

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
 Data File : VW003477.D
 Acq On : 23 Jun 2018 23:46
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 25 02:41:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	280512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	449875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	422181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	221789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	157722	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
35) Dibromofluoromethane	7.88	113	138688	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	10.33	98	549693	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.62	95	199171	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	52619	62.047	ug/l	92
3) Chloromethane	2.21	50	98040	45.755	ug/l	95
4) Vinyl Chloride	2.36	62	134938	43.199	ug/l	98
5) Bromomethane	2.78	94	85951	41.400	ug/l	98
6) Chloroethane	2.92	64	88717	40.803	ug/l	99
7) Trichlorofluoromethane	3.25	101	81573	43.592	ug/l	96
8) Diethyl Ether	3.68	74	68337	49.712	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	116827	44.959	ug/l	99
10) Methyl Iodide	4.26	142	189053	48.107	ug/l	100
11) Tert butyl alcohol	5.23	59	46135	283.122	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	116426	45.849	ug/l	99
13) Acrolein	3.90	56	70541	302.782	ug/l	96
14) Allyl chloride	4.66	41	218920	49.771	ug/l	97
15) Acrylonitrile	5.38	53	149533	264.388	ug/l	99
16) Acetone	4.15	43	141765	222.468	ug/l	99
17) Carbon Disulfide	4.37	76	337737	44.988	ug/l	98
18) Methyl Acetate	4.68	43	82351	54.475	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	260056	54.679	ug/l	99
20) Methylene Chloride	4.91	84	135026	49.872	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	132376	47.900	ug/l	97
22) Diisopropyl ether	6.32	45	473745	53.515	ug/l	100
23) Vinyl Acetate	6.26	43	1357001	266.007	ug/l	99
24) 1,1-Dichloroethane	6.21	63	260095	49.492	ug/l	99
25) 2-Butanone	7.18	43	203486	256.800	ug/l	97
26) 2,2-Dichloropropane	7.17	77	157032	44.773	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	151686	49.964	ug/l	99
28) Bromochloromethane	7.51	49	127116	58.126	ug/l	98
29) Tetrahydrofuran	7.54	42	133462	275.588	ug/l	98
30) Chloroform	7.68	83	271121	50.639	ug/l	99
31) Cyclohexane	7.96	56	217632	44.327	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	209429	47.389	ug/l	99
36) 1,1-Dichloropropene	8.09	75	200832	46.225	ug/l	99
37) Ethyl Acetate	7.26	43	93313	51.844	ug/l	99
38) Carbon Tetrachloride	8.07	117	193014	45.291	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	230404	45.833	ug/l	97
40) Benzene	8.33	78	581061	48.520	ug/l	100
41) Methacrylonitrile	7.49	41	51685	46.795	ug/l	91
42) 1,2-Dichloroethane	8.40	62	183723	48.966	ug/l	99
43) Isopropyl Acetate	8.43	43	186541	52.196	ug/l	100
44) Trichloroethene	9.09	130	148319	46.740	ug/l	98
45) 1,2-Dichloropropane	9.37	63	152057	49.868	ug/l	96
46) Dibromomethane	9.46	93	77476	49.629	ug/l	99
47) Bromodichloromethane	9.65	83	198180	49.526	ug/l	99
48) Methyl methacrylate	9.44	41	89285	53.160	ug/l	98
49) 1,4-Dioxane	9.49	88	24079	1021.551	ug/l	87
51) 4-Methyl-2-Pentanone	10.21	43	488984	268.513	ug/l	99
52) Toluene	10.39	92	371135	48.328	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	204509	50.031	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	232976	50.077	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	110977	50.448	ug/l	99
56) Ethyl methacrylate	10.65	69	145558	54.490	ug/l	97
57) 1,3-Dichloropropane	10.94	76	193005	50.870	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	333019	278.096	ug/l	98
59) 2-Hexanone	10.98	43	337923	265.623	ug/l	99
60) Dibromochloromethane	11.13	129	131767	50.368	ug/l	98
61) 1,2-Dibromoethane	11.24	107	105914	50.900	ug/l	99
64) Tetrachloroethene	10.87	164	130704	46.287	ug/l	98
65) Chlorobenzene	11.66	112	410649	46.709	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	146963	47.568	ug/l	100
67) Ethyl Benzene	11.74	91	740744	47.532	ug/l	99
68) m/p-Xylenes	11.85	106	561750	94.824	ug/l	99
69) o-Xylene	12.17	106	267991	48.812	ug/l	100
70) Styrene	12.19	104	447745	48.995	ug/l	100
71) Bromoform	12.35	173	79083	49.390	ug/l	99
73) Isopropylbenzene	12.47	105	735371	47.670	ug/l	100
74) N-amyl acetate	12.28	43	184274	52.481	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	131025	50.205	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	178565	94.178	ug/l #	100
77) Bromobenzene	12.76	156	170179	47.369	ug/l	95
78) n-propylbenzene	12.81	91	896963	47.485	ug/l	99
79) 2-Chlorotoluene	12.90	91	511891	47.954	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	624743	48.248	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	40876	49.608	ug/l	96
82) 4-Chlorotoluene	12.99	91	536603	47.387	ug/l	100
83) tert-Butylbenzene	13.21	119	525686	47.638	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	645294	48.447	ug/l	100
85) sec-Butylbenzene	13.39	105	772605	47.103	ug/l	100
86) p-Isopropyltoluene	13.51	119	680480	47.037	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	345298	46.786	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	344468	46.949	ug/l	99
89) n-Butylbenzene	13.83	91	657133	46.600	ug/l	100
90) Hexachloroethane	14.10	117	123787	47.301	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	310596	48.043	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22726	51.745	ug/l	97

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Response via : Initial Calibration

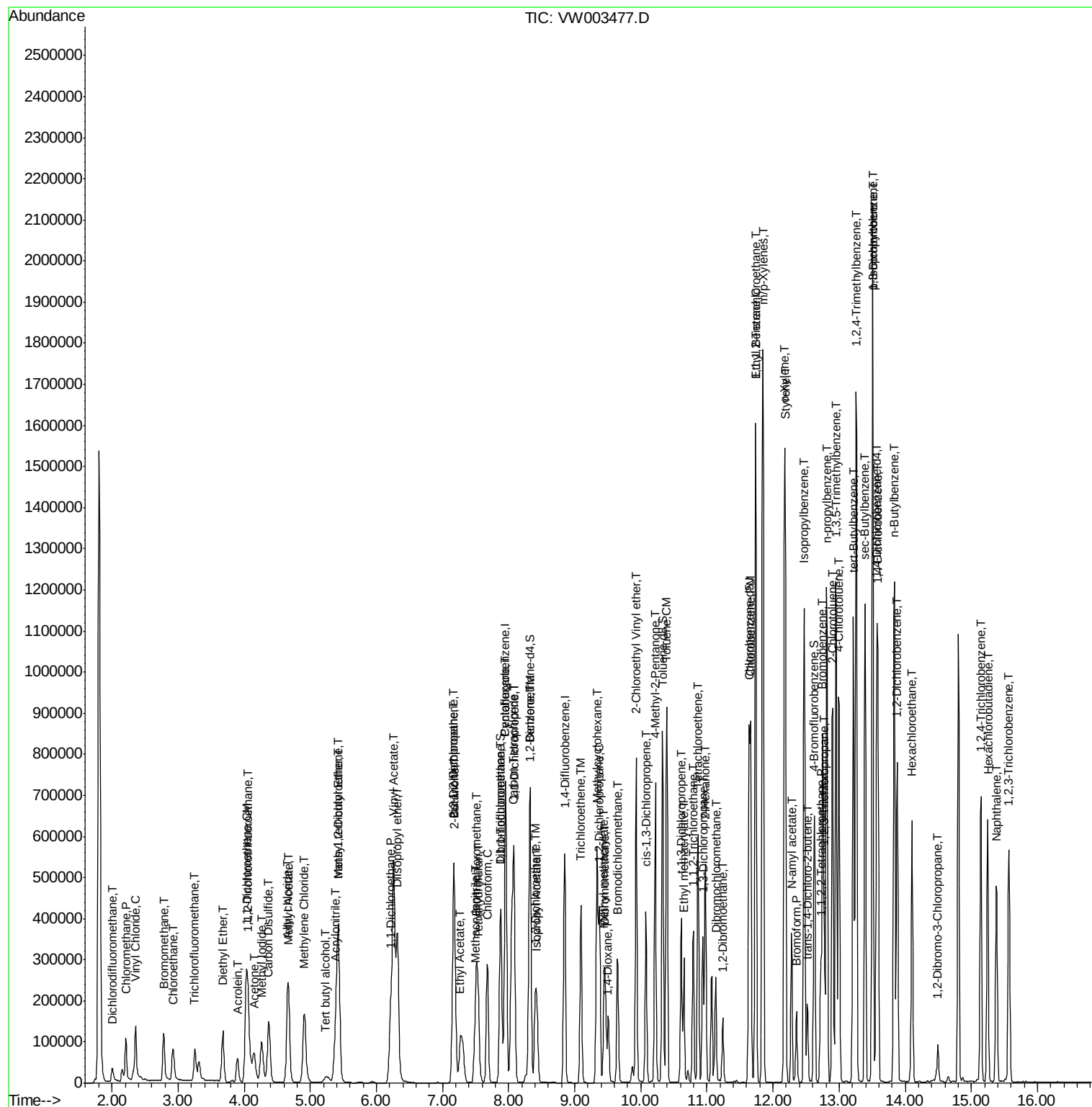
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	216968	47.807	ug/l	99
94) Hexachlorobutadiene	15.25	225	123518	45.244	ug/l	99
95) Naphthalene	15.38	128	403052	52.354	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	193281	48.383	ug/l	99

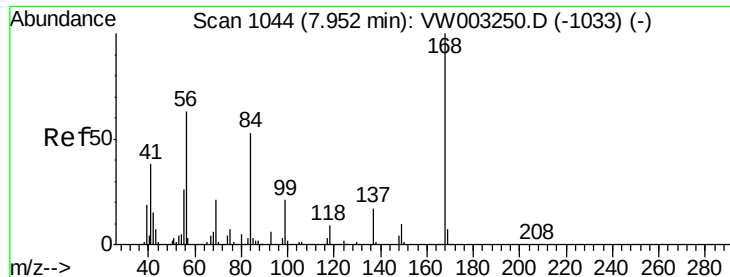
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

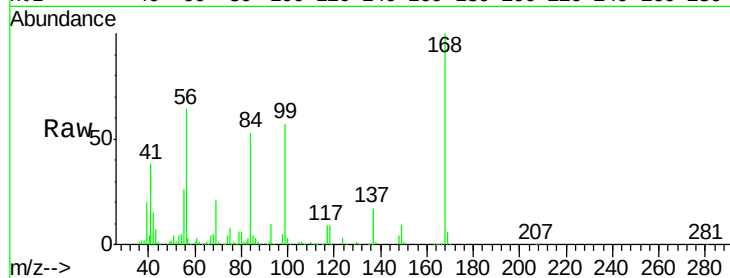
VSTDCCC050

Tgt Ion:168 Resp: 280512

Ion Ratio Lower Upper

168 100

99 57.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

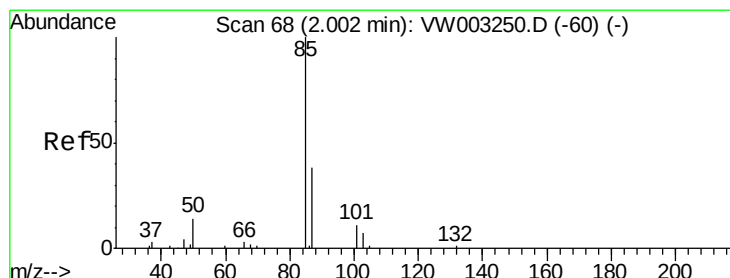
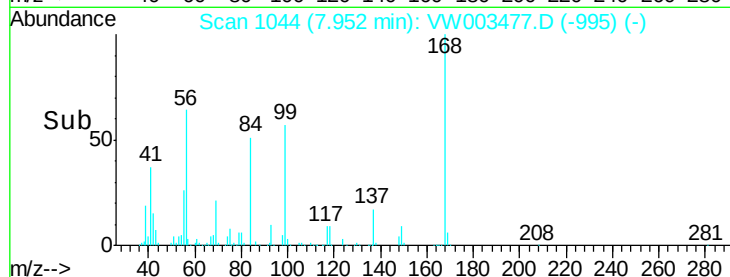
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 62.047 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003477.D

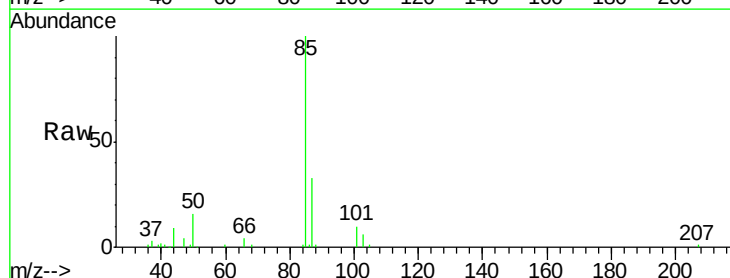
Acq: 23 Jun 2018 23:46

Tgt Ion: 85 Resp: 52619

Ion Ratio Lower Upper

85 100

87 33.2 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

20000

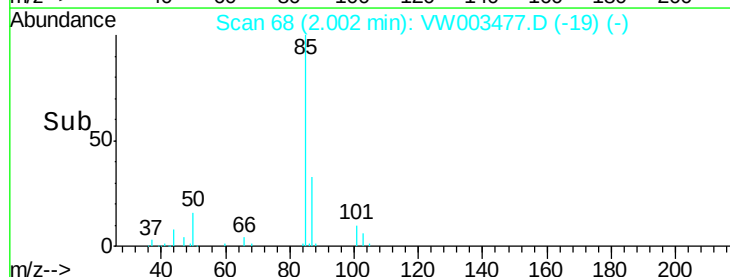
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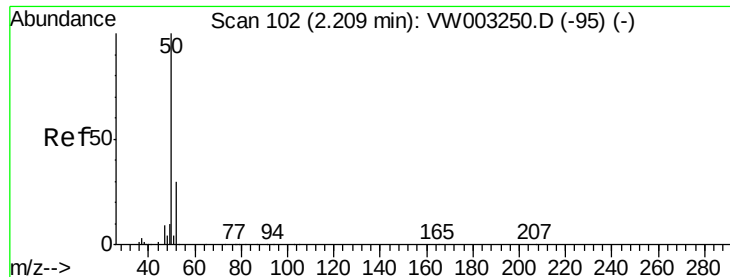
10000

5000

0

Time-->





#3

Chloromethane

Concen: 45.755 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

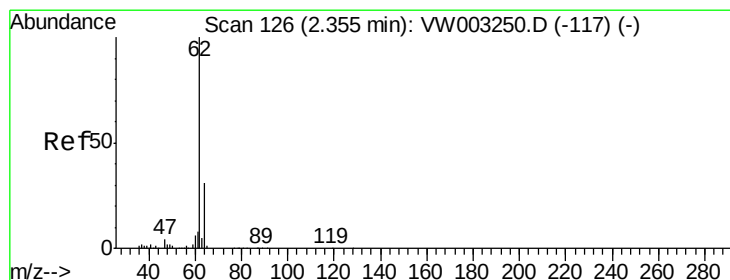
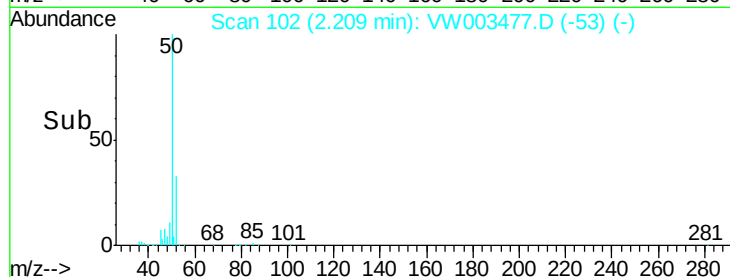
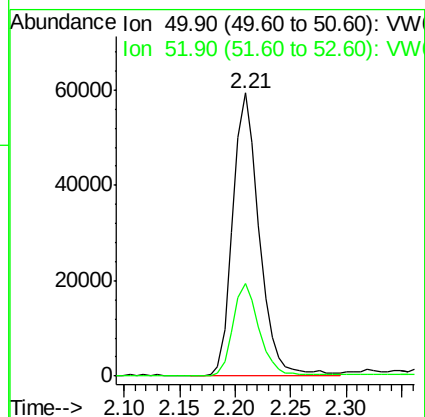
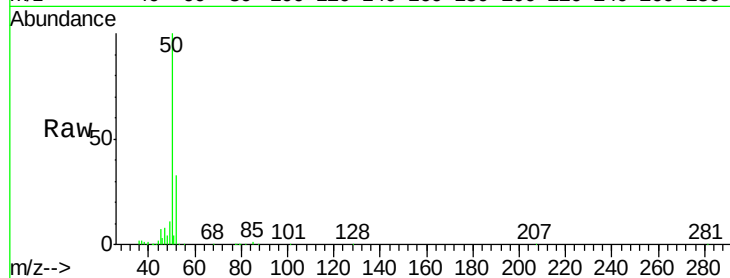
VSTDCCC050

Tgt Ion: 50 Resp: 98040

Ion Ratio Lower Upper

50 100

52 32.8 24.2 36.2



#4

Vinyl Chloride

Concen: 43.199 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003477.D

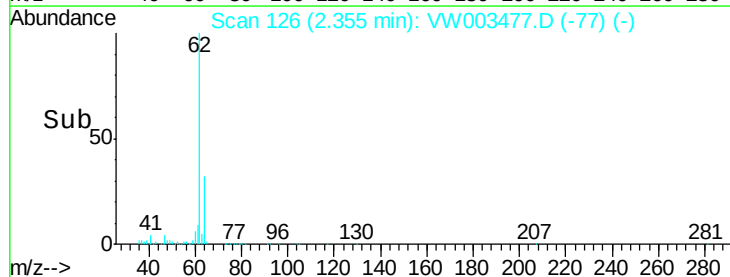
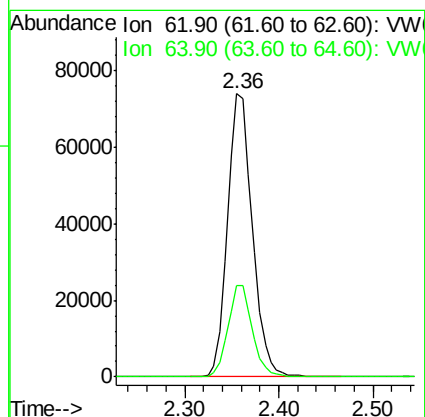
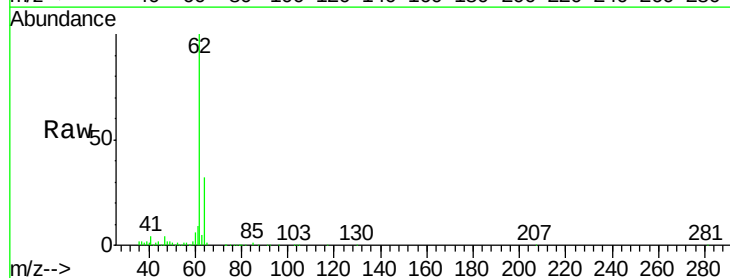
Acq: 23 Jun 2018 23:46

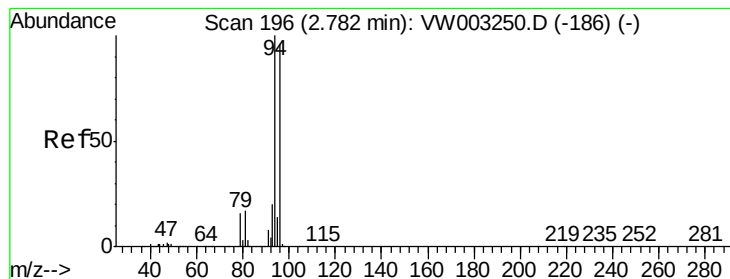
Tgt Ion: 62 Resp: 134938

Ion Ratio Lower Upper

62 100

64 32.3 24.9 37.3





#5

Bromomethane

Concen: 41.400 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

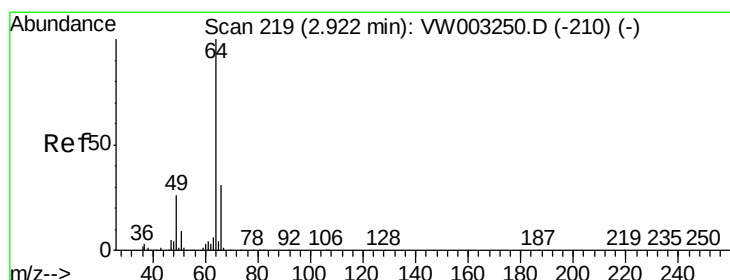
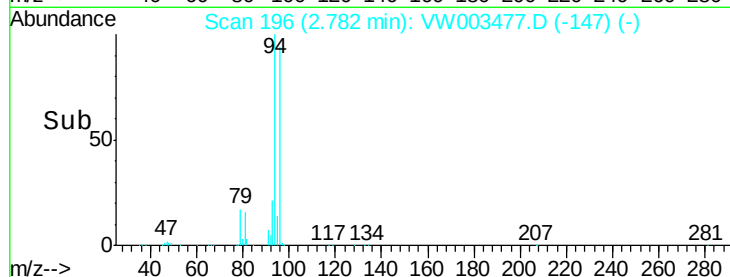
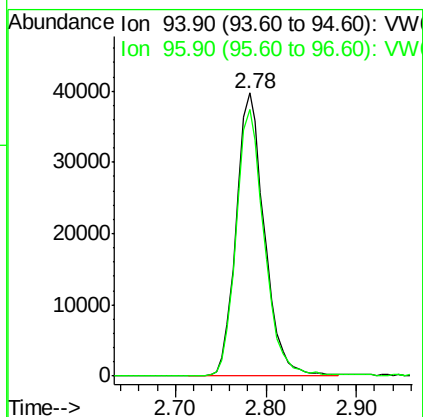
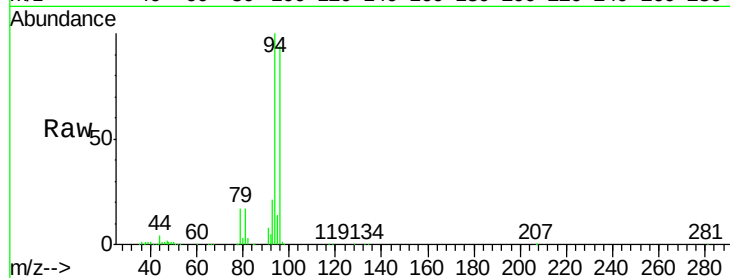
VSTDCCC050

Tgt Ion: 94 Resp: 85951

Ion Ratio Lower Upper

94 100

96 94.0 76.5 114.7



#6

Chloroethane

Concen: 40.803 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003477.D

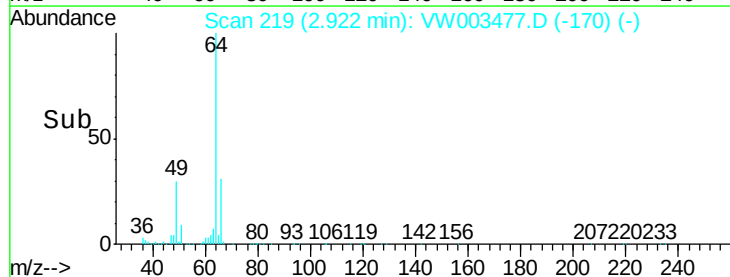
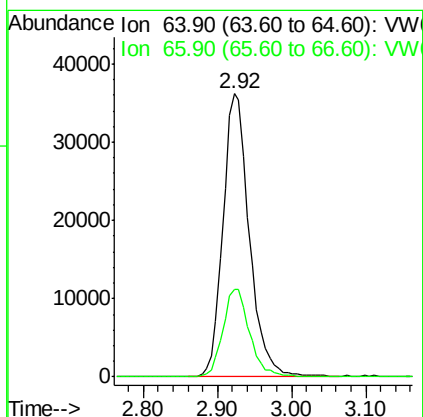
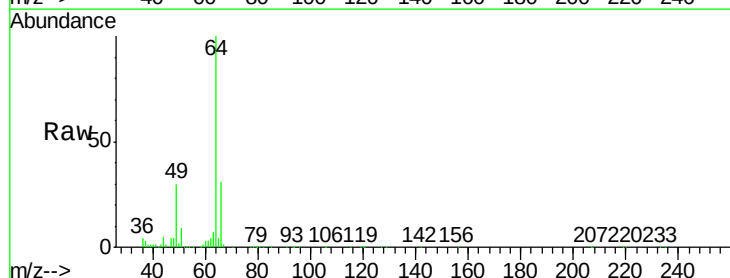
Acq: 23 Jun 2018 23:46

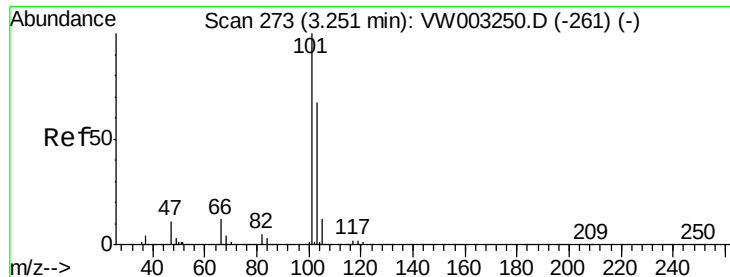
Tgt Ion: 64 Resp: 88717

Ion Ratio Lower Upper

64 100

66 31.1 24.4 36.6



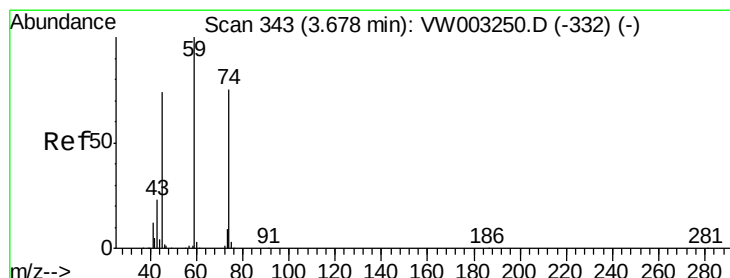
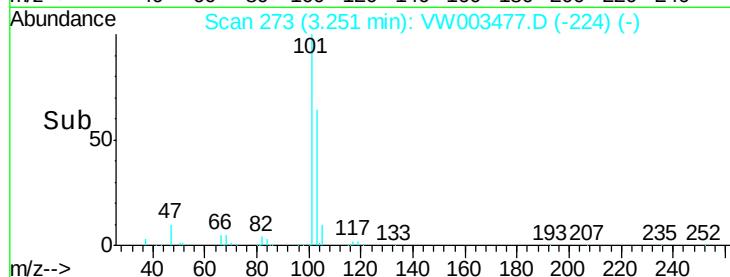
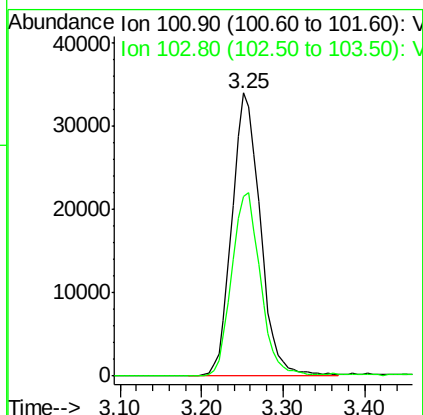
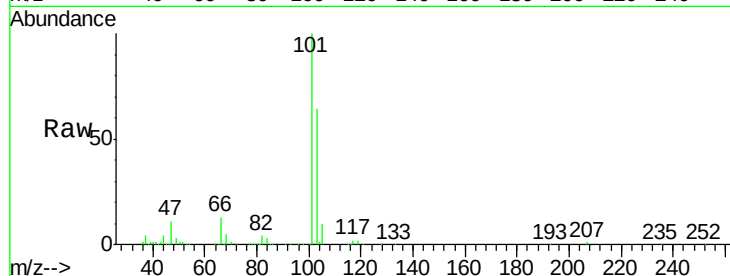


#7

Trichlorofluoromethane
 Concen: 43.592 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

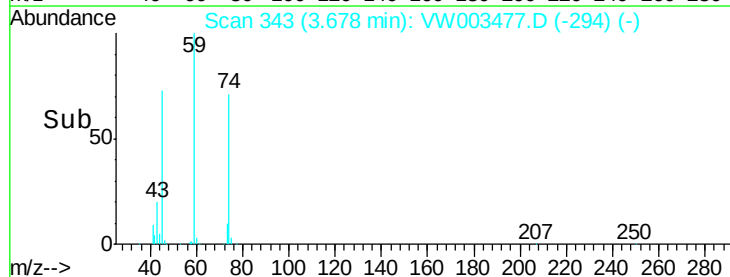
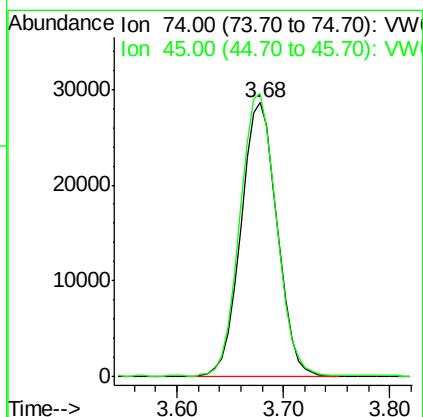
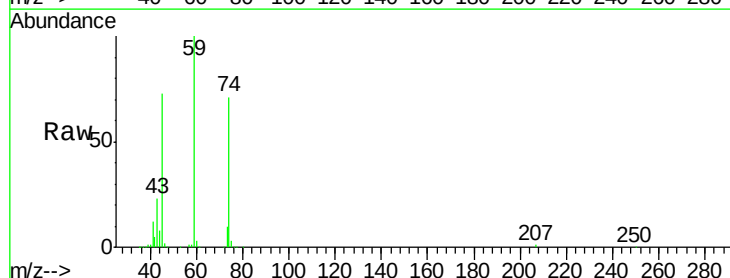
Tgt Ion:101 Resp: 81573
 Ion Ratio Lower Upper
 101 100
 103 63.7 53.4 80.0

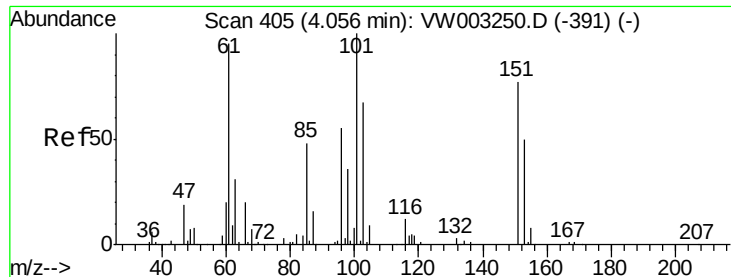


#8

Diethyl Ether
 Concen: 49.712 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Tgt Ion: 74 Resp: 68337
 Ion Ratio Lower Upper
 74 100
 45 103.7 51.4 154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.959 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

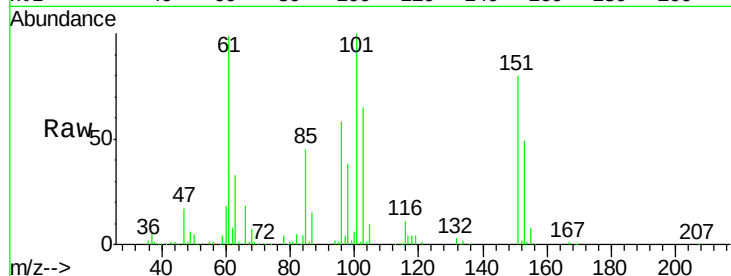
Tgt Ion:101 Resp: 116827

Ion Ratio Lower Upper

101 100

85 46.0 37.0 55.6

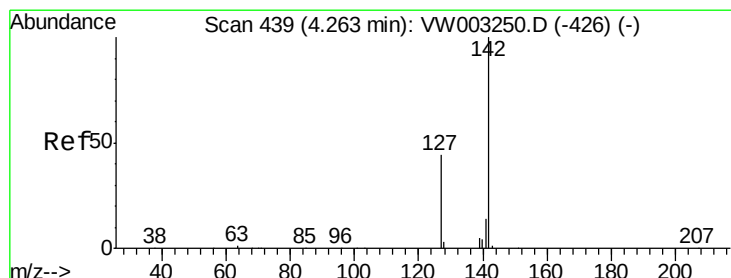
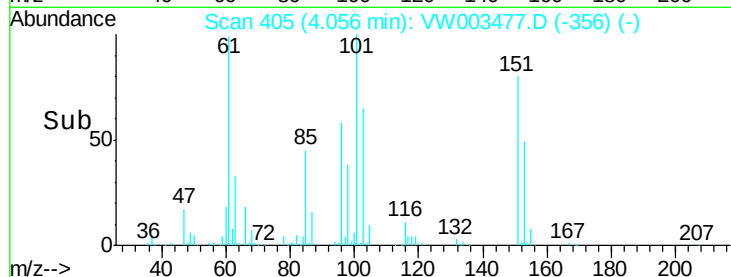
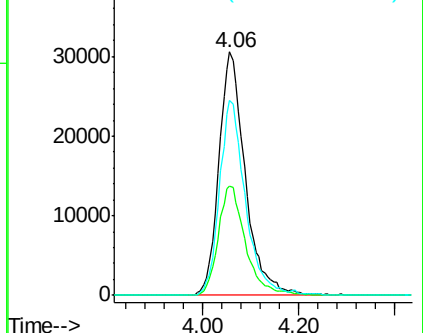
151 78.0 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.107 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

