

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058350.D
 Acq On : 25 Sep 2019 8:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 26 01:05:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	472195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	788755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	716634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	346191	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	313138	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	7.57	113	228226	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
50) Toluene-d8	10.09	98	884999	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
62) 4-Bromofluorobenzene	12.40	95	322157	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	161383	41.604	ug/l	98
3) Chloromethane	2.04	50	134928	45.024	ug/l	98
4) Vinyl Chloride	2.17	62	150614	45.993	ug/l	98
5) Bromomethane	2.55	94	82944	47.953	ug/l	97
6) Chloroethane	2.69	64	100984	48.152	ug/l	96
7) Trichlorofluoromethane	3.00	101	235142	44.412	ug/l	98
8) Diethyl Ether	3.39	74	114567	47.225	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	180770	47.355	ug/l	99
10) Methyl Iodide	3.93	142	147432	46.091	ug/l	99
11) Tert butyl alcohol	4.75	59	192219	245.704	ug/l	100
12) 1,1-Dichloroethene	3.72	96	140366	48.442	ug/l	99
13) Acrolein	3.59	56	16364	141.146	ug/l	98
14) Allyl chloride	4.30	41	298241	47.746	ug/l	98
15) Acrylonitrile	4.96	53	527751	253.200	ug/l	100
16) Acetone	3.79	43	657357	294.460	ug/l	98
17) Carbon Disulfide	4.03	76	182035	44.670	ug/l	96
18) Methyl Acetate	4.30	43	280526	47.755	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	730951	50.768	ug/l	99
20) Methylene Chloride	4.53	84	194296	49.710	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	155417	49.227	ug/l	100
22) Diisopropyl ether	5.93	45	809841	51.039	ug/l	99
23) Vinyl Acetate	5.87	43	2884150	265.642	ug/l	100
24) 1,1-Dichloroethane	5.82	63	417645	49.316	ug/l	100
25) 2-Butanone	6.81	43	827460	272.066	ug/l	99
26) 2,2-Dichloropropane	6.80	77	360105	50.122	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	232793	48.615	ug/l	98
28) Bromochloromethane	7.18	49	204828	51.128	ug/l #	98
29) Tetrahydrofuran	7.19	42	447576	238.909	ug/l	100
30) Chloroform	7.35	83	452379	49.626	ug/l	99
31) Cyclohexane	7.63	56	261914	47.736	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	356948	51.436	ug/l	99
36) 1,1-Dichloropropene	7.78	75	258015	45.361	ug/l	100
37) Ethyl Acetate	6.91	43	295735	50.099	ug/l	99
38) Carbon Tetrachloride	7.76	117	284968	49.839	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	262067	47.655	ug/l	97
40) Benzene	8.02	78	835986	48.119	ug/l	99
41) Methacrylonitrile	7.15	41	145245	48.863	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	360095	49.396	ug/l	100
43) Isopropyl Acetate	8.15	43	525514	47.668	ug/l	99
44) Trichloroethene	8.82	130	206124	48.483	ug/l	99
45) 1,2-Dichloropropane	9.11	63	266490	51.363	ug/l	99
46) Dibromomethane	9.20	93	158365	50.204	ug/l	97
47) Bromodichloromethane	9.39	83	356156	53.894	ug/l	96
48) Methyl methacrylate	9.19	41	254539	50.851	ug/l	99
49) 1,4-Dioxane	9.19	88	85451	1039.775	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1626839	277.821	ug/l	99
52) Toluene	10.15	92	529189	48.603	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	370899	54.791	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	402009	53.789	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	251929	52.139	ug/l	99
56) Ethyl methacrylate	10.43	69	368169	52.810	ug/l	99
57) 1,3-Dichloropropane	10.70	76	426348	51.327	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	885396	266.626	ug/l	99
59) 2-Hexanone	10.75	43	1238014	284.668	ug/l	99
60) Dibromochloromethane	10.90	129	264984	57.004	ug/l	99
61) 1,2-Dibromoethane	11.00	107	229212	51.188	ug/l	99
64) Tetrachloroethene	10.63	164	164383	47.055	ug/l	99
65) Chlorobenzene	11.43	112	622977	49.423	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	248331	54.332	ug/l	99
67) Ethyl Benzene	11.51	91	1119241	51.820	ug/l	100
68) m/p-Xylenes	11.62	106	819048	100.685	ug/l	98
69) o-Xylene	11.95	106	402000	50.258	ug/l	99
70) Styrene	11.97	104	726492	52.714	ug/l	99
71) Bromoform	12.13	173	163475	48.368	ug/l #	98
73) Isopropylbenzene	12.25	105	1170861	54.033	ug/l	99
74) N-amyl acetate	12.07	43	490968	54.160	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	380870	52.486	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	463984	74.888	ug/l #	100
77) Bromobenzene	12.53	156	268637	49.284	ug/l	98
78) n-propylbenzene	12.60	91	1390943	56.487	ug/l	99
79) 2-Chlorotoluene	12.68	91	818168	53.165	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1012021	55.229	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	105132	50.444	ug/l	97
82) 4-Chlorotoluene	12.78	91	868463	53.686	ug/l	100
83) tert-Butylbenzene	13.00	119	893327	54.668	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1035039	56.760	ug/l	98
85) sec-Butylbenzene	13.18	105	1210767	56.661	ug/l	100
86) p-Isopropyltoluene	13.29	119	1097944	57.796	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	524846	52.718	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	529904	52.136	ug/l	99
89) n-Butylbenzene	13.62	91	1030229	57.201	ug/l	99
90) Hexachloroethane	13.88	117	179078	53.545	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	528151	52.885	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	69521	53.215	ug/l	98

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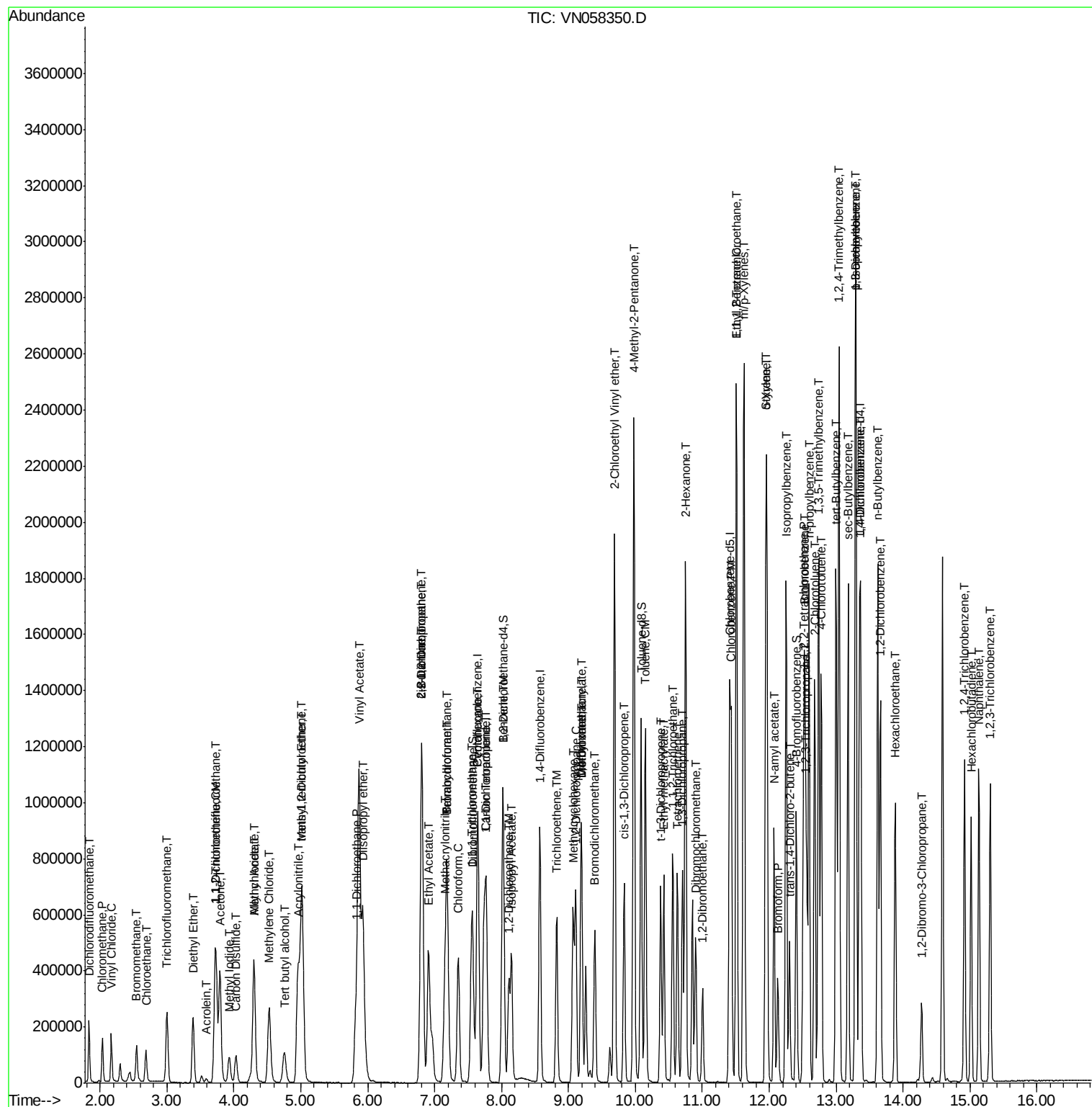
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	338173	52.999	ug/l	99
94) Hexachlorobutadiene	15.02	225	168021	54.481	ug/l	97
95) Naphthalene	15.13	128	884111	53.465	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	318758	52.854	ug/l	100

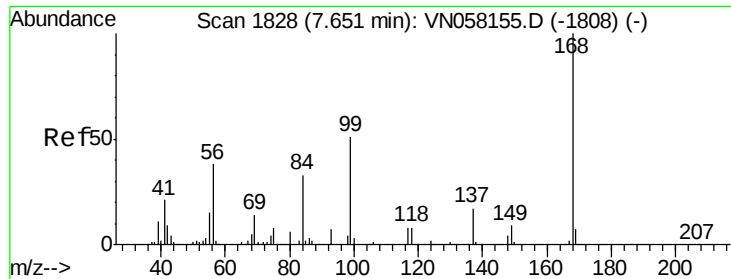
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

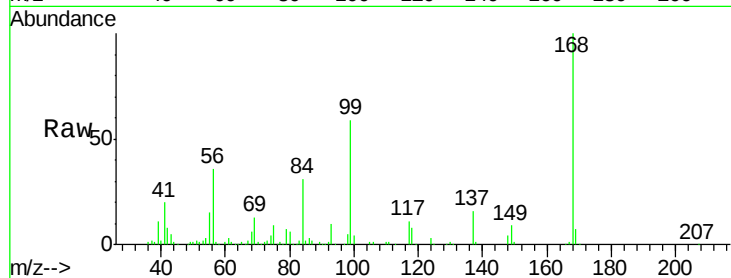
ClientSampled :

Tot Ion:168 Resp: 472195

Ion Ratio Lower Upper

168 100

99 58.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

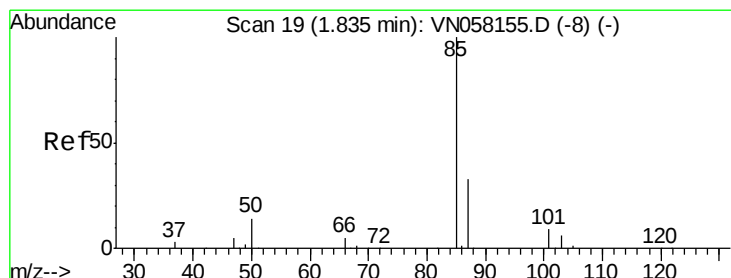
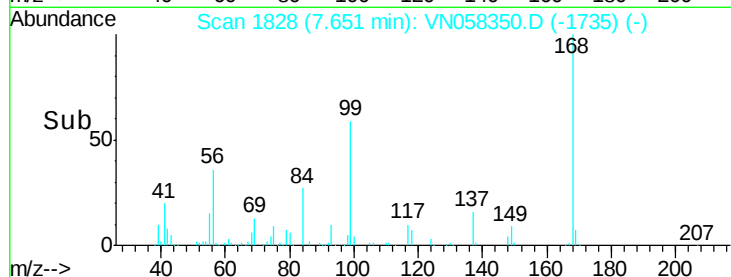
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 41.604 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058350.D

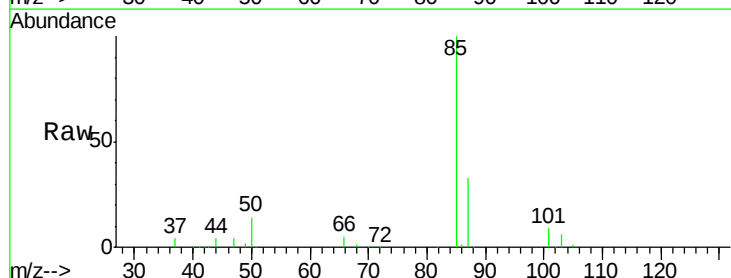
Acq: 25 Sep 2019 8:43

Tgt Ion: 85 Resp: 161383

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

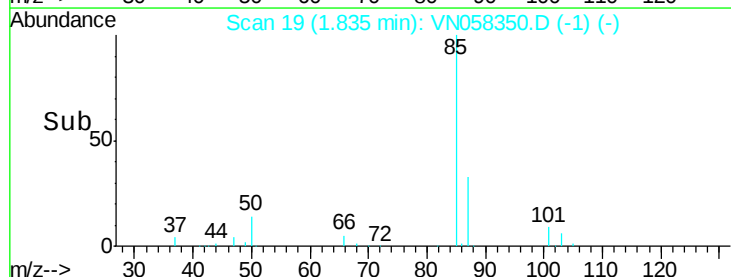
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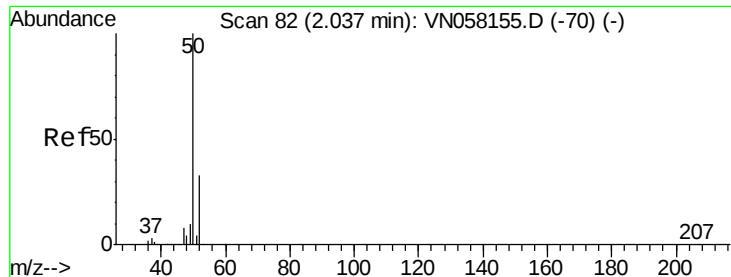
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 45.024 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

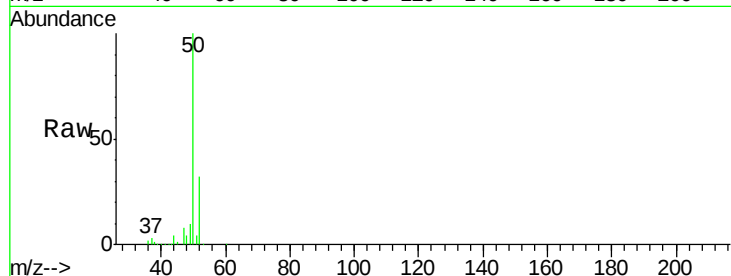
ClientSampleId :

Tot Ion: 50 Resp: 134928

Ion Ratio Lower Upper

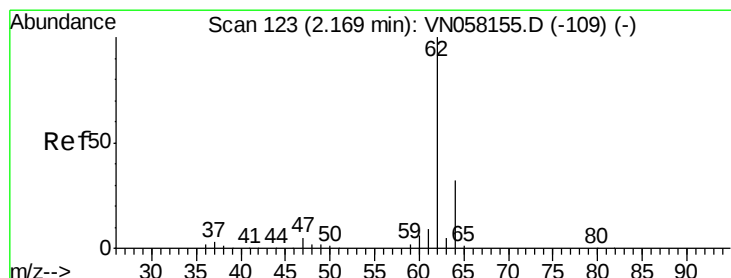
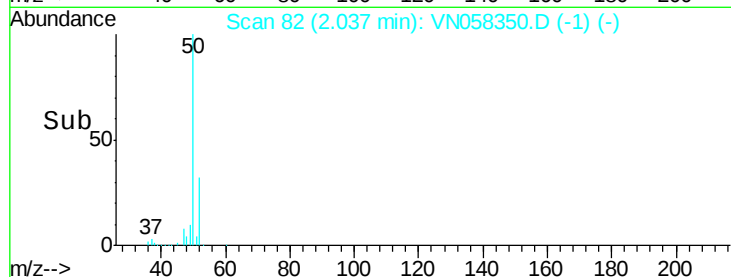
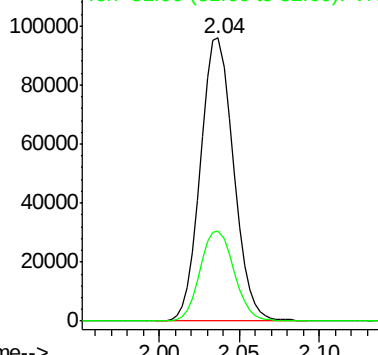
50 100

52 31.7 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.993 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058350.D

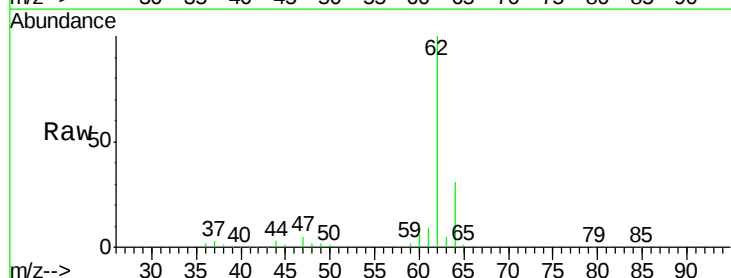
Acq: 25 Sep 2019 8:43

Tgt Ion: 62 Resp: 150614

Ion Ratio Lower Upper

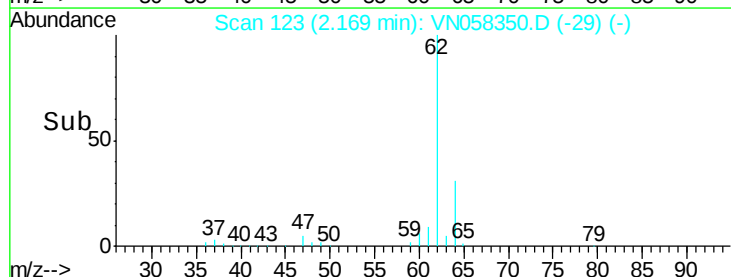
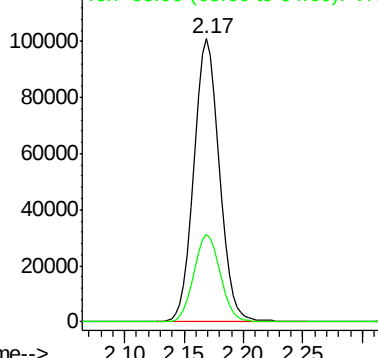
62 100

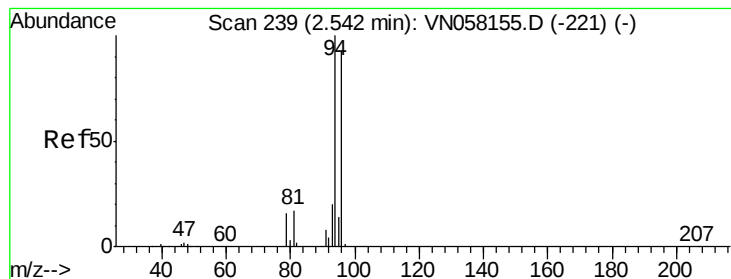
64 30.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.953 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

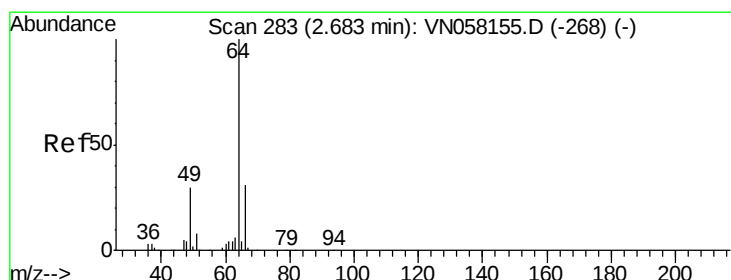
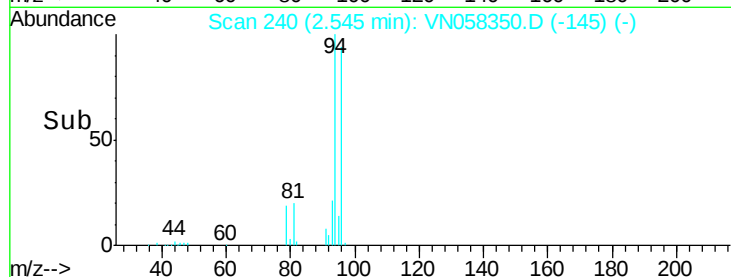
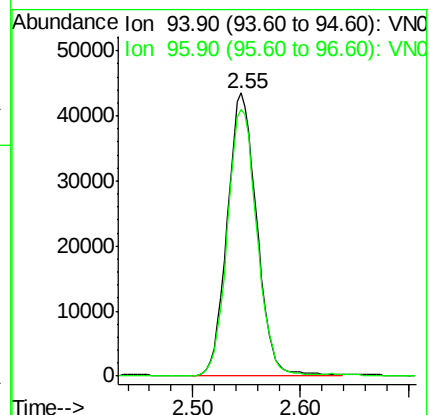
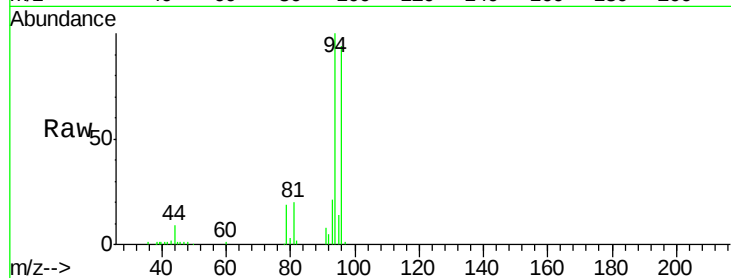
ClientSampled :

Tot Ion: 94 Resp: 82944

Ion Ratio Lower Upper

94 100

96 94.1 73.3 109.9



#6

Chloroethane

Concen: 48.152 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058350.D

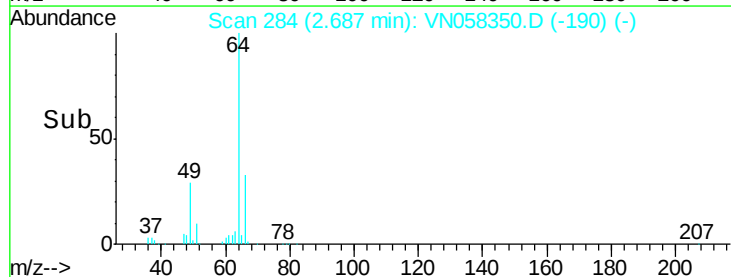
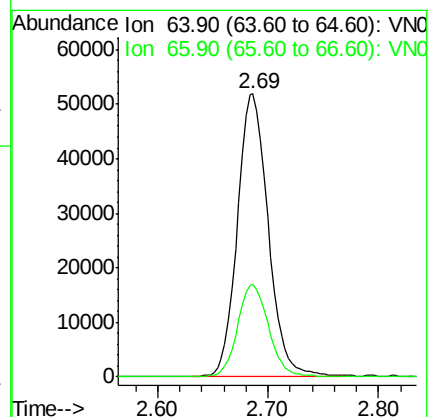
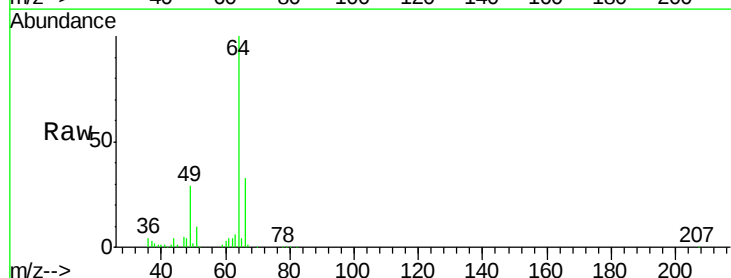
Acq: 25 Sep 2019 8:43

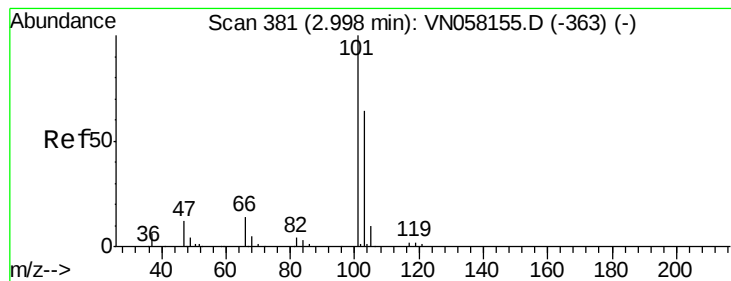
Tgt Ion: 64 Resp: 100984

Ion Ratio Lower Upper

64 100

66 32.8 24.6 37.0



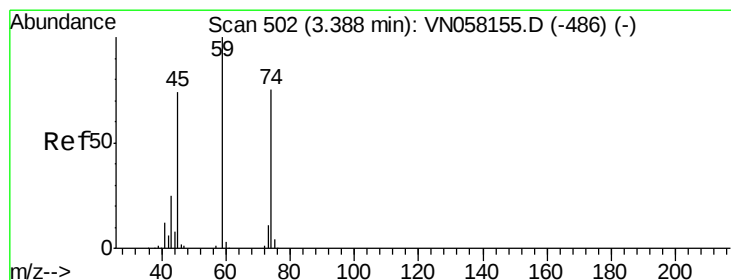
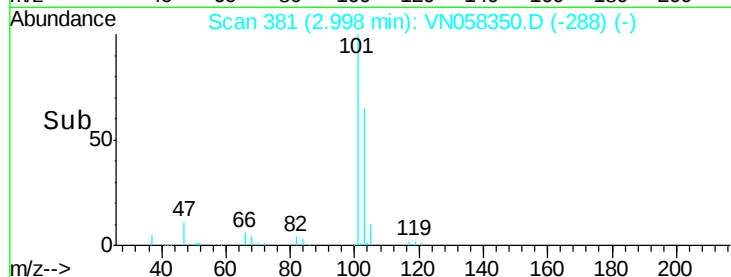
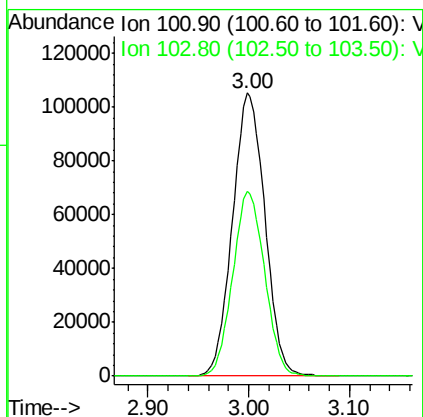
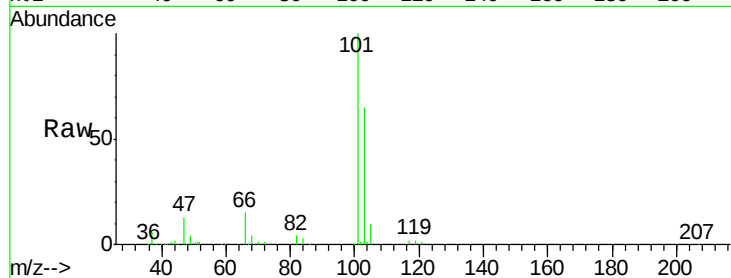


#7

Trichlorofluoromethane
Concen: 44.412 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampled :

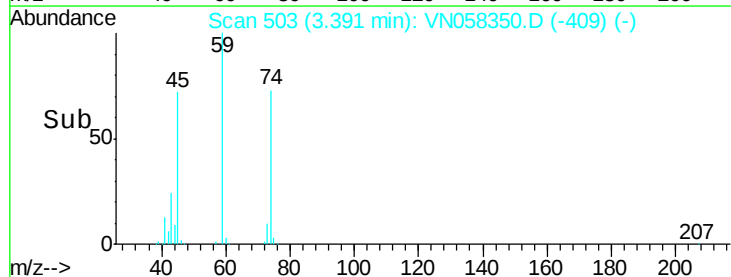
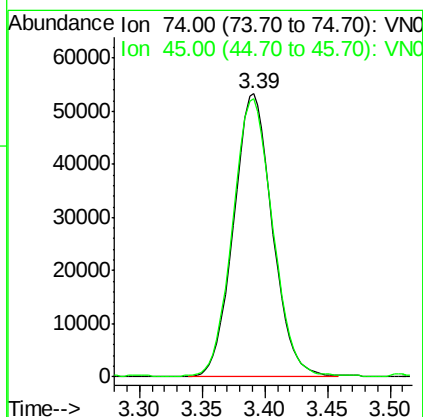
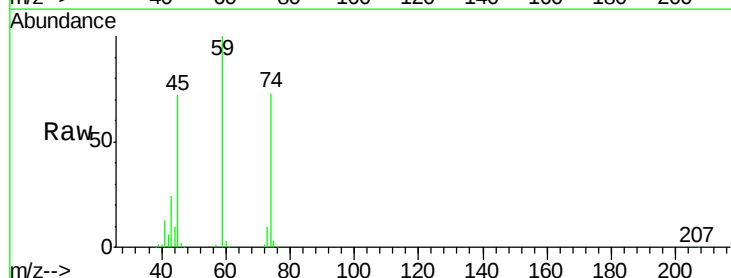
Tot Ion:101 Resp: 235142
Ion Ratio Lower Upper
101 100
103 65.3 51.0 76.6



#8

Diethyl Ether
Concen: 47.225 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion: 74 Resp: 114567
Ion Ratio Lower Upper
74 100
45 100.7 48.5 145.5

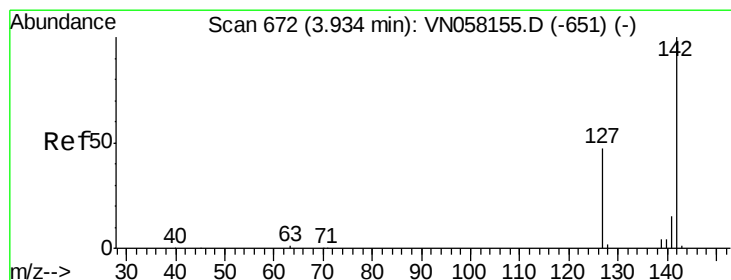
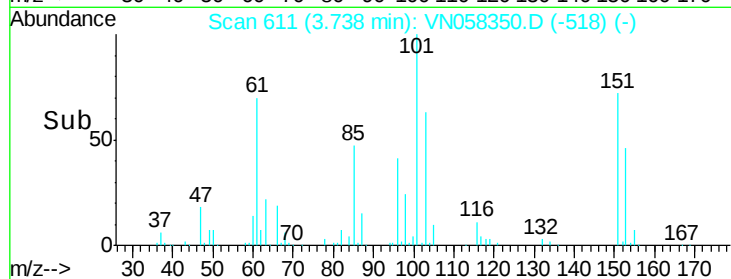
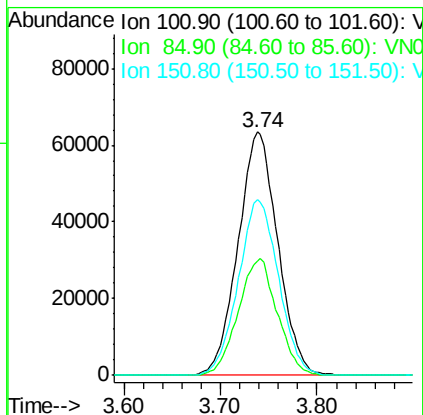
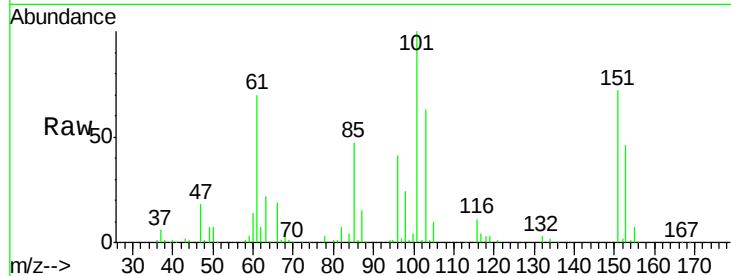




