533 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion:130 Resp: 217587
Ion Ratio Lower Upper
130 100
95 101.6 0.0 209.6





#45

1,2-Dichloropropane

Concen: 52.590 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

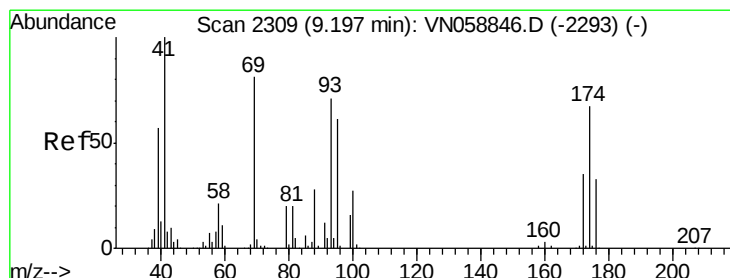
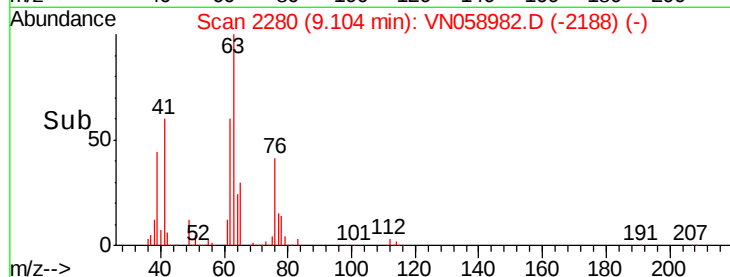
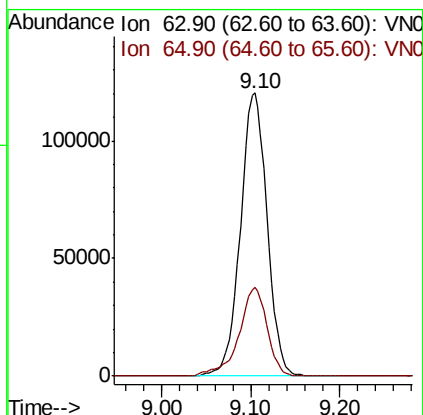
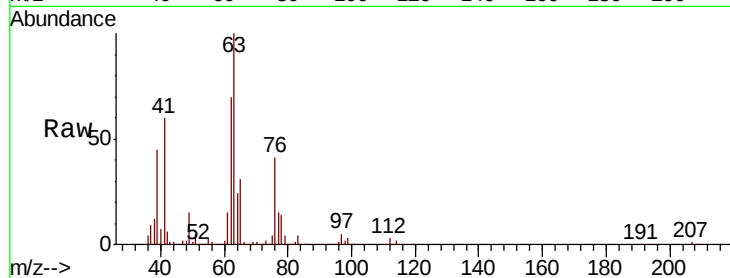
ClientSampled :

Tot Ion: 63 Resp: 249958

Ion Ratio Lower Upper

63 100

65 31.2 24.5 36.7



#46

Dibromomethane

Concen: 51.379 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

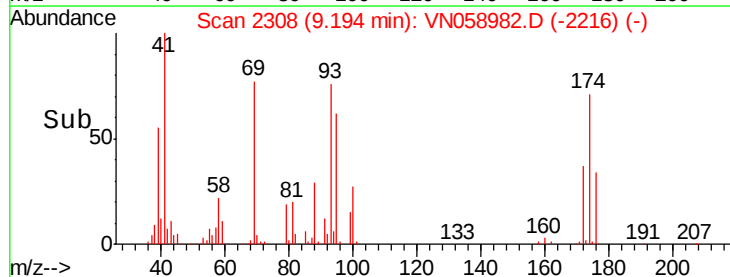
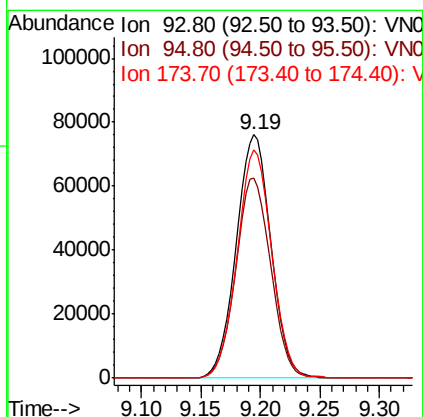
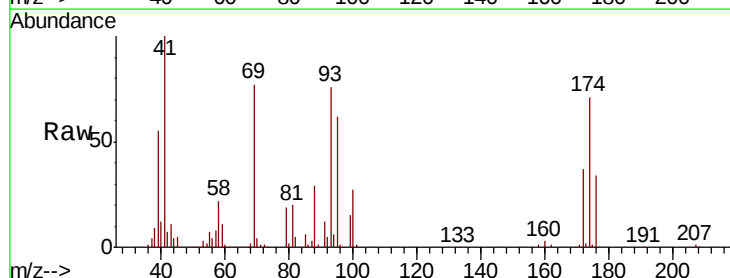
Tgt Ion: 93 Resp: 154378

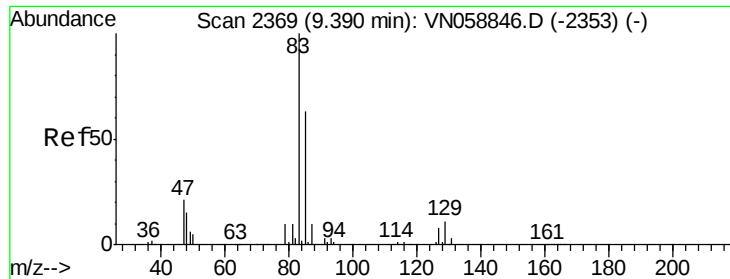
Ion Ratio Lower Upper

93 100

95 82.5 67.6 101.4

174 93.0 74.1 111.1

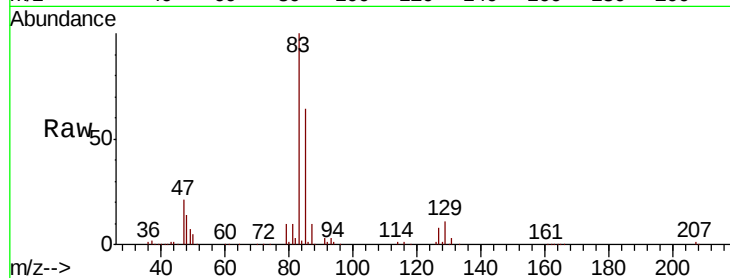




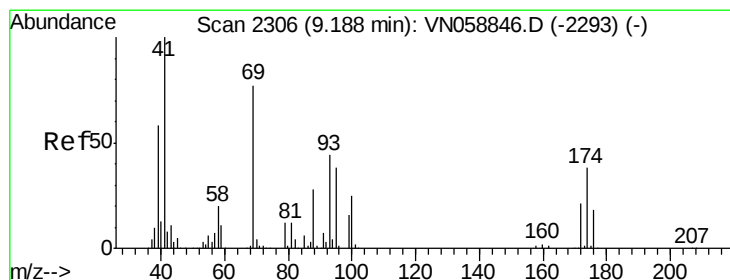
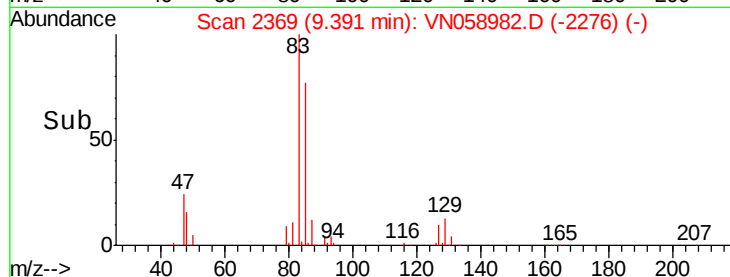
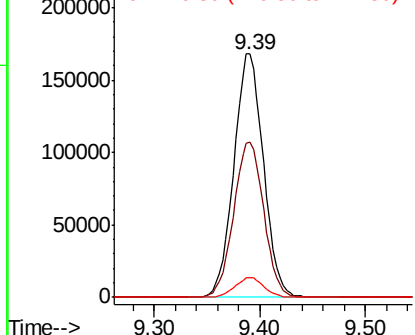
#47
Bromodichloromethane
Concen: 52.684 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 326266
Ion Ratio Lower Upper
83 100
85 63.8 50.6 75.8
127 8.3 6.5 9.7

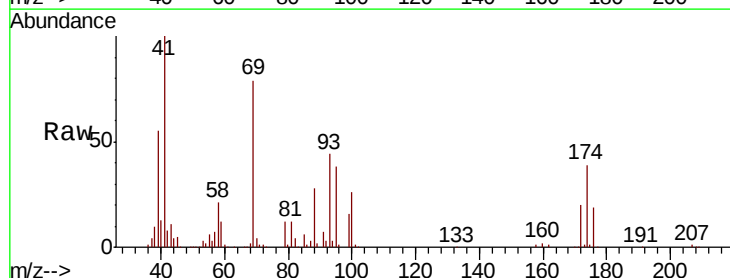


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

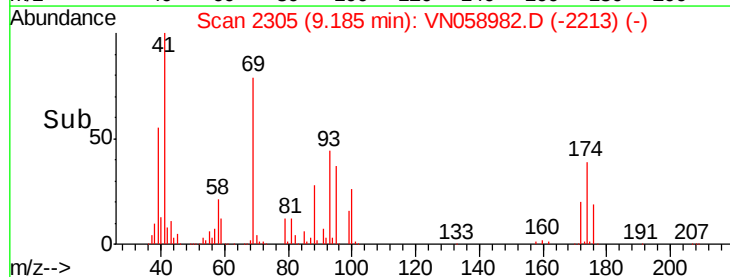
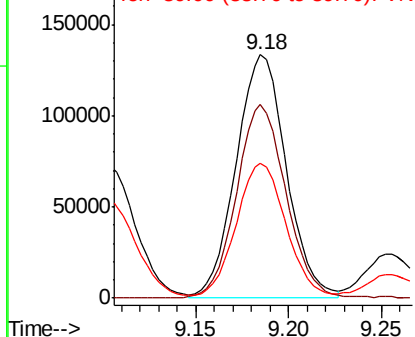


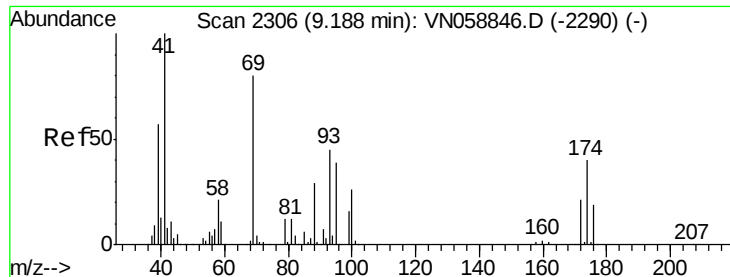
#48
Methyl methacrylate
Concen: 53.505 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion: 41 Resp: 250395
Ion Ratio Lower Upper
41 100
69 78.9 63.8 95.6
39 55.1 47.8 71.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

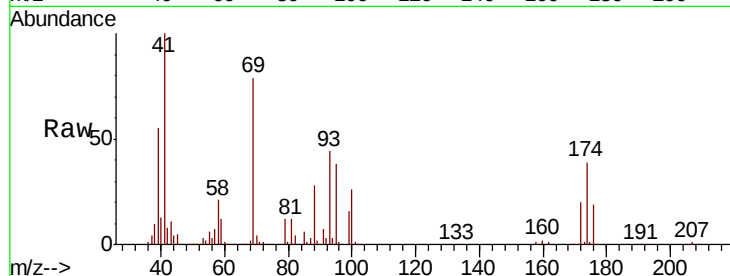




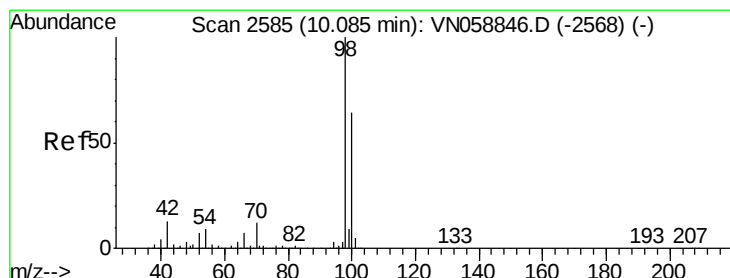
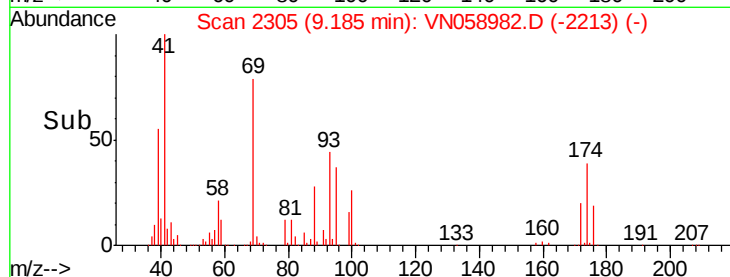
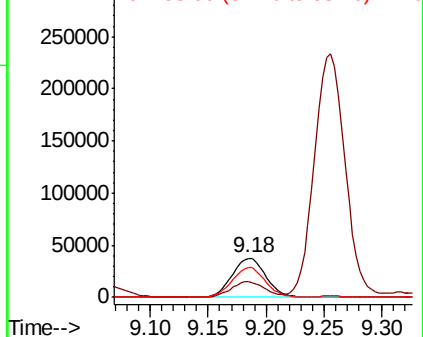
#49
 1,4-Dioxane
 Concen: 1003.598 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN058982.D
 Acq: 25 Oct 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 77100
 Ion Ratio Lower Upper
 88 100
 43 36.8 29.1 43.7
 58 73.4 59.4 89.0

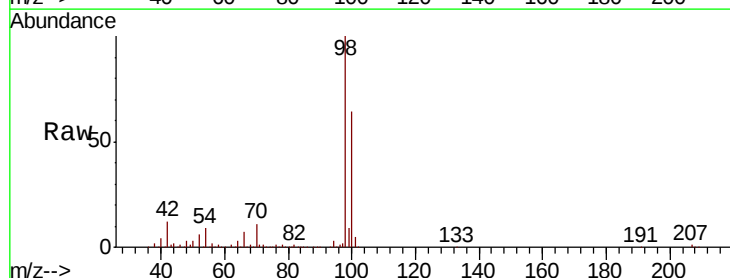


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

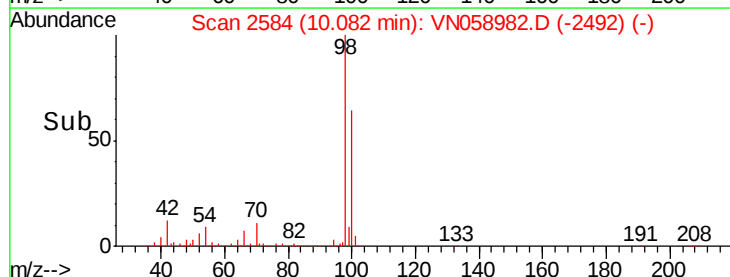
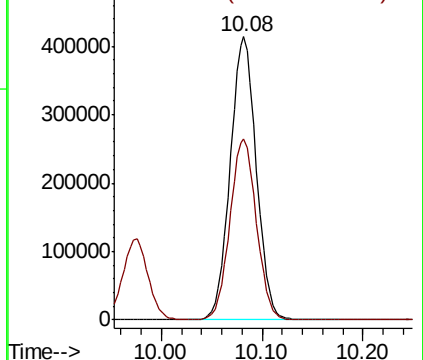


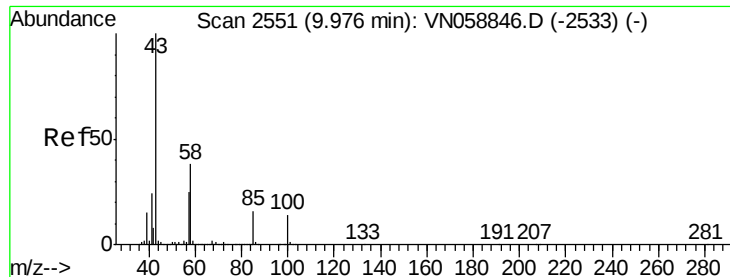
#50
 Toluene-d8
 Concen: 50.645 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: VN058982.D
 Acq: 25 Oct 2019 14:35

Tgt Ion: 98 Resp: 745230
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.4 77.2