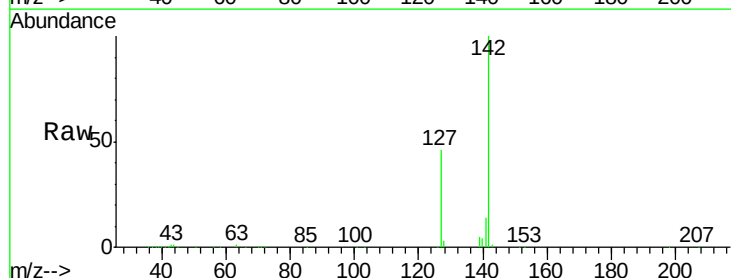
Tgt Ion:142 Resp: 189053

Ion Ratio Lower Upper

142 100

127 45.5 36.5 54.7

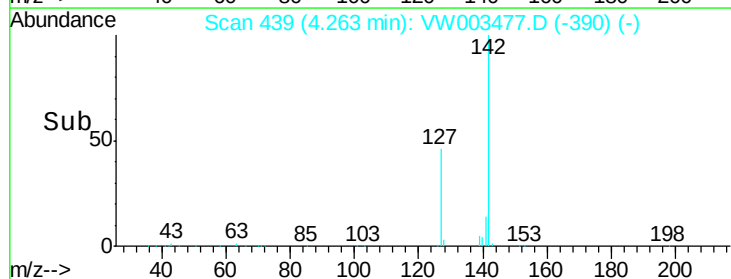
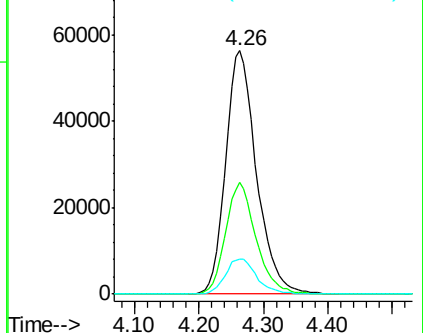
141 14.8 12.1 18.1

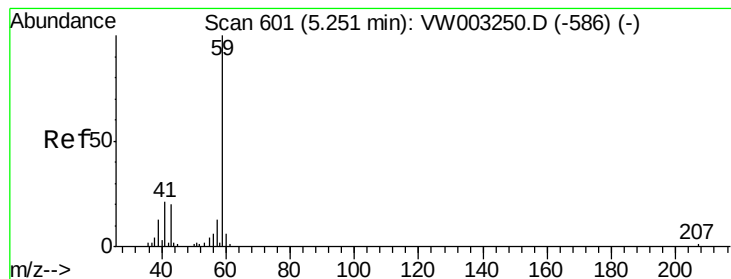


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



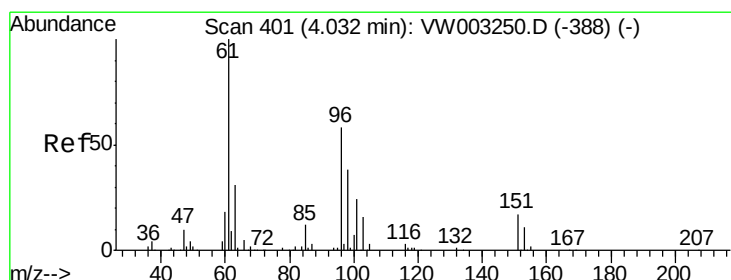
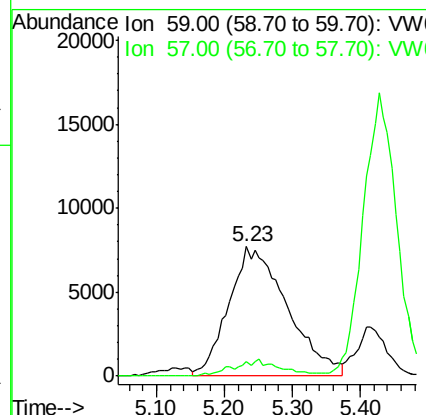
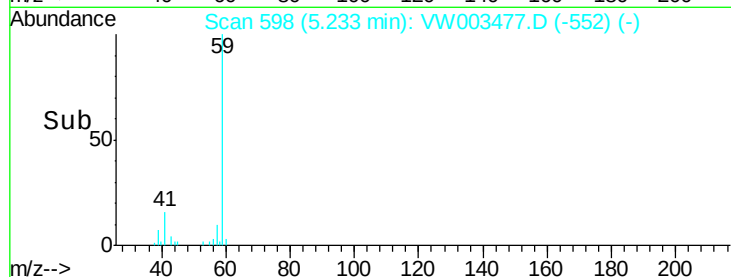
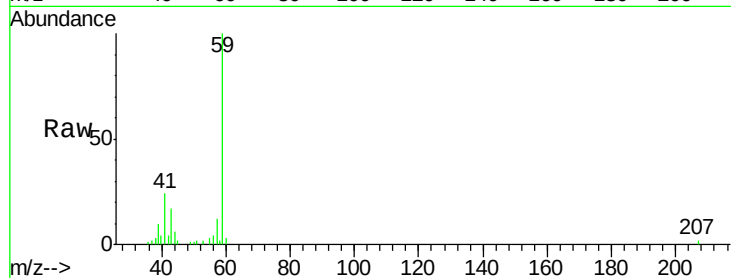


#11

Tert butyl alcohol
Concen: 283.122 ug/l
RT: 5.23 min Scan# 598
Delta R.T. -0.02 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

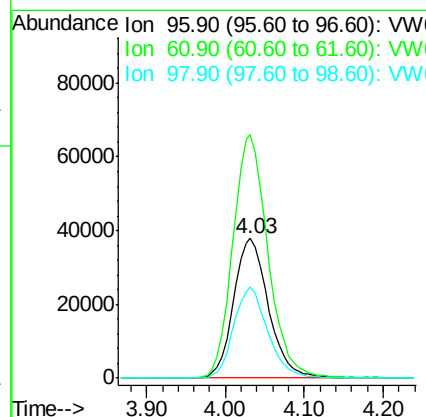
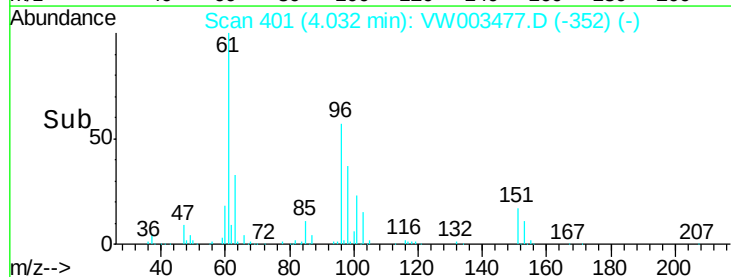
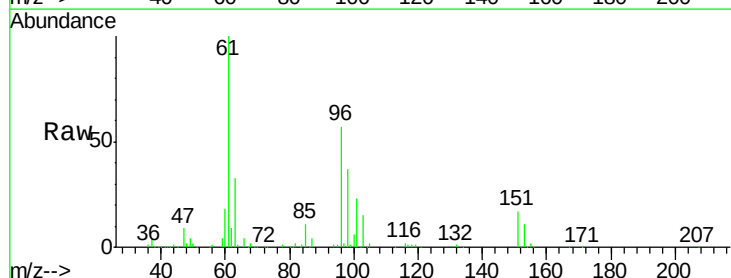
Tgt Ion: 59 Resp: 46135
Ion Ratio Lower Upper
59 100
57 8.0 4.2 6.2#

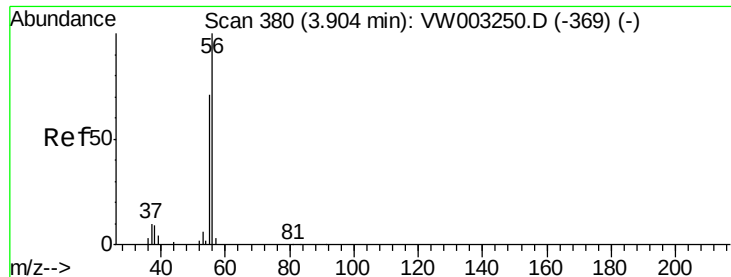


#12

1,1-Dichloroethene
Concen: 45.849 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Tgt Ion: 96 Resp: 116426
Ion Ratio Lower Upper
96 100
61 174.3 139.0 208.4
98 65.0 53.3 79.9





#13

Acrolein

Concen: 302.782 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

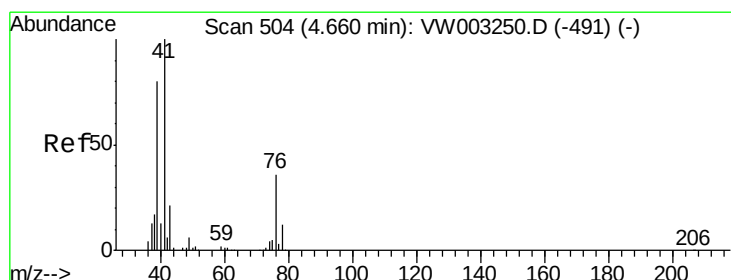
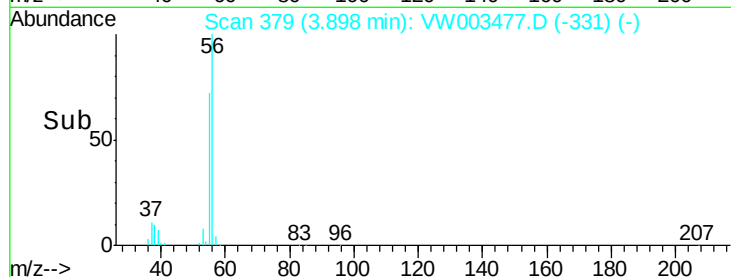
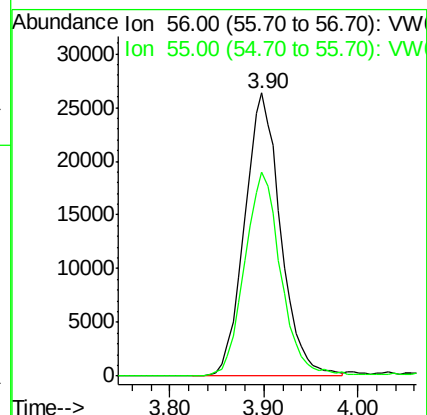
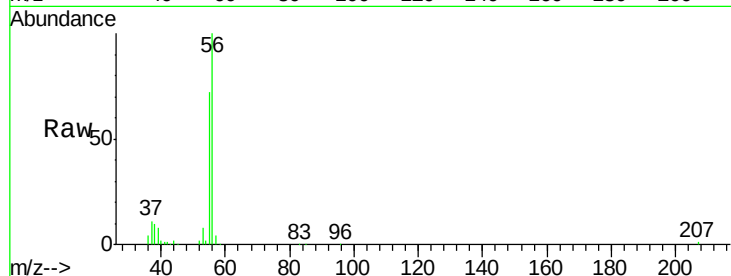
VSTDCCC050

Tgt Ion: 56 Resp: 70541

Ion Ratio Lower Upper

56 100

55 72.7 55.4 83.2



#14

Allyl chloride

Concen: 49.771 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

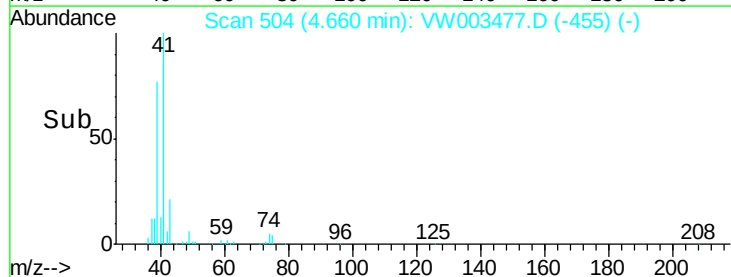
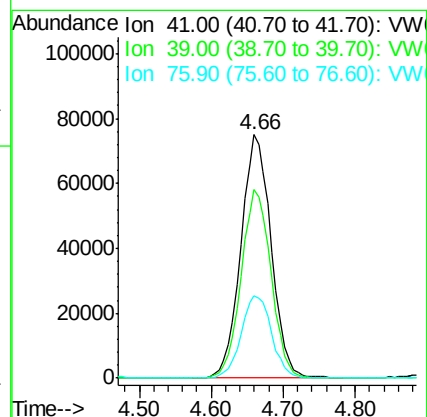
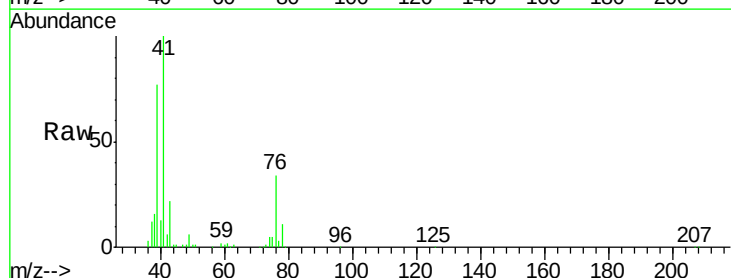
Tgt Ion: 41 Resp: 218920

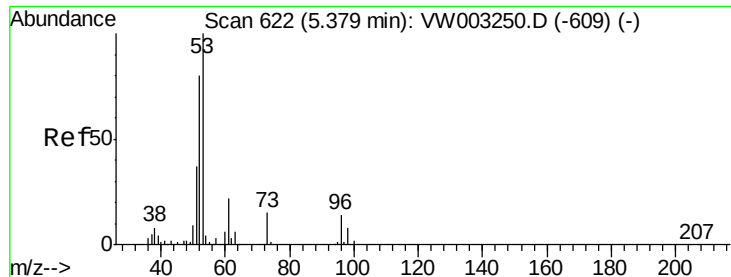
Ion Ratio Lower Upper

41 100

39 76.2 63.2 94.8

76 34.1 28.0 42.0





#15

Acrylonitrile

Concen: 264.388 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

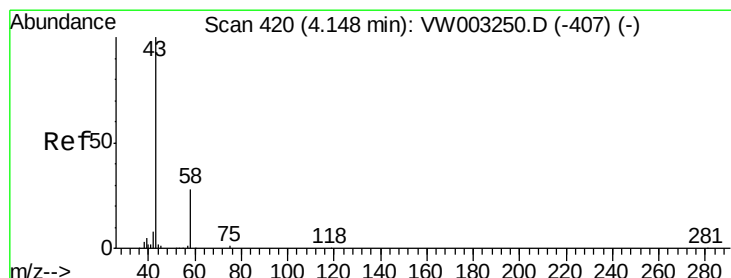
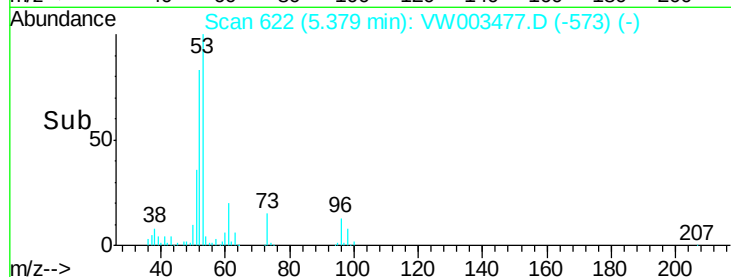
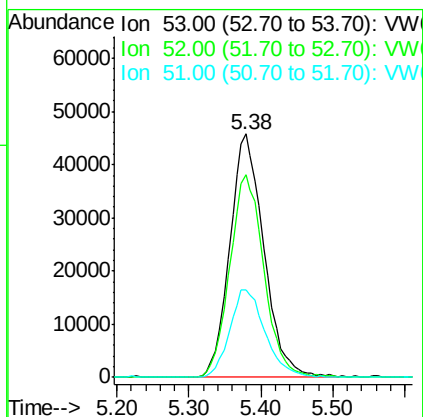
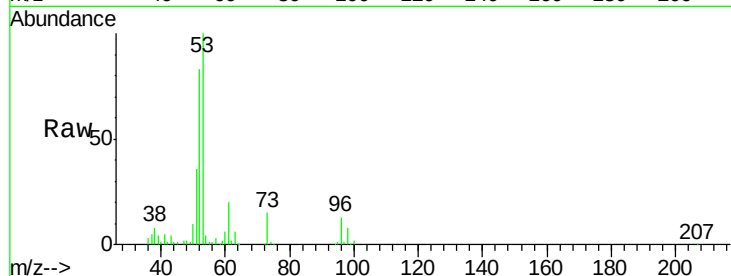
Tgt Ion: 53 Resp: 149533

Ion Ratio Lower Upper

53 100

52 84.1 66.6 100.0

51 37.6 30.6 46.0



#16

Acetone

Concen: 222.468 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003477.D

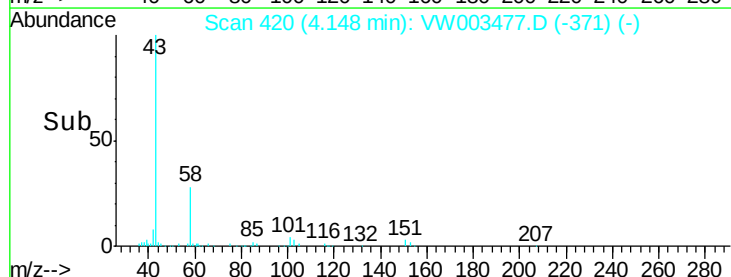
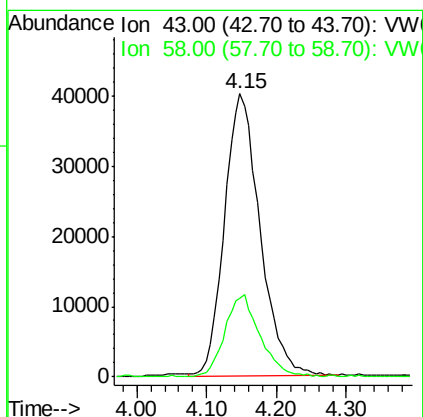
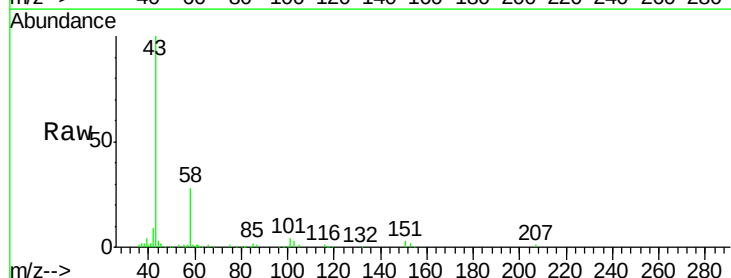
Acq: 23 Jun 2018 23:46

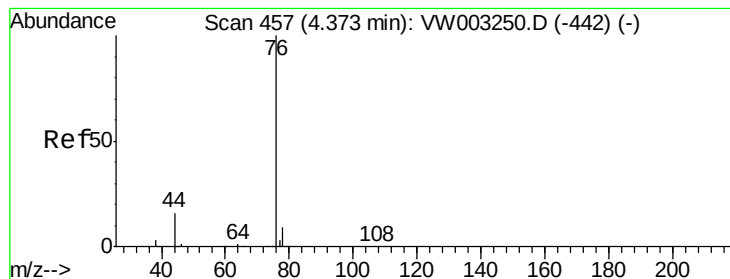
Tgt Ion: 43 Resp: 141765

Ion Ratio Lower Upper

43 100

58 28.0 22.6 34.0





#17

Carbon Disulfide

Concen: 44.988 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

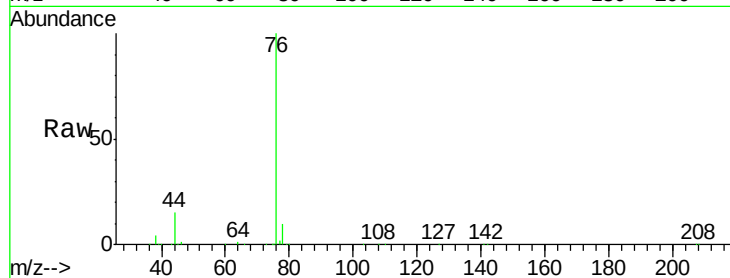
VSTDCCC050

Tgt Ion: 76 Resp: 337737

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

120000

100000

80000

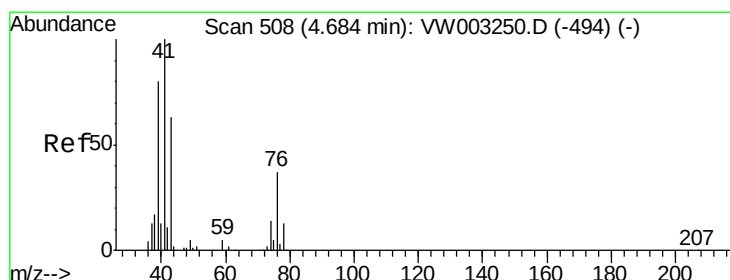
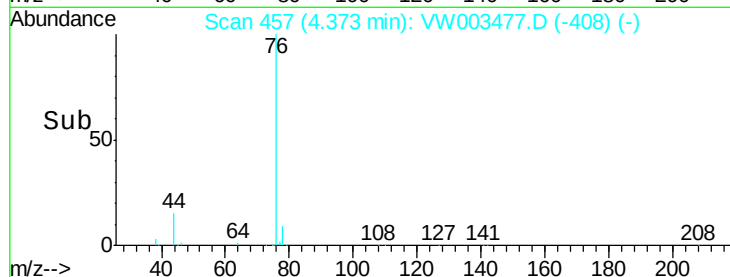
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 54.475 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003477.D

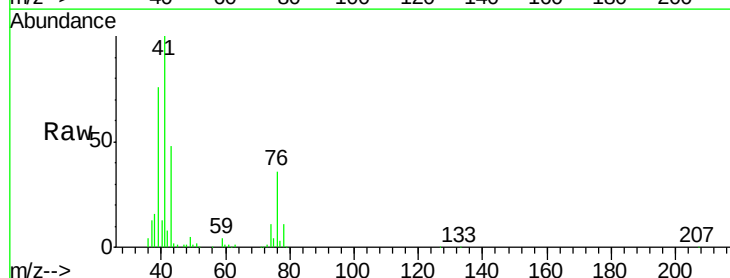
Acq: 23 Jun 2018 23:46

Tgt Ion: 43 Resp: 82351

Ion Ratio Lower Upper

43 100

74 22.3 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

30000

25000

20000

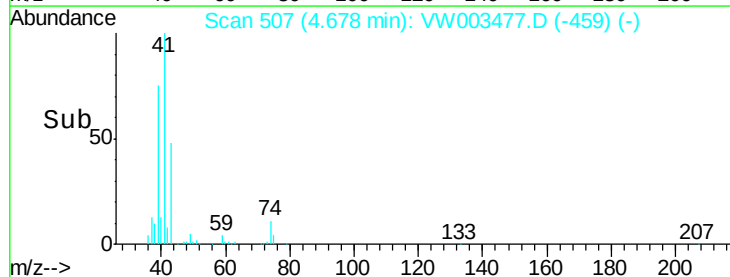
15000

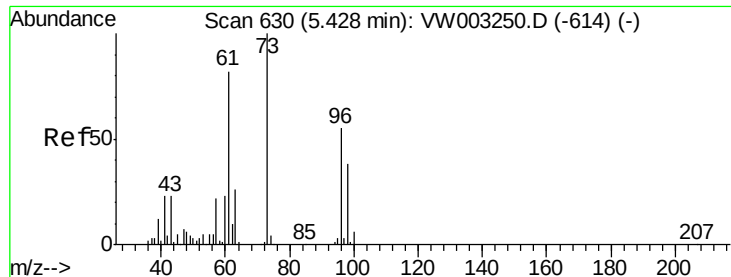
10000

5000

0

Time-->



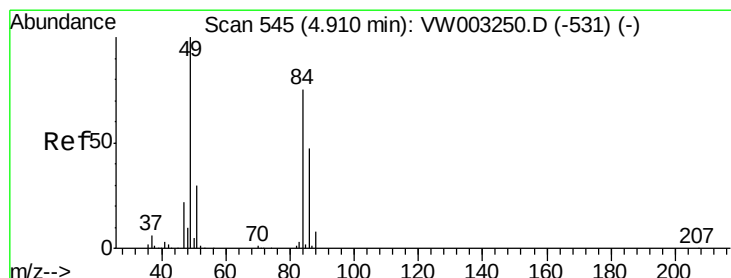
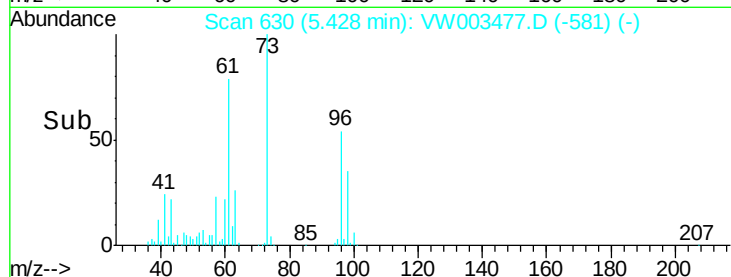
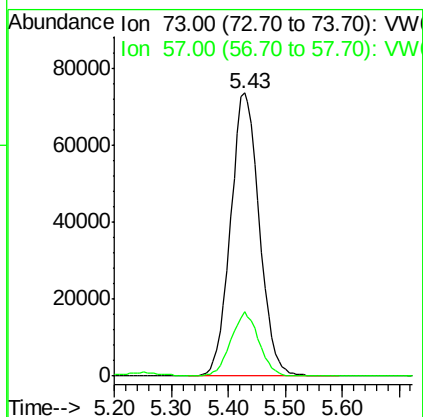
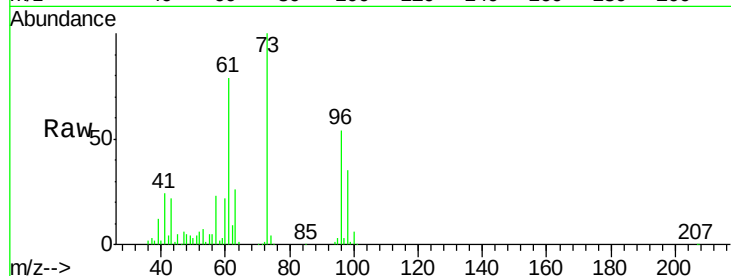


#19

Methyl tert-butyl Ether
 Concen: 54.679 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

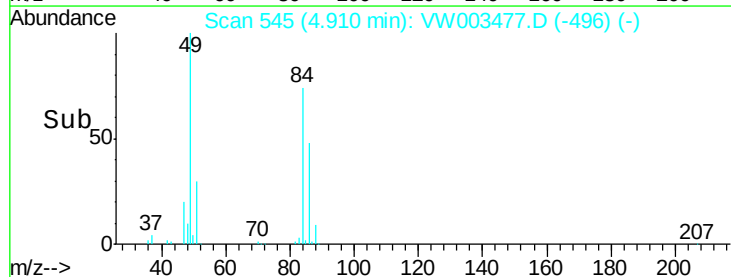
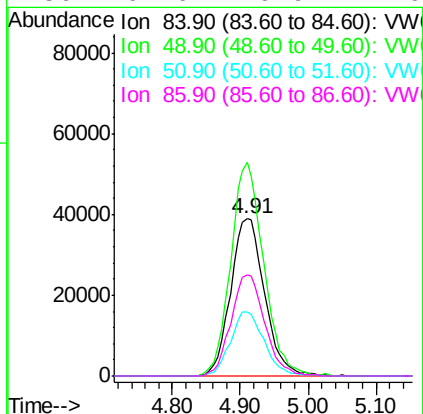
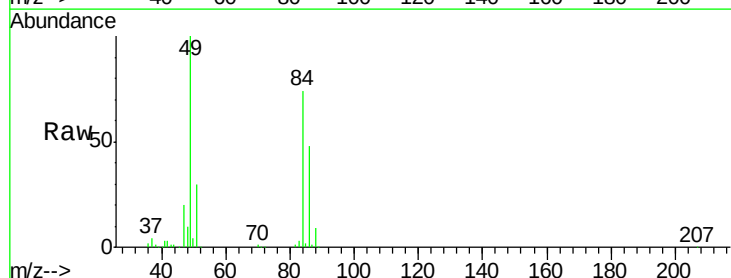
Tgt Ion: 73 Resp: 260056
 Ion Ratio Lower Upper
 73 100
 57 22.9 18.0 27.0

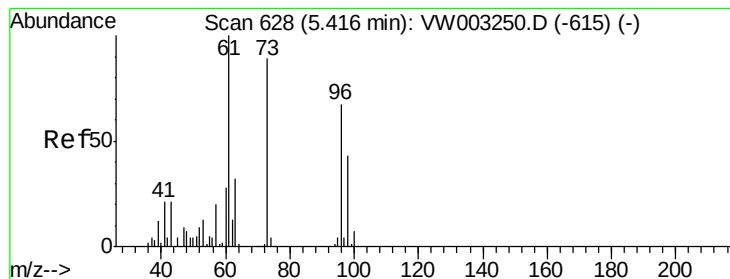


#20

Methylene Chloride
 Concen: 49.872 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Tgt Ion: 84 Resp: 135026
 Ion Ratio Lower Upper
 84 100
 49 136.0 106.3 159.5
 51 41.1 32.0 48.0
 86 64.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 47.900 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

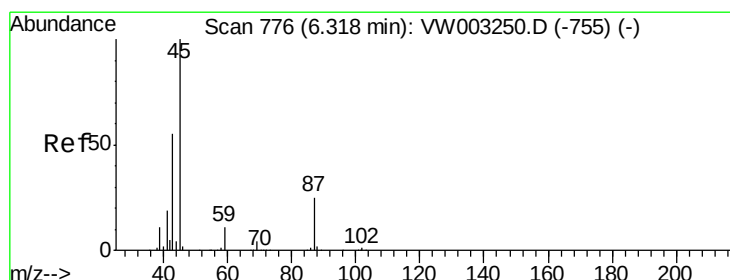
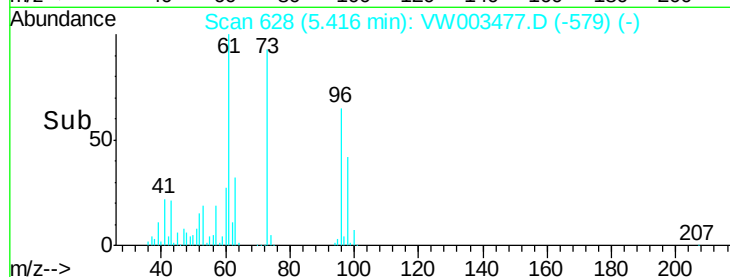
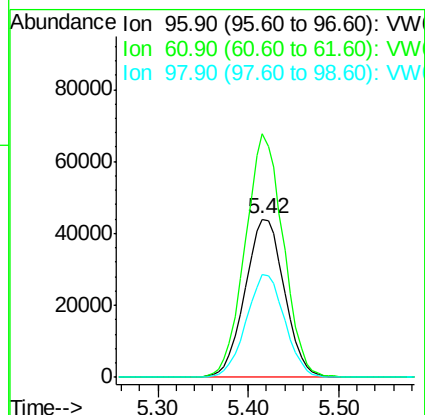
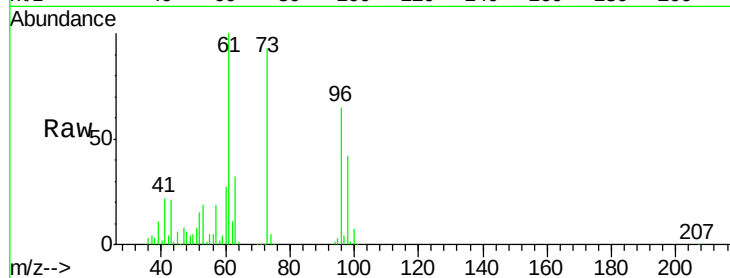
Tgt Ion: 96 Resp: 132376

Ion Ratio Lower Upper

96 100

61 153.6 118.7 178.1

98 64.8 51.0 76.6



#22

Diisopropyl ether

Concen: 53.515 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Tgt Ion: 45 Resp: 473745

