

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102518\
 Data File : VW006331.D
 Acq On : 24 Oct 2018 22:27
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 25 06:07:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	240156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	346912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	178649	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	96822	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.88	113	102384	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.33	98	381683	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.62	95	145983	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	63761	53.652	ug/l	98
3) Chloromethane	2.21	50	79225	51.788	ug/l	100
4) Vinyl Chloride	2.37	62	118686	54.327	ug/l	99
5) Bromomethane	2.79	94	102131	51.398	ug/l	94
6) Chloroethane	2.93	64	87509	55.894	ug/l	95
7) Trichlorofluoromethane	3.26	101	110344	54.218	ug/l	99
8) Diethyl Ether	3.68	74	56985	52.685	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	116222	54.492	ug/l	98
10) Methyl Iodide	4.26	142	195376	55.037	ug/l	99
11) Tert butyl alcohol	5.23	59	32575	243.269	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	109589	54.615	ug/l	89
13) Acrolein	3.90	56	27800	214.554	ug/l	98
14) Allyl chloride	4.67	41	149589	52.138	ug/l	99
15) Acrylonitrile	5.38	53	103307	266.290	ug/l	99
16) Acetone	4.15	43	102922	277.147	ug/l	99
17) Carbon Disulfide	4.37	76	303817	50.168	ug/l	98
18) Methyl Acetate	4.68	43	52099	51.997	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	161480	52.836	ug/l	94
20) Methylene Chloride	4.91	84	115827	55.147	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	123543	55.160	ug/l	99
22) Diisopropyl ether	6.32	45	309716	54.626	ug/l	99
23) Vinyl Acetate	6.26	43	872787	260.843	ug/l	98
24) 1,1-Dichloroethane	6.22	63	205185	56.085	ug/l	99
25) 2-Butanone	7.18	43	139448	259.258	ug/l	99
26) 2,2-Dichloropropane	7.17	77	128088	49.641	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	140026	56.653	ug/l	98
28) Bromochloromethane	7.51	49	78396	55.506	ug/l	94
29) Tetrahydrofuran	7.54	42	83806	253.483	ug/l	98
30) Chloroform	7.68	83	223426	56.054	ug/l	98
31) Cyclohexane	7.96	56	178431	48.975	ug/l	95
32) 1,1,1-Trichloroethane	7.88	97	194517	54.100	ug/l	99
36) 1,1-Dichloropropene	8.09	75	174476	54.565	ug/l	99
37) Ethyl Acetate	7.26	43	61355	51.645	ug/l	99
38) Carbon Tetrachloride	8.07	117	183621	52.384	ug/l	99

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Quant Time: Oct 25 06:07:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	224107	52.726	ug/l	99
40) Benzene	8.33	78	489596	55.819	ug/l	99
41) Methacrylonitrile	7.49	41	38060	53.143	ug/l	97
42) 1,2-Dichloroethane	8.40	62	140480	54.514	ug/l	100
43) Isopropyl Acetate	8.43	43	120776	49.721	ug/l	98
44) Trichloroethene	9.10	130	148426	55.157	ug/l	97
45) 1,2-Dichloropropane	9.37	63	114279	54.448	ug/l	99
46) Dibromomethane	9.46	93	65109	54.427	ug/l	98
47) Bromodichloromethane	9.65	83	157098	54.167	ug/l	99
48) Methyl methacrylate	9.44	41	58657	50.944	ug/l	95
49) 1,4-Dioxane	9.49	88	20927	1136.350	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	308580	253.547	ug/l	99
52) Toluene	10.39	92	327302	55.660	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	151008	52.259	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	178779	53.908	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	93034	55.575	ug/l	97
56) Ethyl methacrylate	10.65	69	109361	53.289	ug/l	95
57) 1,3-Dichloropropane	10.94	76	152253	54.941	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	189714	241.927	ug/l	100
59) 2-Hexanone	10.98	43	216591	249.306	ug/l	97
60) Dibromochloromethane	11.13	129	112186	53.802	ug/l	100
61) 1,2-Dibromoethane	11.24	107	92795	55.477	ug/l	98
64) Tetrachloroethene	10.87	164	138169	55.893	ug/l	98
65) Chlorobenzene	11.66	112	380761	55.856	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	134089	55.350	ug/l	99
67) Ethyl Benzene	11.74	91	654193	55.376	ug/l	99
68) m/p-Xylenes	11.85	106	516899	110.699	ug/l	99
69) o-Xylene	12.17	106	245141	55.087	ug/l	100
70) Styrene	12.19	104	402809	55.664	ug/l	99
71) Bromoform	12.35	173	69012	51.074	ug/l	99
73) Isopropylbenzene	12.47	105	688359	54.541	ug/l	99
74) N-amyl acetate	12.28	43	120645	49.216	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	105612	55.018	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	132419	97.044	ug/l #	100
77) Bromobenzene	12.75	156	170243	55.072	ug/l	99
78) n-propylbenzene	12.81	91	807540	54.996	ug/l	100
79) 2-Chlorotoluene	12.90	91	453979	55.027	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	583634	54.854	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	27382	47.968	ug/l	98
82) 4-Chlorotoluene	12.99	91	481947	55.767	ug/l	100
83) tert-Butylbenzene	13.21	119	524575	55.106	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	597281	55.476	ug/l	99
85) sec-Butylbenzene	13.39	105	740669	55.075	ug/l	100
86) p-Isopropyltoluene	13.51	119	673594	55.375	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	340471	55.341	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	338468	55.255	ug/l	99
89) n-Butylbenzene	13.83	91	613777	55.173	ug/l	99
90) Hexachloroethane	14.10	117	108477	52.648	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	303511	55.307	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16576	48.230	ug/l	94

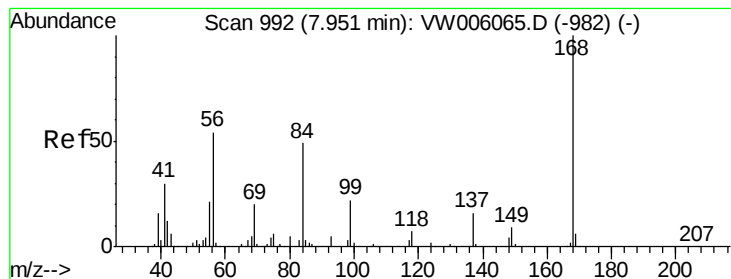
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102518\
Data File : VW006331.D
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	242476	57.425	ug/l	100
94) Hexachlorobutadiene	15.24	225	142797	53.834	ug/l	99
95) Naphthalene	15.38	128	371979	52.957	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	199044	54.499	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

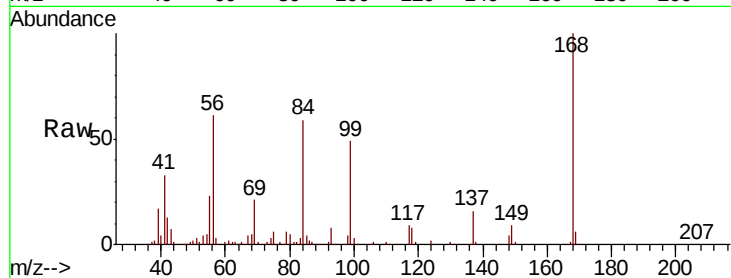
VSTDCCC050

Tot Ion:168 Resp: 240156

Ion Ratio Lower Upper

168 100

99 49.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

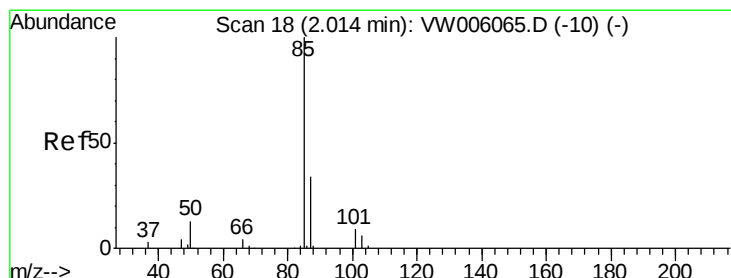
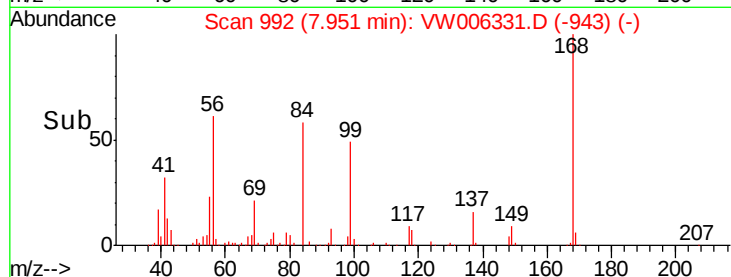
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.652 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006331.D

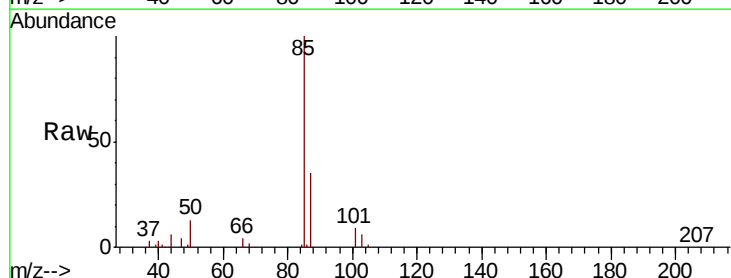
Acq: 24 Oct 2018 22:27

Tgt Ion: 85 Resp: 63761

Ion Ratio Lower Upper

85 100

87 34.8 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

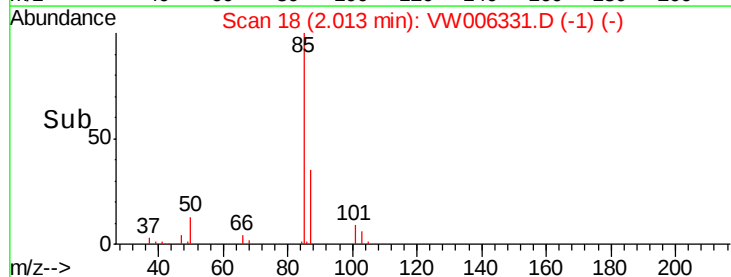
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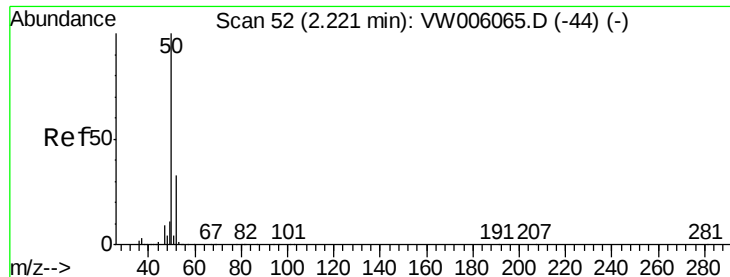
10000

5000

0

Time-->





#3

Chloromethane

Concen: 51.788 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

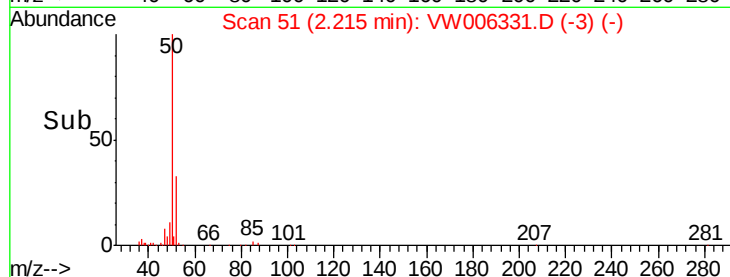
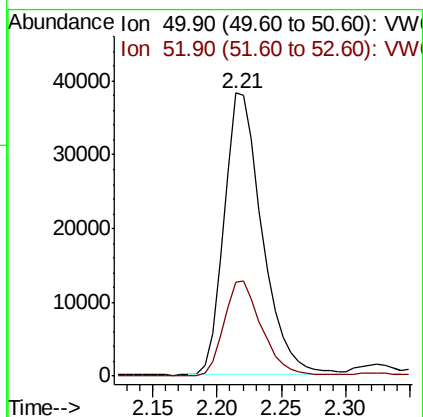
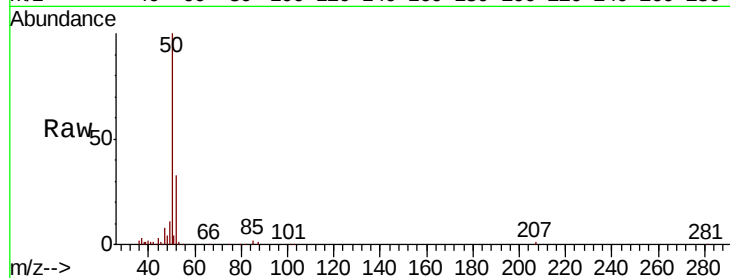
VSTDCCC050

Tot Ion: 50 Resp: 79225

Ion Ratio Lower Upper

50 100

52 33.2 26.8 40.2



#4

Vinyl Chloride

Concen: 54.327 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006331.D

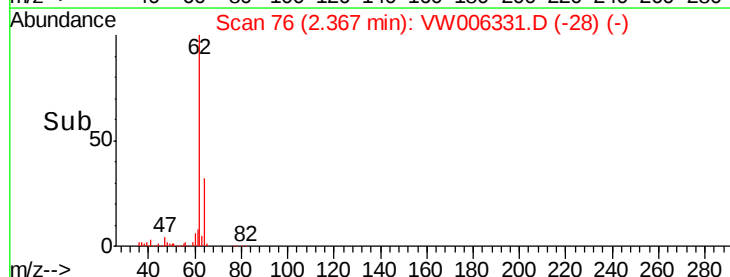
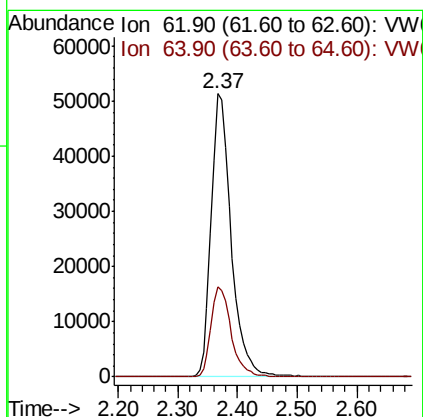
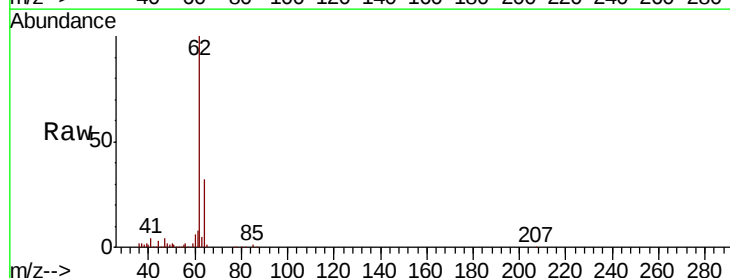
Acq: 24 Oct 2018 22:27

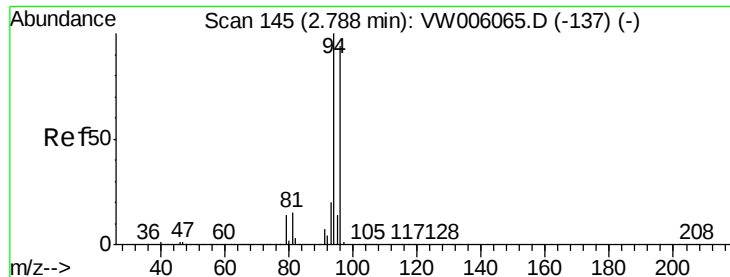
Tgt Ion: 62 Resp: 118686

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 51.398 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

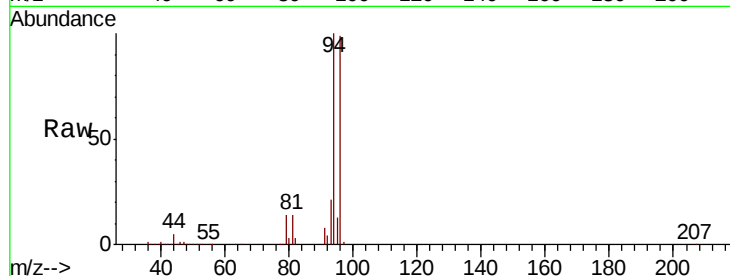
VSTDCCC050

Tot Ion: 94 Resp: 102131

Ion Ratio Lower Upper

94 100

96 98.9 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.79

40000

30000

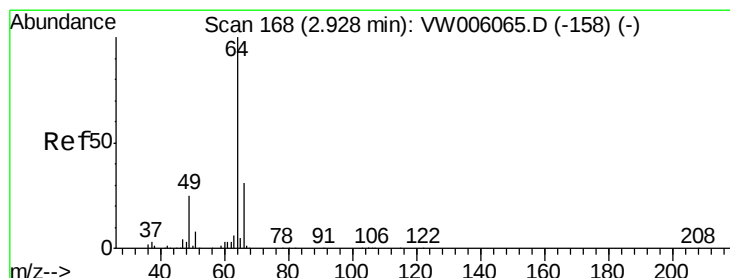
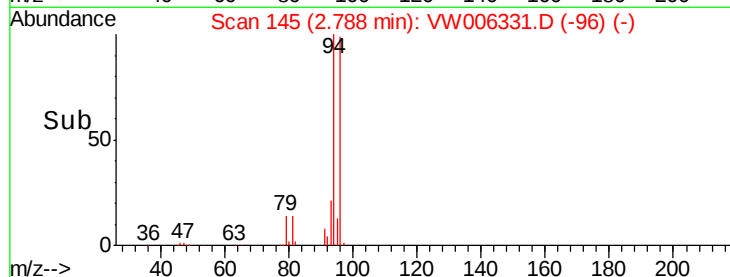
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 55.894 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006331.D

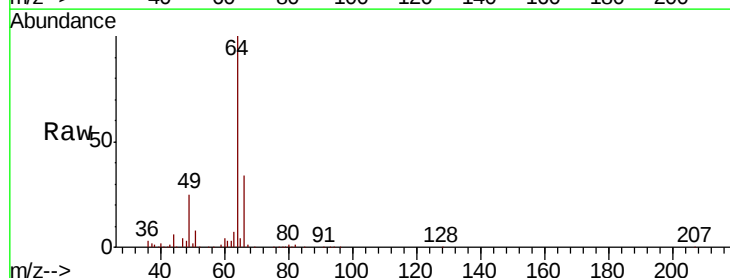
Acq: 24 Oct 2018 22:27

Tgt Ion: 64 Resp: 87509

Ion Ratio Lower Upper

64 100

66 33.7 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

30000

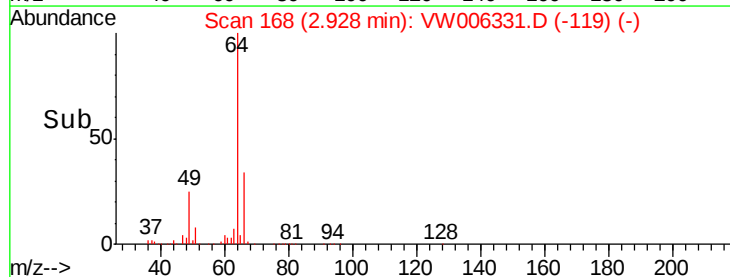
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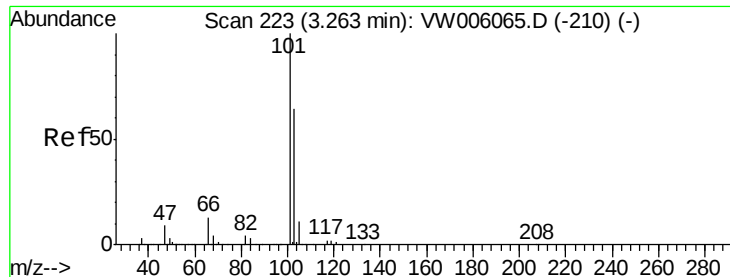
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Time-->

2.80 2.90 3.00 3.10



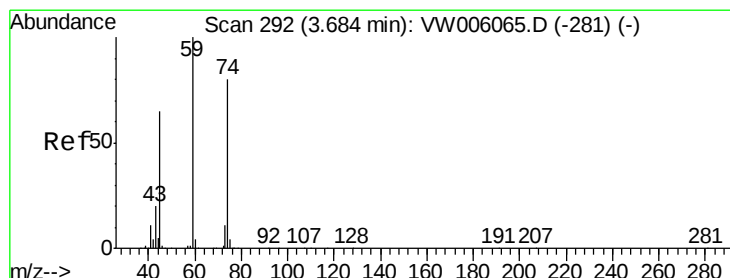
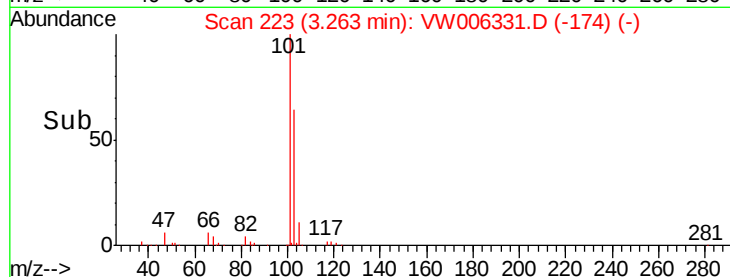
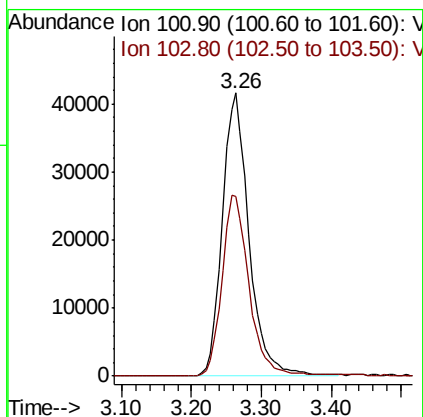
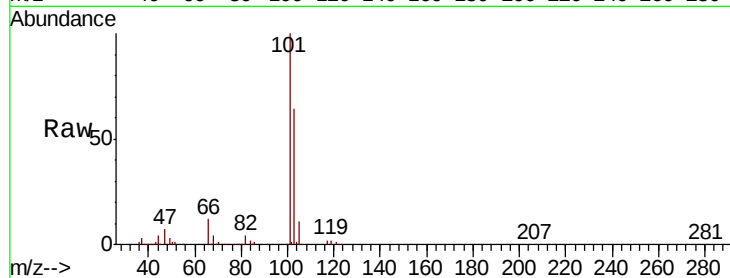


#7

Trichlorofluoromethane
 Concen: 54.218 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

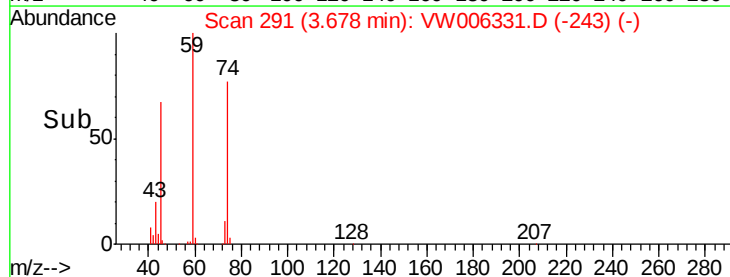
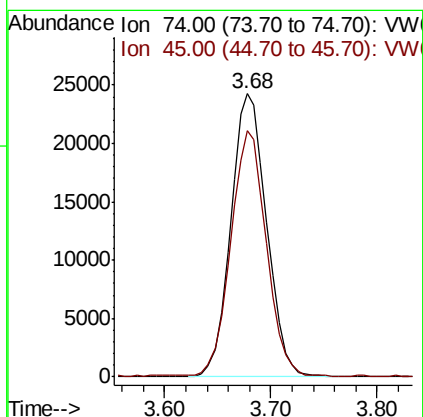
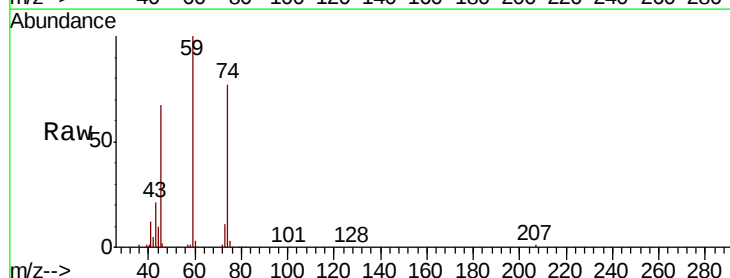
Tot Ion:101 Resp: 110344
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.2 76.8



#8

Diethyl Ether
 Concen: 52.685 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion: 74 Resp: 56985
 Ion Ratio Lower Upper
 74 100
 45 87.2 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.492 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

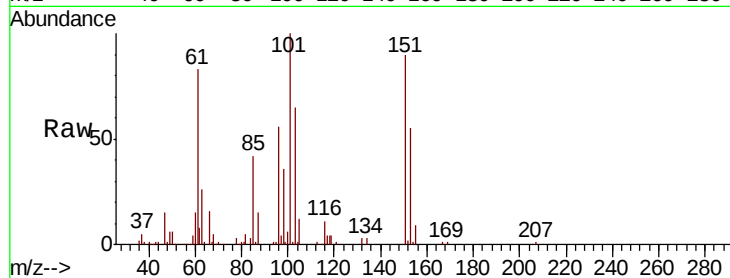
Tot Ion:101 Resp: 116222

Ion Ratio Lower Upper

101 100

85 42.9 34.9 52.3

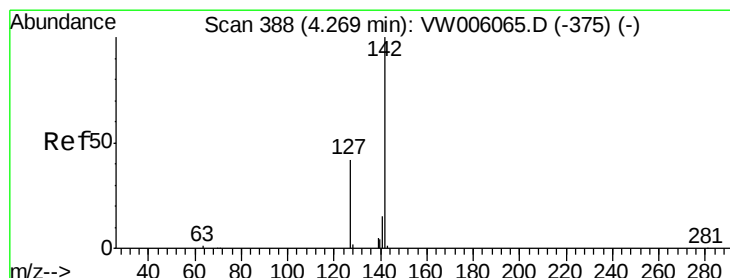
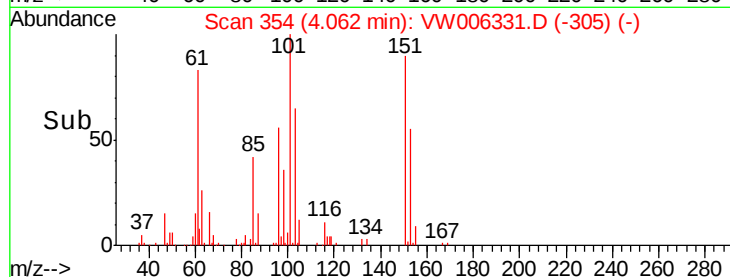
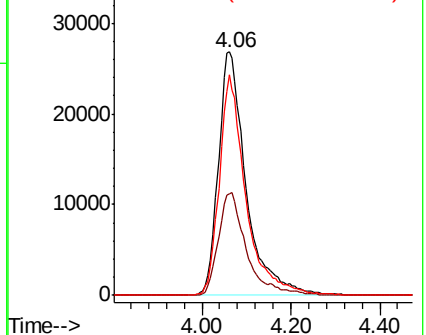
151 86.4 70.4 105.6