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.355 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

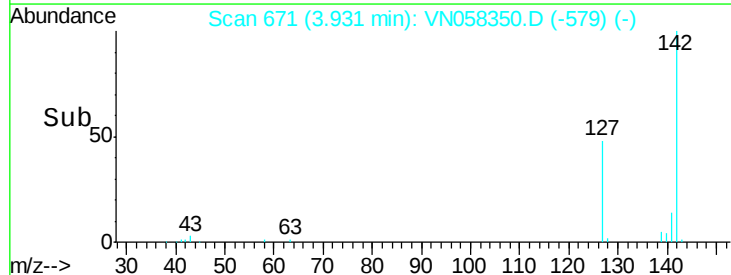
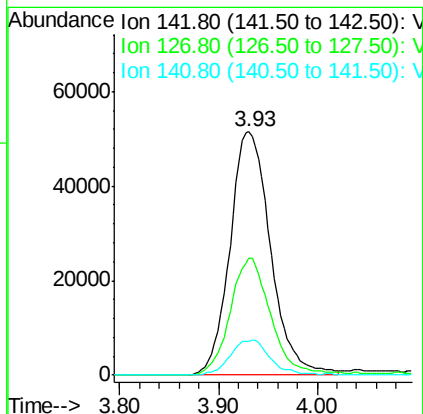
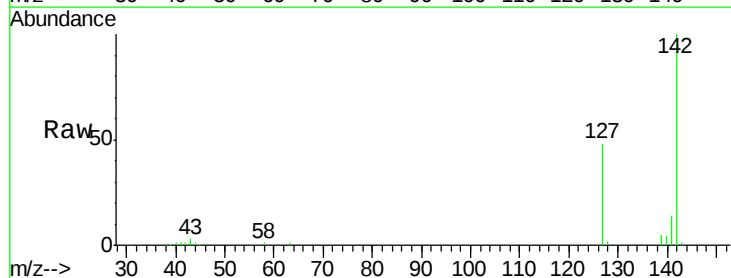
Instrument :
 MSVOA_N
 ClientSampled :

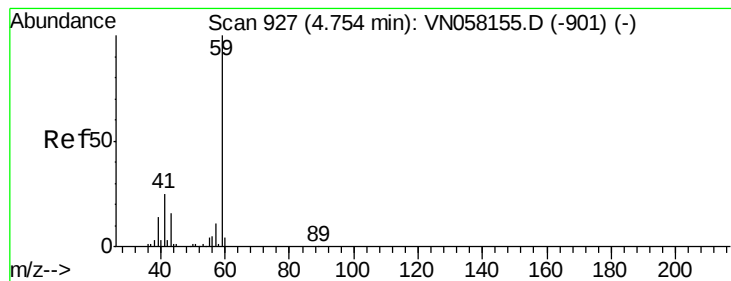
Tot Ion:101 Resp: 180770
 Ion Ratio Lower Upper
 101 100
 85 47.1 37.3 55.9
 151 73.2 59.6 89.4



#10
 Methyl Iodide
 Concen: 46.091 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion:142 Resp: 147432
 Ion Ratio Lower Upper
 142 100
 127 48.0 37.5 56.3
 141 14.1 11.4 17.2



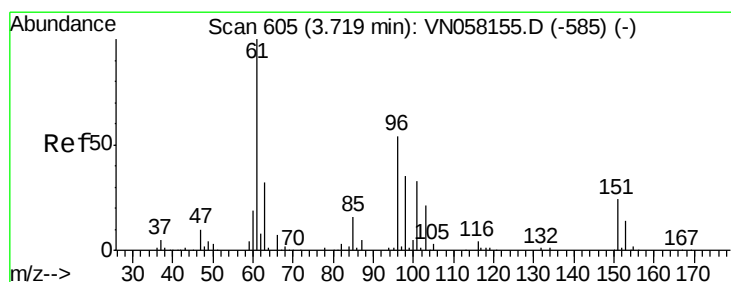
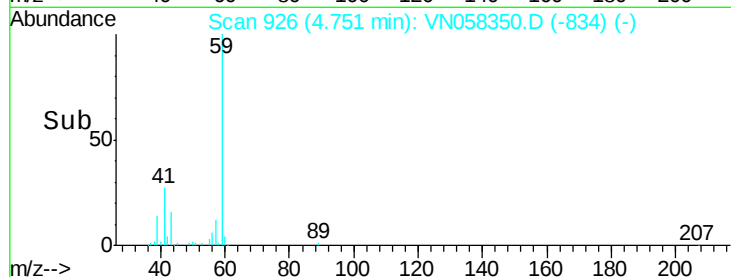
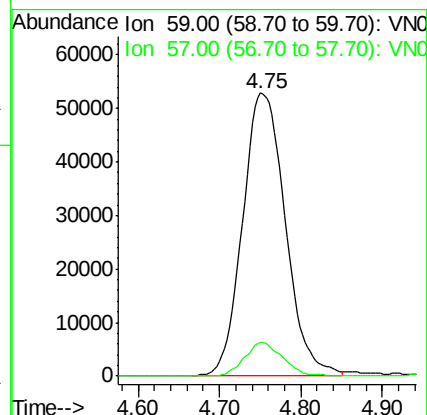
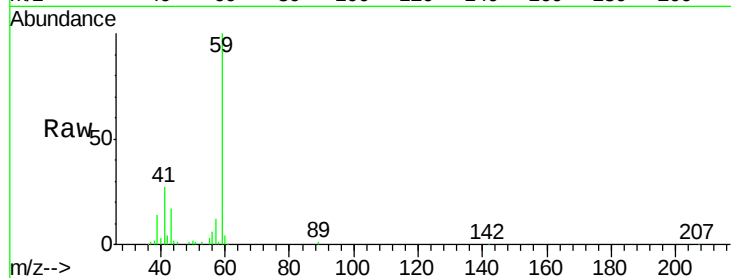


#11

Tert butyl alcohol
Concen: 245.704 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampled :

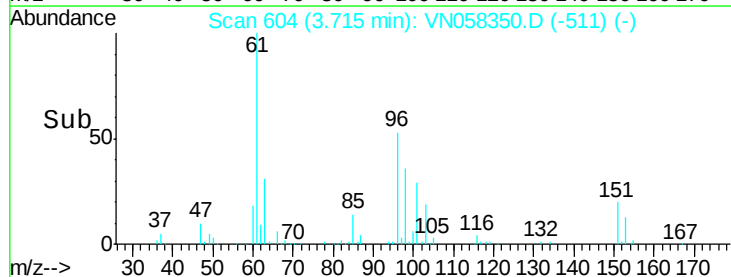
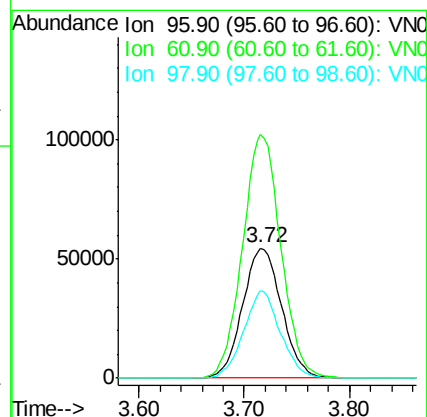
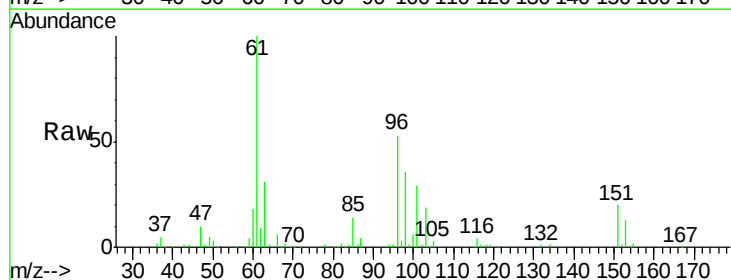
Tot Ion: 59 Resp: 192219
Ion Ratio Lower Upper
59 100
57 10.6 8.6 13.0



#12

1,1-Dichloroethene
Concen: 48.442 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion: 96 Resp: 140366
Ion Ratio Lower Upper
96 100
61 187.2 149.5 224.3
98 67.0 52.4 78.6





#13

Acrolein

Concen: 141.146 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

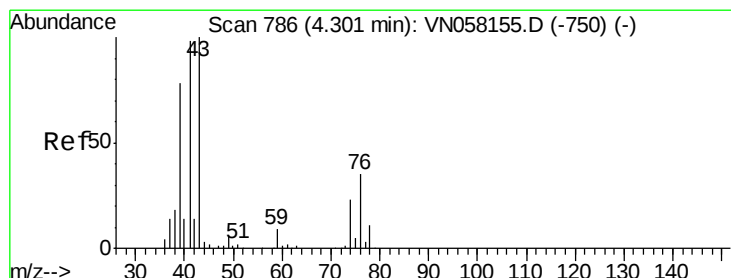
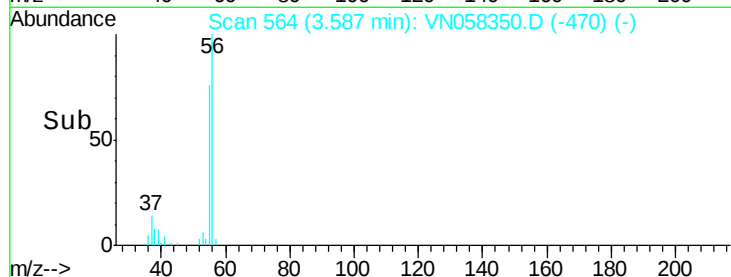
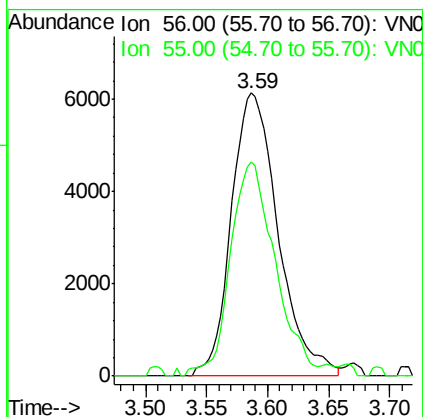
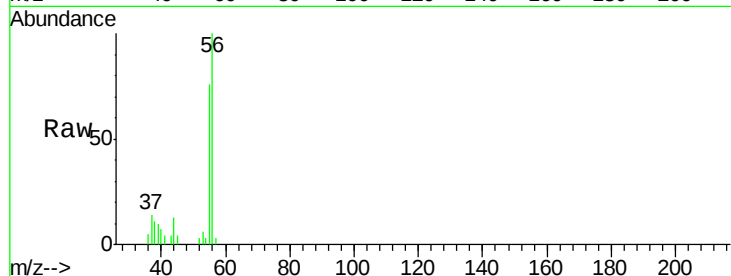
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 16364

Ion Ratio Lower Upper

56 100

55 72.1 56.1 84.1



#14

Allyl chloride

Concen: 47.746 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

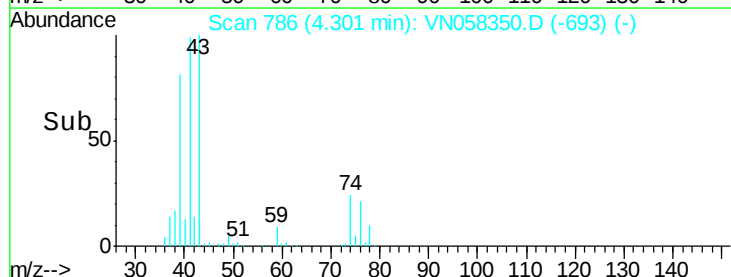
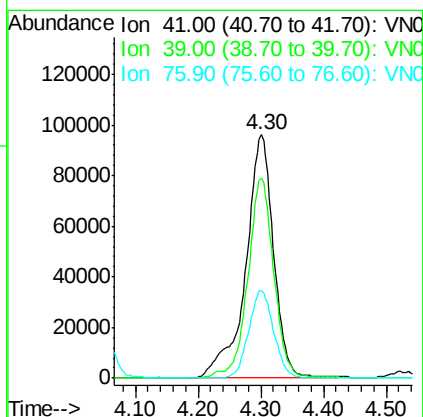
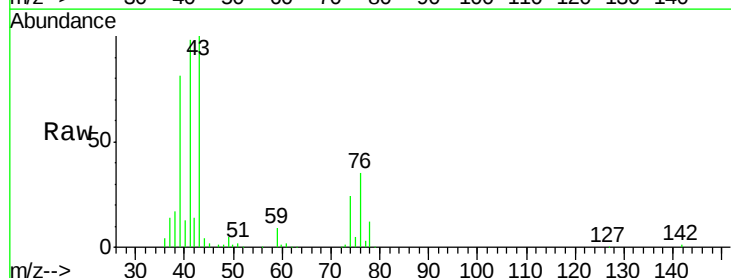
Tgt Ion: 41 Resp: 298241

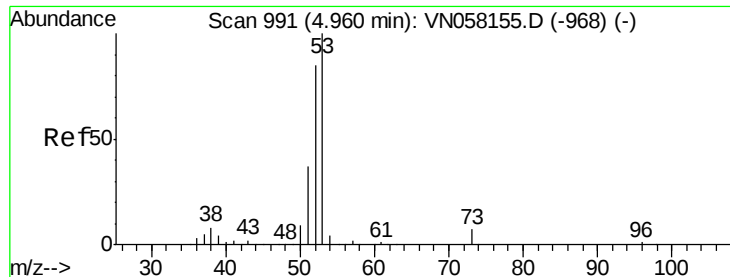
Ion Ratio Lower Upper

41 100

39 76.0 59.1 88.7

76 32.1 25.1 37.7





#15

Acrylonitrile

Concen: 253.200 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

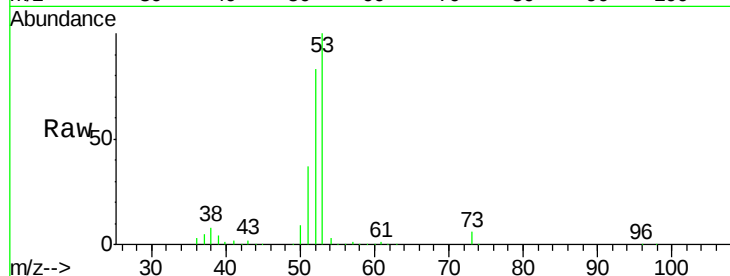
Tot Ion: 53 Resp: 527751

Ion Ratio Lower Upper

53 100

52 83.7 66.6 100.0

51 37.4 29.7 44.5

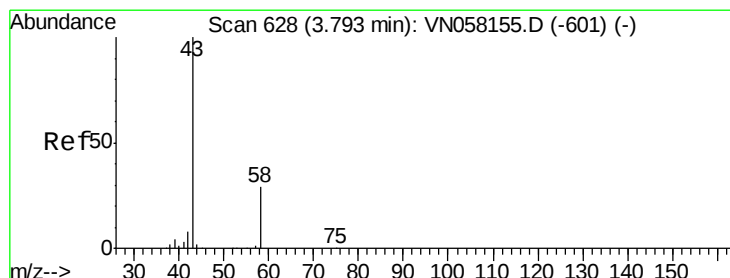
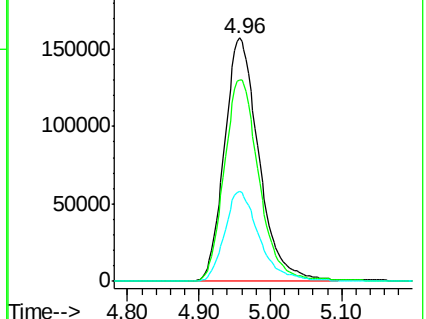
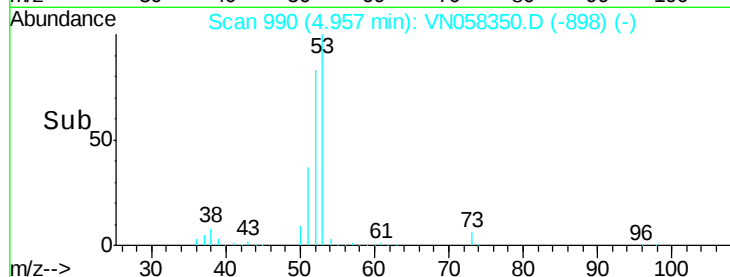


Abundance Ion 53.00 (52.70 to 53.70): VN058350.D (-898) (-)

Ion 52.00 (51.70 to 52.70): VN058350.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VN058350.D (-898) (-)

Time-->



#16

Acetone

Concen: 294.460 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058350.D

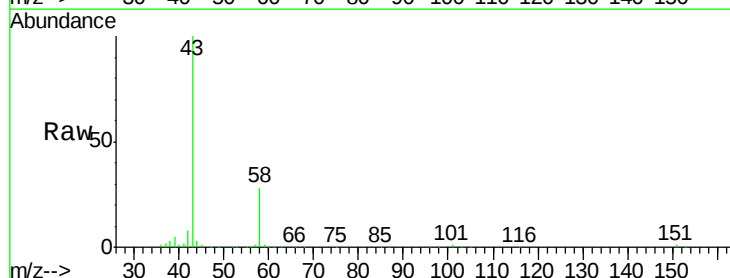
Acq: 25 Sep 2019 8:43

Tgt Ion: 43 Resp: 657357

Ion Ratio Lower Upper

43 100

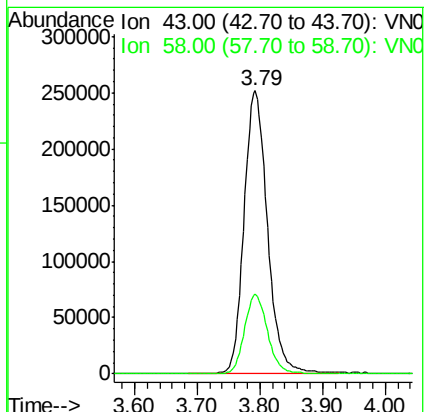
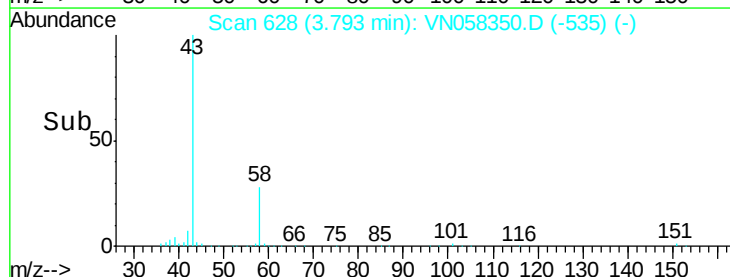
58 28.2 23.4 35.2

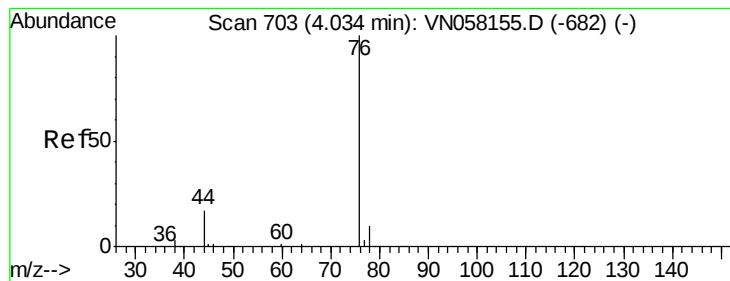


Abundance Ion 43.00 (42.70 to 43.70): VN058350.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN058350.D (-535) (-)

Time-->





#17

Carbon Disulfide

Concen: 44.670 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

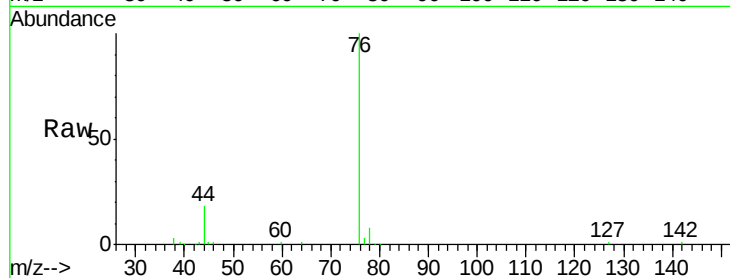
ClientSampleId :

Tot Ion: 76 Resp: 182035

Ion Ratio Lower Upper

76 100

78 8.3 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN058350.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN058350.D (-609) (-)

4.03

80000

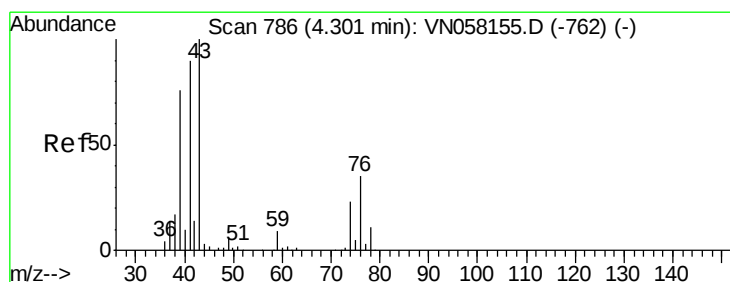
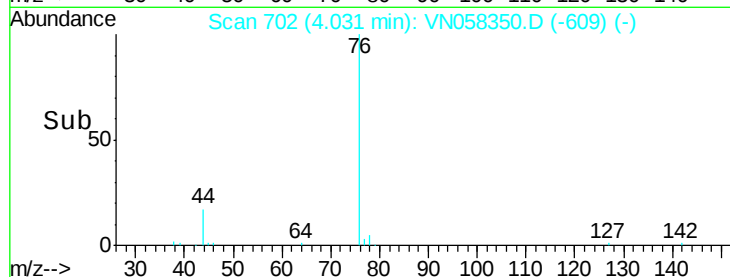
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 47.755 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058350.D

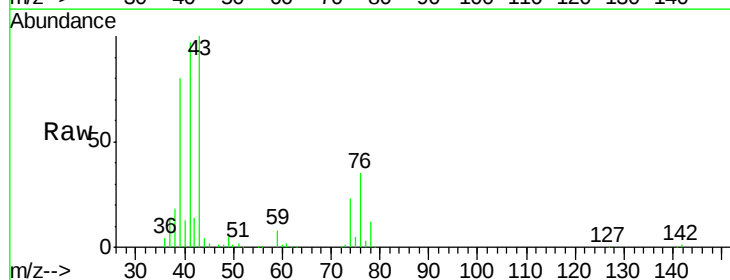
Acq: 25 Sep 2019 8:43

Tgt Ion: 43 Resp: 280526

Ion Ratio Lower Upper

43 100

74 23.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN058350.D (-693) (-)

Ion 74.00 (73.70 to 74.70): VN058350.D (-693) (-)

4.30

100000

80000

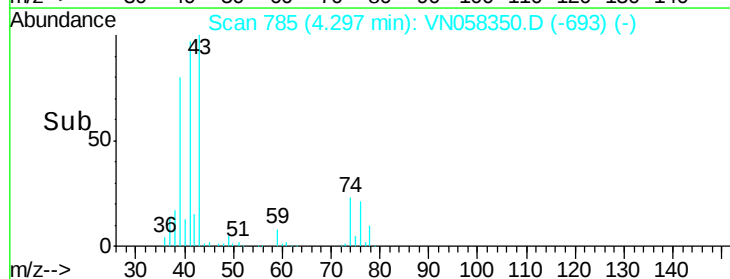
60000

40000

20000

0

Time-->

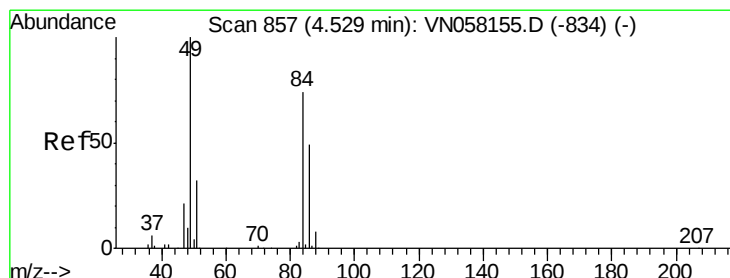
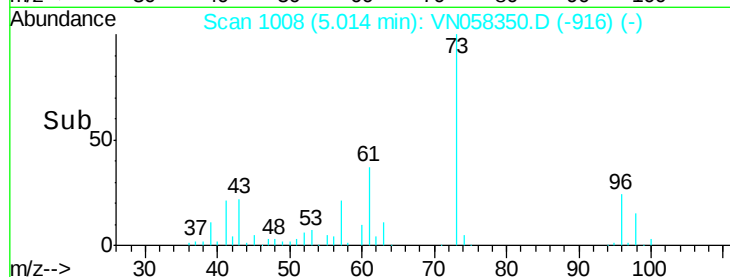
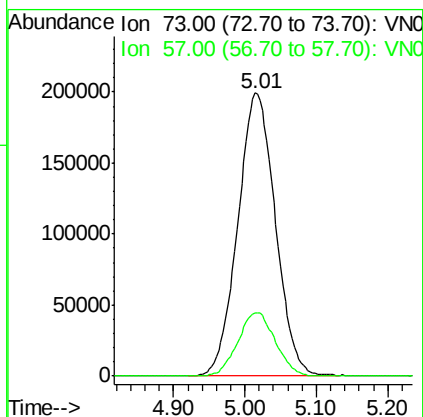
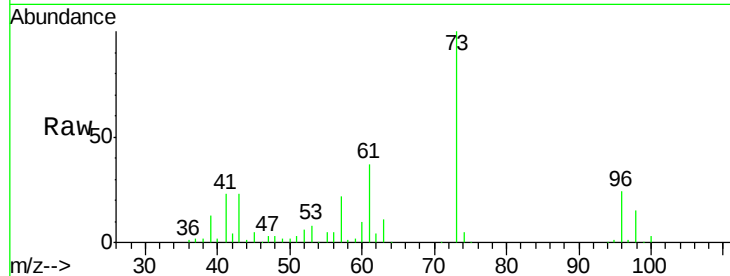




#19
Methvl tert-butvl Ether
Concen: 50.768 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

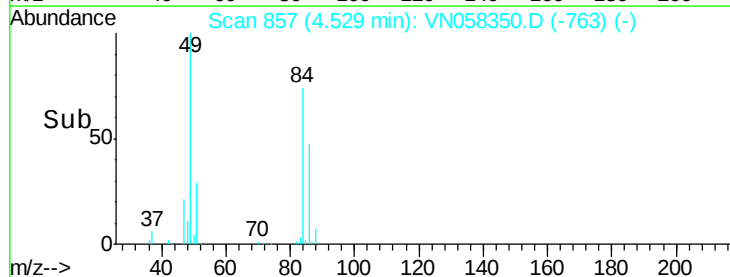
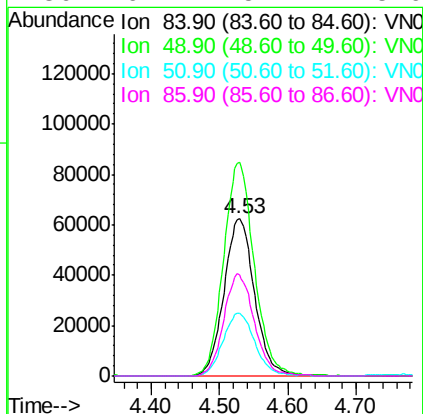
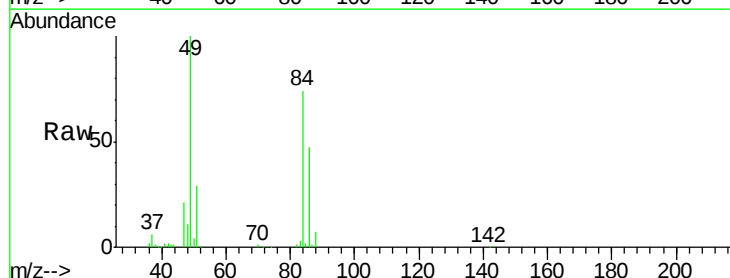
Instrument :
MSVOA_N
ClientSampled :

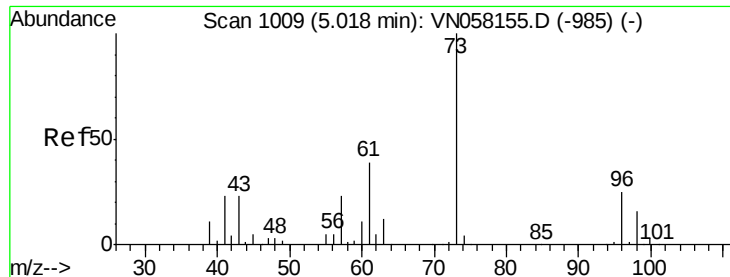
Tot Ion: 73 Resp: 730951
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1



#20
Methylene Chloride
Concen: 49.710 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion: 84 Resp: 194296
Ion Ratio Lower Upper
84 100
49 136.0 107.5 161.3
51 39.9 33.9 50.9
86 64.1 52.4 78.6

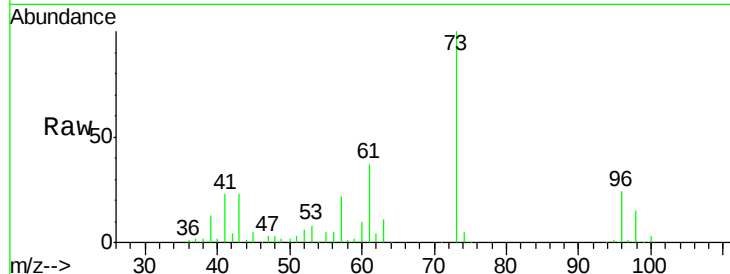




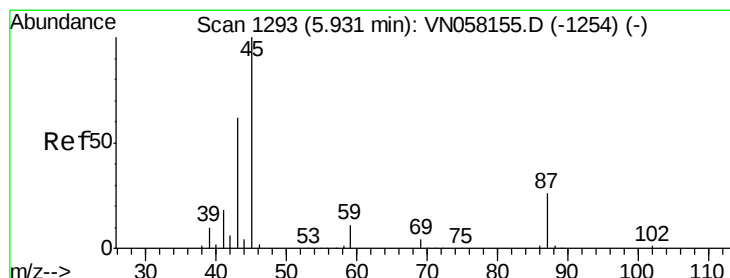
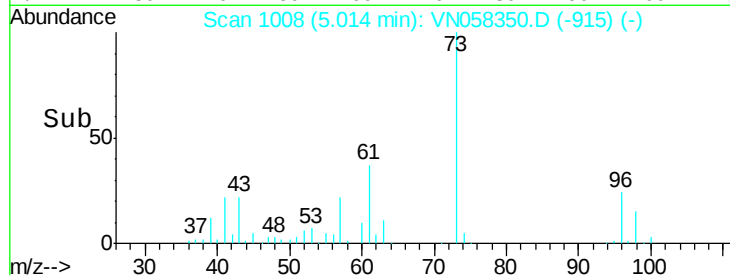
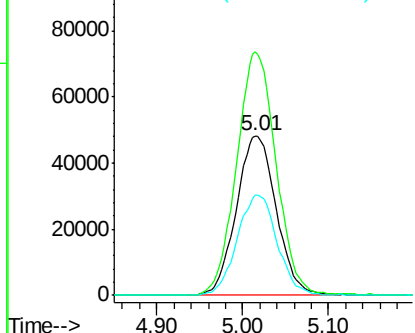
#21
trans-1,2-Dichloroethene
Concen: 49.227 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 155417
Ion Ratio Lower Upper
96 100
61 152.5 122.2 183.4
98 63.0 49.9 74.9