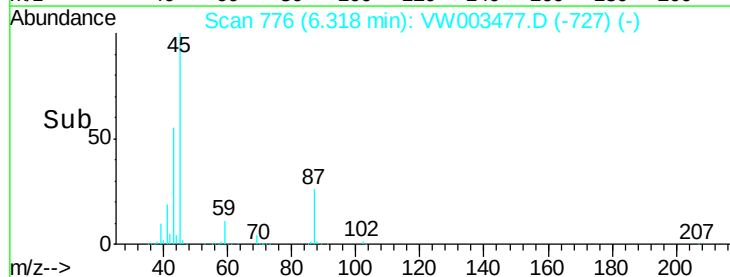
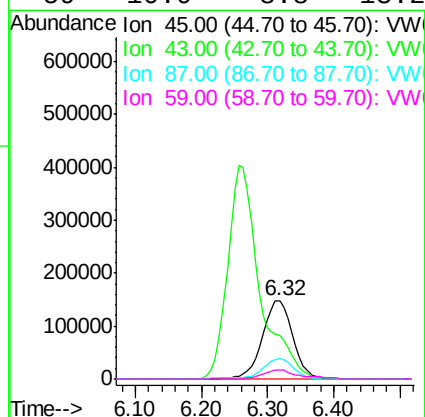
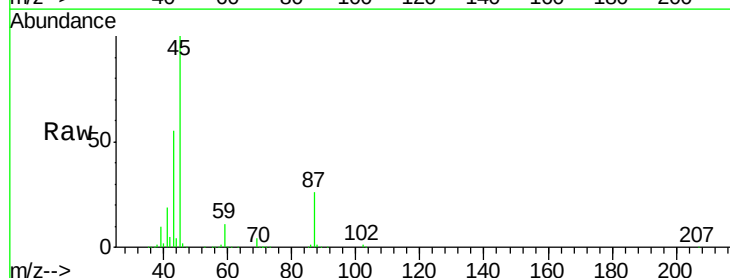
Ion Ratio Lower Upper

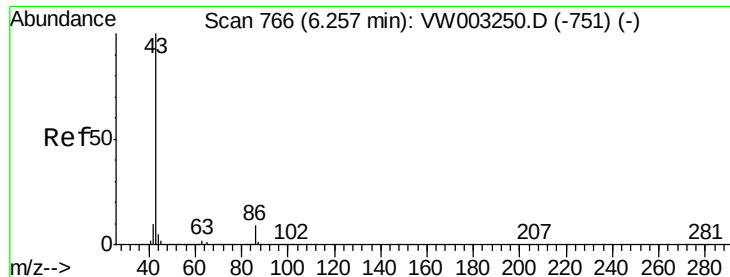
45 100

43 55.4 44.0 66.0

87 26.0 20.6 31.0

59 10.9 8.8 13.2





#23

Vinyl Acetate

Concen: 266.007 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

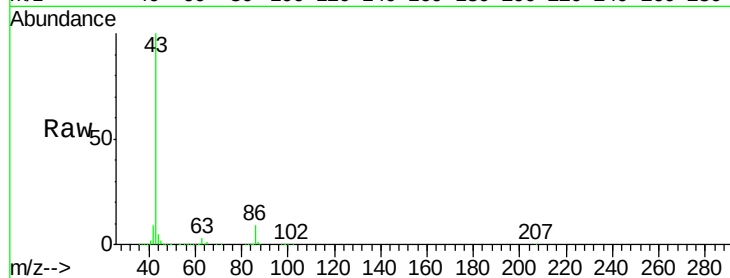
VSTDCCC050

Tgt Ion: 43 Resp: 1357001

Ion Ratio Lower Upper

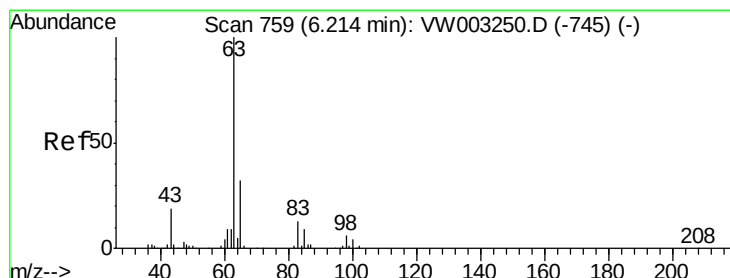
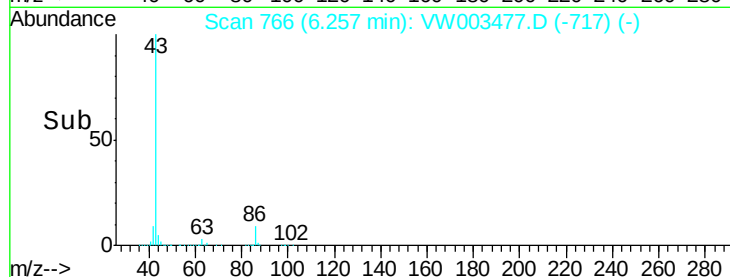
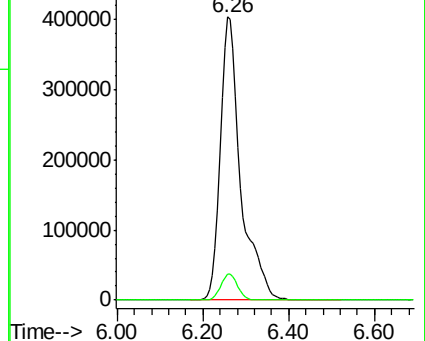
43 100

86 9.1 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.492 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

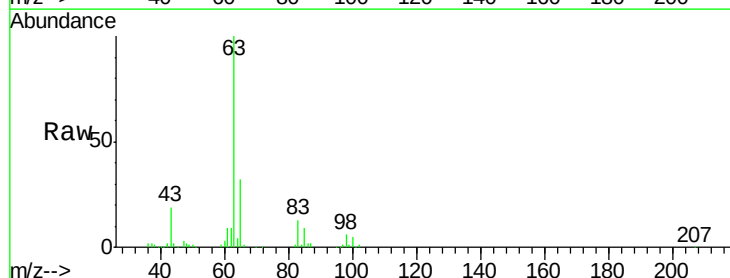
Tgt Ion: 63 Resp: 260095

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.3

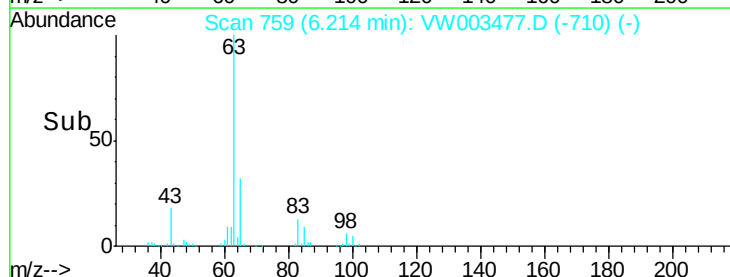
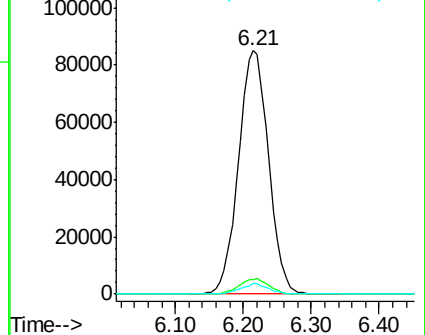
100 4.5 2.1 6.5

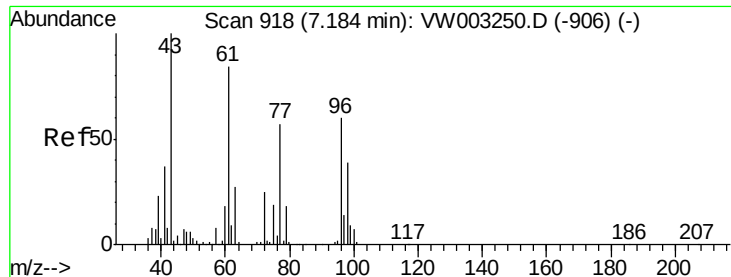


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 256.800 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

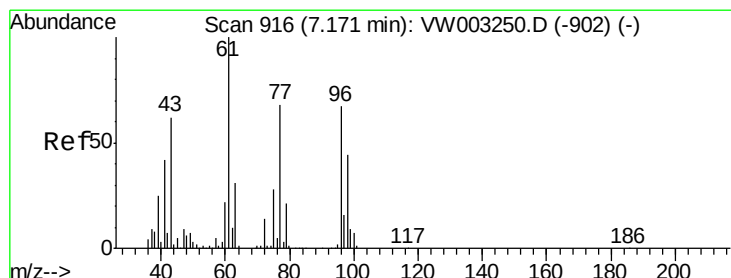
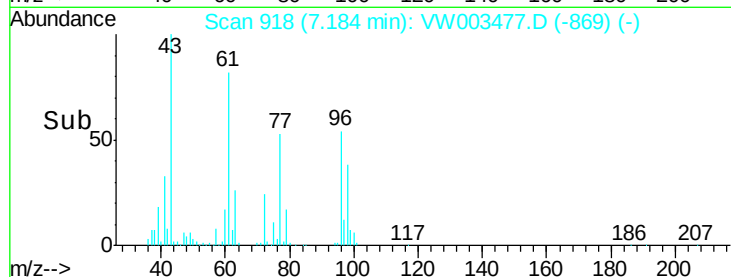
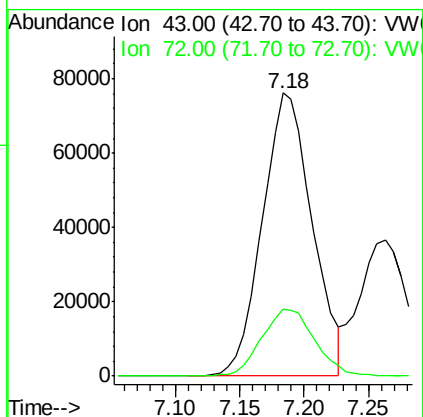
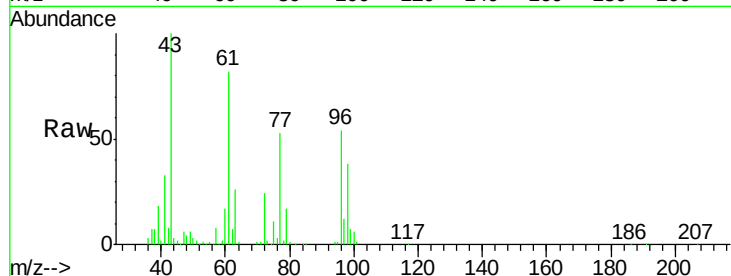
VSTDCCC050

Tgt Ion: 43 Resp: 203486

Ion Ratio Lower Upper

43 100

72 23.8 20.3 30.5



#26

2,2-Dichloropropane

Concen: 44.773 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003477.D

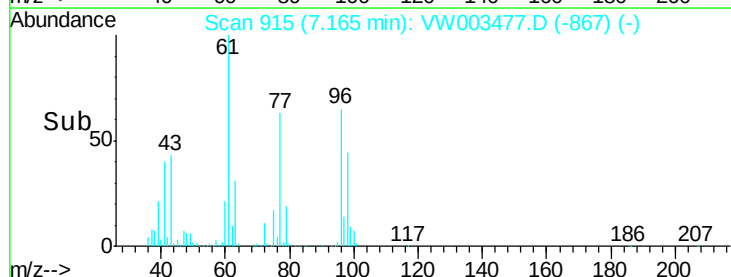
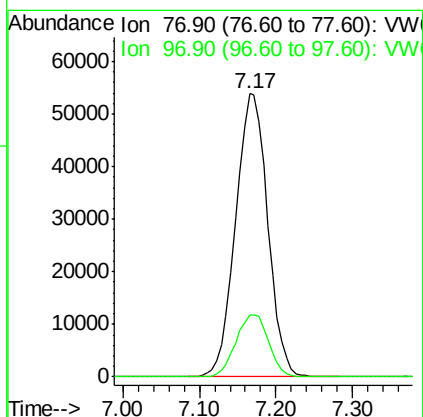
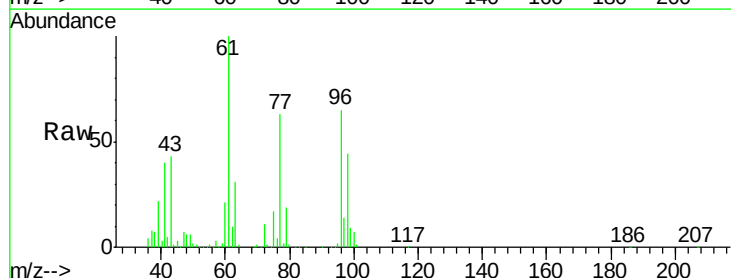
Acq: 23 Jun 2018 23:46

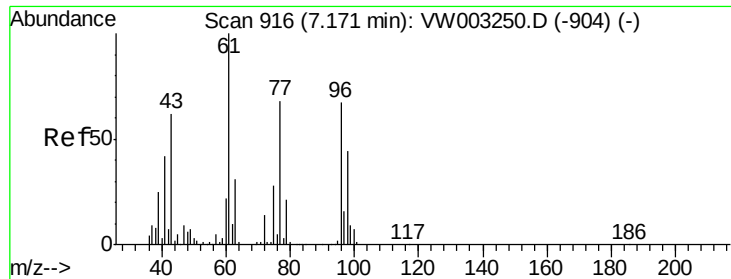
Tgt Ion: 77 Resp: 157032

Ion Ratio Lower Upper

77 100

97 22.2 11.3 33.9



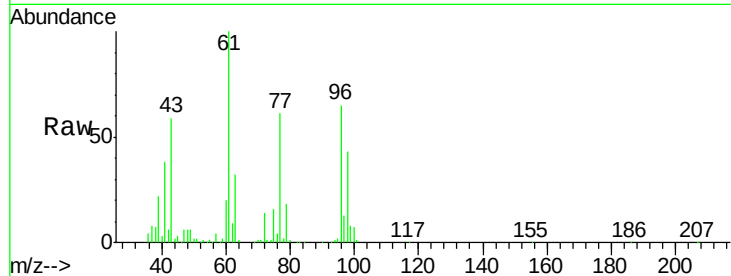


#27

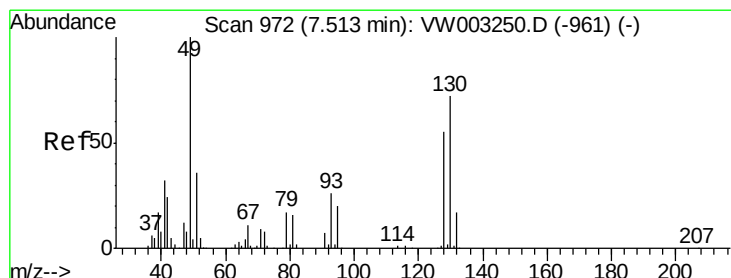
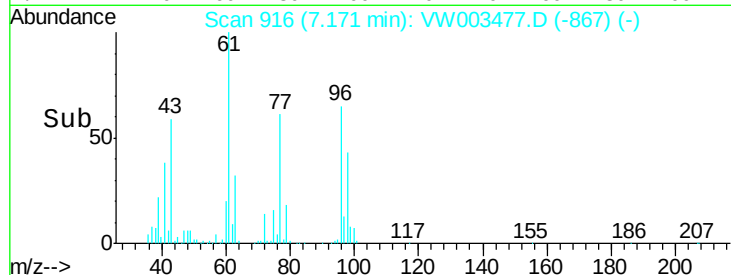
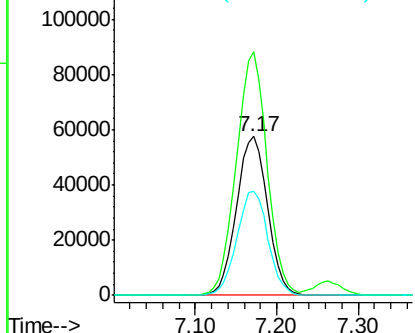
cis-1,2-Dichloroethene
Concen: 49.964 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 151686
Ion Ratio Lower Upper
96 100
61 151.4 0.0 298.8
98 65.6 0.0 130.4



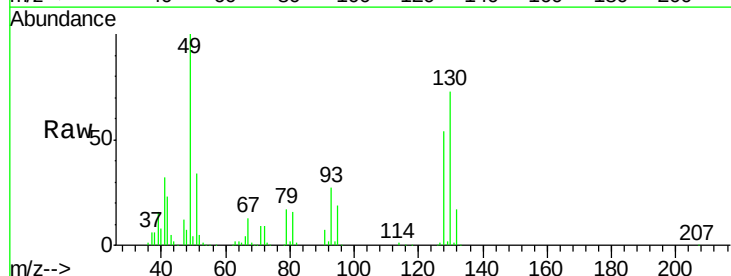
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



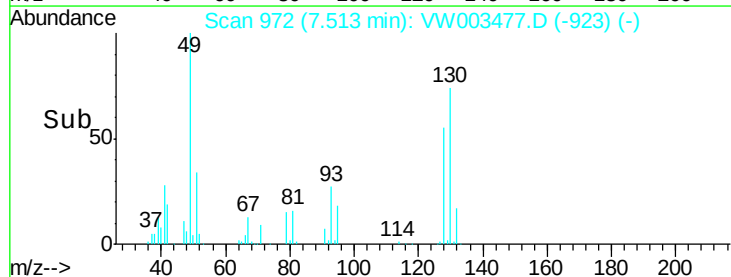
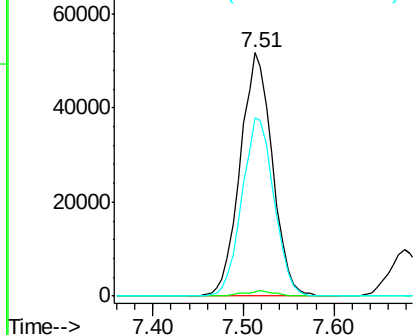
#28

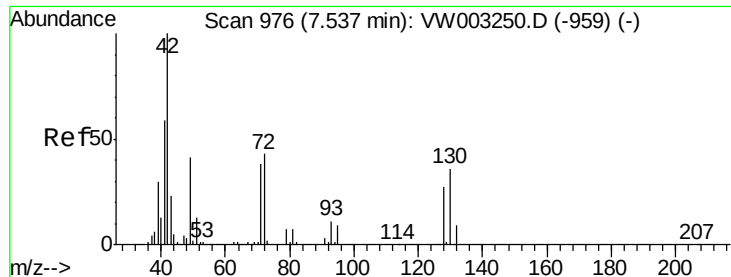
Bromochloromethane
Concen: 58.126 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Tgt Ion: 49 Resp: 127116
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.6
130 73.0 59.4 89.2



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

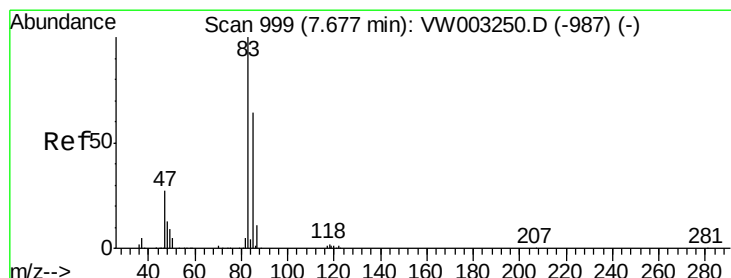
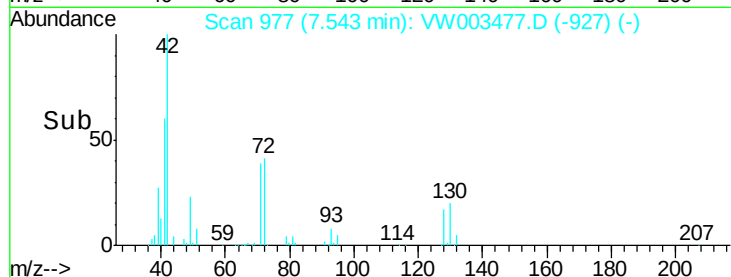
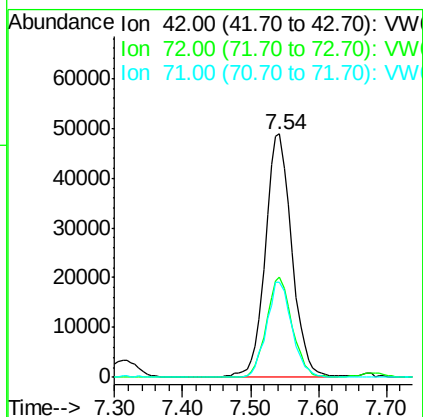
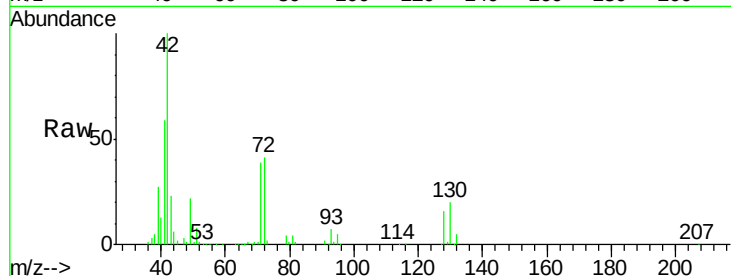




#29
Tetrahydrofuran
Concen: 275.588 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

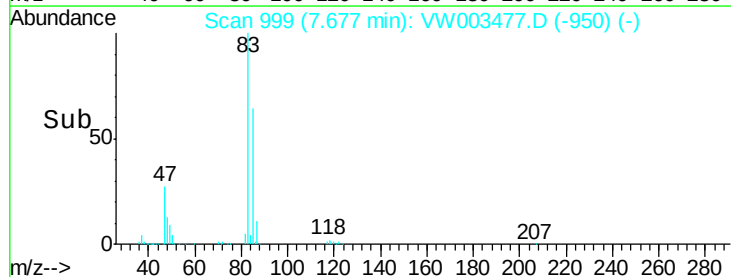
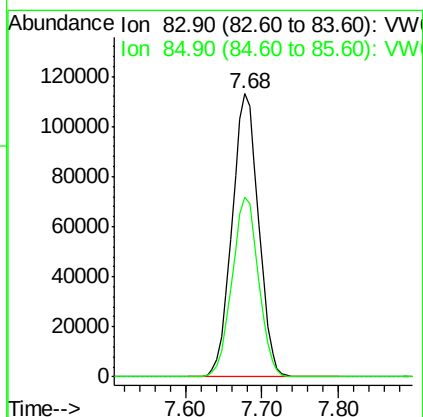
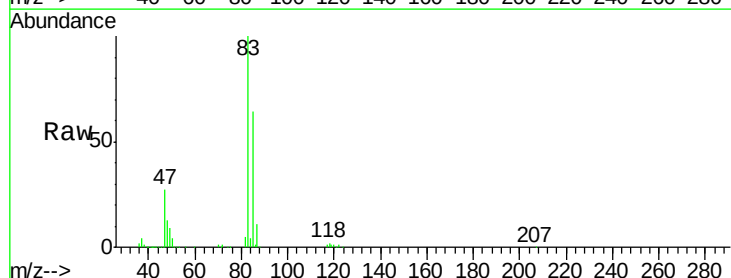
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

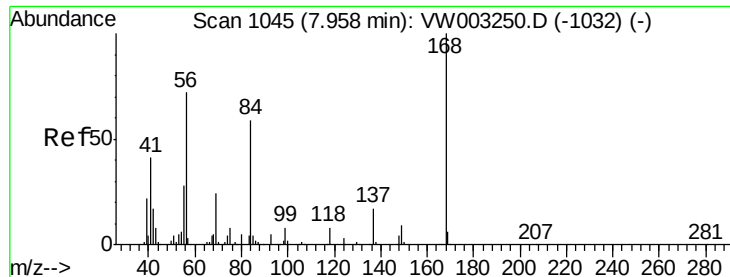
Tgt Ion: 42 Resp: 133462
Ion Ratio Lower Upper
42 100
72 39.7 32.4 48.6
71 37.6 31.2 46.8



#30
Chloroform
Concen: 50.639 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Tgt Ion: 83 Resp: 271121
Ion Ratio Lower Upper
83 100
85 63.7 51.3 76.9





#31

Cyclohexane

Concen: 44.327 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

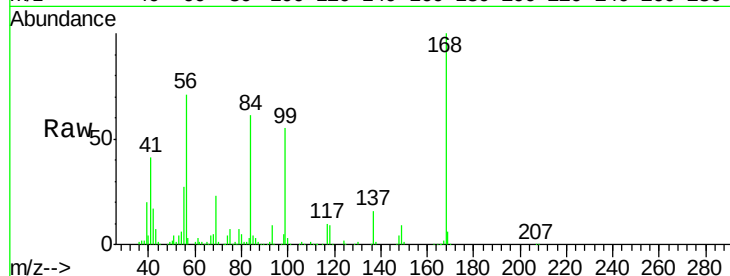
Tgt Ion: 56 Resp: 217632

Ion Ratio Lower Upper

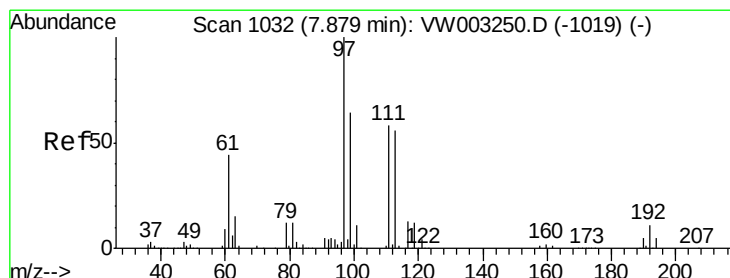
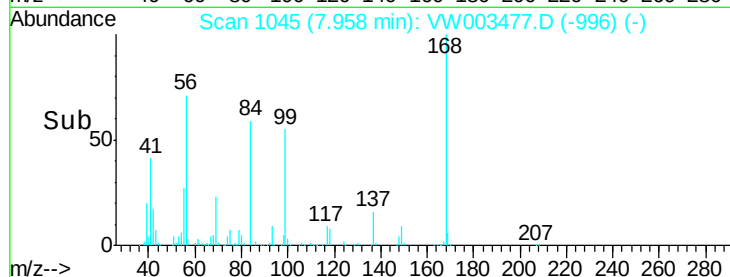
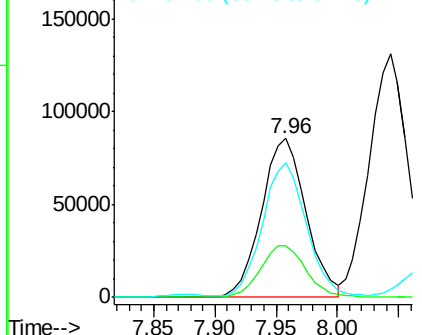
56 100

69 32.3 26.3 39.5

84 83.4 65.7 98.5



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 47.389 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

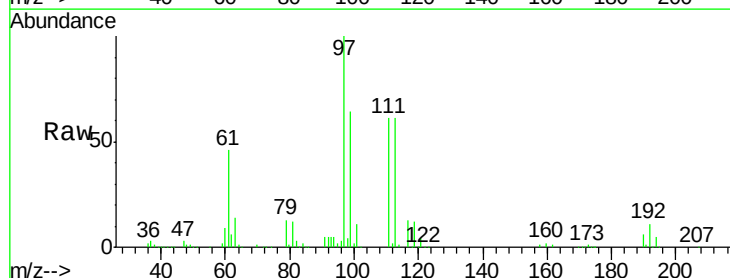
Tgt Ion: 97 Resp: 209429

Ion Ratio Lower Upper

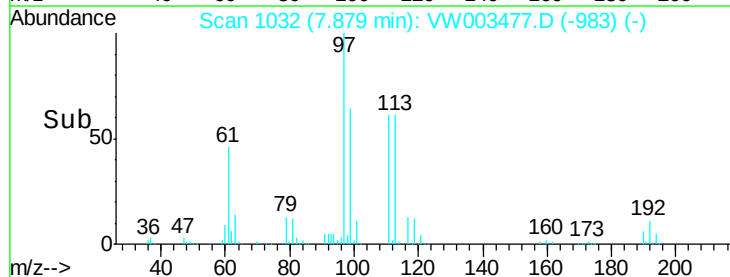
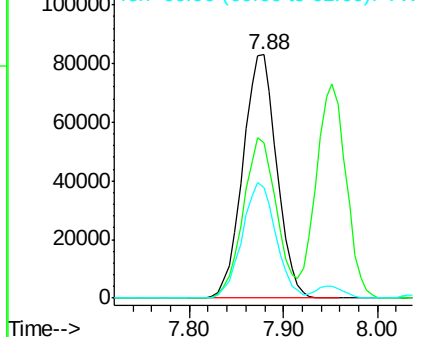
97 100

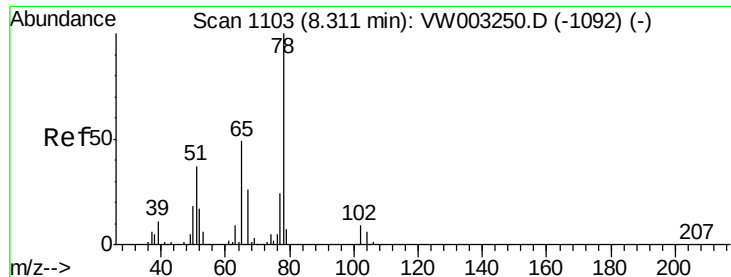
99 65.4 51.7 77.5

61 47.1 37.6 56.4



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

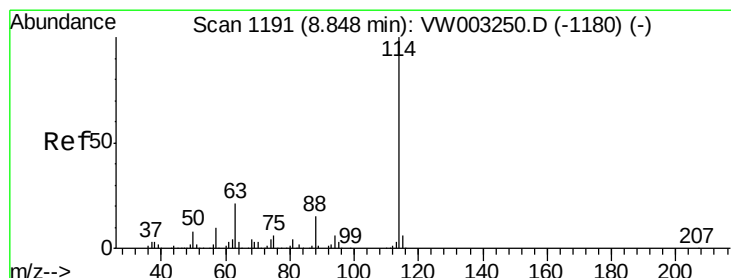
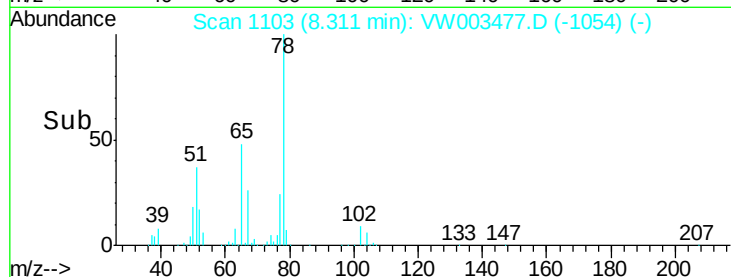
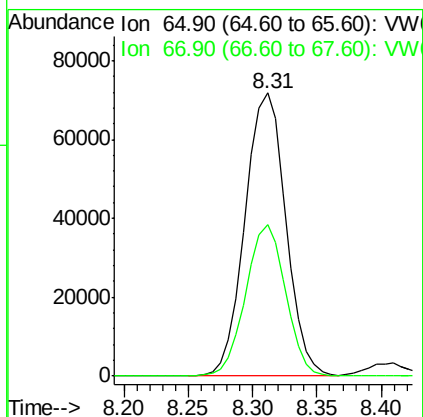
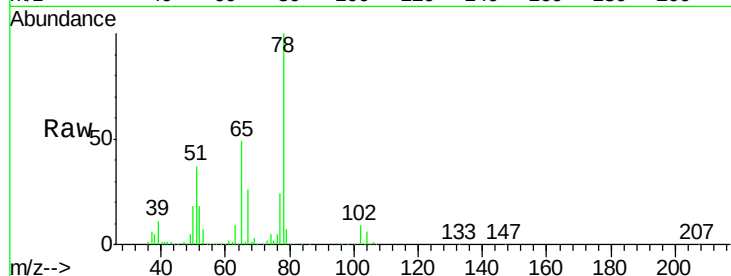




#33
 1,2-Dichloroethane-d4
 Concen: 51.910 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

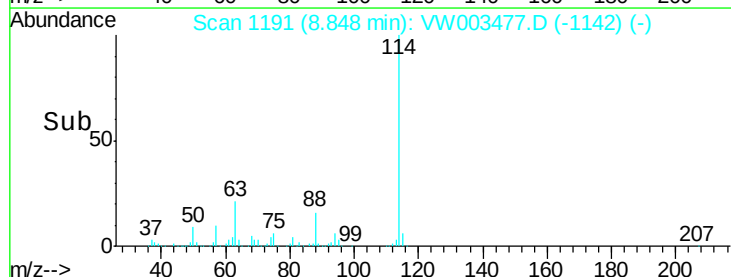
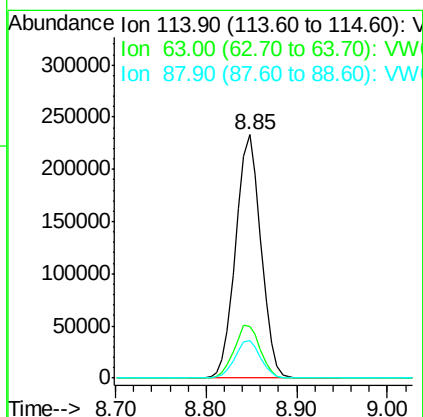
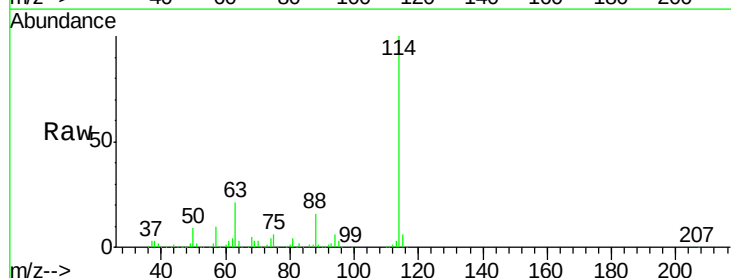
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