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: 55.037 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

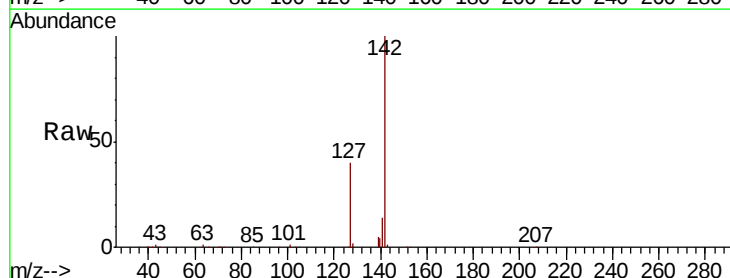
Tgt Ion:142 Resp: 195376

Ion Ratio Lower Upper

142 100

127 41.4 33.6 50.4

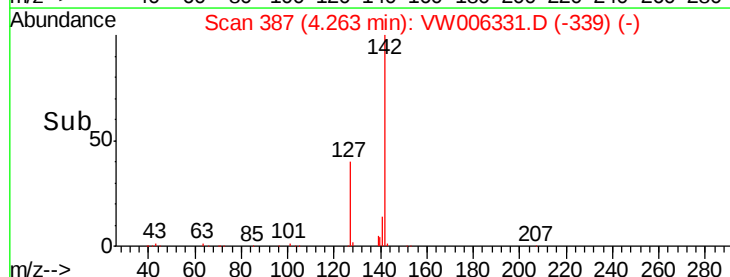
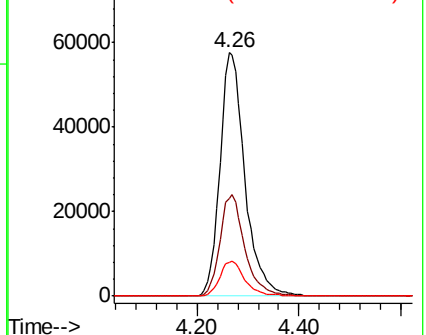
141 14.4 11.6 17.4

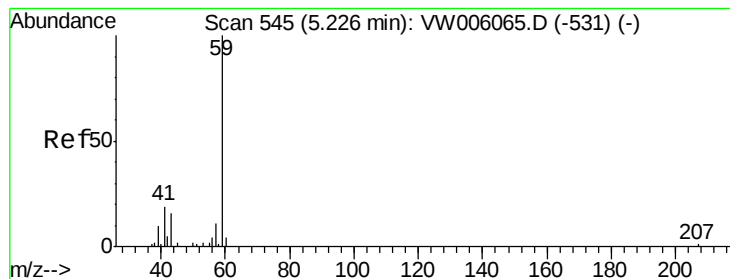


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



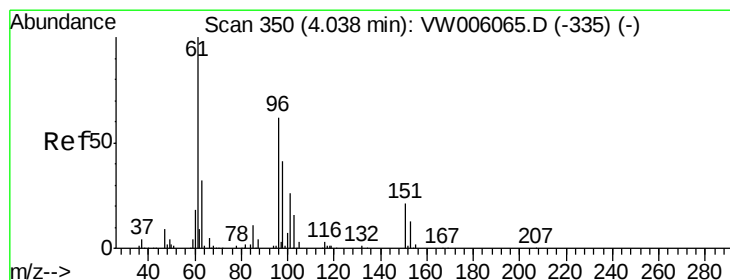
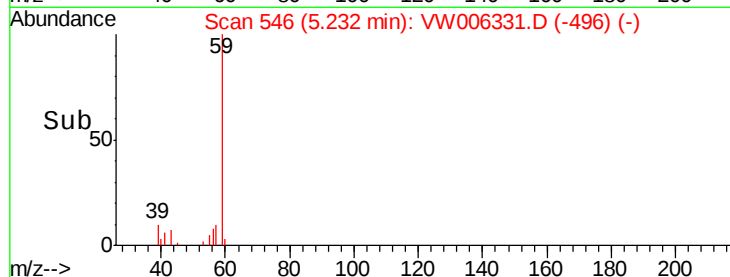
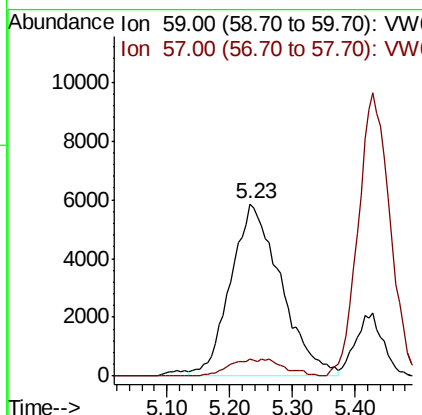
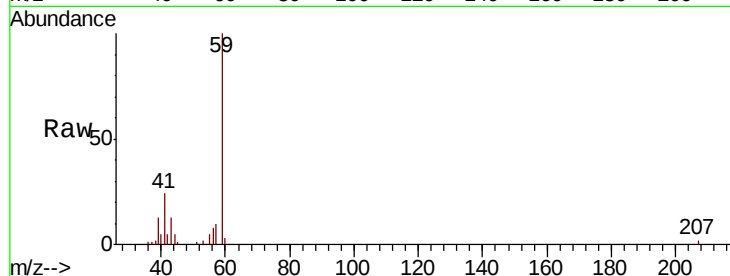


#11

Tert butyl alcohol
 Concen: 243.269 ug/l
 RT: 5.23 min Scan# 546
 Delta R.T. 0.01 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

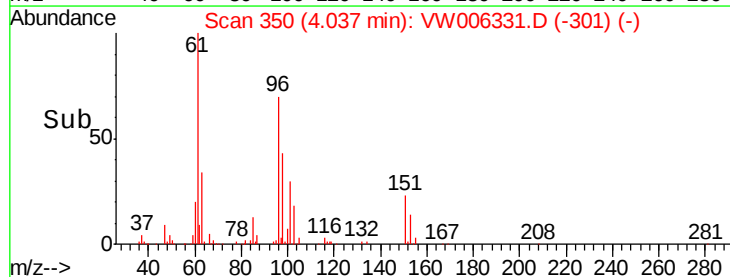
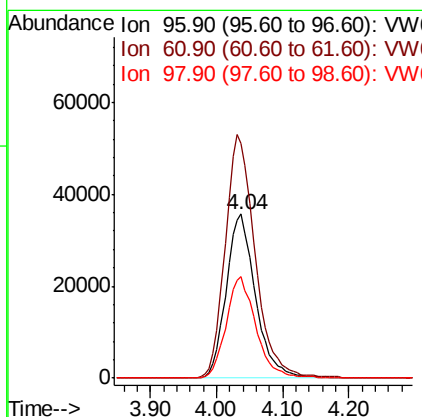
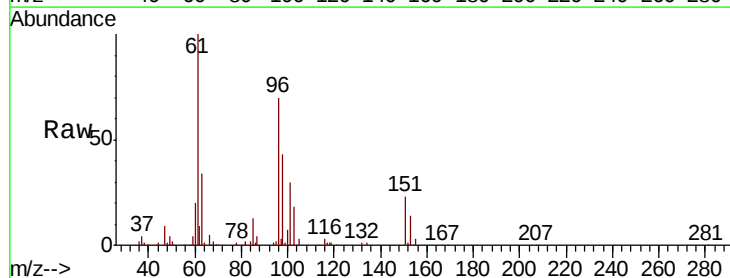
Tot Ion: 59 Resp: 32575
 Ion Ratio Lower Upper
 59 100
 57 5.6 8.7 13.1#

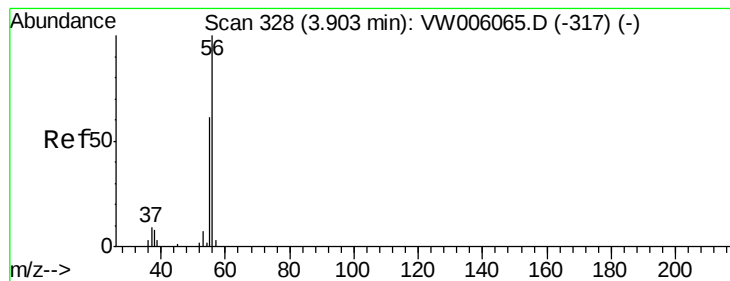


#12

1,1-Dichloroethene
 Concen: 54.615 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion: 96 Resp: 109589
 Ion Ratio Lower Upper
 96 100
 61 143.5 129.3 193.9
 98 62.3 53.1 79.7





#13

Acrolein

Concen: 214.554 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

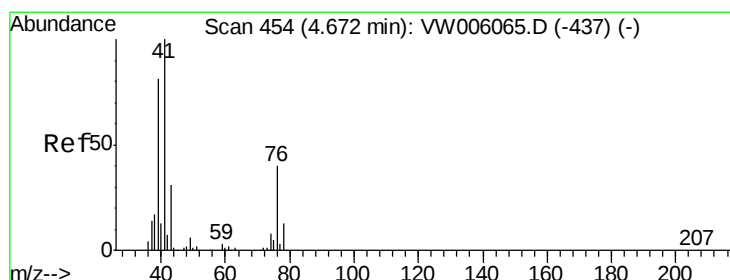
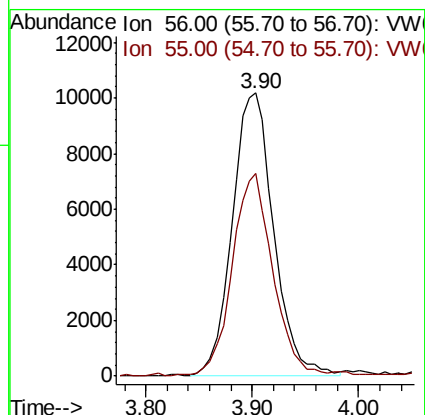
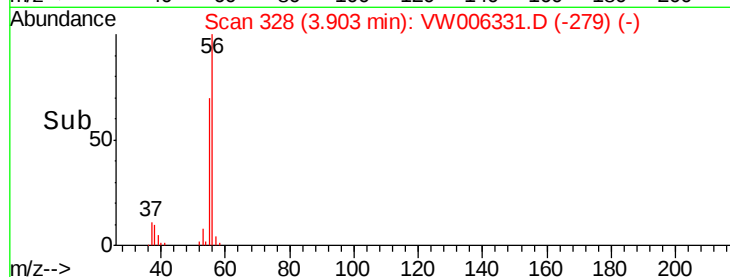
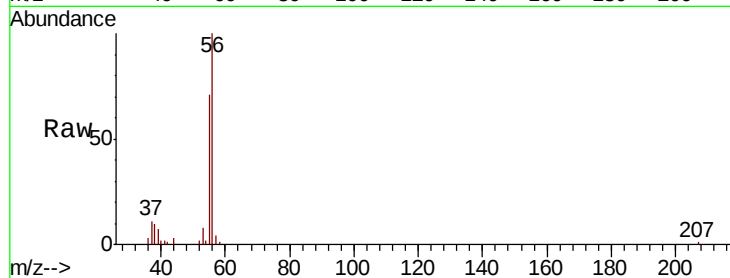
VSTDCCC050

Tot Ion: 56 Resp: 27800

Ion Ratio Lower Upper

56 100

55 70.1 54.5 81.7



#14

Allyl chloride

Concen: 52.138 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

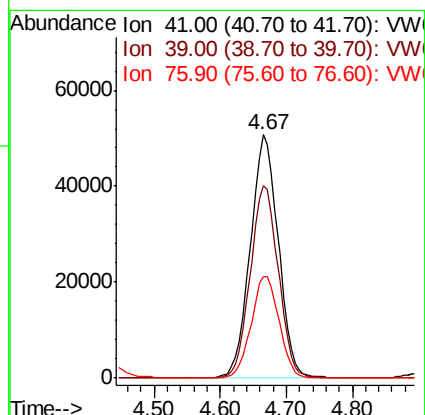
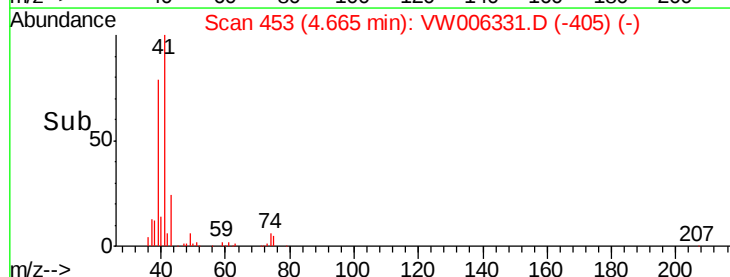
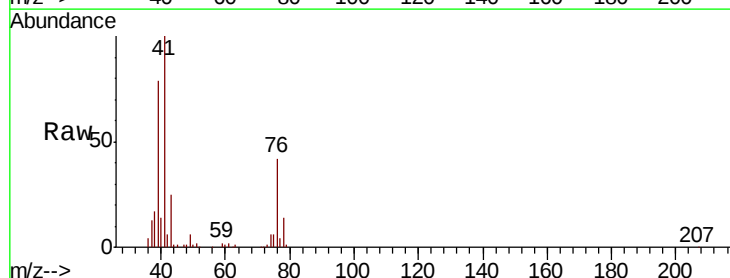
Tgt Ion: 41 Resp: 149589

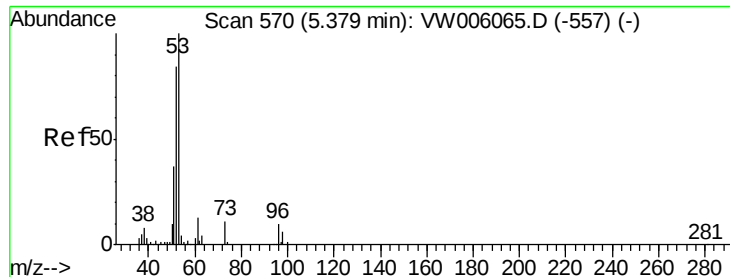
Ion Ratio Lower Upper

41 100

39 79.6 64.1 96.1

76 41.8 32.2 48.4





#15

Acrylonitrile

Concen: 266.290 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

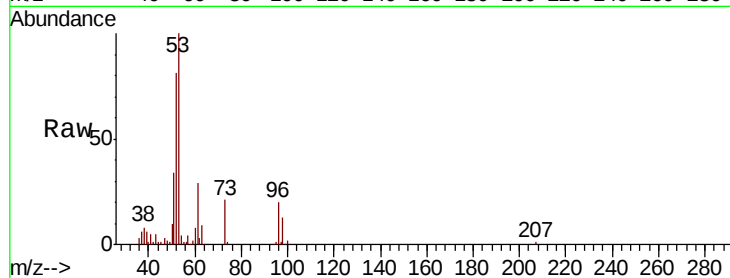
Tot Ion: 53 Resp: 103307

Ion Ratio Lower Upper

53 100

52 83.2 66.9 100.3

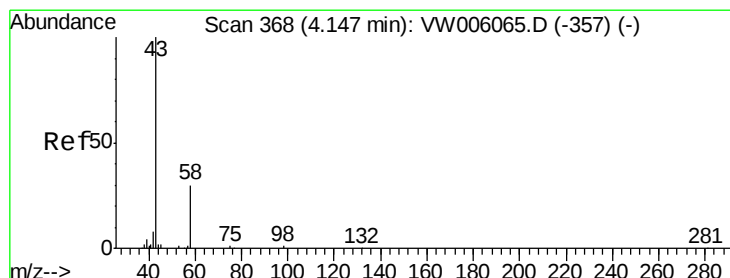
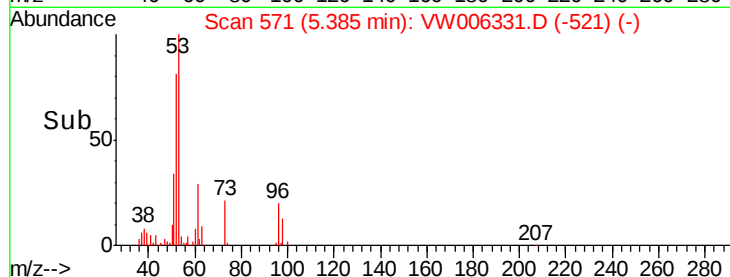
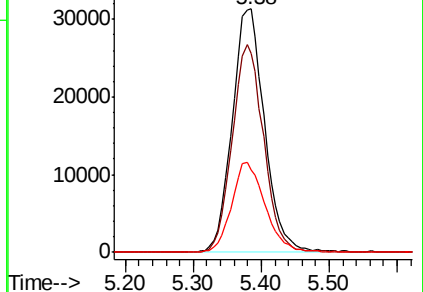
51 38.3 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 277.147 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006331.D

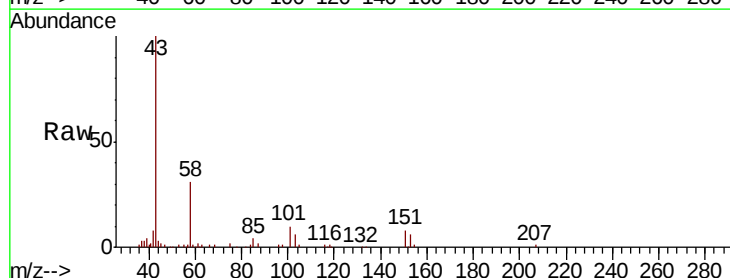
Acq: 24 Oct 2018 22:27

Tgt Ion: 43 Resp: 102922

Ion Ratio Lower Upper

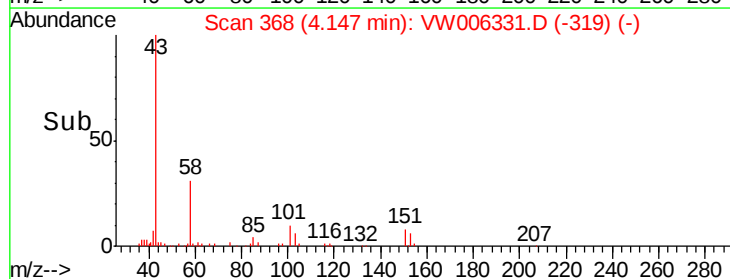
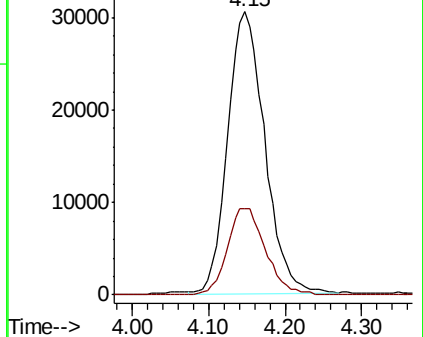
43 100

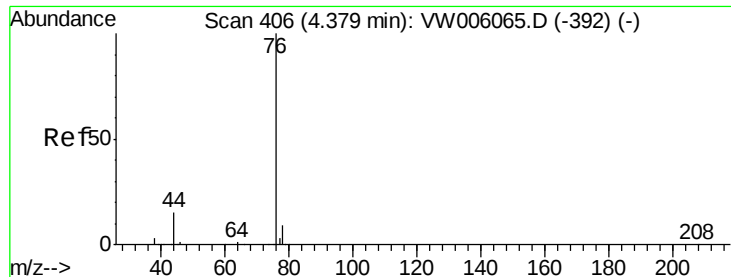
58 30.8 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 50.168 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampled :

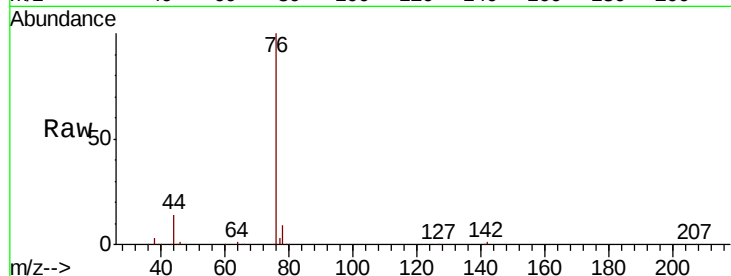
VSTDCCC050

Tot Ion: 76 Resp: 303817

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3



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

4.37

100000

80000

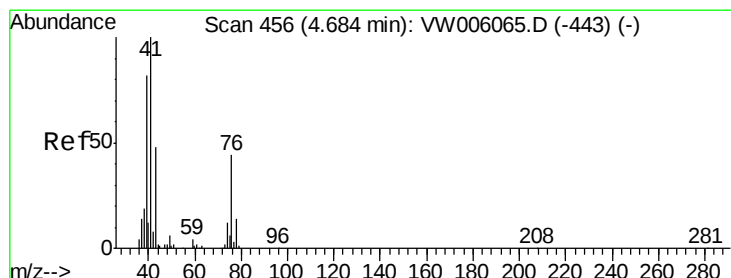
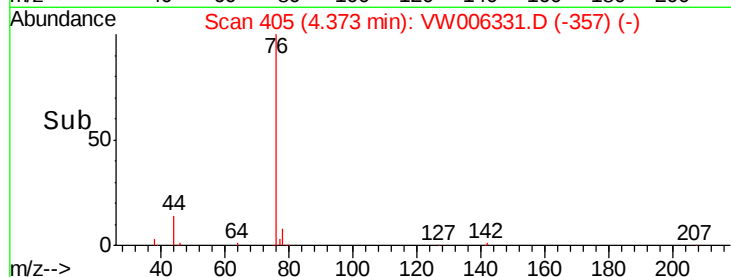
60000

40000

20000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 51.997 ug/l

RT: 4.68 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW006331.D

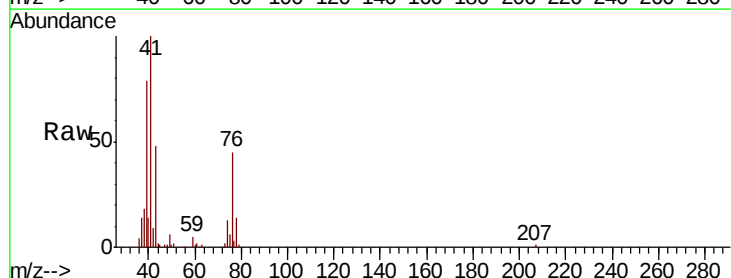
Acq: 24 Oct 2018 22:27

Tgt Ion: 43 Resp: 52099

Ion Ratio Lower Upper

43 100

74 26.2 20.5 30.7



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

4.68

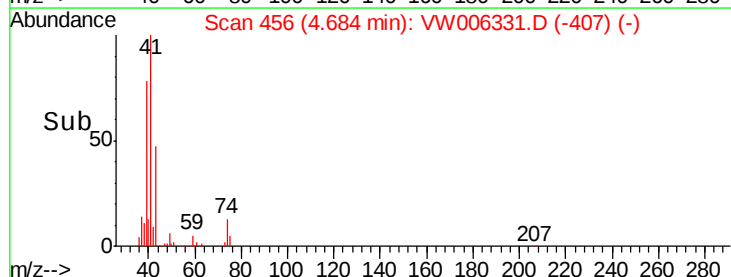
15000

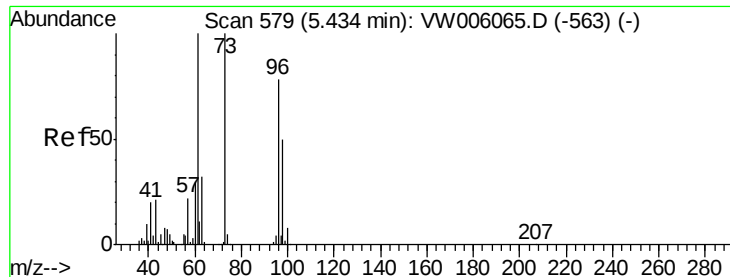
10000

5000

0

Time--> 4.50 4.60 4.70 4.80 4.90



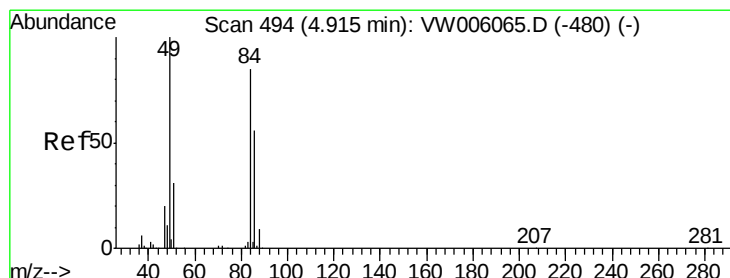
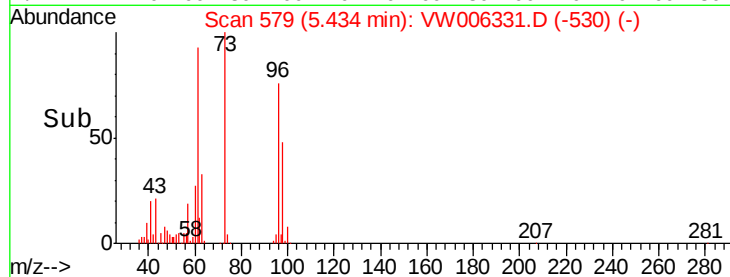
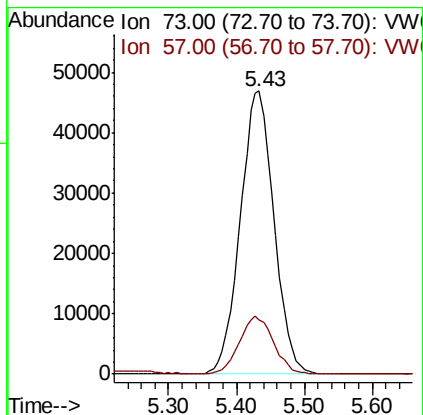
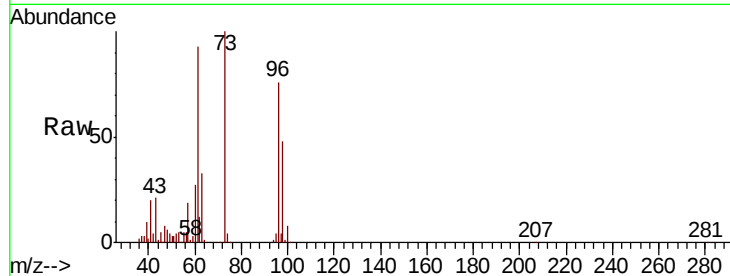


#19

Methyl tert-butyl Ether
 Concen: 52.836 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