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





#51

4-Methyl-2-Pentanone

Concen: 268.476 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

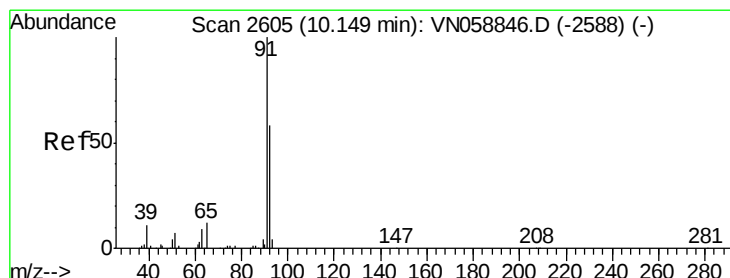
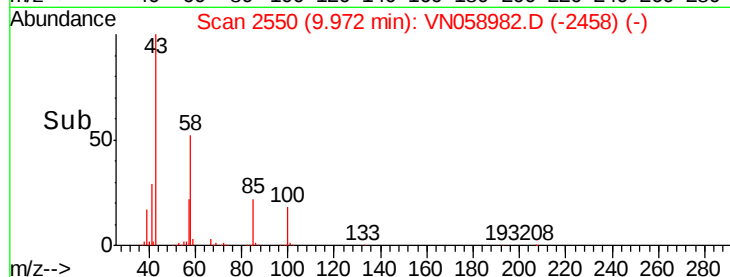
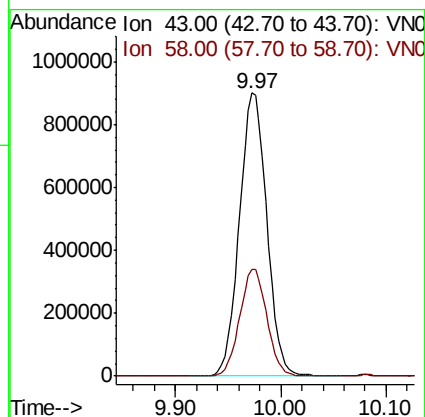
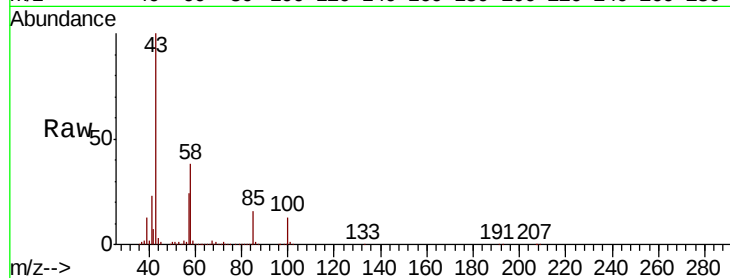
ClientSampled :

Tot Ion: 43 Resp: 1617523

Ion Ratio Lower Upper

43 100

58 37.6 29.9 44.9



#52

Toluene

Concen: 54.969 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058982.D

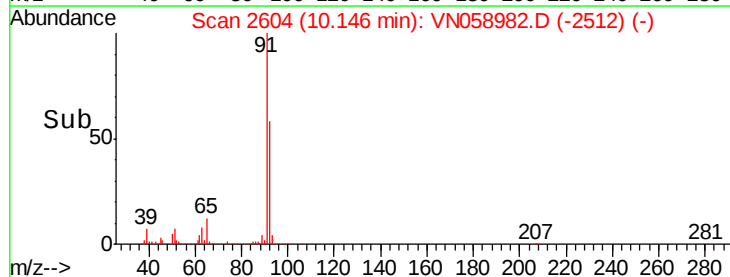
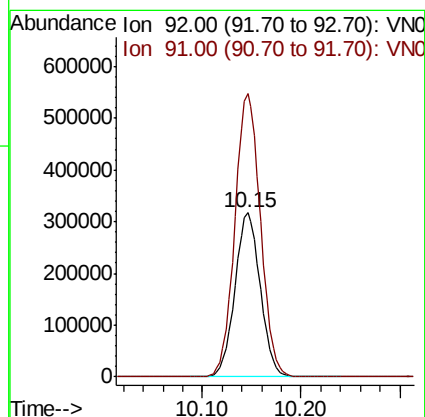
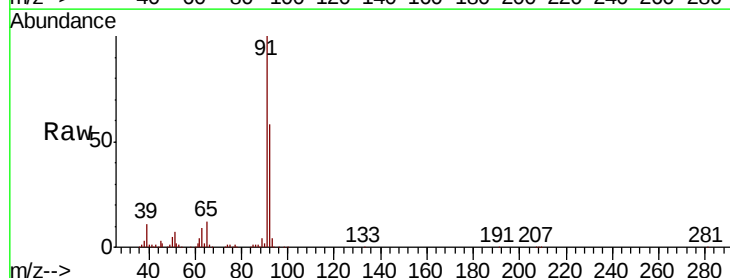
Acq: 25 Oct 2019 14:35

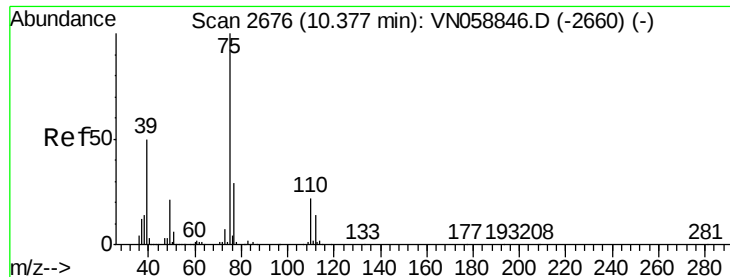
Tgt Ion: 92 Resp: 565005

Ion Ratio Lower Upper

92 100

91 174.7 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 55.556 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

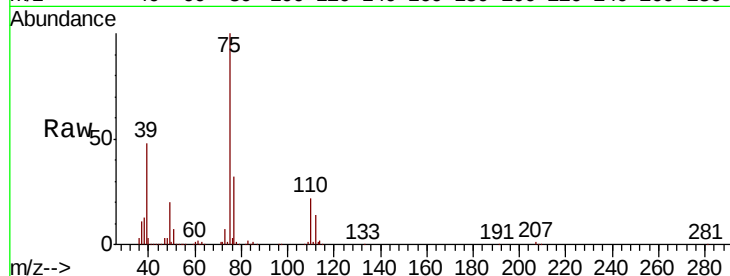
ClientSampleId :

Tot Ion: 75 Resp: 380868

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

250000

200000

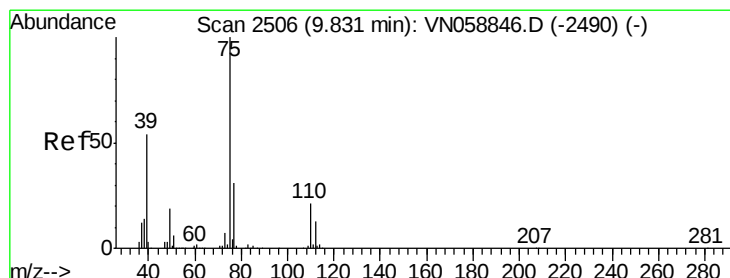
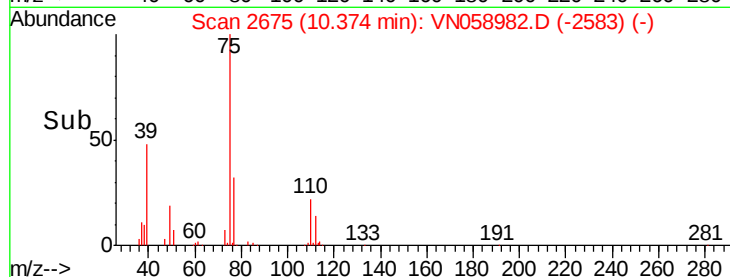
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.771 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

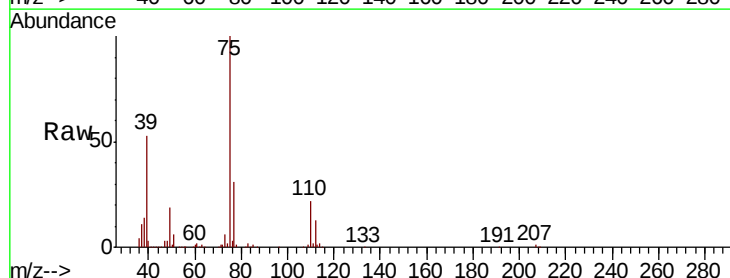
Tgt Ion: 75 Resp: 401165

Ion Ratio Lower Upper

75 100

77 31.2 24.7 37.1

39 52.5 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

300000

250000

200000

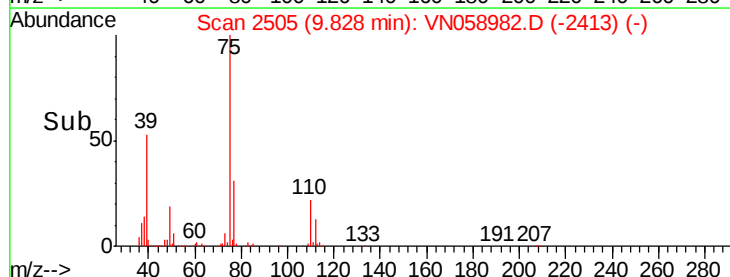
150000

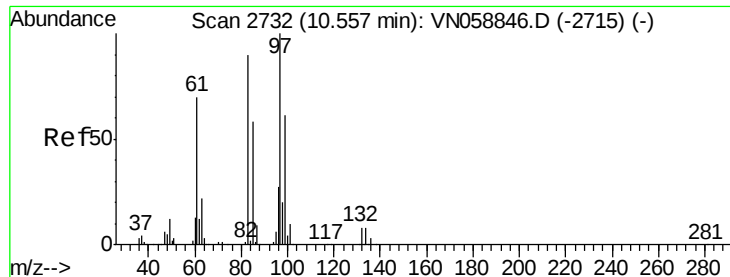
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.775 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

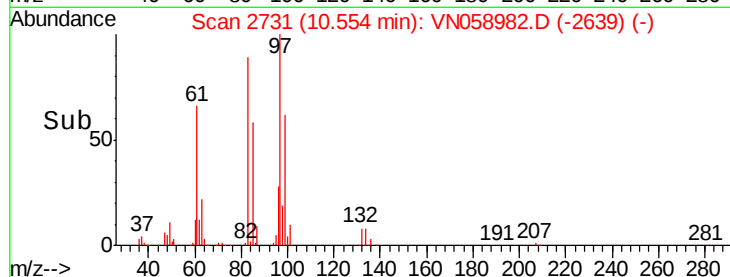
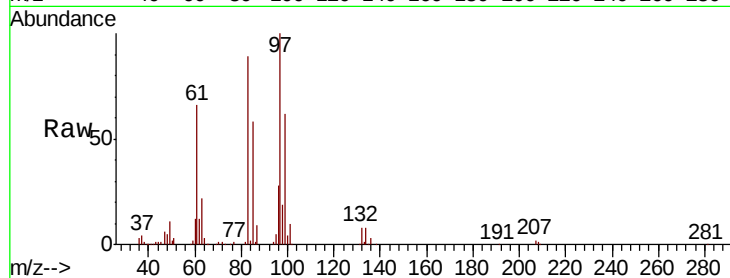
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 223468

Ion	Ratio	Lower	Upper
97	100		
83	89.1	72.2	108.4
85	57.5	46.2	69.2
99	61.6	48.7	73.1



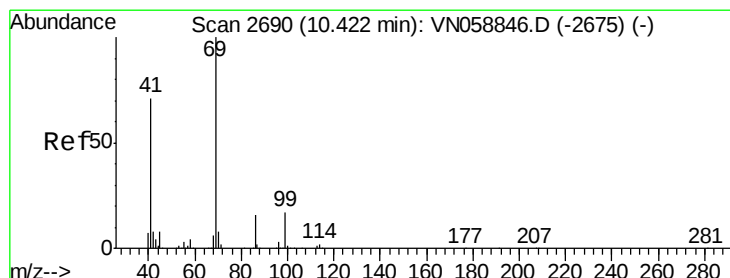
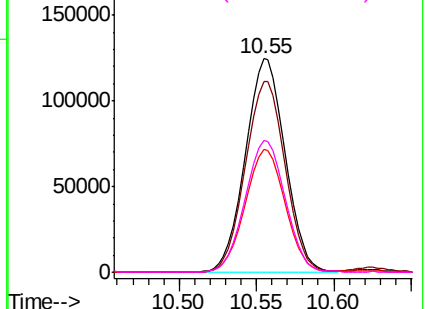
Abundance

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: 49.547 ug/l

RT: 10.42 min Scan# 2690

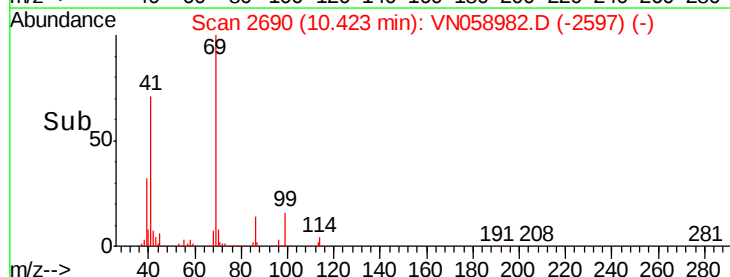
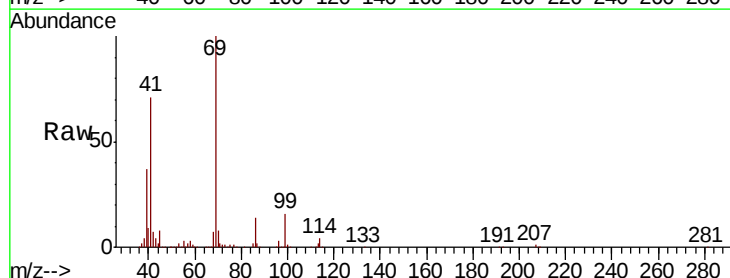
Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Tgt Ion: 69 Resp: 352277

Ion	Ratio	Lower	Upper
69	100		
41	70.9	57.2	85.8
39	37.0	31.0	46.4

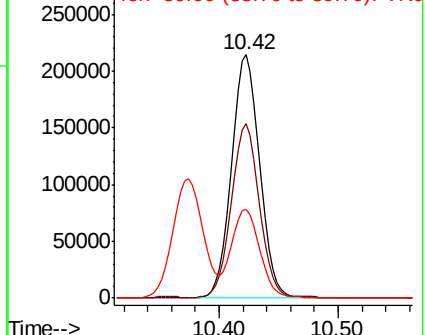


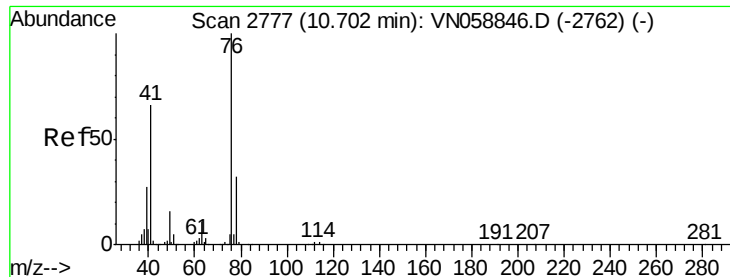
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.916 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

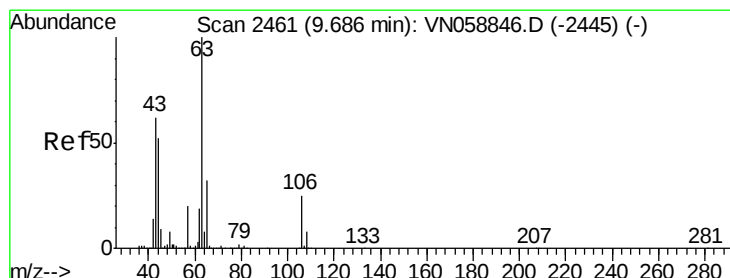
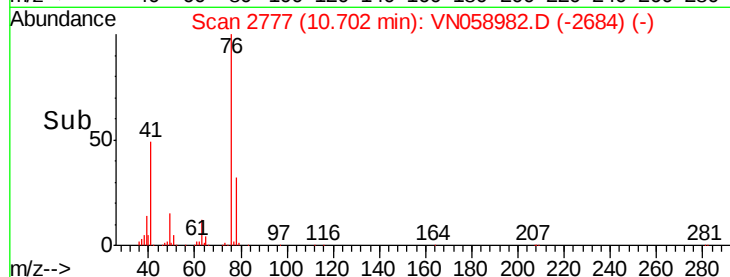
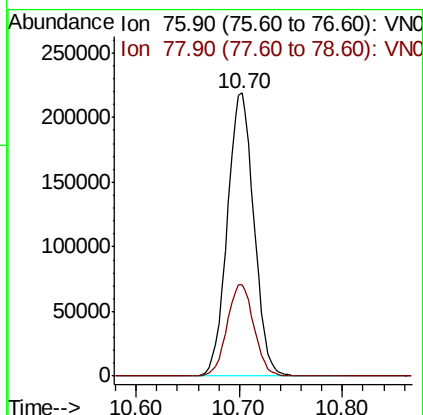
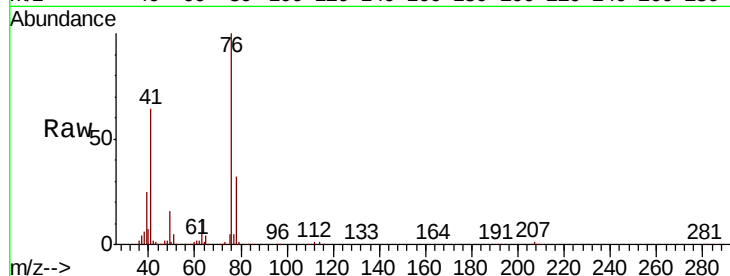
ClientSampleId :