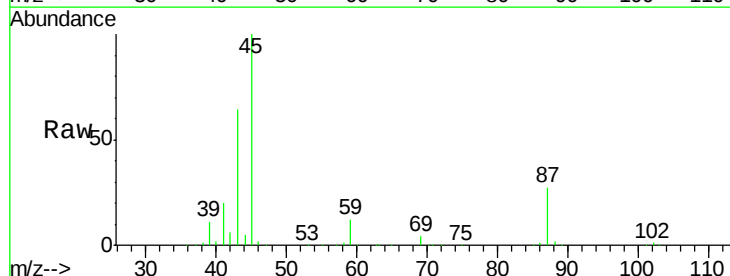


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

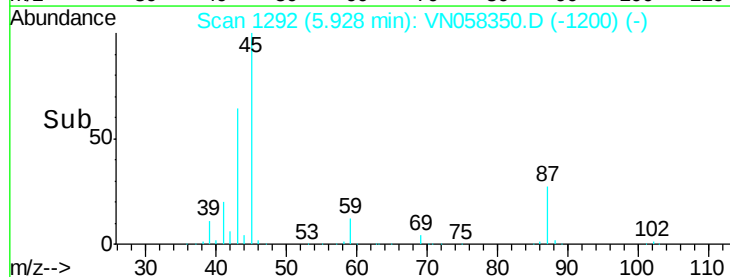
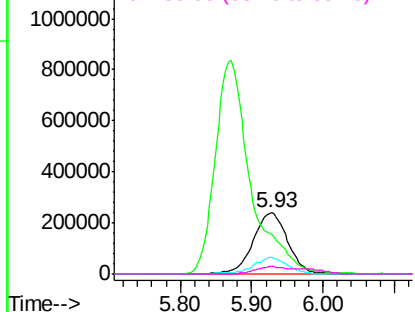


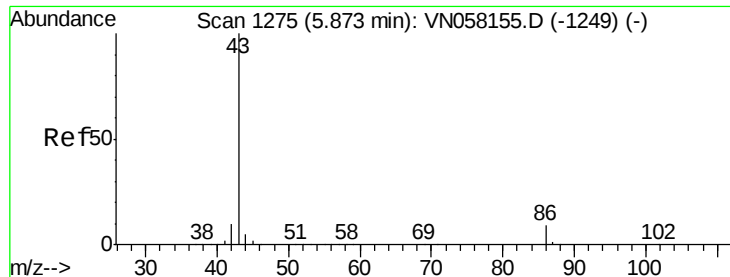
#22
Diisopropyl ether
Concen: 51.039 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion: 45 Resp: 809841
Ion Ratio Lower Upper
45 100
43 62.7 49.7 74.5
87 26.3 20.7 31.1
59 11.8 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 265.642 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

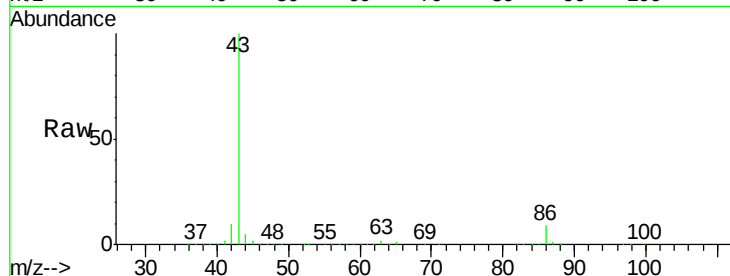
ClientSampled :

Tot Ion: 43 Resp: 2884150

Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN058350.D (-1182) (-)

Ion 86.00 (85.70 to 86.70): VN058350.D (-1182) (-)

5.87

800000

600000

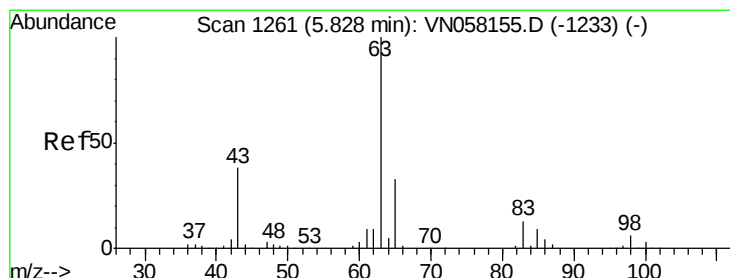
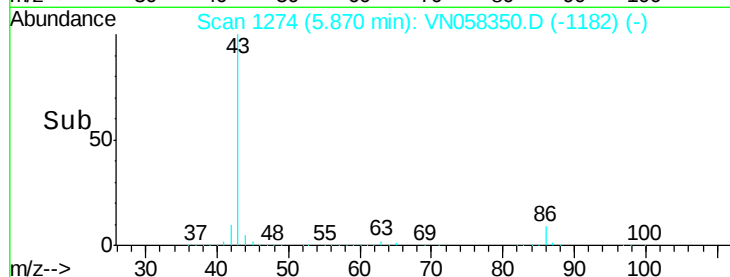
400000

200000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 49.316 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

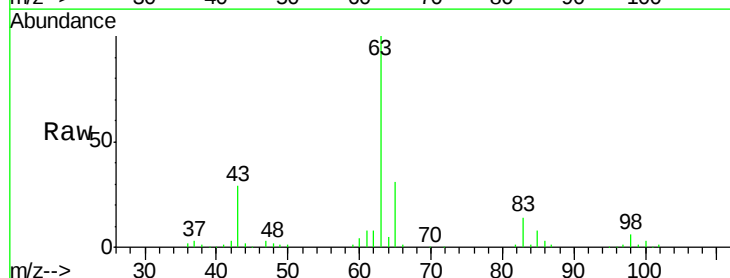
Tgt Ion: 63 Resp: 417645

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

100 3.4 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN058350.D (-1168) (-)

Ion 97.90 (97.60 to 98.60): VN058350.D (-1168) (-)

Ion 99.90 (99.60 to 100.60): VN058350.D (-1168) (-)

5.82

150000

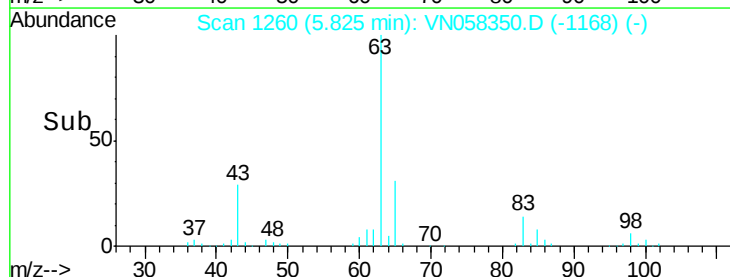
100000

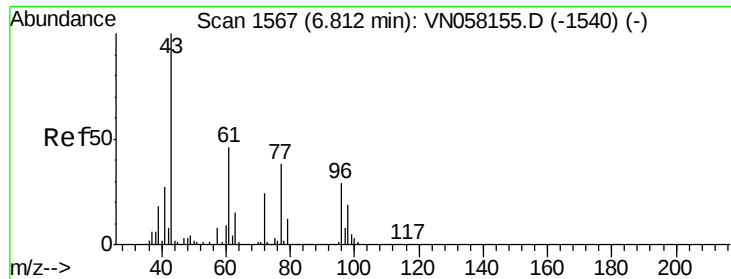
50000

0

Time-->

5.70 5.80 5.90





#25

2-Butanone

Concen: 272.066 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

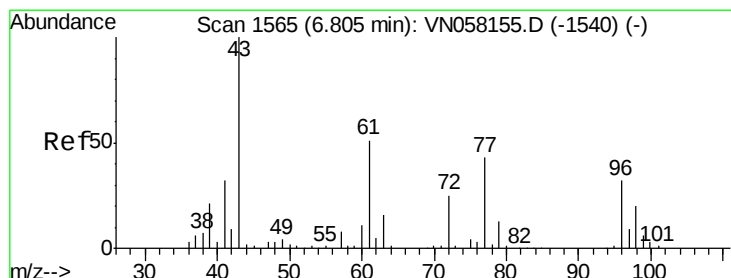
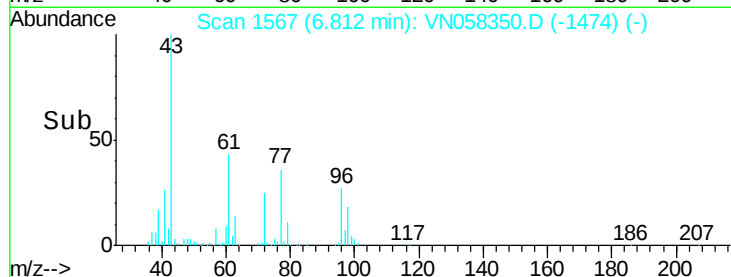
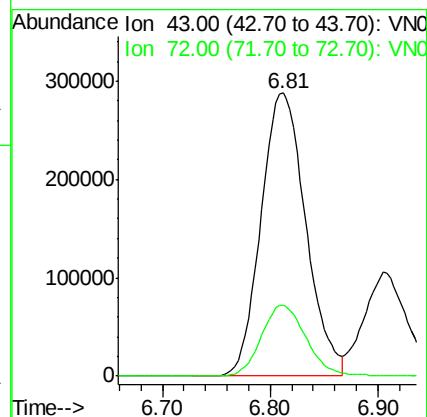
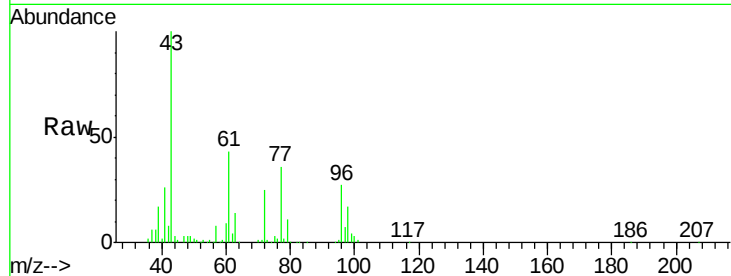
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 827460

Ion Ratio Lower Upper

43 100

72 25.1 19.5 29.3



#26

2,2-Dichloropropane

Concen: 50.122 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058350.D

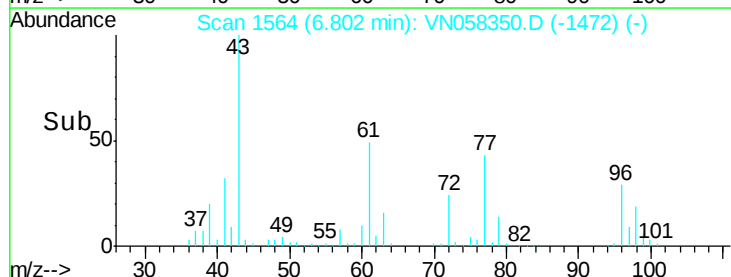
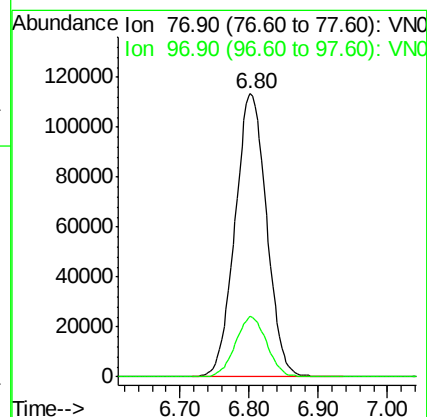
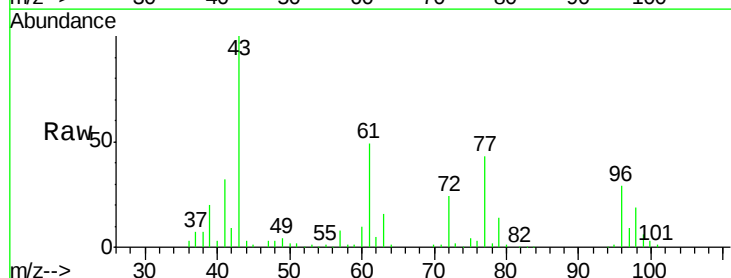
Acq: 25 Sep 2019 8:43

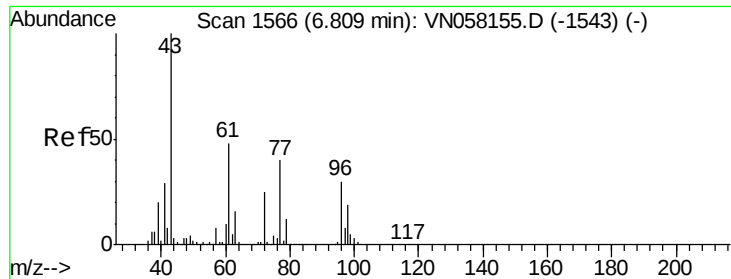
Tgt Ion: 77 Resp: 360105

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 48.615 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :

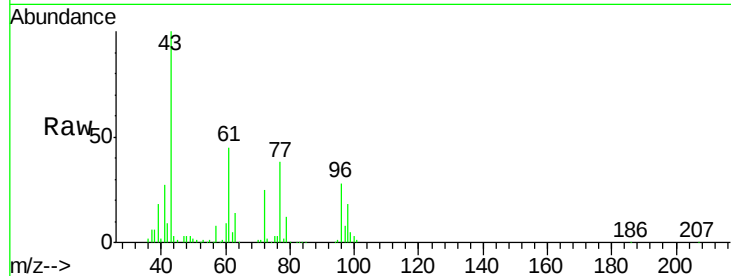
Tot Ion: 96 Resp: 232793

Ion Ratio Lower Upper

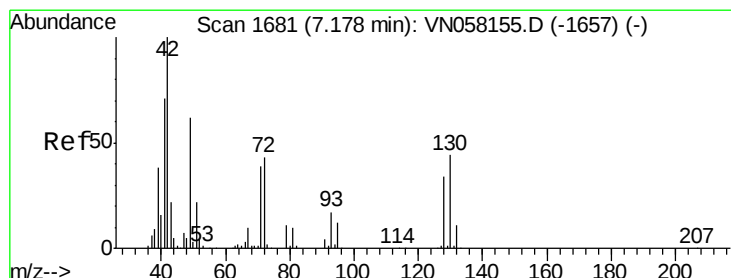
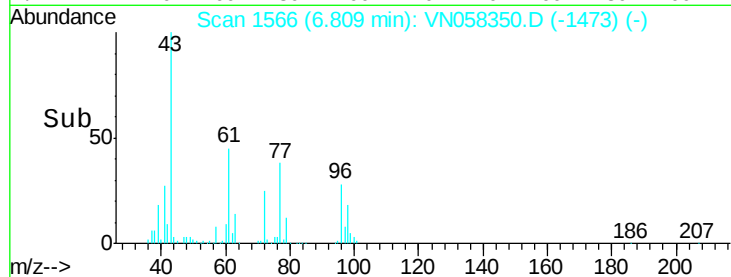
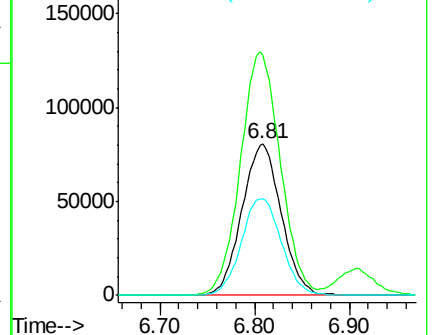
96 100

61 162.6 0.0 319.0

98 65.3 0.0 126.6



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: 51.128 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

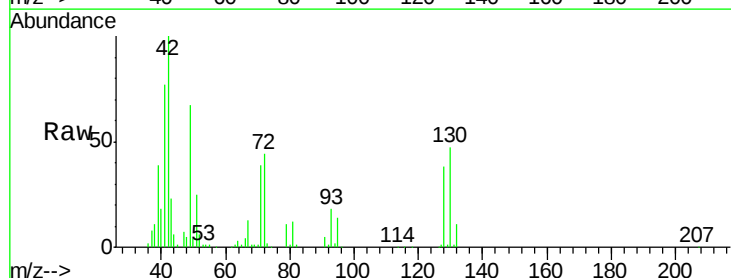
Tgt Ion: 49 Resp: 204828

Ion Ratio Lower Upper

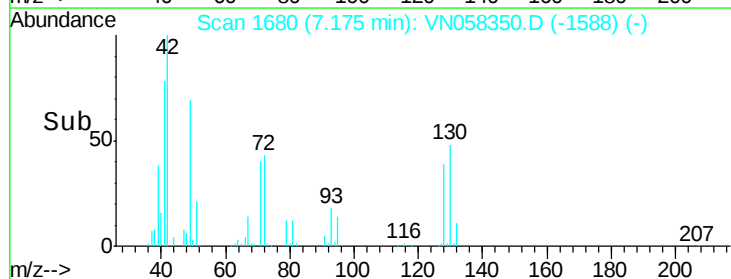
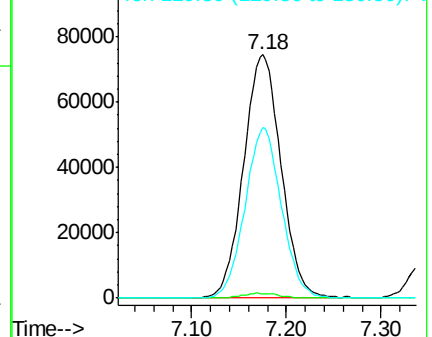
49 100

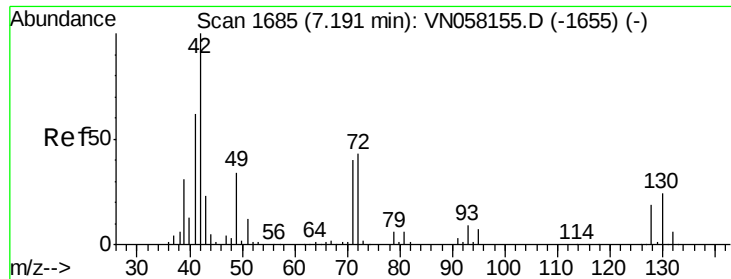
129 1.9 0.0 1.8#

130 68.0 55.4 83.2



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

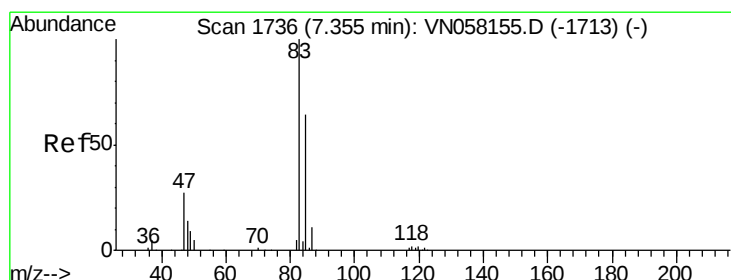
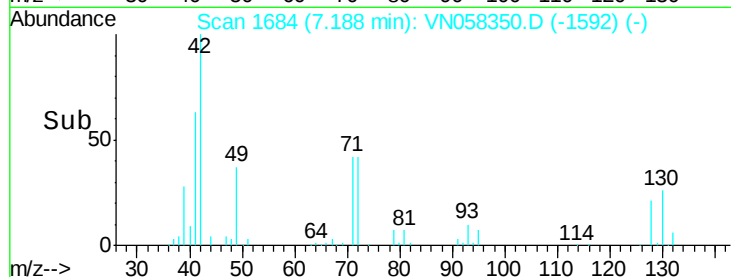
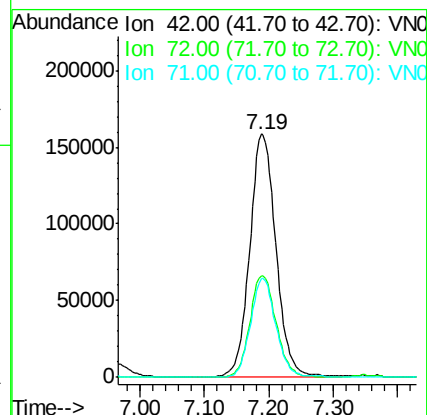
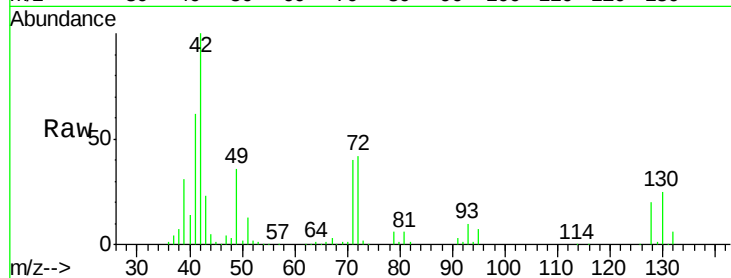




#29
Tetrahydrofuran
Concen: 238.909 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

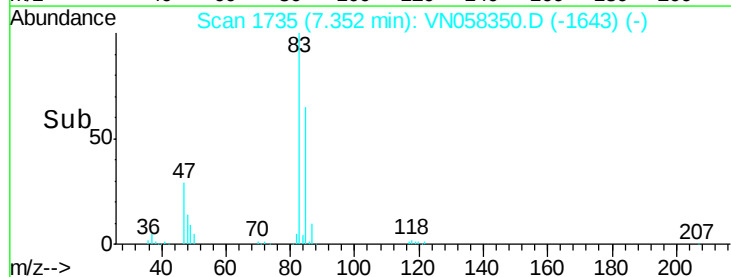
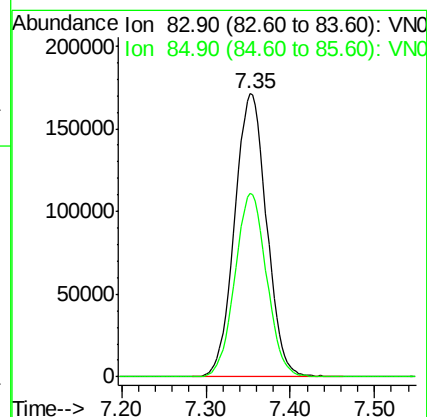
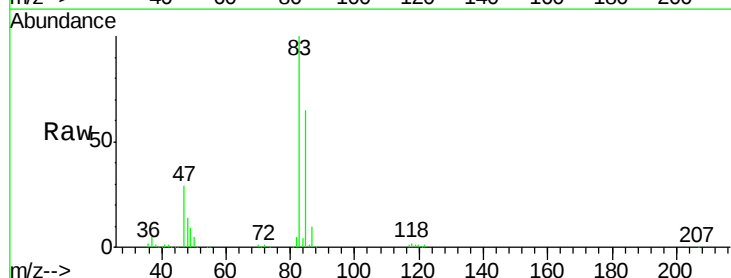
Instrument :
MSVOA_N
ClientSampled :

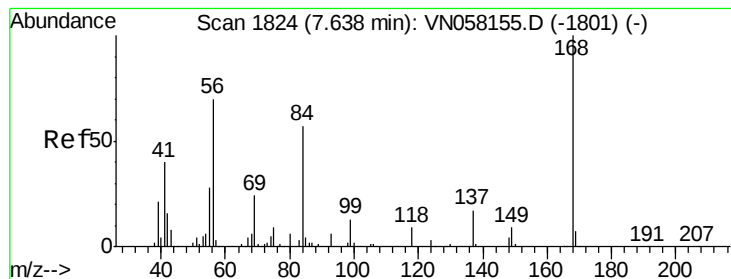
Tot Ion: 42 Resp: 447576
Ion Ratio Lower Upper
42 100
72 42.0 33.8 50.6
71 39.5 31.4 47.0



#30
Chloroform
Concen: 49.626 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion: 83 Resp: 452379
Ion Ratio Lower Upper
83 100
85 65.1 51.4 77.2





#31

Cyclohexane

Concen: 47.736 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampled :

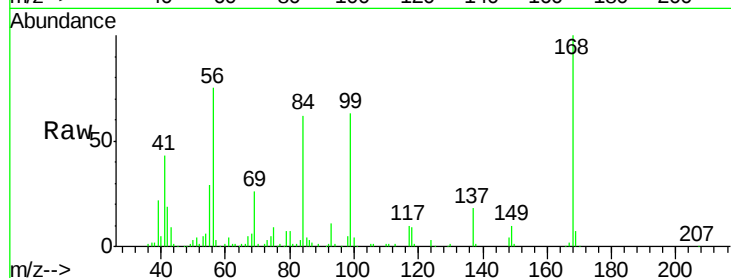
Tot Ion: 56 Resp: 261914

Ion Ratio Lower Upper

56 100

69 35.1 27.3 40.9

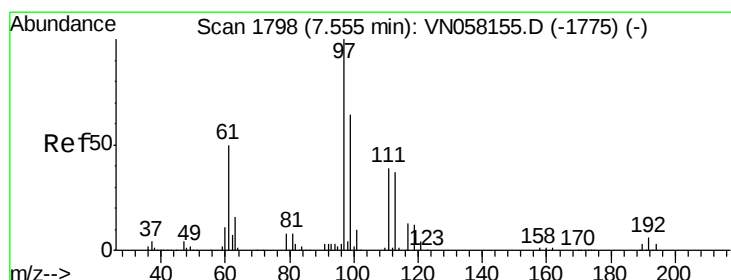
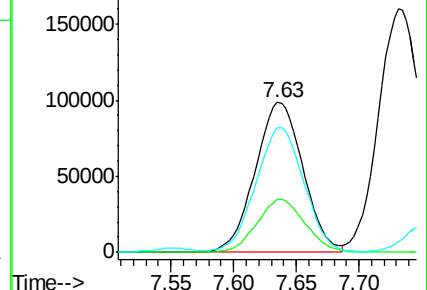
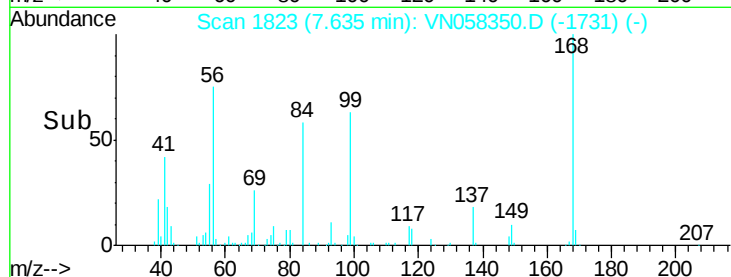
84 81.4 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN058350.D (-1731) (-)

Ion 69.00 (68.70 to 69.70): VN058350.D (-1731) (-)

Ion 84.00 (83.70 to 84.70): VN058350.D (-1731) (-)



#32

1,1,1-Trichloroethane

Concen: 51.436 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

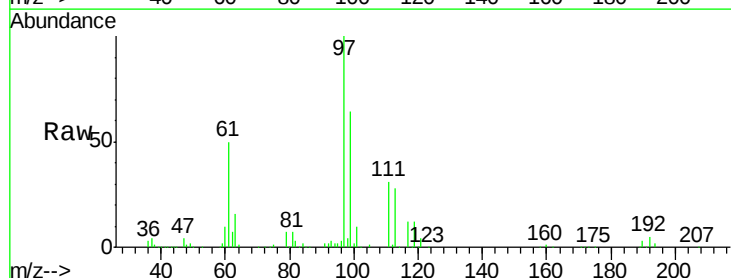
Tgt Ion: 97 Resp: 356948

Ion Ratio Lower Upper

97 100

99 63.7 50.9 76.3

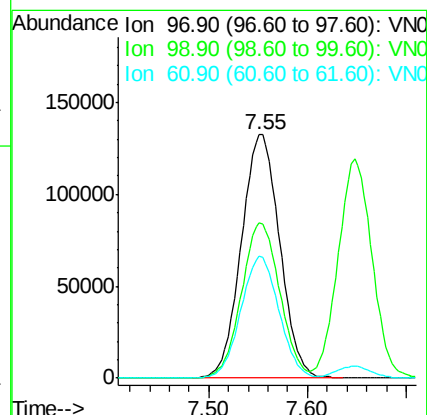
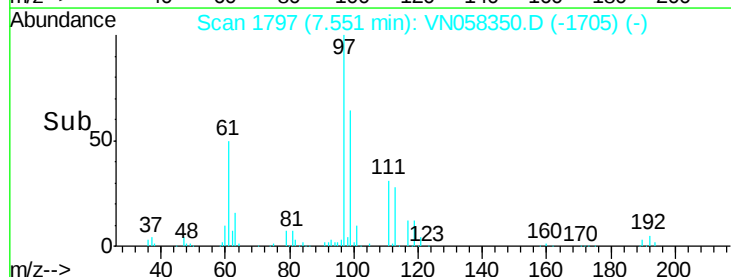
61 49.9 39.2 58.8

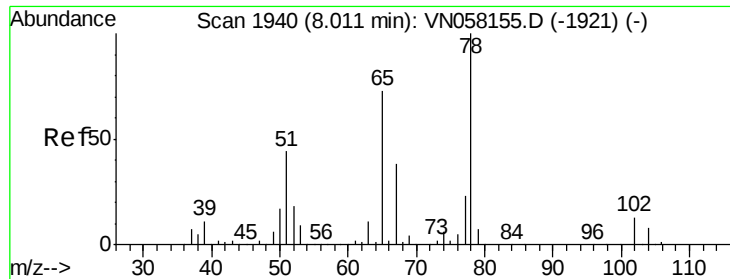


Abundance Ion 96.90 (96.60 to 97.60): VN058350.D (-1705) (-)

Ion 98.90 (98.60 to 99.60): VN058350.D (-1705) (-)

Ion 60.90 (60.60 to 61.60): VN058350.D (-1705) (-)

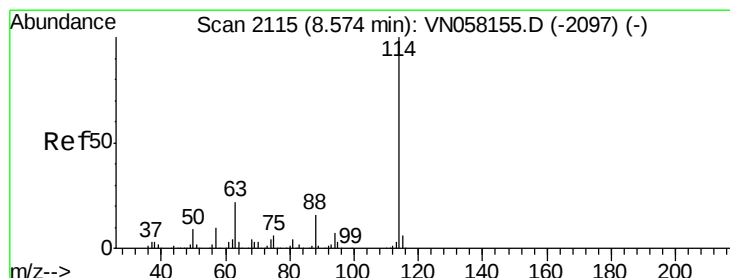
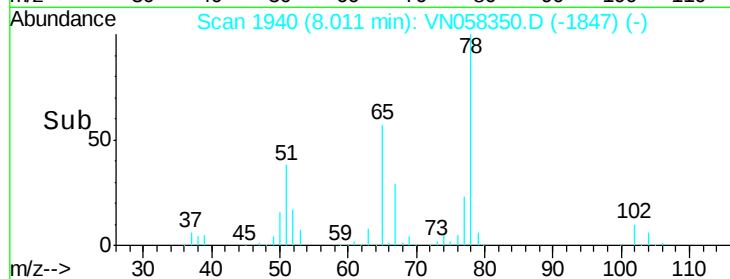
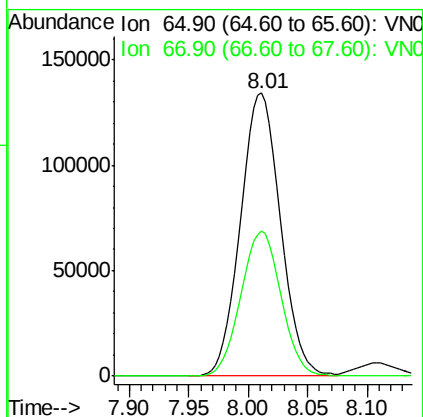
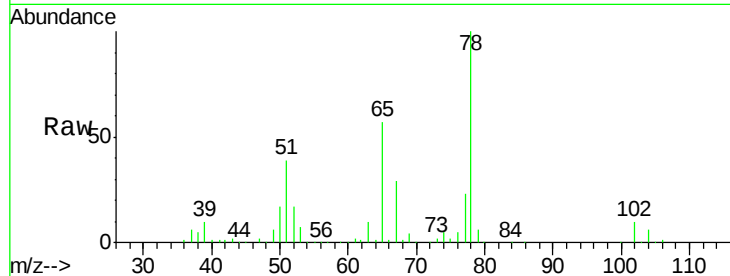




#33
 1,2-Dichloroethane-d4
 Concen: 47.613 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