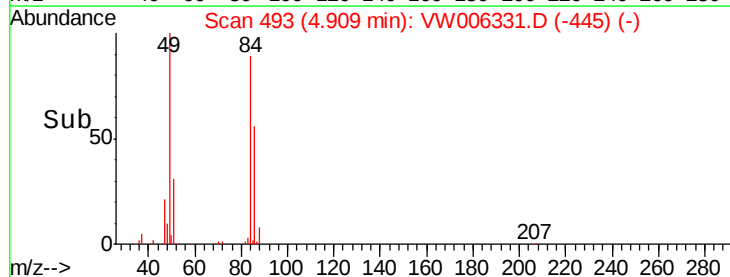
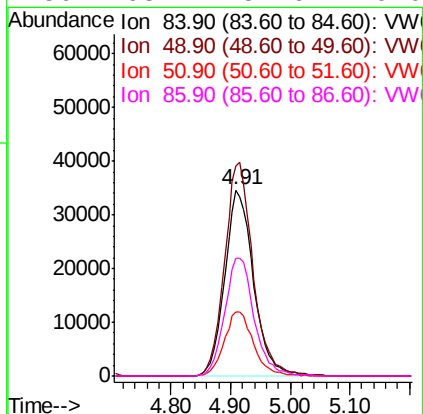
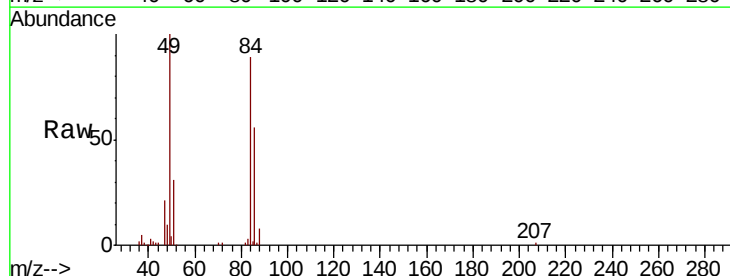
Tot Ion: 73 Resp: 161480
 Ion Ratio Lower Upper
 73 100
 57 19.0 17.4 26.2

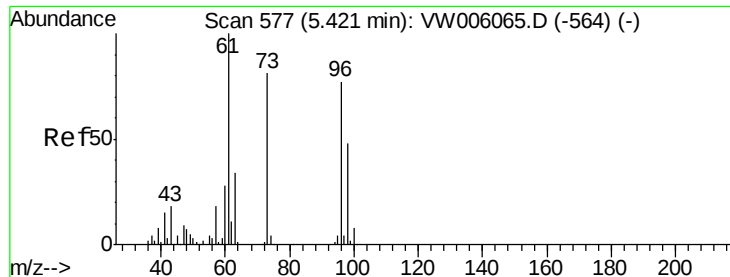


#20

Methylene Chloride
 Concen: 55.147 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion: 84 Resp: 115827
 Ion Ratio Lower Upper
 84 100
 49 112.8 93.6 140.4
 51 34.5 29.0 43.4
 86 63.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 55.160 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

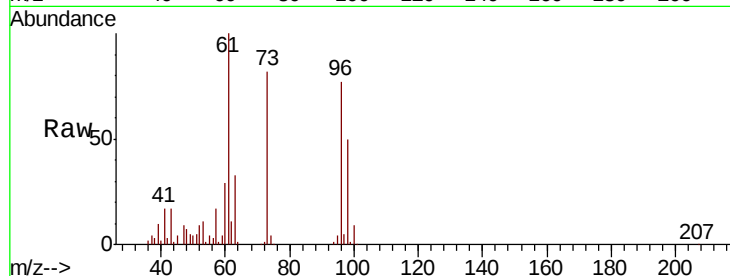
Tot Ion: 96 Resp: 123543

Ion Ratio Lower Upper

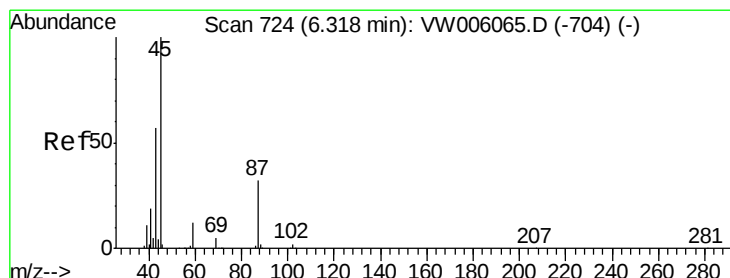
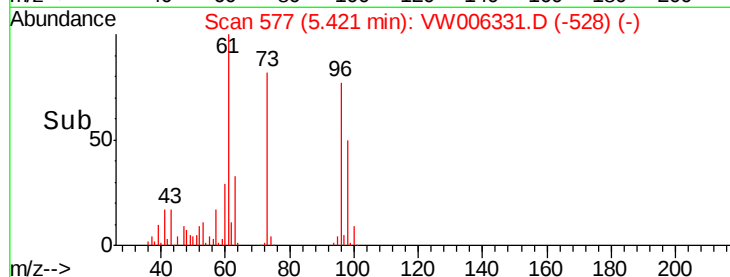
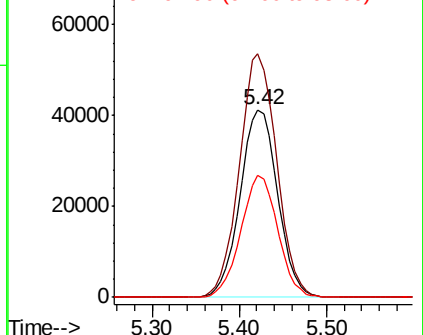
96 100

61 129.6 104.5 156.7

98 64.8 50.6 75.8



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



#22

Diisopropyl ether

Concen: 54.626 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Tgt Ion: 45 Resp: 309716

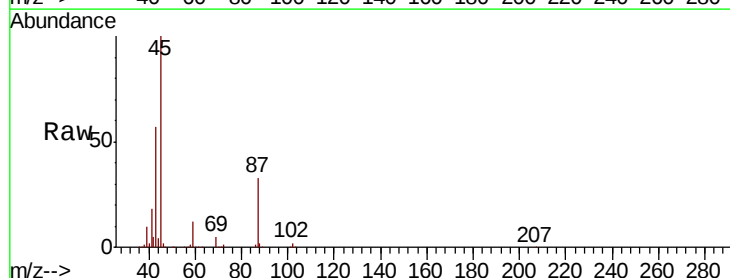
Ion Ratio Lower Upper

45 100

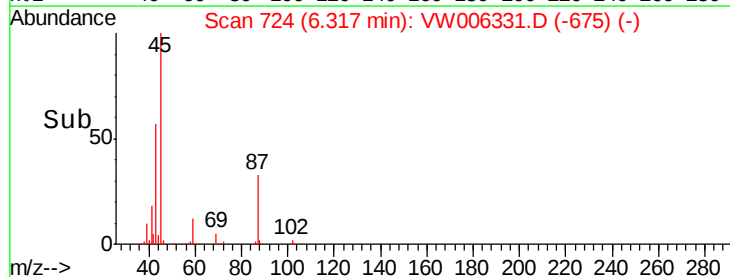
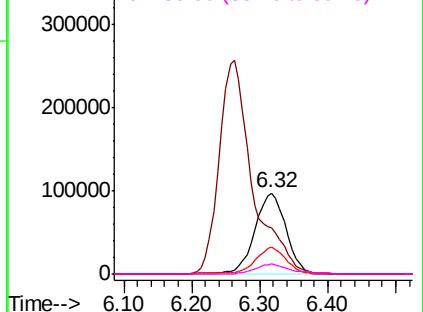
43 56.9 45.7 68.5

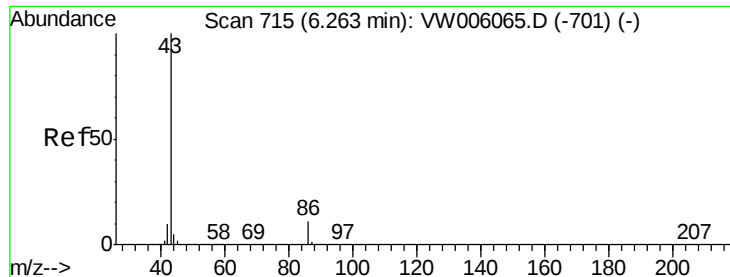
87 33.3 25.9 38.9

59 12.1 9.6 14.4



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





#23

Vinyl Acetate

Concen: 260.843 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

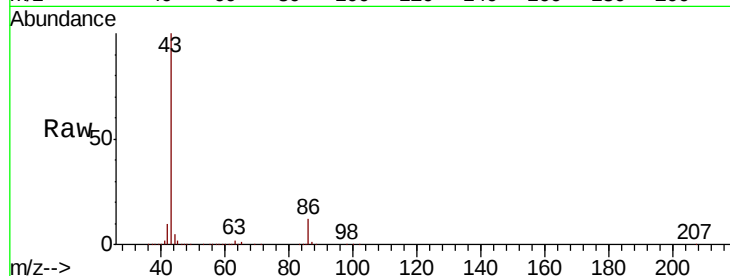
VSTDCCC050

Tot Ion: 43 Resp: 872787

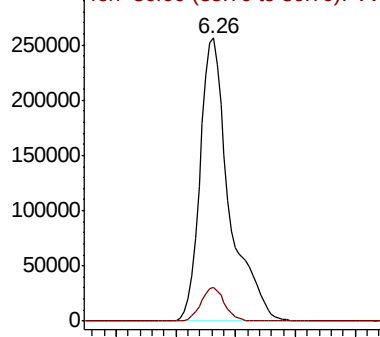
Ion Ratio Lower Upper

43 100

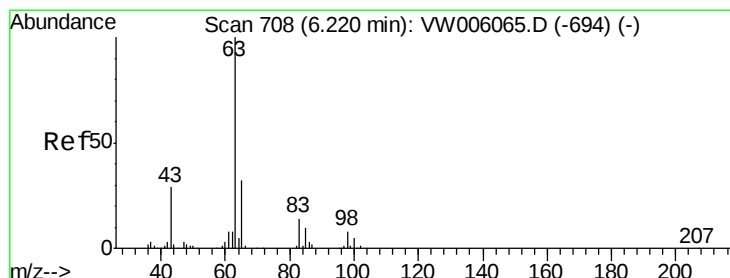
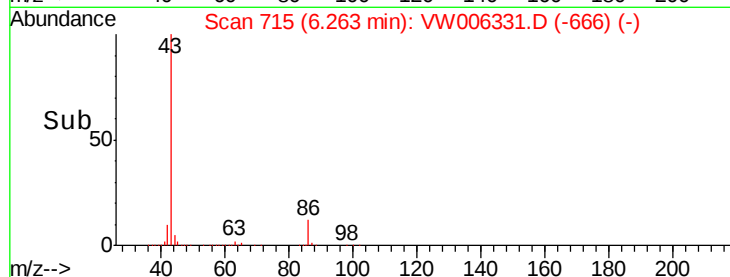
86 12.1 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 56.085 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

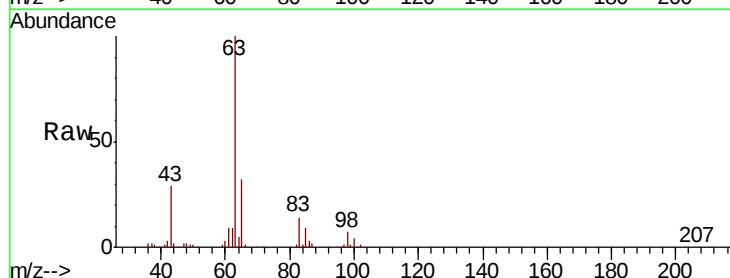
Tgt Ion: 63 Resp: 205185

Ion Ratio Lower Upper

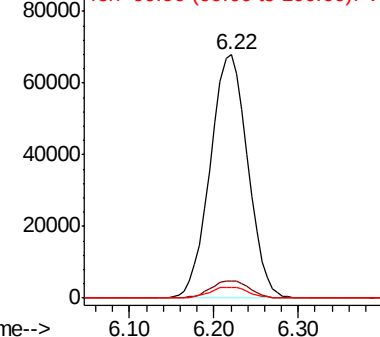
63 100

98 7.0 3.8 11.2

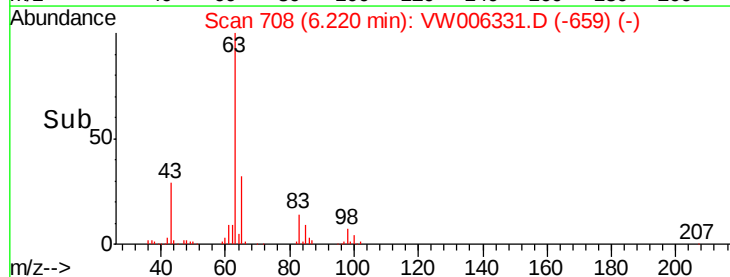
100 4.5 2.5 7.5

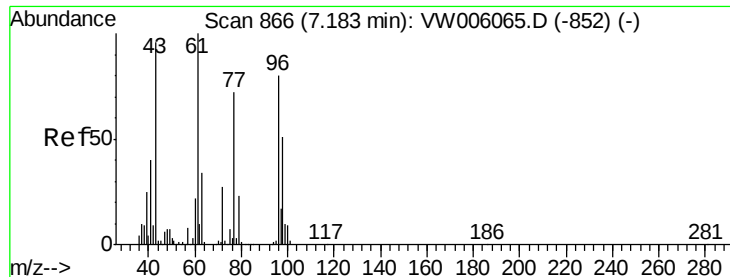


Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 259.258 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

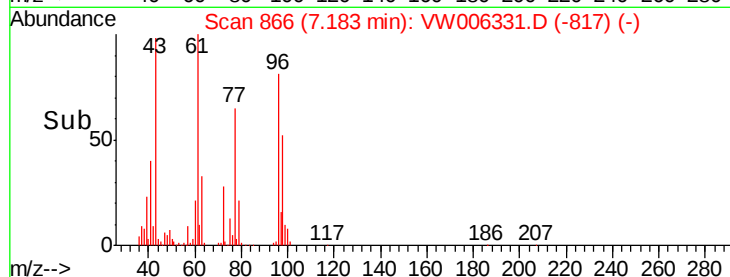
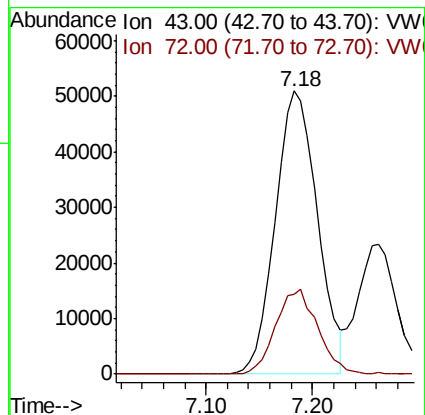
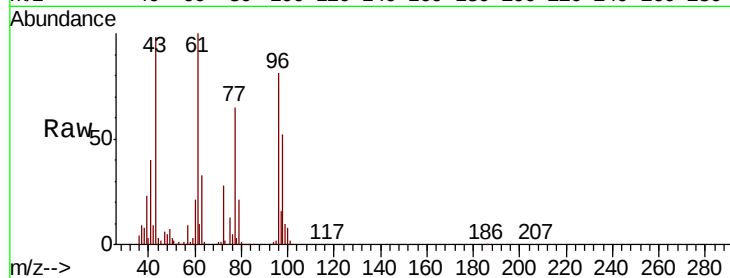
VSTDCCC050

Tot Ion: 43 Resp: 139448

Ion Ratio Lower Upper

43 100

72 28.2 22.8 34.2



#26

2,2-Dichloropropane

Concen: 49.641 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006331.D

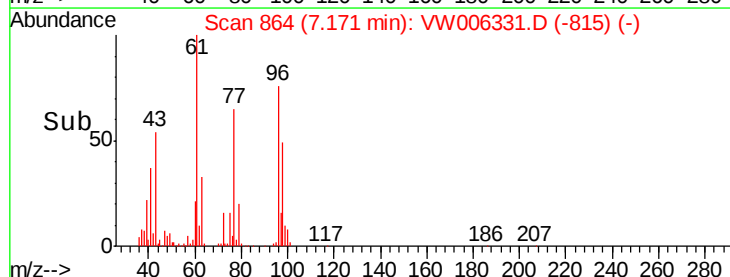
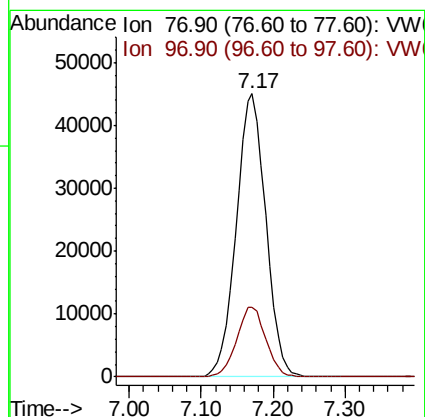
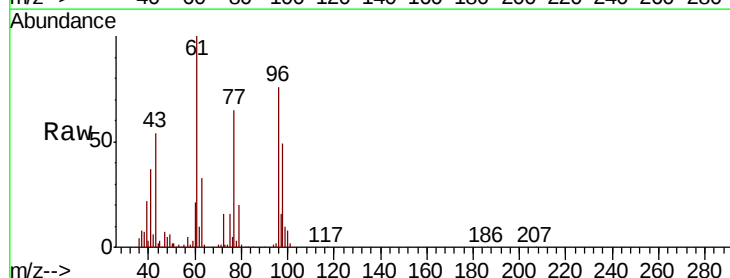
Acq: 24 Oct 2018 22:27

Tgt Ion: 77 Resp: 128088

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.4



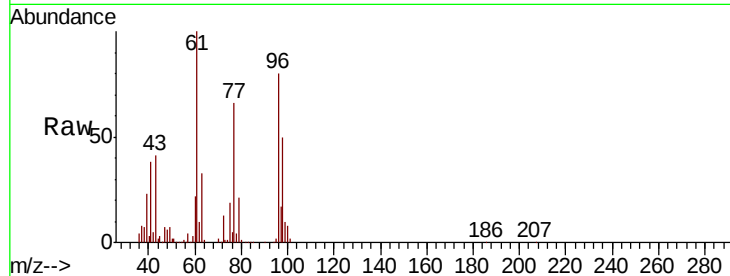


#27

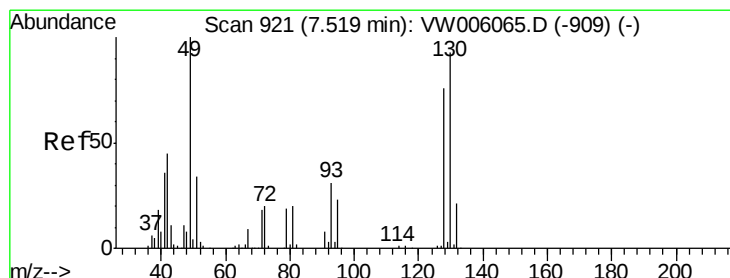
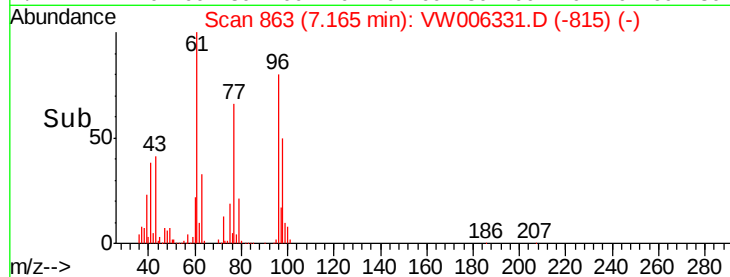
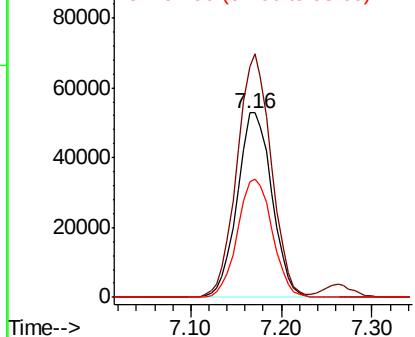
cis-1,2-Dichloroethene
Concen: 56.653 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	0.0	267.2
98	64.4	0.0	128.6



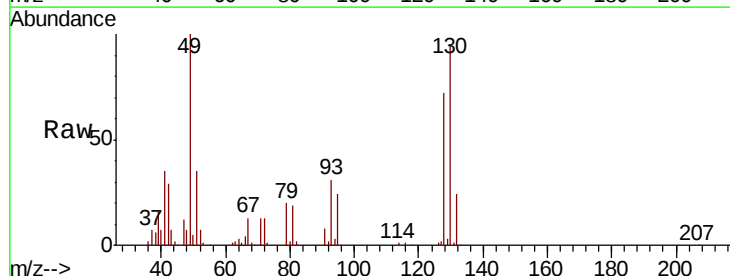
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



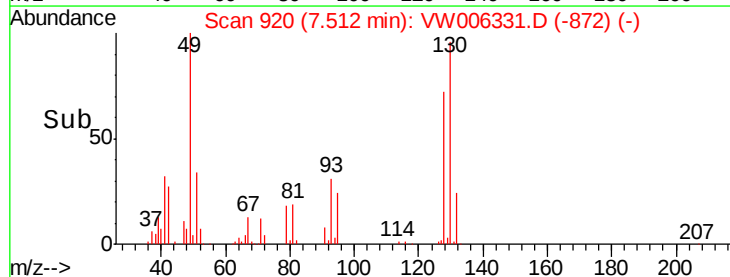
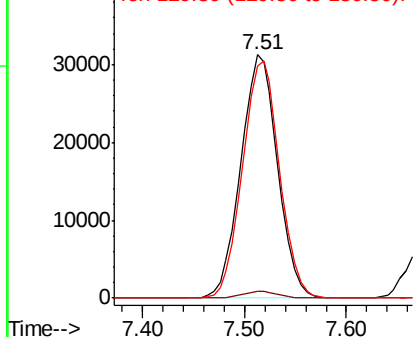
#28

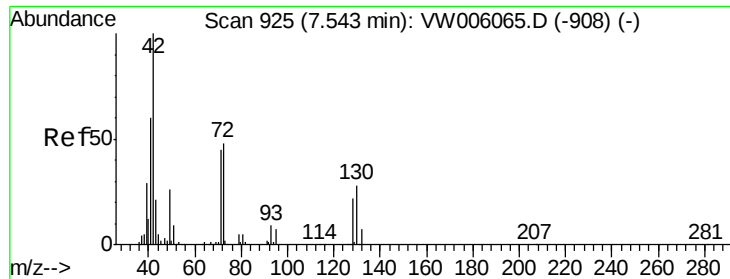
Bromochloromethane
Concen: 55.506 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.0
130	97.7	73.8	110.8



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

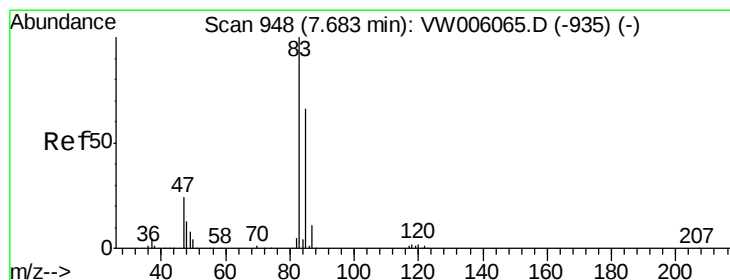
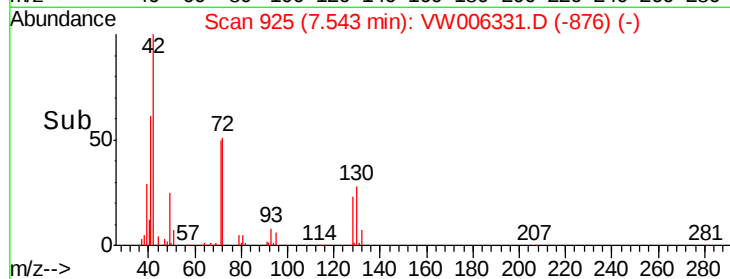
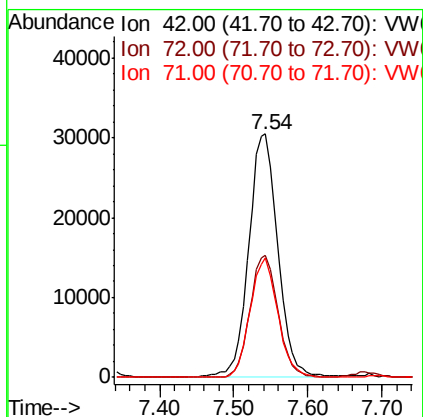
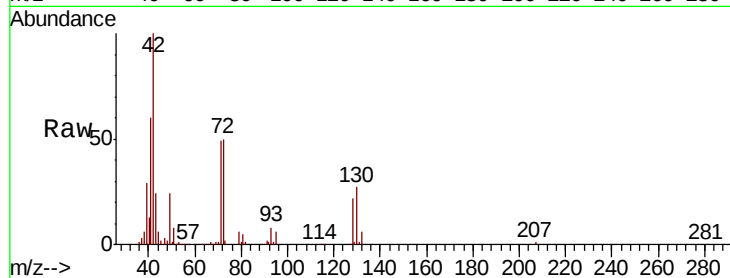




#29
Tetrahydrofuran
Concen: 253.483 ug/l
RT: 7.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

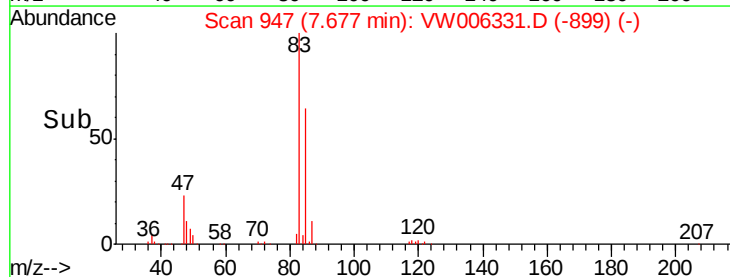
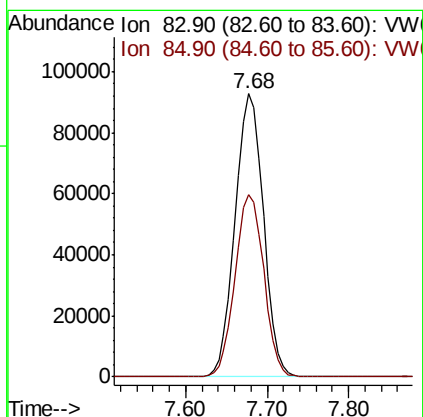
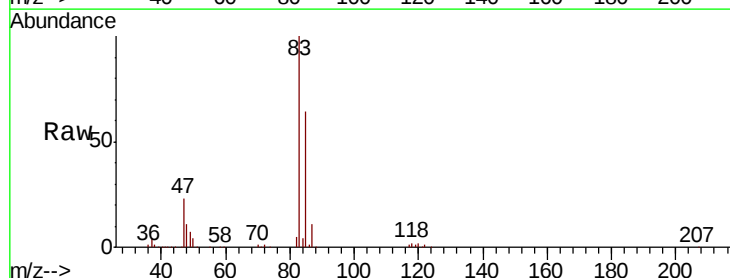
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