Tot Ion: 76 Resp: 393256

Ion Ratio Lower Upper

76 100

78 32.7 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 252.299 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN058982.D

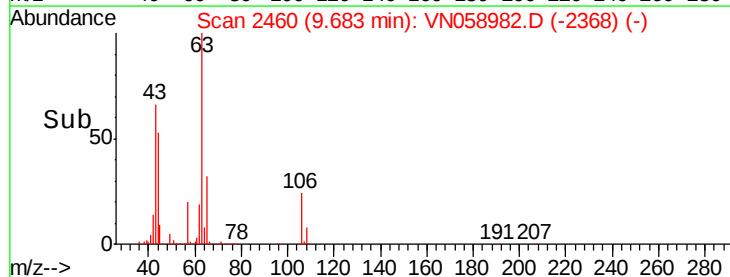
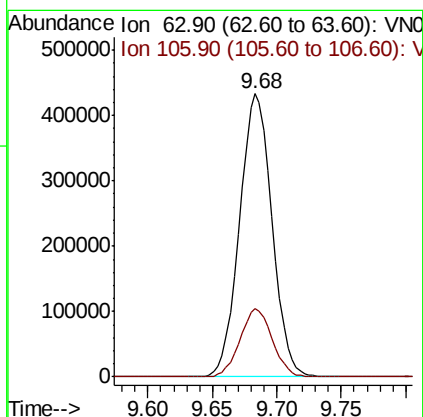
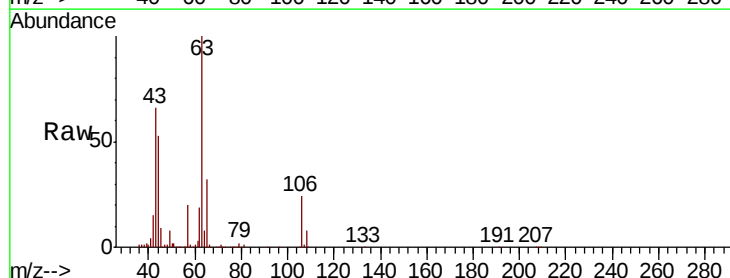
Acq: 25 Oct 2019 14:35

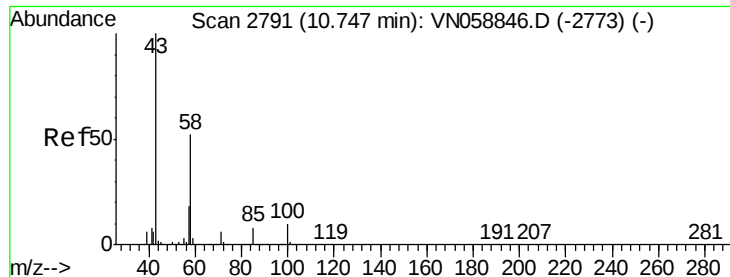
Tgt Ion: 63 Resp: 757947

Ion Ratio Lower Upper

63 100

106 24.1 19.8 29.8

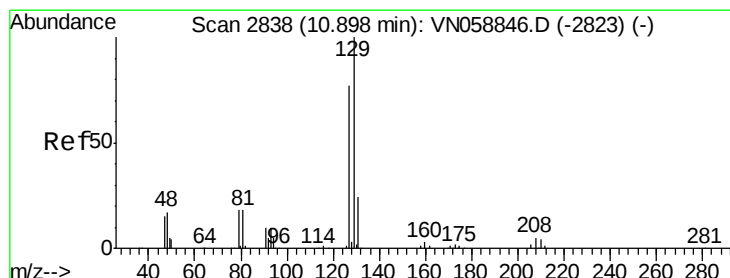
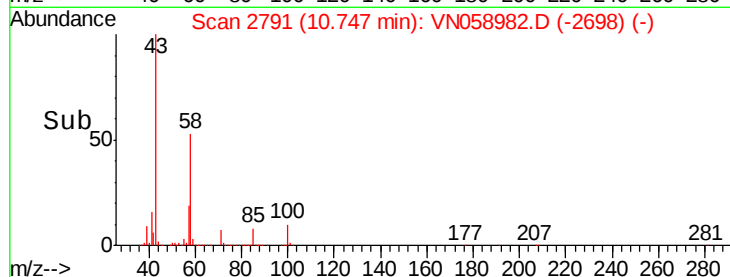
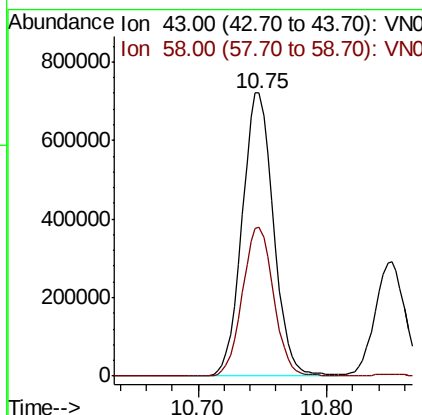
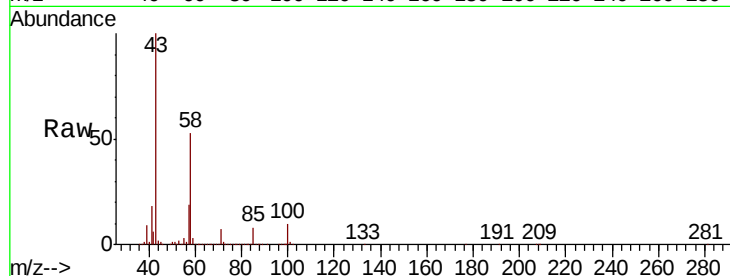




#59
2-Hexanone
Concen: 261.574 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

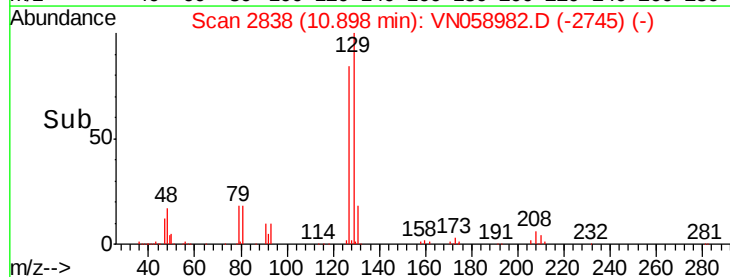
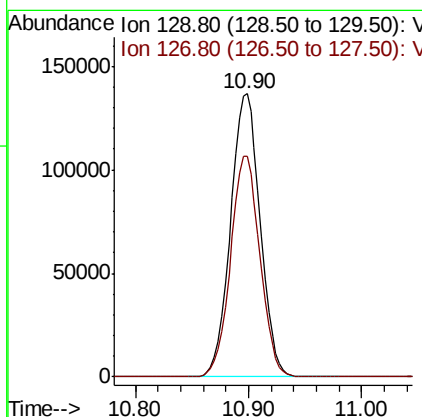
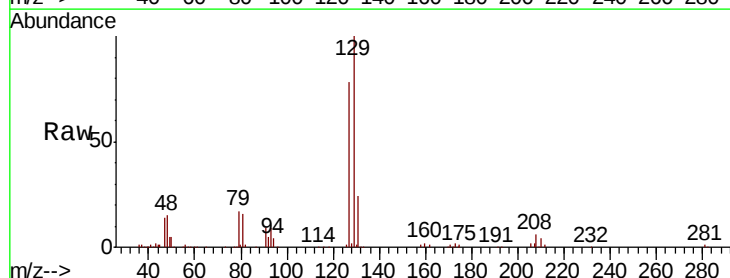
Instrument :
MSVOA_N
ClientSampled :

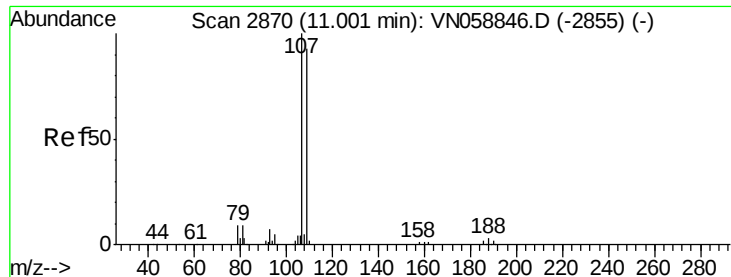
Tot Ion: 43 Resp: 1217784
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.7



#60
Dibromochloromethane
Concen: 54.495 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion: 129 Resp: 248372
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3

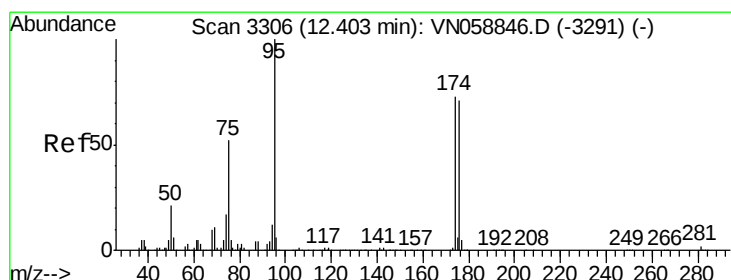
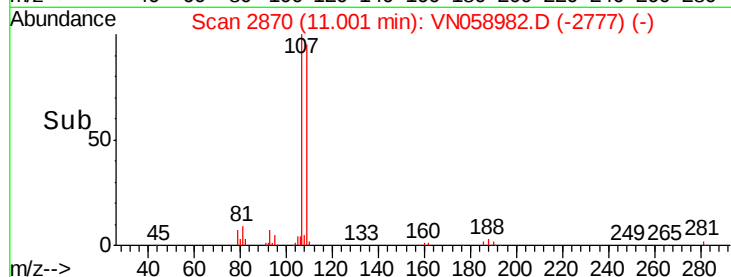
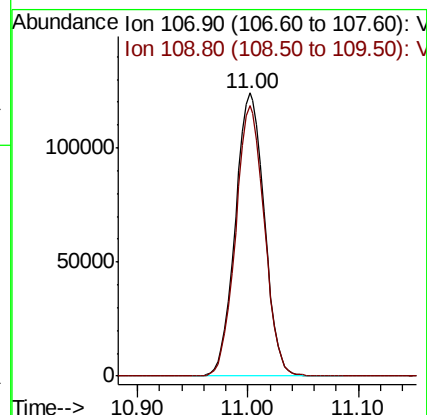
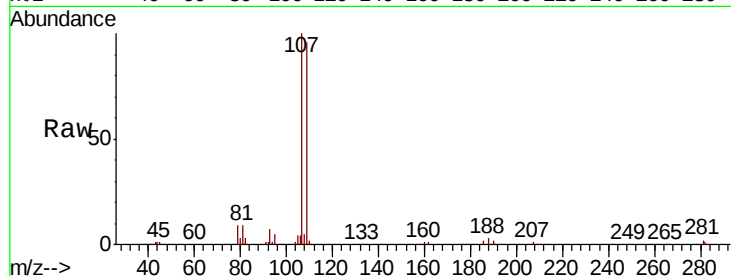




#61
 1,2-Dibromoethane
 Concen: 52.273 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058982.D
 Acq: 25 Oct 2019 14:35

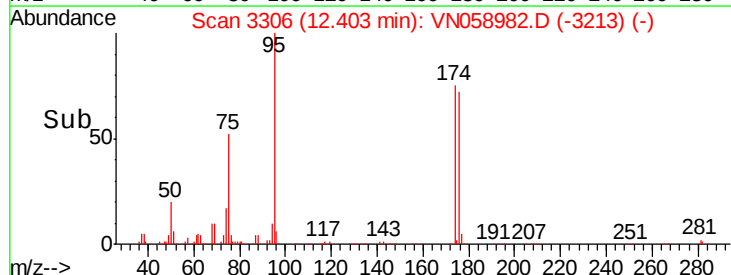
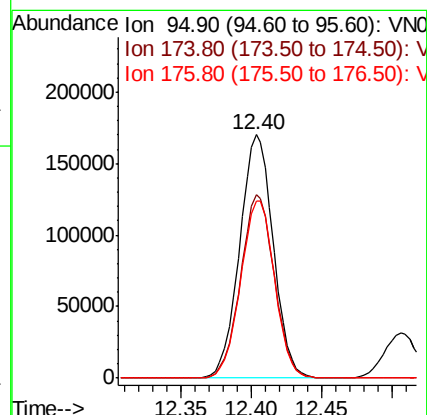
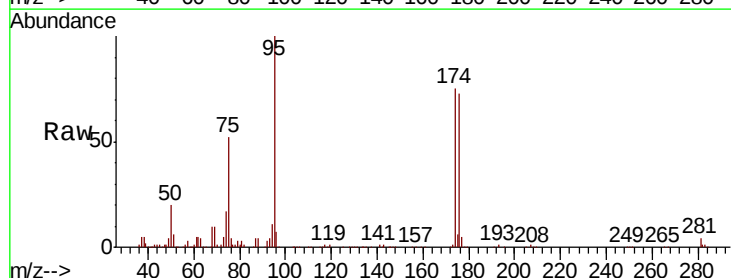
Instrument :
 MSVOA_N
 ClientSampled :

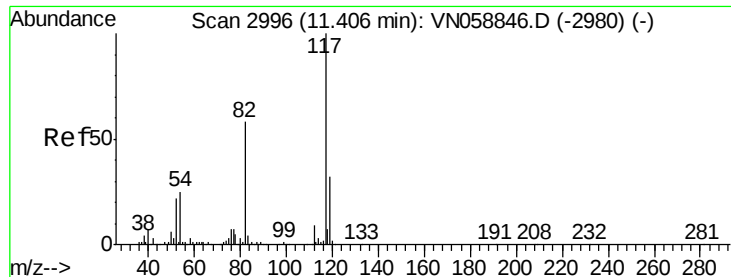
Tot Ion: 107 Resp: 226517
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 52.529 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058982.D
 Acq: 25 Oct 2019 14:35

Tgt Ion: 95 Resp: 283848
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 147.6
 176 73.8 0.0 143.2

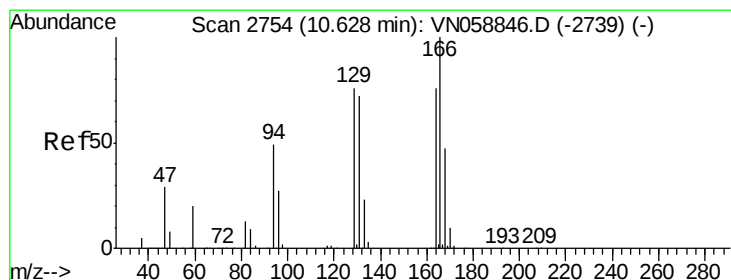
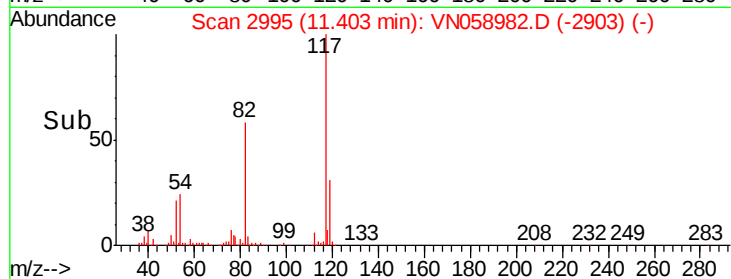
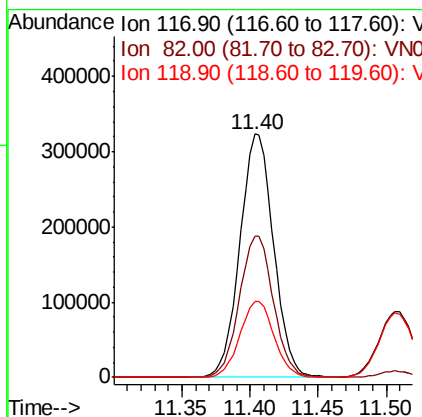
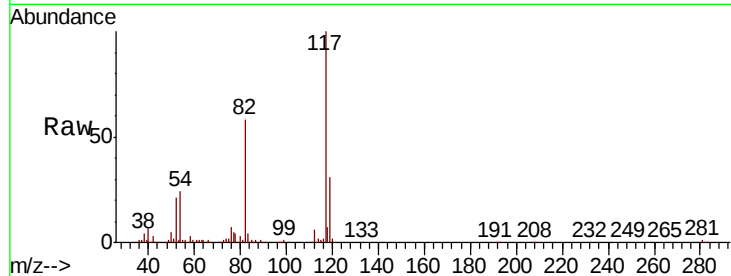