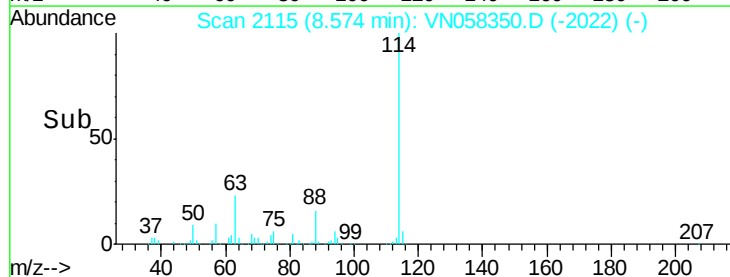
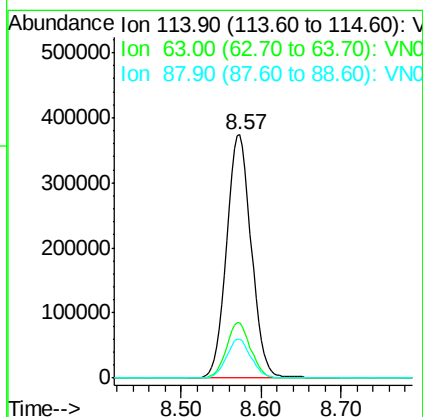
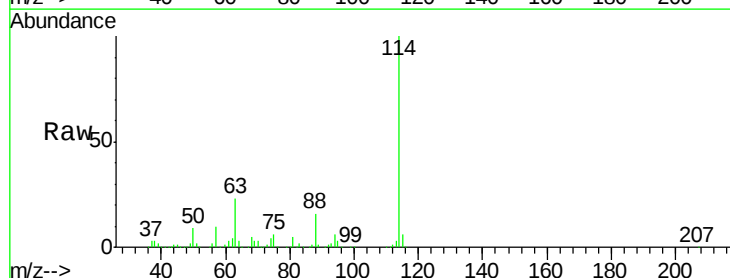
Instrument :
 MSVOA_N
 ClientSampled :

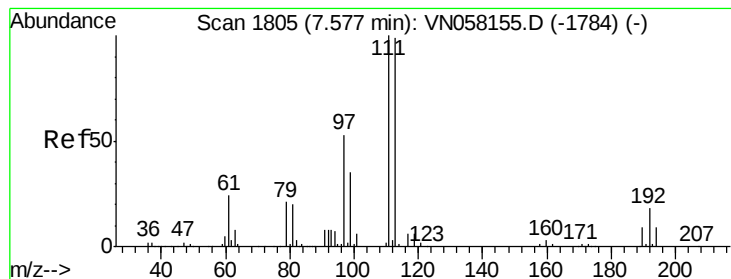
Tot Ion: 65 Resp: 313138
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion: 114 Resp: 788755
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.2
 88 16.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.597 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

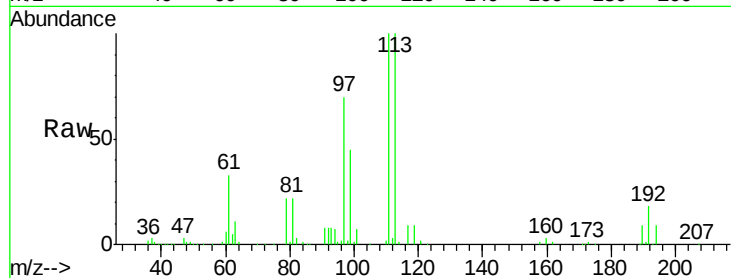
Tot Ion:113 Resp: 228226

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.6

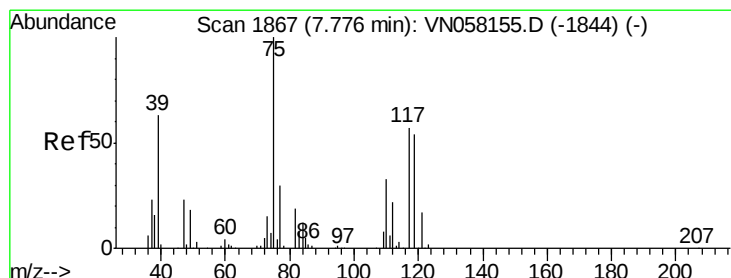
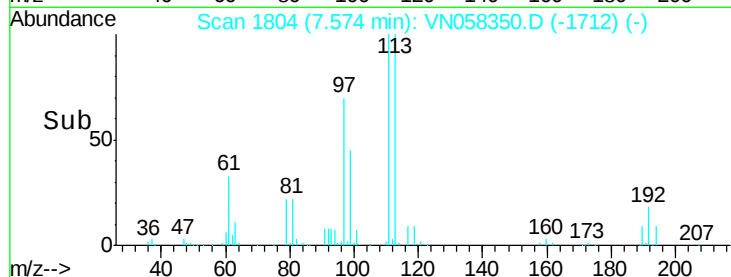
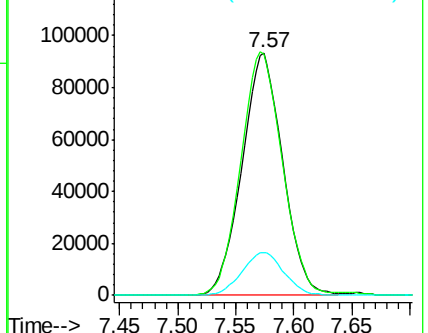
192 18.2 14.5 21.7



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: 45.361 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

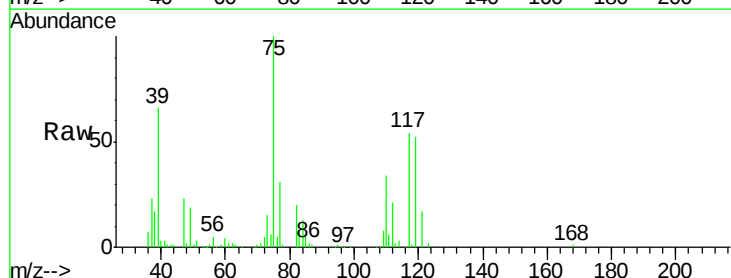
Tgt Ion: 75 Resp: 258015

Ion Ratio Lower Upper

75 100

110 33.3 16.6 49.7

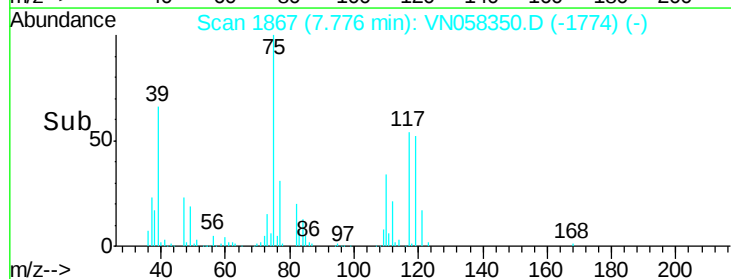
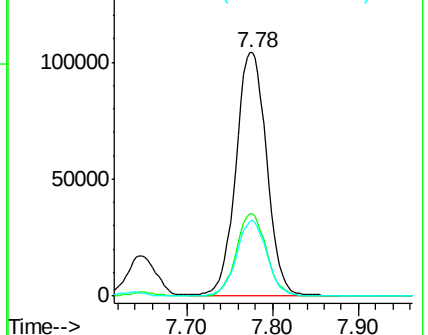
77 30.7 24.3 36.5



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: 50.099 ug/l

RT: 6.91 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :

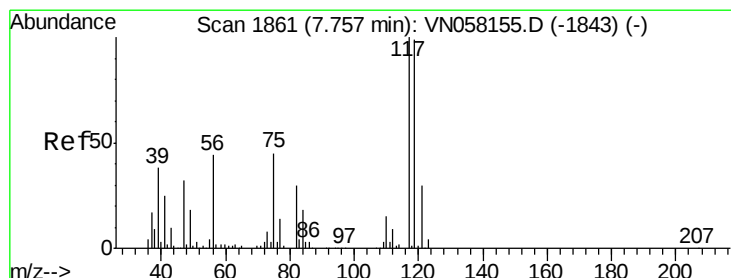
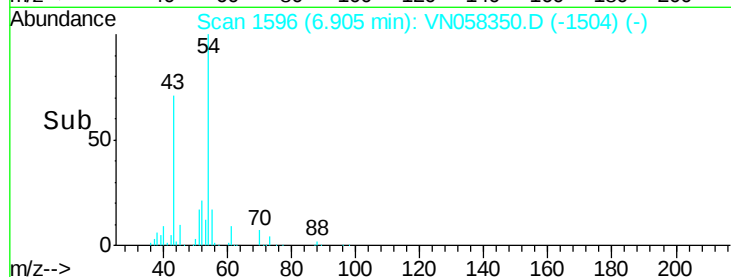
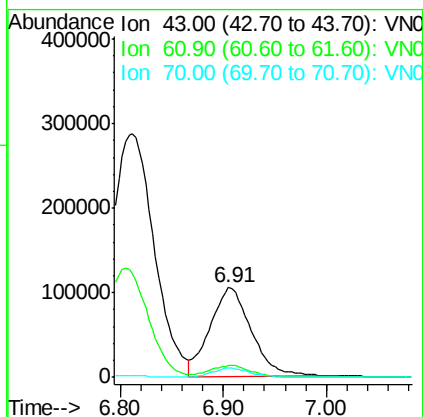
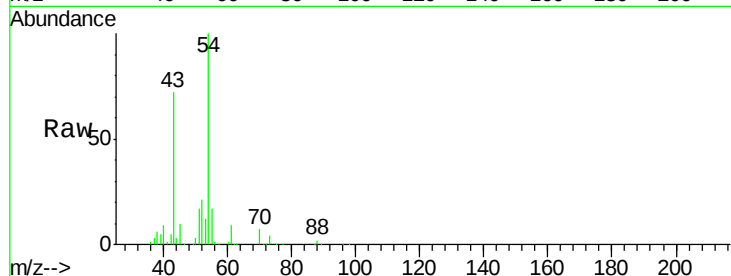
Tot Ion: 43 Resp: 295735

Ion Ratio Lower Upper

43 100

61 12.6 10.7 16.1

70 9.6 7.6 11.4



#38

Carbon Tetrachloride

Concen: 49.839 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

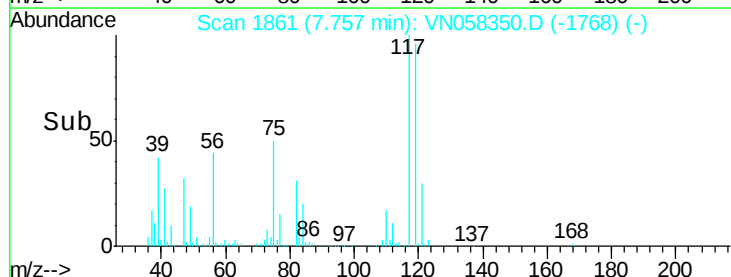
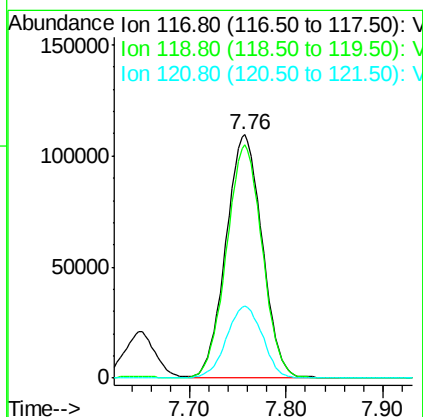
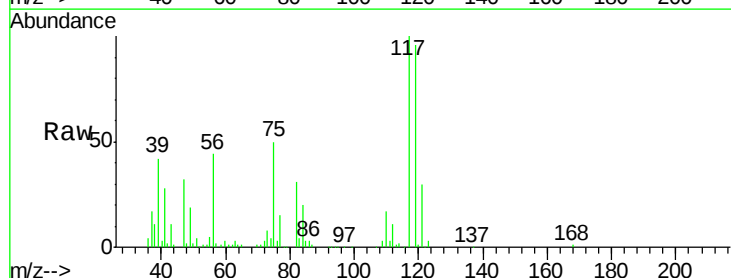
Tgt Ion: 117 Resp: 284968

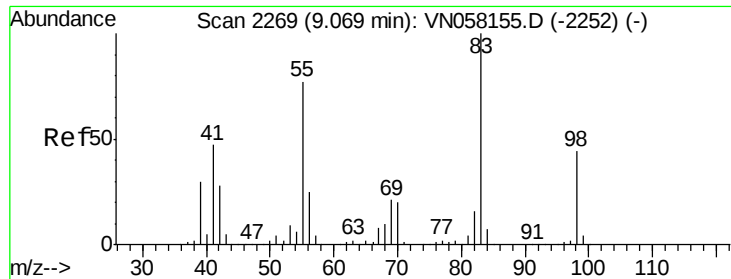
Ion Ratio Lower Upper

117 100

119 95.7 78.6 117.8

121 29.6 24.1 36.1

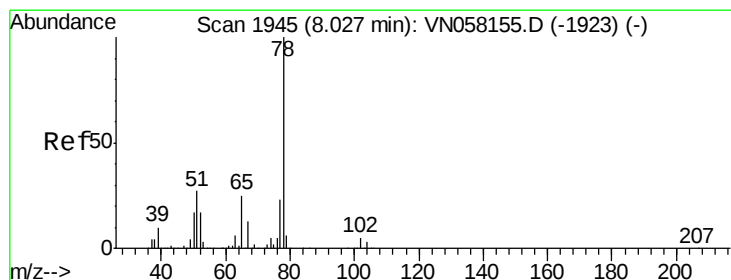
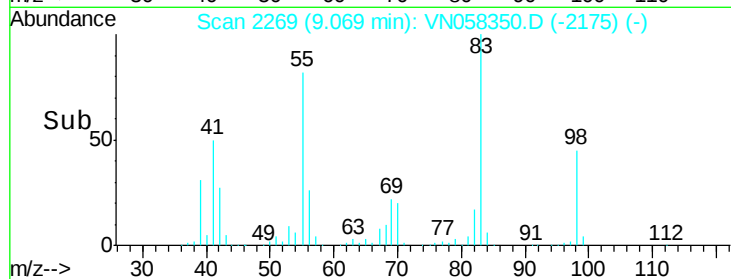
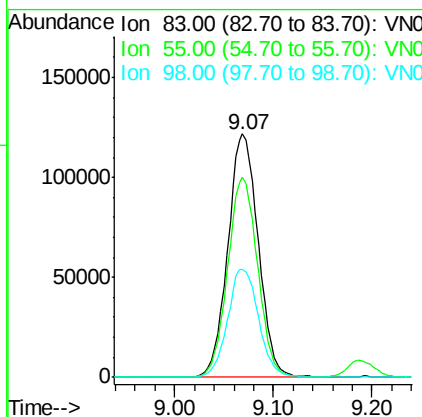
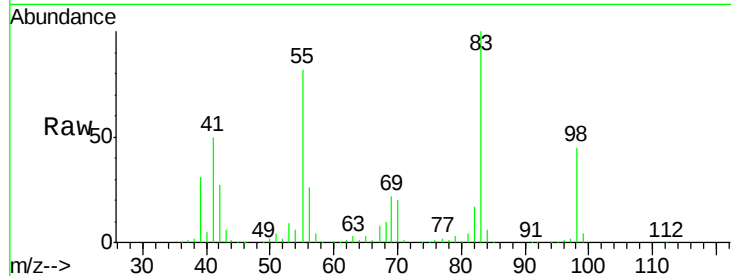




#39
Methvlcvclohexane
Concen: 47.655 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

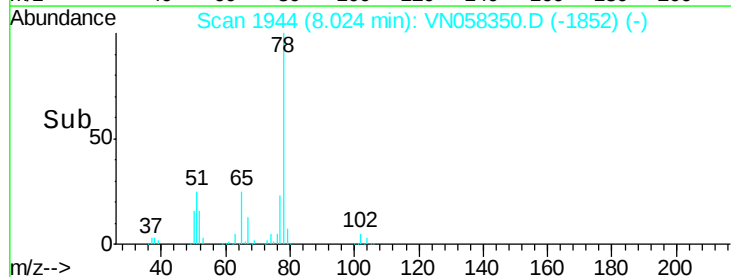
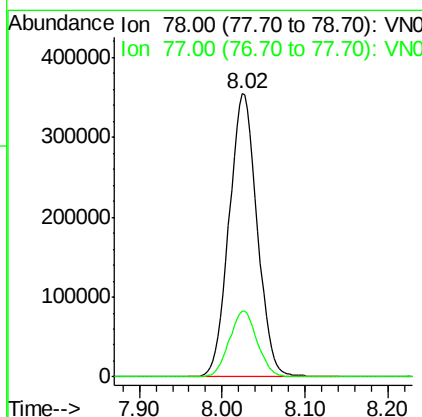
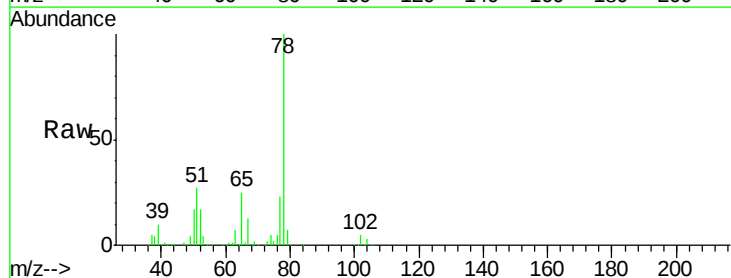
Instrument :
MSVOA_N
ClientSampled :

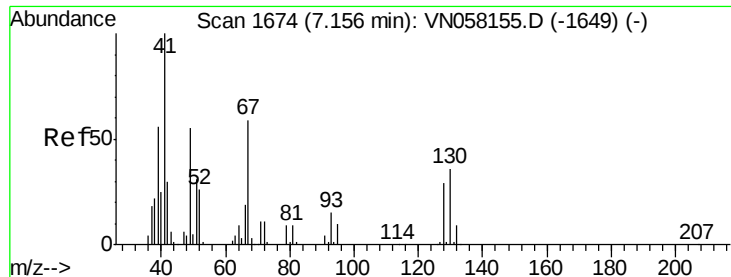
Tot Ion	83	Resp	262067
Ion Ratio	Lower	Upper	
83	100		
55	81.9	61.9	92.9
98	44.5	35.4	53.2



#40
Benzene
Concen: 48.119 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion	78	Resp	835986
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.8	28.2





#41

Methacrylonitrile

Concen: 48.863 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 145245

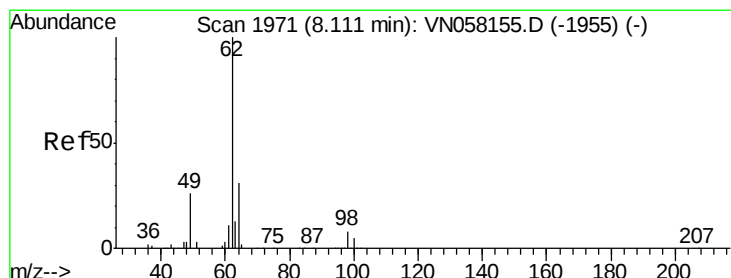
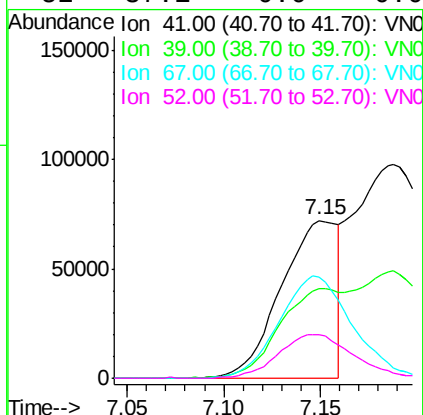
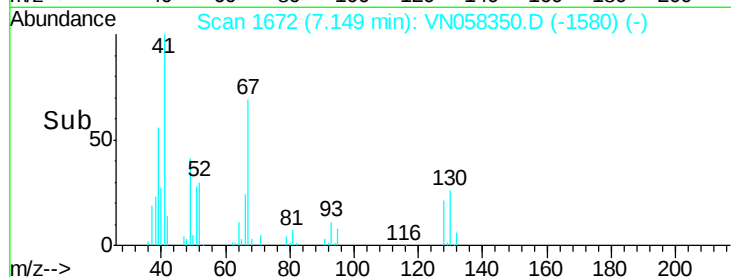
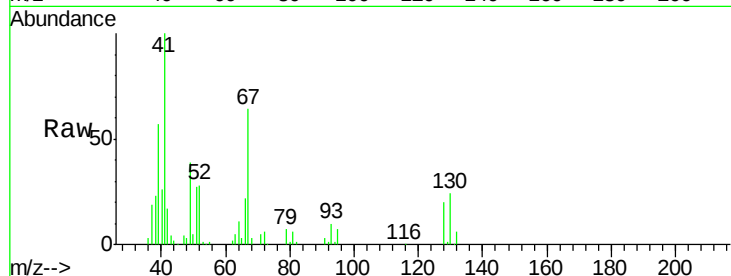
Ion Ratio Lower Upper

41 100

39 58.6 0.0 0.0#

67 85.8 0.0 0.0#

52 37.1 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 49.396 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VN058350.D

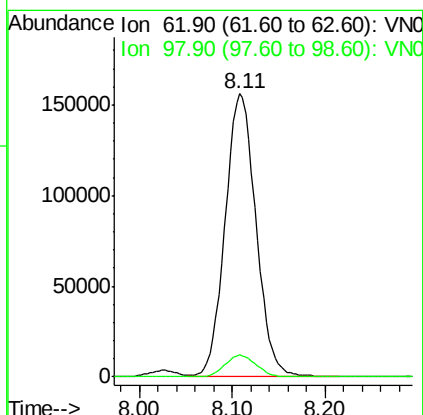
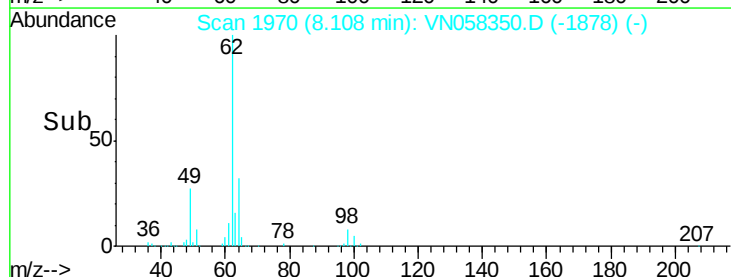
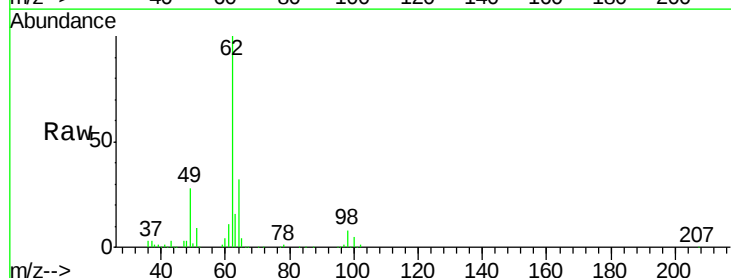
Acq: 25 Sep 2019 8:43

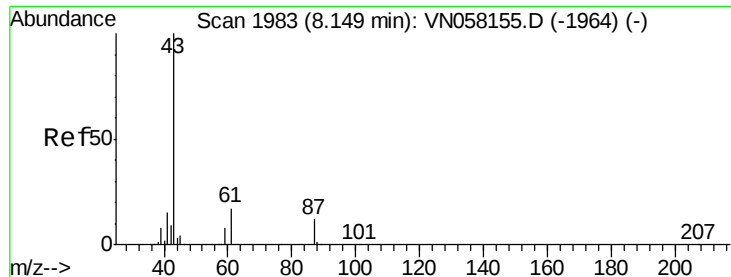
Tgt Ion: 62 Resp: 360095

Ion Ratio Lower Upper

62 100

98 7.9 0.0 15.6



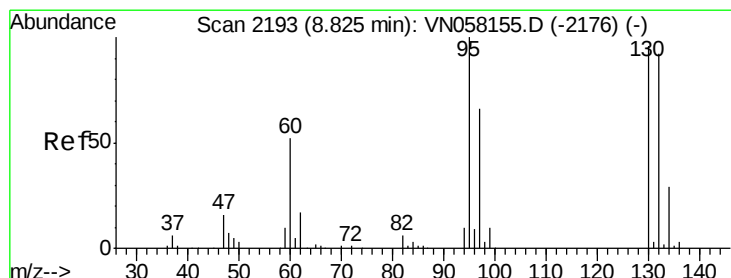
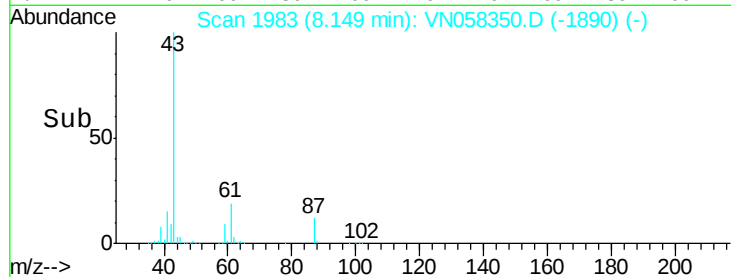
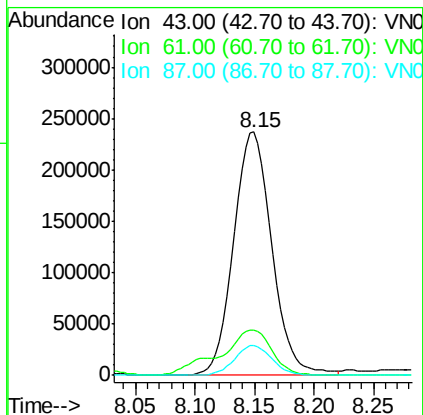
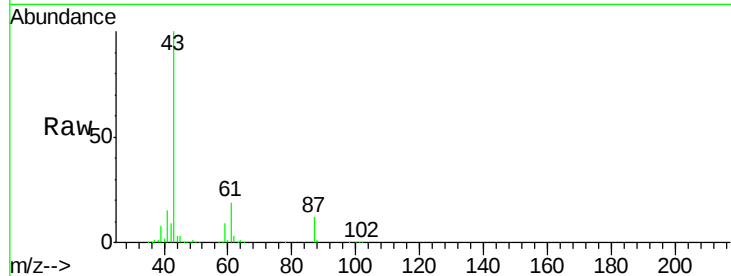


#43

Isopropyl Acetate
 Concen: 47.668 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :

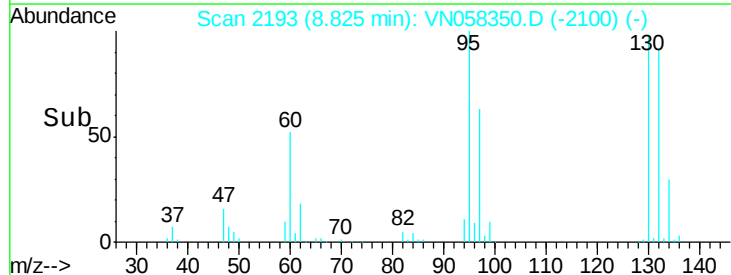
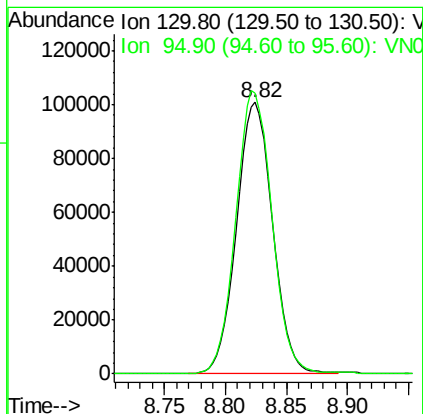
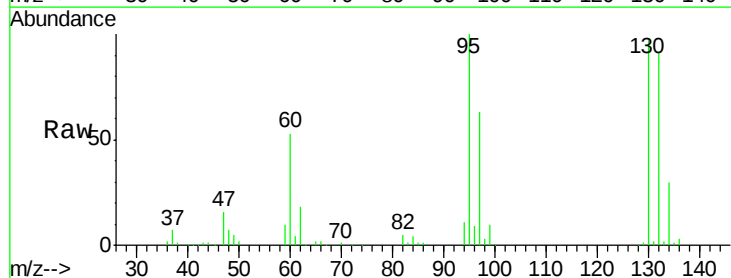
Tot Ion: 43 Resp: 525514
 Ion Ratio Lower Upper
 43 100
 61 25.2 19.7 29.5
 87 12.1 9.4 14.2

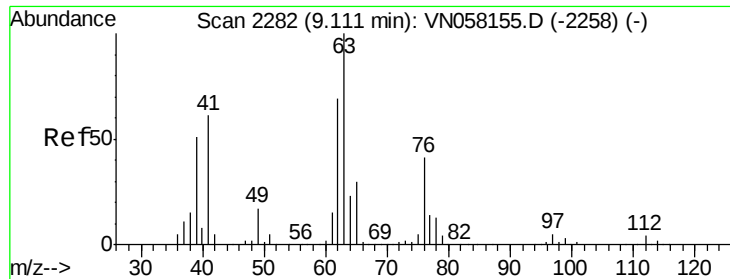


#44

Trichloroethene
 Concen: 48.483 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion: 130 Resp: 206124
 Ion Ratio Lower Upper
 130 100
 95 103.2 0.0 207.8

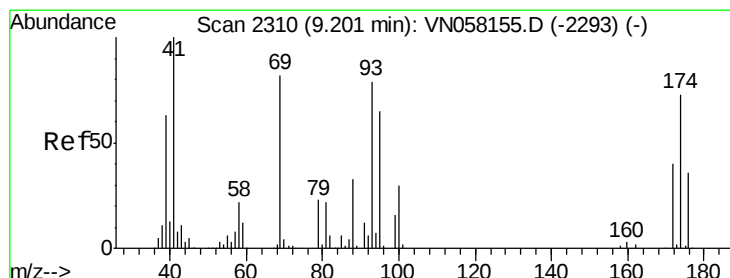
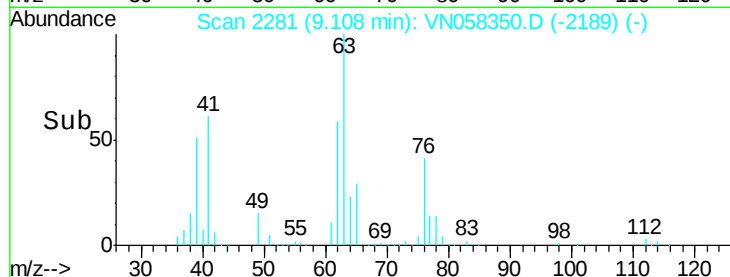
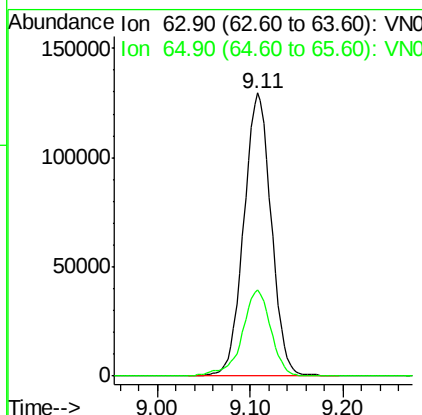
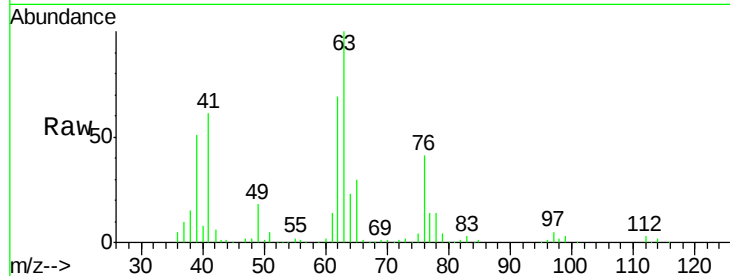




#45
 1,2-Dichloropropane
 Concen: 51.363 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