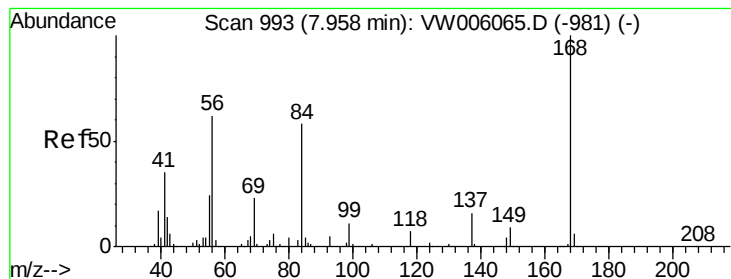
Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	38.0	57.0
71	46.5	35.3	52.9



#30
Chloroform
Concen: 56.054 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	79.0





#31

Cyclohexane

Concen: 48.975 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

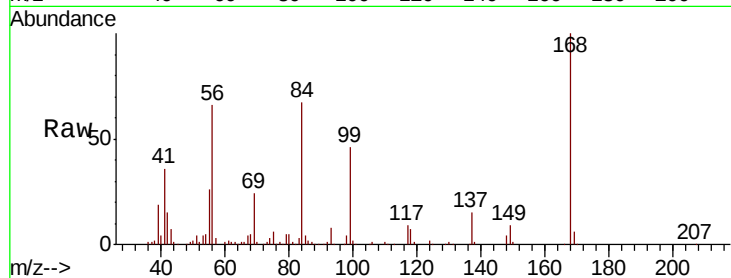
Tot Ion: 56 Resp: 178431

Ion Ratio Lower Upper

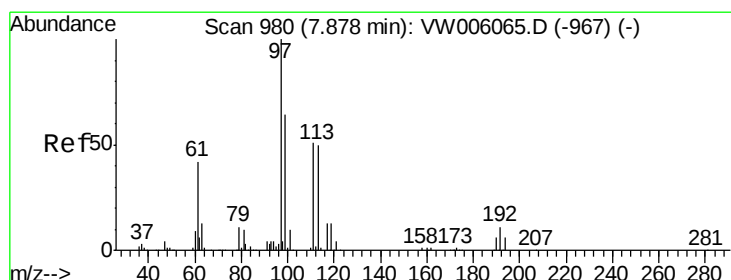
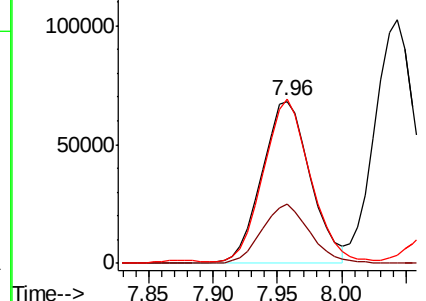
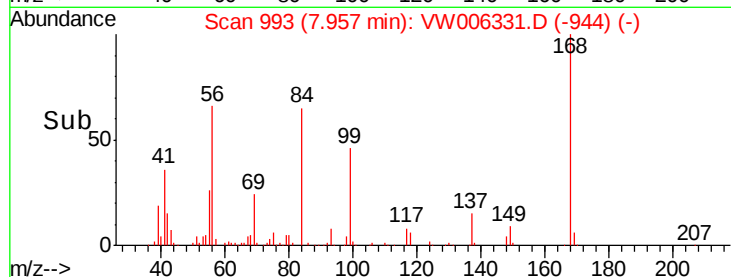
56 100

69 36.3 29.4 44.0

84 99.5 74.0 111.0



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: 54.100 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

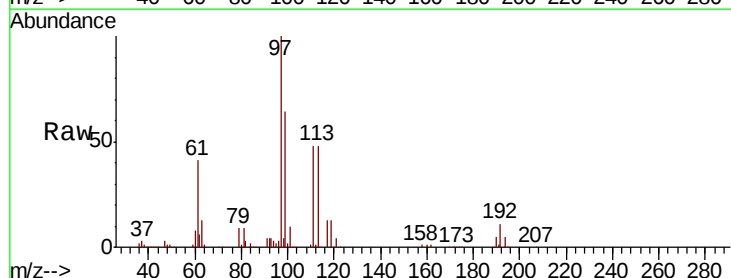
Tgt Ion: 97 Resp: 194517

Ion Ratio Lower Upper

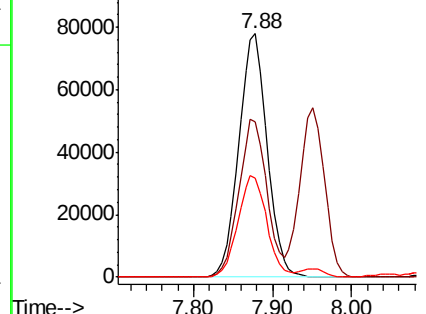
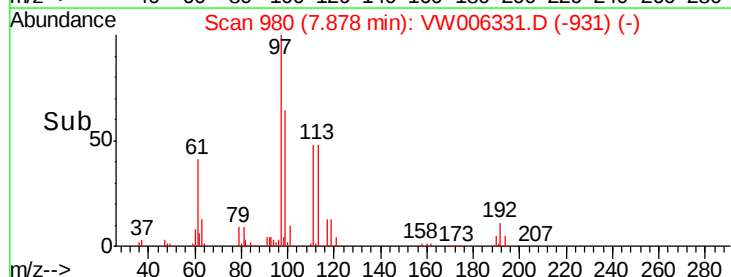
97 100

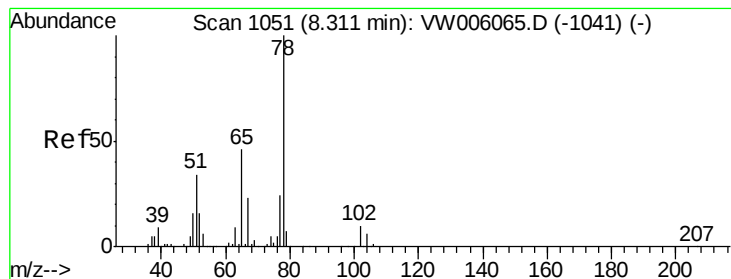
99 64.5 50.9 76.3

61 42.5 33.7 50.5



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: 48.629 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

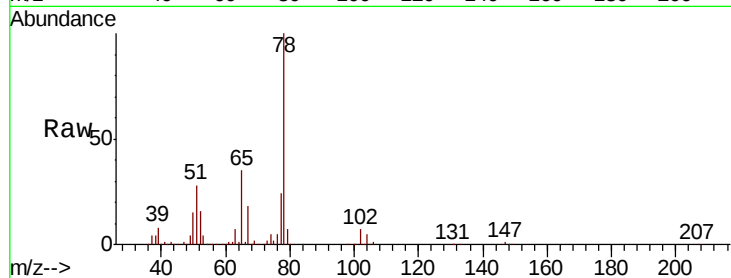
VSTDCCC050

Tot Ion: 65 Resp: 96822

Ion Ratio Lower Upper

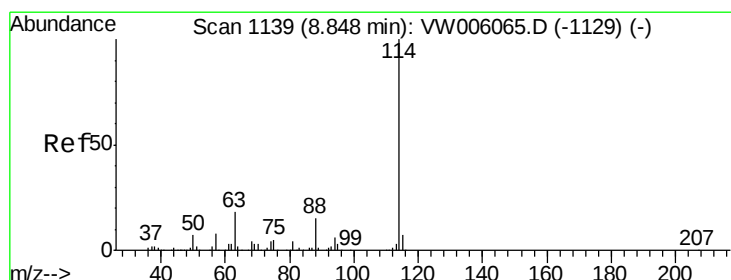
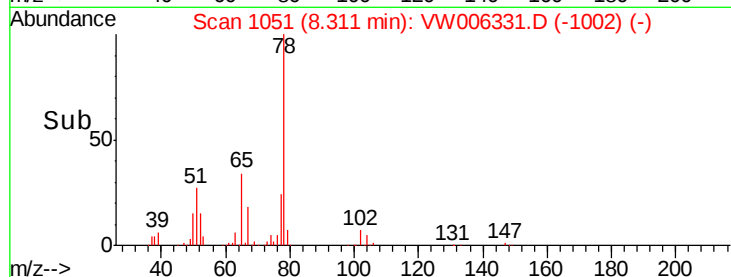
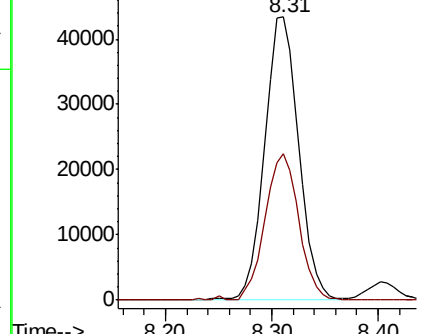
65 100

67 51.2 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

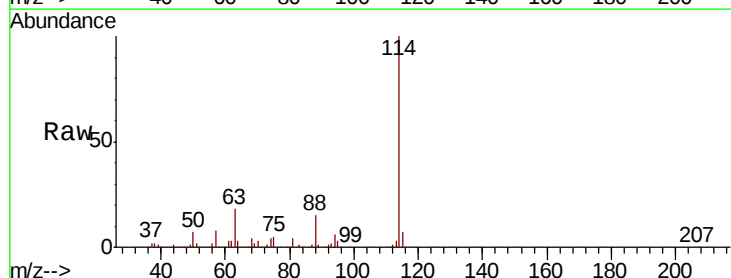
Tgt Ion: 114 Resp: 346912

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.8

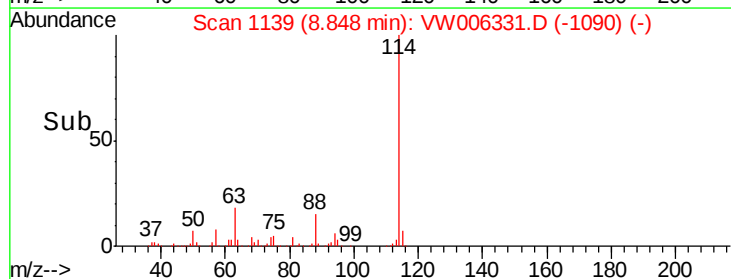
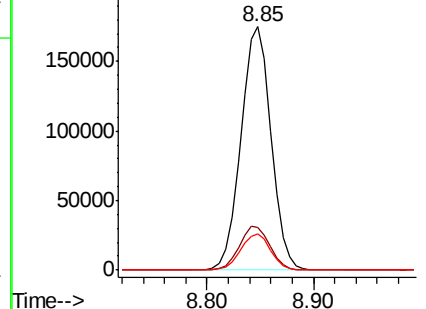
88 14.7 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

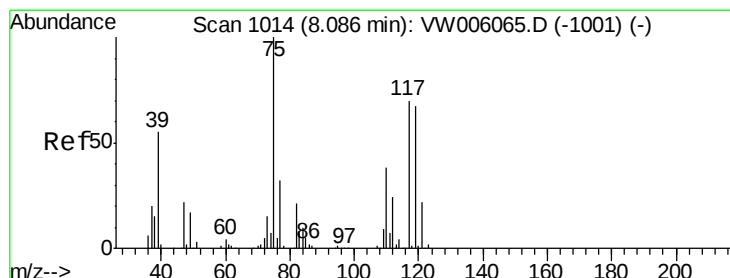
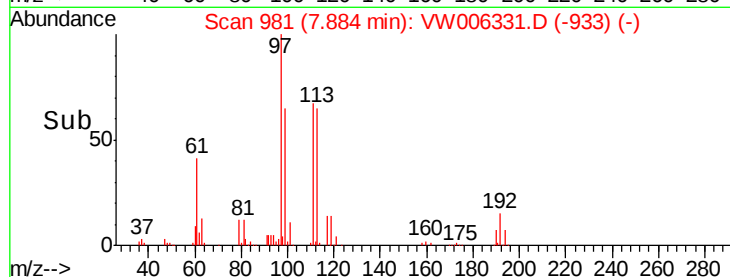
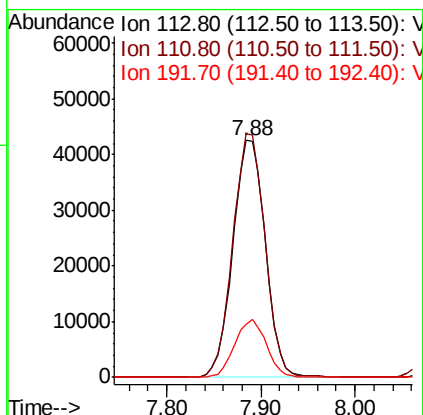
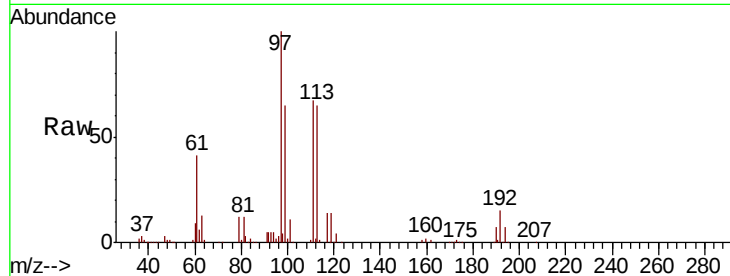




#35
 Dibromofluoromethane
 Concen: 49.946 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

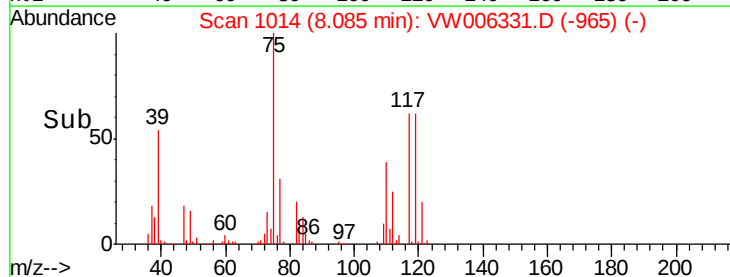
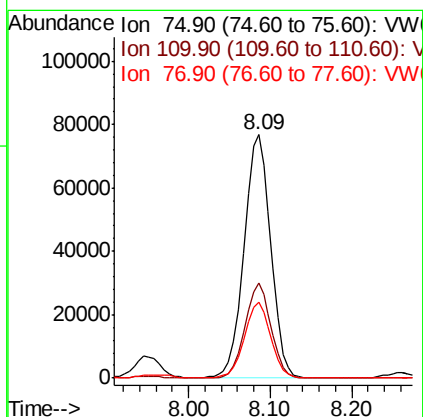
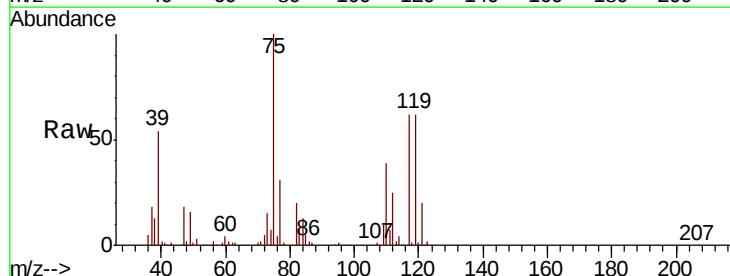
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

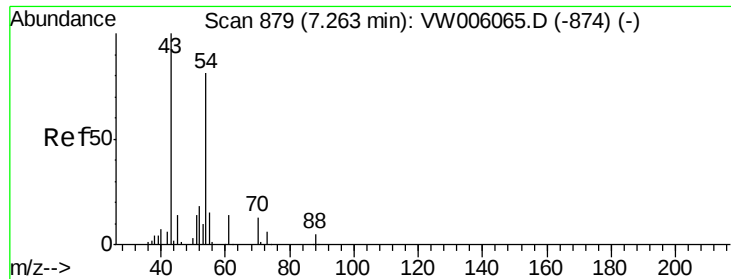
Tot Ion:113 Resp: 102384
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.4 122.0
 192 23.5 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 54.565 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion: 75 Resp: 174476
 Ion Ratio Lower Upper
 75 100
 110 37.9 19.1 57.1
 77 30.7 25.0 37.4

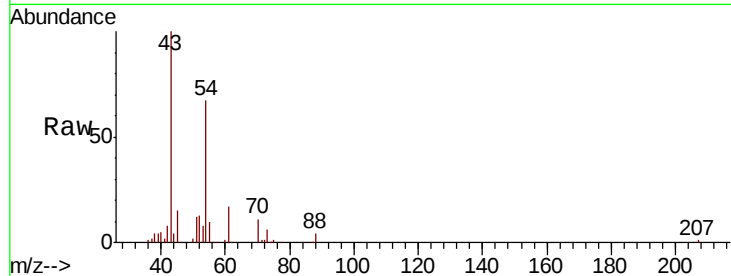




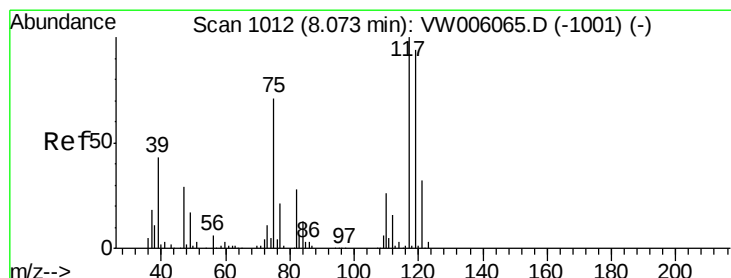
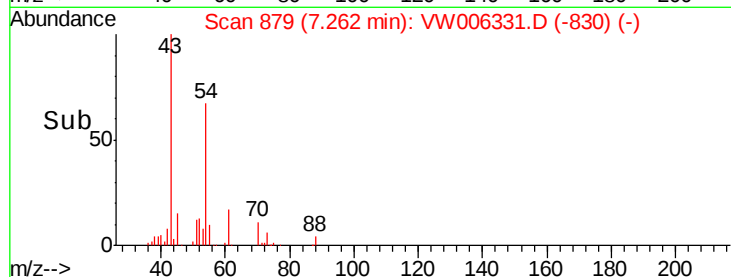
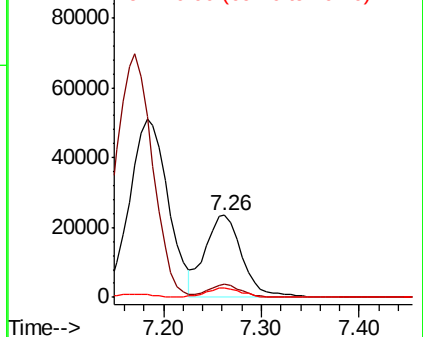
#37
Ethyl Acetate
Concen: 51.645 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 61355
Ion Ratio Lower Upper
43 100
61 15.0 11.5 17.3
70 10.9 9.2 13.8

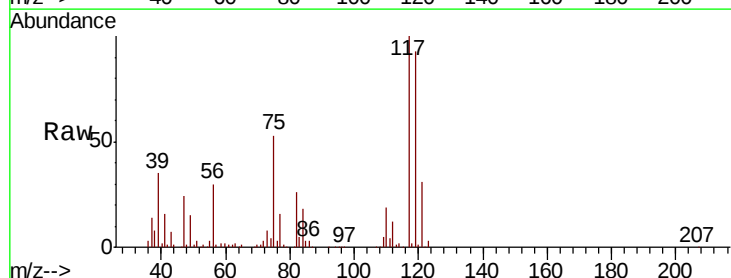


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

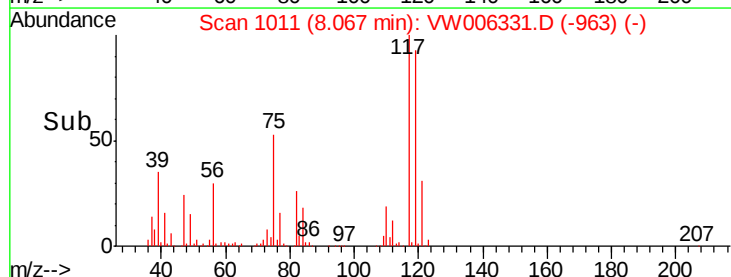
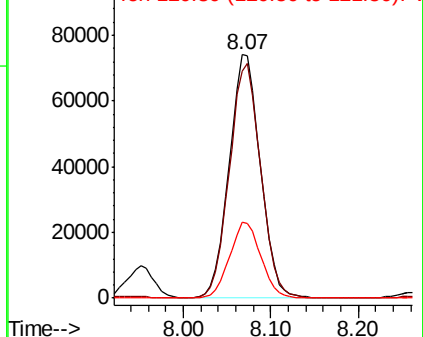


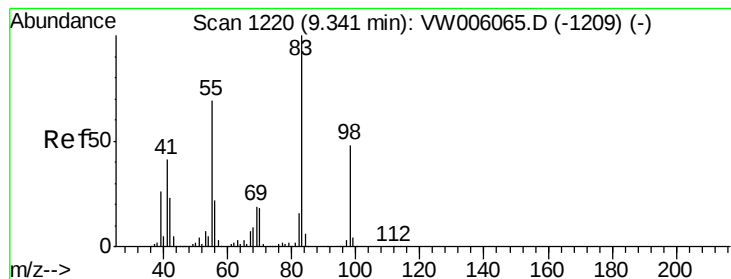
#38
Carbon Tetrachloride
Concen: 52.384 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion: 117 Resp: 183621
Ion Ratio Lower Upper
117 100
119 93.4 75.2 112.8
121 31.2 25.3 37.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 52.726 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

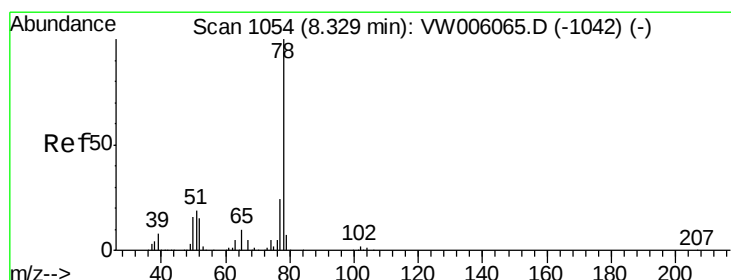
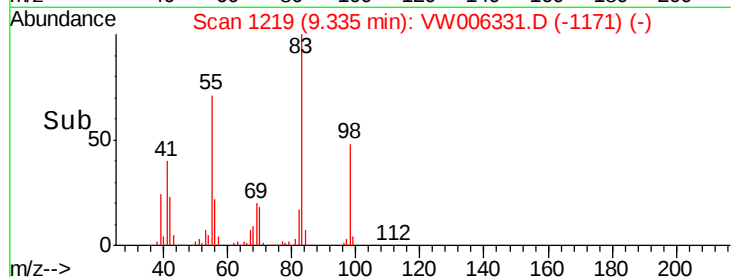
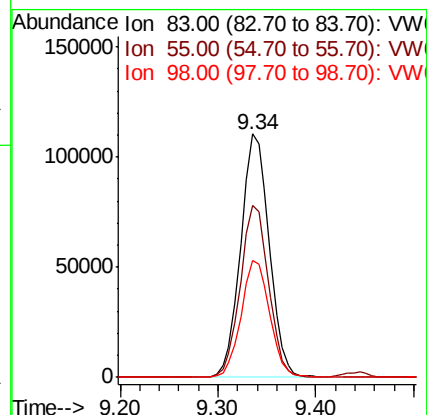
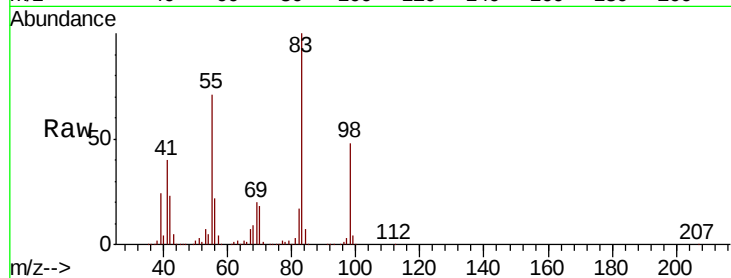
Tot Ion: 83 Resp: 224107

Ion	Ratio	Lower	Upper
83	100		
55	70.6	55.0	82.6
98	47.9	38.6	57.8

83 100

55 70.6 55.0 82.6

98 47.9 38.6 57.8



#40

Benzene

Concen: 55.819 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW006331.D

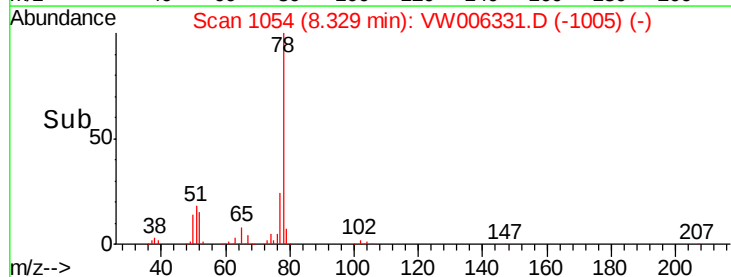
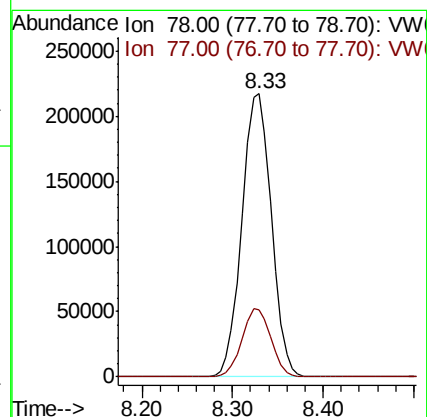
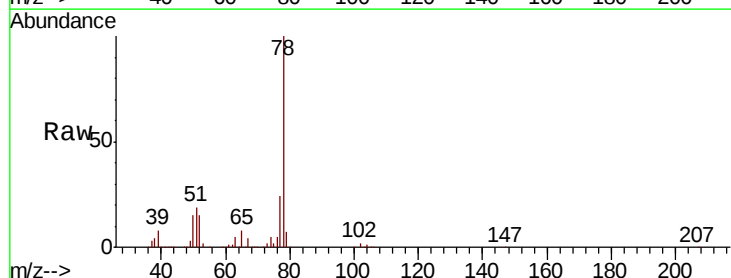
Acq: 24 Oct 2018 22:27