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

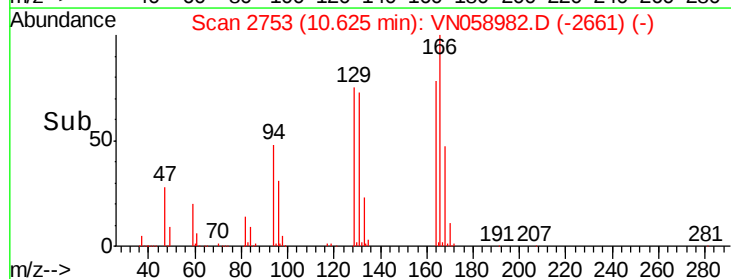
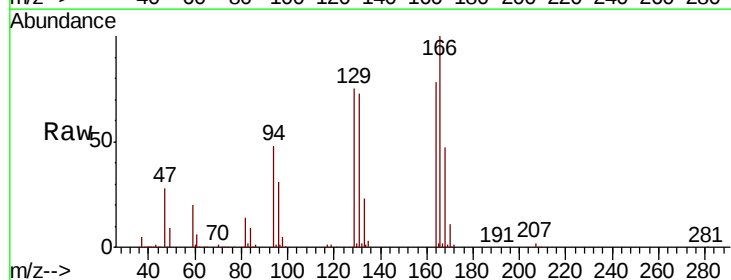
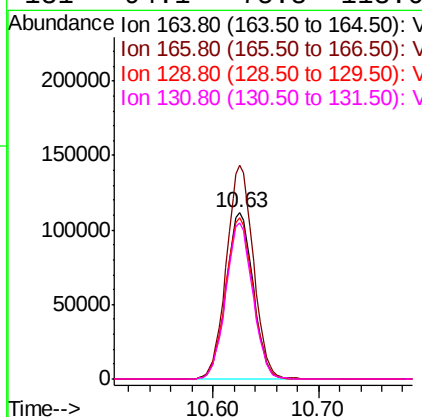
Instrument :
MSVOA_N
ClientSampleId :

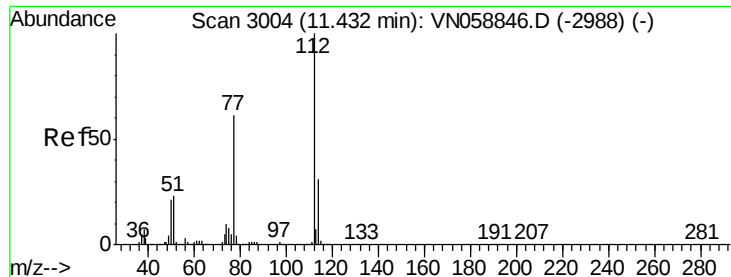
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.6	69.8
119	30.9	25.6	38.4



#64
Tetrachloroethene
Concen: 51.146 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	104.8	157.2
129	96.8	79.3	118.9
131	94.1	75.8	113.6

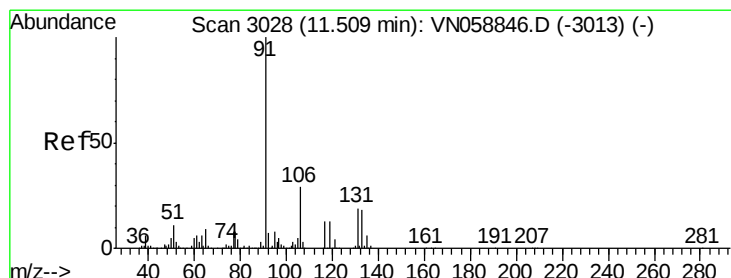
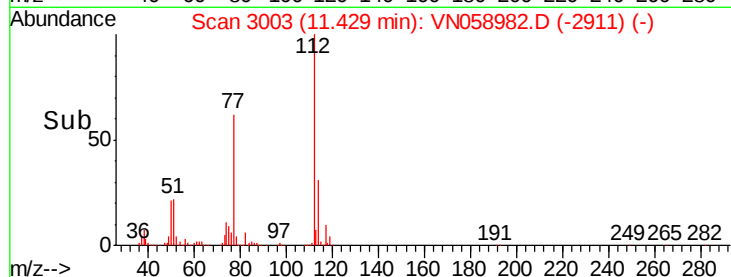
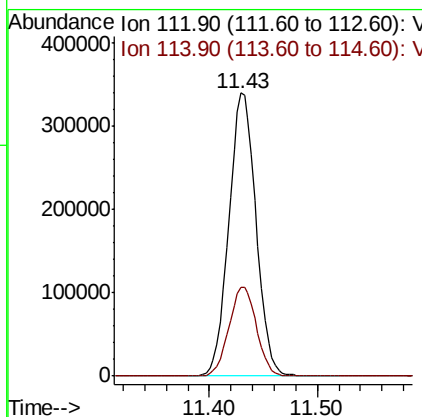
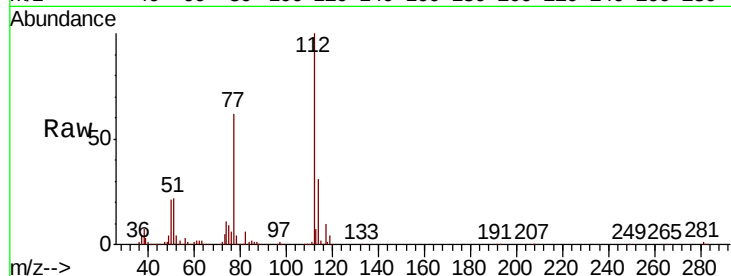




#65
Chlorobenzene
Concen: 52.785 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

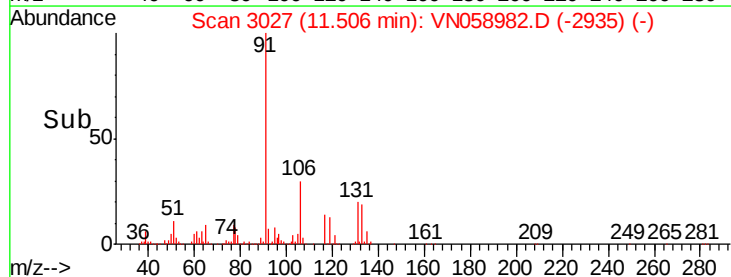
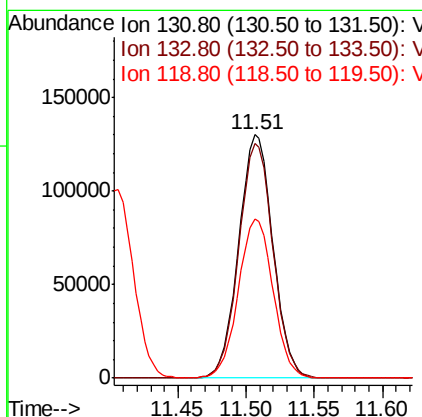
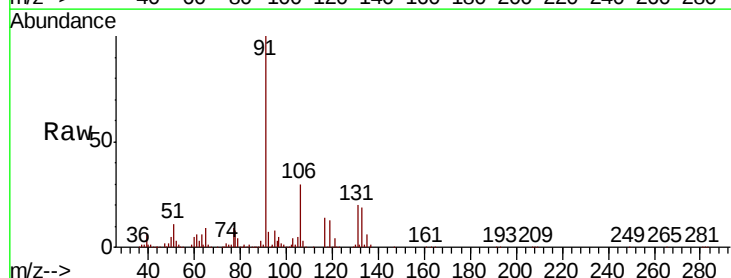
Instrument :
MSVOA_N
ClientSampleId :

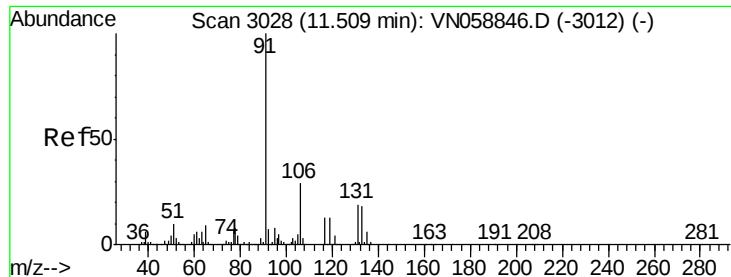
Tot Ion:112 Resp: 596628
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.147 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion:131 Resp: 226685
Ion Ratio Lower Upper
131 100
133 96.3 48.4 145.2
119 66.3 33.6 100.8





#67

Ethyl Benzene

Concen: 55.935 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

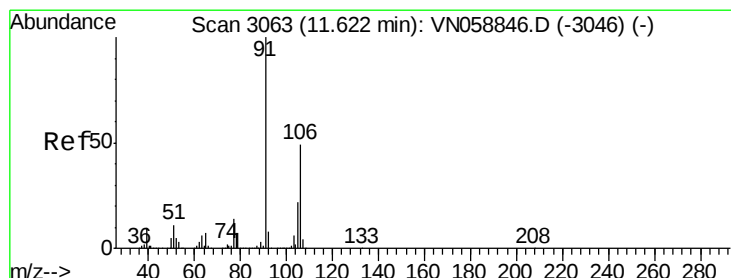
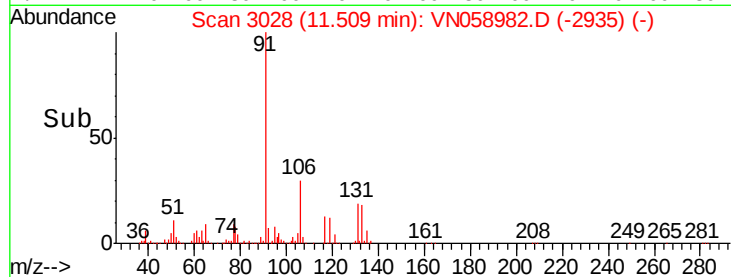
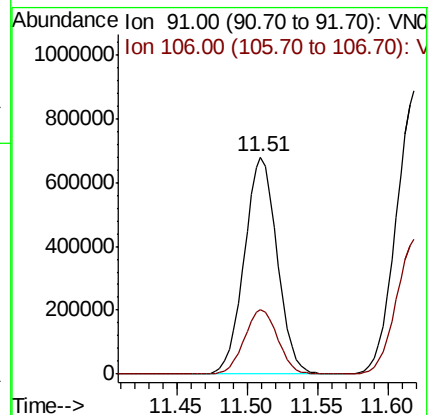
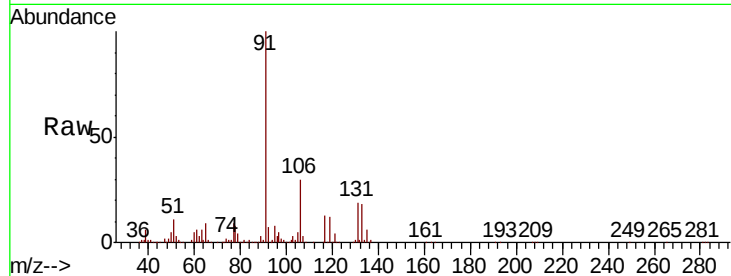
ClientSampleId :

Tot Ion: 91 Resp: 1109080

Ion Ratio Lower Upper

91 100

106 29.9 23.4 35.0



#68

m/p-Xylenes

Concen: 111.415 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058982.D

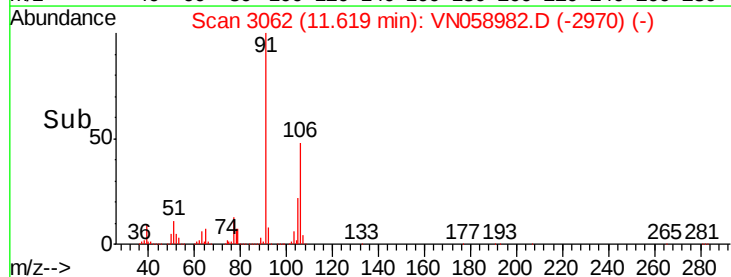
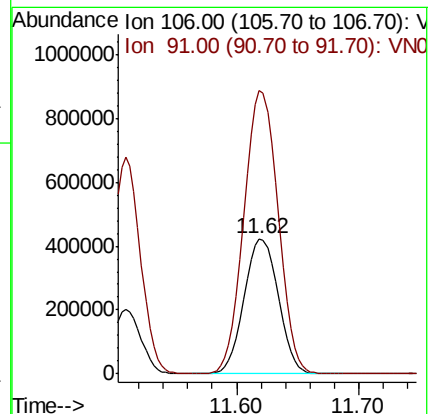
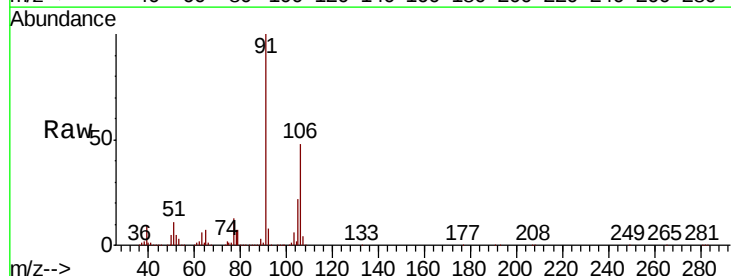
Acq: 25 Oct 2019 14:35

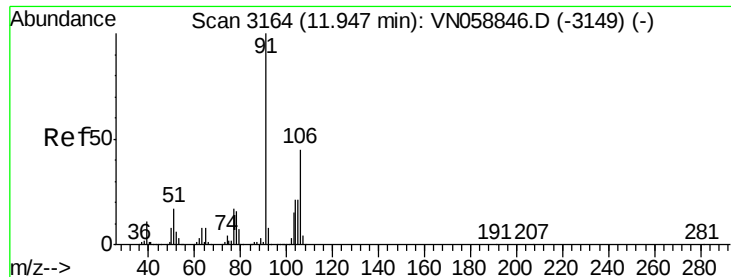
Tgt Ion: 106 Resp: 819249

Ion Ratio Lower Upper

106 100

91 209.1 166.6 249.8

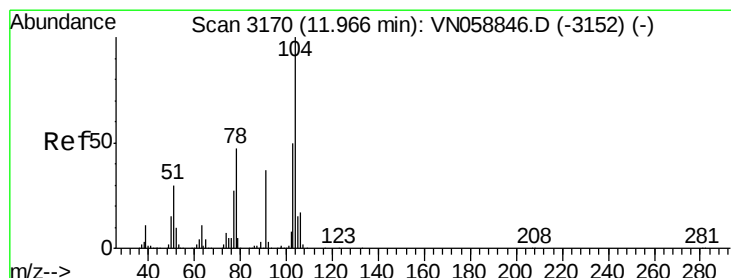
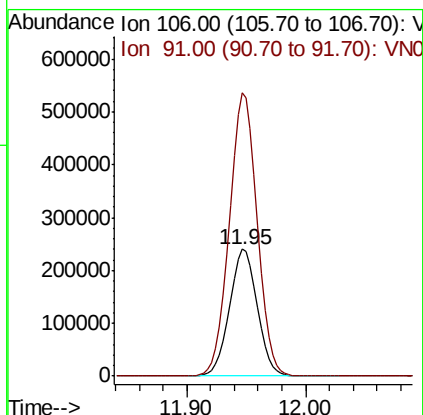
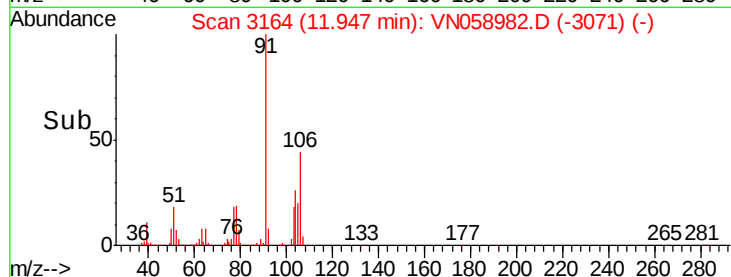
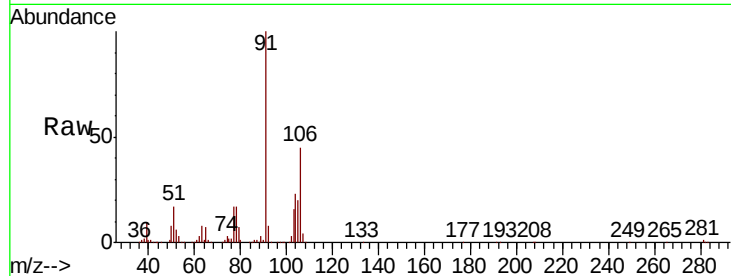




#69
o-Xylene
Concen: 55.324 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