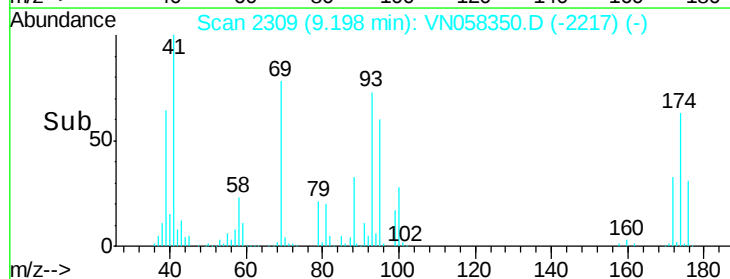
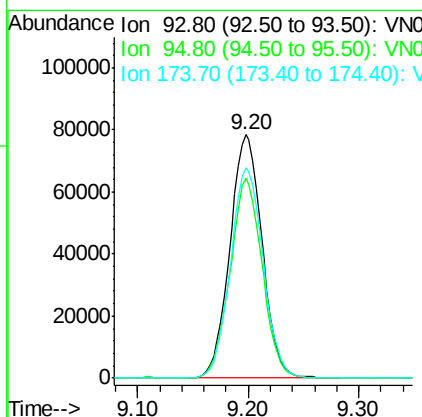
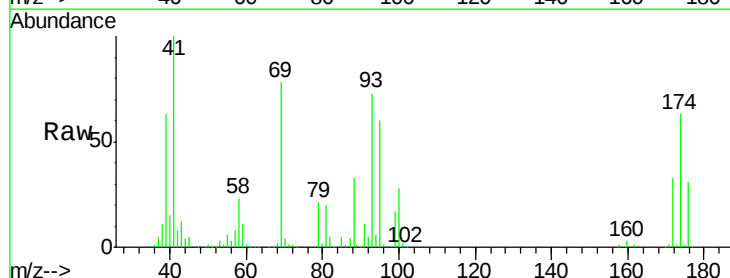
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 266490
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.8 35.6



#46
 Dibromomethane
 Concen: 50.204 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion: 93 Resp: 158365
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.8 100.2
 174 88.1 73.8 110.8





#47

Bromodichloromethane

Concen: 53.894 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampled :

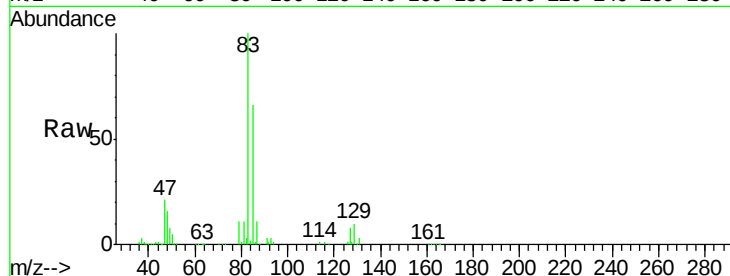
Tot Ion: 83 Resp: 356156

Ion Ratio Lower Upper

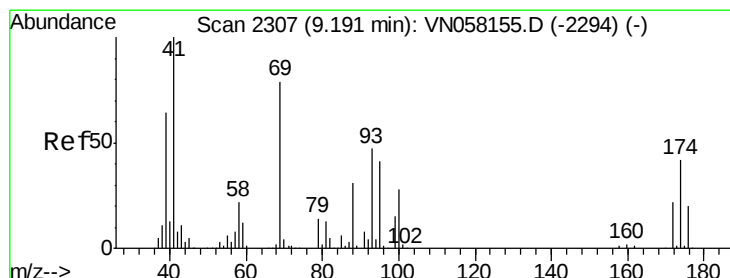
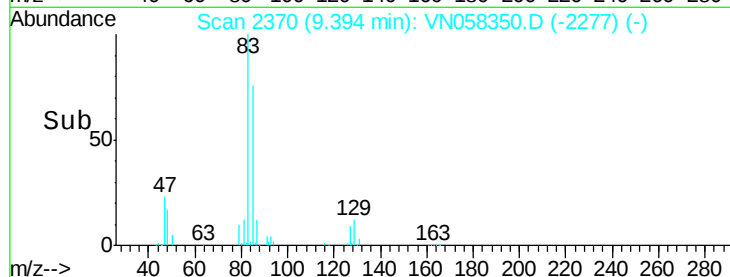
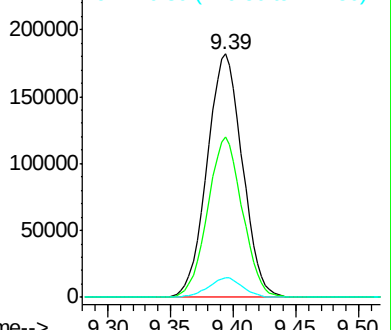
83 100

85 65.7 50.1 75.1

127 7.9 6.4 9.6



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): V



#48

Methyl methacrylate

Concen: 50.851 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

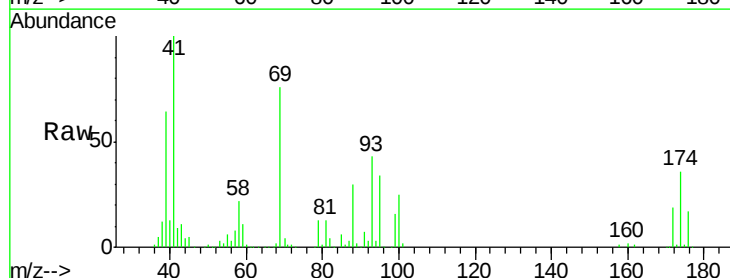
Tgt Ion: 41 Resp: 254539

Ion Ratio Lower Upper

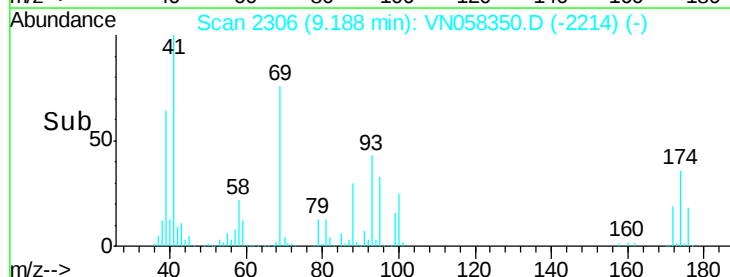
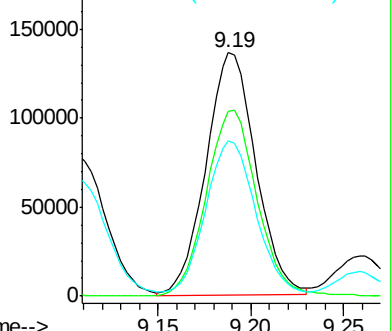
41 100

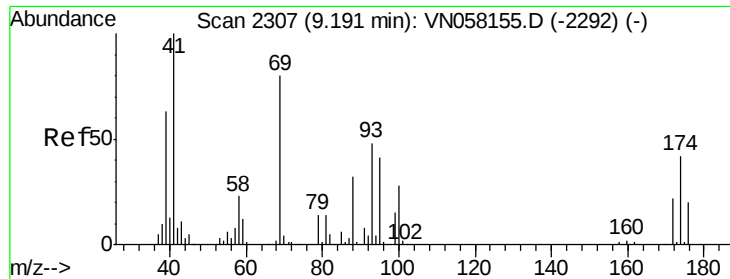
69 78.6 62.5 93.7

39 65.0 52.3 78.5



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: 1039.775 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampled :

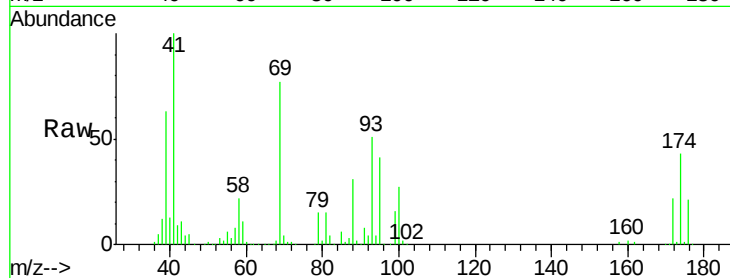
Tot Ion: 88 Resp: 85451

Ion Ratio Lower Upper

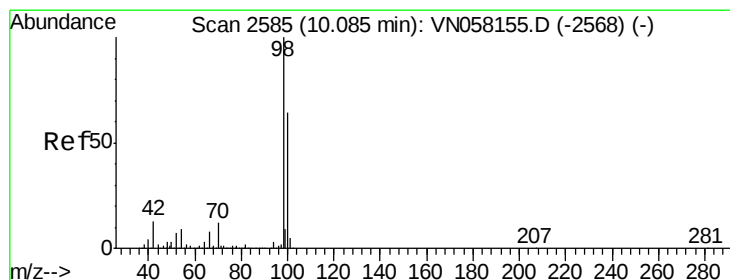
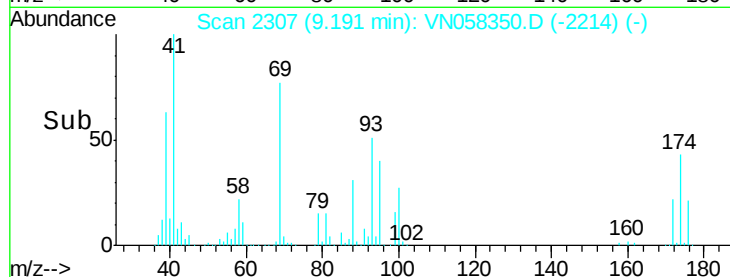
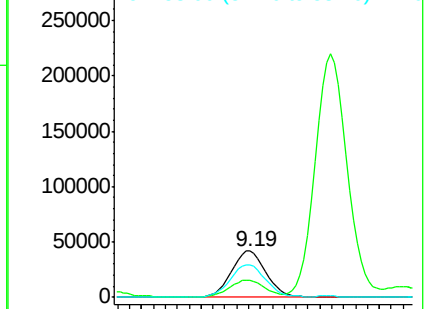
88 100

43 35.1 27.8 41.8

58 72.0 55.0 82.4



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: 47.371 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058350.D

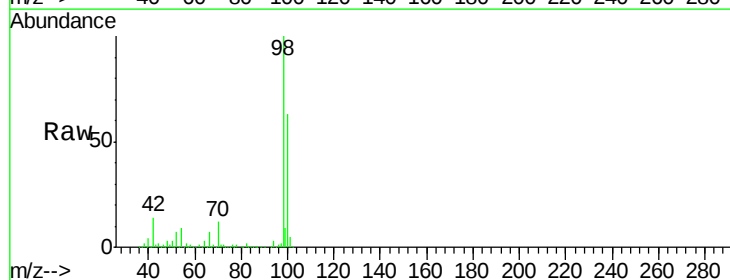
Acq: 25 Sep 2019 8:43

Tgt Ion: 98 Resp: 884999

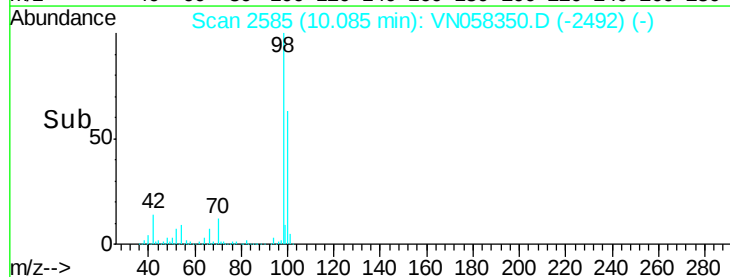
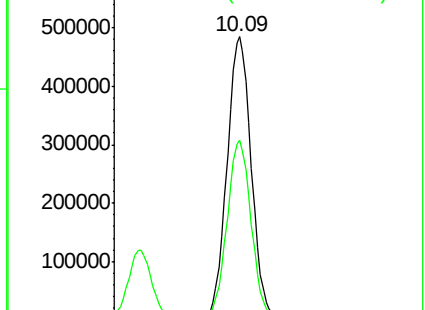
Ion Ratio Lower Upper

98 100

100 63.3 51.1 76.7



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: 277.821 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

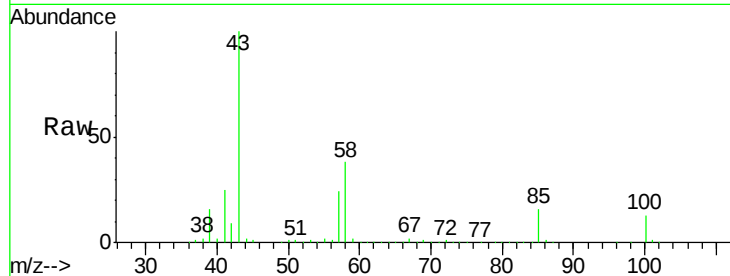
ClientSampleId :

Tot Ion: 43 Resp: 1626839

Ion Ratio Lower Upper

43 100

58 37.1 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN058350.D (-2459) (-)

Ion 58.00 (57.70 to 58.70): VN058350.D (-2459) (-)

9.98

800000

600000

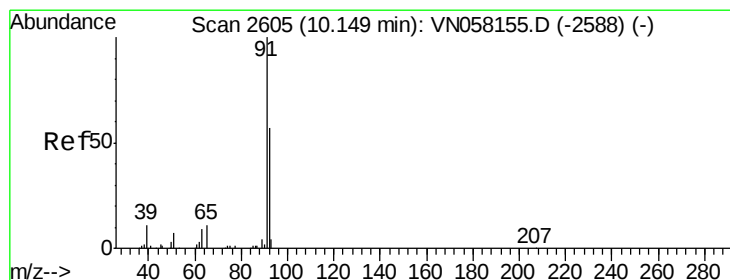
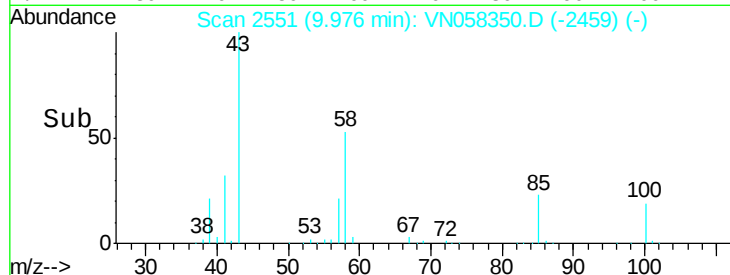
400000

200000

0

Time-->

9.90 10.00 10.10



#52

Toluene

Concen: 48.603 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058350.D

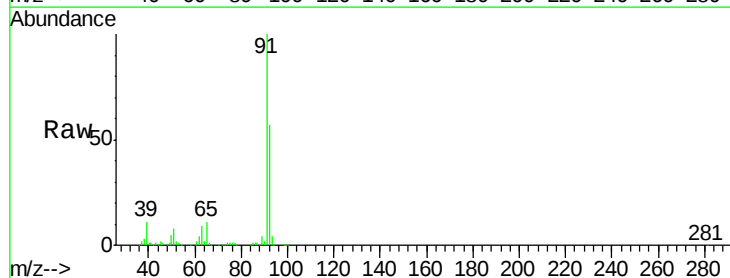
Acq: 25 Sep 2019 8:43

Tgt Ion: 92 Resp: 529189

Ion Ratio Lower Upper

92 100

91 177.4 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN058350.D (-2512) (-)

Ion 91.00 (90.70 to 91.70): VN058350.D (-2512) (-)

10.15

600000

500000

400000

300000

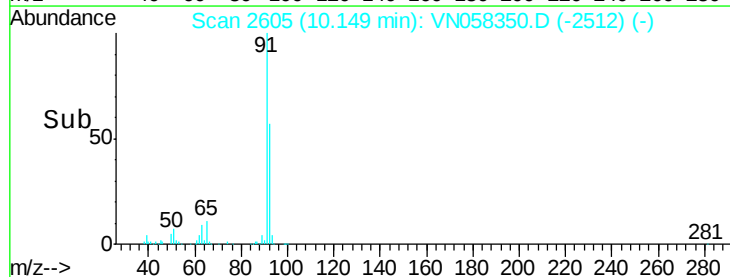
200000

100000

0

Time-->

10.10 10.20 10.30





#53

t-1,3-Dichloropropene

Concen: 54.791 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

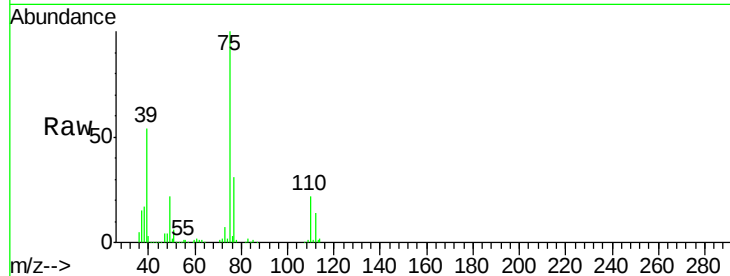
ClientSampleId :

Tot Ion: 75 Resp: 370899

Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

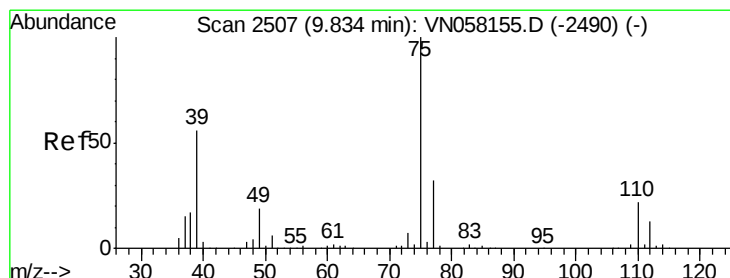
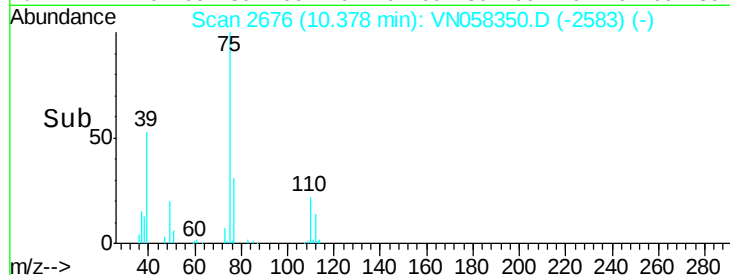
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.789 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

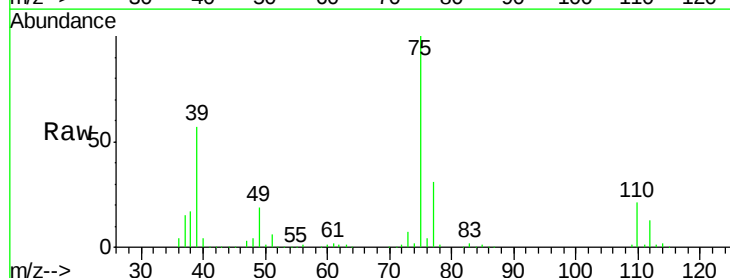
Tgt Ion: 75 Resp: 402009

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 56.8 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

300000

250000

200000

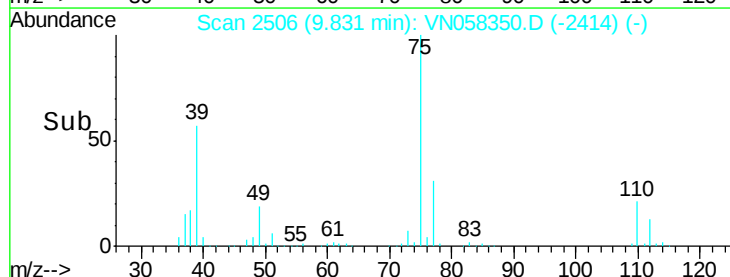
150000

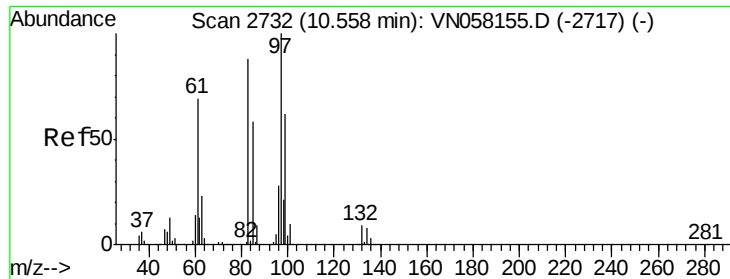
100000

50000

0

Time-->

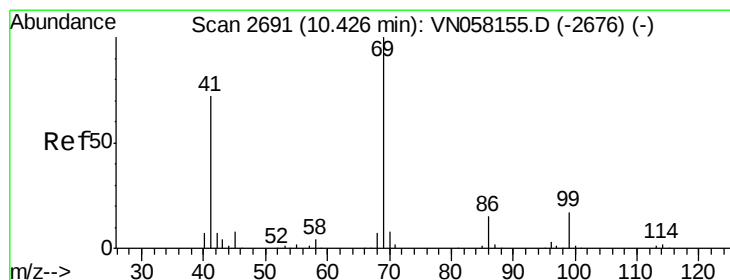
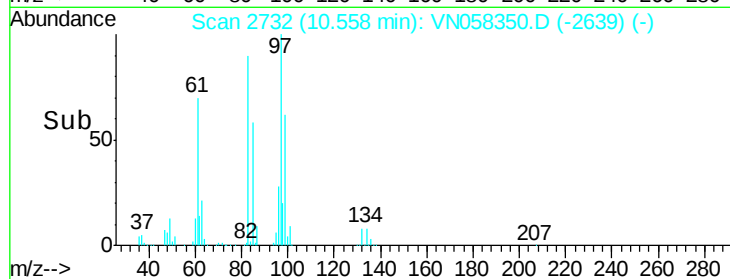
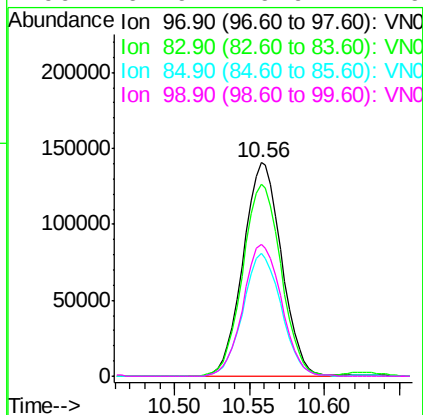
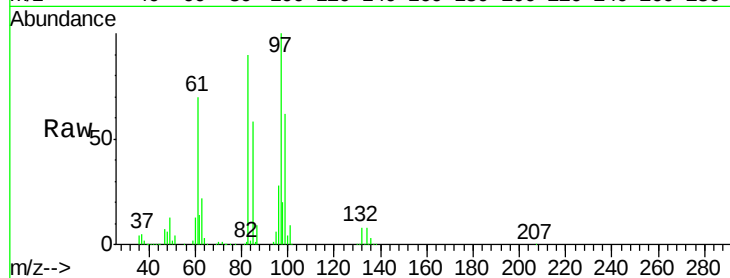




#55
 1,1,2-Trichloroethane
 Concen: 52.139 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

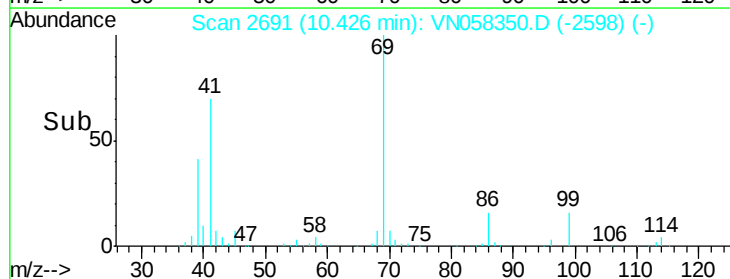
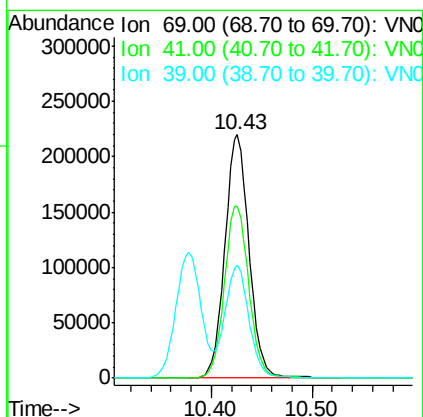
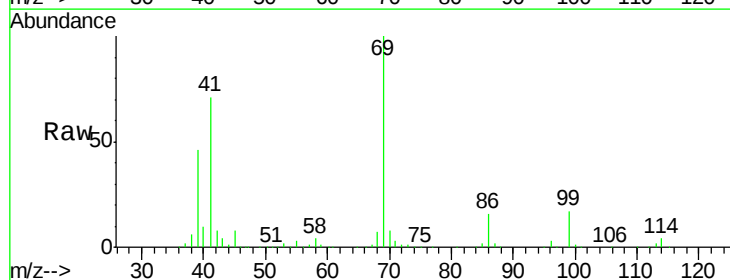
Instrument :
 MSVOA_N
 ClientSampleId :

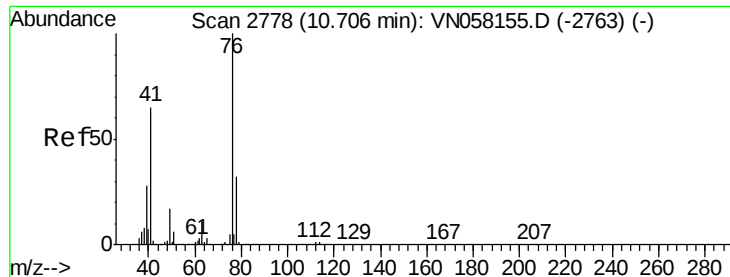
Tot Ion: 97 Resp: 251929
 Ion Ratio Lower Upper
 97 100
 83 89.9 70.4 105.6
 85 57.6 46.8 70.2
 99 61.9 49.9 74.9



#56
 Ethyl methacrylate
 Concen: 52.810 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion: 69 Resp: 368169
 Ion Ratio Lower Upper
 69 100
 41 70.7 57.5 86.3
 39 45.2 36.1 54.1





#57

1,3-Dichloropropane

Concen: 51.327 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

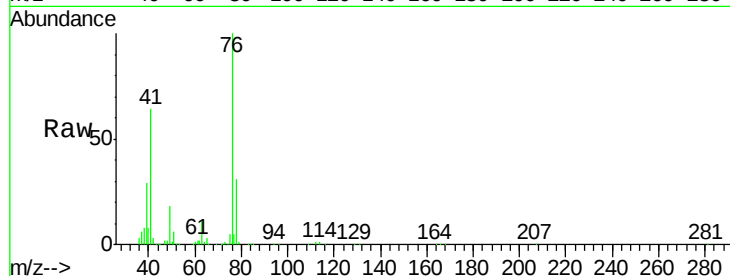
ClientSampleId :

Tot Ion: 76 Resp: 426348

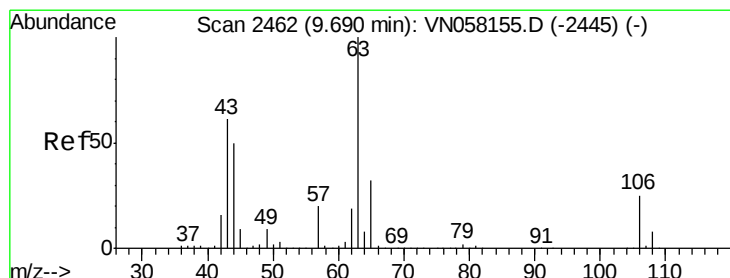
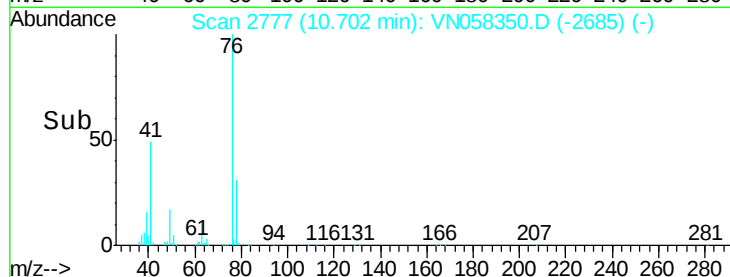
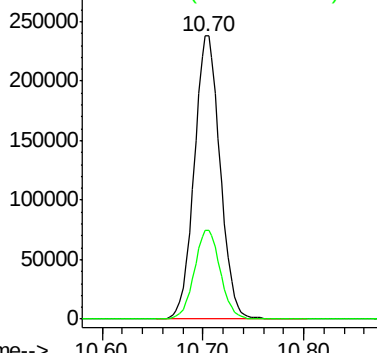
Ion Ratio Lower Upper

76 100

78 31.5 25.4 38.0



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



#58

2-Chloroethyl Vinyl ether

Concen: 266.626 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058350.D

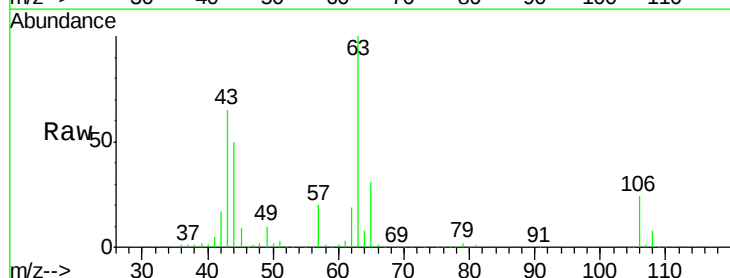
Acq: 25 Sep 2019 8:43

Tgt Ion: 63 Resp: 885396

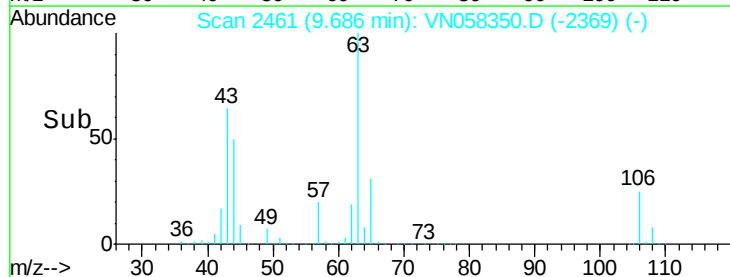
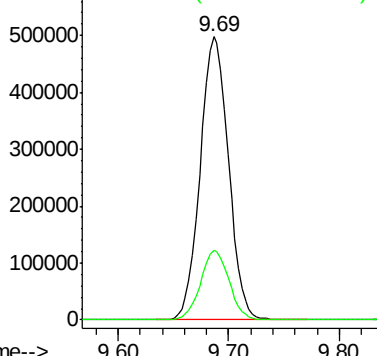
Ion Ratio Lower Upper

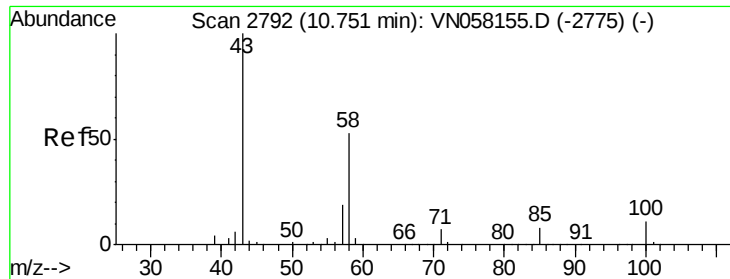
63 100

106 24.6 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 284.668 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

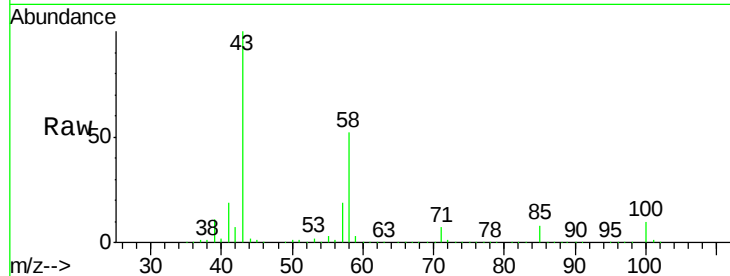
ClientSampled :