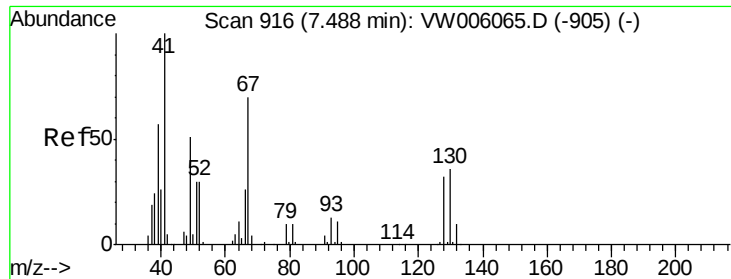
Tgt Ion: 78 Resp: 489596

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0

78 100

77 23.7 19.4 29.0

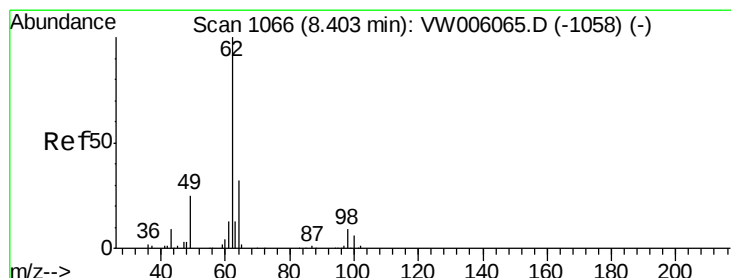
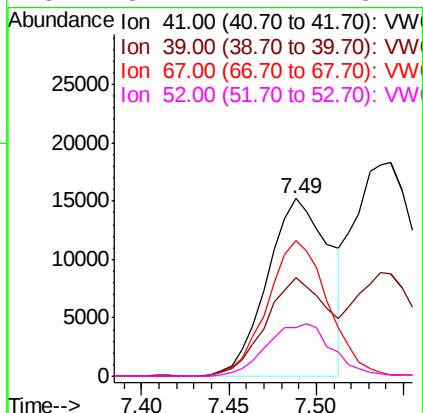
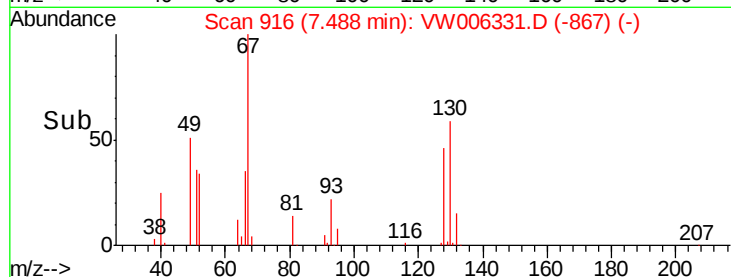
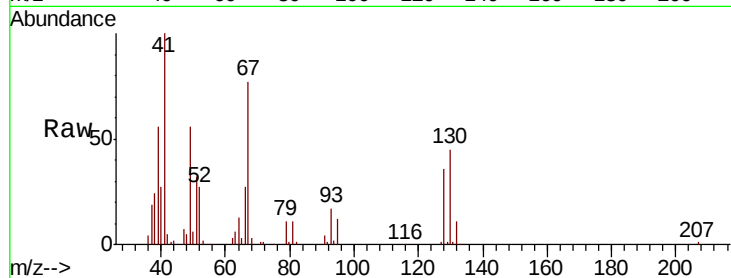




#41
Methacrylonitrile
Concen: 53.143 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

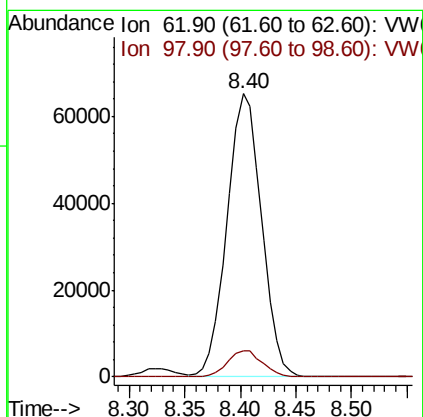
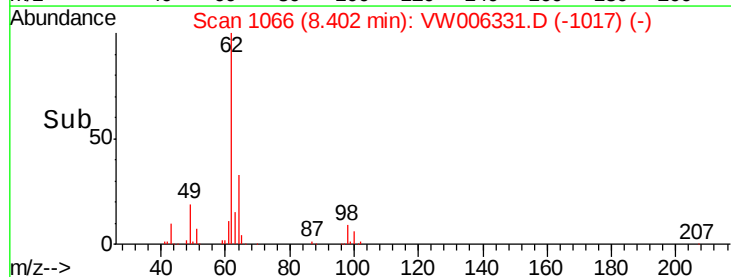
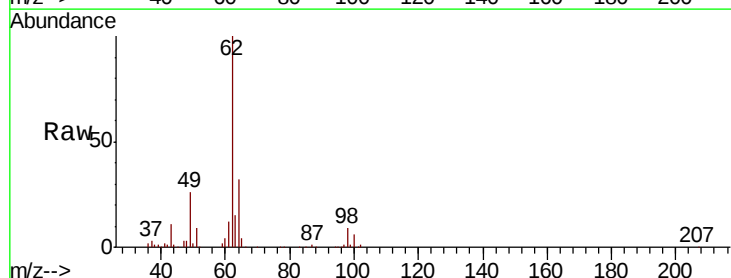
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

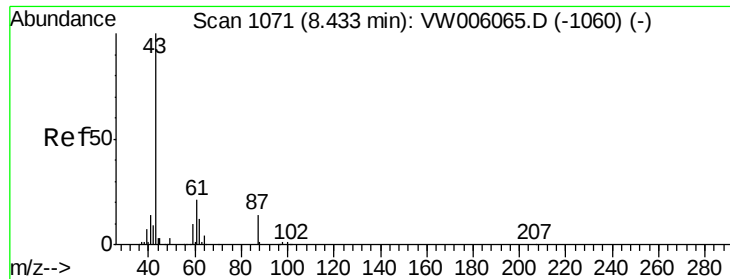
Tot Ion: 41 Resp: 38060
Ion Ratio Lower Upper
41 100
39 54.6 46.2 69.4
67 74.3 57.7 86.5
52 31.2 24.7 37.1



#42
1,2-Dichloroethane
Concen: 54.514 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion: 62 Resp: 140480
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.4

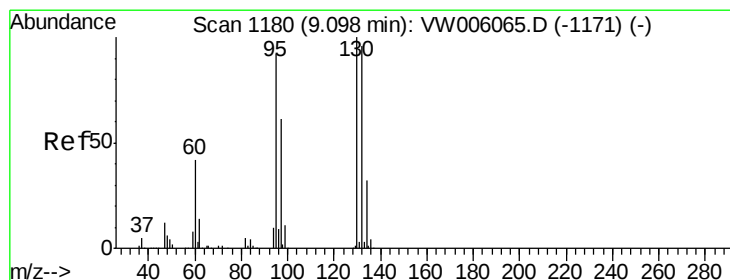
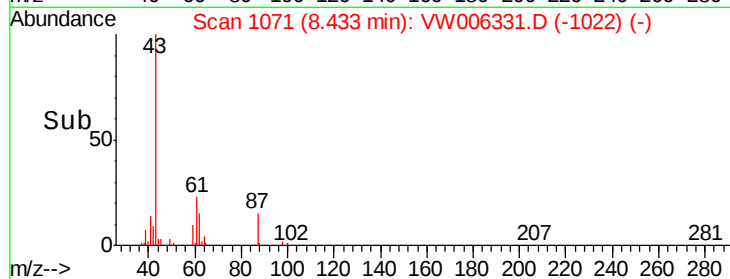
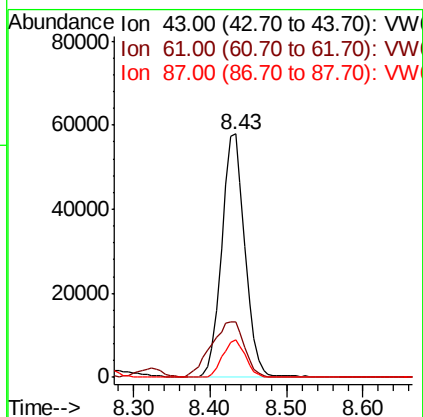
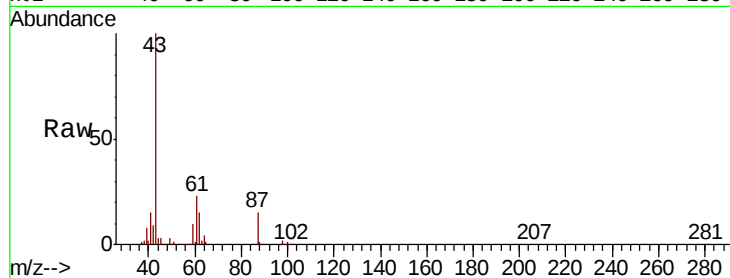




#43
Isopropyl Acetate
Concen: 49.721 ug/l
RT: 8.43 min Scan# 1071
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

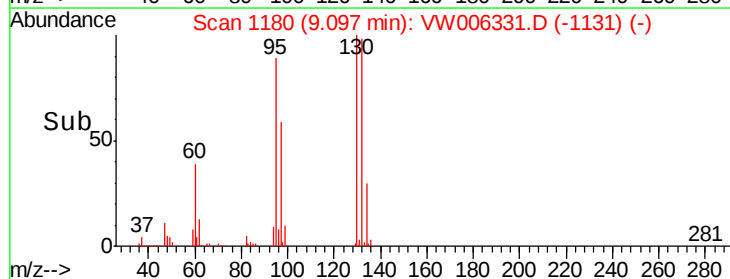
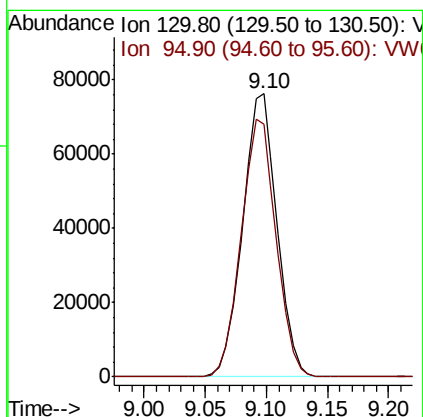
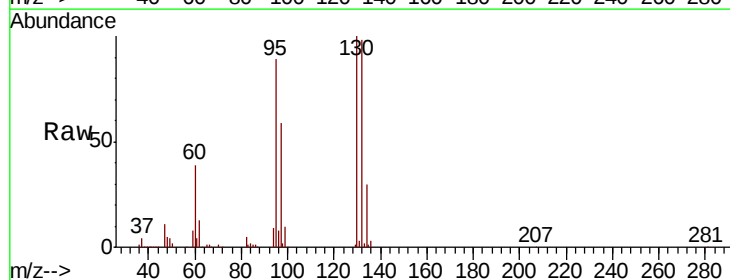
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	120776
Ion Ratio	Lower	Upper	
43	100		
61	32.9	25.5	38.3
87	15.2	11.7	17.5



#44
Trichloroethene
Concen: 55.157 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion	130	Resp	148426
Ion Ratio	Lower	Upper	
130	100		
95	89.1	0.0	183.2

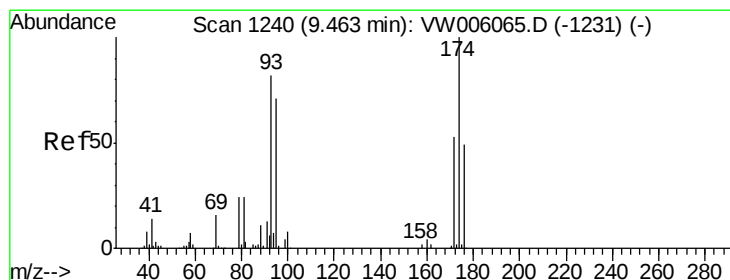
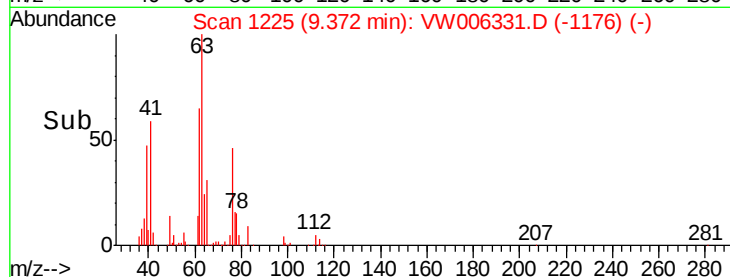
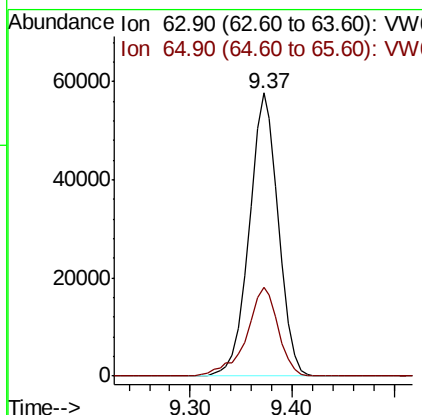
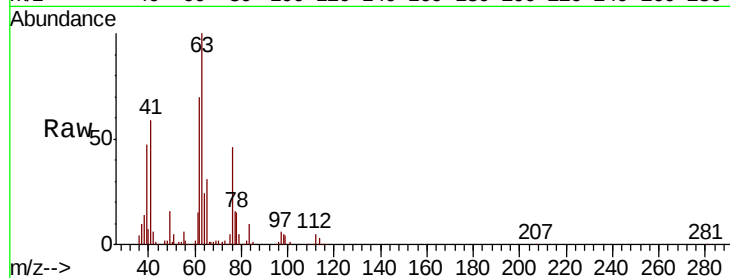




#45
 1,2-Dichloropropane
 Concen: 54.448 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

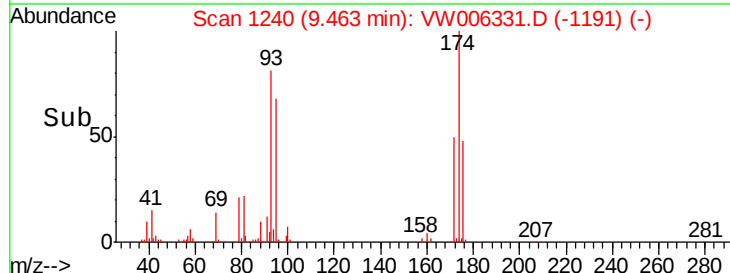
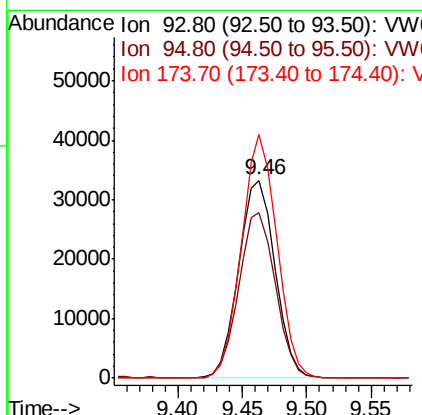
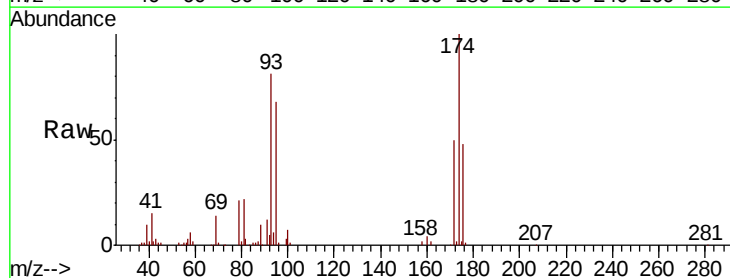
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 114279
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.4 38.0



#46
 Dibromomethane
 Concen: 54.427 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion: 93 Resp: 65109
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.7 101.5
 174 119.7 93.7 140.5





#47

Bromodichloromethane

Concen: 54.167 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

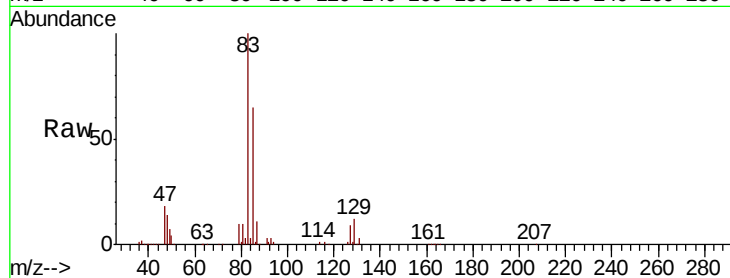
Tot Ion: 83 Resp: 157098

Ion Ratio Lower Upper

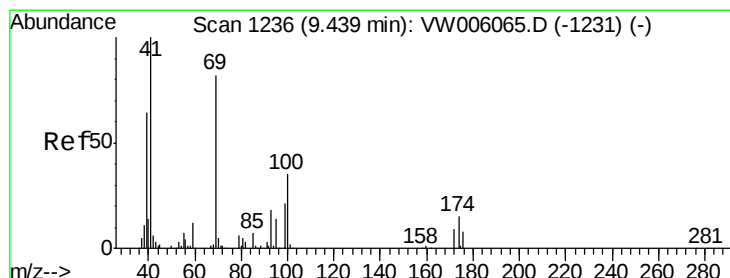
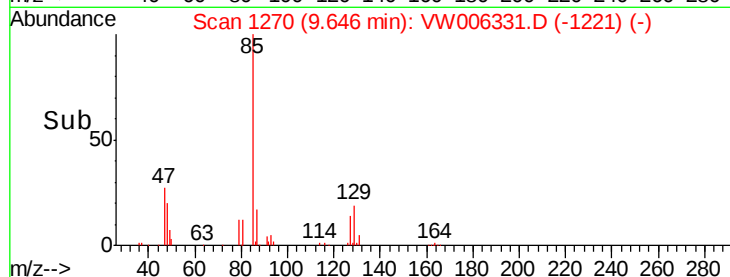
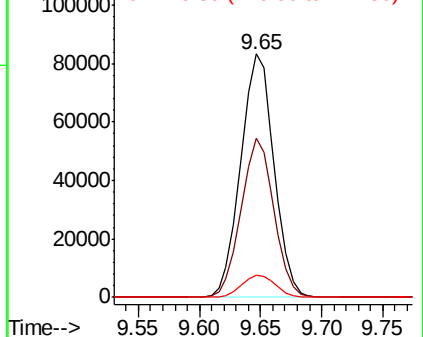
83 100

85 65.4 51.8 77.8

127 9.2 6.9 10.3



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: 50.944 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

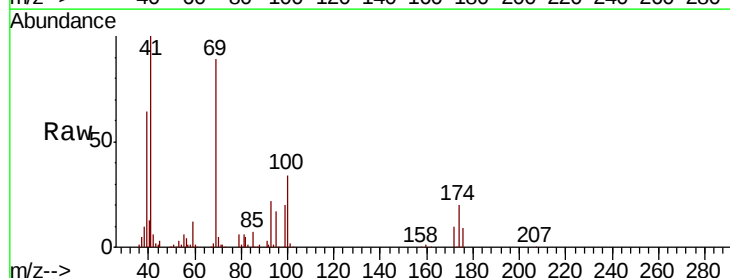
Tgt Ion: 41 Resp: 58657

Ion Ratio Lower Upper

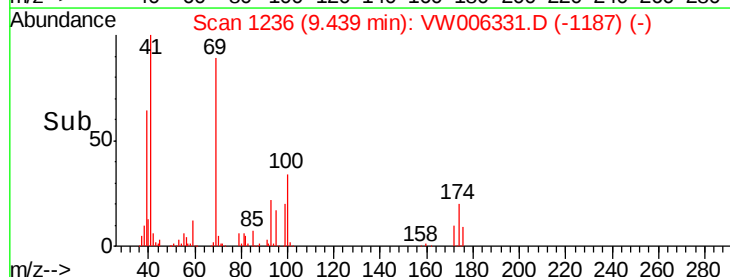
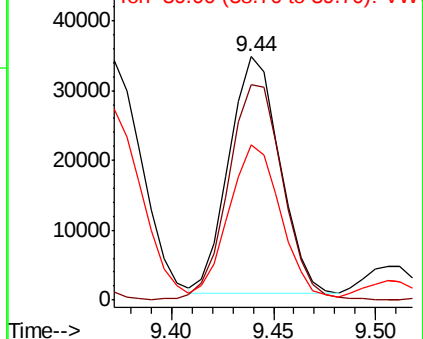
41 100

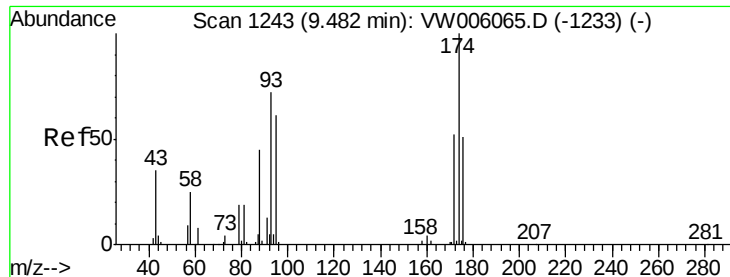
69 97.4 71.8 107.8

39 64.4 52.5 78.7



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: 1136.350 ug/l

RT: 9.49 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

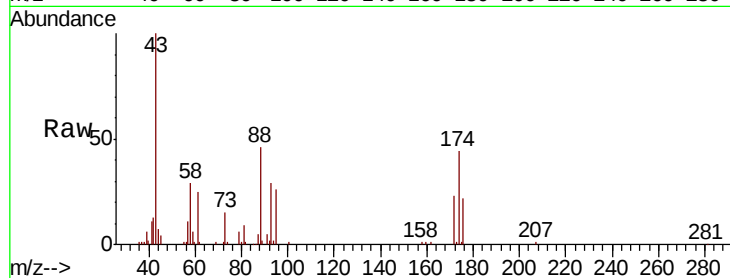
Tot Ion: 88 Resp: 20927

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

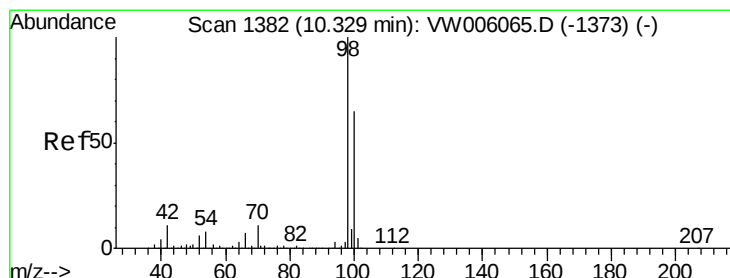
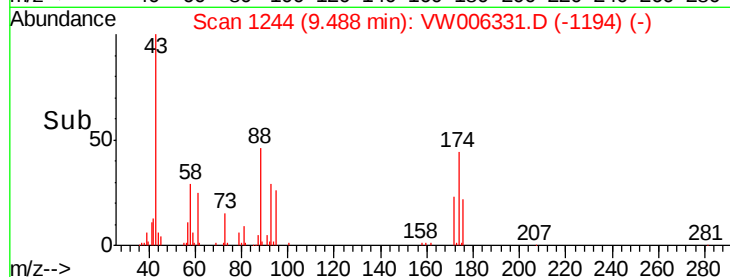
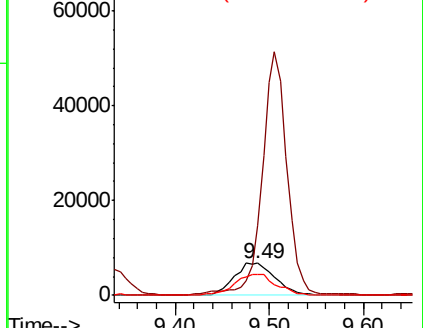
58 66.2 51.2 76.8



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 48.941 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006331.D

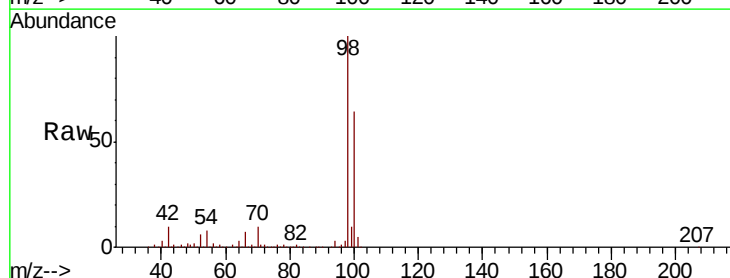
Acq: 24 Oct 2018 22:27

Tgt Ion: 98 Resp: 381683

Ion Ratio Lower Upper

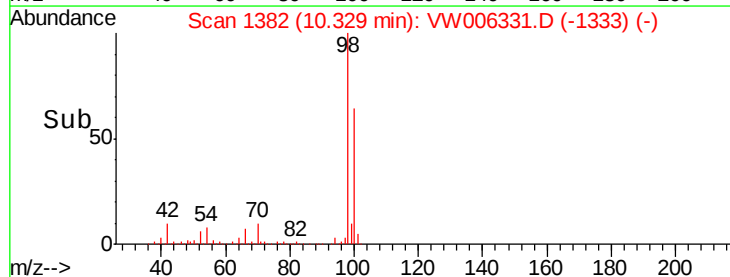
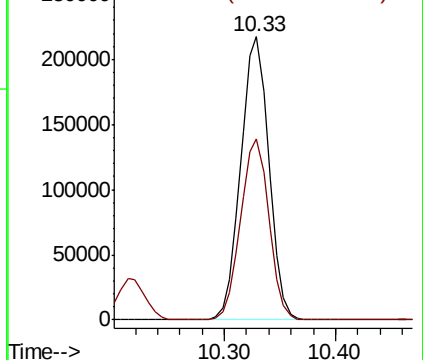
98 100

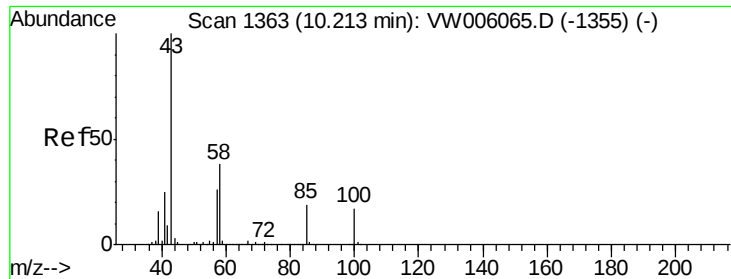
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 253.547 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