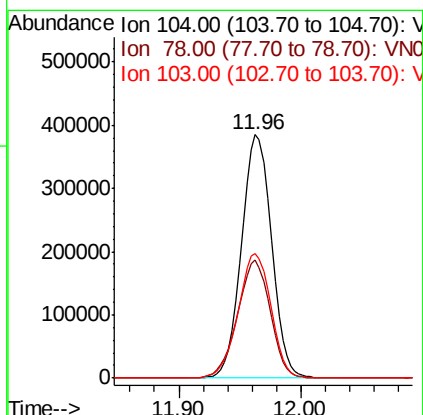
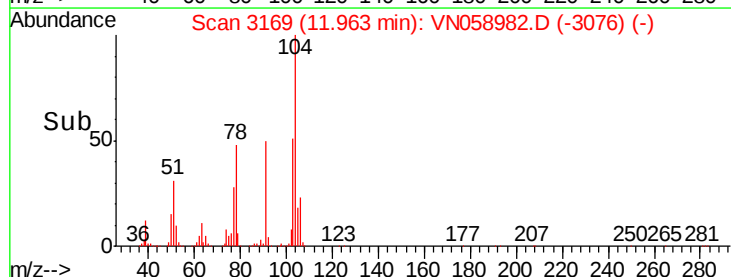
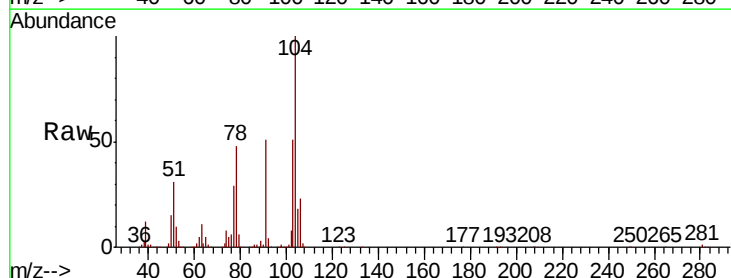
Instrument :
MSVOA_N
ClientSampled :

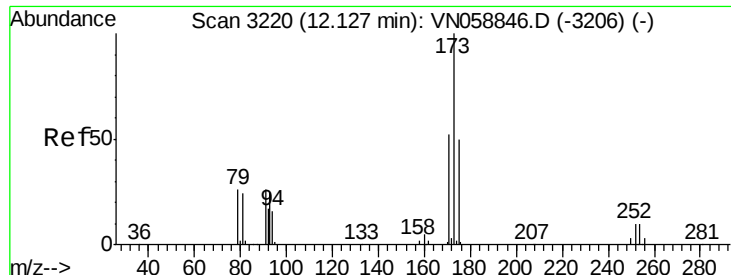
Tot Ion:106 Resp: 387983
Ion Ratio Lower Upper
106 100
91 223.2 111.5 334.4



#70
Styrene
Concen: 50.498 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion:104 Resp: 653925
Ion Ratio Lower Upper
104 100
78 52.9 42.8 64.2
103 56.0 44.3 66.5

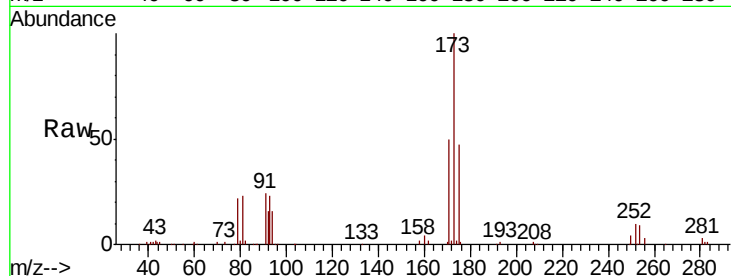




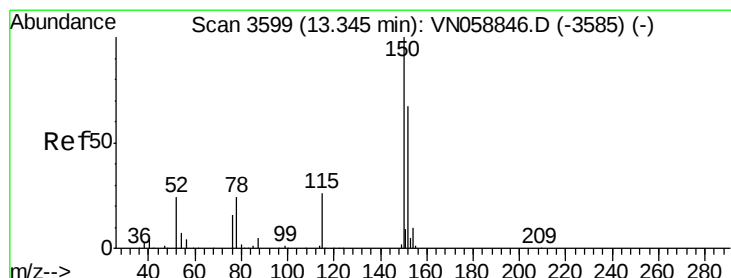
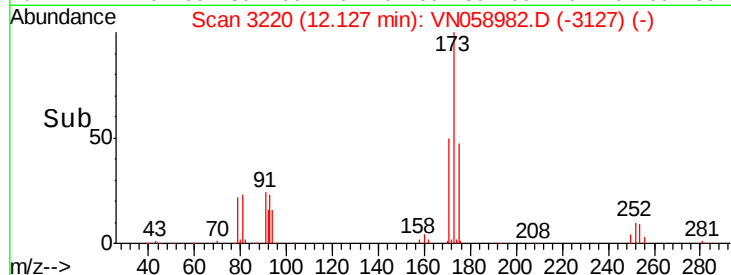
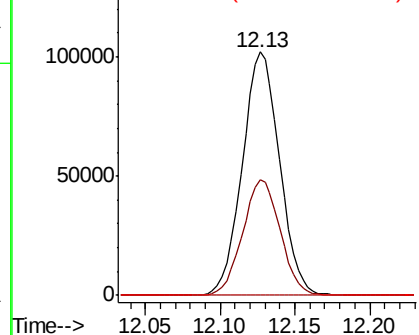
#71
Bromoform
Concen: 53.486 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 176902
Ion Ratio Lower Upper
173 100
175 47.8 24.7 74.1
254 0.0 0.0 0.0#

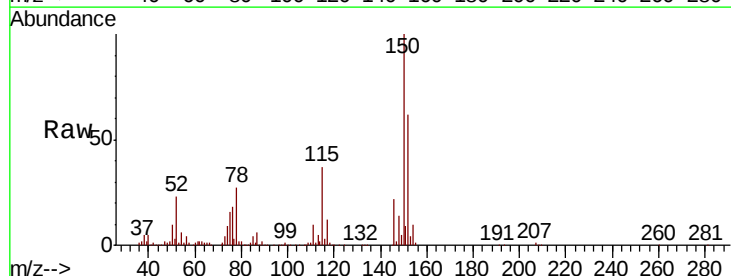


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

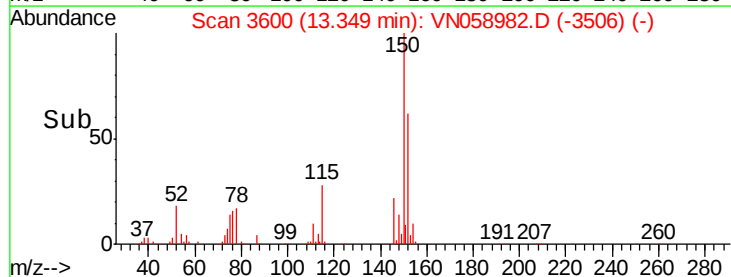
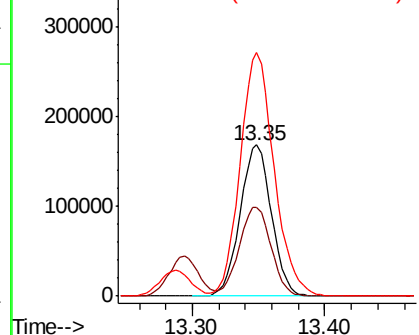


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion:152 Resp: 275128
Ion Ratio Lower Upper
152 100
115 59.8 30.5 91.5
150 174.8 0.0 344.4



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





#73

Isopropylbenzene

Concen: 53.543 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

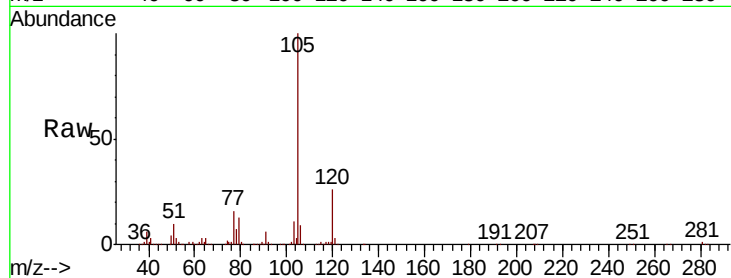
ClientSampleId :

Tot Ion:105 Resp: 1076574

Ion Ratio Lower Upper

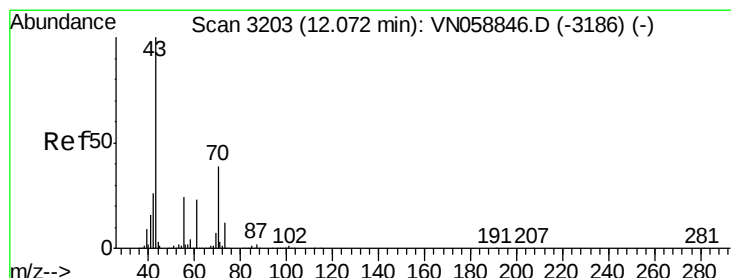
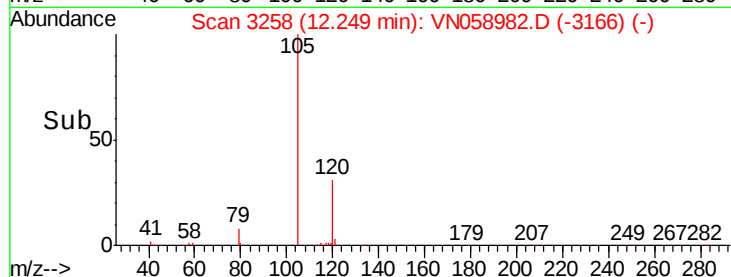
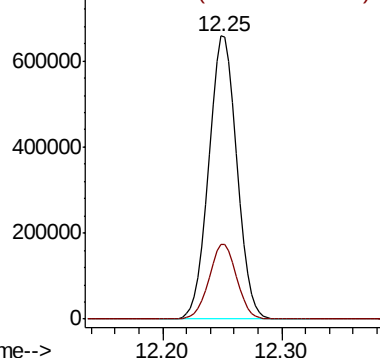
105 100

120 25.9 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.484 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Tgt Ion: 43 Resp: 469303

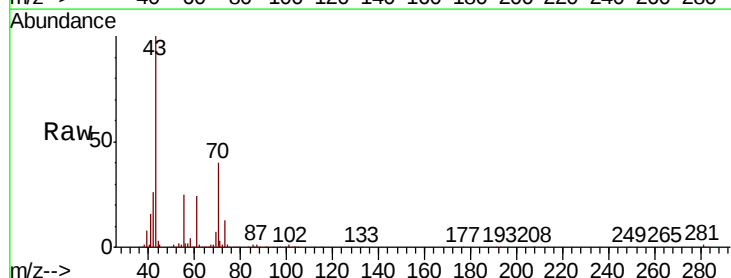
Ion Ratio Lower Upper

43 100

70 39.8 30.9 46.3

55 25.5 19.7 29.5

61 23.4 18.2 27.4

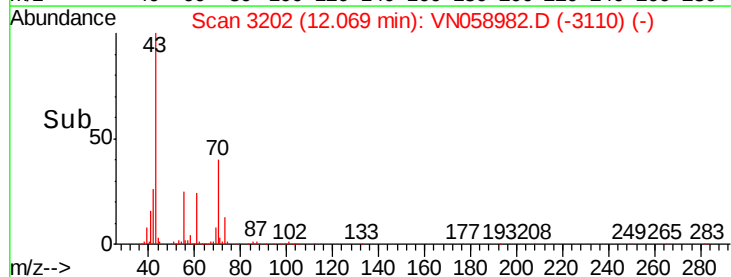
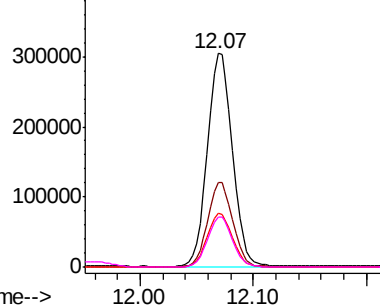


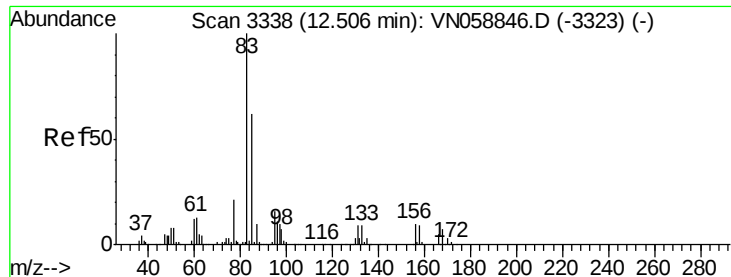
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.795 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

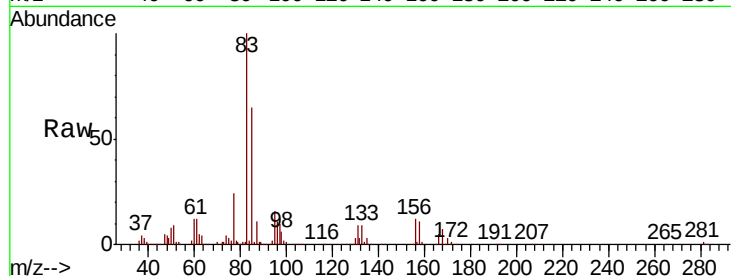
Tot Ion: 83 Resp: 337911

Ion Ratio Lower Upper

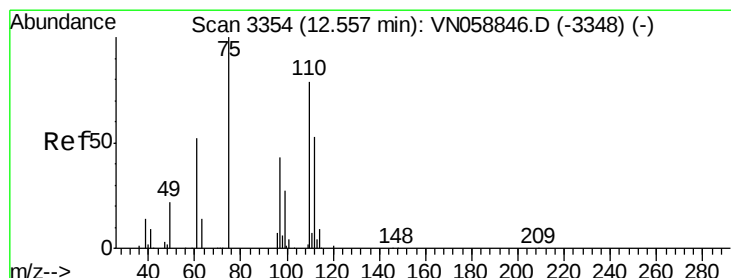
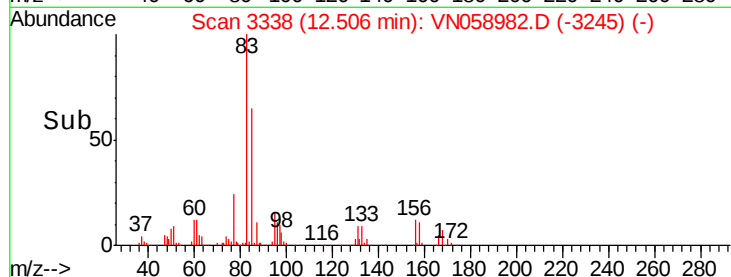
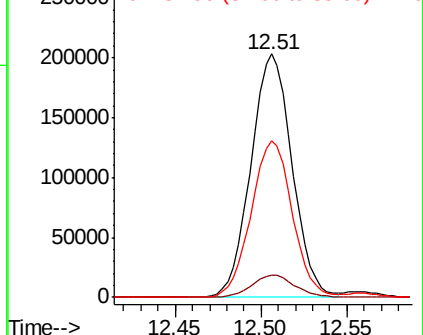
83 100

131 9.7 4.7 14.1

85 64.2 31.7 95.1



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



#76

1,2,3-Trichloropropane

Concen: 71.534 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058982.D

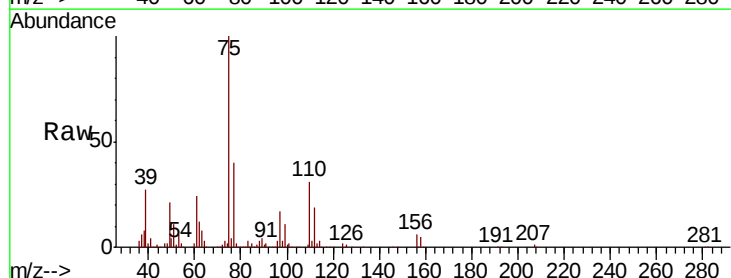
Acq: 25 Oct 2019 14:35

Tgt Ion: 75 Resp: 456129

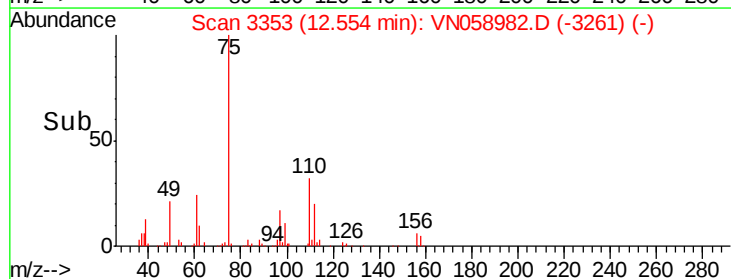
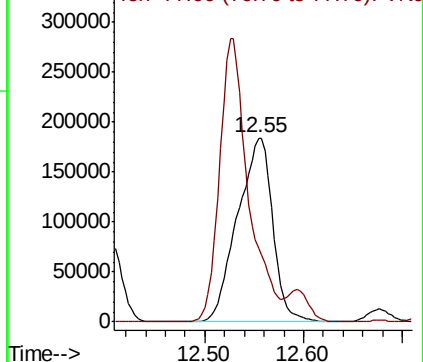
Ion Ratio Lower Upper