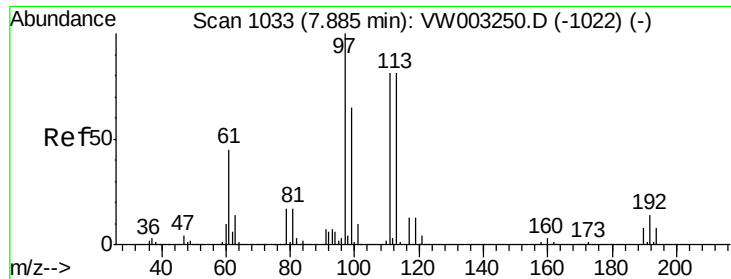
Tgt Ion: 65 Resp: 157722
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Tgt Ion: 114 Resp: 449875
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.0
 88 15.6 0.0 29.6

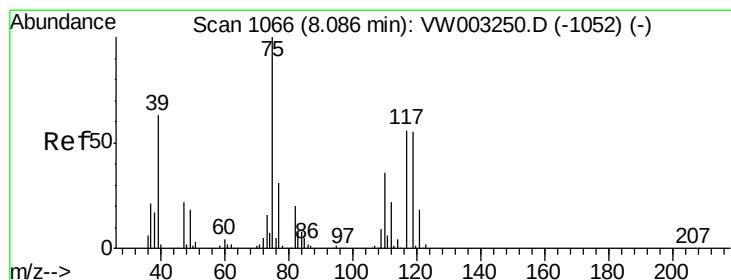
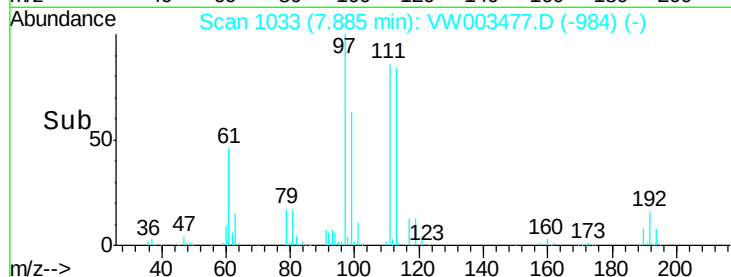
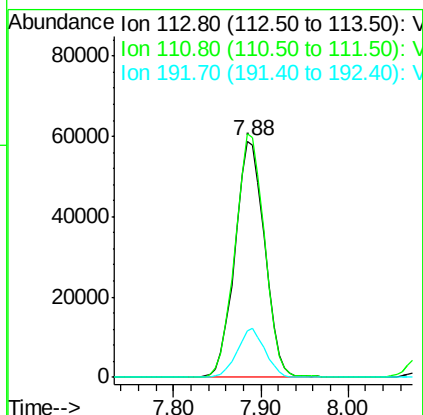
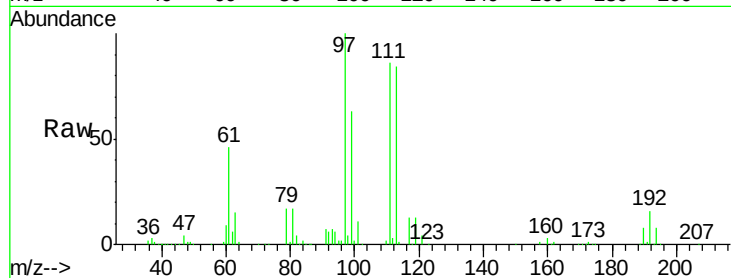




#35
 Dibromofluoromethane
 Concen: 49.613 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

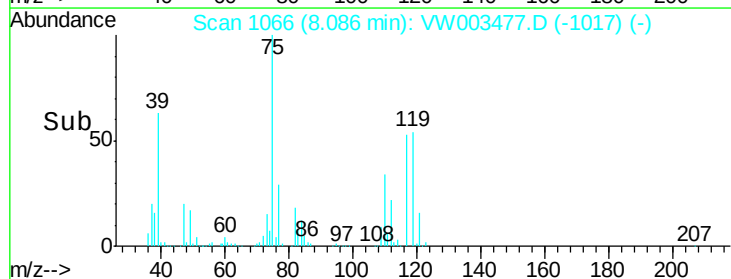
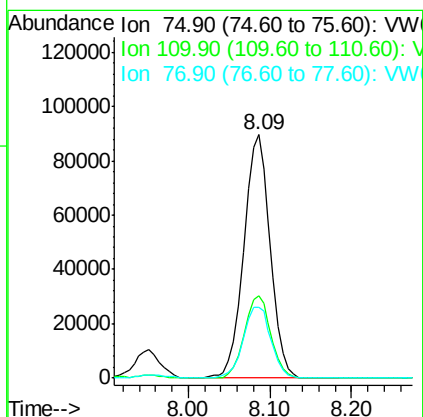
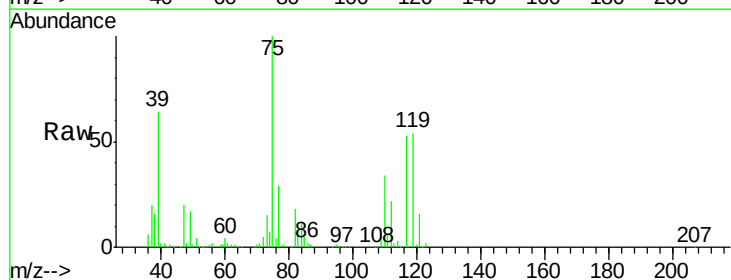
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

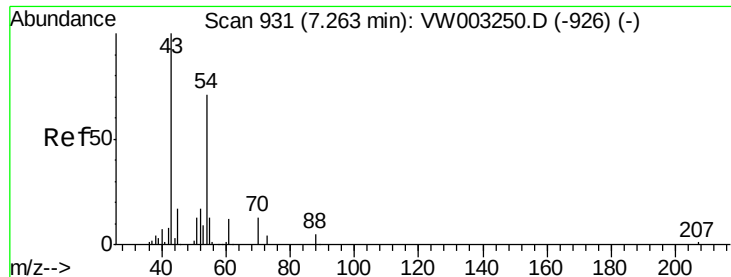
Tgt Ion: 113 Resp: 138688
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.2 123.2
 192 19.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 46.225 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Tgt Ion: 75 Resp: 200832
 Ion Ratio Lower Upper
 75 100
 110 33.7 17.1 51.3
 77 30.9 24.9 37.3

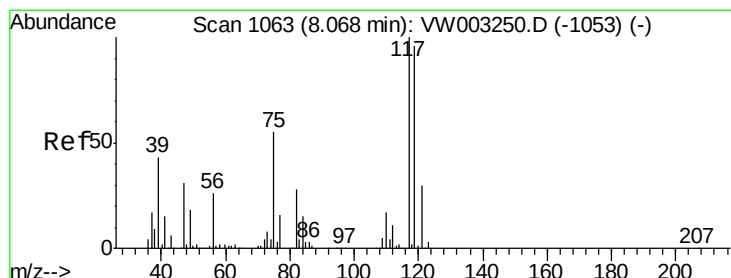
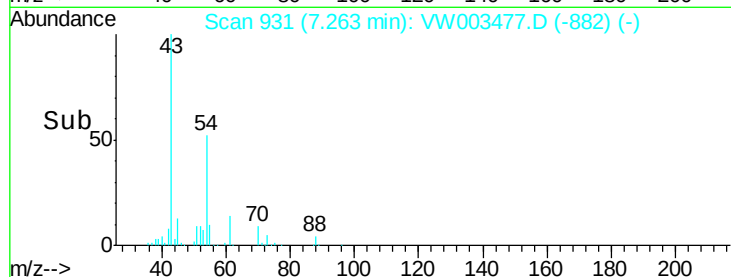
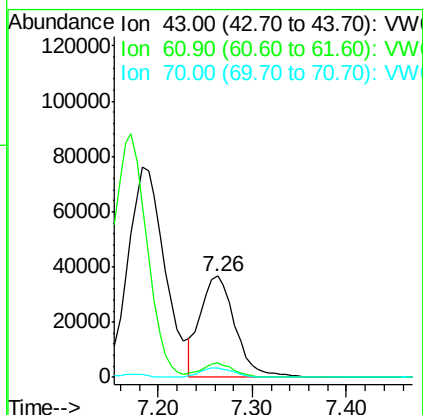
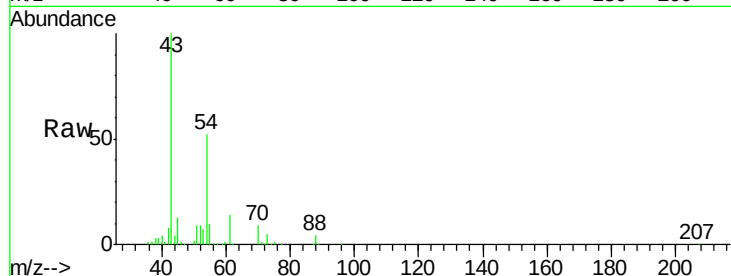




#37
Ethyl Acetate
 Concen: 51.844 ug/l
 RT: 7.26 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

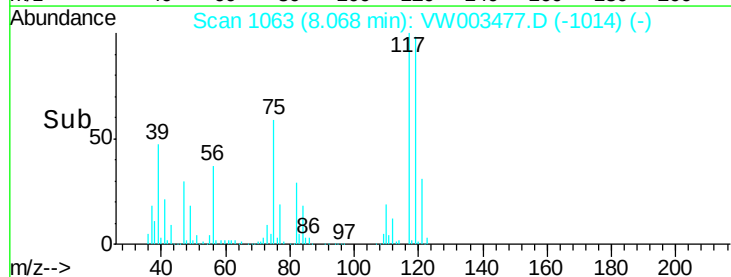
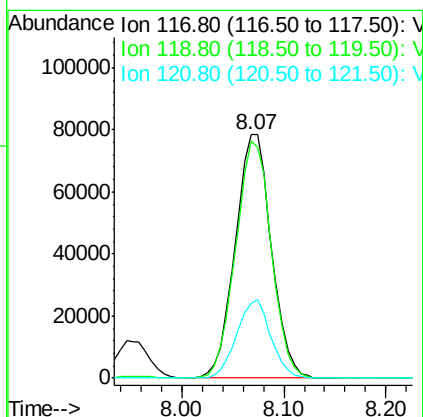
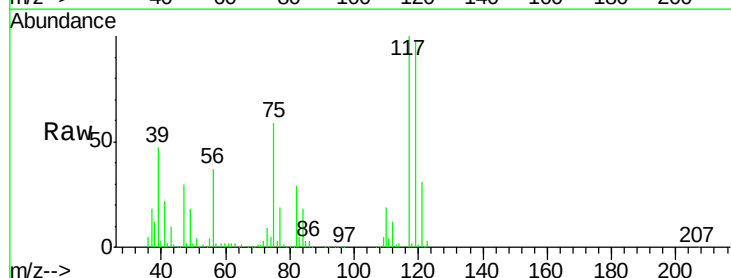
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

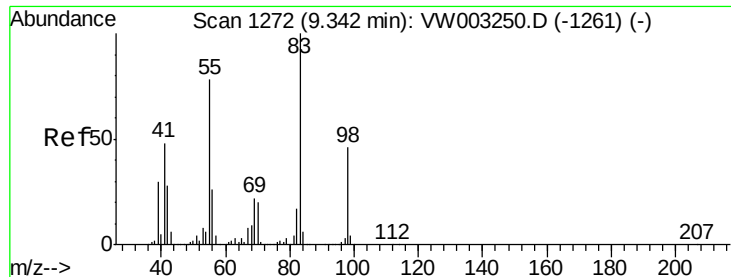
Tgt Ion: 43 Resp: 93313
 Ion Ratio Lower Upper
 43 100
 61 13.6 10.8 16.2
 70 9.2 7.8 11.6



#38
Carbon Tetrachloride
 Concen: 45.291 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Tgt Ion: 117 Resp: 193014
 Ion Ratio Lower Upper
 117 100
 119 97.4 76.6 115.0
 121 30.8 23.9 35.9

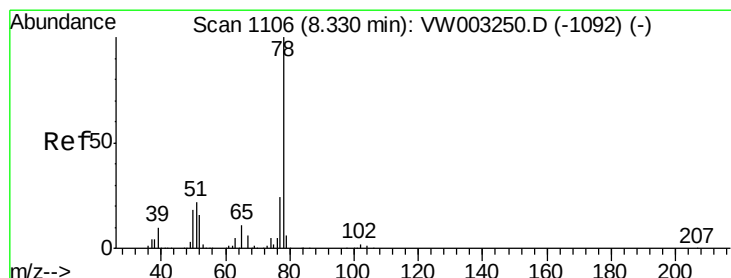
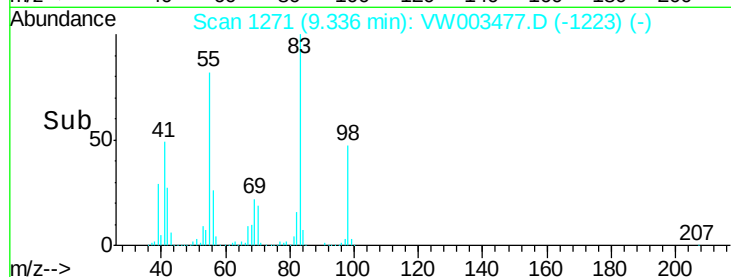
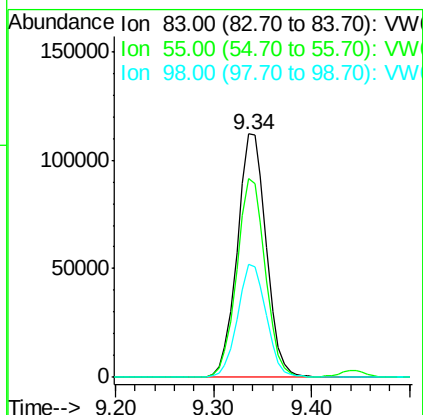
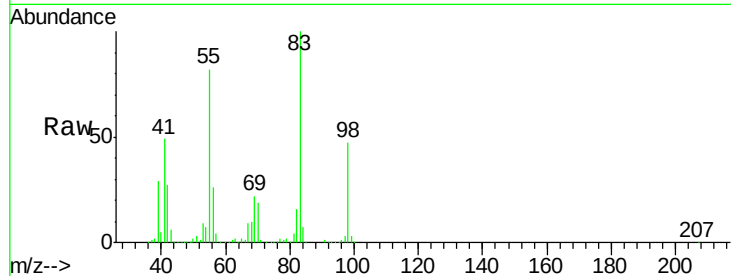




#39
Methylcyclohexane
Concen: 45.833 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

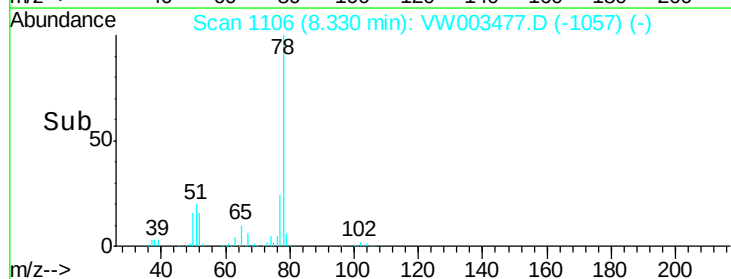
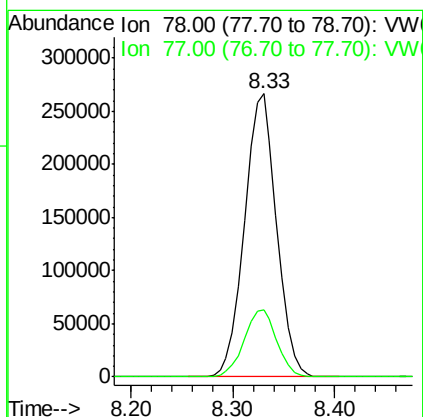
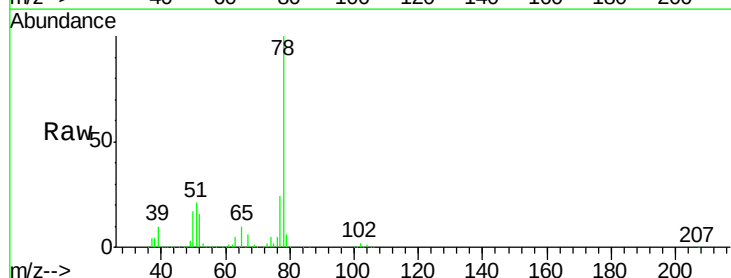
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

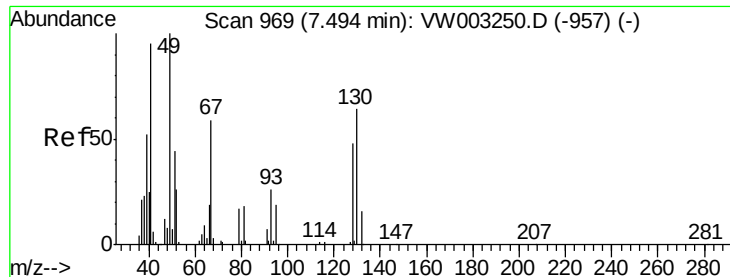
Tgt Ion: 83 Resp: 230404
Ion Ratio Lower Upper
83 100
55 81.8 62.6 93.8
98 46.7 37.0 55.4



#40
Benzene
Concen: 48.520 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Tgt Ion: 78 Resp: 581061
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

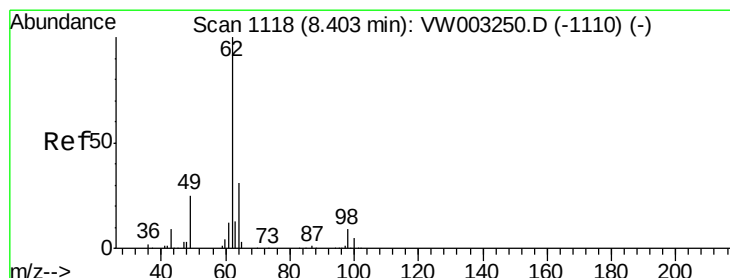
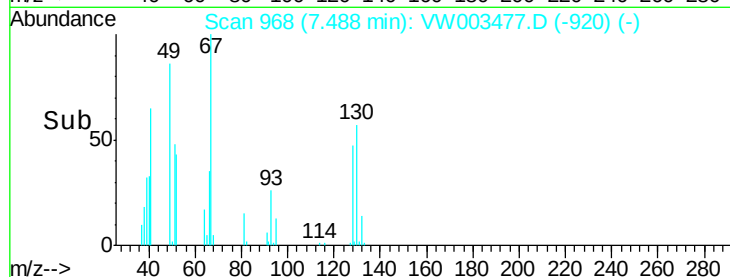
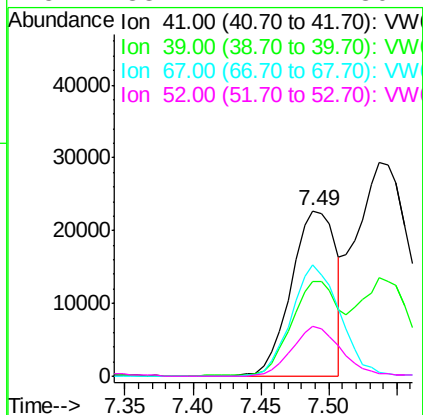
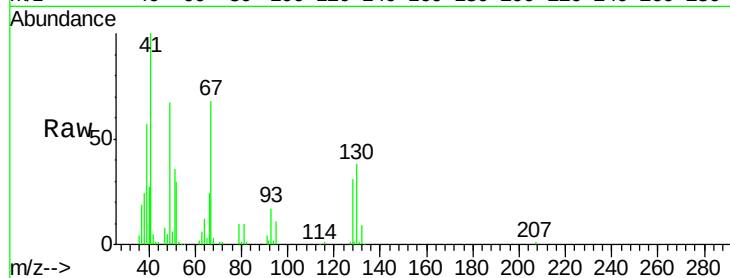




#41
Methacrylonitrile
Concen: 46.795 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

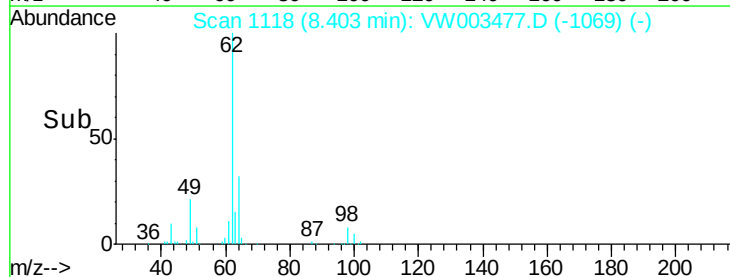
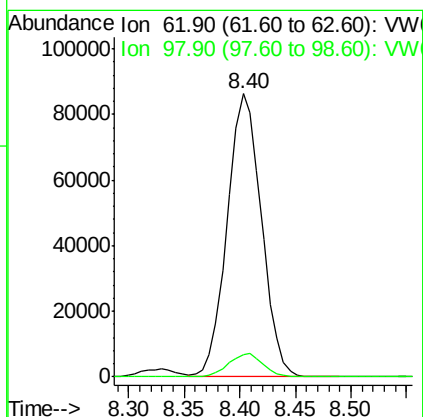
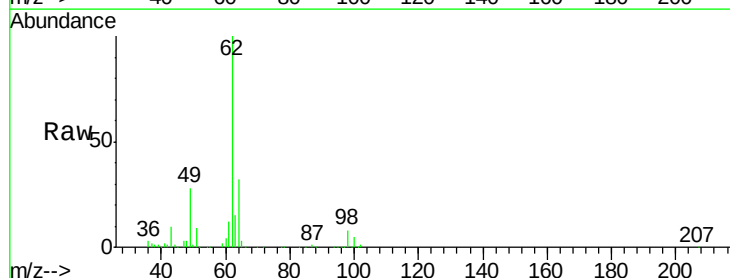
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

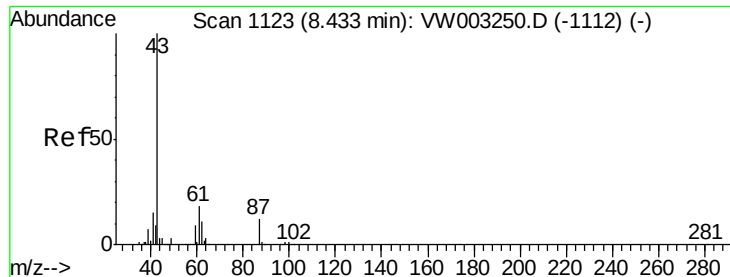
Tgt Ion:	41	Resp:	51685
Ion	Ratio	Lower	Upper
41	100		
39	63.3	45.8	68.8
67	73.7	52.3	78.5
52	33.7	24.1	36.1



#42
1,2-Dichloroethane
Concen: 48.966 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Tgt Ion:	62	Resp:	183723
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.2





#43

Isopropyl Acetate

Concen: 52.196 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

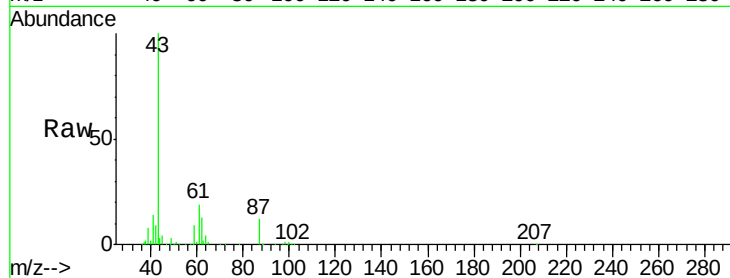
Tgt Ion: 43 Resp: 186541

Ion Ratio Lower Upper

43 100

61 29.0 23.1 34.7

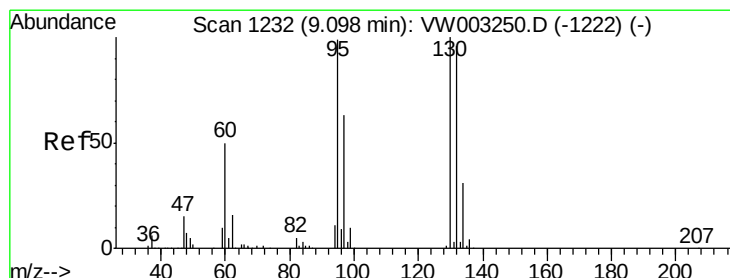
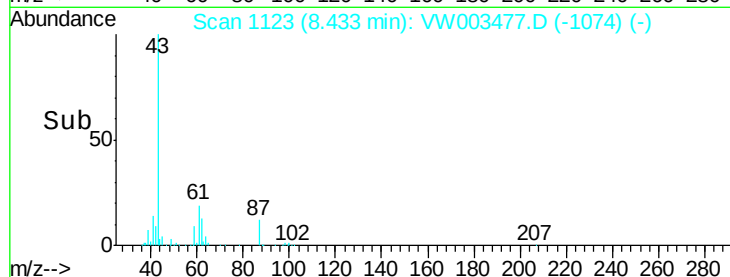
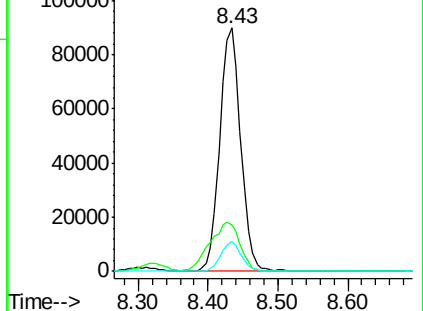
87 12.0 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 46.740 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW003477.D

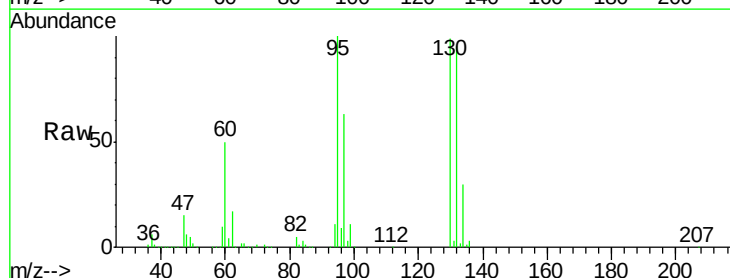
Acq: 23 Jun 2018 23:46

Tgt Ion: 130 Resp: 148319

Ion Ratio Lower Upper

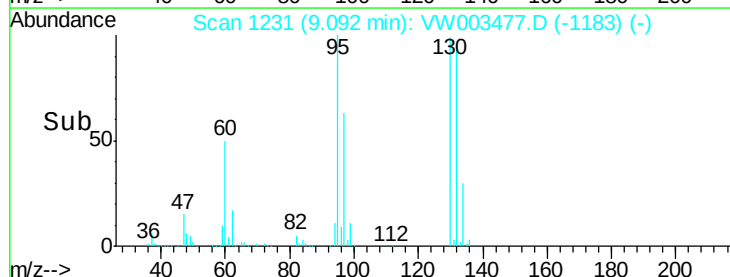
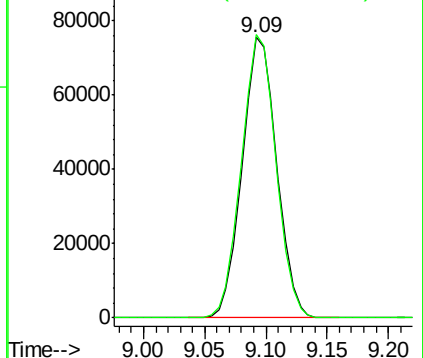
130 100

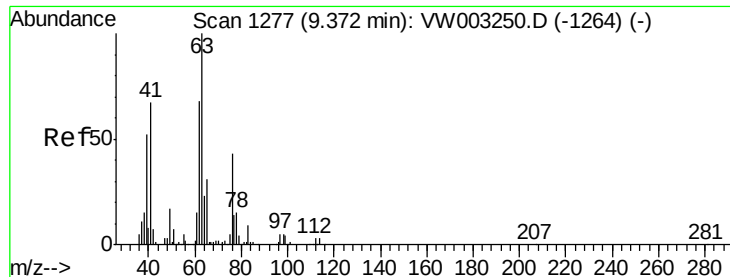
95 100.8 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

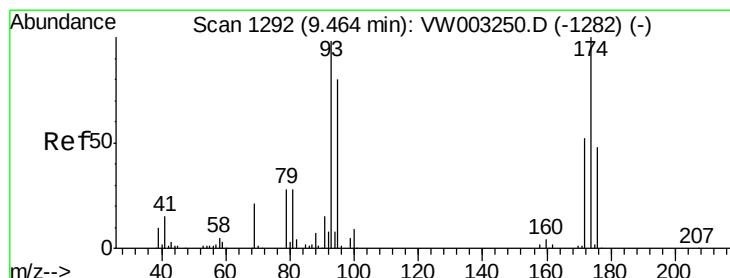
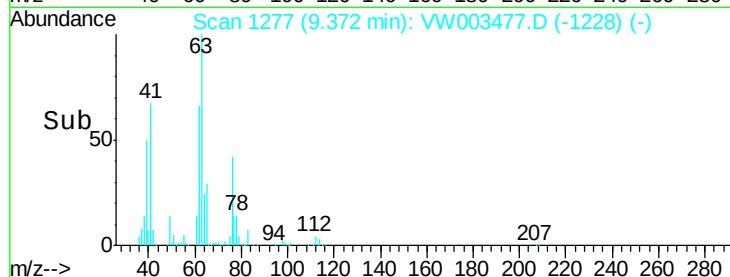
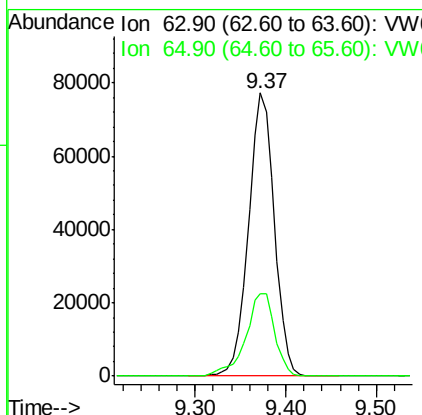
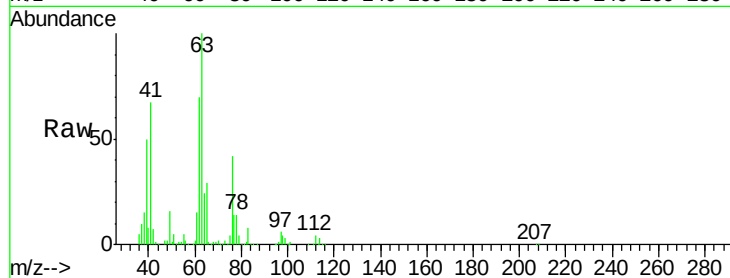




#45
 1,2-Dichloropropane
 Concen: 49.868 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

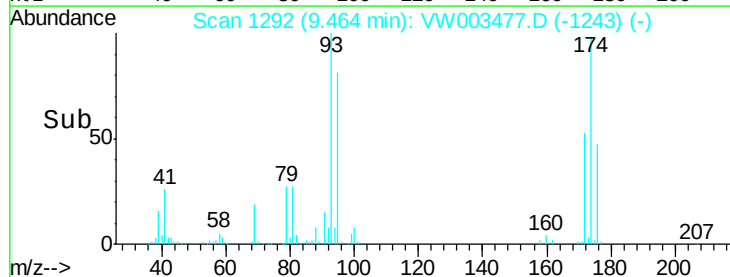
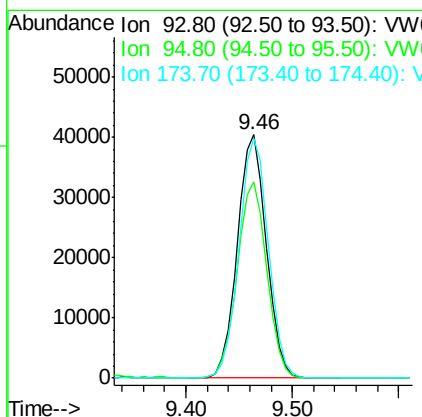
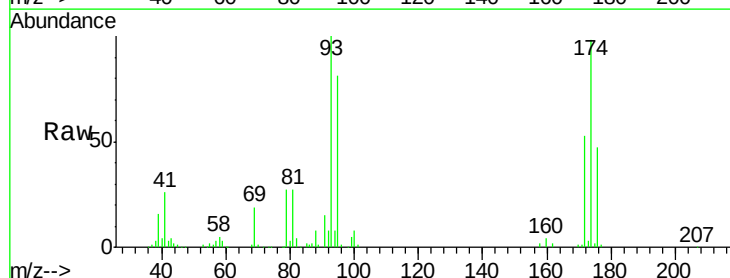
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

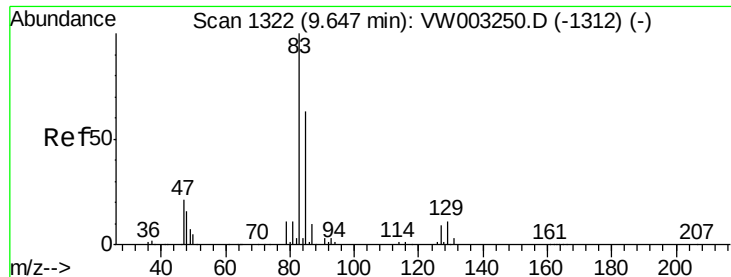
Tgt Ion: 63 Resp: 152057
 Ion Ratio Lower Upper
 63 100
 65 29.1 25.1 37.7