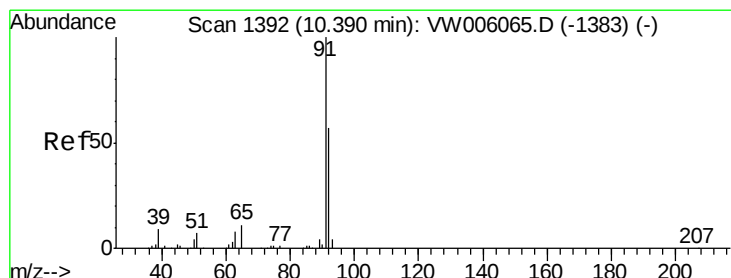
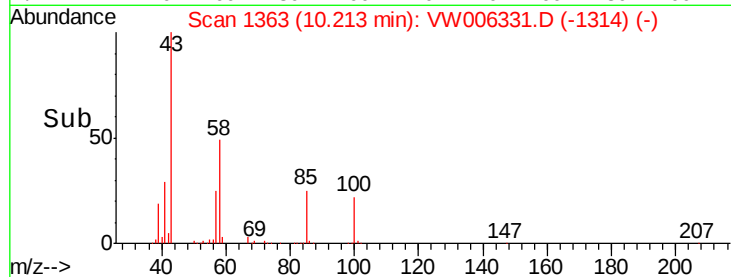
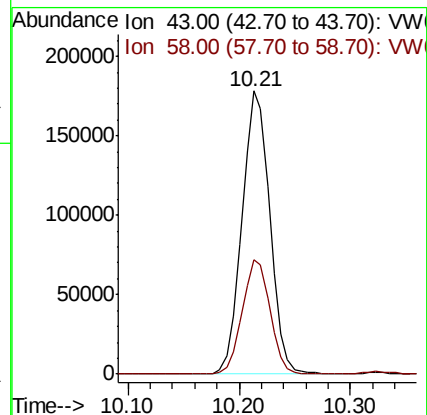
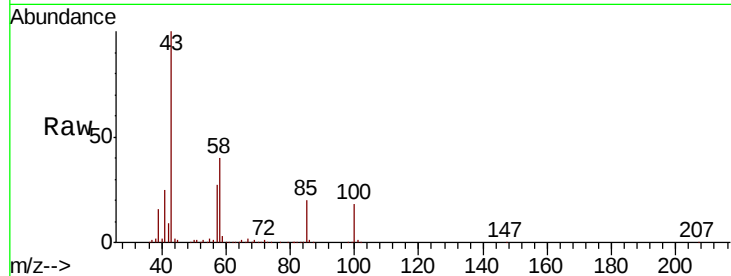
VSTDCCC050

Tot Ion: 43 Resp: 308580

Ion Ratio Lower Upper

43 100

58 40.3 31.5 47.3



#52

Toluene

Concen: 55.660 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006331.D

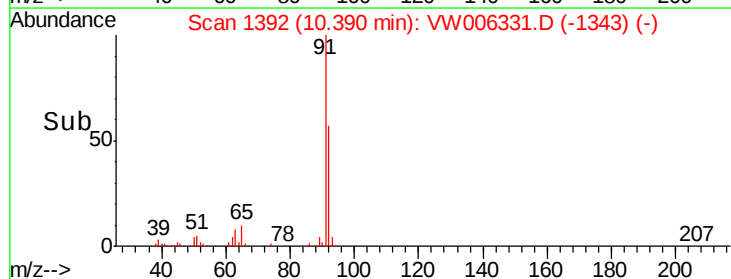
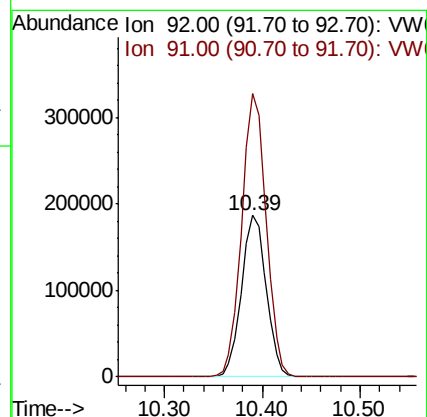
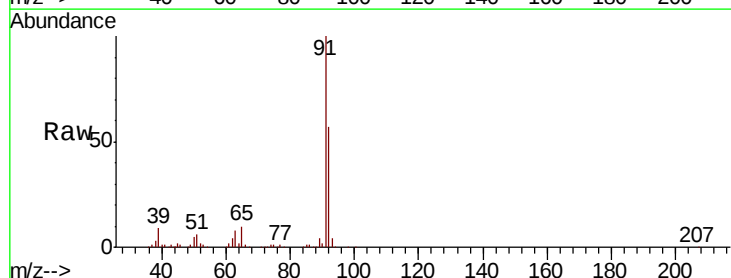
Acq: 24 Oct 2018 22:27

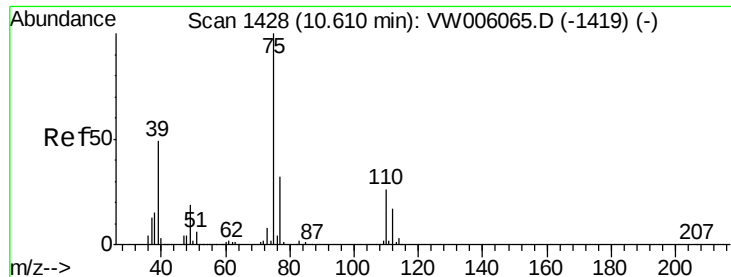
Tgt Ion: 92 Resp: 327302

Ion Ratio Lower Upper

92 100

91 174.1 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 52.259 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

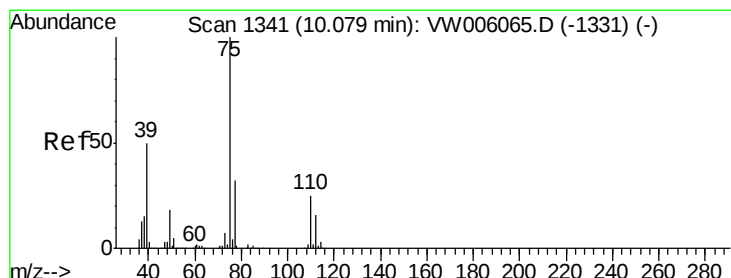
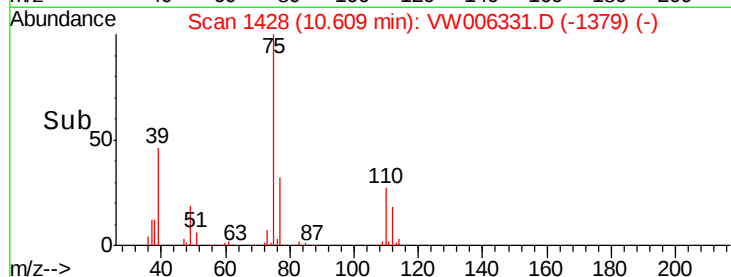
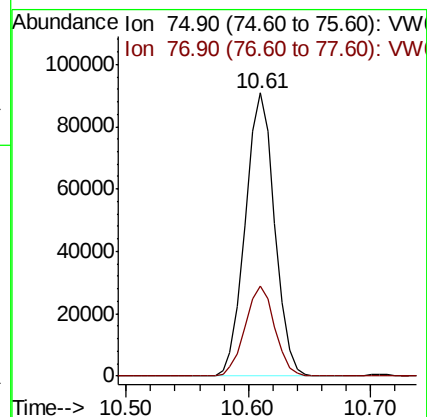
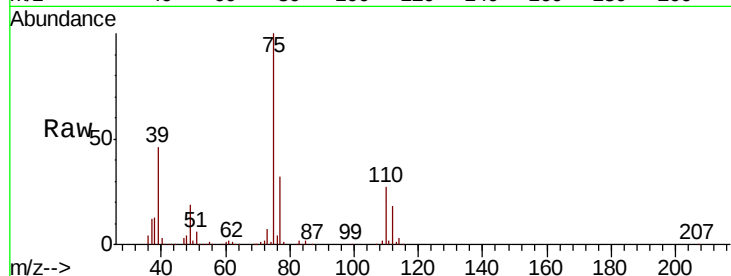
VSTDCCC050

Tot Ion: 75 Resp: 151008

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 53.908 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

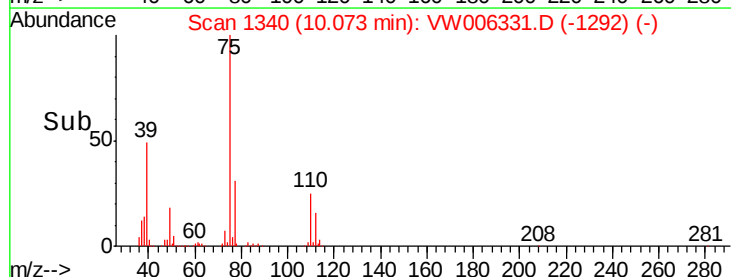
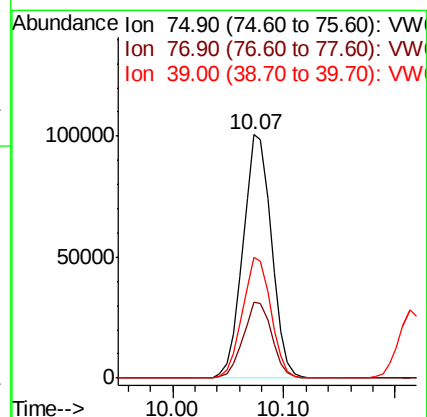
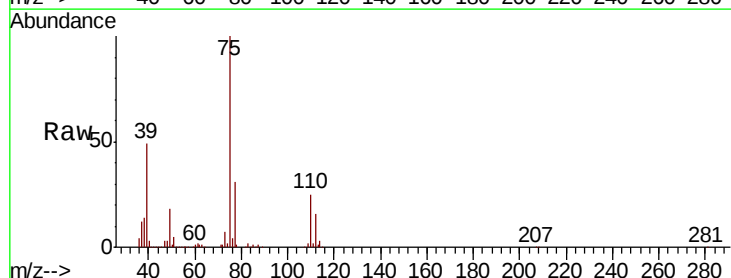
Tgt Ion: 75 Resp: 178779

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 49.3 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 55.575 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 93034

Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.2	100.8
85	53.0	43.7	65.5
99	64.5	48.5	72.7

Abundance

Ion 96.90 (96.60 to 97.60): VW

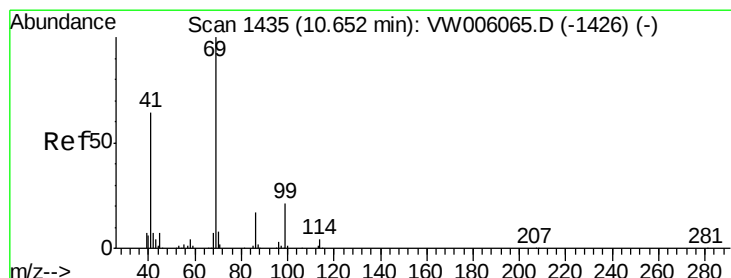
Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

10.79

Time-->



#56

Ethyl methacrylate

Concen: 53.289 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Tgt Ion: 69 Resp: 109361

Ion	Ratio	Lower	Upper
69	100		
41	62.2	52.8	79.2
39	34.2	30.6	45.8

Abundance

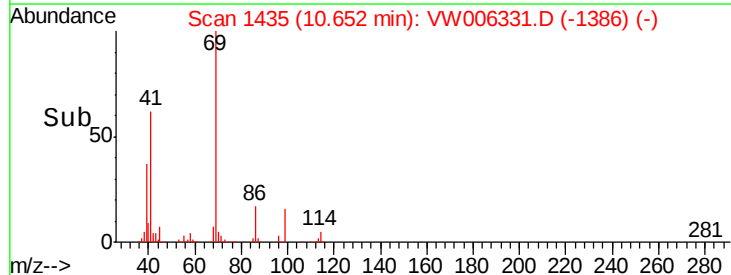
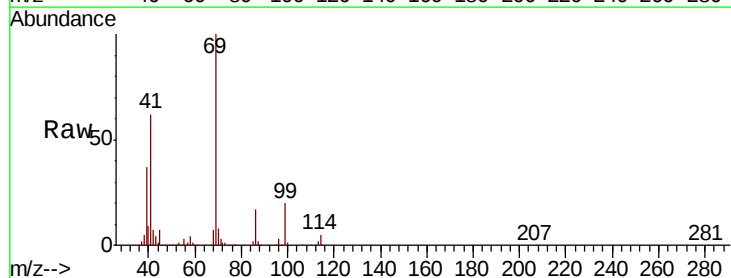
Ion 69.00 (68.70 to 69.70): VW

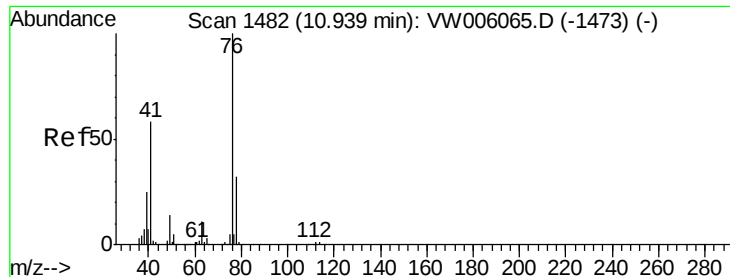
Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

10.65

Time-->





#57

1,3-Dichloropropane

Concen: 54.941 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

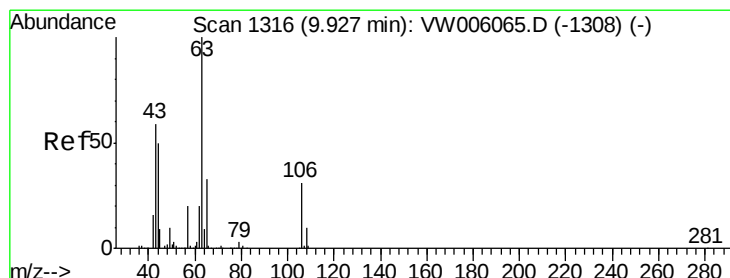
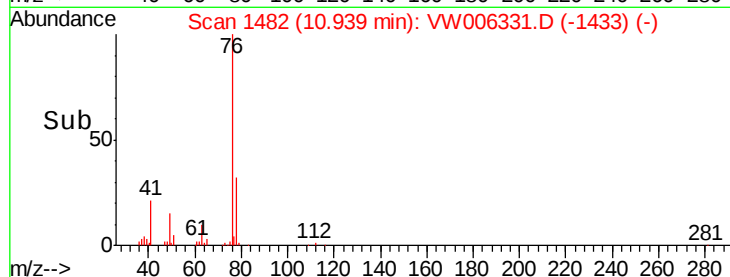
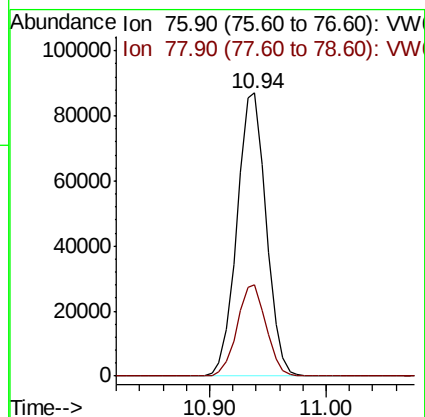
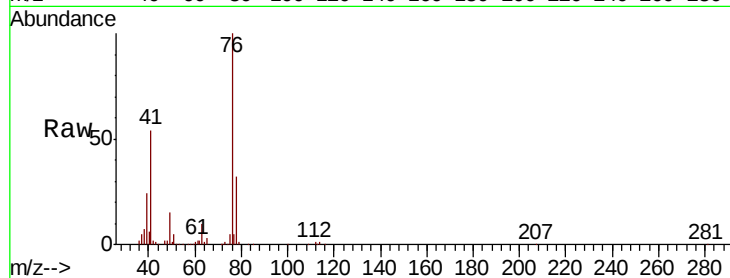
VSTDCCC050

Tot Ion: 76 Resp: 152253

Ion Ratio Lower Upper

76 100

78 32.0 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 241.927 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW006331.D

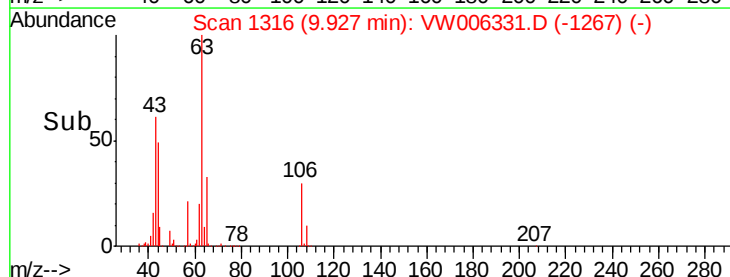
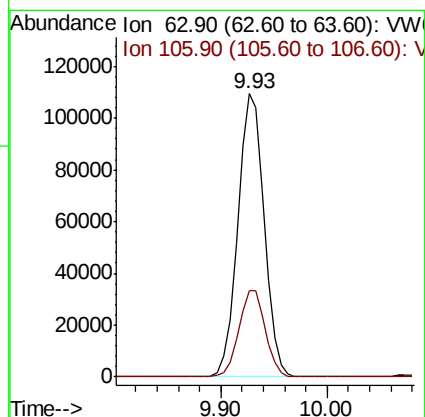
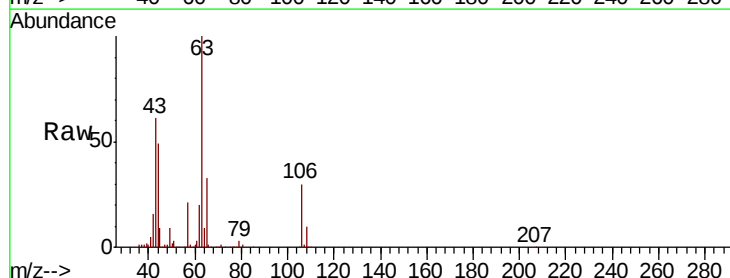
Acq: 24 Oct 2018 22:27

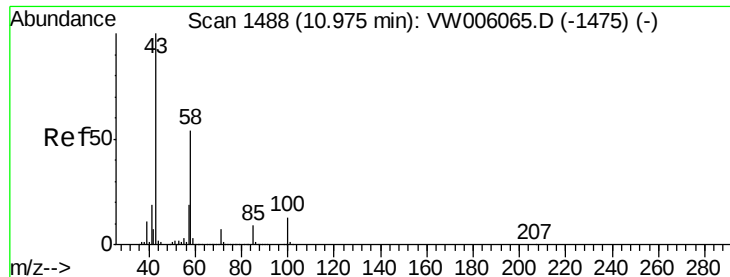
Tgt Ion: 63 Resp: 189714

Ion Ratio Lower Upper

63 100

106 30.7 24.5 36.7

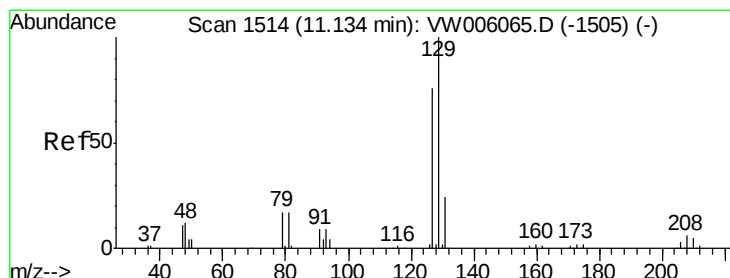
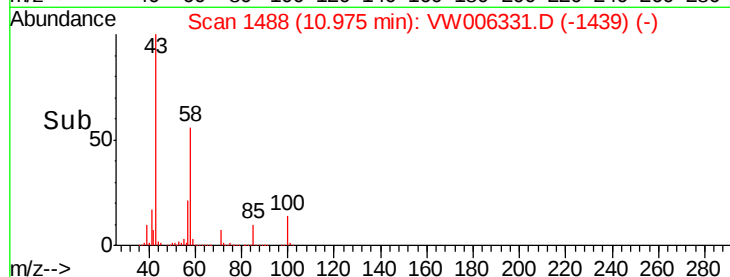
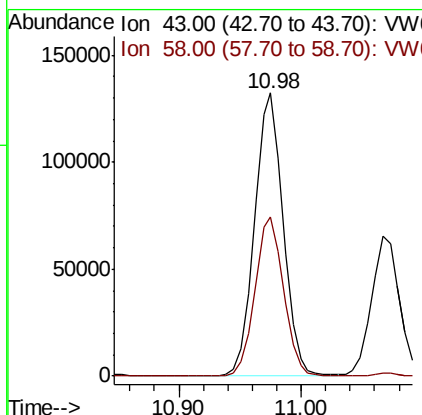
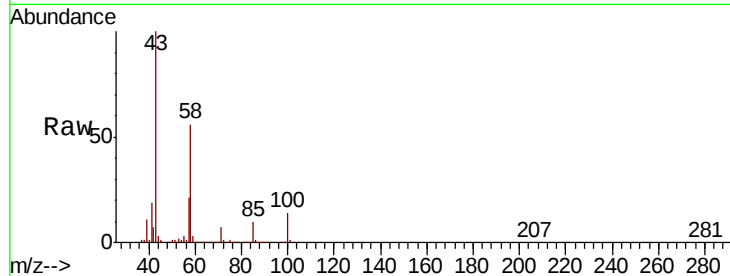




#59
2-Hexanone
Concen: 249.306 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

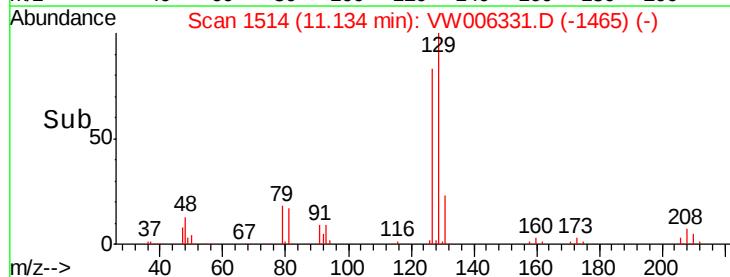
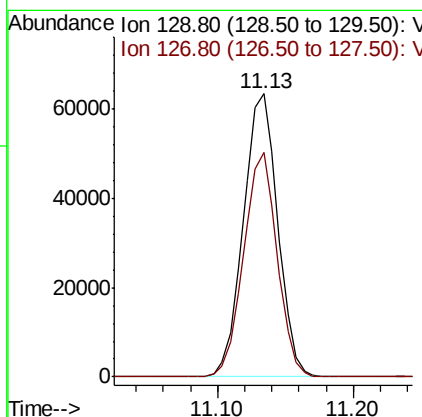
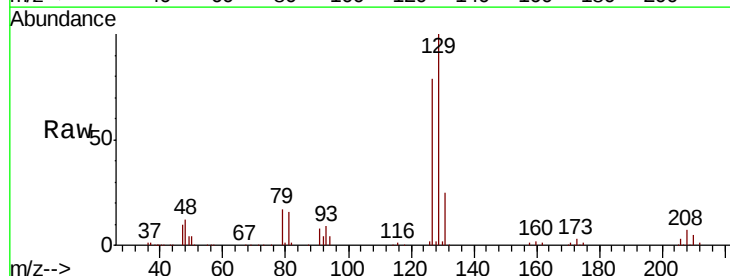
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

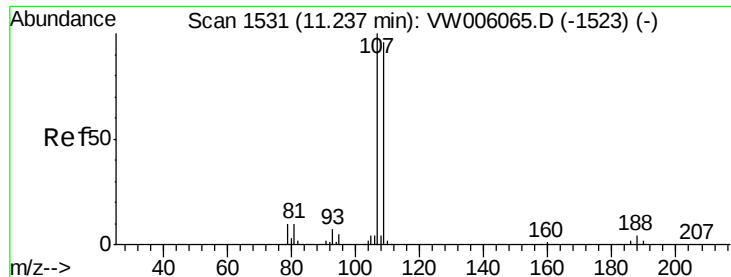
Tot Ion: 43 Resp: 216591
Ion Ratio Lower Upper
43 100
58 56.1 26.9 80.6



#60
Dibromochloromethane
Concen: 53.802 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion: 129 Resp: 112186
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.7

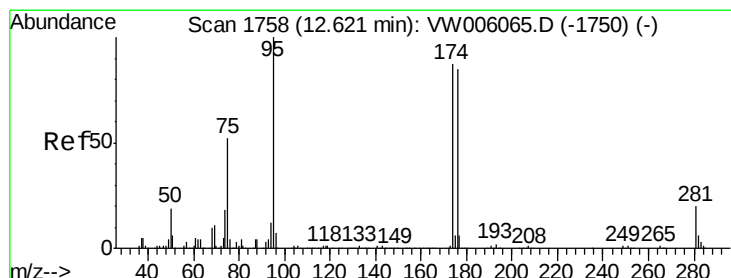
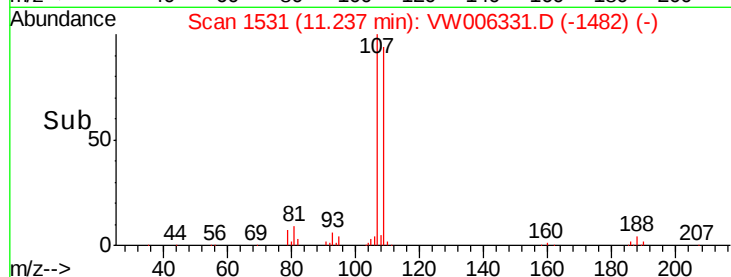
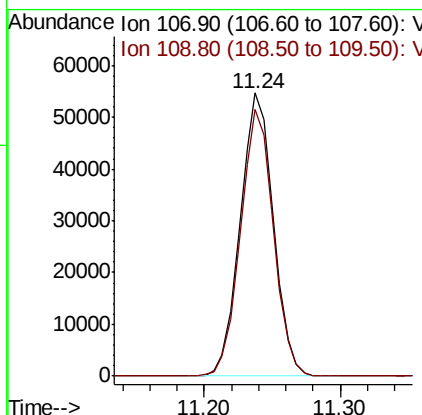
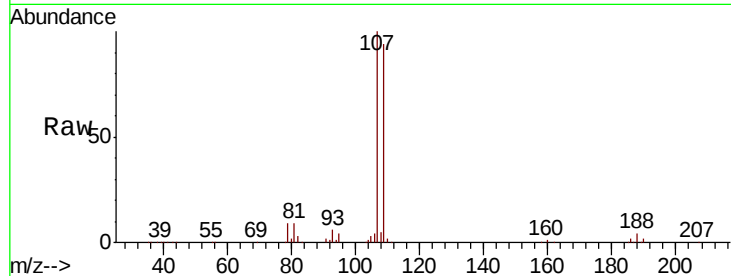




#61
 1,2-Dibromoethane
 Concen: 55.477 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