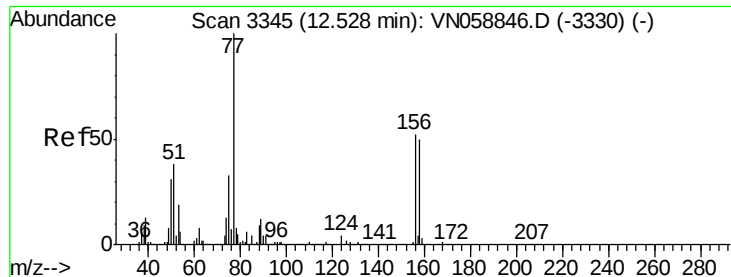
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 51.583 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

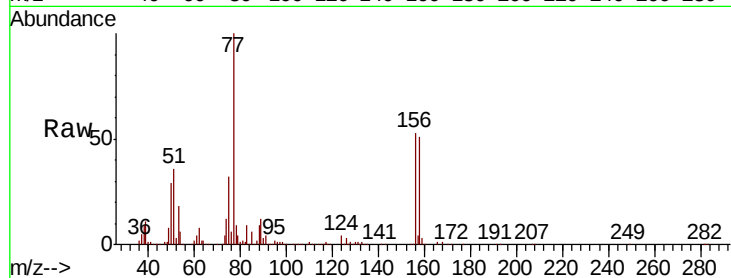
Tot Ion:156 Resp: 255641

Ion Ratio Lower Upper

156 100

77 228.5 118.0 354.0

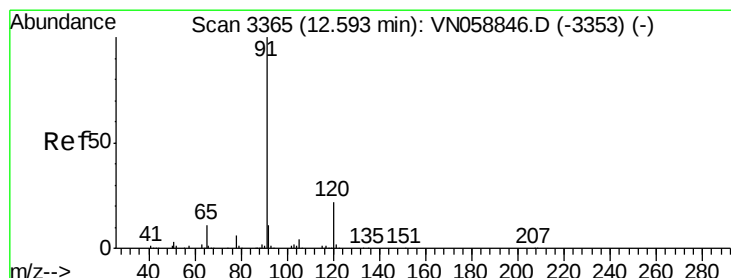
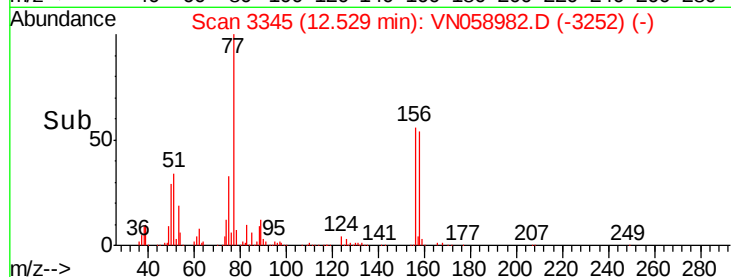
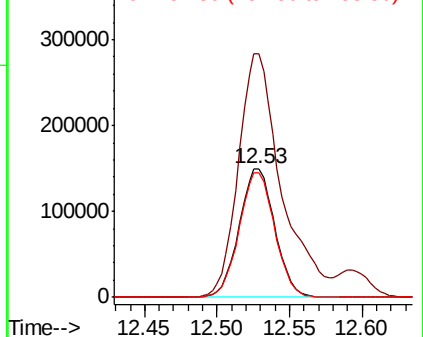
158 96.7 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.999 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058982.D

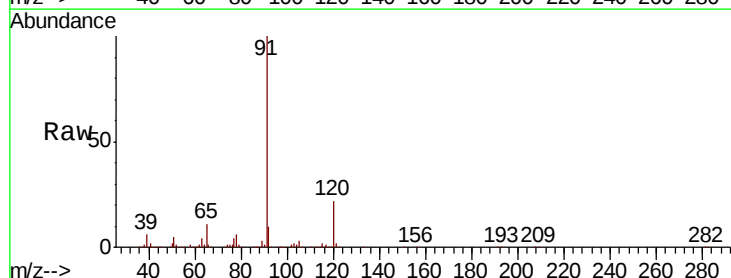
Acq: 25 Oct 2019 14:35

Tgt Ion: 91 Resp: 1283403

Ion Ratio Lower Upper

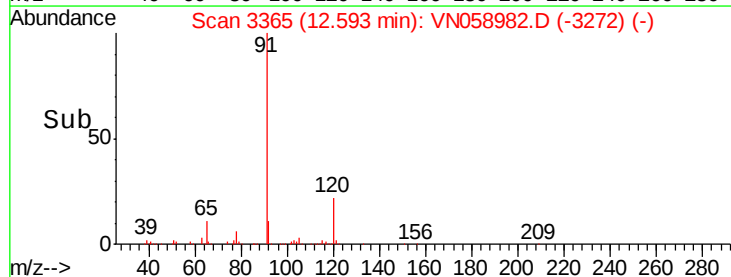
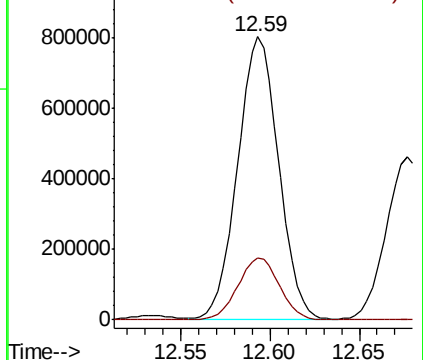
91 100

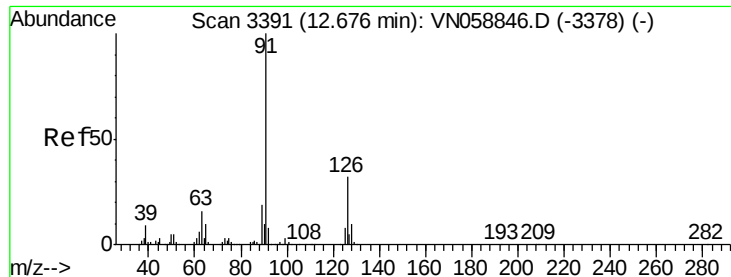
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.624 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

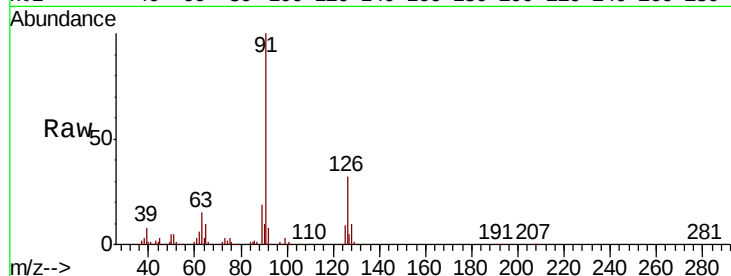
ClientSampled :

Tot Ion: 91 Resp: 750939

Ion Ratio Lower Upper

91 100

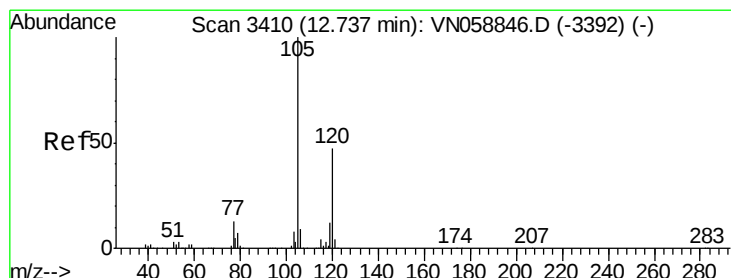
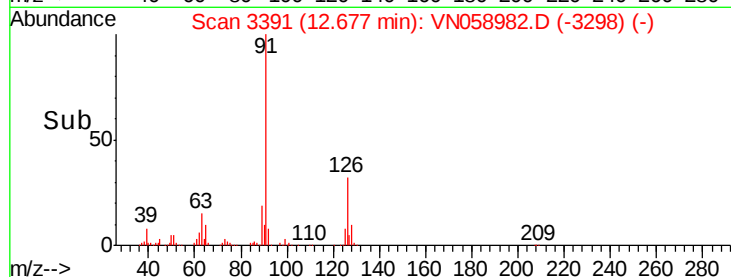
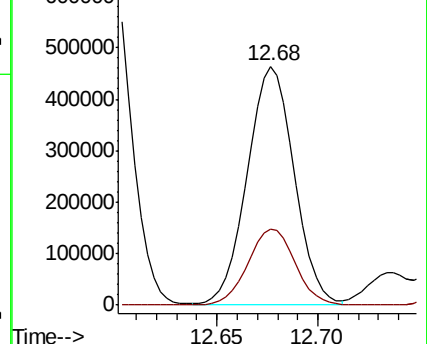
126 32.4 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)

12.68



#80

1,3,5-Trimethylbenzene

Concen: 54.795 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058982.D

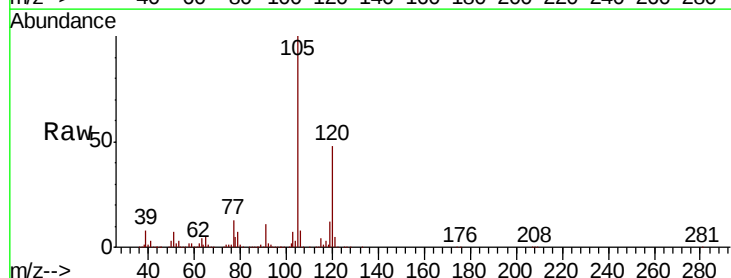
Acq: 25 Oct 2019 14:35

Tgt Ion: 105 Resp: 925677

Ion Ratio Lower Upper

105 100

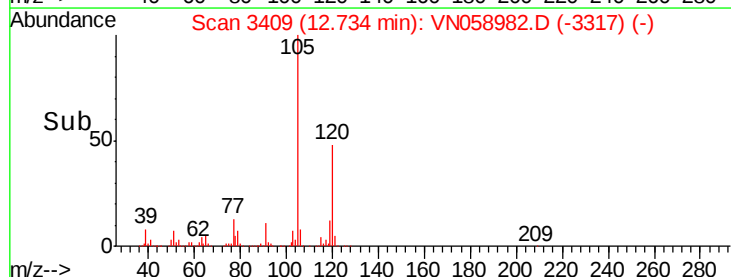
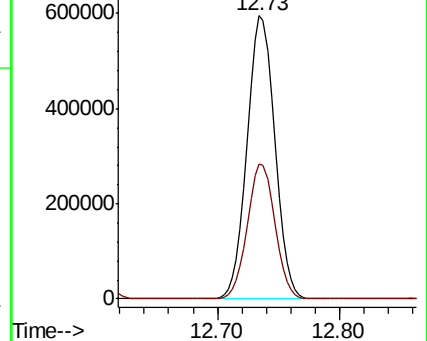
120 47.7 23.8 71.5

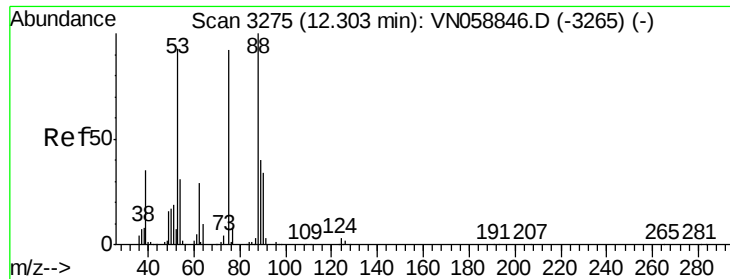


Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

12.73





#81

trans-1,4-Dichloro-2-butene

Concen: 50.182 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

ClientSampleId :

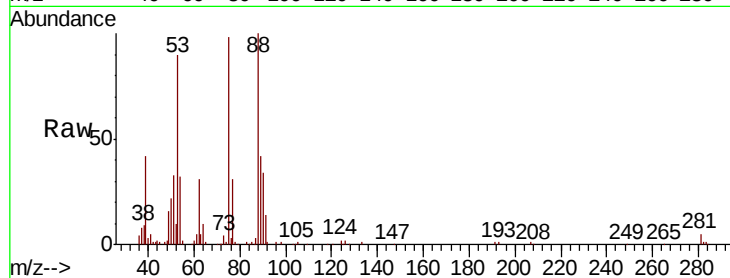
Tot Ion: 75 Resp: 122829

Ion Ratio Lower Upper

75 100

53 93.6 78.6 118.0

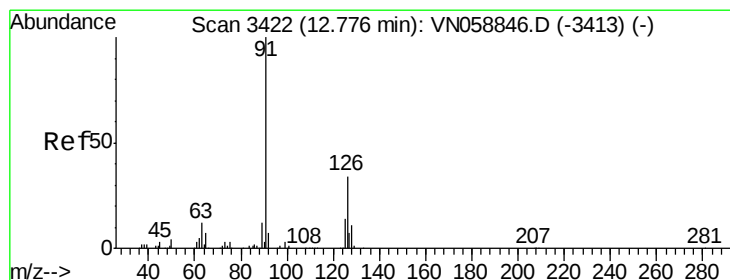
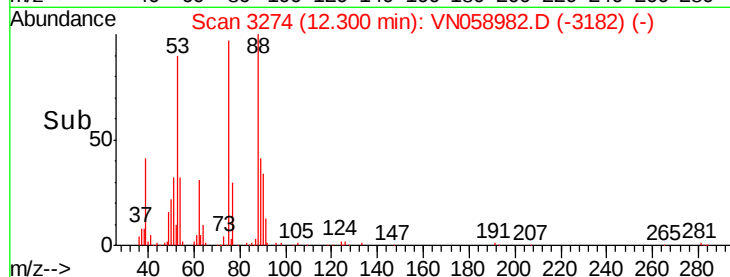
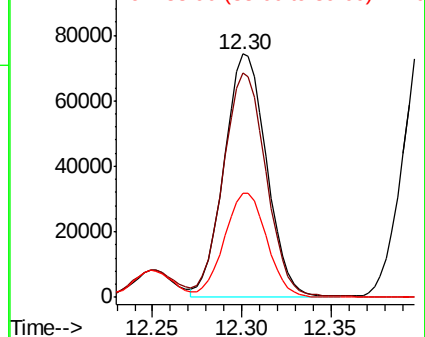
89 42.6 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 52.868 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058982.D

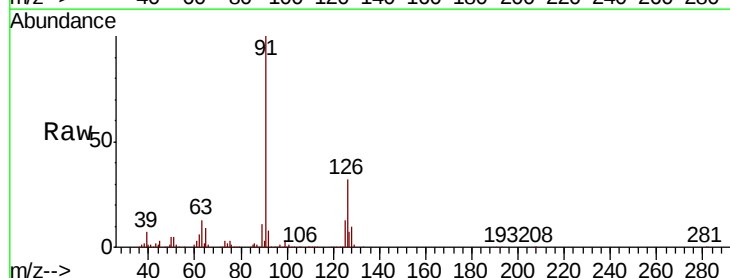
Acq: 25 Oct 2019 14:35

Tgt Ion: 91 Resp: 785903

Ion Ratio Lower Upper

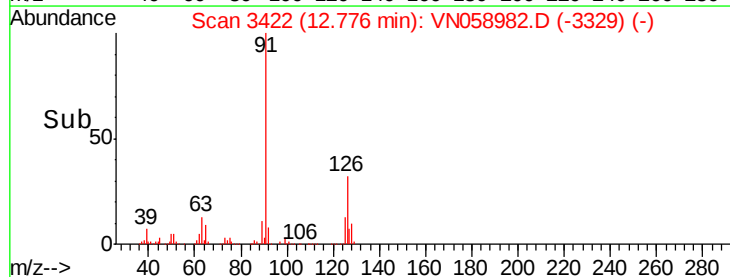
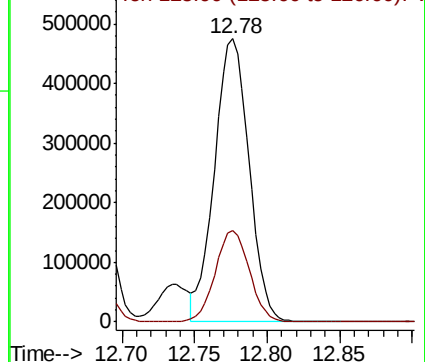
91 100

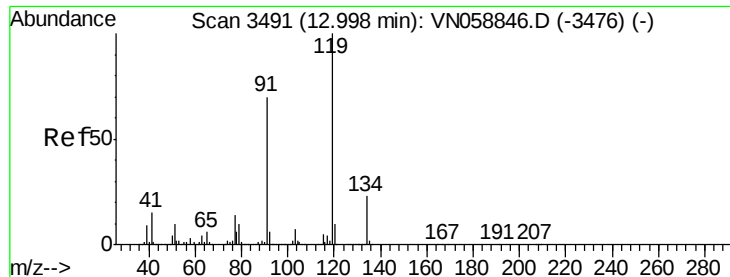
126 31.8 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