Tot Ion: 43 Resp: 1238014

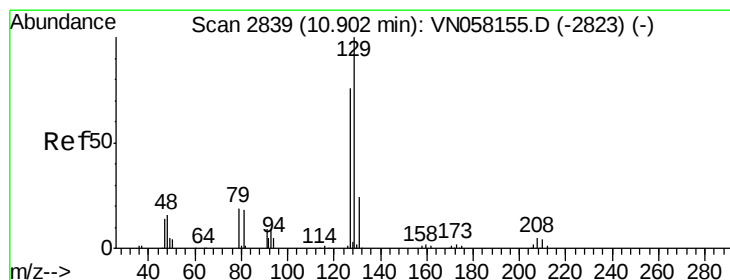
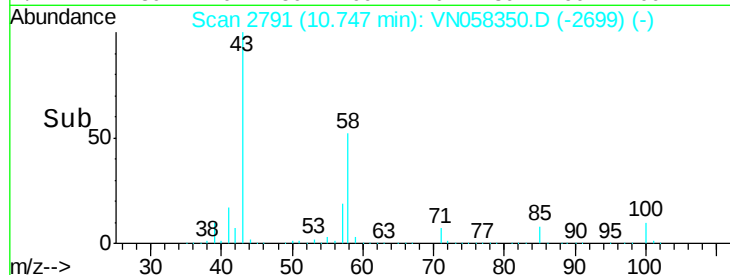
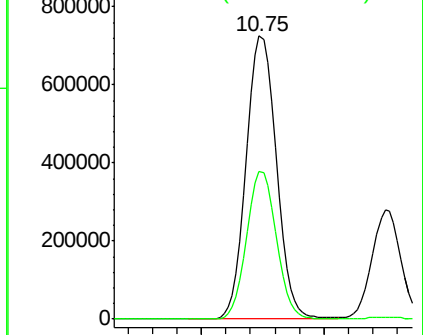
Ion Ratio Lower Upper

43 100

58 51.2 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN058350.D (-2699) (-)



#60

Dibromochloromethane

Concen: 57.004 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058350.D

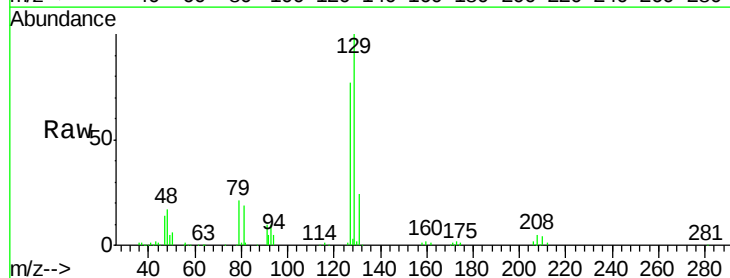
Acq: 25 Sep 2019 8:43

Tgt Ion: 129 Resp: 264984

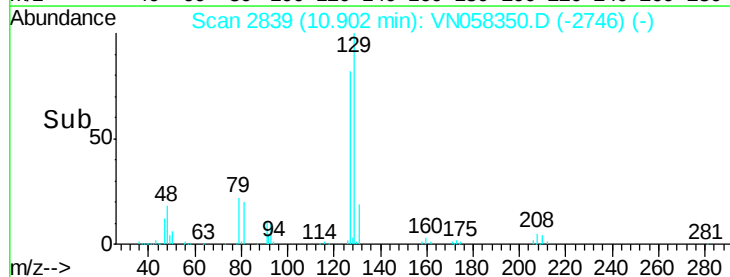
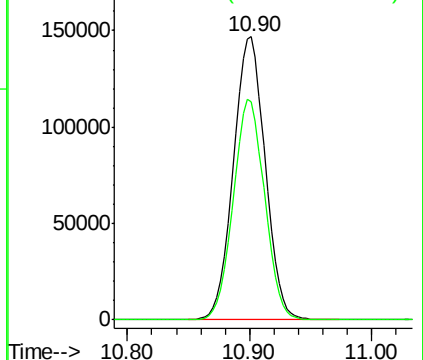
Ion Ratio Lower Upper

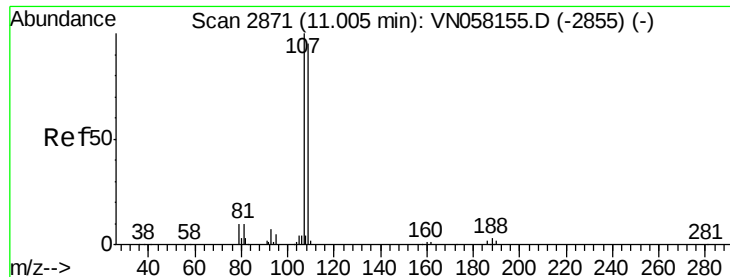
129 100

127 76.9 38.7 116.1



Abundance Ion 128.80 (128.50 to 129.50): VN058350.D (-2746) (-)





#61

1,2-Dibromoethane

Concen: 51.188 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

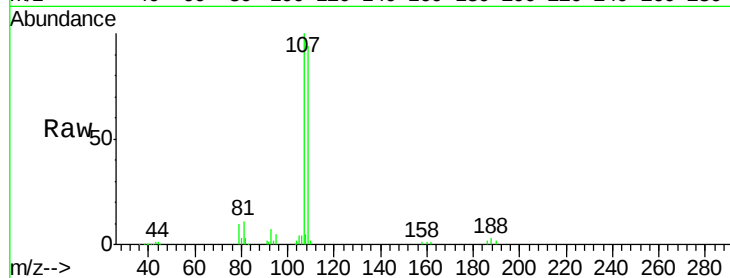
ClientSampled :

Tot Ion: 107 Resp: 229212

Ion Ratio Lower Upper

107 100

109 95.1 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

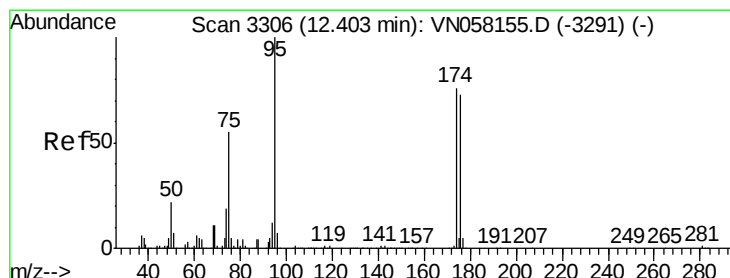
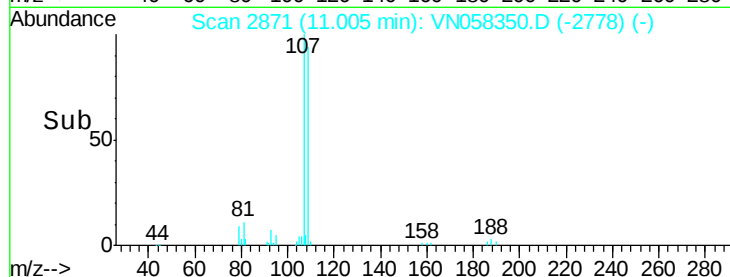
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 46.422 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

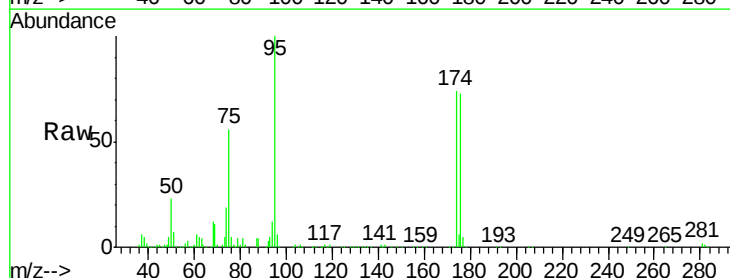
Tgt Ion: 95 Resp: 322157

Ion Ratio Lower Upper

95 100

174 75.0 0.0 152.2

176 72.8 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

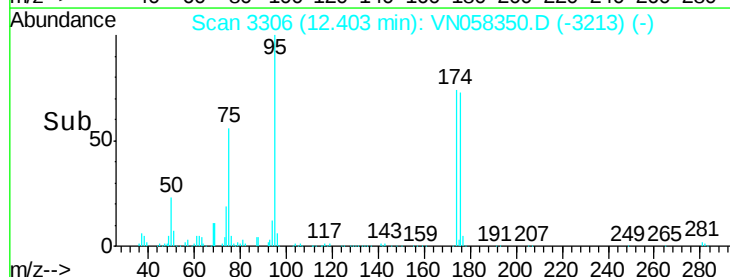
150000

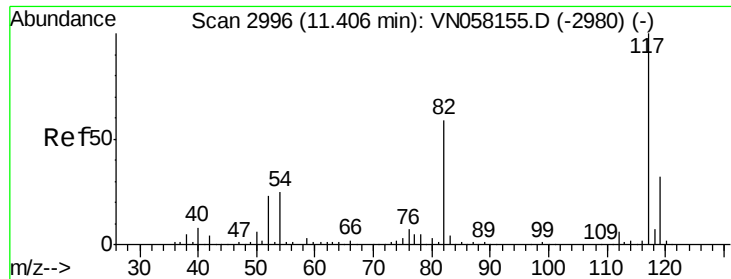
100000

50000

0

Time--> 12.35 12.40 12.45 12.50

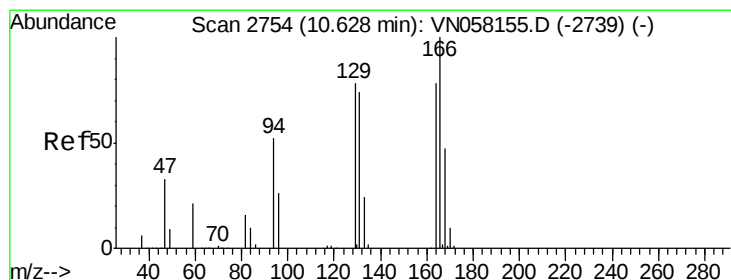
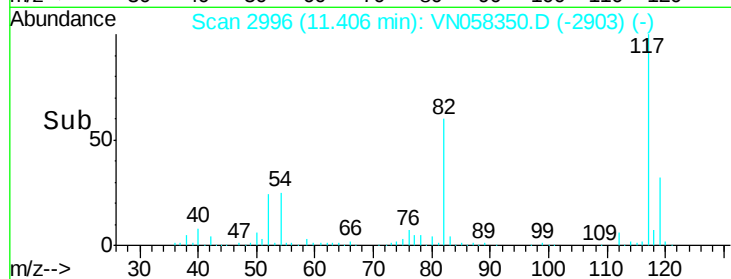
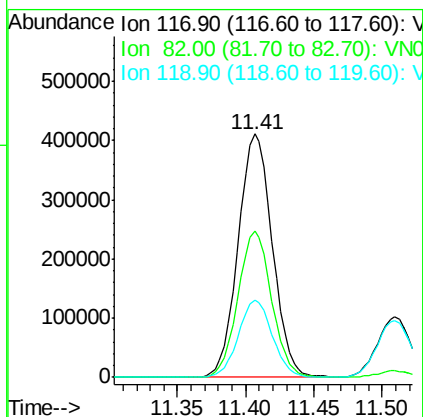
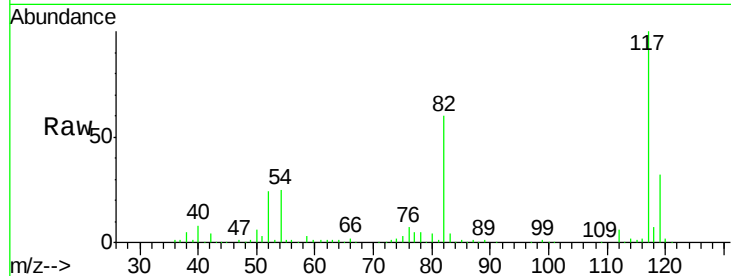




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

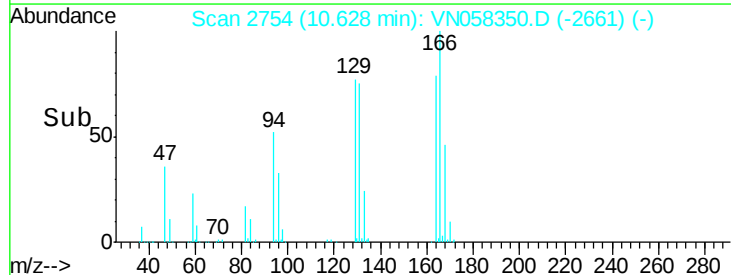
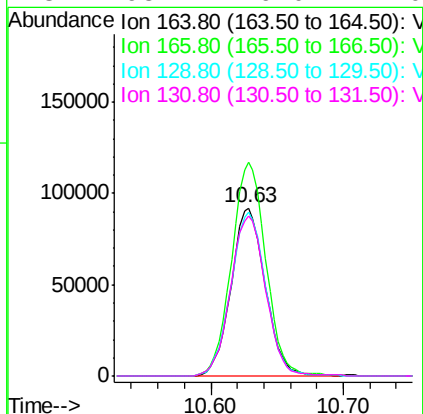
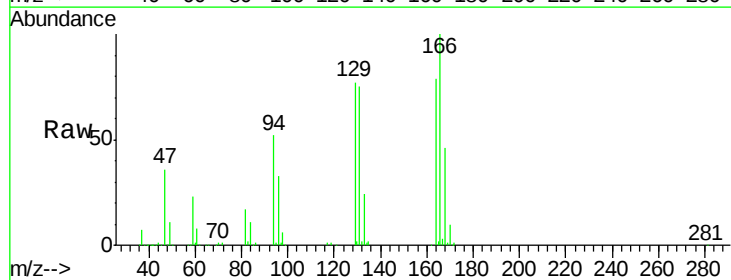
Instrument :
MSVOA_N
ClientSampleId :

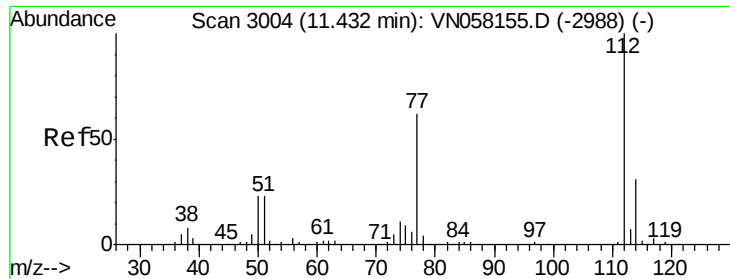
Tot Ion:117 Resp: 716634
Ion Ratio Lower Upper
117 100
82 60.0 46.9 70.3
119 31.7 25.3 37.9



#64
Tetrachloroethene
Concen: 47.055 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion:164 Resp: 164383
Ion Ratio Lower Upper
164 100
166 127.3 102.2 153.4
129 97.7 79.6 119.4
131 95.2 76.0 114.0

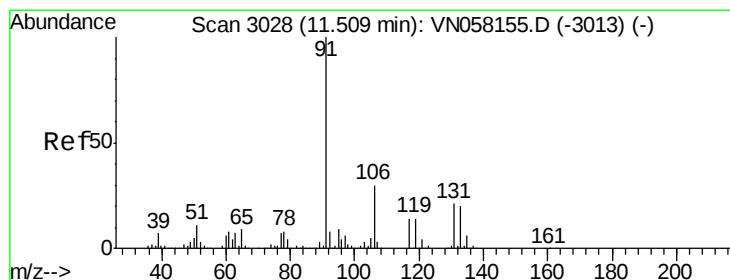
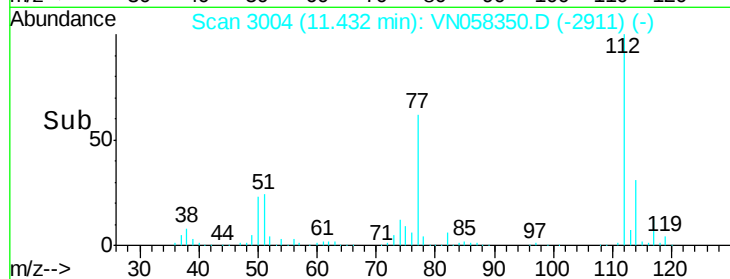
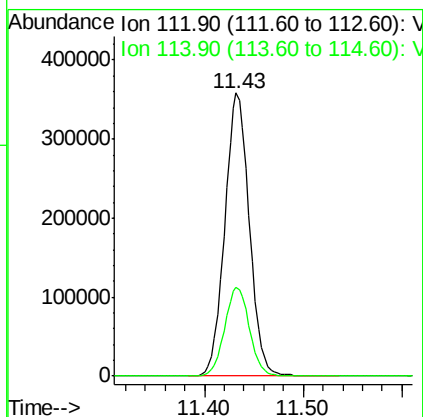
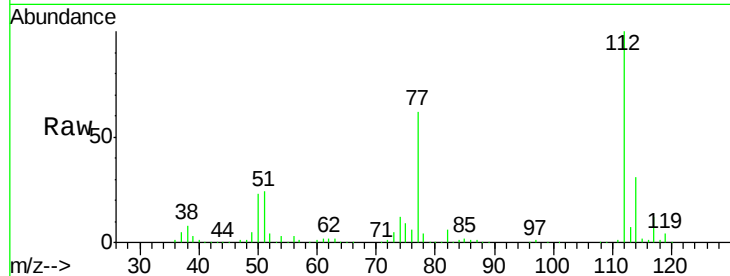




#65
Chlorobenzene
Concen: 49.423 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

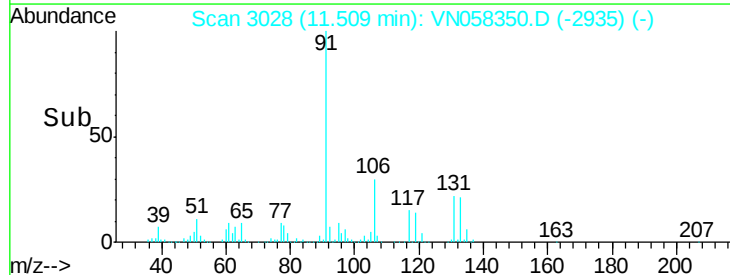
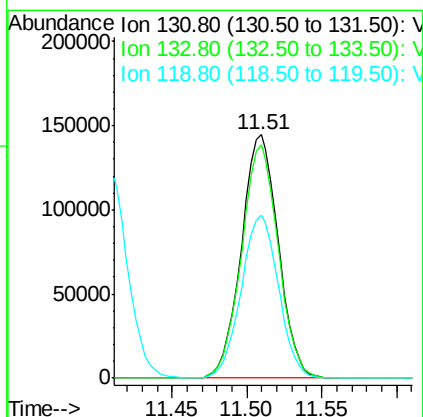
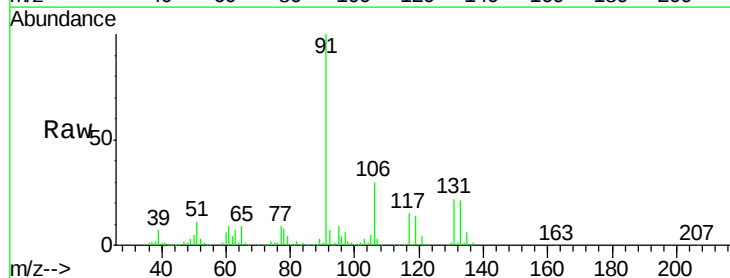
Instrument :
MSVOA_N
ClientSampled :

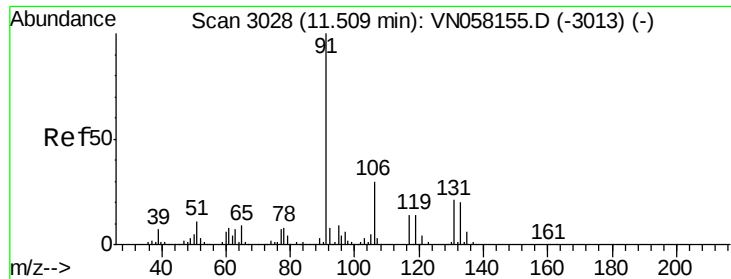
Tot Ion:112 Resp: 622977
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.332 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion:131 Resp: 248331
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 67.6 33.1 99.3

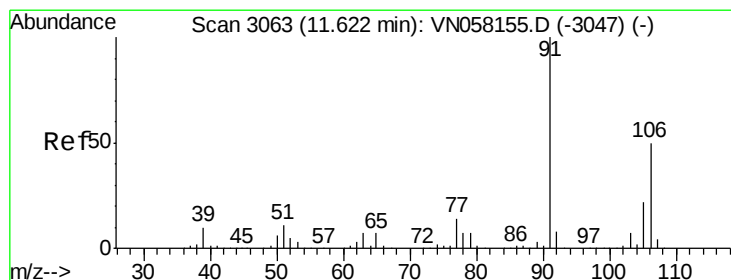
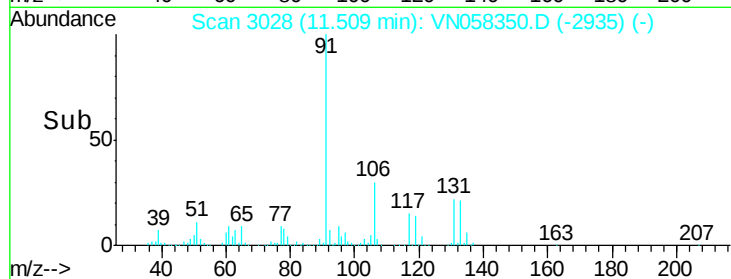
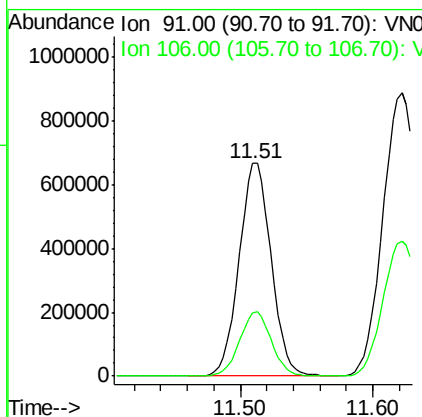
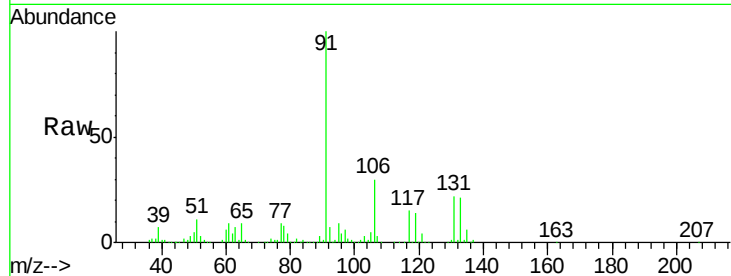




#67
Ethyl Benzene
Concen: 51.820 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

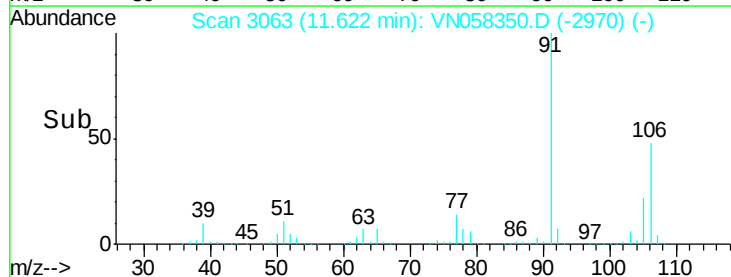
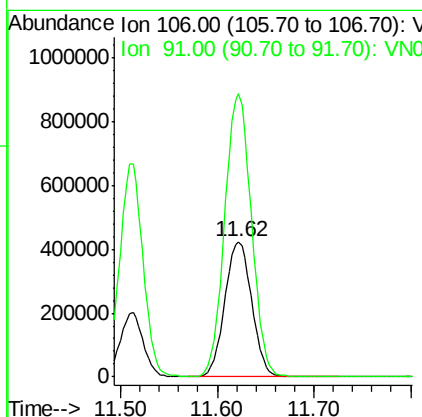
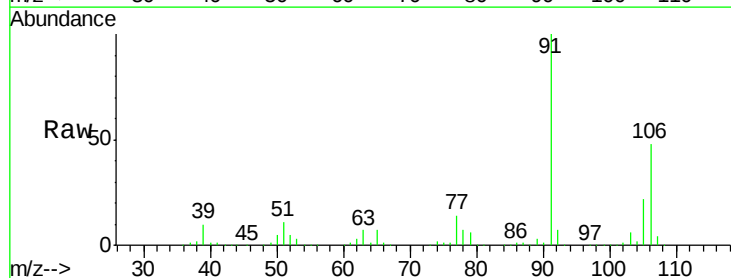
Instrument :
MSVOA_N
ClientSampled :

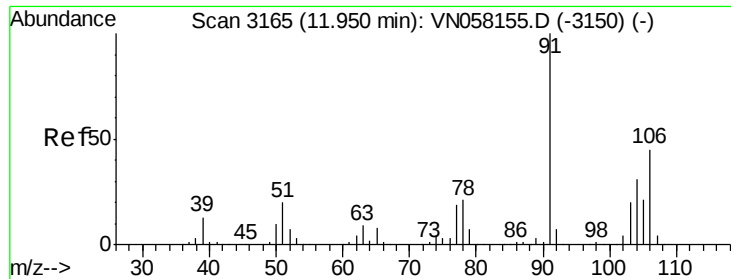
Tot Ion: 91 Resp: 1119241
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0



#68
m/p-Xylenes
Concen: 100.685 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion: 106 Resp: 819048
Ion Ratio Lower Upper
106 100
91 207.6 163.6 245.4

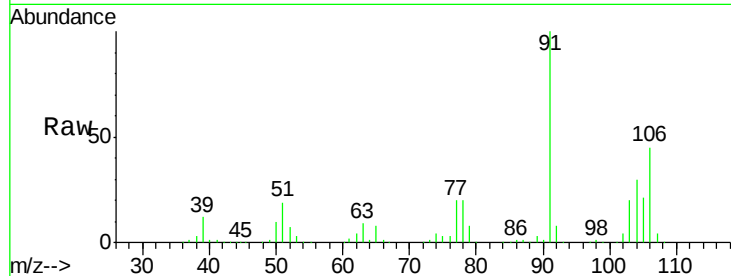




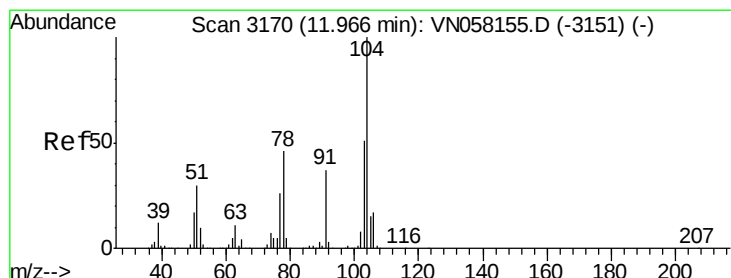
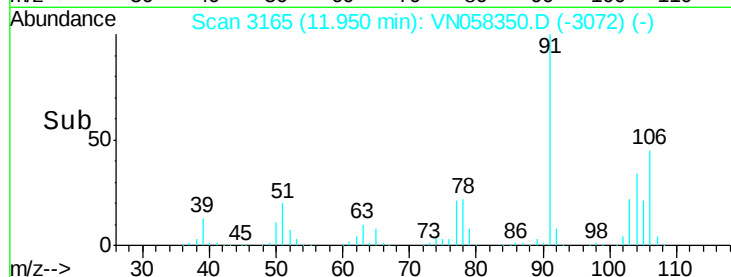
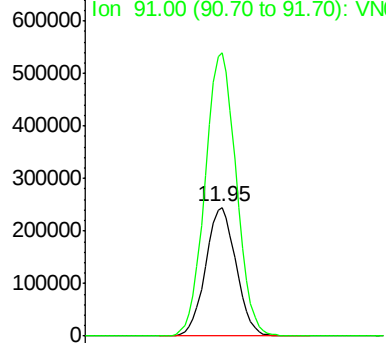
#69
o-Xylene
Concen: 50.258 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 402000
Ion Ratio Lower Upper
106 100
91 225.3 111.8 335.3

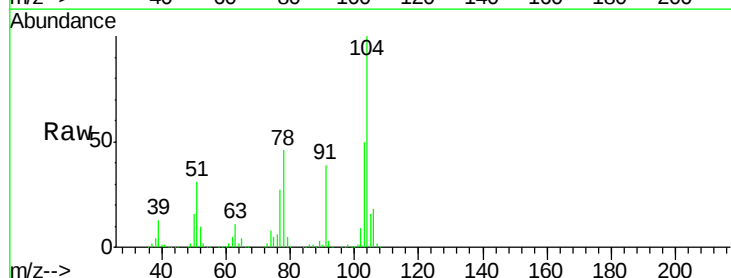


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VNO

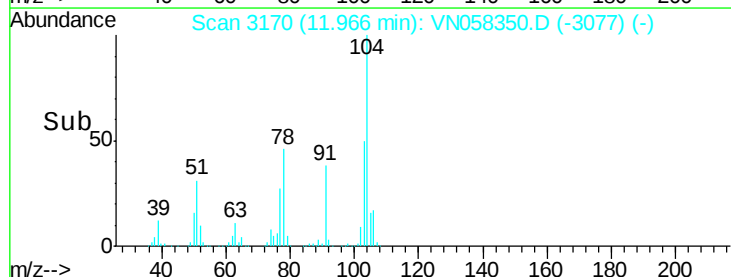
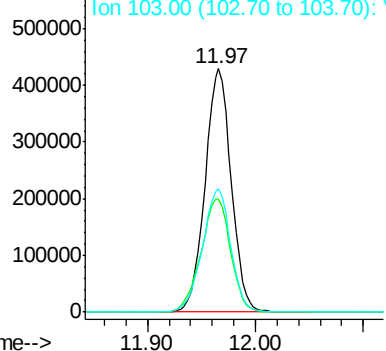


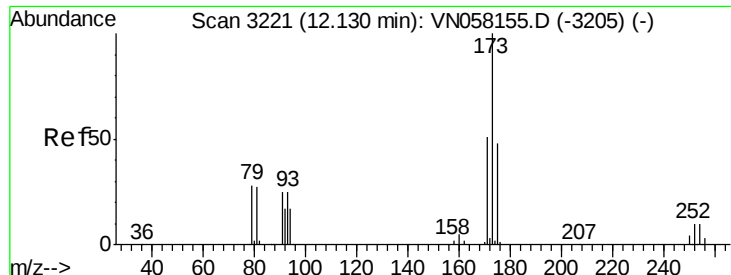
#70
Styrene
Concen: 52.714 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058350.D
Acq: 25 Sep 2019 8:43

Tgt Ion:104 Resp: 726492
Ion Ratio Lower Upper
104 100
78 52.4 41.8 62.8
103 54.6 44.2 66.2



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





#71

Bromoform

Concen: 48.368 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

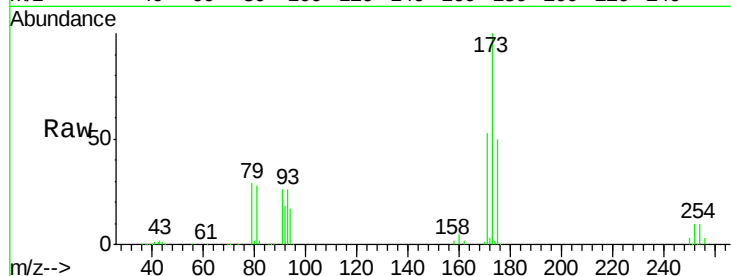
Tot Ion:173 Resp: 163475

Ion Ratio Lower Upper

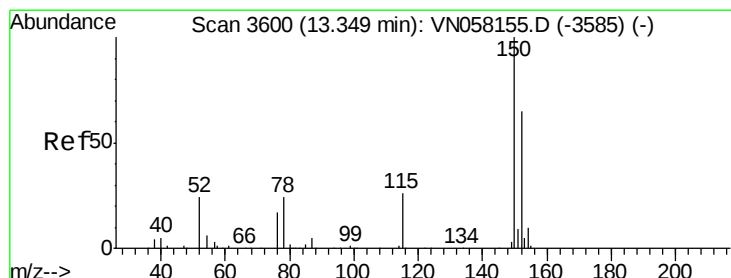
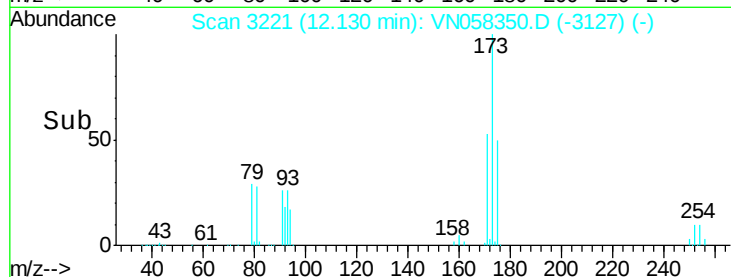
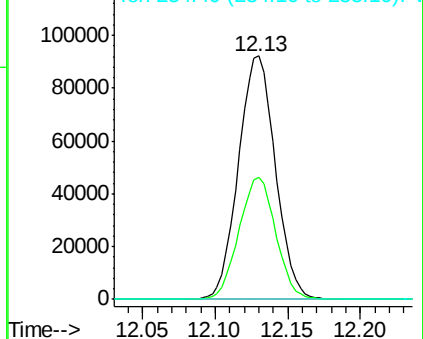
173 100