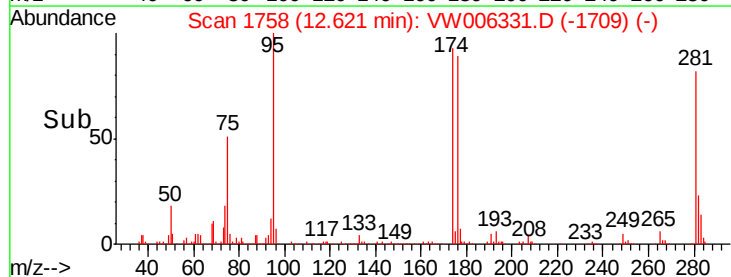
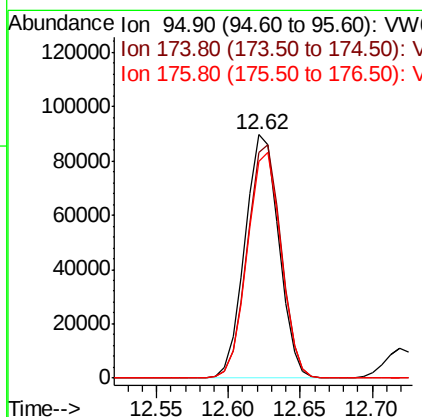
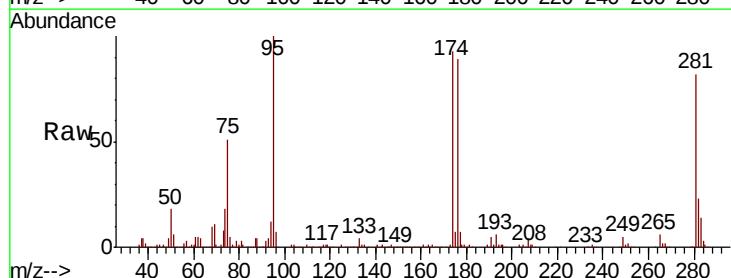
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

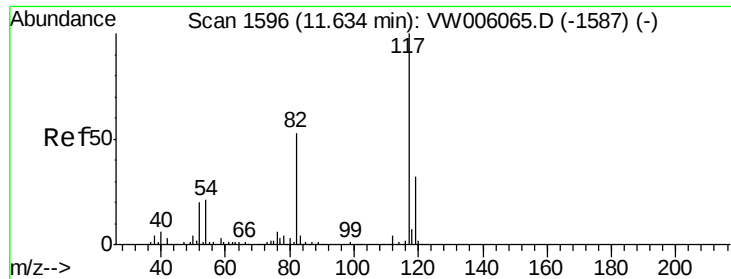
Tot Ion:107 Resp: 92795
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 49.838 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion: 95 Resp: 145983
 Ion Ratio Lower Upper
 95 100
 174 95.1 0.0 186.0
 176 92.6 0.0 181.6

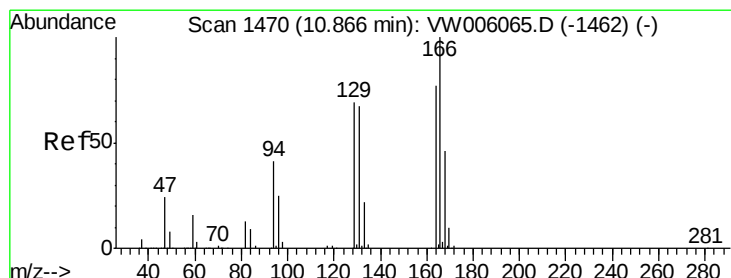
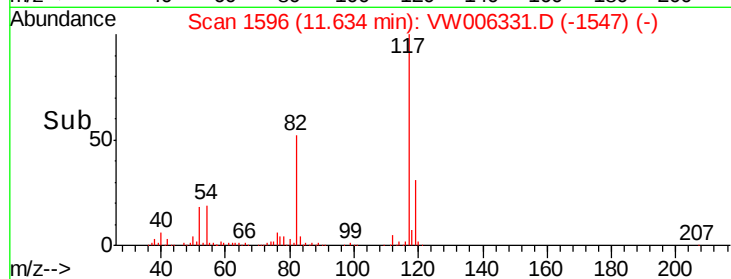
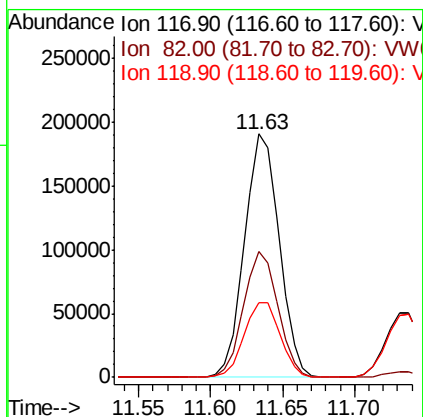
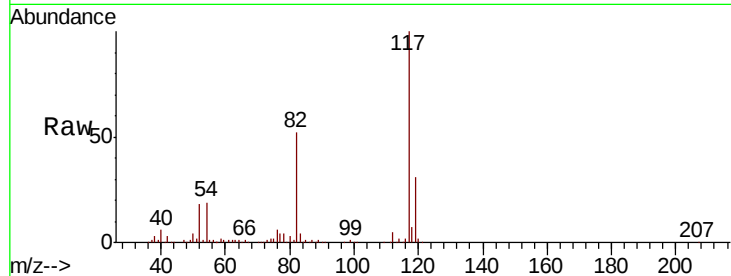




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

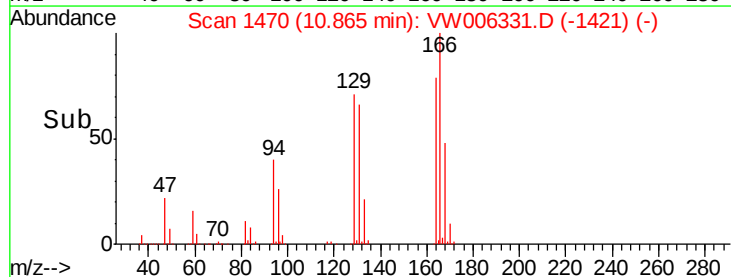
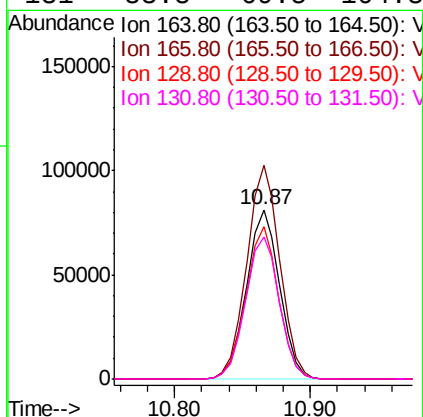
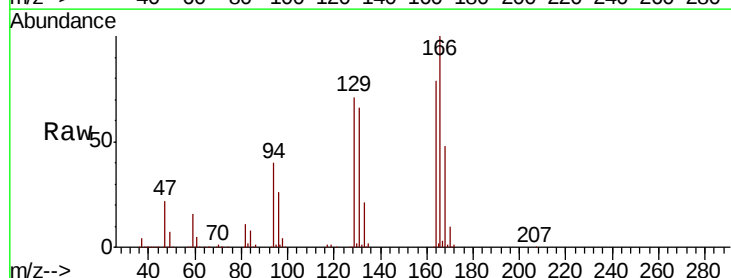
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

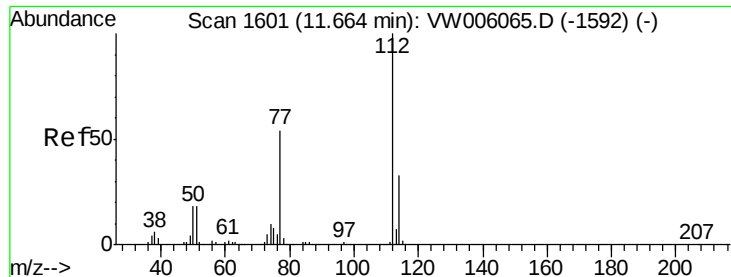
Tot Ion:117 Resp: 318436
Ion Ratio Lower Upper
117 100
82 51.9 42.1 63.1
119 30.8 25.8 38.6



#64
Tetrachloroethene
Concen: 55.893 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion:164 Resp: 138169
Ion Ratio Lower Upper
164 100
166 126.0 103.4 155.0
129 89.9 71.8 107.8
131 83.8 69.5 104.3

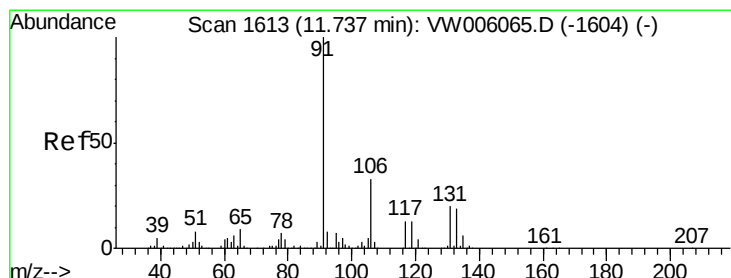
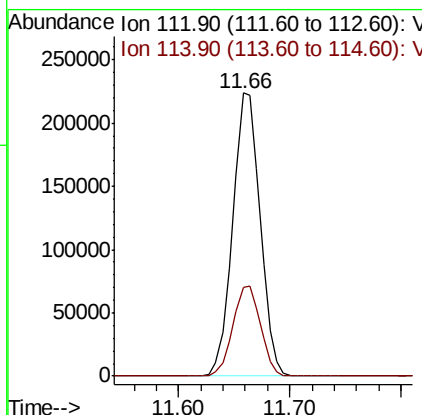
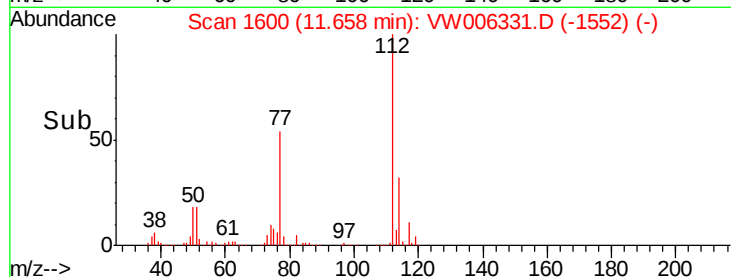
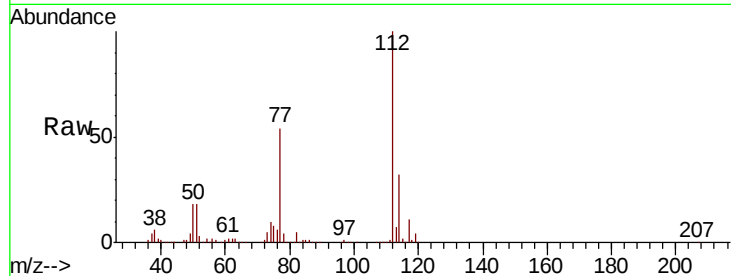




#65
Chlorobenzene
Concen: 55.856 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

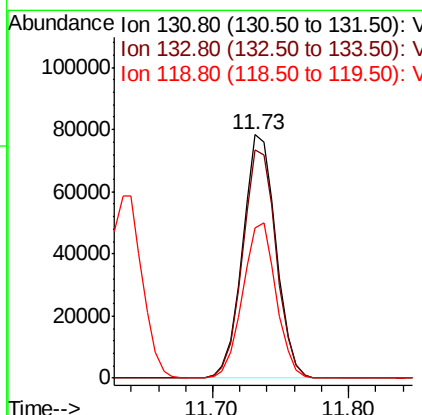
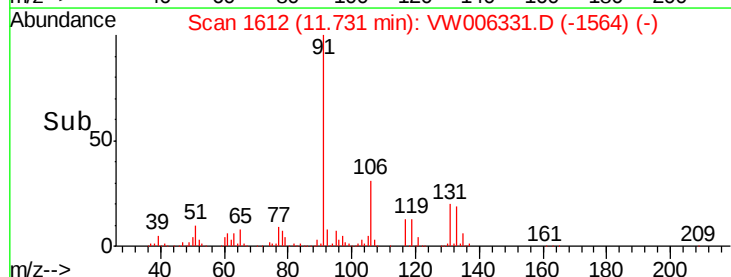
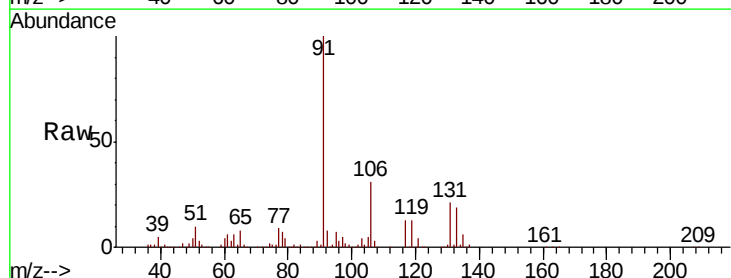
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

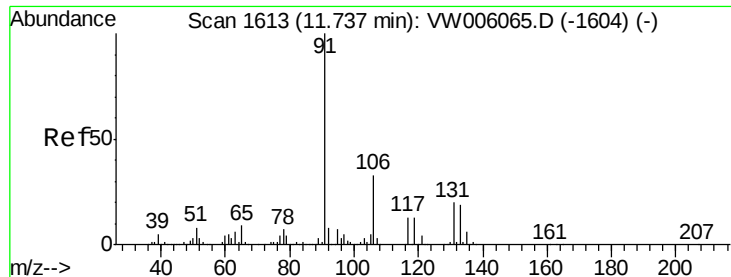
Tot Ion:112 Resp: 380761
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 55.350 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion:131 Resp: 134089
Ion Ratio Lower Upper
131 100
133 94.9 48.1 144.3
119 63.7 31.6 94.7

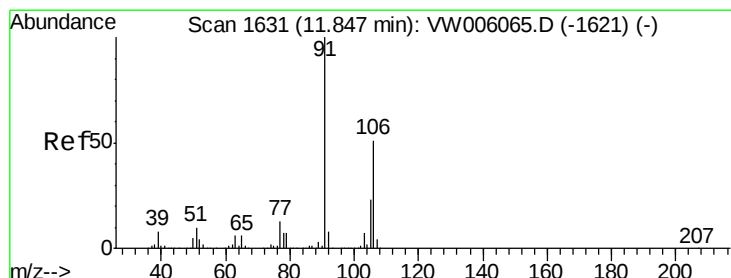
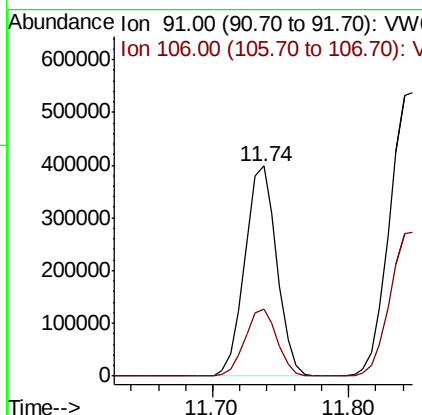
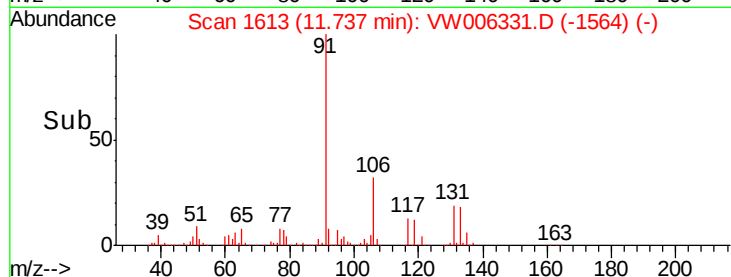
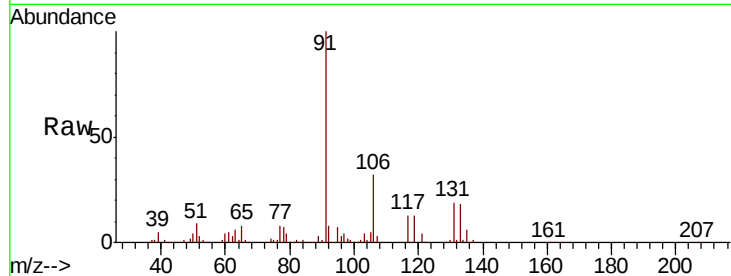




#67
Ethyl Benzene
Concen: 55.376 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

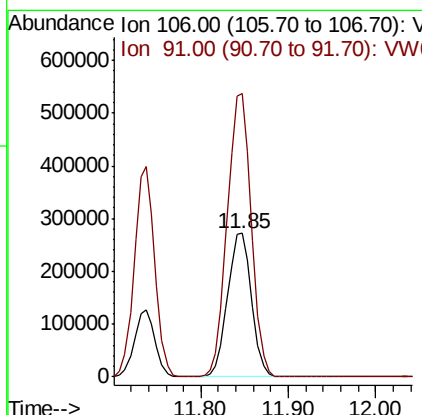
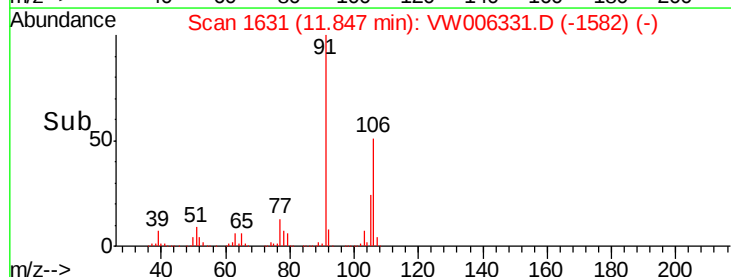
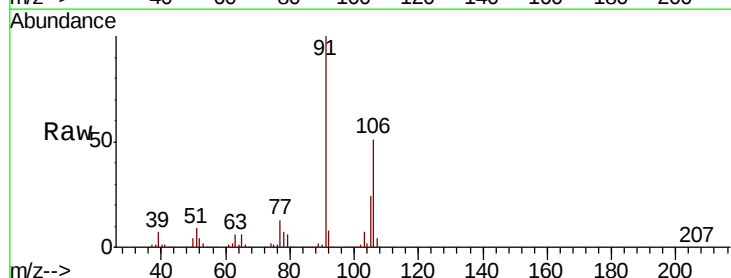
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

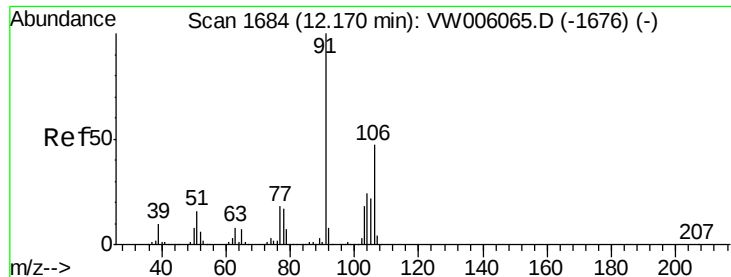
Tot Ion: 91 Resp: 654193
Ion Ratio Lower Upper
91 100
106 32.0 26.1 39.1



#68
m/p-Xylenes
Concen: 110.699 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion: 106 Resp: 516899
Ion Ratio Lower Upper
106 100
91 197.9 159.1 238.7

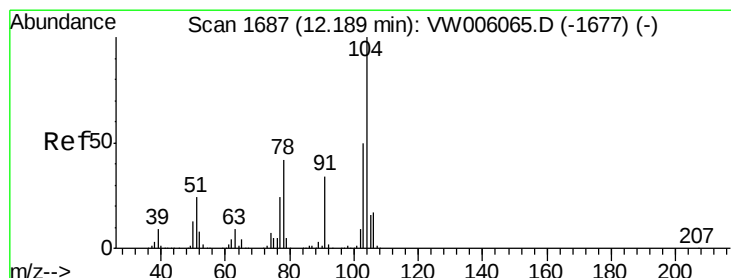
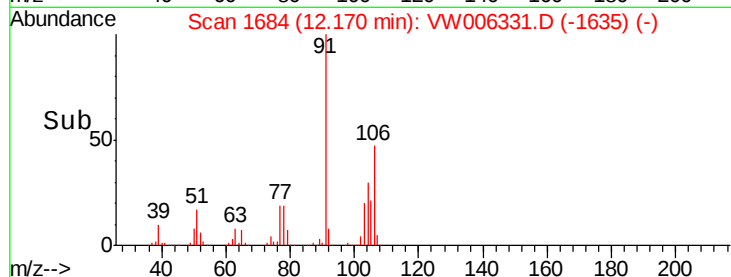
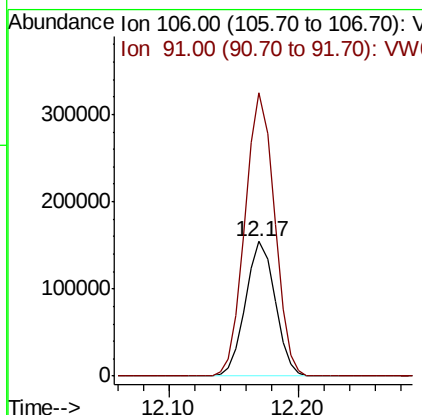
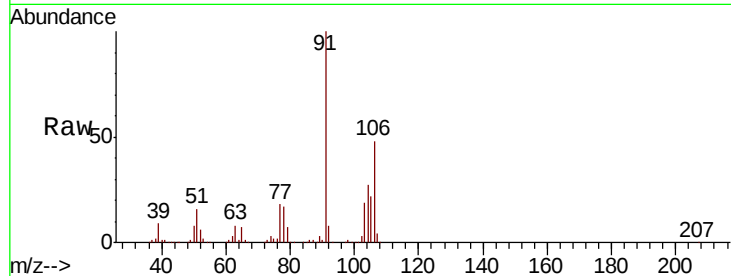




#69
o-Xylene
Concen: 55.087 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

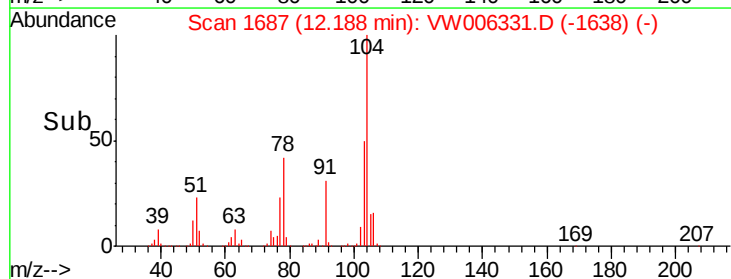
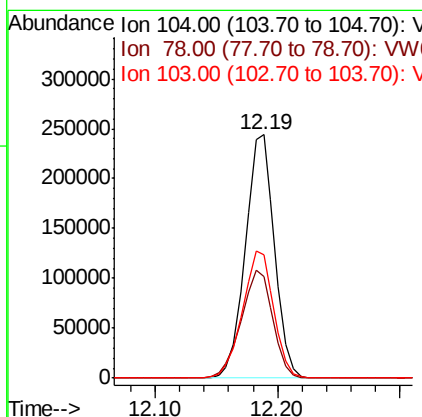
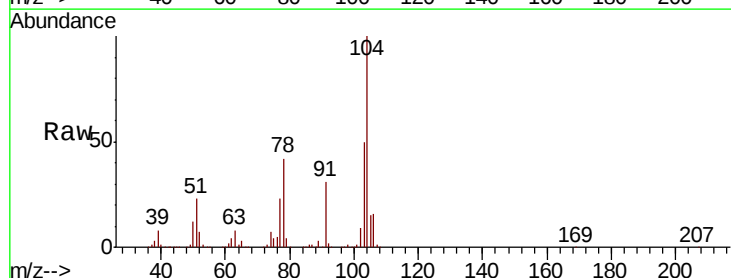
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 245141
Ion Ratio Lower Upper
106 100
91 210.1 105.4 316.1



#70
Styrene
Concen: 55.664 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion:104 Resp: 402809
Ion Ratio Lower Upper
104 100
78 48.1 39.1 58.7
103 55.7 44.3 66.5

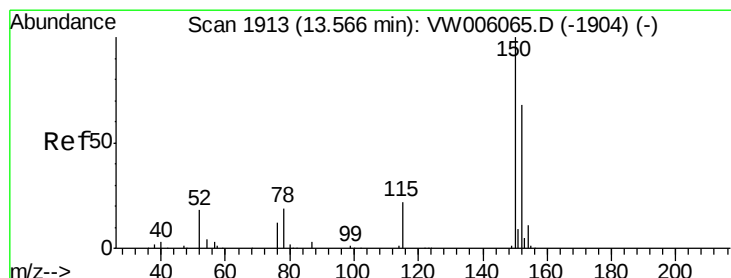
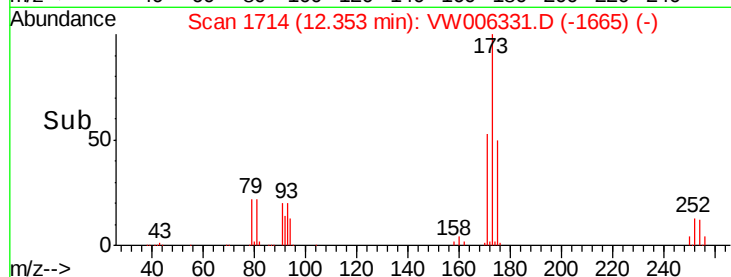
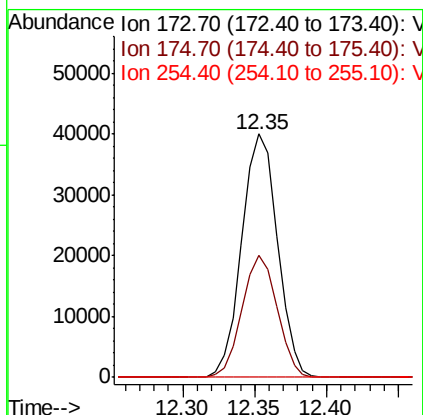
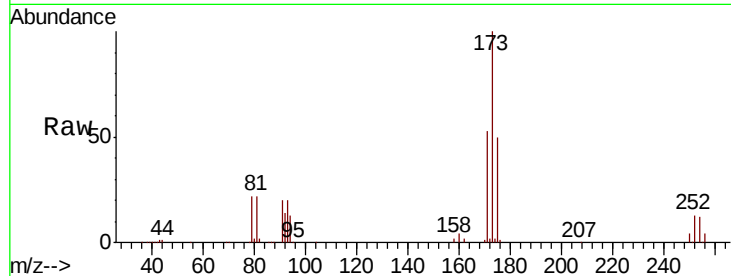




#71
Bromoform
Concen: 51.074 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