#46
 Dibromomethane
 Concen: 49.629 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Tgt Ion: 93 Resp: 77476
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.8 98.8
 174 99.5 81.4 122.0





#47

Bromodichloromethane

Concen: 49.526 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

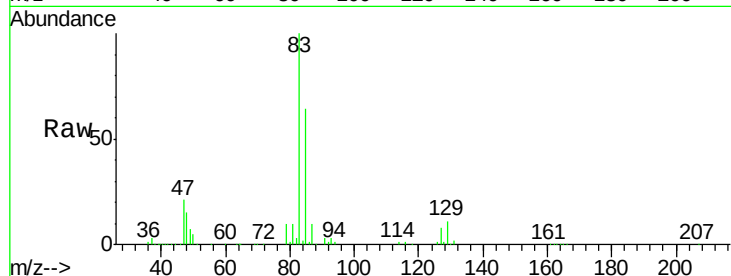
Tgt Ion: 83 Resp: 198180

Ion Ratio Lower Upper

83 100

85 64.1 50.6 75.8

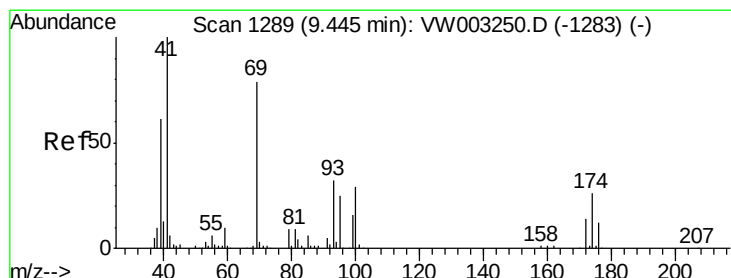
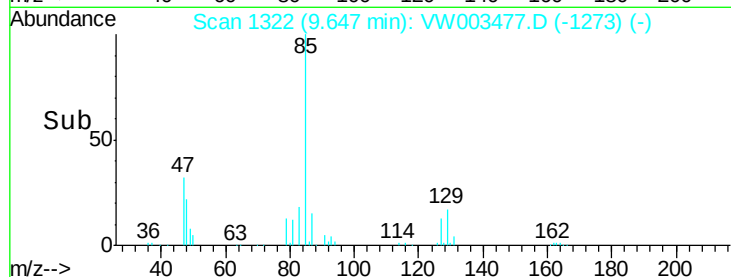
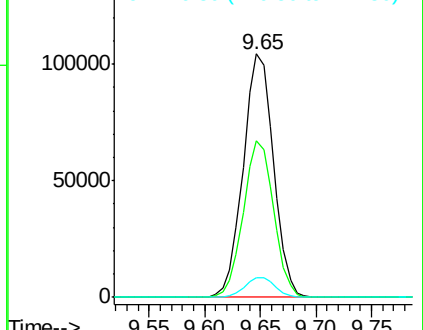
127 8.0 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.160 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

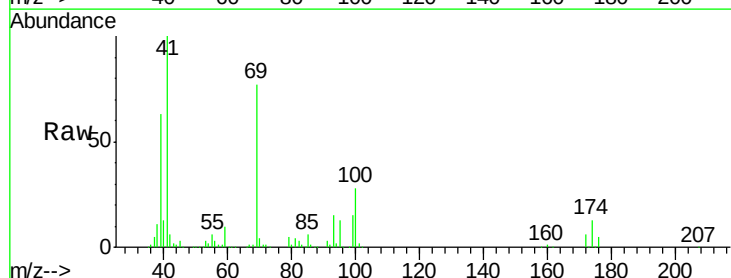
Tgt Ion: 41 Resp: 89285

Ion Ratio Lower Upper

41 100

69 82.8 65.4 98.2

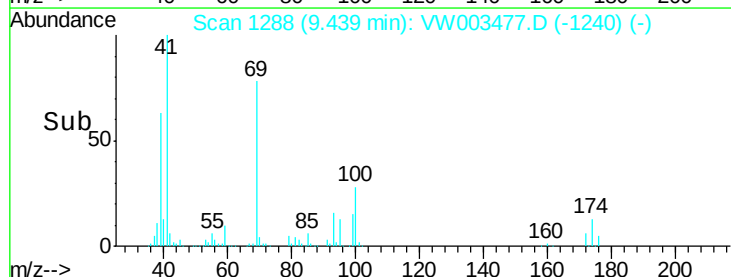
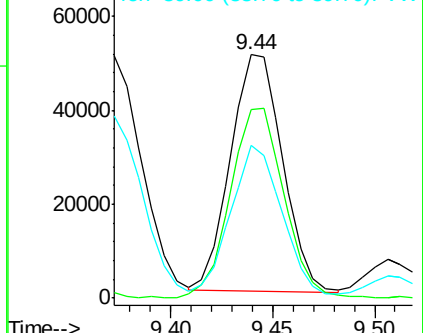
39 64.8 54.2 81.2

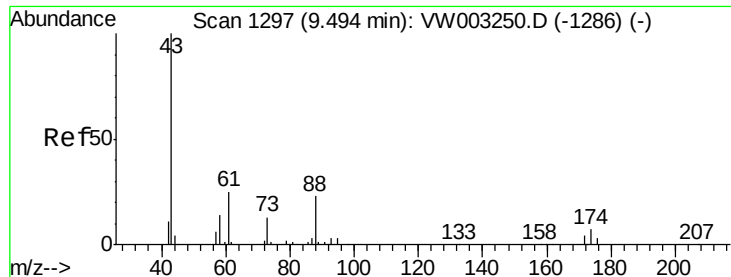


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

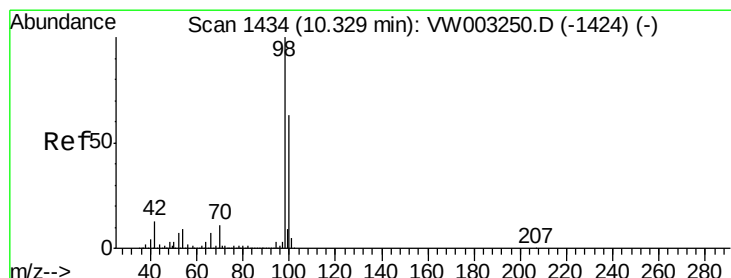
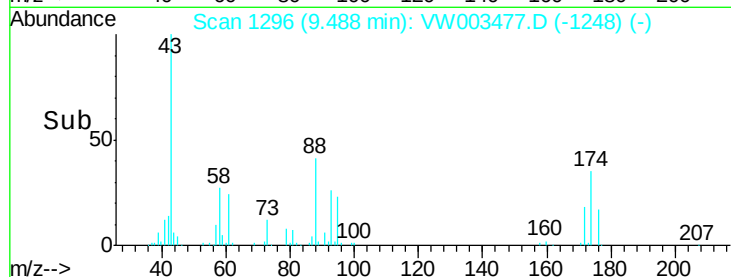
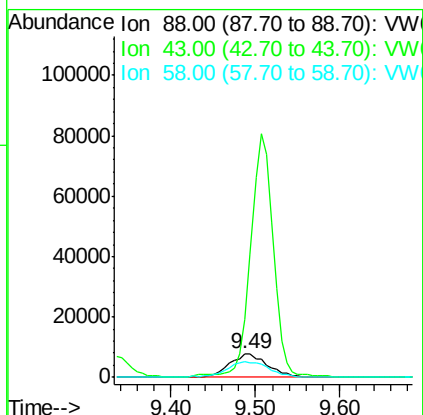
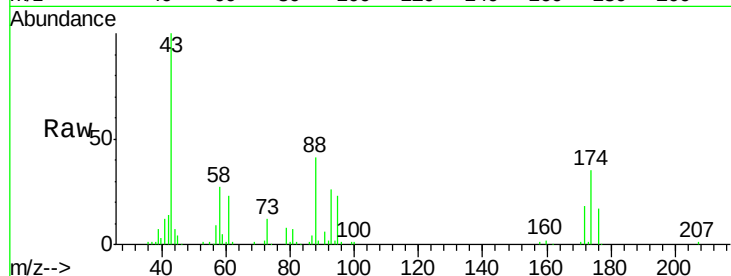




#49
1,4-Dioxane
Concen: 1021.551 ug/l
RT: 9.49 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

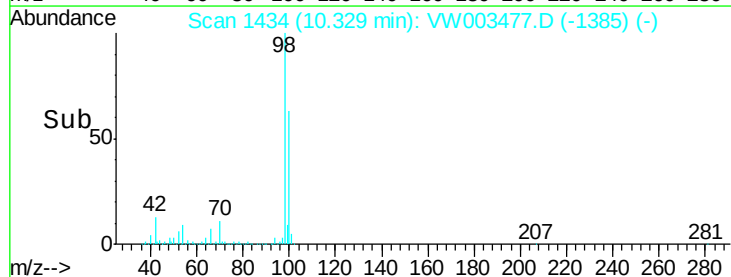
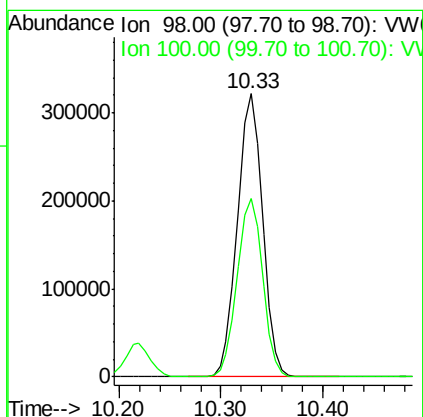
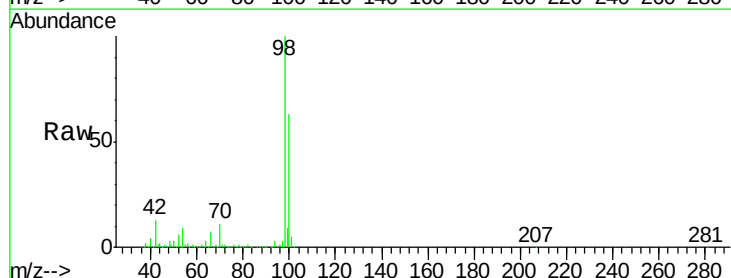
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

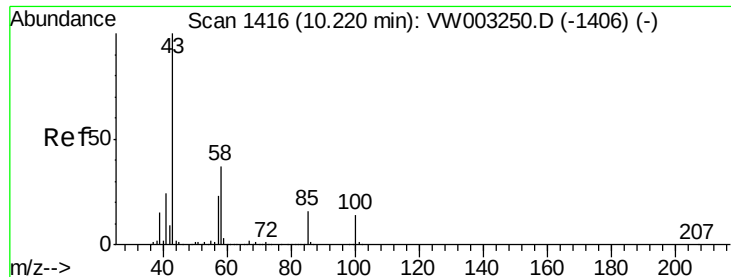
Tgt Ion: 88 Resp: 24079
Ion Ratio Lower Upper
88 100
43 613.2 454.7 682.1
58 74.9 58.6 88.0



#50
Toluene-d8
Concen: 49.592 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Tgt Ion: 98 Resp: 549693
Ion Ratio Lower Upper
98 100
100 63.8 50.8 76.2

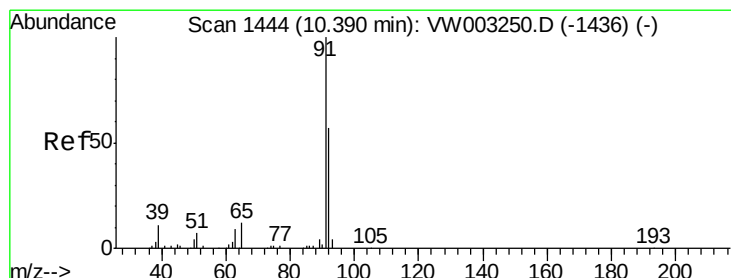
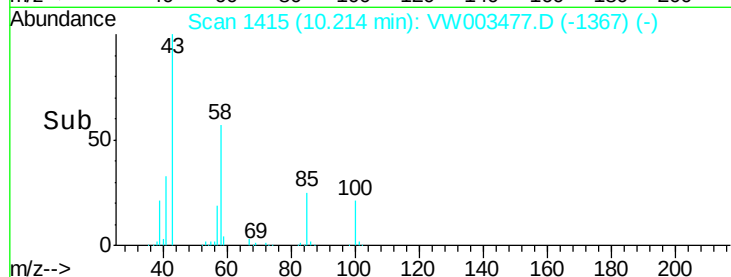
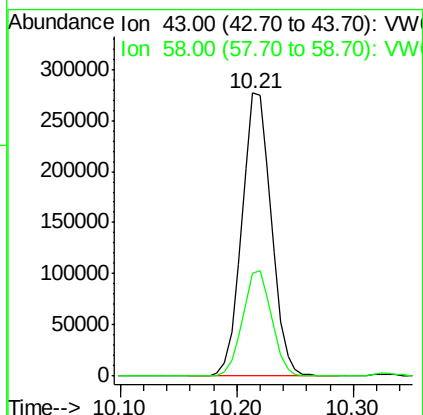
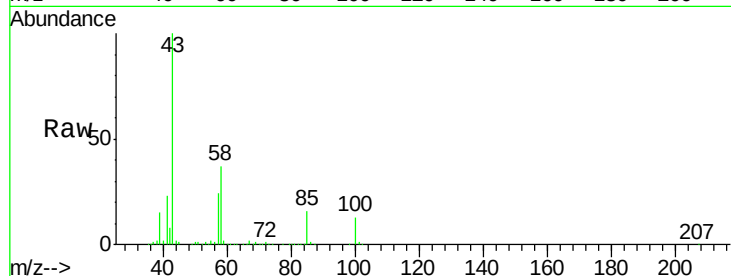




#51
 4-Methyl-2-Pentanone
 Concen: 268.513 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

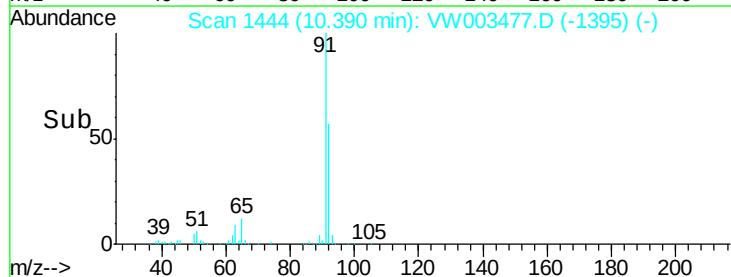
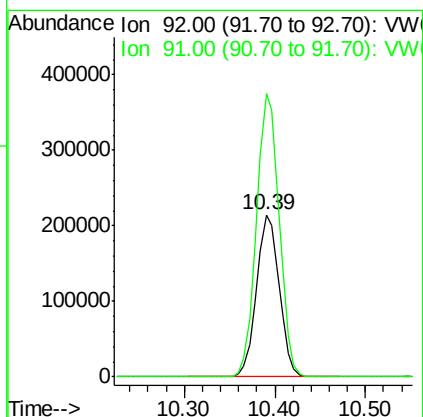
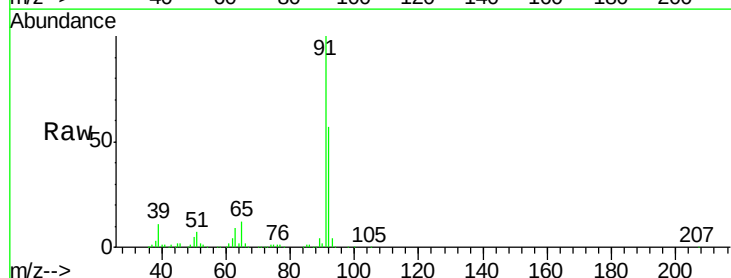
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

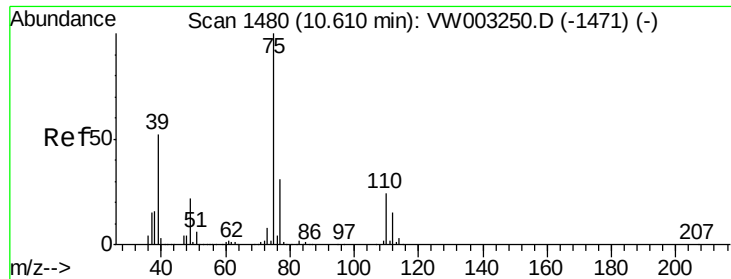
Tgt Ion: 43 Resp: 488984
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.0 43.4



#52
 Toluene
 Concen: 48.328 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Tgt Ion: 92 Resp: 371135
 Ion Ratio Lower Upper
 92 100
 91 175.2 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 50.031 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

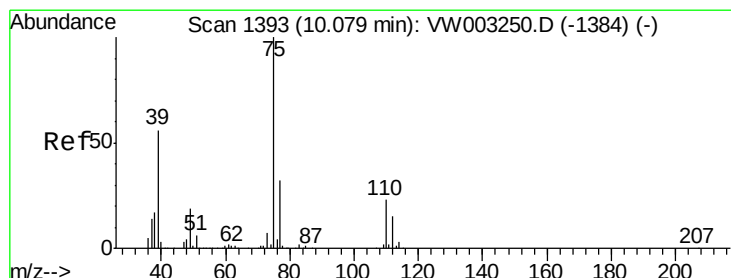
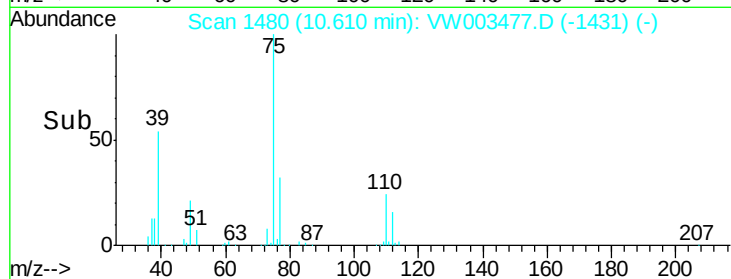
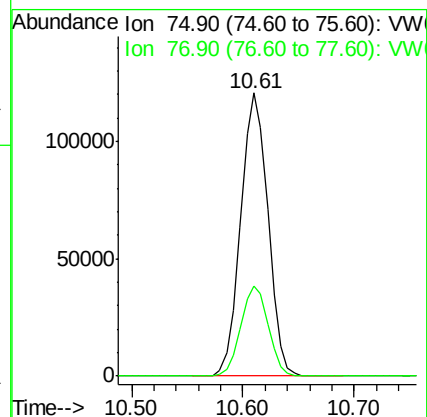
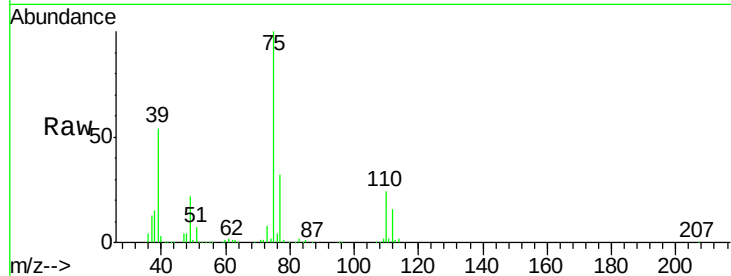
VSTDCCC050

Tgt Ion: 75 Resp: 204509

Ion Ratio Lower Upper

75 100

77 31.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 50.077 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

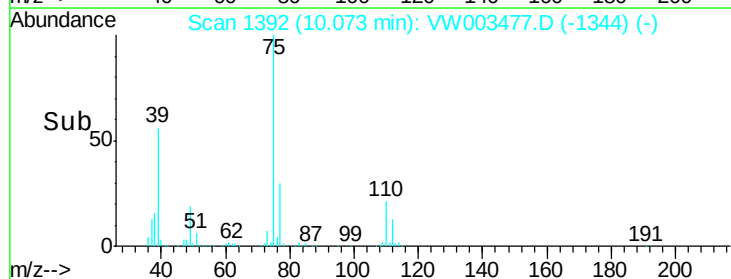
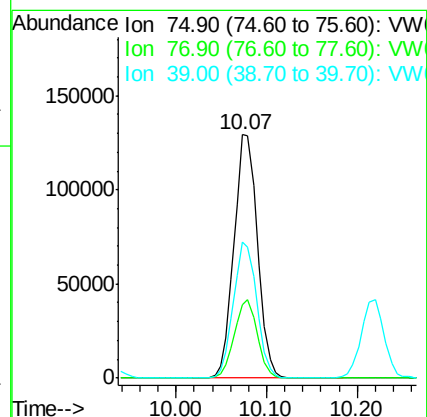
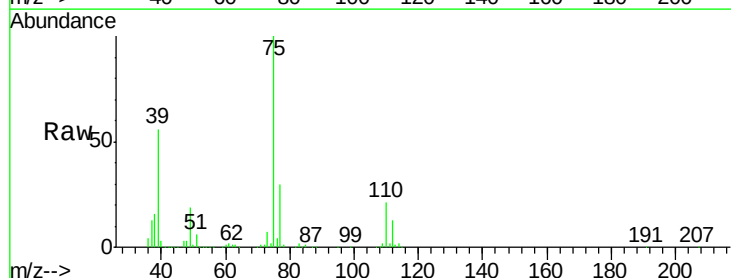
Tgt Ion: 75 Resp: 232976

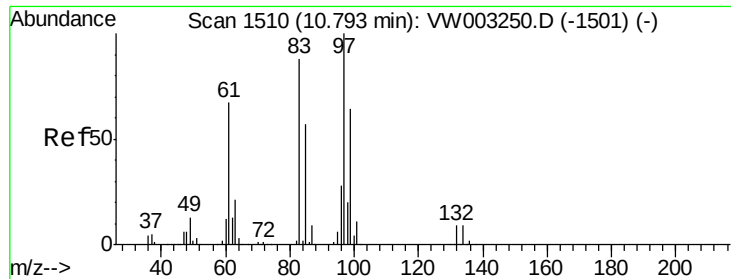
Ion Ratio Lower Upper

75 100

77 29.9 25.8 38.6

39 55.6 45.2 67.8

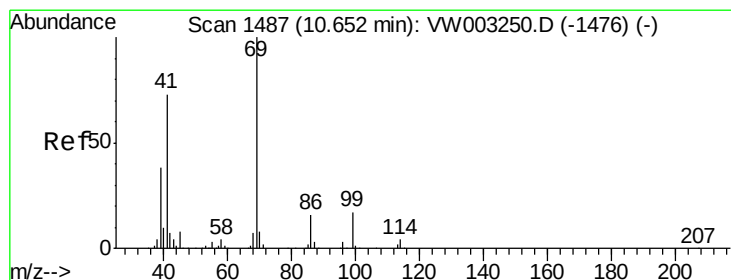
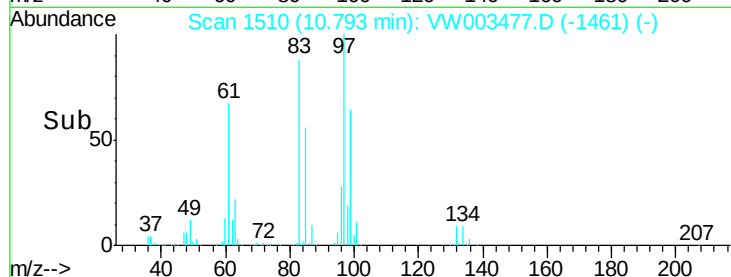
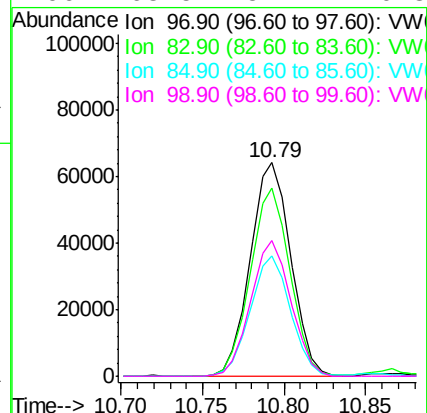
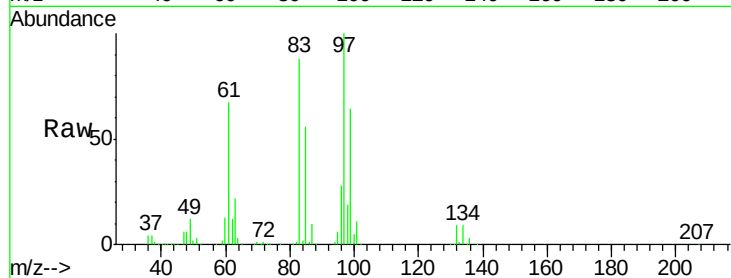




#55
 1,1,2-Trichloroethane
 Concen: 50.448 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

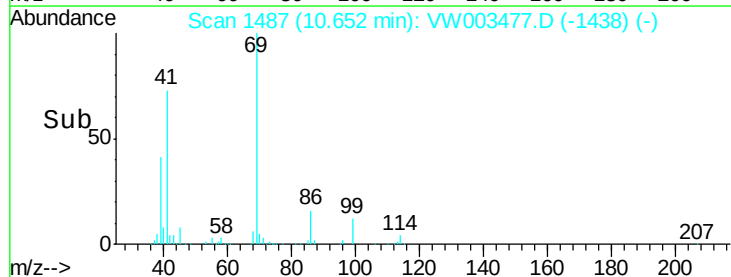
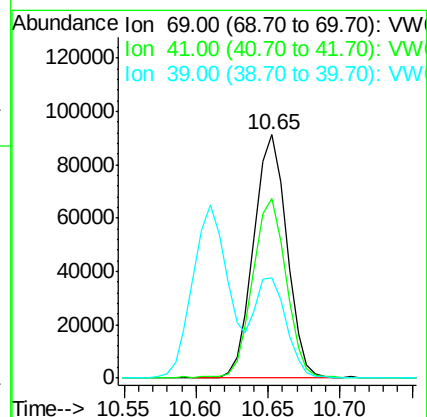
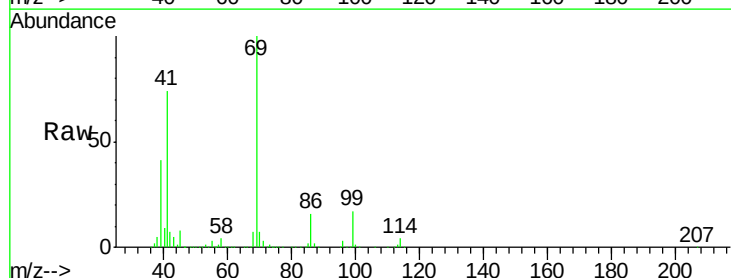
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

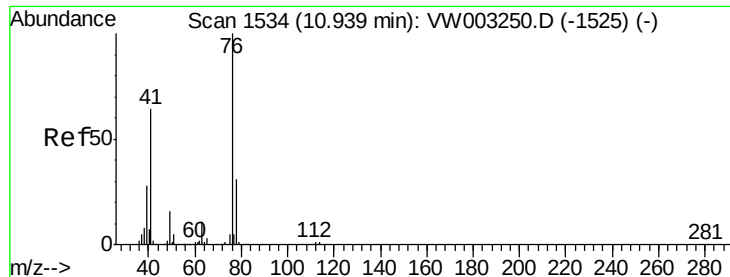
Tgt Ion: 97 Resp: 110977
 Ion Ratio Lower Upper
 97 100
 83 88.3 70.2 105.2
 85 56.2 45.6 68.4
 99 63.5 51.2 76.8



#56
 Ethyl methacrylate
 Concen: 54.490 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Tgt Ion: 69 Resp: 145558
 Ion Ratio Lower Upper
 69 100
 41 74.6 57.8 86.6
 39 38.6 32.7 49.1

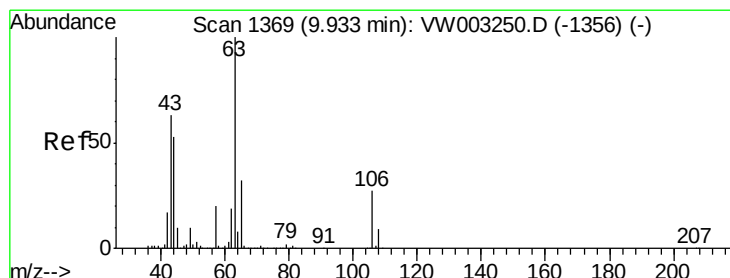
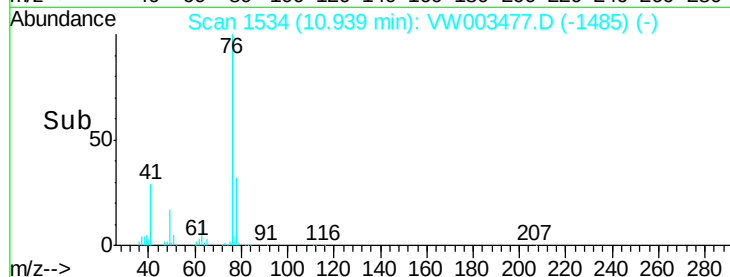
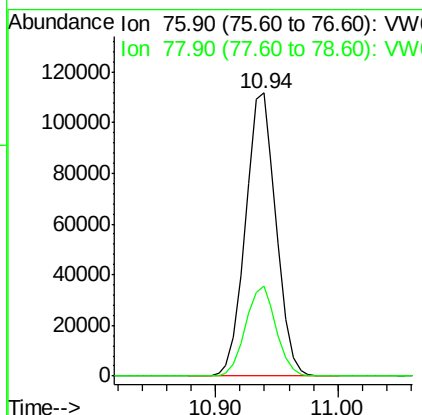
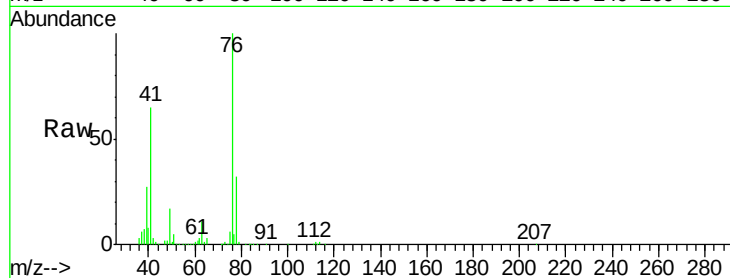




#57
 1,3-Dichloropropane
 Concen: 50.870 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

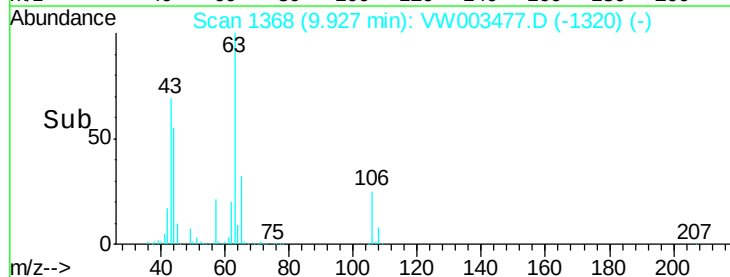
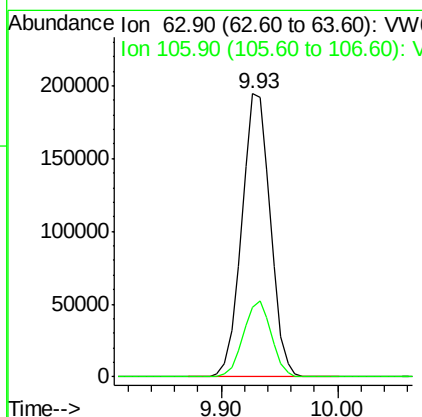
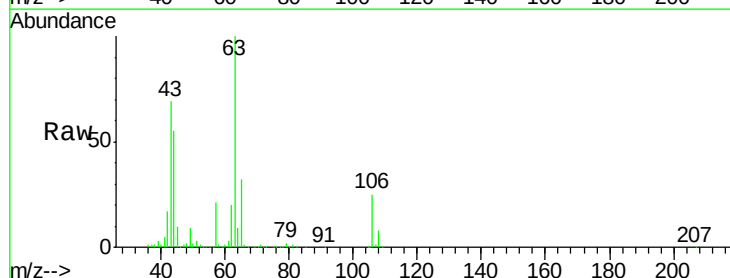
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

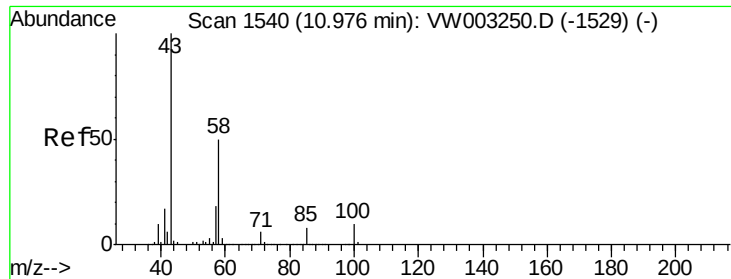
Tgt Ion: 76 Resp: 193005
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.096 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Tgt Ion: 63 Resp: 333019
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.8 32.8