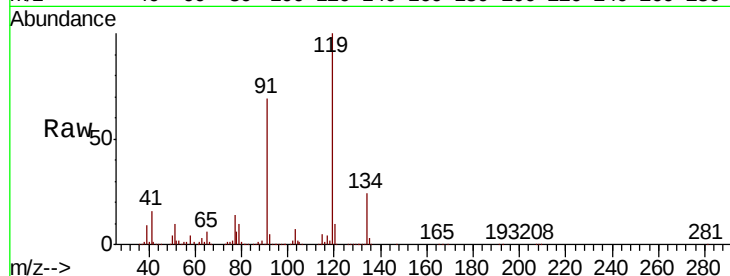




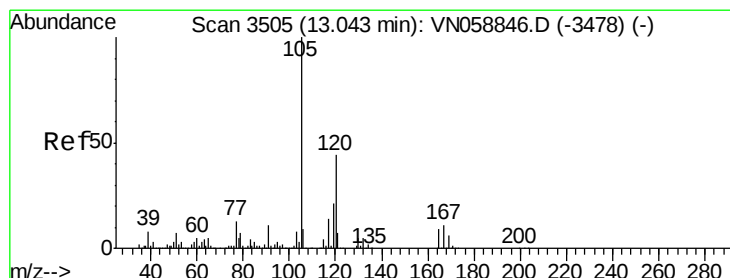
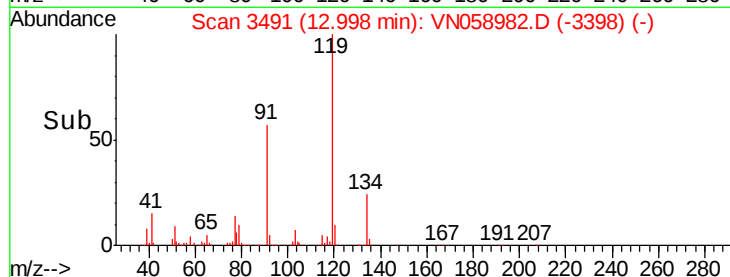
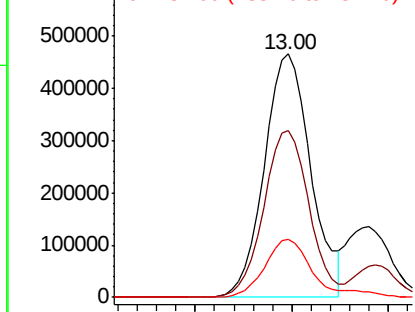
#83
tert-Butylbenzene
Concen: 53.923 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 778971
Ion Ratio Lower Upper
119 100
91 66.4 34.1 102.3
134 25.0 11.6 34.8

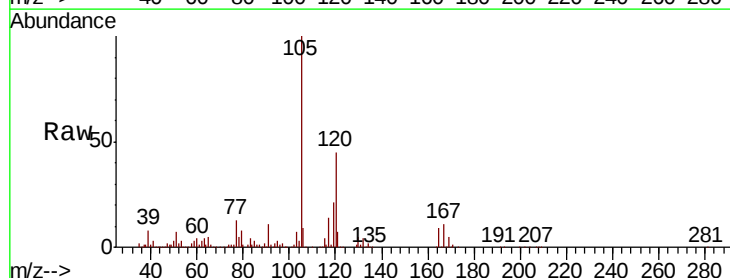


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

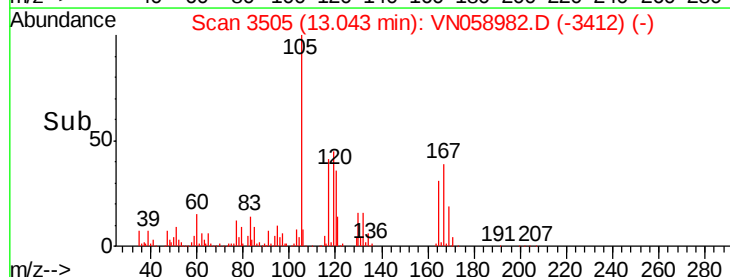
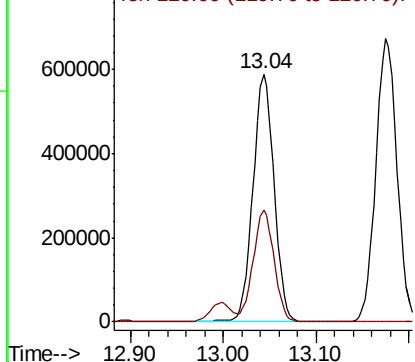


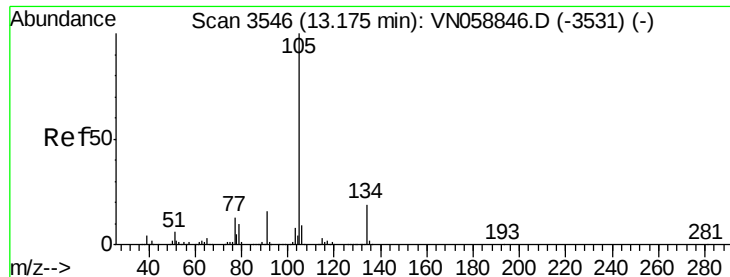
#84
1,2,4-Trimethylbenzene
Concen: 55.889 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion:105 Resp: 931262
Ion Ratio Lower Upper
105 100
120 44.9 21.9 65.8



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





#85

sec-Butylbenzene

Concen: 55.187 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

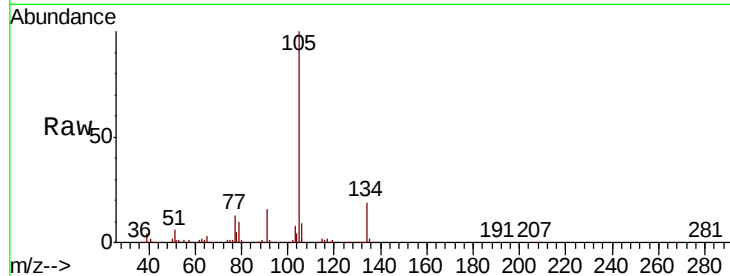
ClientSampleId :

Tot Ion:105 Resp: 1062904

Ion Ratio Lower Upper

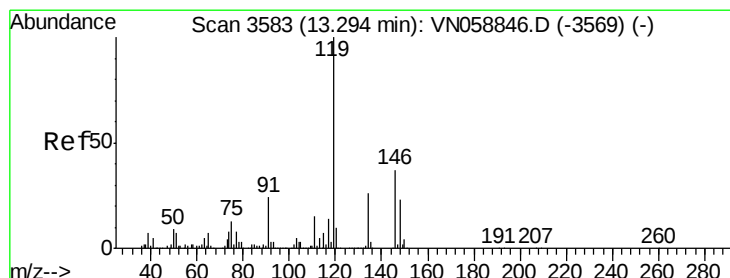
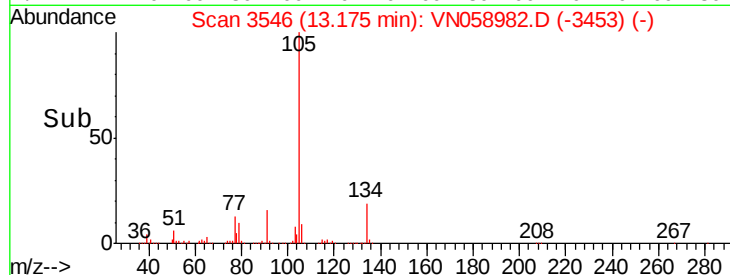
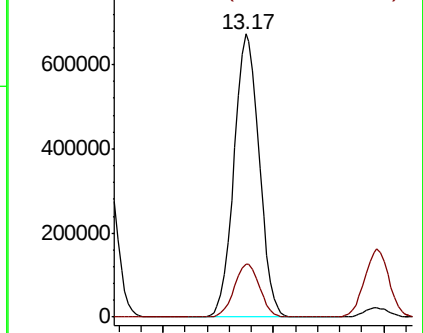
105 100

134 19.0 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.743 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

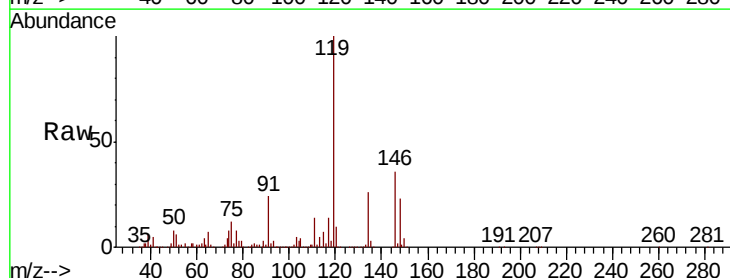
Tgt Ion:119 Resp: 964310

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

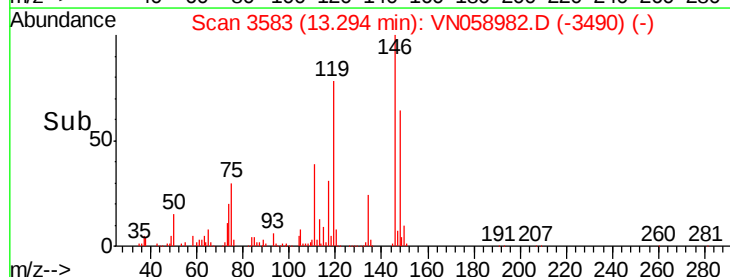
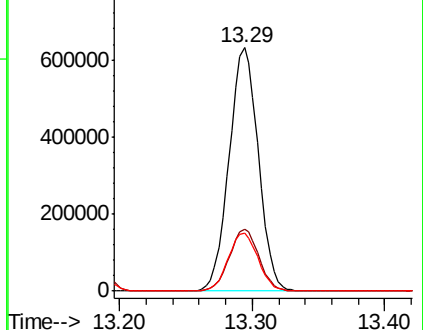
91 24.2 12.2 36.4

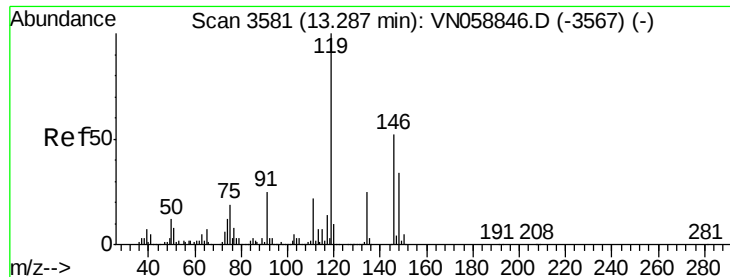


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.762 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

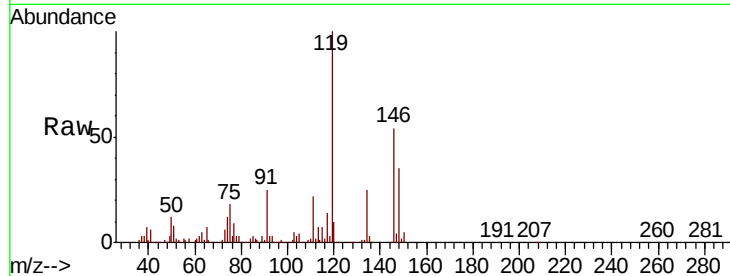
Tot Ion:146 Resp: 467559

Ion Ratio Lower Upper

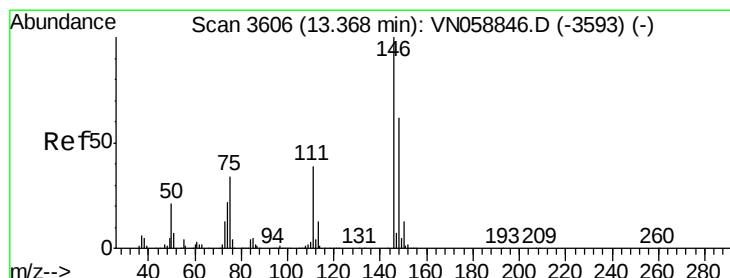
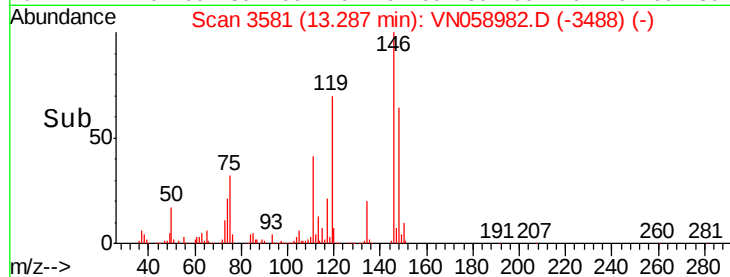
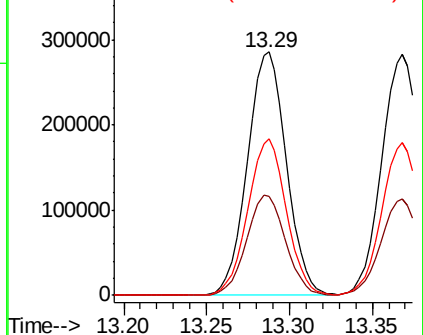
146 100

111 41.1 21.0 63.0

148 63.6 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 52.542 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

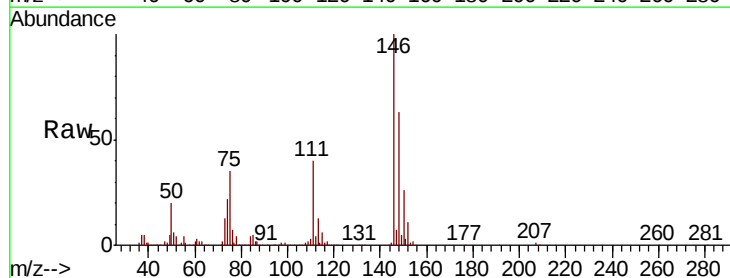
Tgt Ion:146 Resp: 466160

Ion Ratio Lower Upper

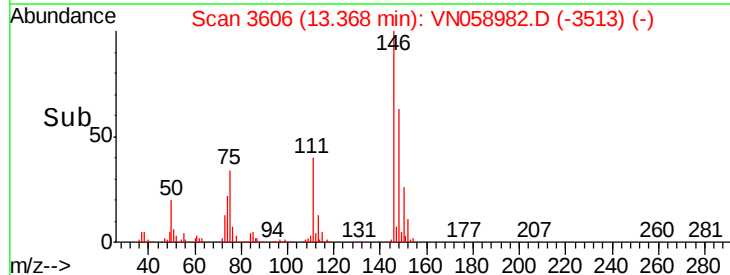
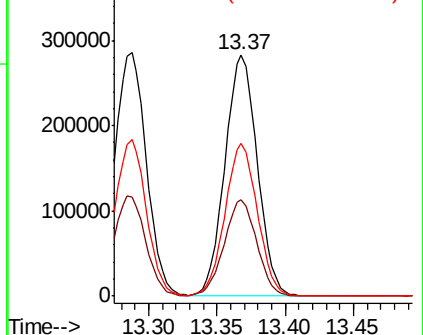
146 100

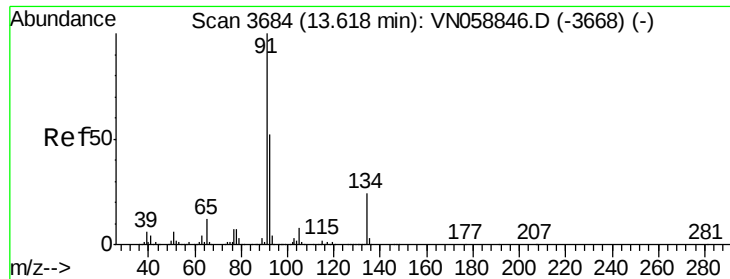
111 40.2 20.2 60.6

148 63.3 31.6 94.7



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

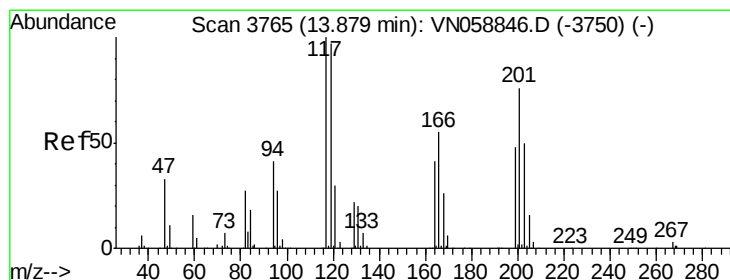
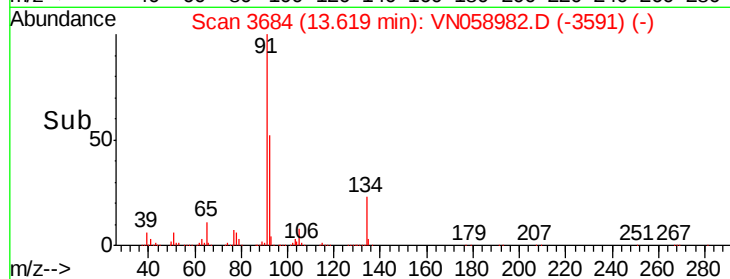
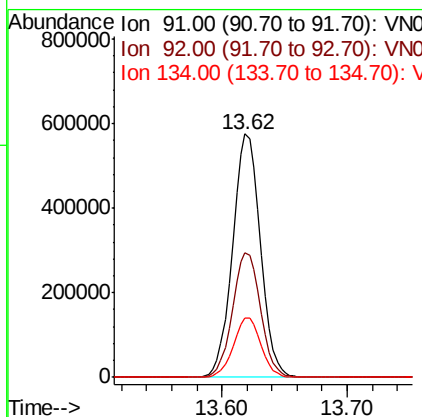
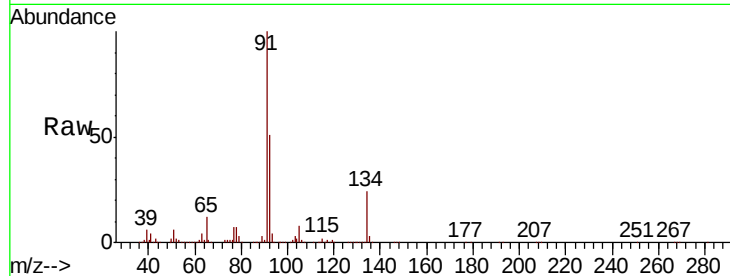