175 49.8 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

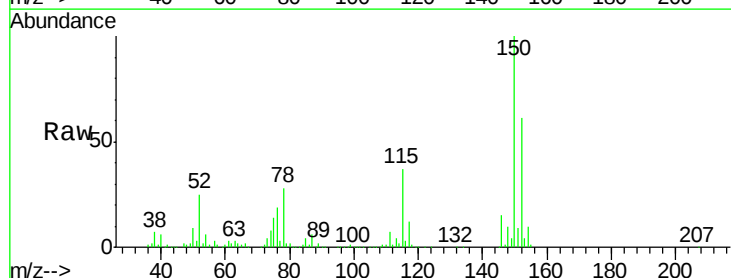
Tgt Ion:152 Resp: 346191

Ion Ratio Lower Upper

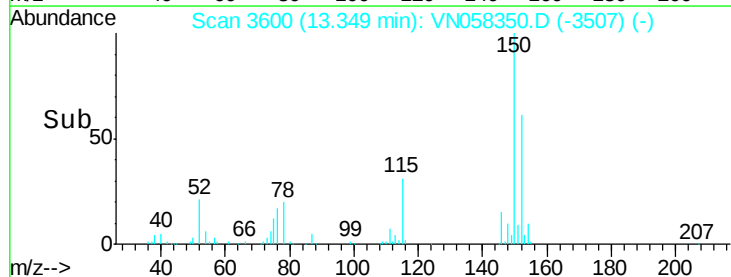
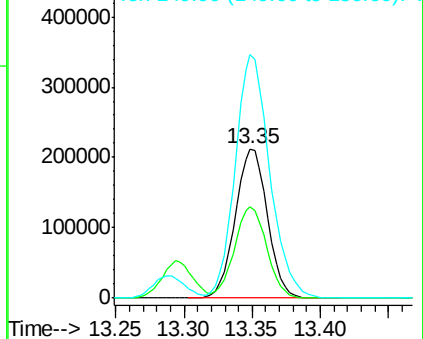
152 100

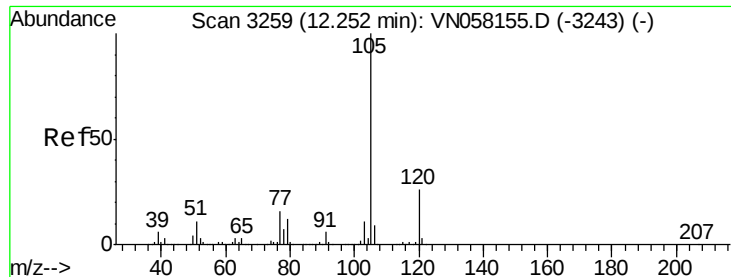
115 61.4 30.1 90.3

150 175.6 0.0 346.4



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: 54.033 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

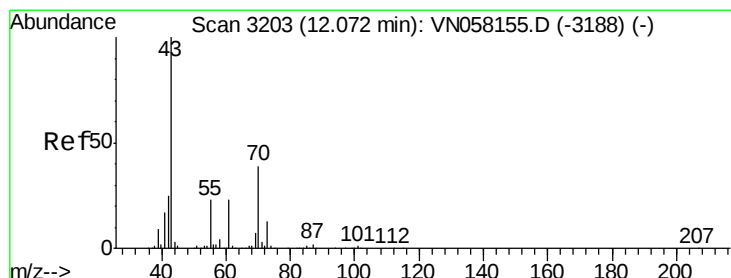
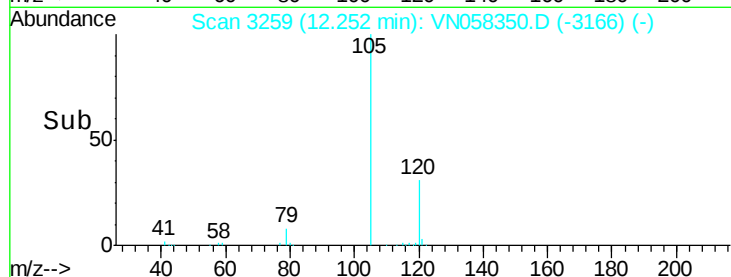
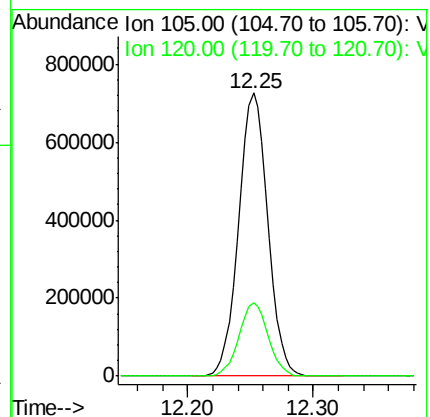
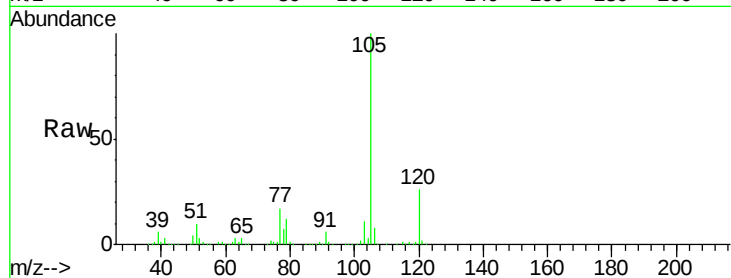
ClientSampled :

Tot Ion:105 Resp: 1170861

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3



#74

N-ethyl acetate

Concen: 54.160 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Tgt Ion: 43 Resp: 490968

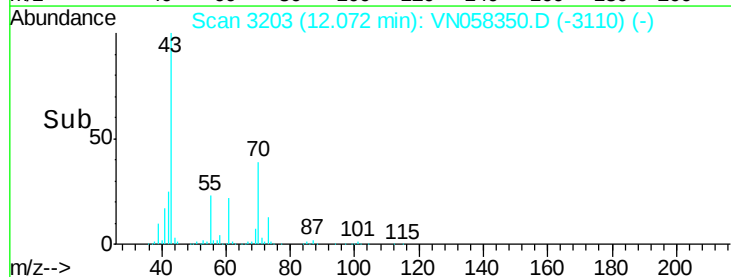
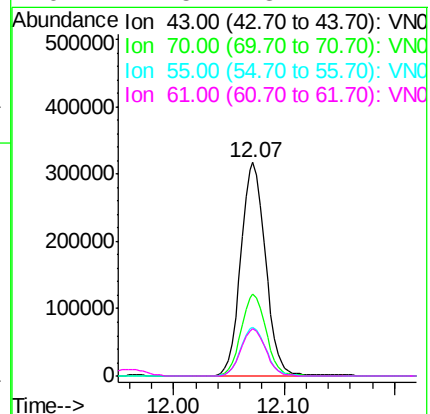
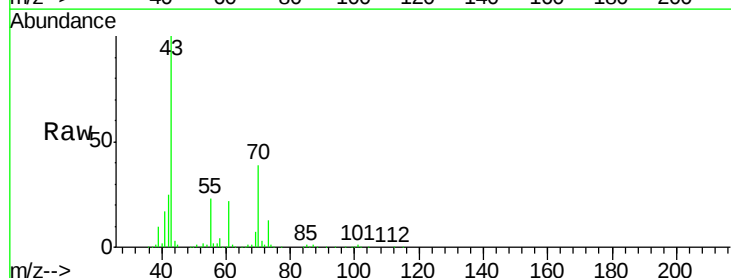
Ion Ratio Lower Upper

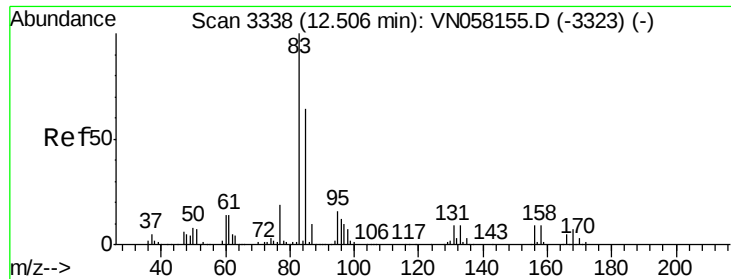
43 100

70 38.8 31.0 46.6

55 23.5 18.5 27.7

61 22.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.486 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

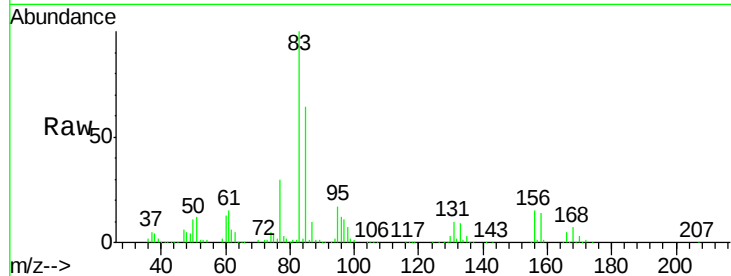
Tot Ion: 83 Resp: 380870

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

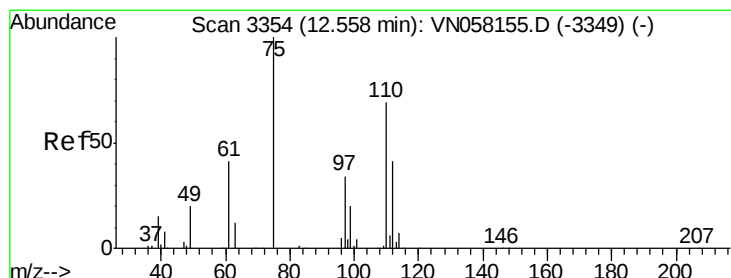
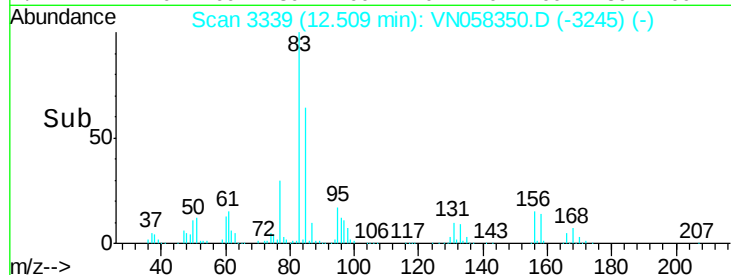
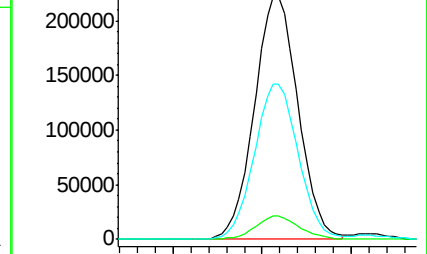
85 64.2 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN058350.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058350.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058350.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 74.888 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058350.D

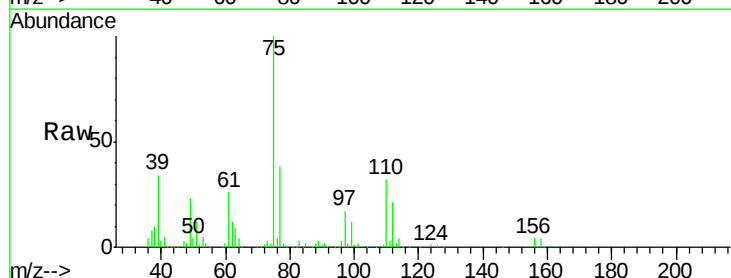
Acq: 25 Sep 2019 8:43

Tgt Ion: 75 Resp: 463984

Ion Ratio Lower Upper

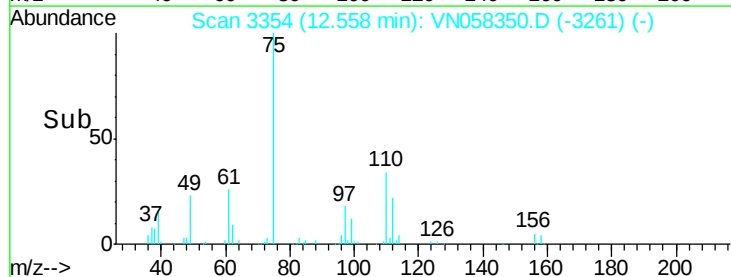
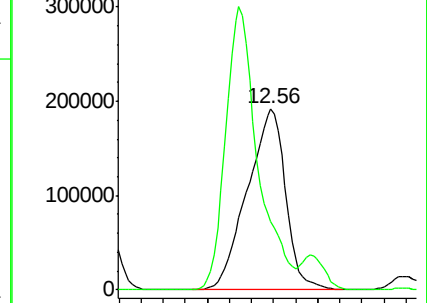
75 100

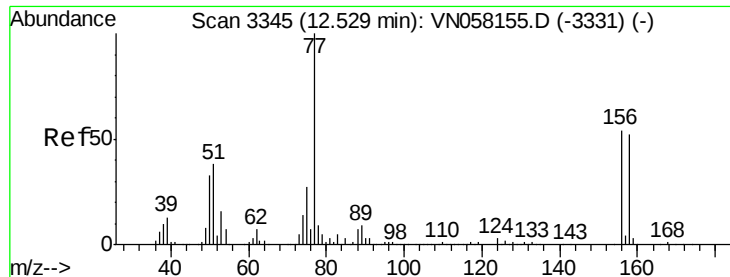
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058350.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058350.D (-3261) (-)





#77

Bromobenzene

Concen: 49.284 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

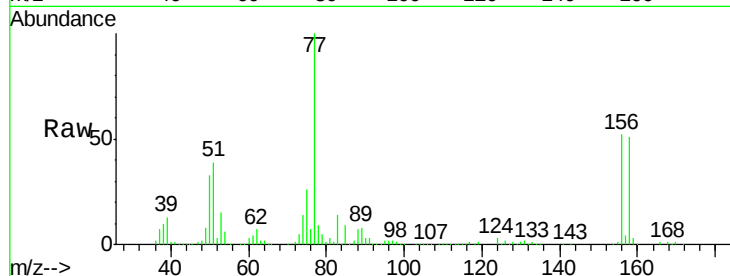
Tot Ion:156 Resp: 268637

Ion Ratio Lower Upper

156 100

77 227.6 111.7 335.1

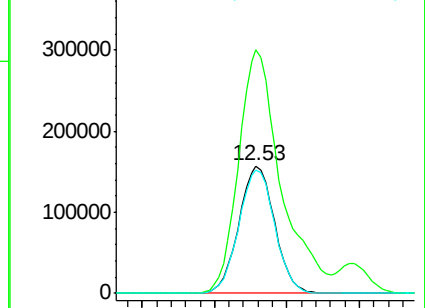
158 97.4 47.9 143.8



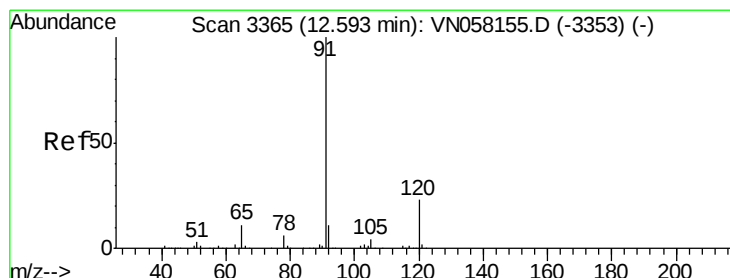
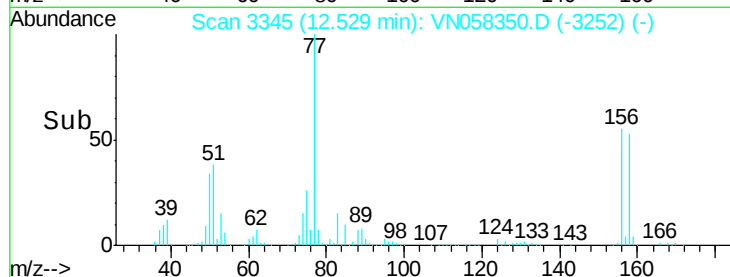
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 56.487 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058350.D

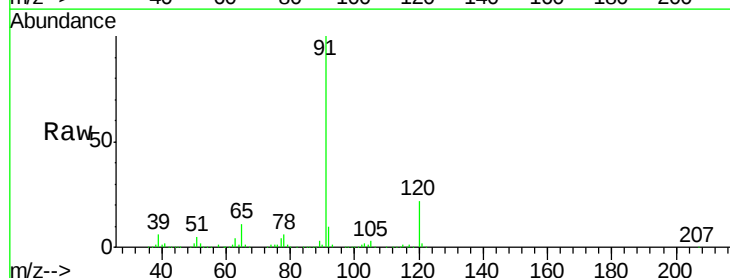
Acq: 25 Sep 2019 8:43

Tgt Ion: 91 Resp: 1390943

Ion Ratio Lower Upper

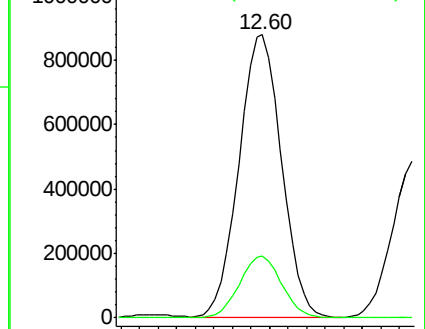
91 100

120 21.8 11.1 33.3

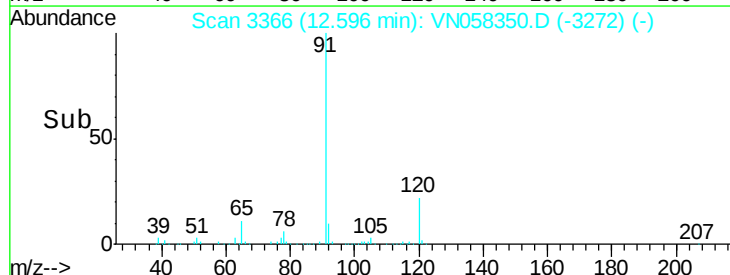


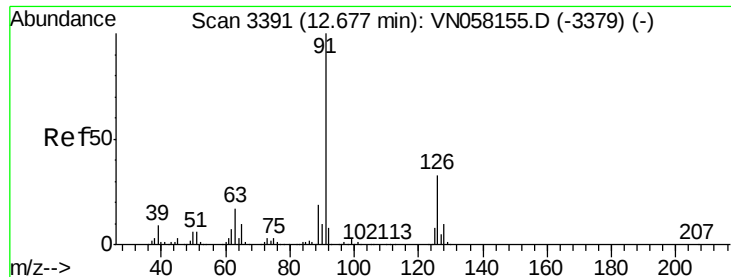
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 53.165 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

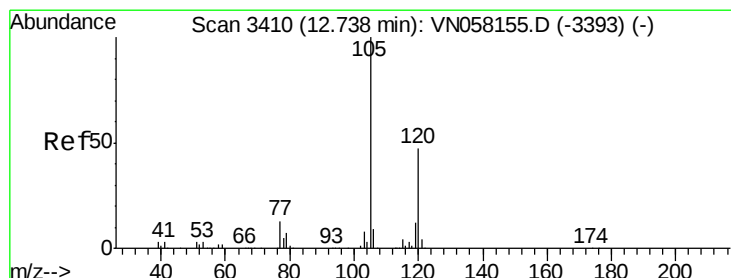
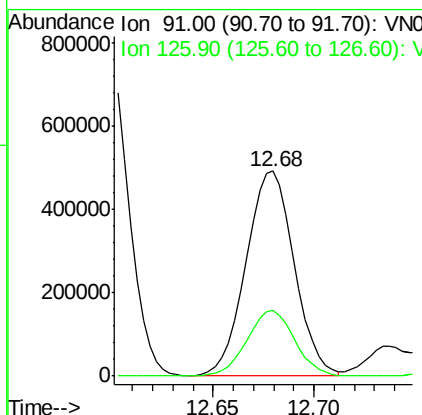
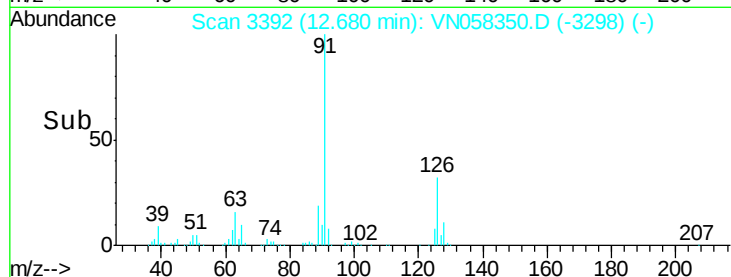
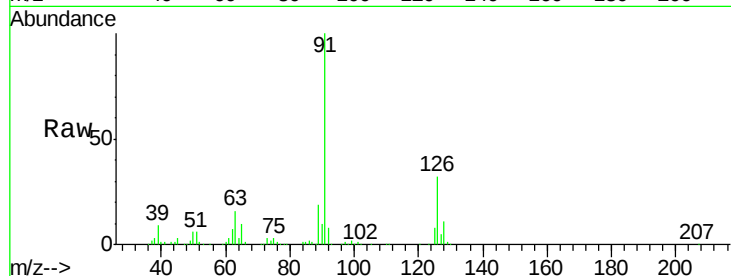
ClientSampleId :

Tot Ion: 91 Resp: 818168

Ion Ratio Lower Upper

91 100

126 32.1 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 55.229 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058350.D

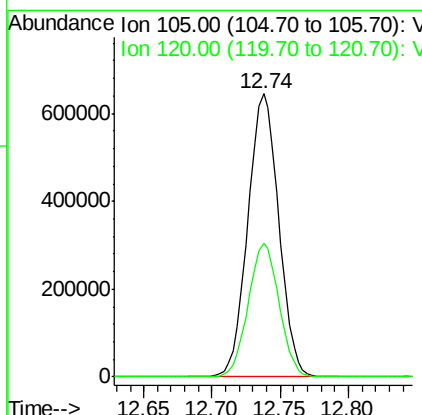
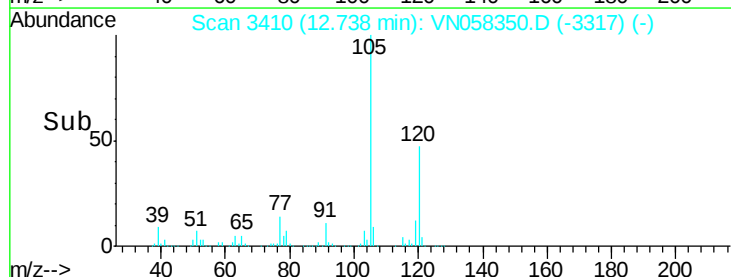
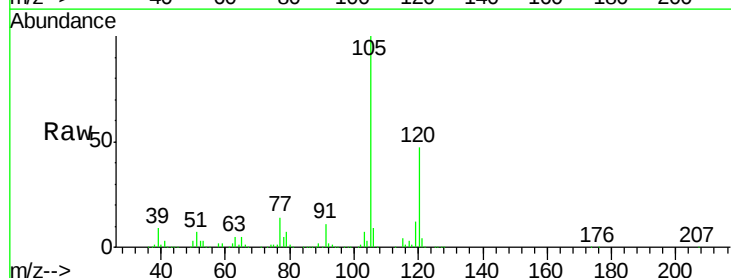
Acq: 25 Sep 2019 8:43

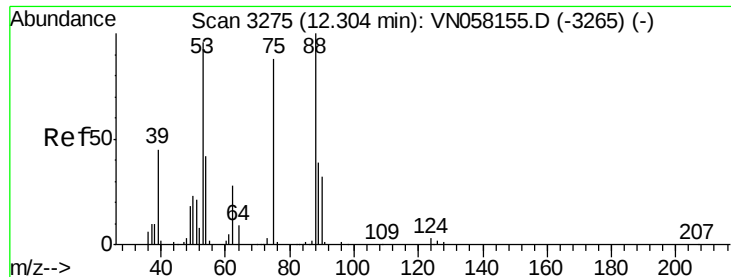
Tgt Ion: 105 Resp: 1012021

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.444 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

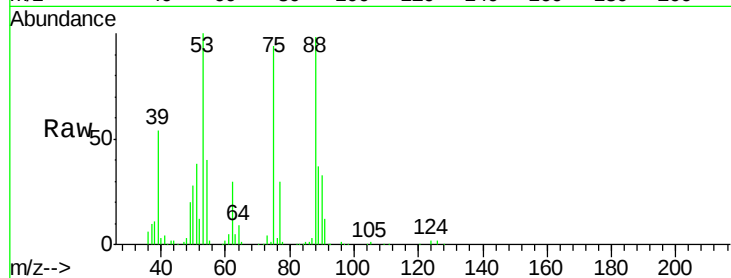
Tot Ion: 75 Resp: 105132

Ion Ratio Lower Upper

75 100

53 109.9 90.1 135.1

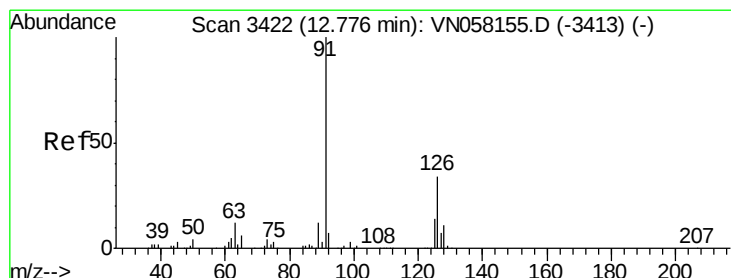
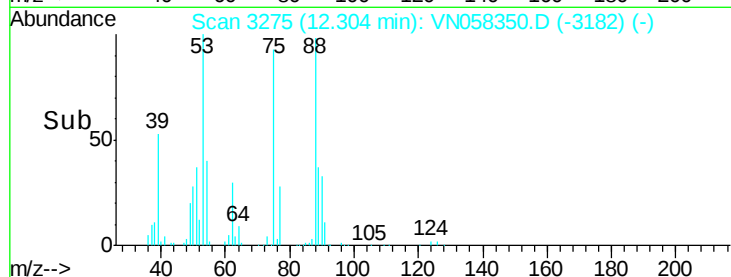
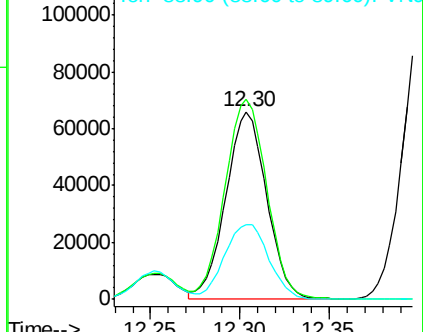
89 43.5 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 53.686 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058350.D

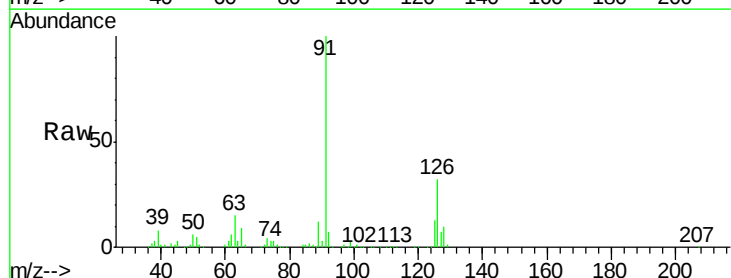
Acq: 25 Sep 2019 8:43

Tgt Ion: 91 Resp: 868463

Ion Ratio Lower Upper

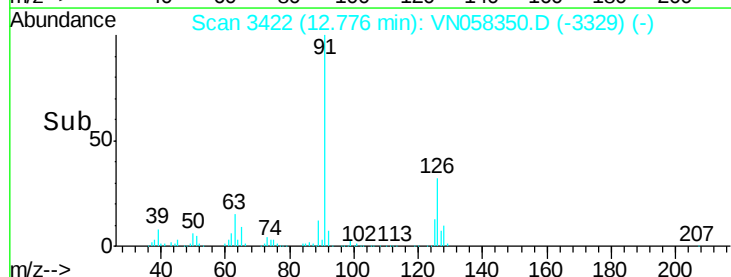
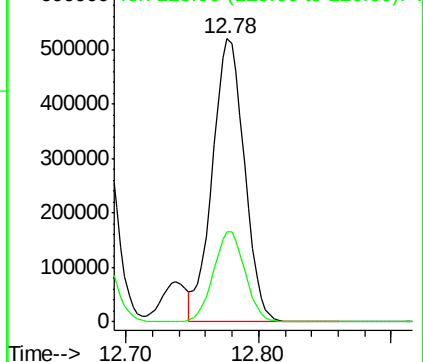
91 100

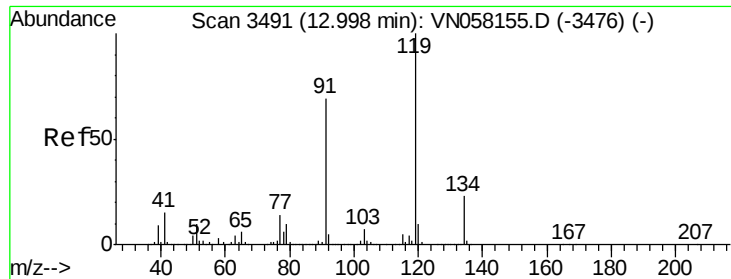
126 31.5 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO





#83

tert-Butylbenzene

Concen: 54.668 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

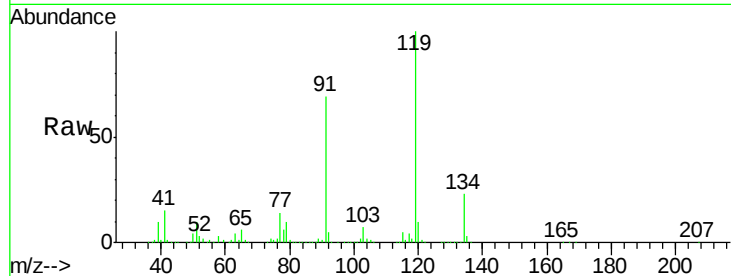
Tot Ion:119 Resp: 893327

Ion Ratio Lower Upper

119 100

91 67.9 33.8 101.3

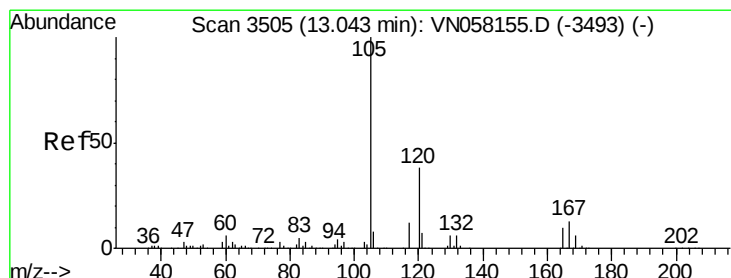
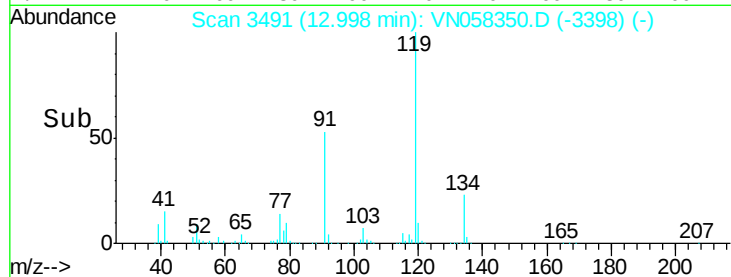
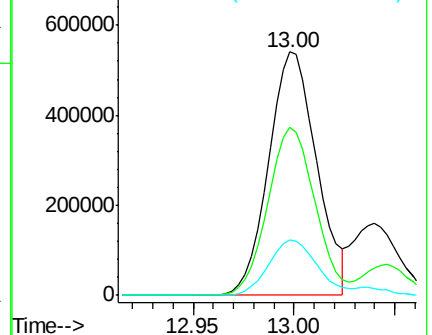
134 23.2 11.6 34.8