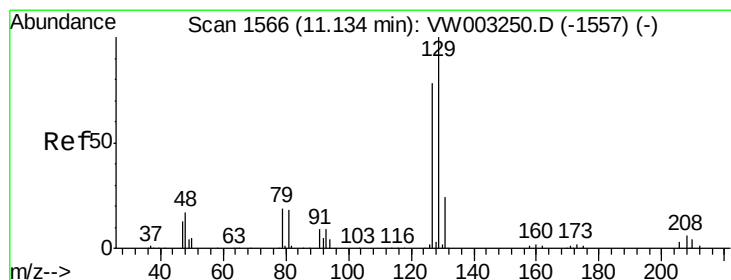
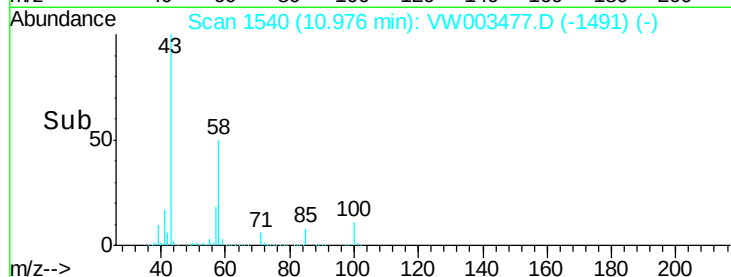
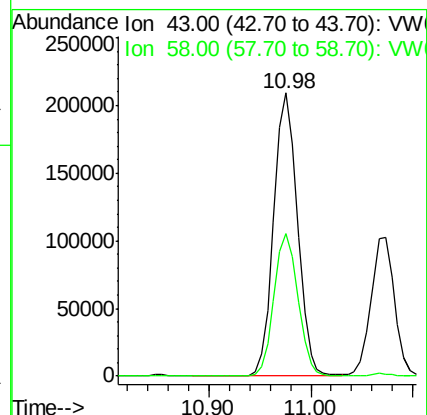
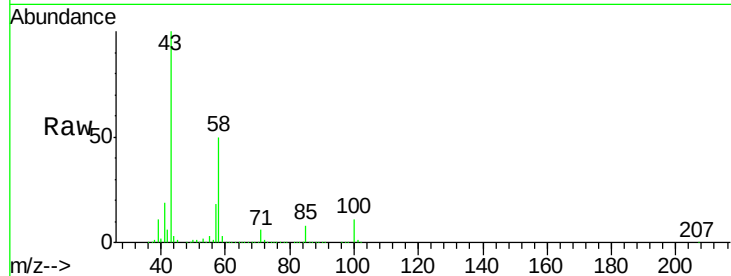




#59
2-Hexanone
Concen: 265.623 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

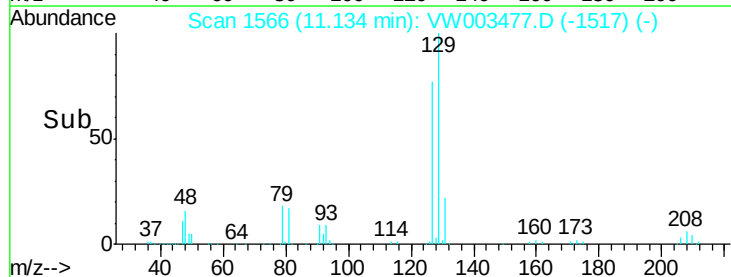
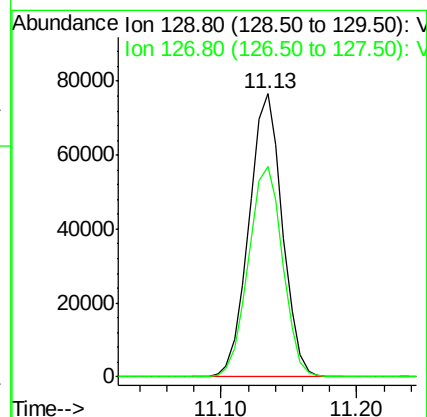
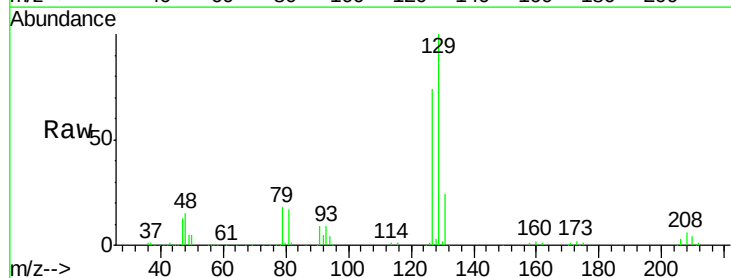
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

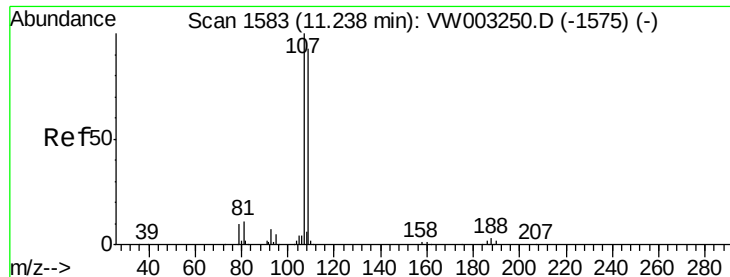
Tgt Ion: 43 Resp: 337923
Ion Ratio Lower Upper
43 100
58 50.6 25.0 75.0



#60
Dibromochloromethane
Concen: 50.368 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Tgt Ion: 129 Resp: 131767
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.5

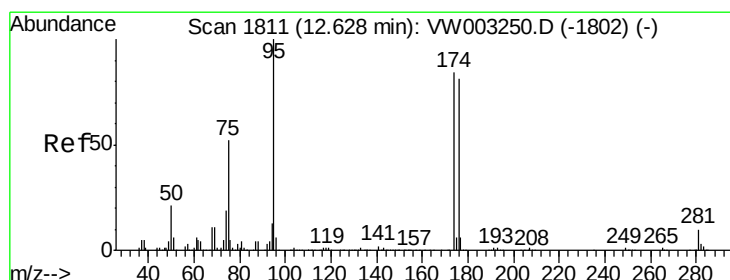
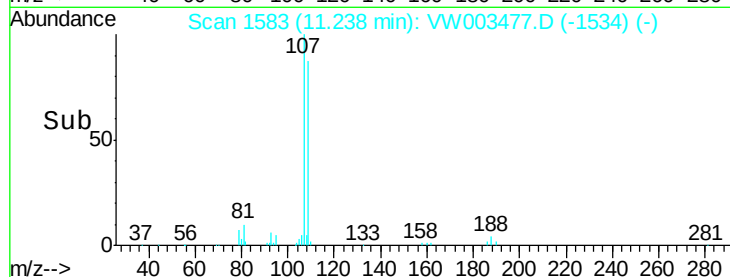
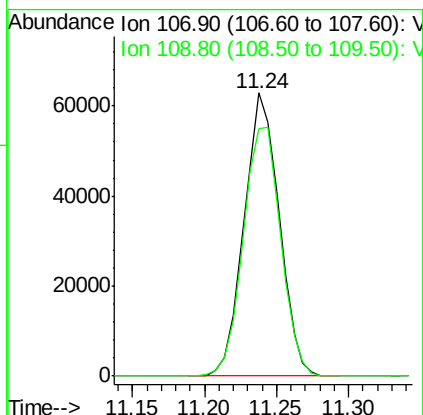
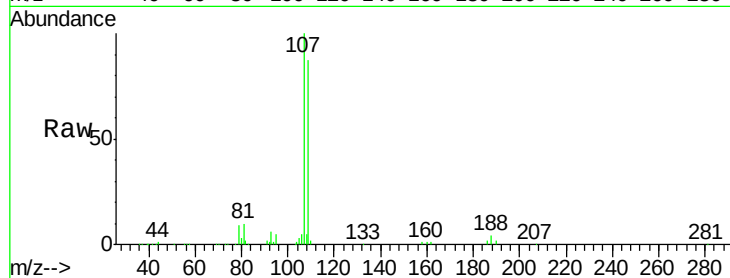




#61
1,2-Dibromoethane
Concen: 50.900 ug/l
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

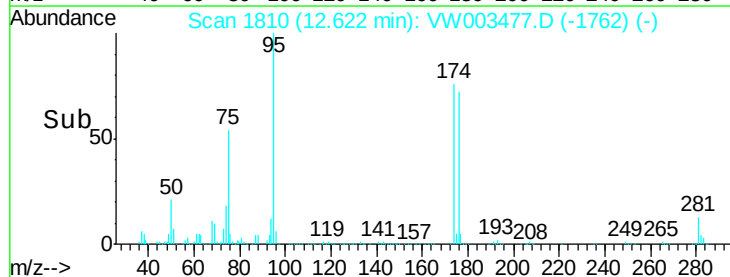
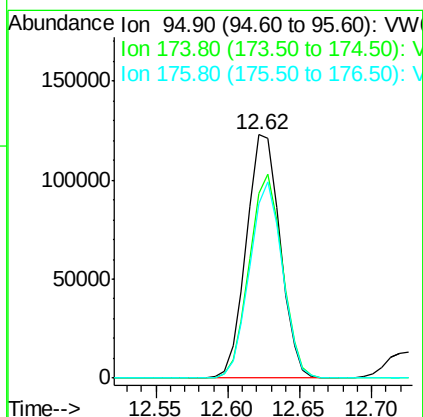
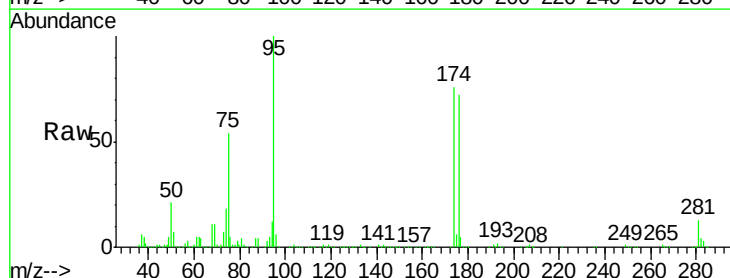
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

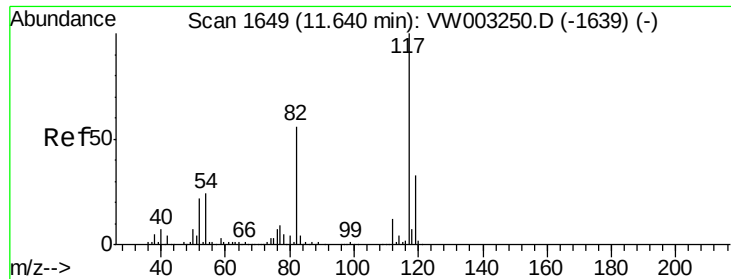
Tgt Ion: 107 Resp: 105914
Ion Ratio Lower Upper
107 100
109 94.1 75.8 113.6



#62
4-Bromofluorobenzene
Concen: 50.775 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Tgt Ion: 95 Resp: 199171
Ion Ratio Lower Upper
95 100
174 82.0 0.0 166.4
176 78.5 0.0 162.0

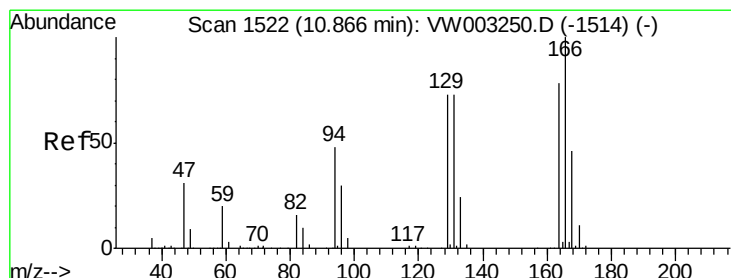
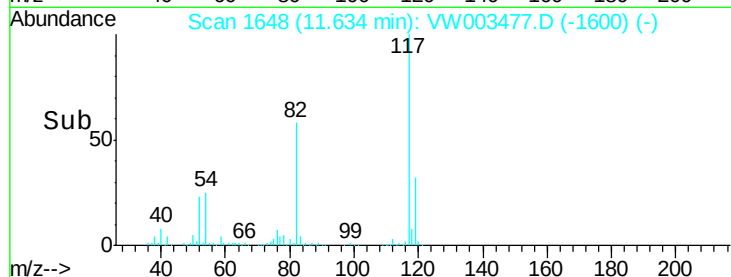
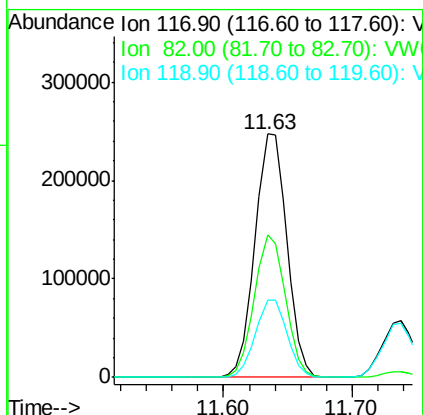
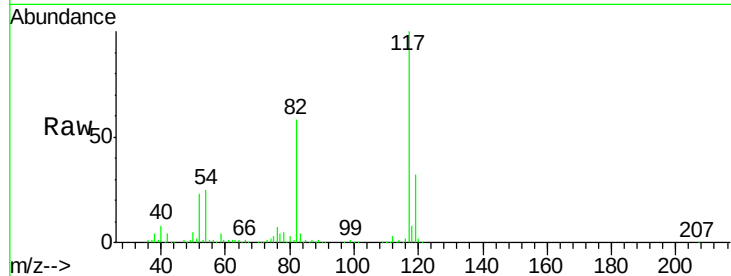




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

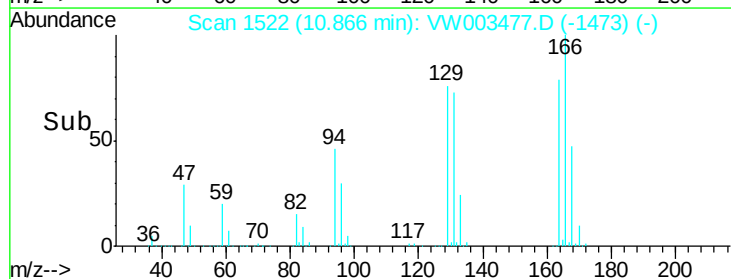
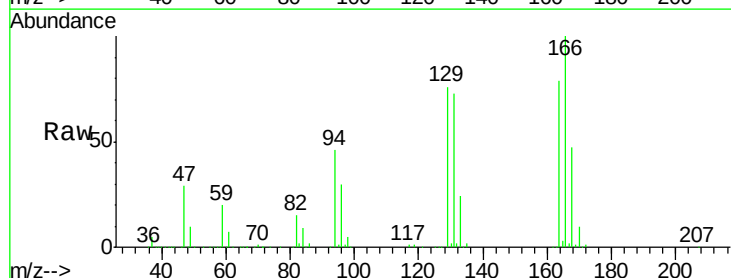
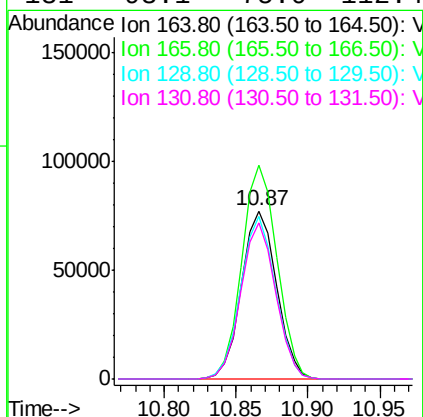
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

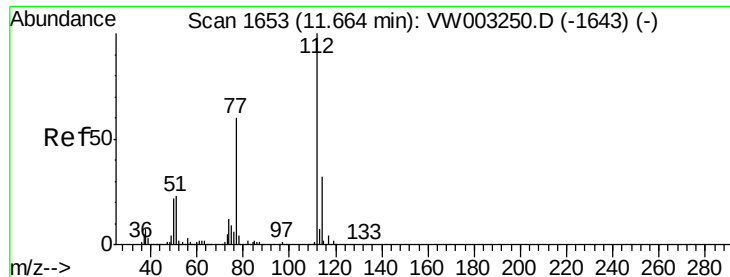
Tgt Ion:117 Resp: 422181
Ion Ratio Lower Upper
117 100
82 58.3 44.6 67.0
119 31.8 26.7 40.1



#64
Tetrachloroethene
Concen: 46.287 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Tgt Ion:164 Resp: 130704
Ion Ratio Lower Upper
164 100
166 126.9 102.6 154.0
129 96.8 75.2 112.8
131 93.1 75.0 112.4

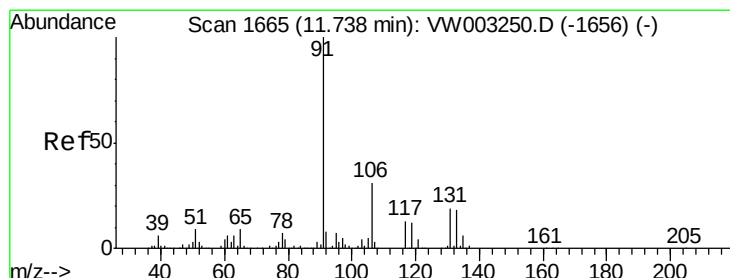
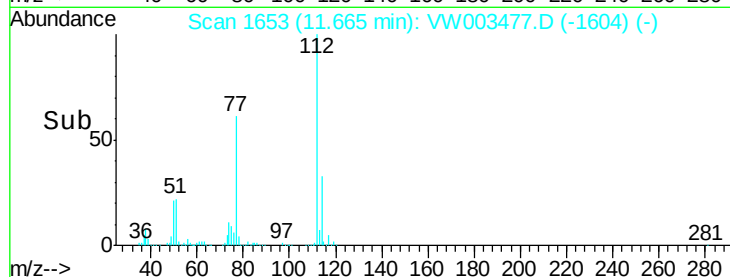
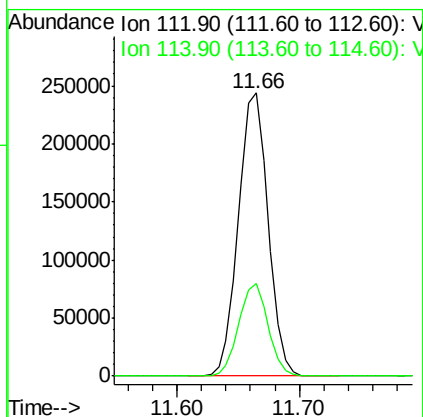
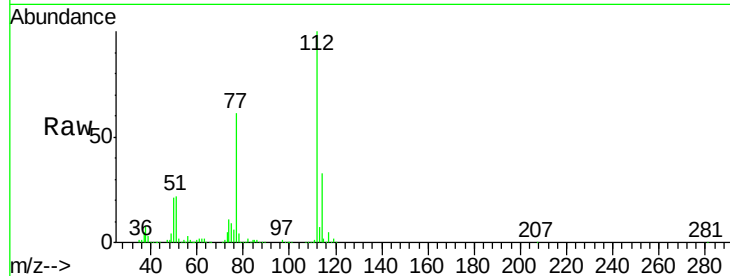




#65
Chlorobenzene
Concen: 46.709 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

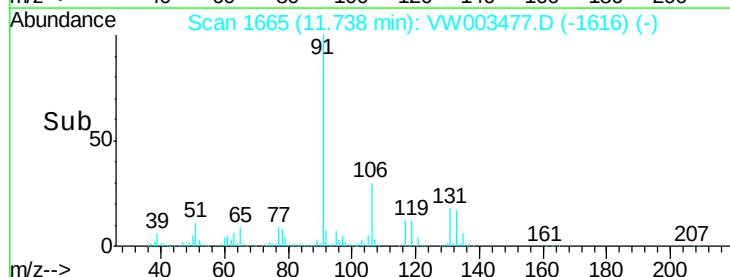
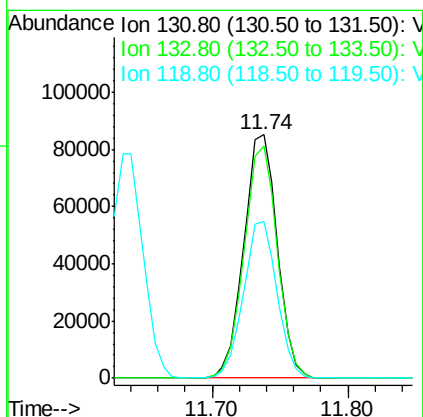
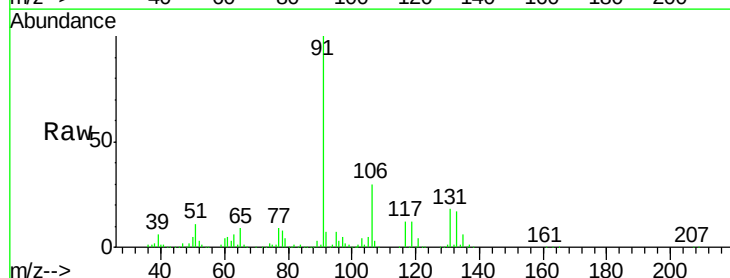
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

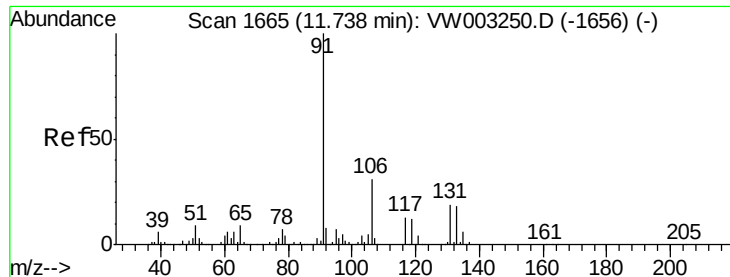
Tgt Ion:112 Resp: 410649
Ion Ratio Lower Upper
112 100
114 32.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 47.568 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Tgt Ion:131 Resp: 146963
Ion Ratio Lower Upper
131 100
133 94.7 47.3 142.0
119 64.4 32.5 97.4

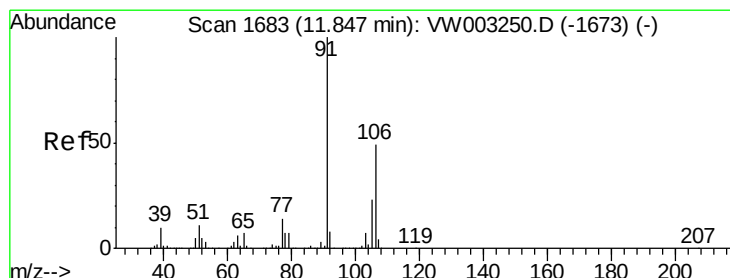
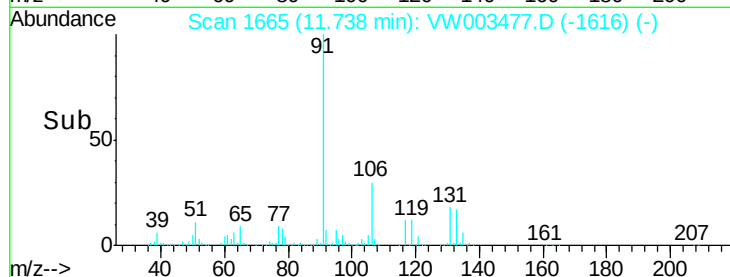
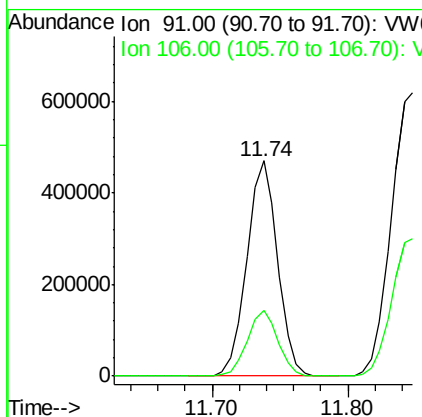
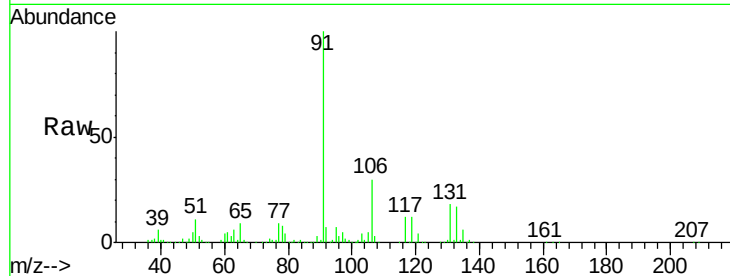




#67
Ethyl Benzene
Concen: 47.532 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

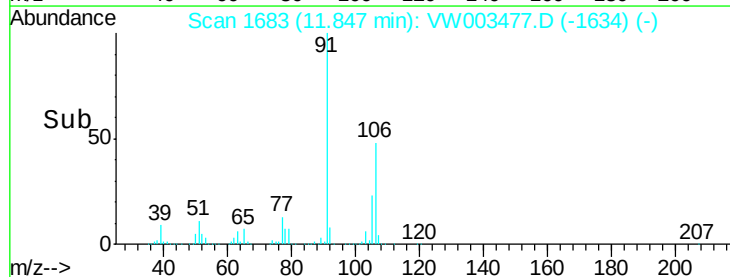
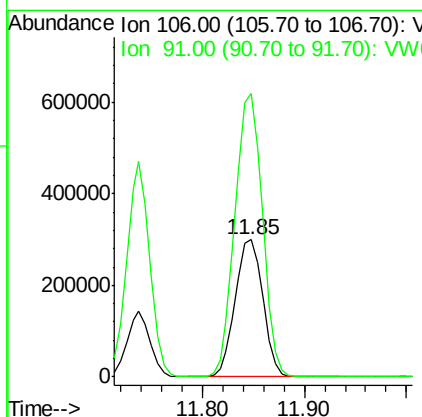
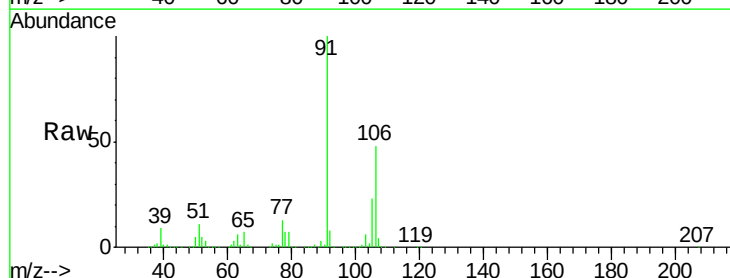
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

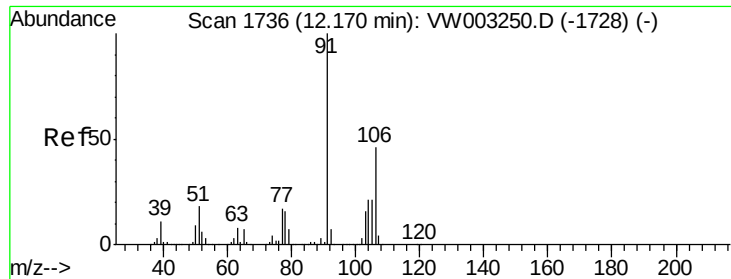
Tgt Ion: 91 Resp: 740744
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1



#68
m/p-Xylenes
Concen: 94.824 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Tgt Ion: 106 Resp: 561750
Ion Ratio Lower Upper
106 100
91 205.5 165.4 248.0

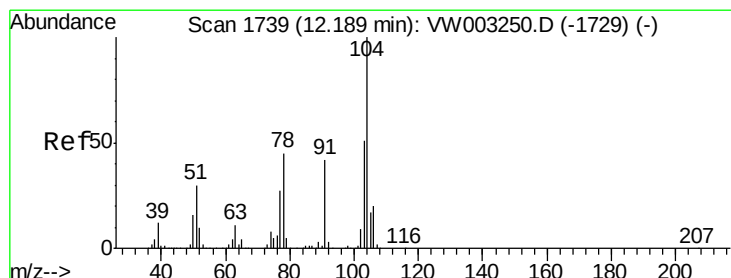
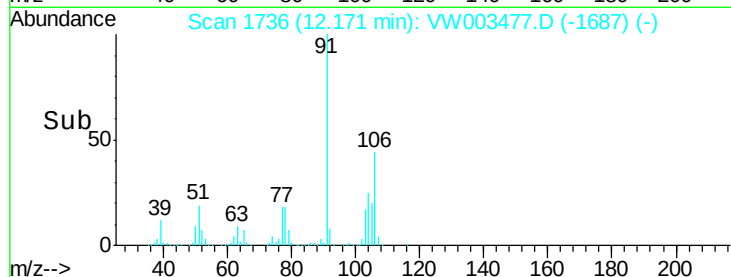
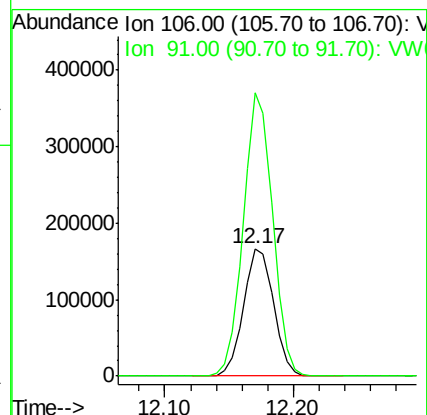
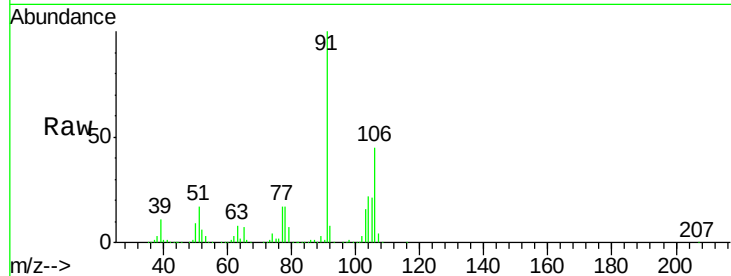




#69
o-Xylene
Concen: 48.812 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

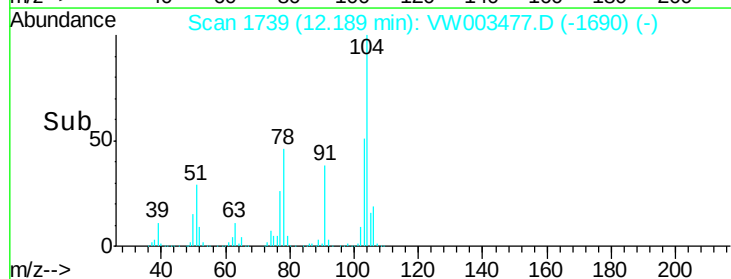
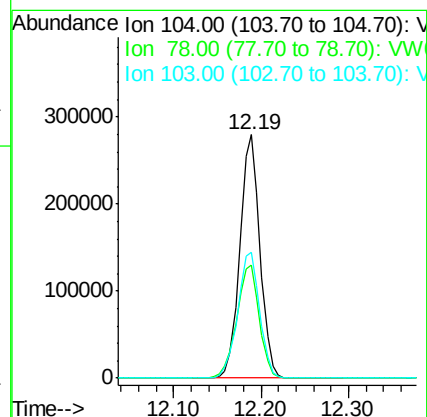
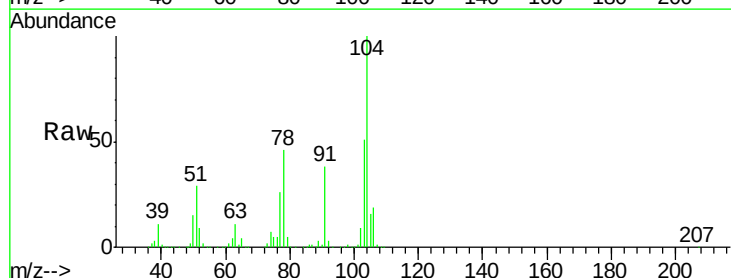
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

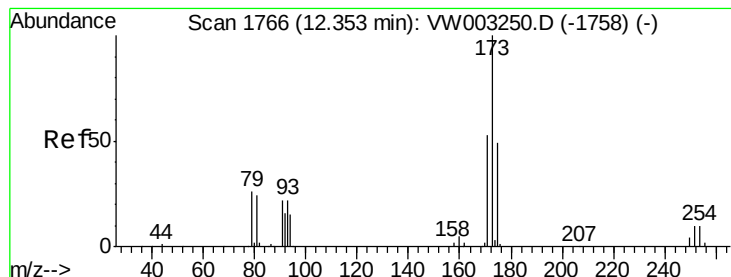
Tgt Ion:106 Resp: 267991
Ion Ratio Lower Upper
106 100
91 217.2 108.6 325.6



#70
Styrene
Concen: 48.995 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Tgt Ion:104 Resp: 447745
Ion Ratio Lower Upper
104 100
78 51.9 41.3 61.9
103 56.4 45.0 67.4