#89
n-Butylbenzene
Concen: 56.539 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

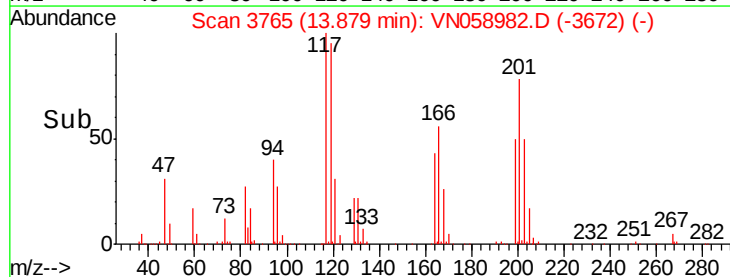
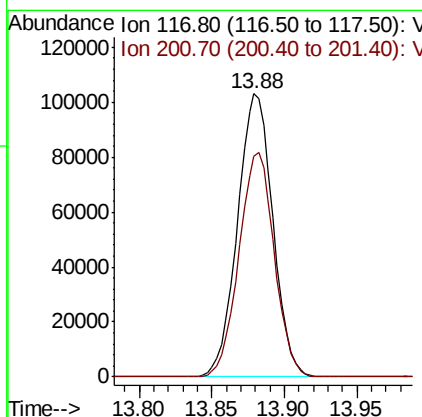
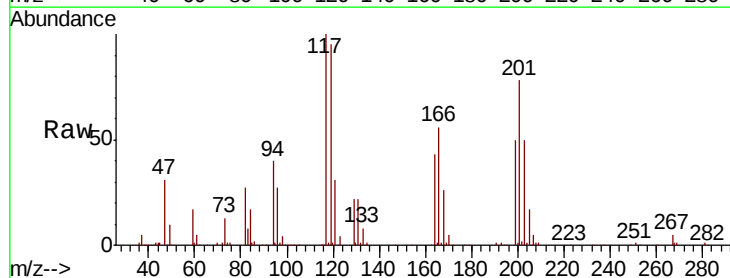
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 882642
Ion Ratio Lower Upper
91 100
92 51.7 25.7 77.1
134 24.3 11.9 35.5



#90
Hexachloroethane
Concen: 50.667 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058982.D
Acq: 25 Oct 2019 14:35

Tgt Ion: 117 Resp: 174477
Ion Ratio Lower Upper
117 100
201 79.1 38.9 116.6

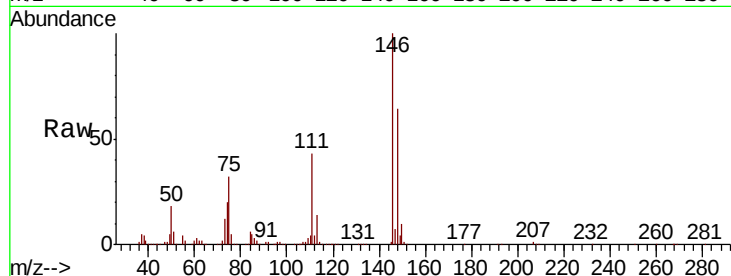




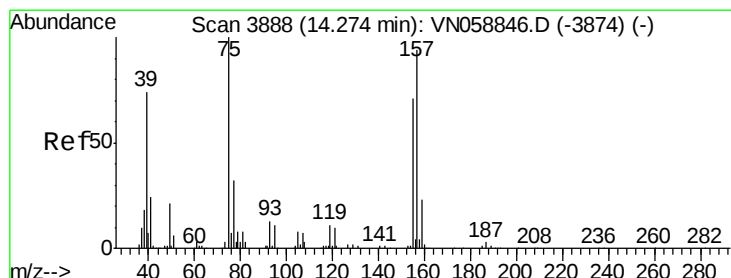
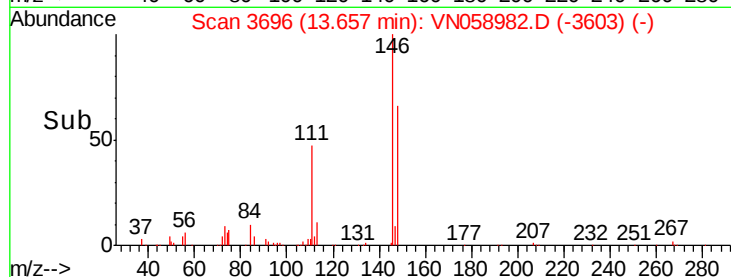
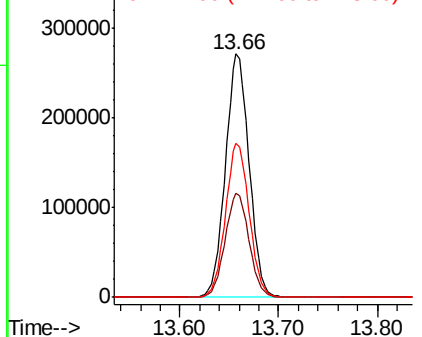
#91
 1,2-Dichlorobenzene
 Concen: 52.405 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058982.D
 Acq: 25 Oct 2019 14:35

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.8
148	63.4	31.9	95.9

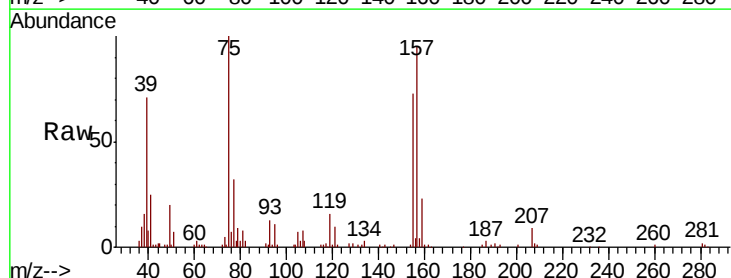


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

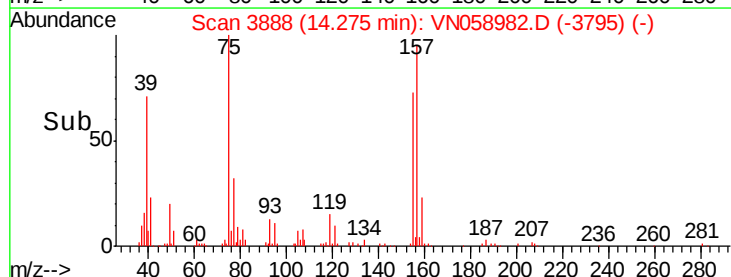
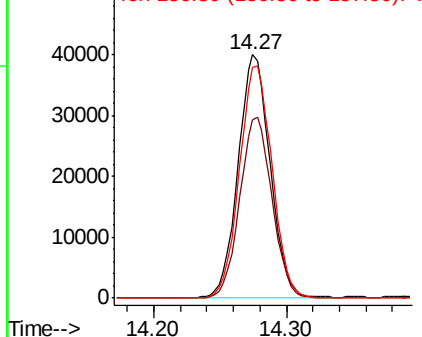


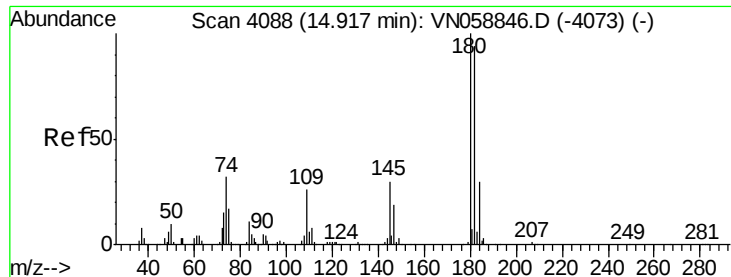
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.982 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058982.D
 Acq: 25 Oct 2019 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	35.6	106.8
157	96.5	47.4	142.2



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

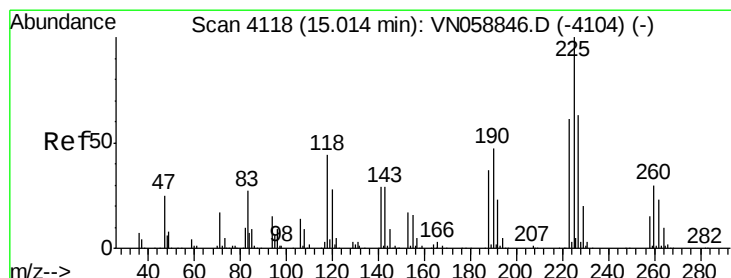
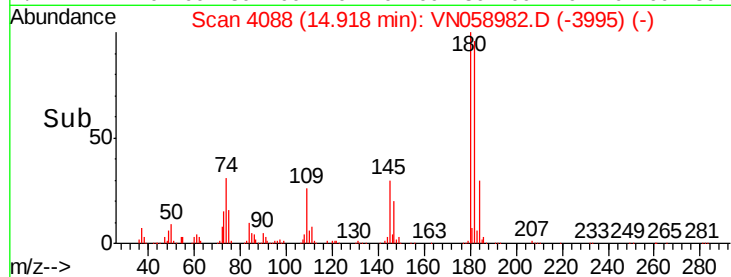
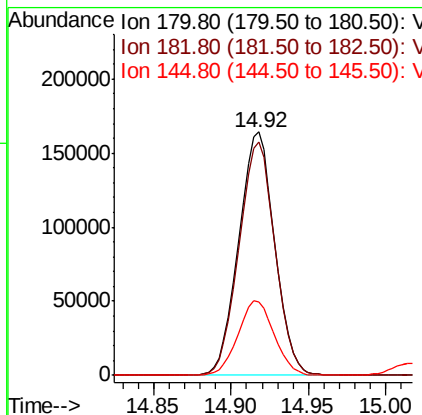
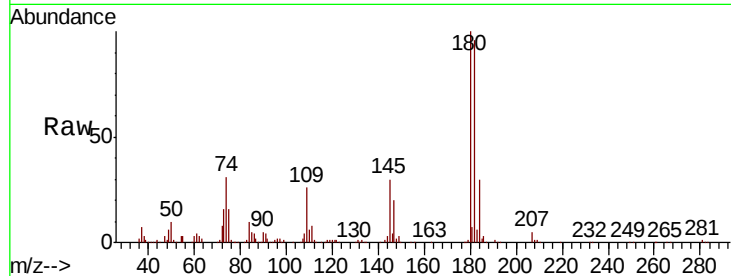




#93
 1,2,4-Trichlorobenzene
 Concen: 48.468 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058982.D
 Acq: 25 Oct 2019 14:35

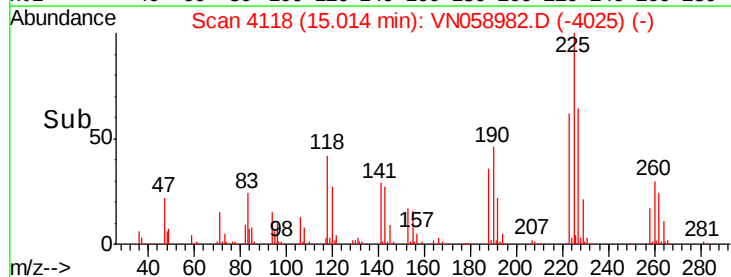
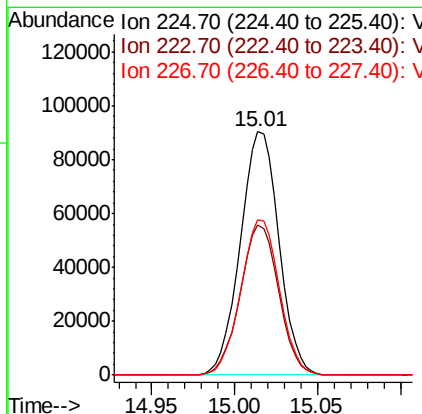
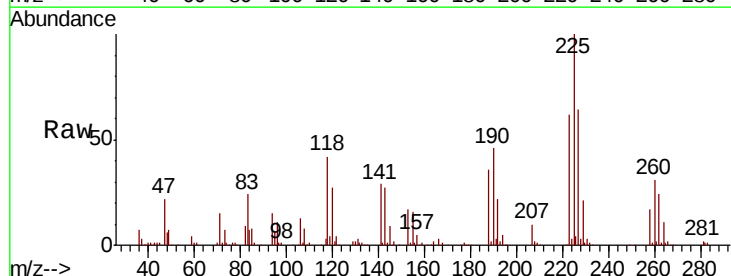
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	142.0
145	30.9	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 51.890 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058982.D
 Acq: 25 Oct 2019 14:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.9	92.5
227	63.6	31.6	94.7





#95

Naphthalene

Concen: 45.046 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

Instrument :

MSVOA_N

ClientSampled :

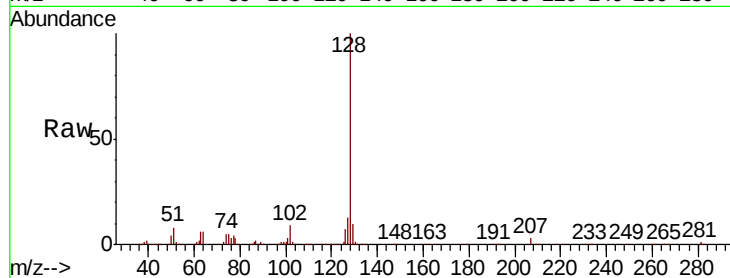
Tot Ion:128 Resp: 706246

Ion Ratio Lower Upper

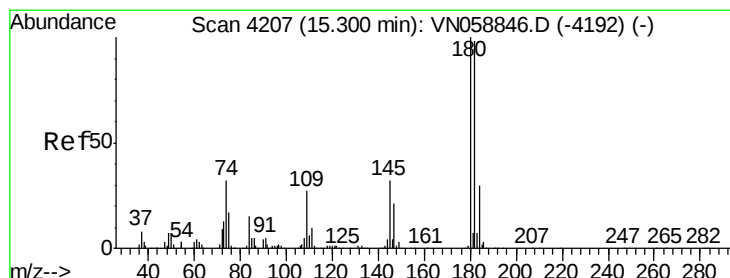
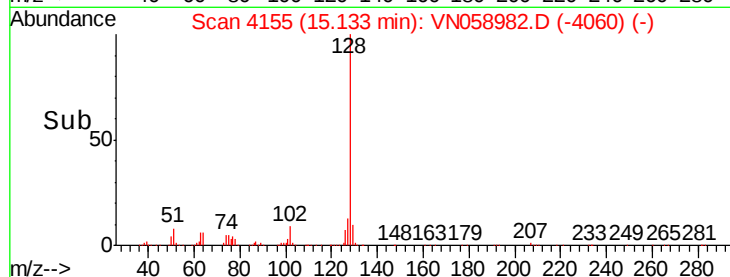
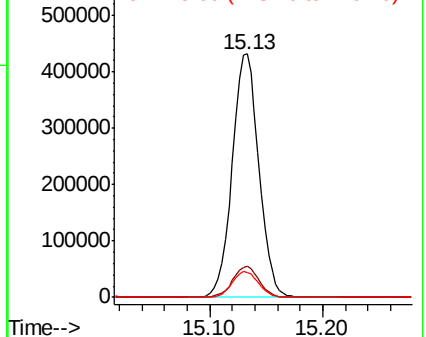
128 100

127 12.7 10.2 15.2

129 10.6 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.398 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058982.D

Acq: 25 Oct 2019 14:35

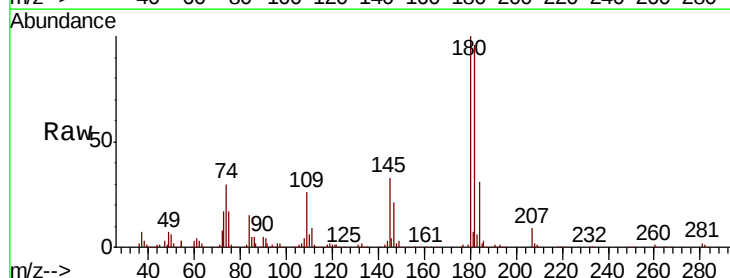
Tgt Ion:180 Resp: 257913

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.7

145 32.2 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