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: 56.760 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058350.D

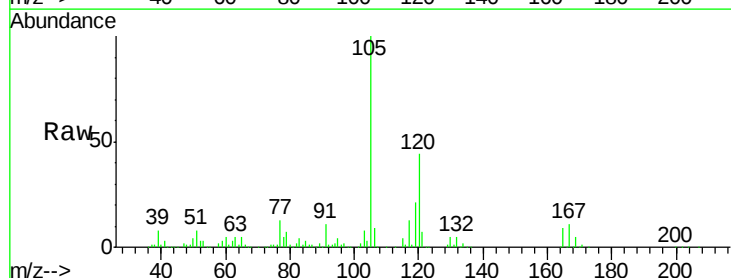
Acq: 25 Sep 2019 8:43

Tgt Ion:105 Resp: 1035039

Ion Ratio Lower Upper

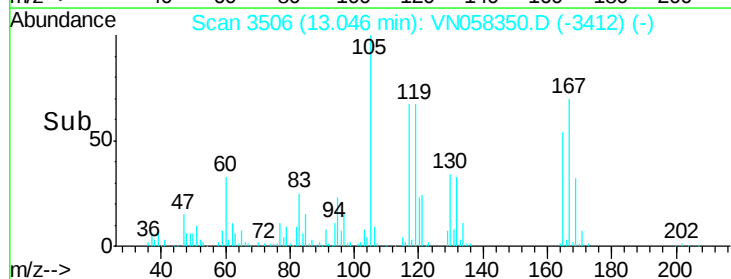
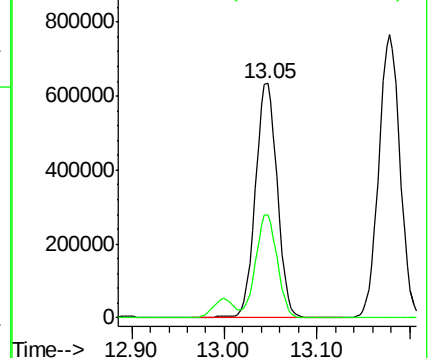
105 100

120 43.3 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 56.661 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

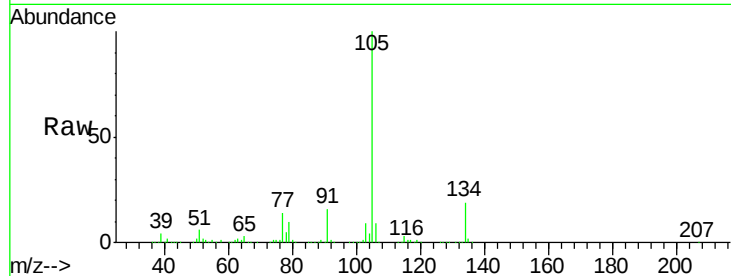
ClientSampled :

Tot Ion:105 Resp: 1210767

Ion Ratio Lower Upper

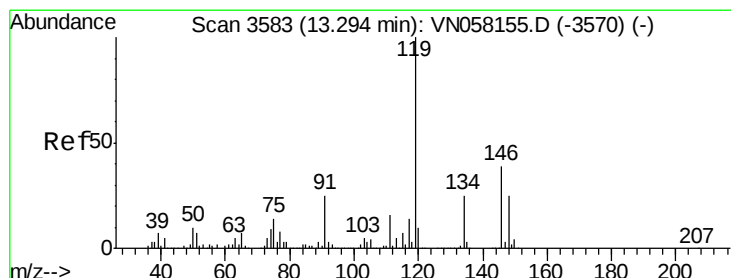
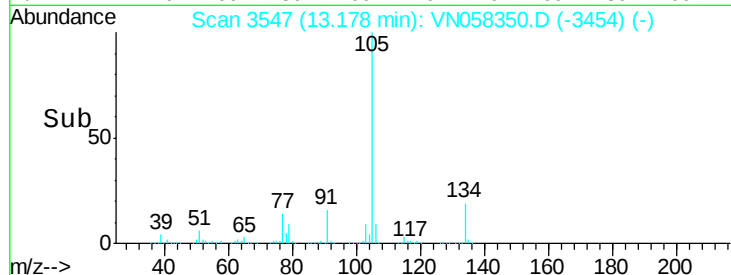
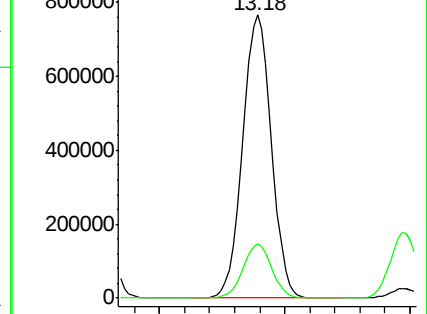
105 100

134 19.1 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.796 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

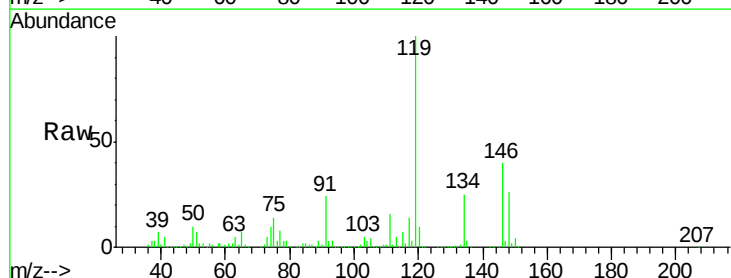
Tgt Ion:119 Resp: 1097944

Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.0

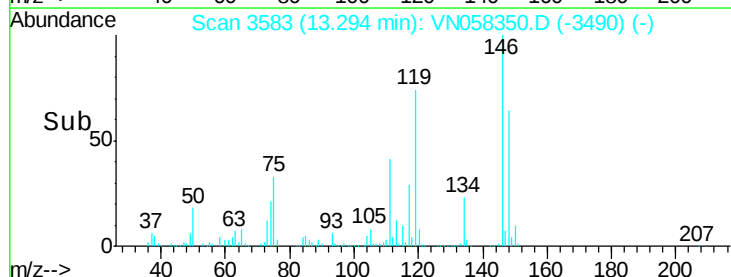
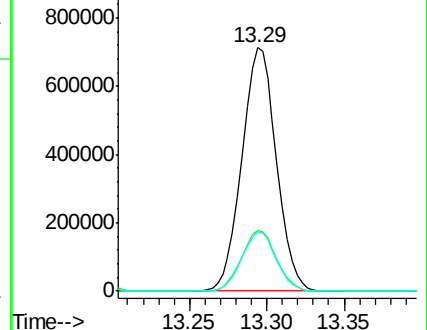
91 24.6 12.3 36.8

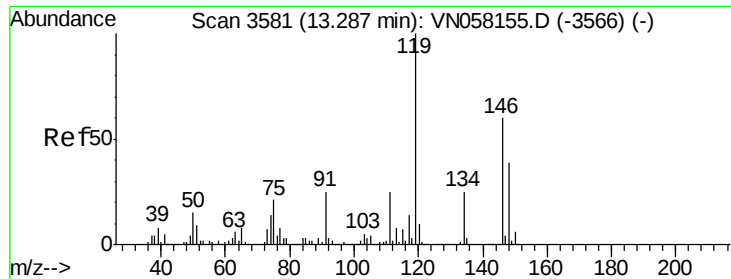


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

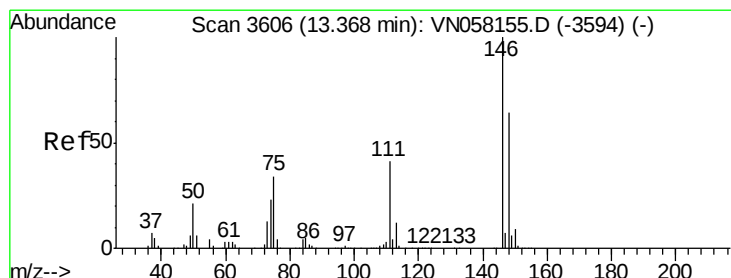
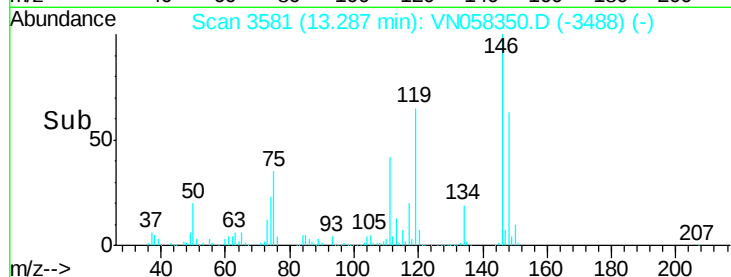
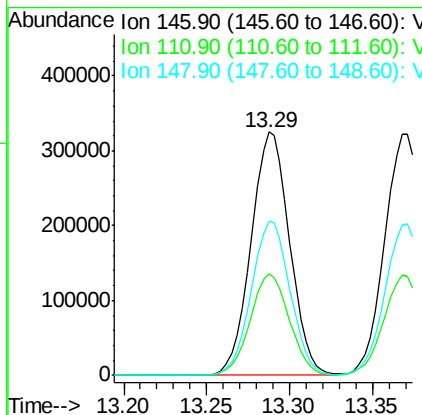
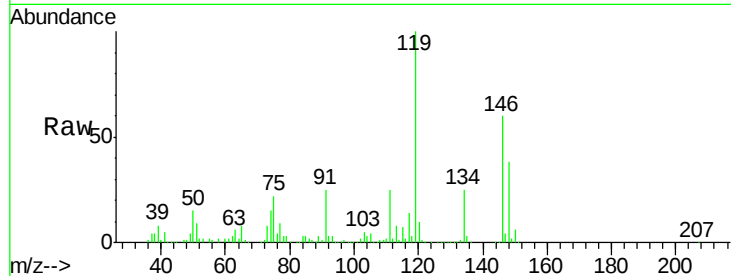




#87
 1,3-Dichlorobenzene
 Concen: 52.718 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

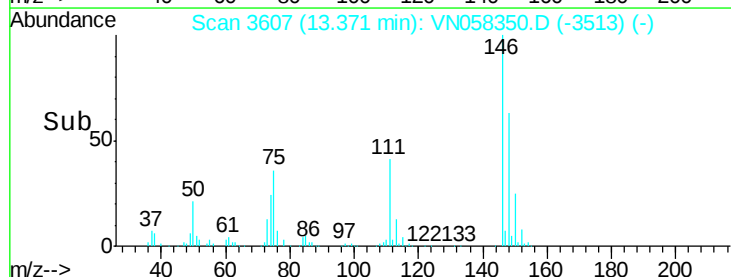
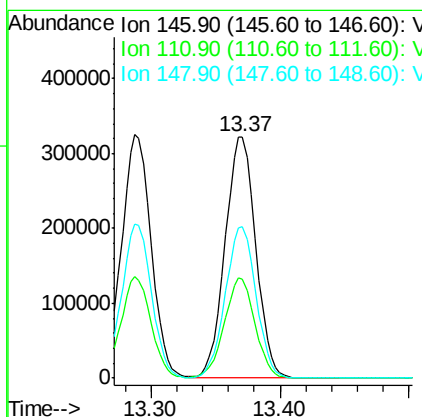
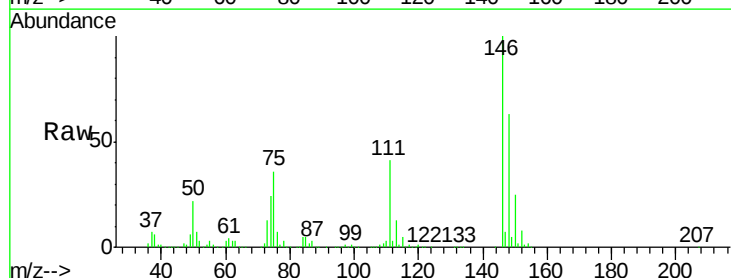
Instrument :
 MSVOA_N
 ClientSampled :

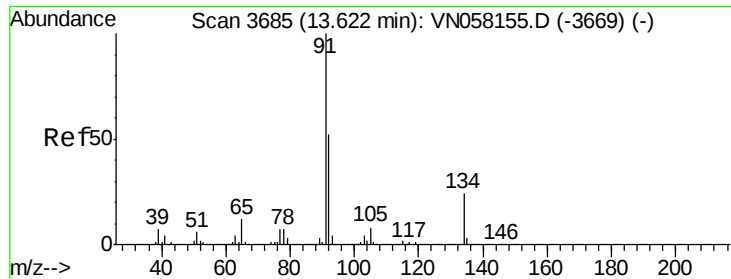
Tot Ion:146 Resp: 524846
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.9 62.8
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 52.136 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion:146 Resp: 529904
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.5 61.5
 148 63.1 31.9 95.5





#89

n-Butylbenzene

Concen: 57.201 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampled :

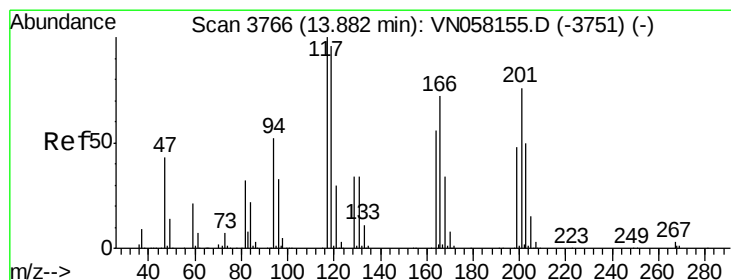
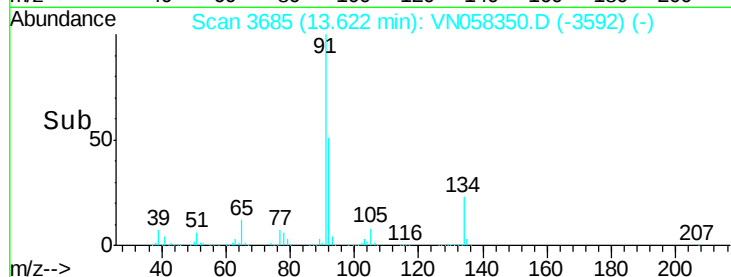
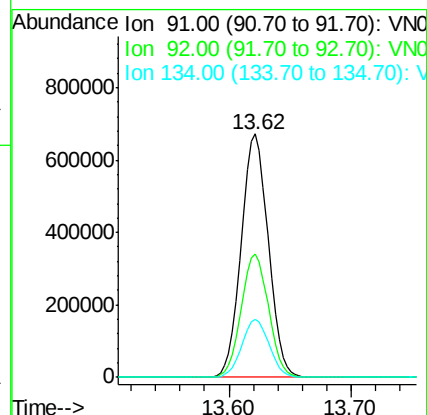
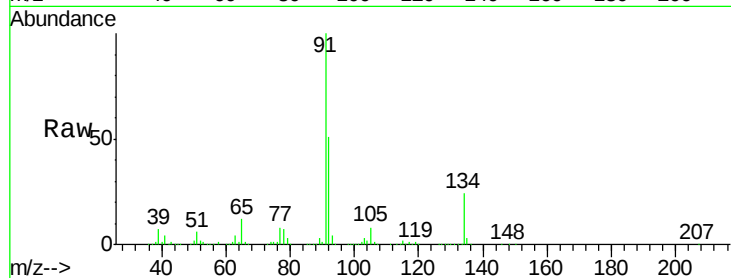
Tot Ion: 91 Resp: 1030229

Ion Ratio Lower Upper

91 100

92 51.0 25.7 77.0

134 24.0 11.8 35.4



#90

Hexachloroethane

Concen: 53.545 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058350.D

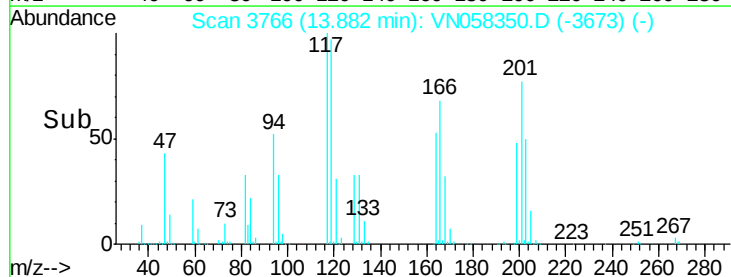
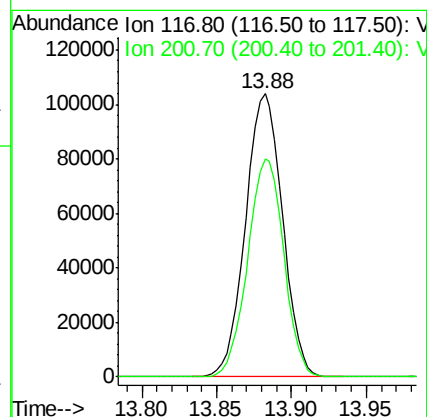
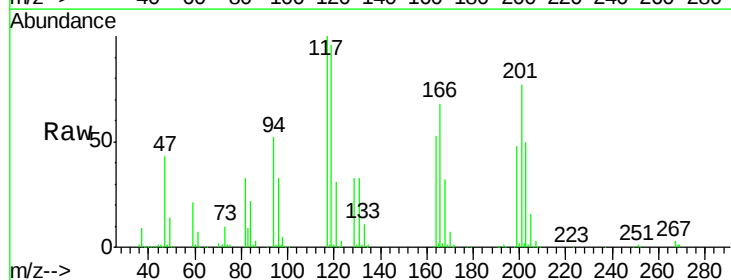
Acq: 25 Sep 2019 8:43

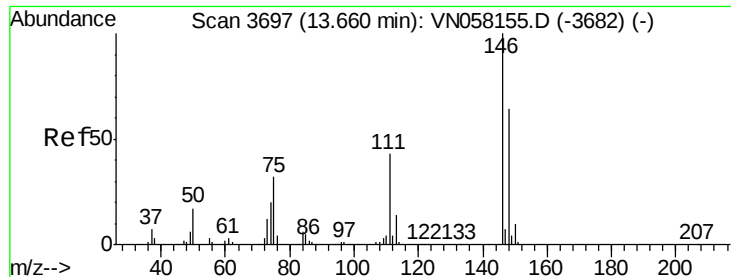
Tgt Ion: 117 Resp: 179078

Ion Ratio Lower Upper

117 100

201 74.9 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 52.885 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

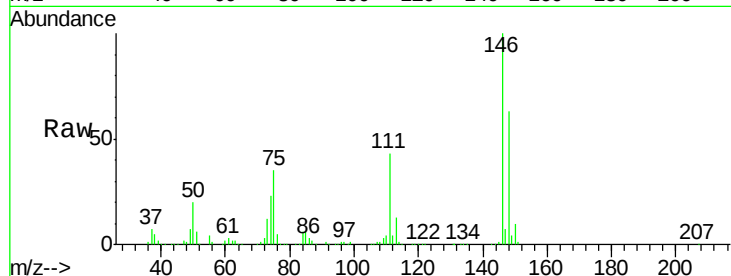
Tot Ion:146 Resp: 528151

Ion Ratio Lower Upper

146 100

111 42.9 21.1 63.1

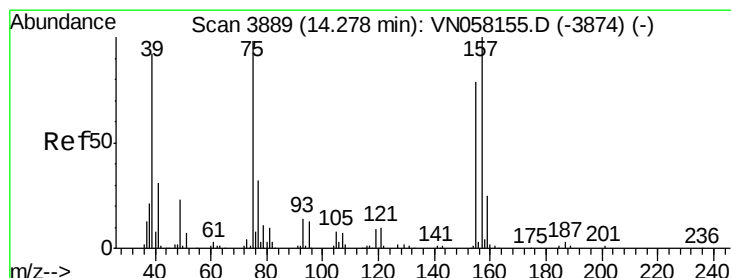
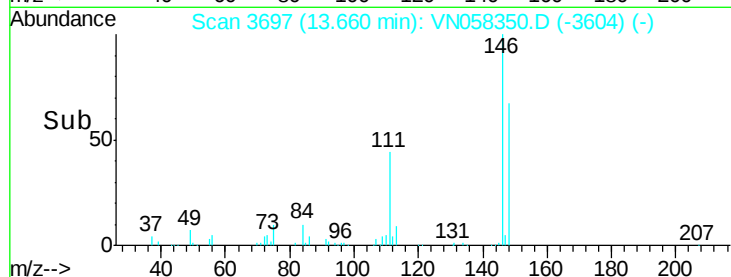
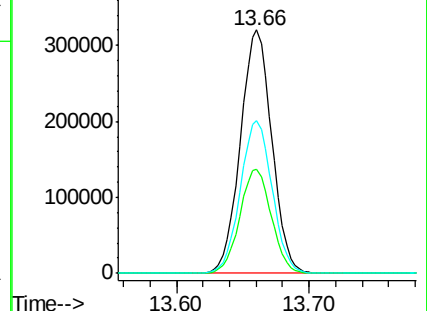
148 63.4 31.8 95.4



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: 53.215 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

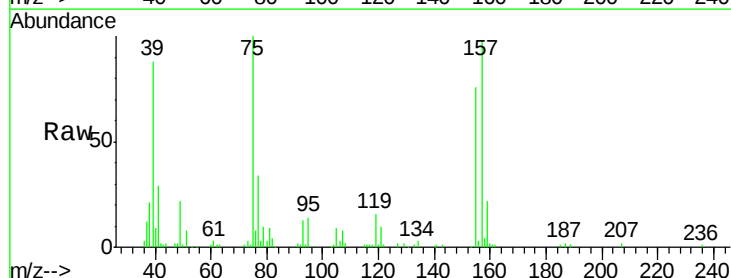
Tgt Ion: 75 Resp: 69521

Ion Ratio Lower Upper

75 100

155 74.8 38.3 114.8

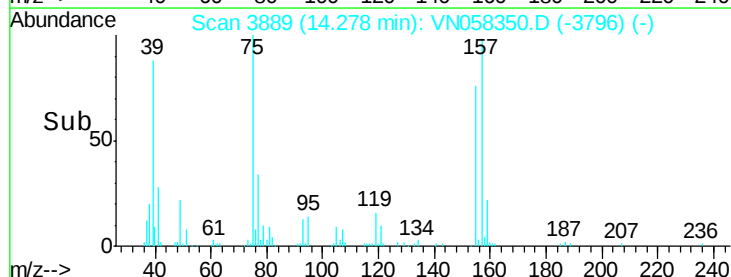
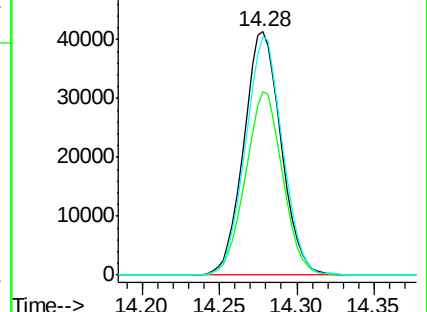
157 97.2 48.0 144.0



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

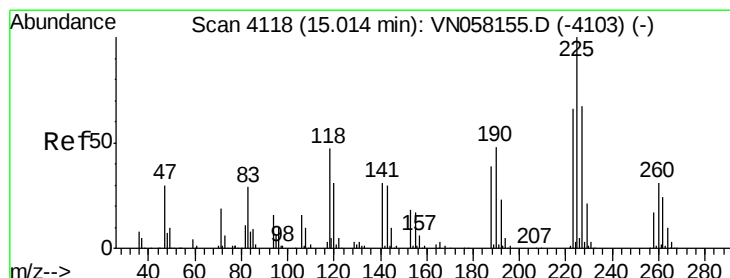
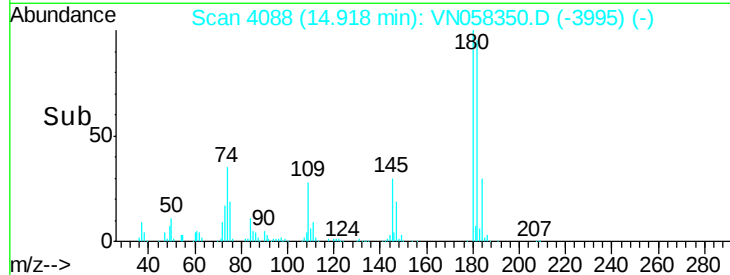
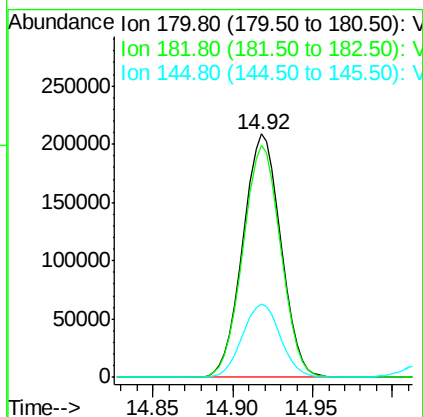
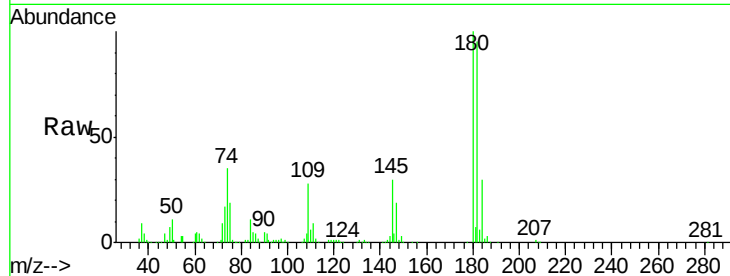




#93
 1,2,4-Trichlorobenzene
 Concen: 52.999 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

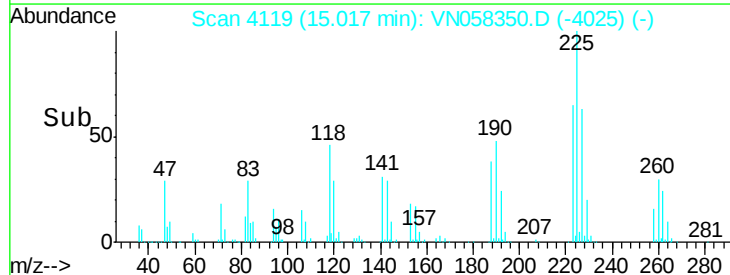
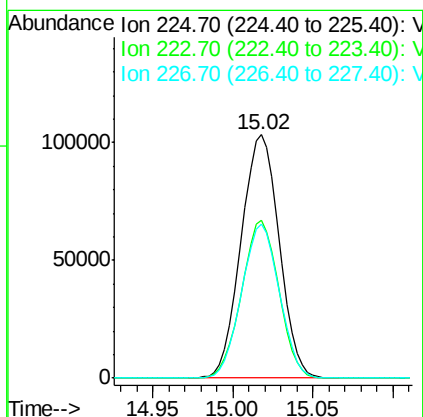
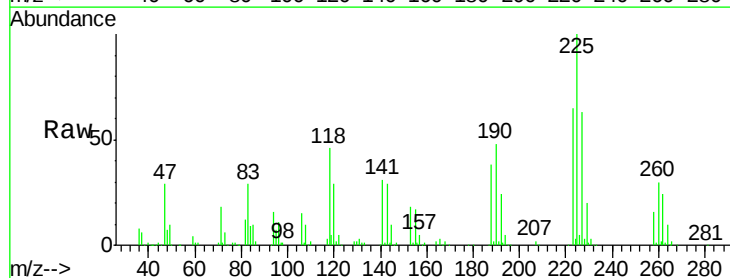
Instrument :
 MSVOA_N
 ClientSampled :

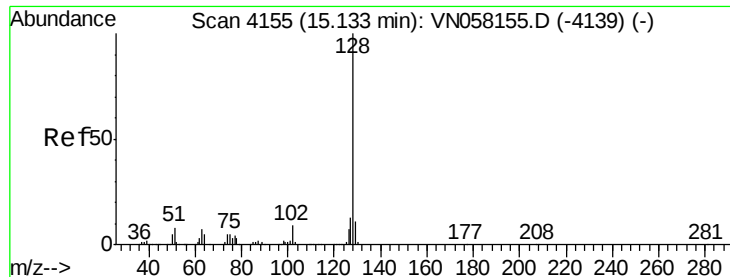
Tot Ion:180 Resp: 338173
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.8 143.3
 145 30.3 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 54.481 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058350.D
 Acq: 25 Sep 2019 8:43

Tgt Ion:225 Resp: 168021
 Ion Ratio Lower Upper
 225 100
 223 63.4 32.6 97.7
 227 62.5 33.0 99.0





#95

Naphthalene

Concen: 53.465 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

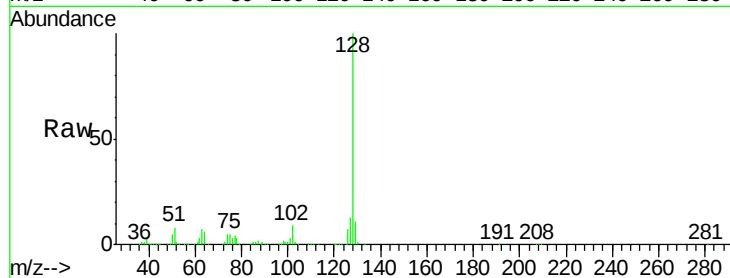
Tot Ion:128 Resp: 884111

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

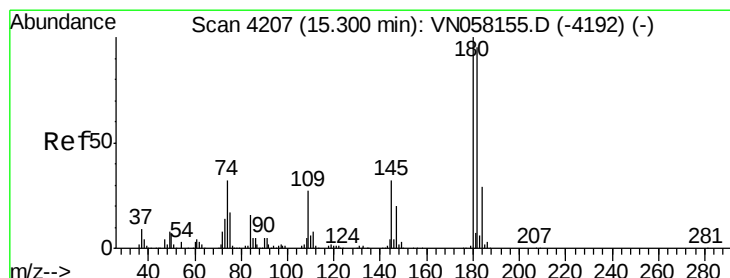
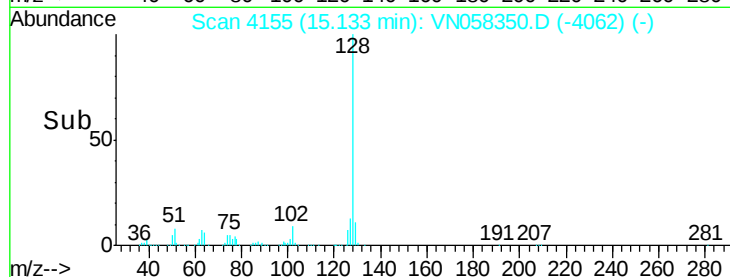
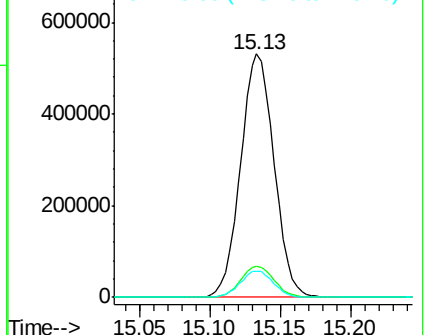
129 10.8 8.6 12.8



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: 52.854 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058350.D

Acq: 25 Sep 2019 8:43

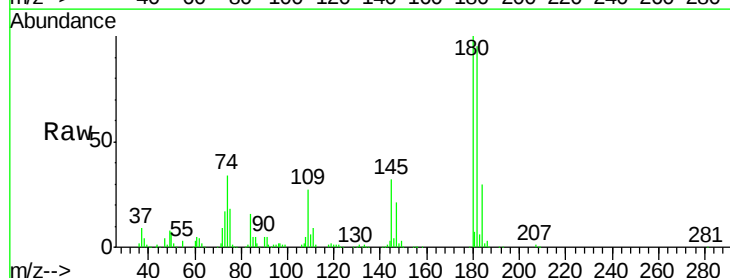
Tgt Ion:180 Resp: 318758

Ion Ratio Lower Upper

180 100

182 95.2 47.4 142.2

145 32.2 16.1 48.2



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