#71

Bromoform

Concen: 49.390 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

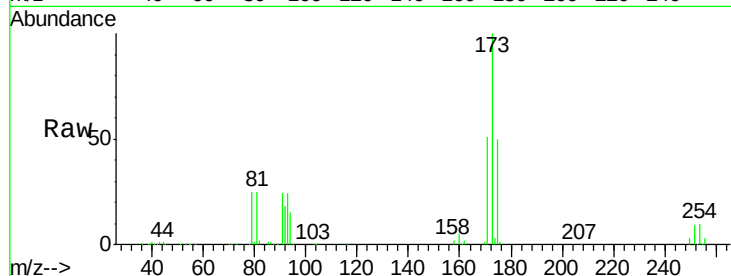
Tgt Ion:173 Resp: 79083

Ion Ratio Lower Upper

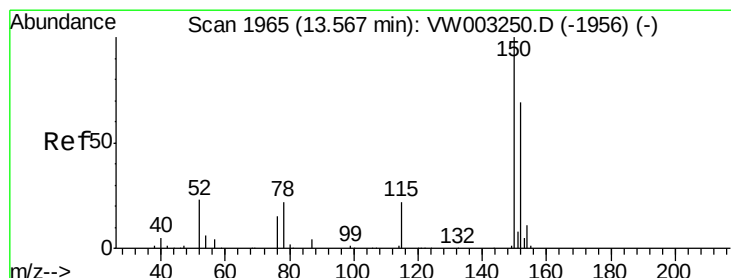
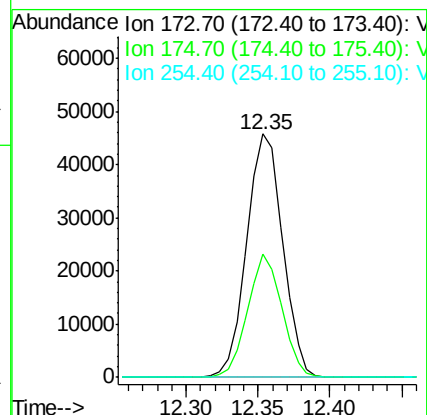
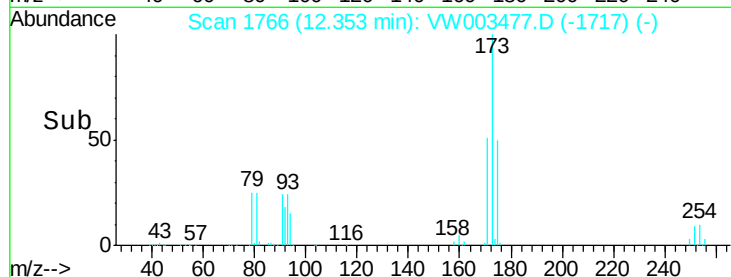
173 100

175 48.1 24.4 73.4

254 0.1 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: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

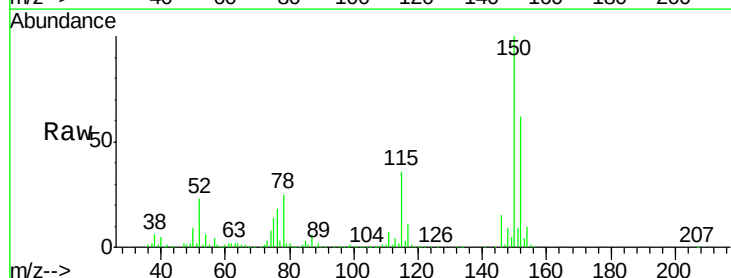
Tgt Ion:152 Resp: 221789

Ion Ratio Lower Upper

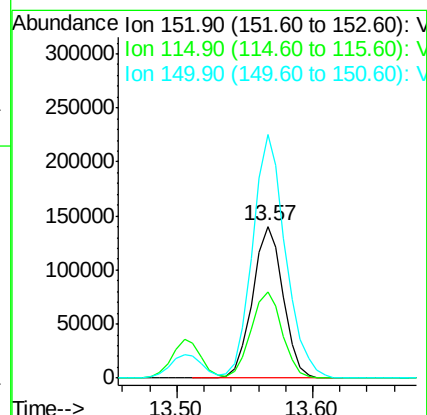
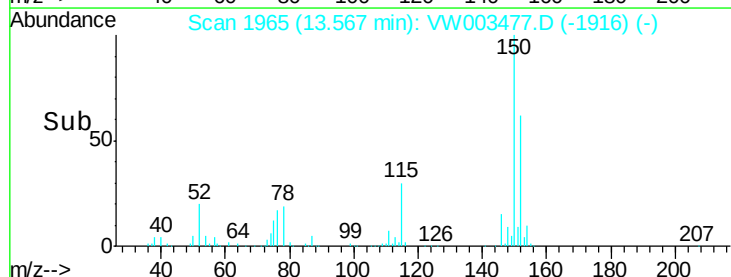
152 100

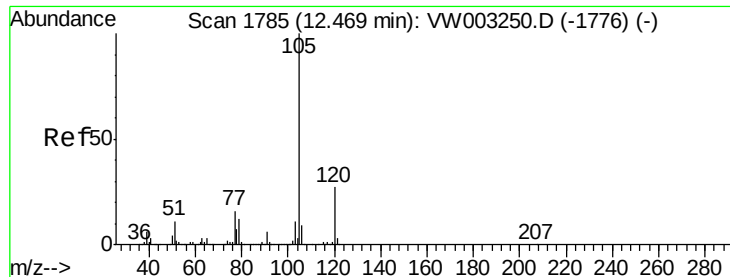
115 57.7 29.3 88.0

150 172.8 0.0 349.6



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: 47.670 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

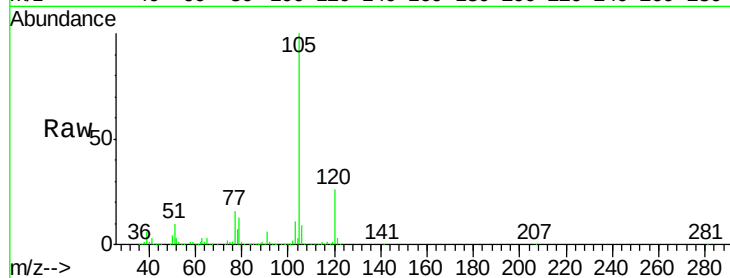
VSTDCCC050

Tgt Ion:105 Resp: 735371

Ion Ratio Lower Upper

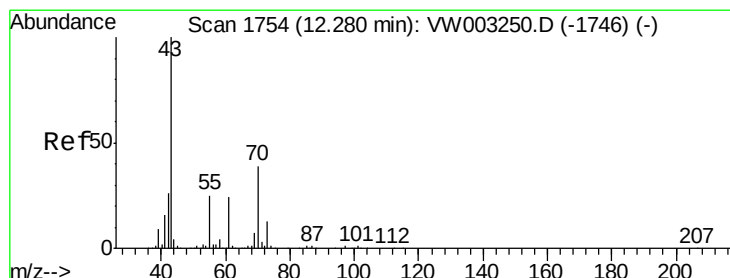
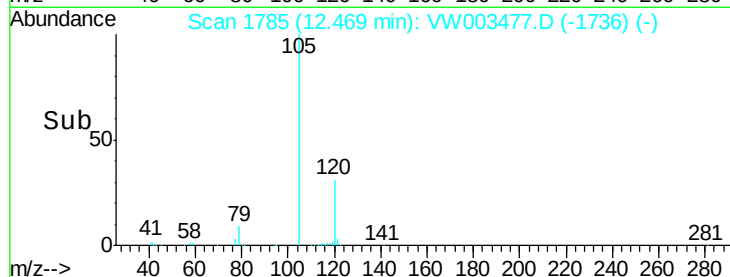
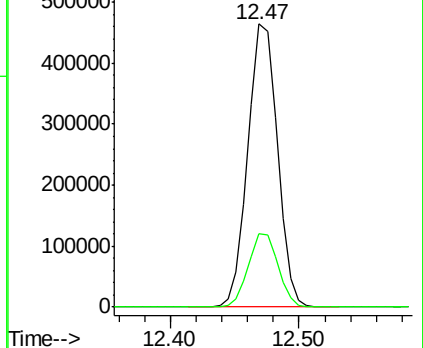
105 100

120 26.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.481 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Tgt Ion: 43 Resp: 184274

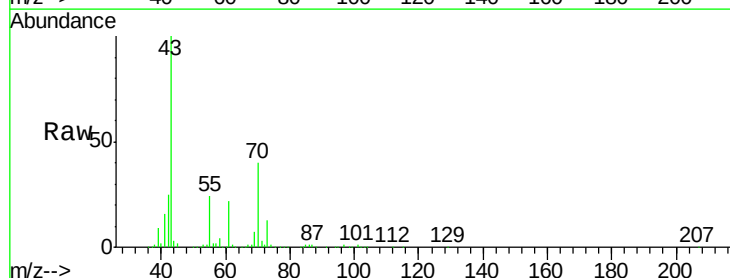
Ion Ratio Lower Upper

43 100

70 38.7 31.0 46.6

55 24.3 19.7 29.5

61 22.6 18.1 27.1

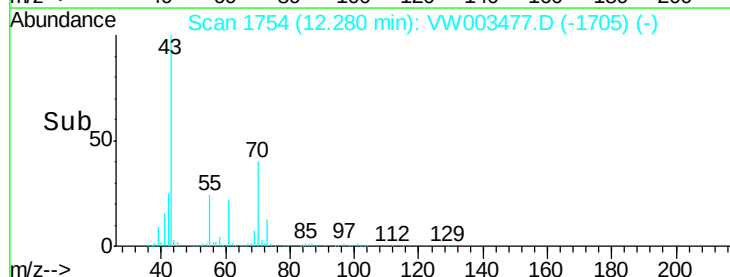
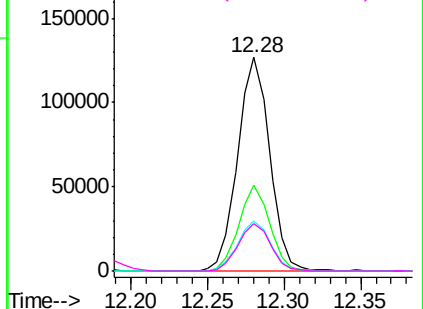


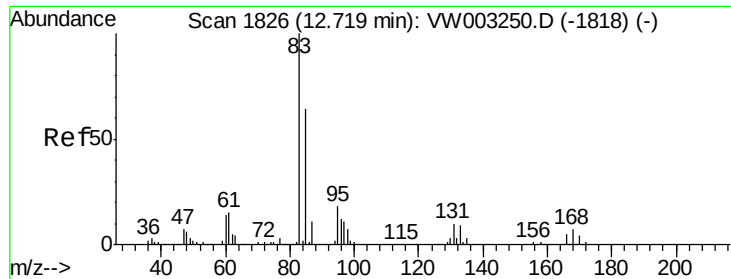
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

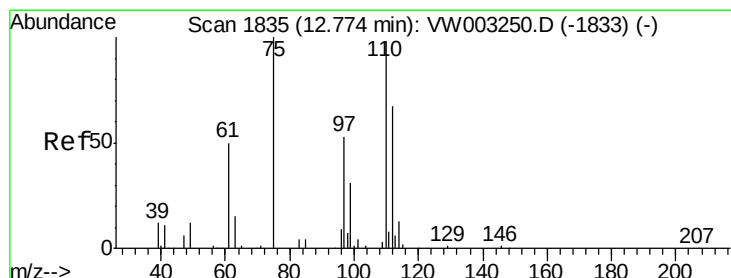
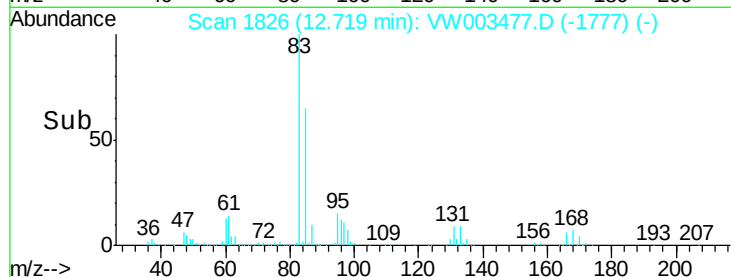
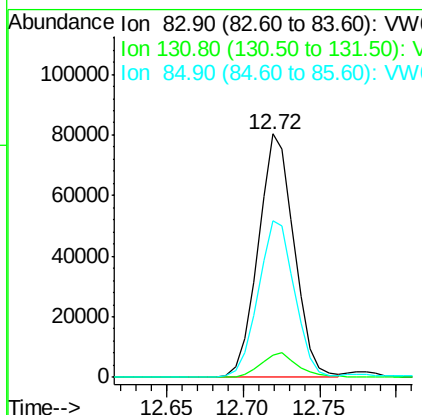
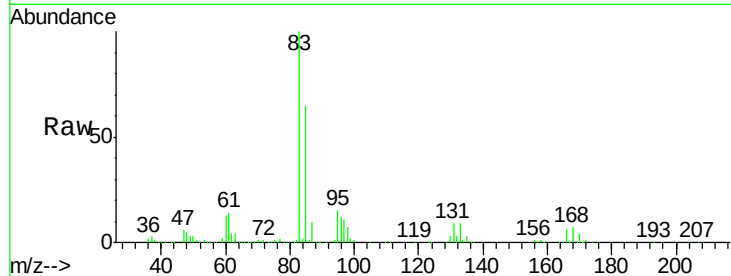




#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.205 ug/l
 RT: 12.72 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

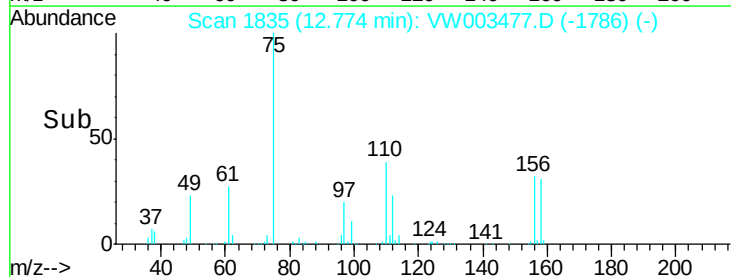
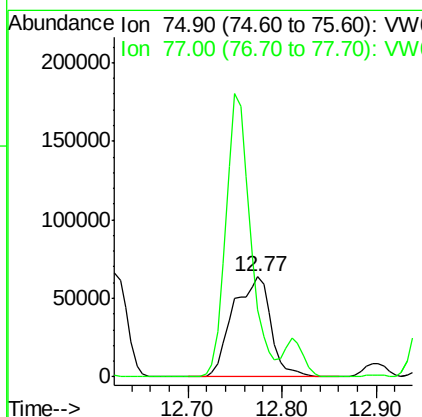
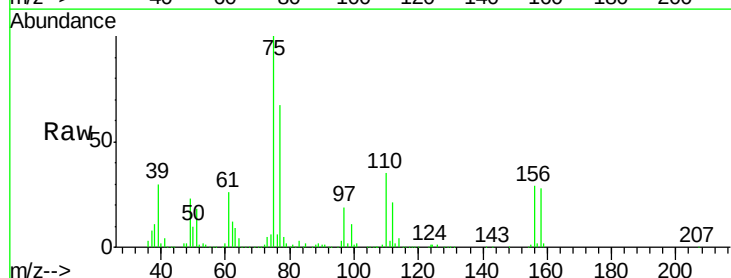
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

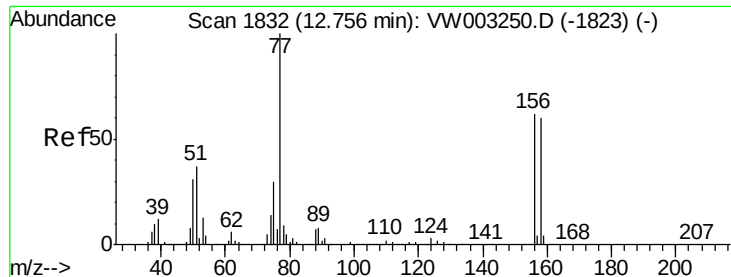
Tgt Ion: 83 Resp: 131025
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.4 16.2
 85 65.3 31.9 95.7



#76
 1,2,3-Trichloropropane
 Concen: 94.178 ug/l
 RT: 12.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Tgt Ion: 75 Resp: 178565
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.369 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

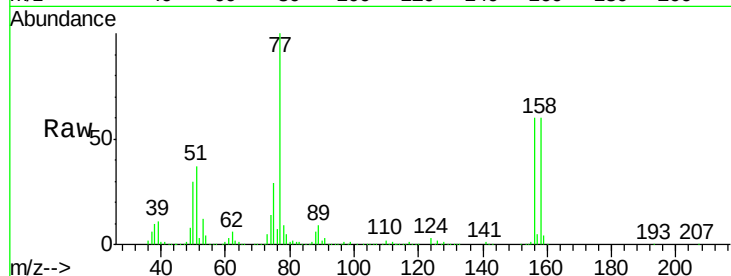
Tgt Ion:156 Resp: 170179

Ion Ratio Lower Upper

156 100

77 192.2 92.3 276.9

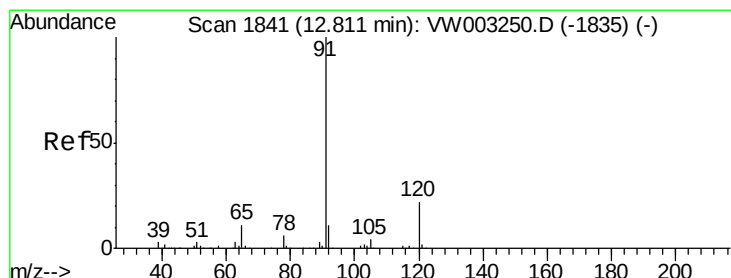
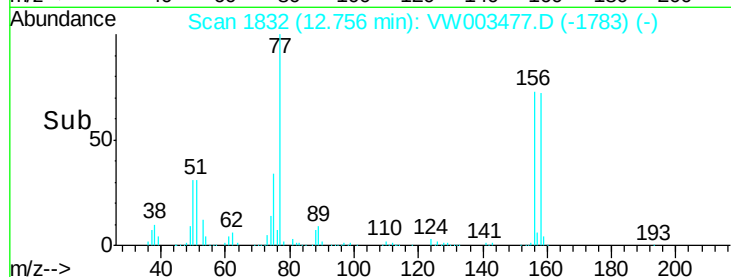
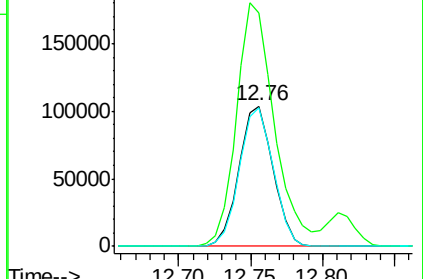
158 98.1 47.5 142.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.485 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003477.D

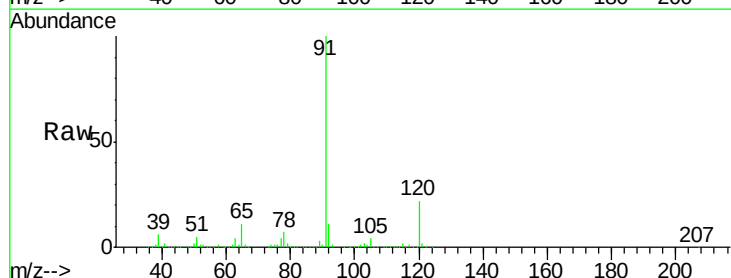
Acq: 23 Jun 2018 23:46

Tgt Ion: 91 Resp: 896963

Ion Ratio Lower Upper

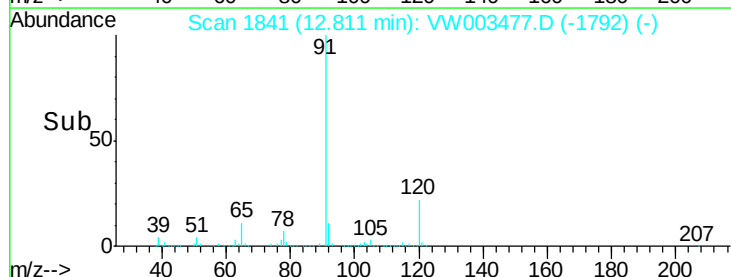
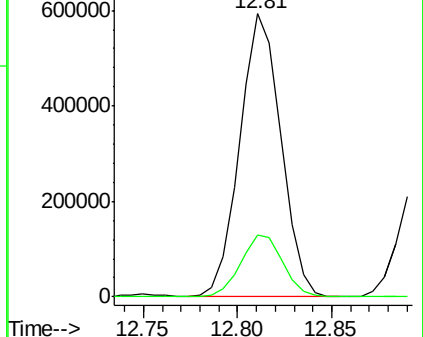
91 100

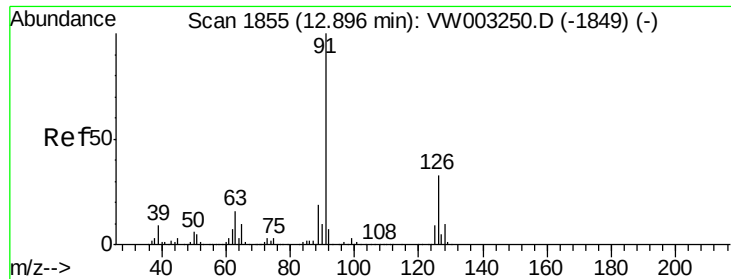
120 22.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

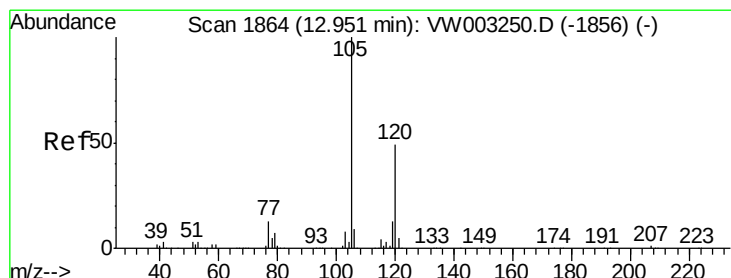
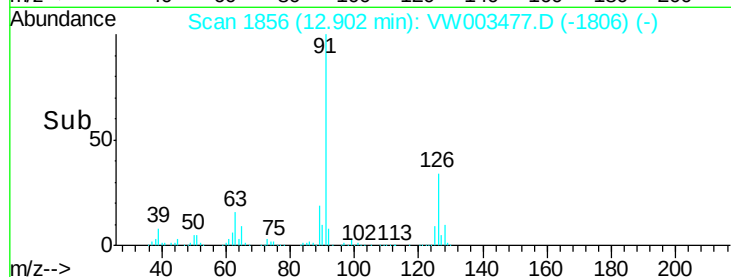
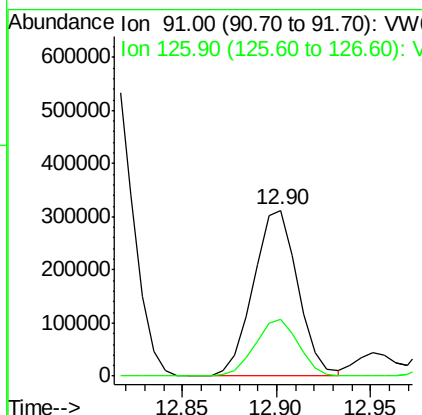
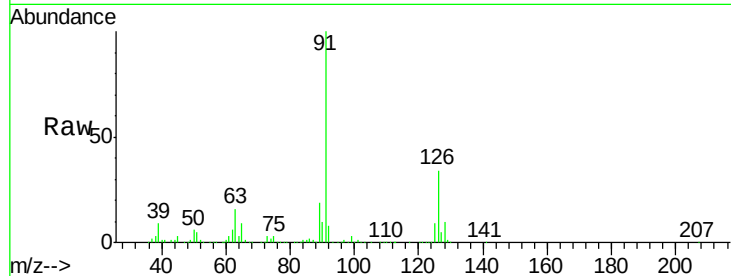




#79
 2-Chlorotoluene
 Concen: 47.954 ug/l
 RT: 12.90 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

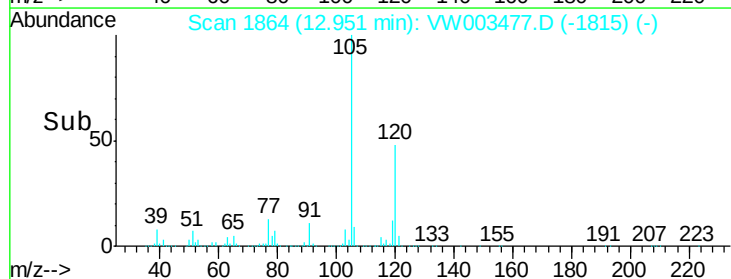
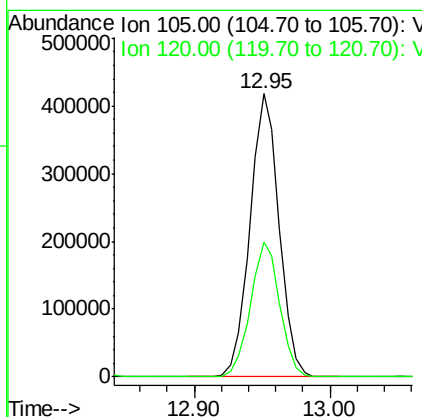
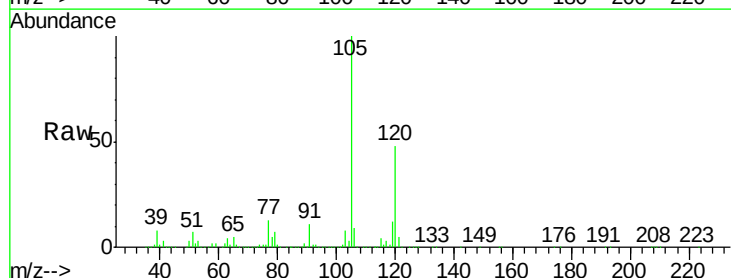
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

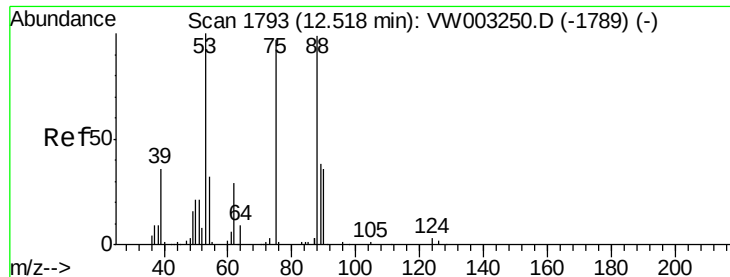
Tgt Ion: 91 Resp: 511891
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 48.248 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Tgt Ion: 105 Resp: 624743
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 49.608 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

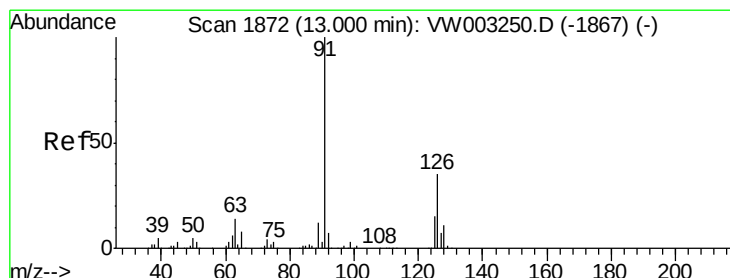
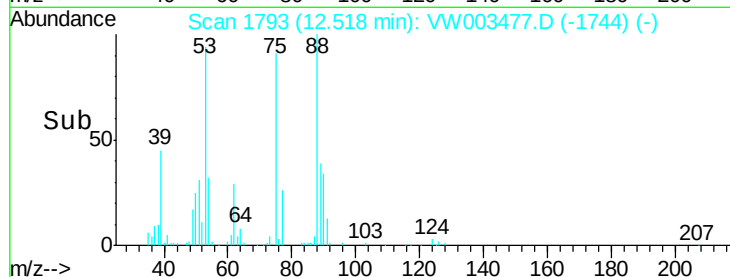
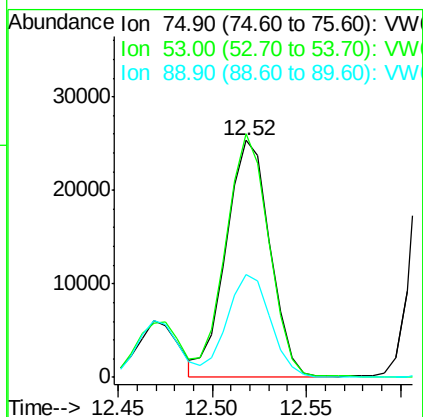
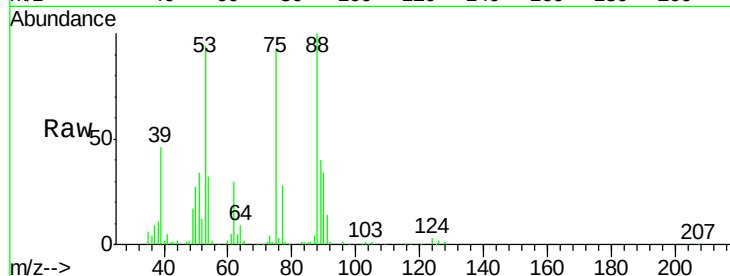
Tgt Ion: 75 Resp: 40876

Ion Ratio Lower Upper

75 100

53 100.1 82.9 124.3

89 43.1 36.7 55.1



#82

4-Chlorotoluene

Concen: 47.387 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.01 min

Lab File: VW003477.D

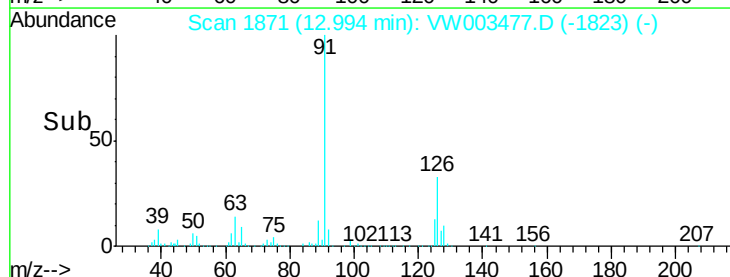
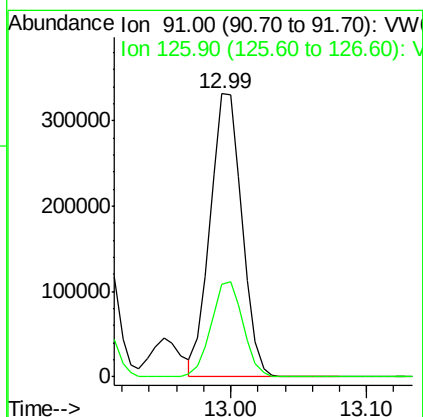
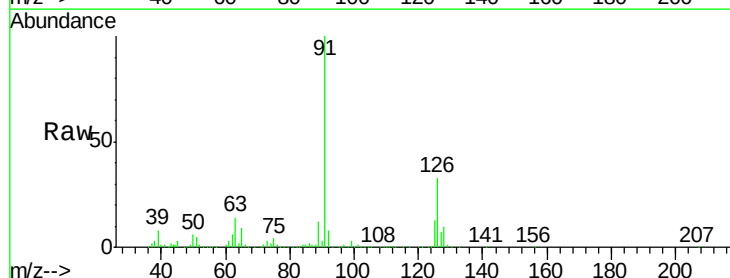
Acq: 23 Jun 2018 23:46

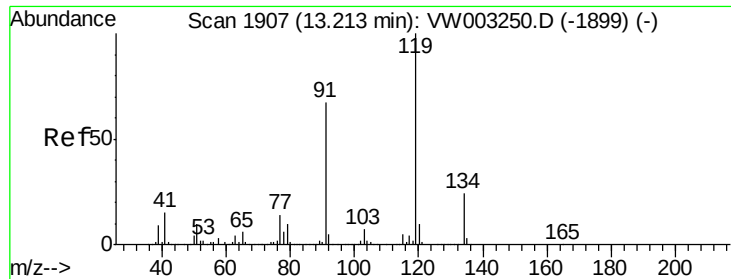
Tgt Ion: 91 Resp: 536603

Ion Ratio Lower Upper

91 100

126 33.5 16.8 50.3

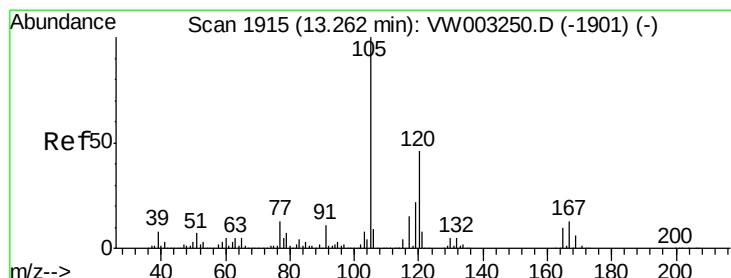
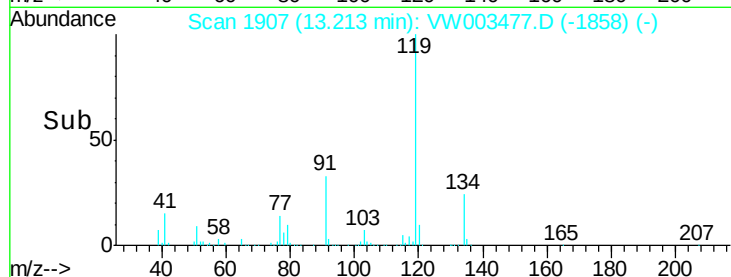
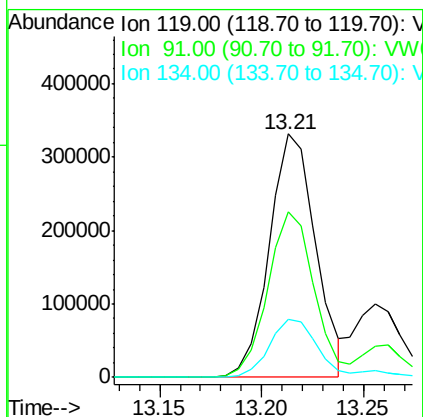
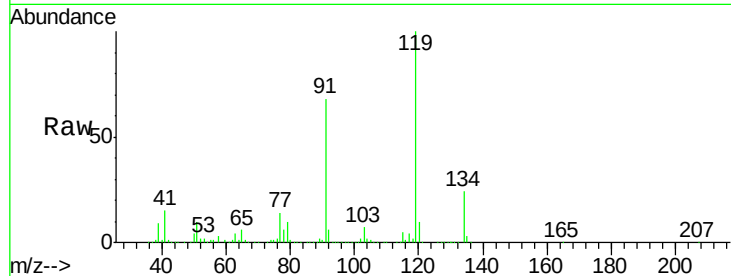




#83
 tert-Butylbenzene
 Concen: 47.638 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

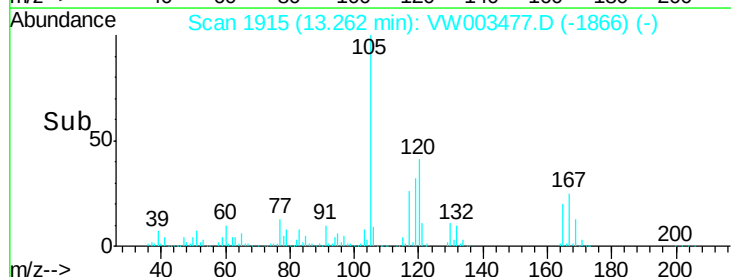
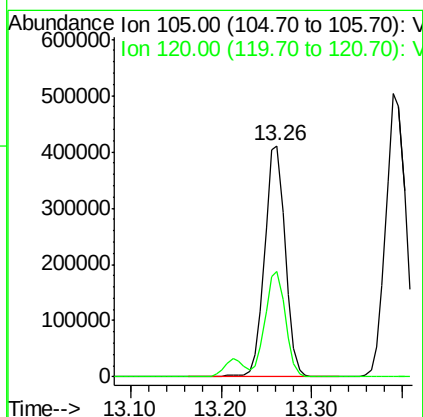
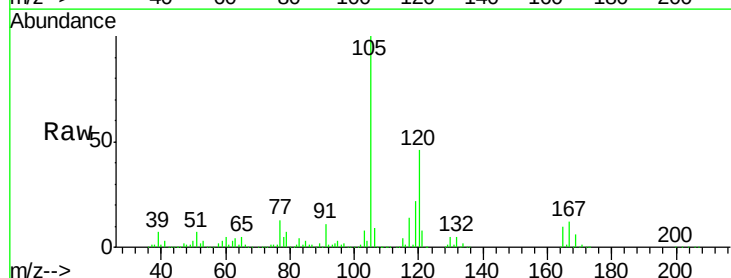
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

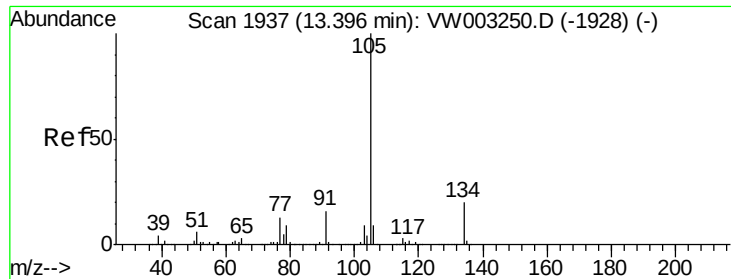
Tgt Ion:119 Resp: 525686
 Ion Ratio Lower Upper
 119 100
 91 68.3 33.9 101.7
 134 26.5 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 48.447 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Tgt Ion:105 Resp: 645294
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.5 67.5

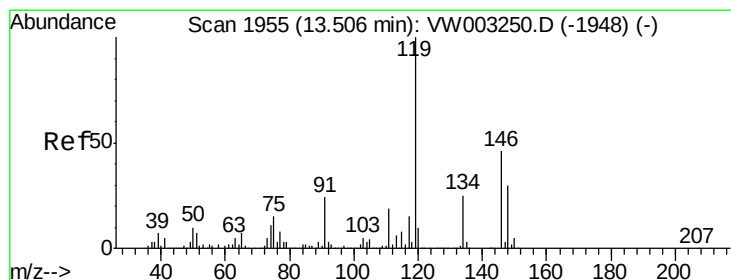
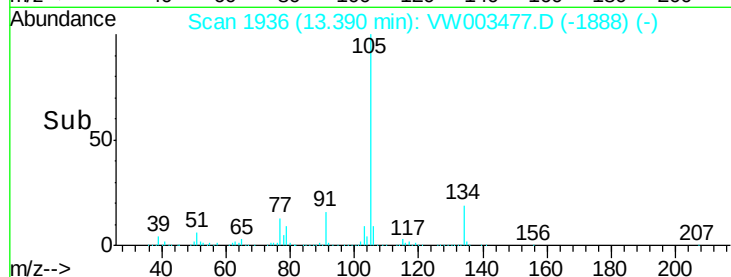
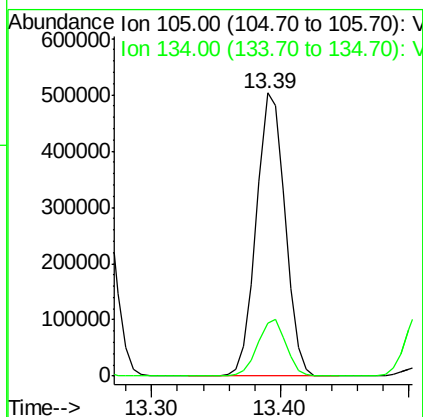
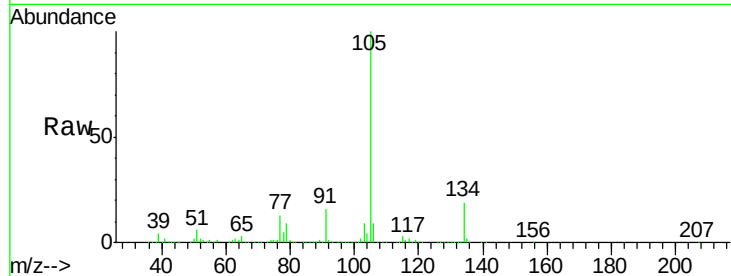




#85
 sec-Butylbenzene
 Concen: 47.103 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

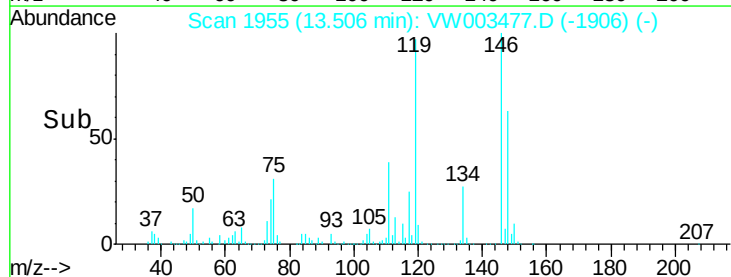
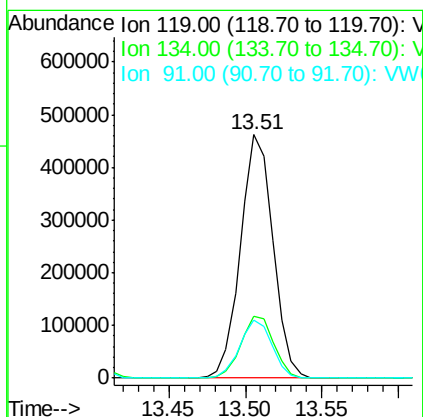
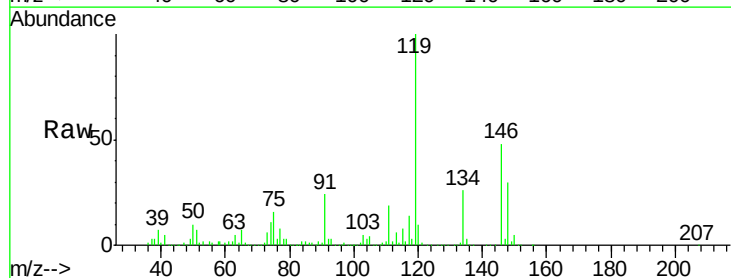
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

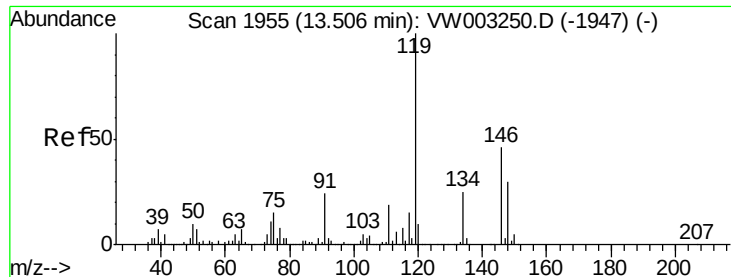
Tgt Ion:105 Resp: 772605
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 47.037 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Tgt Ion:119 Resp: 680480
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.7
 91 23.8 11.8 35.3

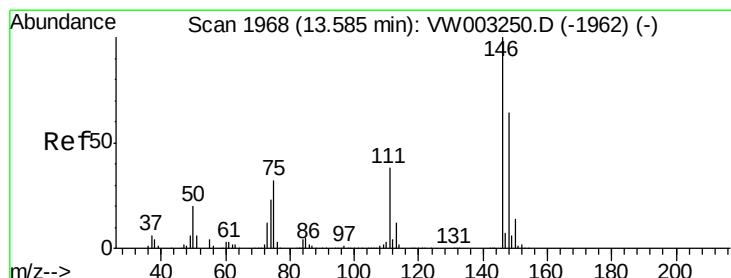
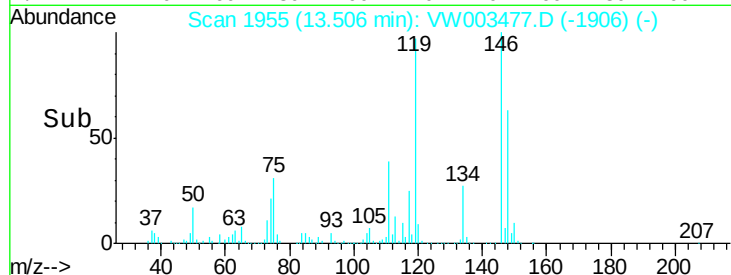
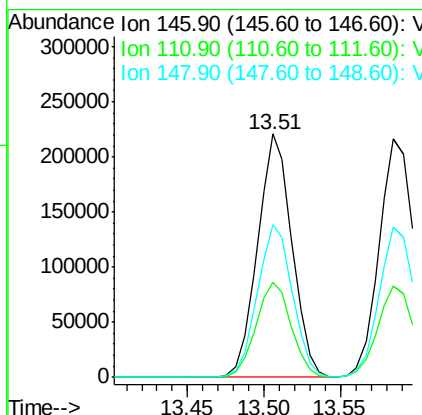
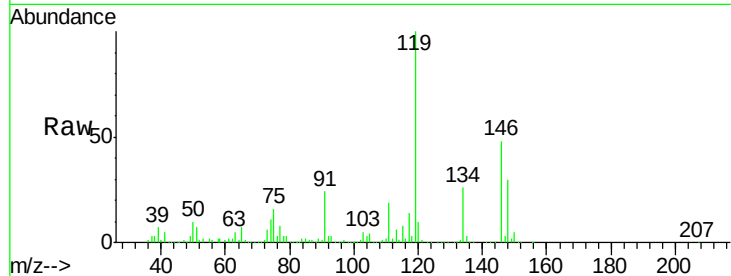




#87
 1,3-Dichlorobenzene
 Concen: 46.786 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

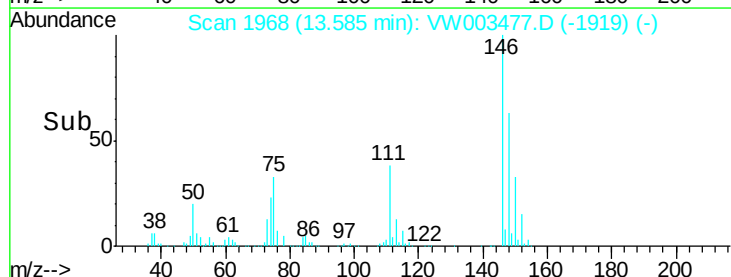
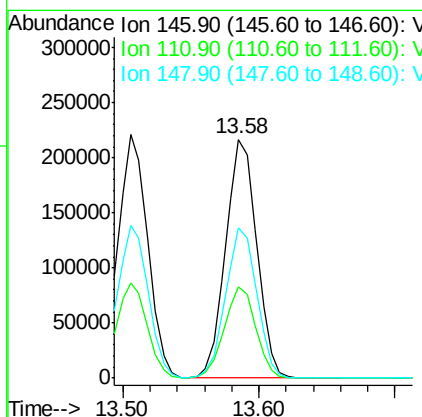
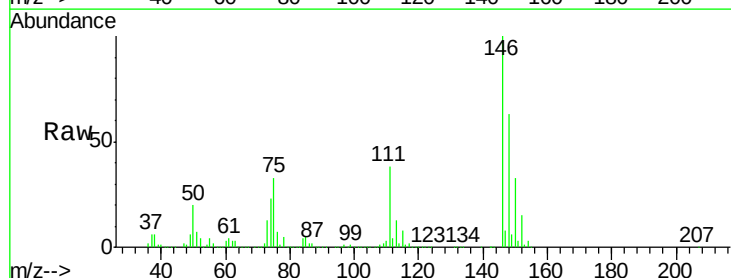
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

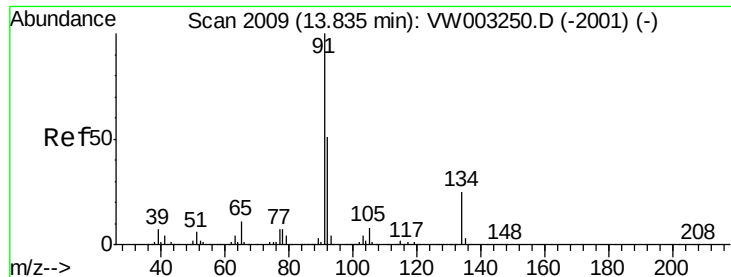
Tgt Ion:146 Resp: 345298
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.8 59.4
 148 64.0 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 46.949 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003477.D
 Acq: 23 Jun 2018 23:46

Tgt Ion:146 Resp: 344468
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.2 57.6
 148 63.2 31.8 95.4





#89

n-Butylbenzene

Concen: 46.600 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

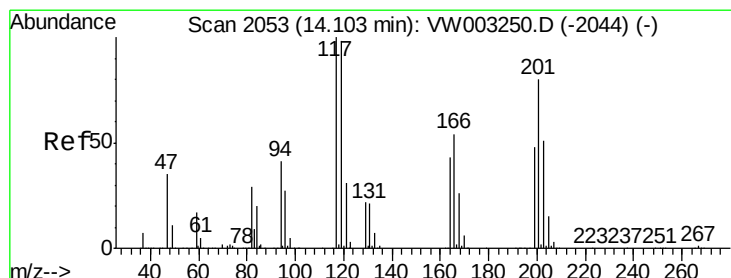
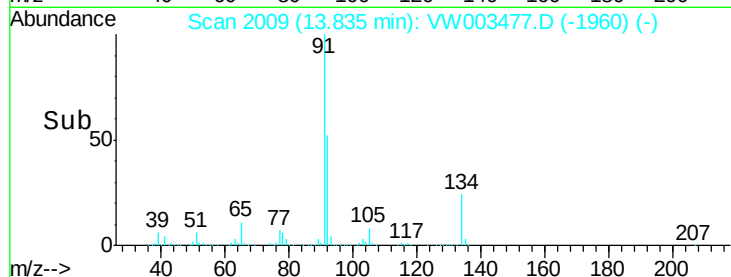
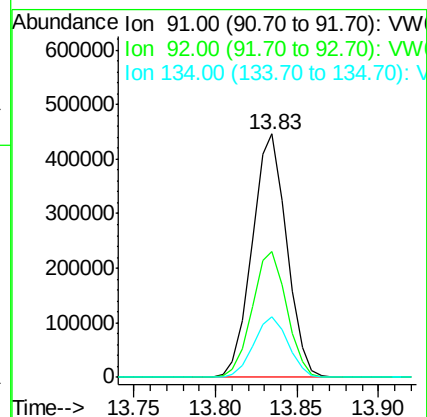
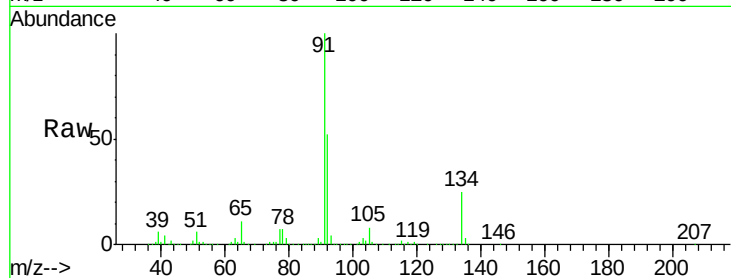
Tgt Ion: 91 Resp: 657133

Ion Ratio Lower Upper

91 100

92 51.8 26.0 78.0

134 25.0 12.7 38.0



#90

Hexachloroethane

Concen: 47.301 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003477.D

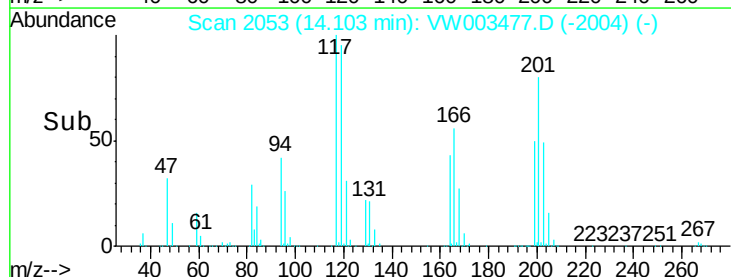
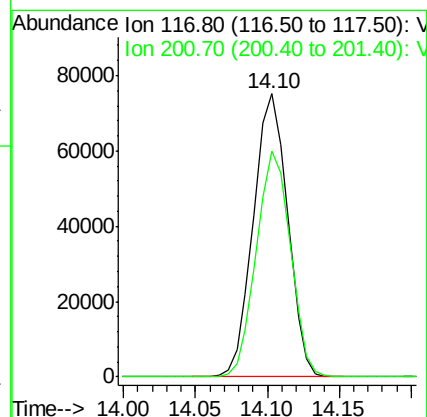
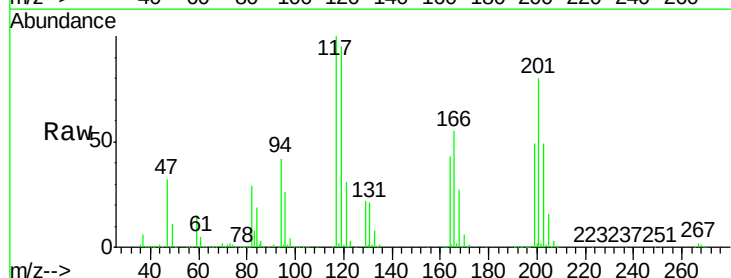
Acq: 23 Jun 2018 23:46

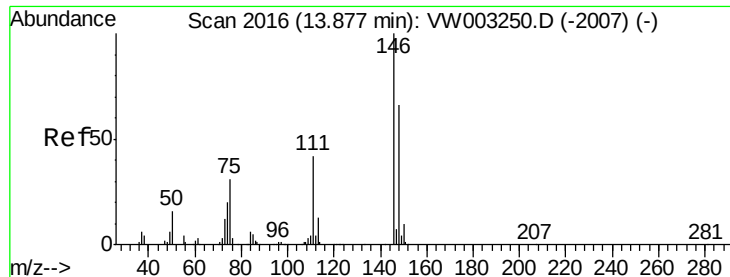
Tgt Ion: 117 Resp: 123787

Ion Ratio Lower Upper

117 100

201 79.4 39.5 118.5





#91

1,2-Dichlorobenzene

Concen: 48.043 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

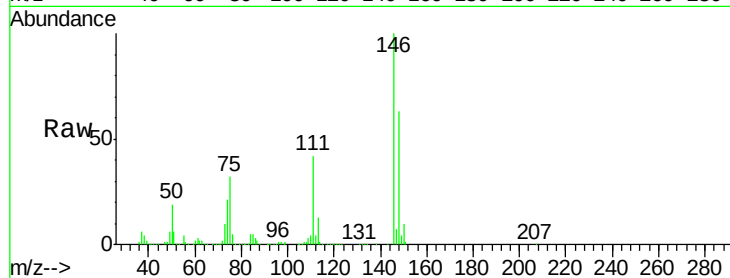
Tgt Ion:146 Resp: 310596

Ion Ratio Lower Upper

146 100

111 41.5 20.3 61.0

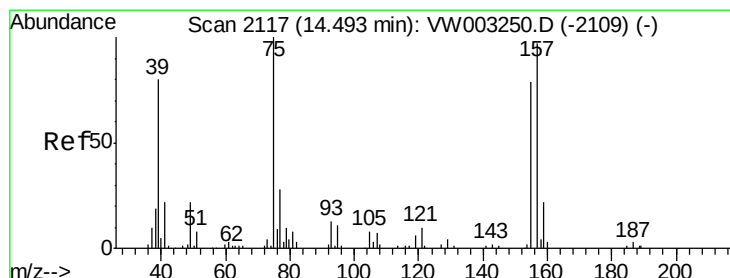
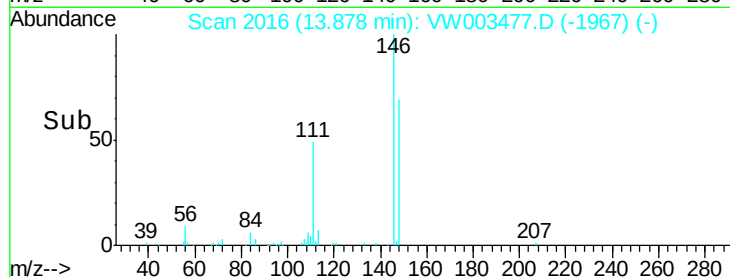
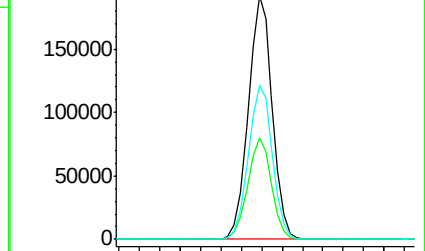
148 63.8 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.745 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

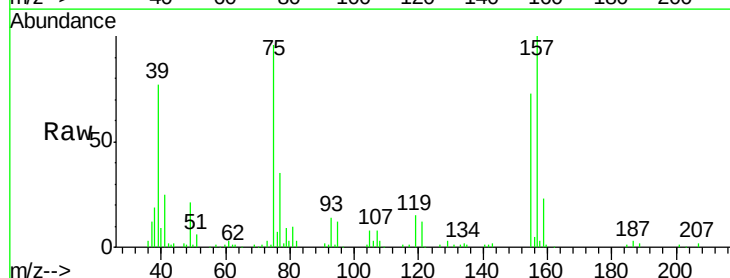
Tgt Ion: 75 Resp: 22726

Ion Ratio Lower Upper

75 100

155 75.6 39.4 118.2

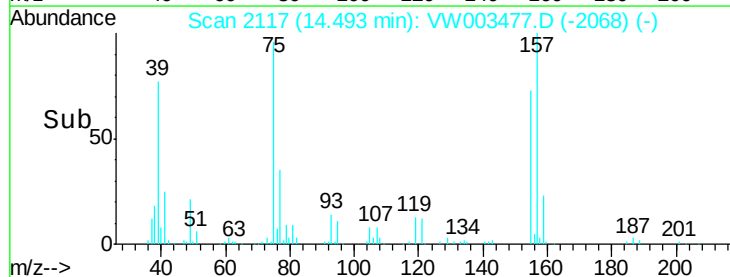
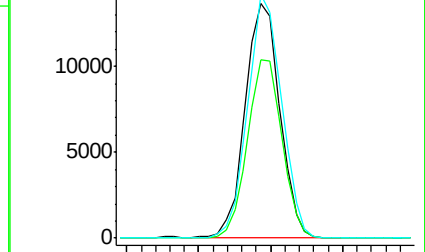
157 101.1 51.5 154.5

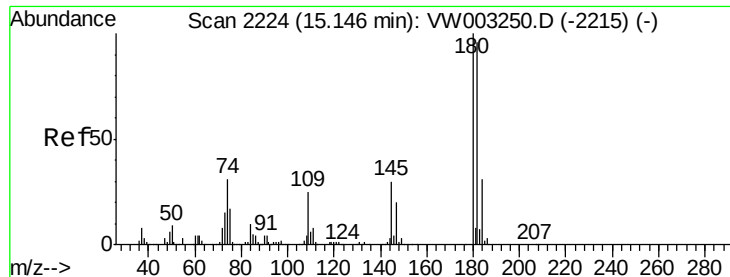


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 47.807 ug/l

RT: 15.15 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

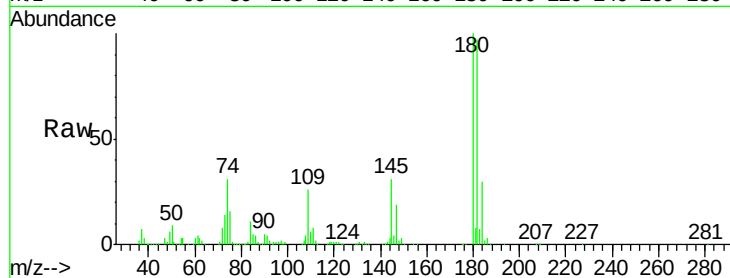
Tgt Ion:180 Resp: 216968

Ion Ratio Lower Upper

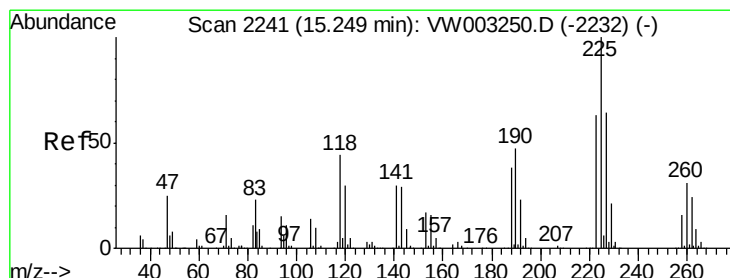
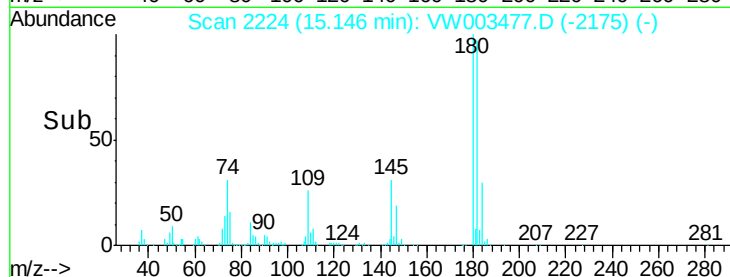
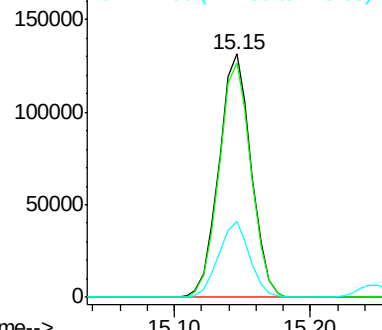
180 100

182 96.4 47.9 143.6

145 30.3 15.2 45.5



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



#94

Hexachlorobutadiene

Concen: 45.244 ug/l

RT: 15.25 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW003477.D

Acq: 23 Jun 2018 23:46

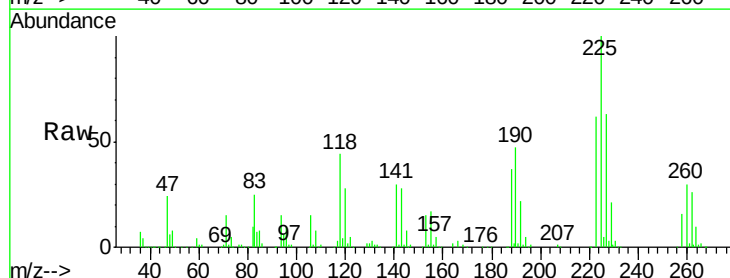
Tgt Ion:225 Resp: 123518

Ion Ratio Lower Upper

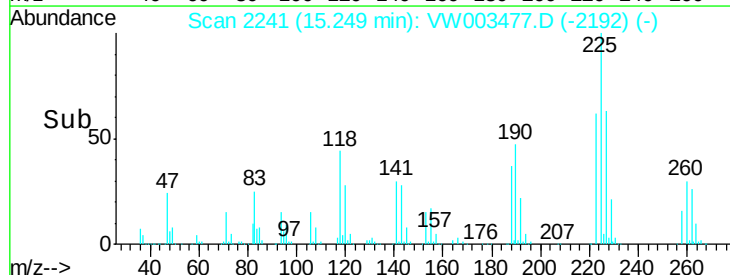
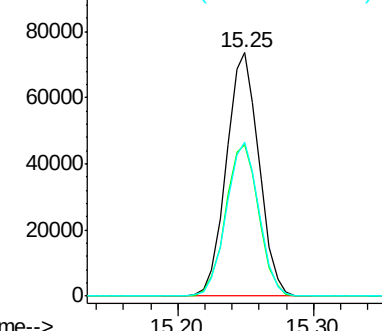
225 100

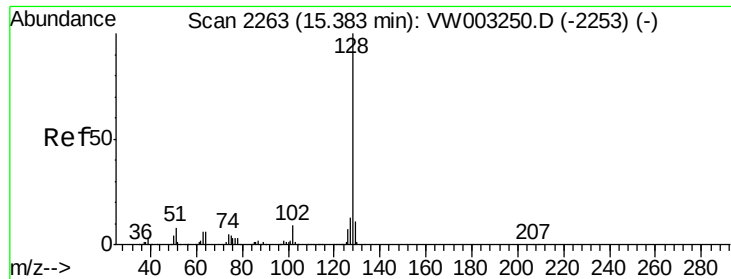
223 63.1 30.6 92.0

227 63.2 31.7 95.1



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

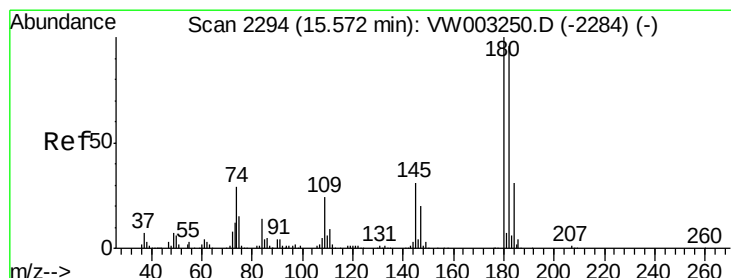
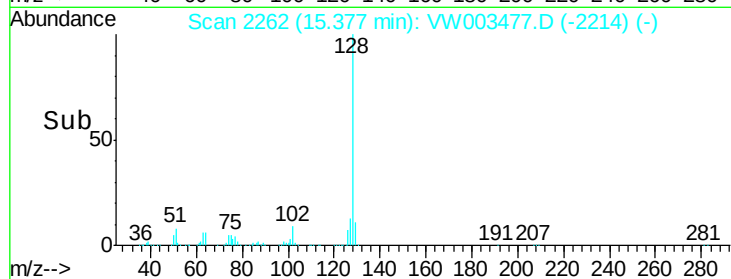
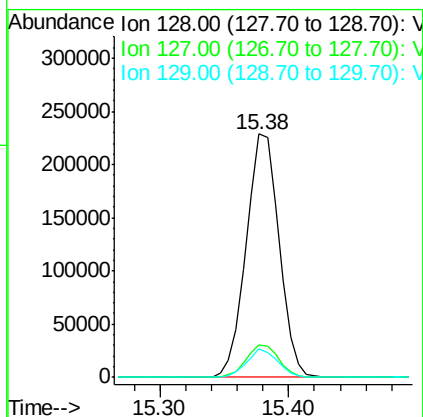
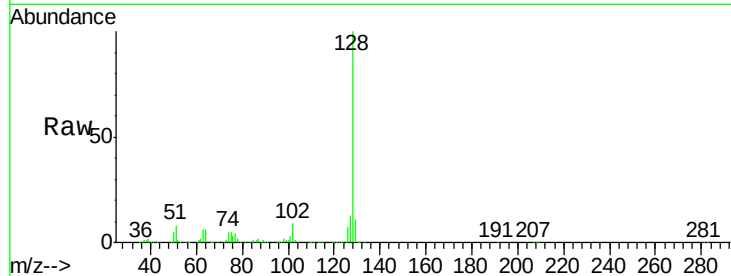




#95
Naphthalene
Concen: 52.354 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 403052
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 48.383 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VW003477.D
Acq: 23 Jun 2018 23:46

Tgt Ion:180 Resp: 193281
Ion Ratio Lower Upper
180 100
182 94.7 47.9 143.6
145 32.7 15.8 47.4