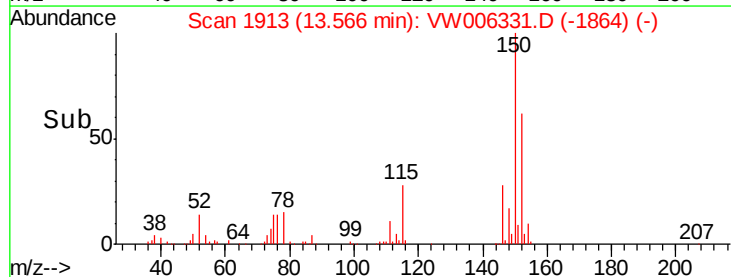
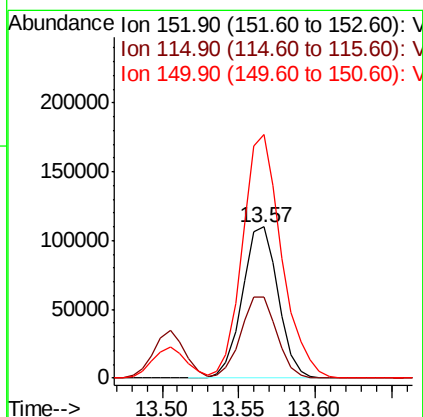
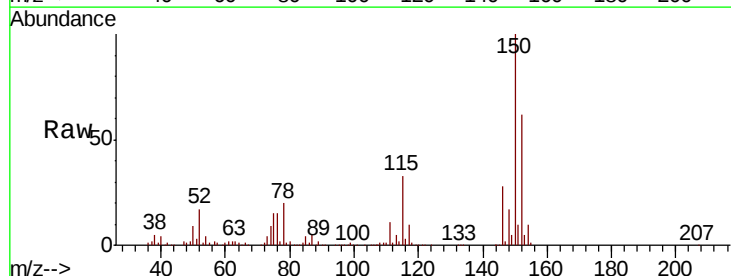
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

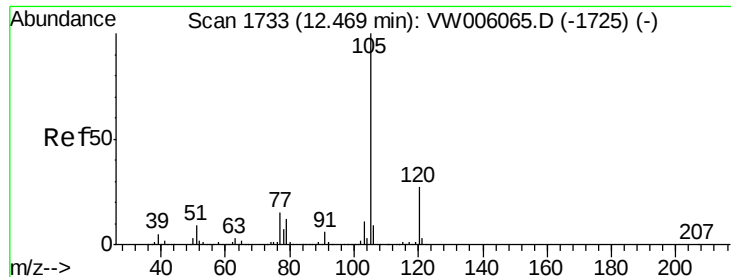
Tot Ion:173 Resp: 69012
Ion Ratio Lower Upper
173 100
175 49.0 24.2 72.6
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion:152 Resp: 178649
Ion Ratio Lower Upper
152 100
115 54.4 27.8 83.3
150 175.1 0.0 349.2





#73

Isopropylbenzene

Concen: 54.541 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

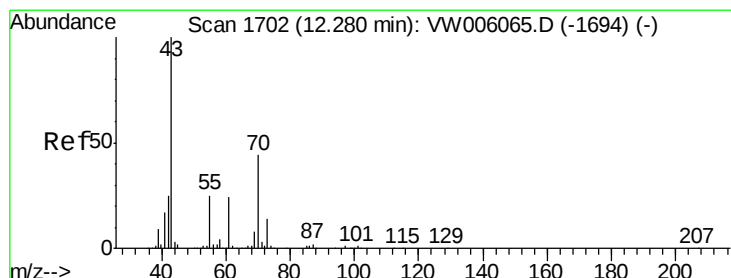
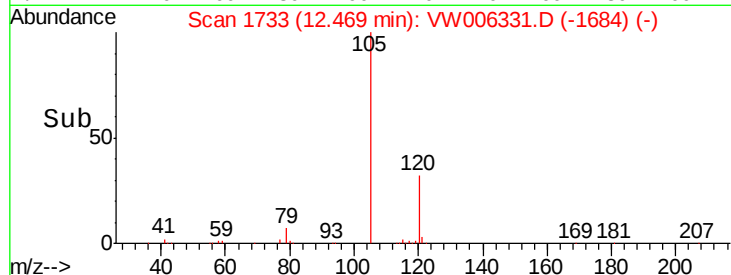
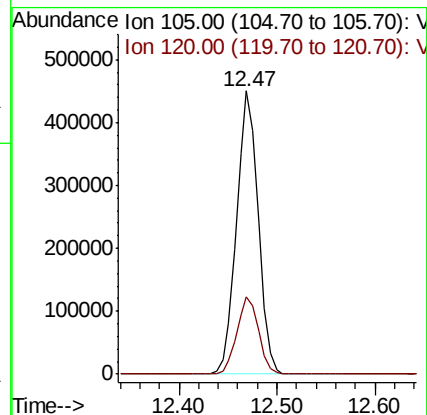
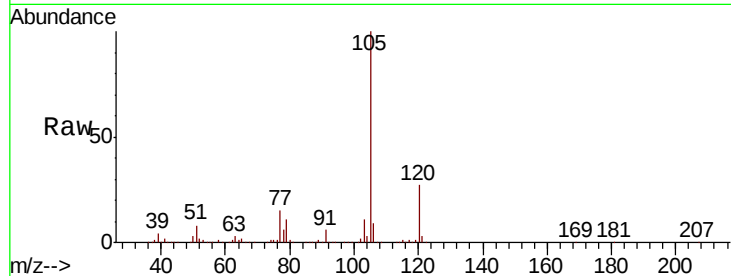
VSTDCCC050

Tot Ion:105 Resp: 688359

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



#74

N-ethyl acetate

Concen: 49.216 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Tgt Ion: 43 Resp: 120645

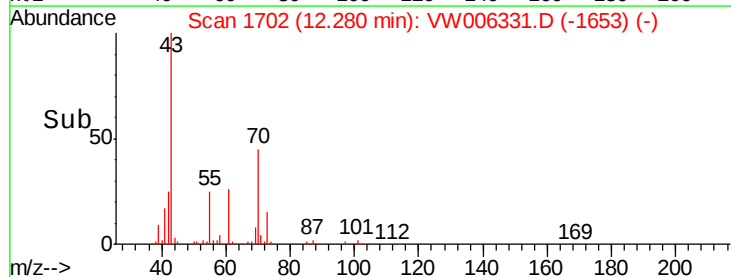
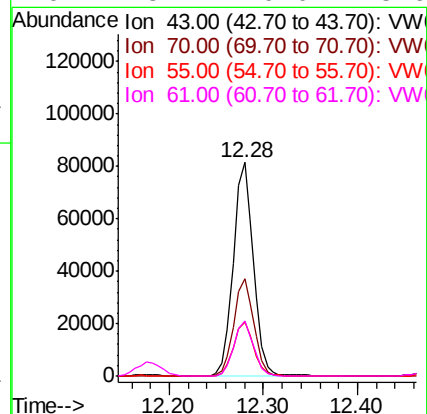
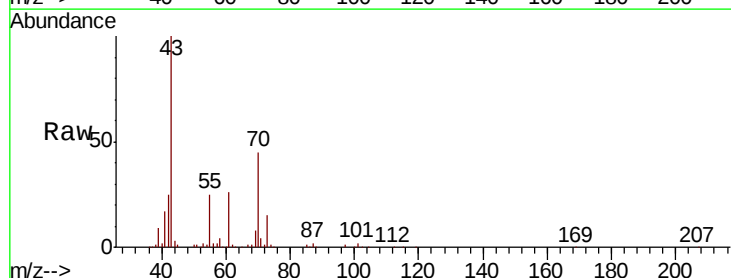
Ion Ratio Lower Upper

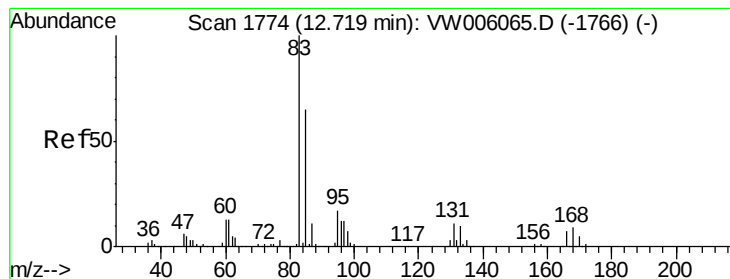
43 100

70 45.4 34.2 51.4

55 25.7 19.2 28.8

61 25.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.018 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

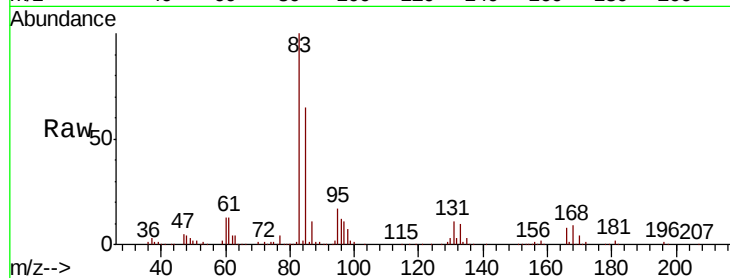
Tot Ion: 83 Resp: 105612

Ion Ratio Lower Upper

83 100

131 12.0 5.9 17.7

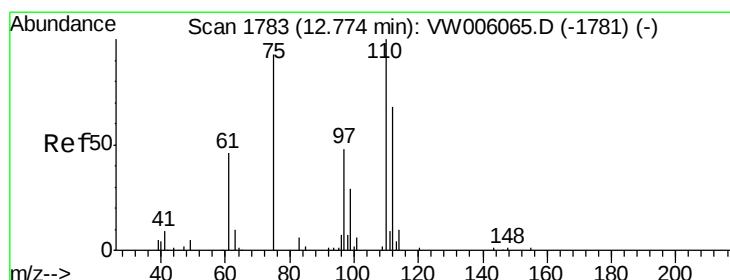
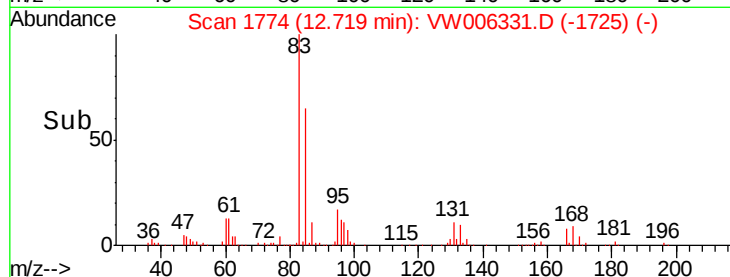
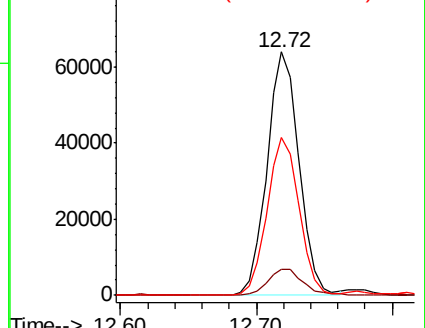
85 64.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 97.044 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006331.D

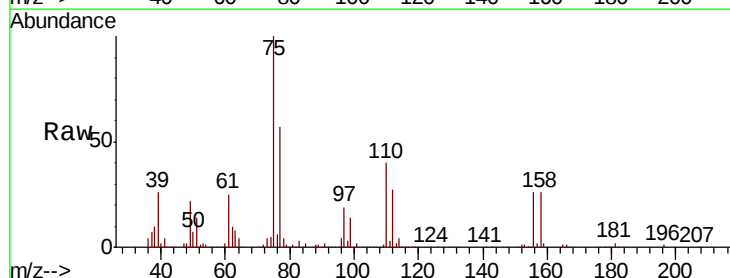
Acq: 24 Oct 2018 22:27

Tgt Ion: 75 Resp: 132419

Ion Ratio Lower Upper

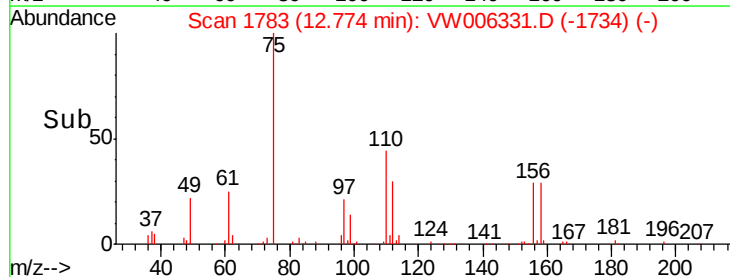
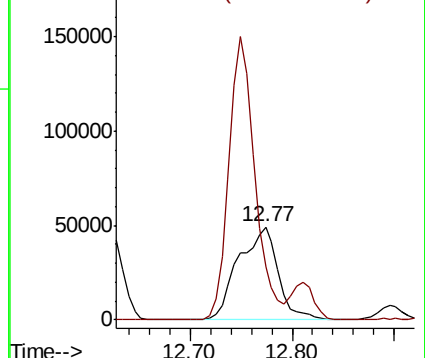
75 100

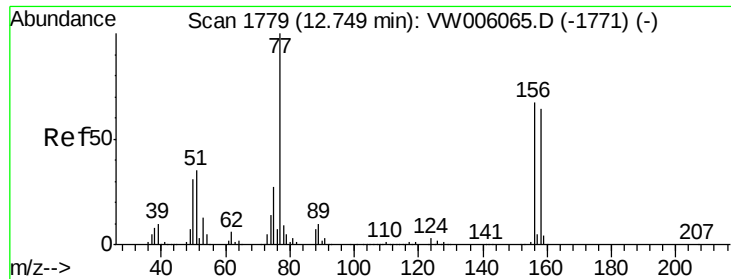
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 55.072 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

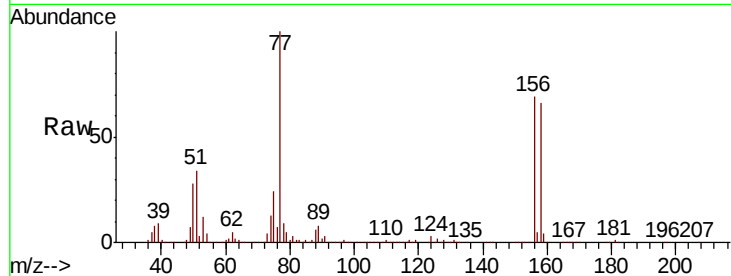
Tot Ion:156 Resp: 170243

Ion Ratio Lower Upper

156 100

77 156.2 79.1 237.4

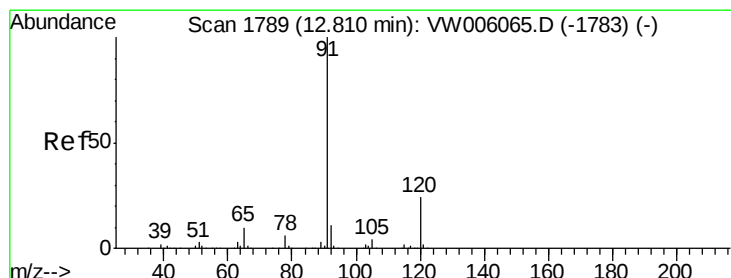
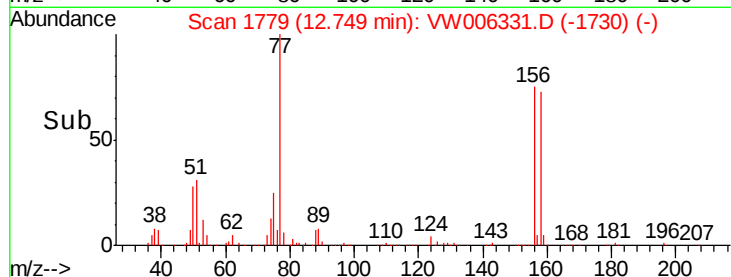
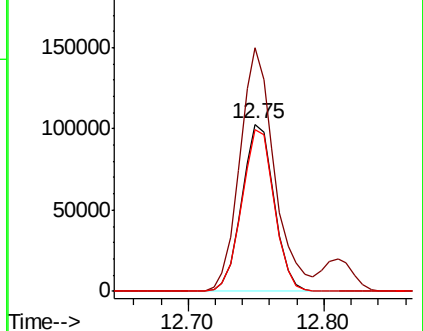
158 97.3 48.5 145.6



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: 54.996 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006331.D

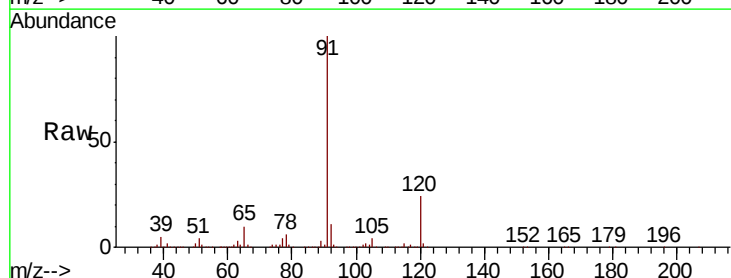
Acq: 24 Oct 2018 22:27

Tgt Ion: 91 Resp: 807540

Ion Ratio Lower Upper

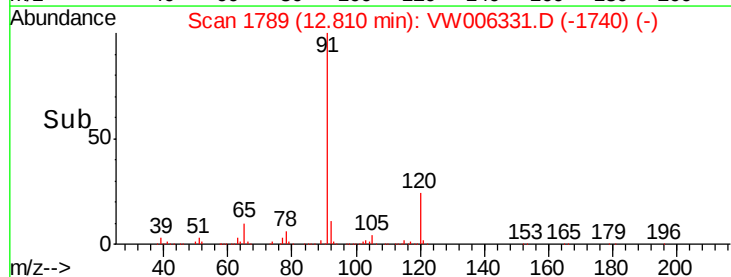
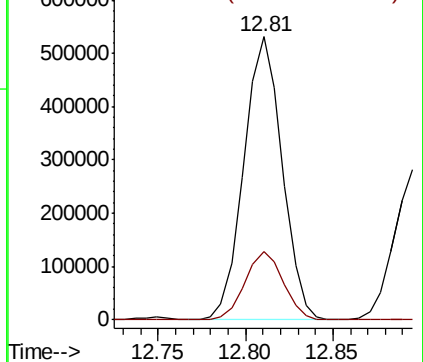
91 100

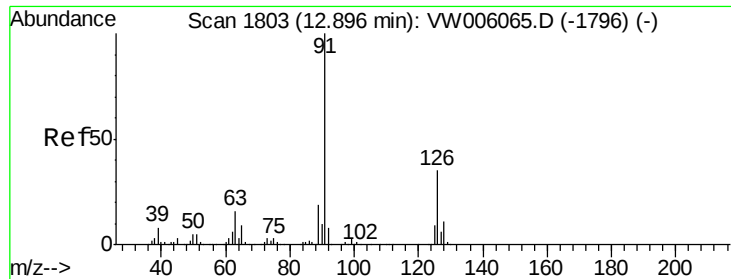
120 24.2 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.027 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

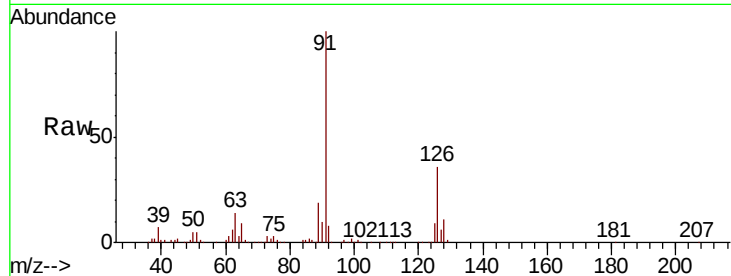
VSTDCCC050

Tot Ion: 91 Resp: 453979

Ion Ratio Lower Upper

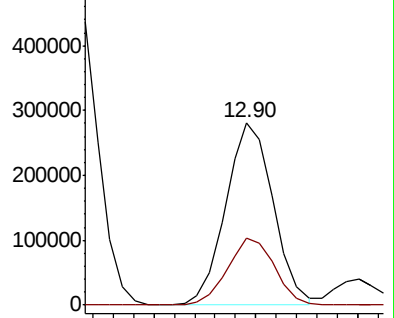
91 100

126 36.5 17.9 53.8

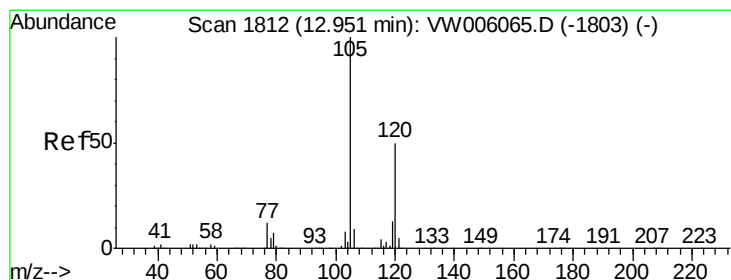
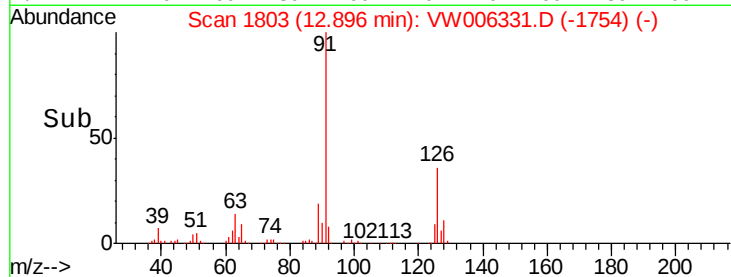


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.854 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006331.D

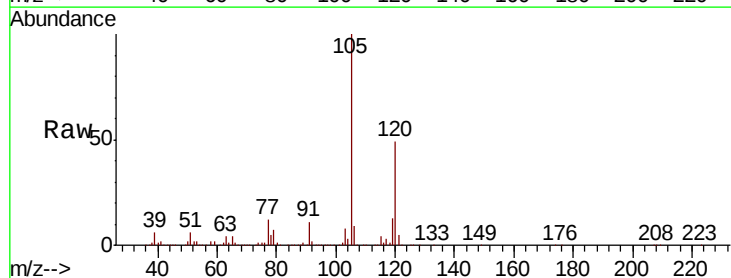
Acq: 24 Oct 2018 22:27

Tgt Ion:105 Resp: 583634

Ion Ratio Lower Upper

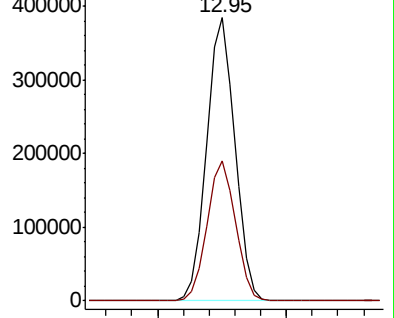
105 100

120 49.7 24.9 74.6

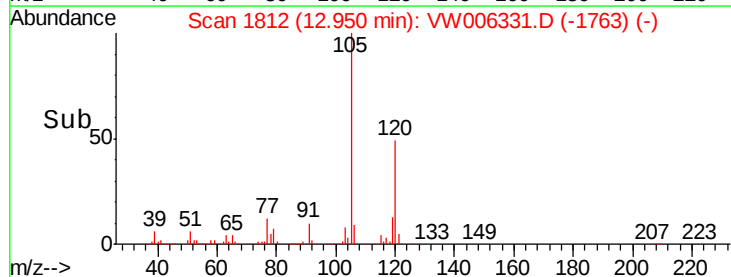


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->

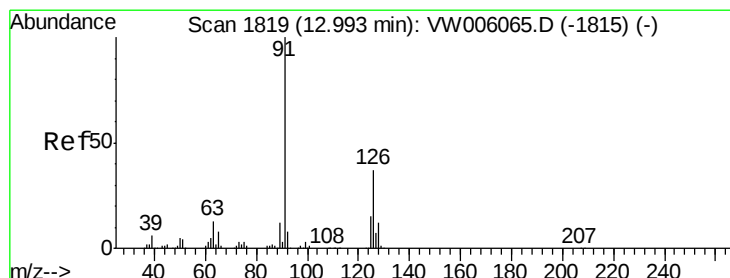
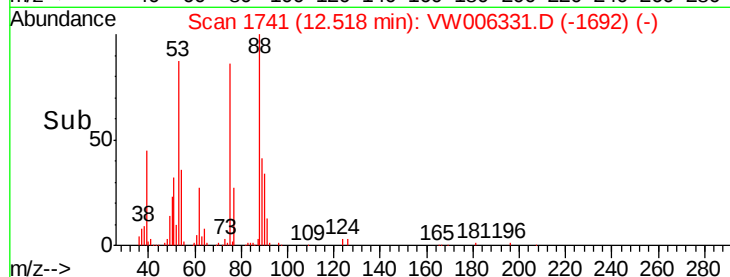
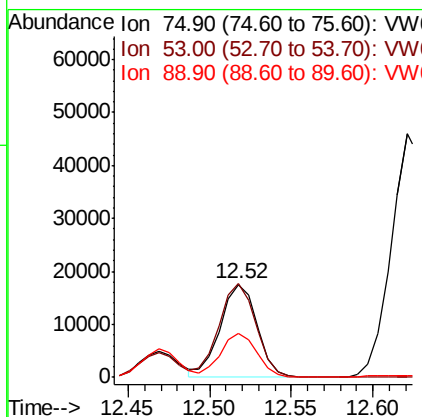
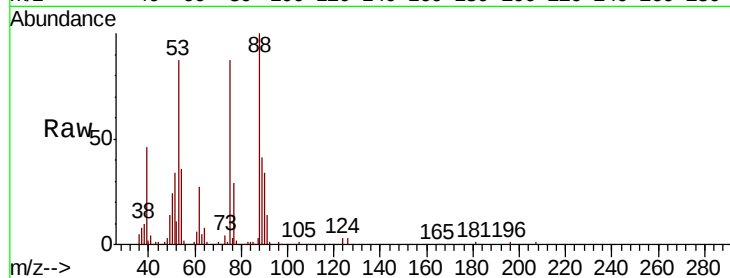




#81
trans-1,4-Dichloro-2-butene
Concen: 47.968 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

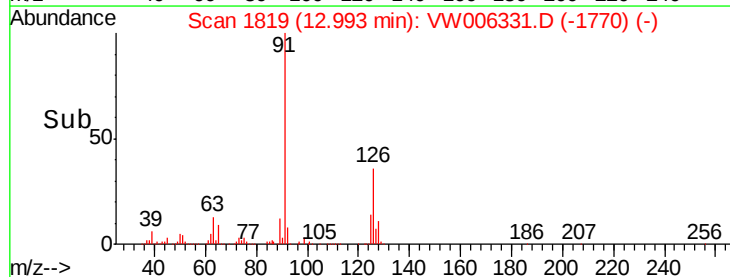
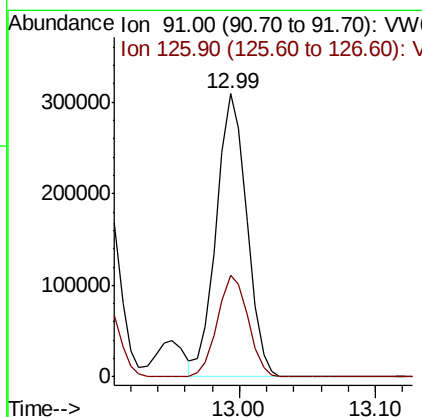
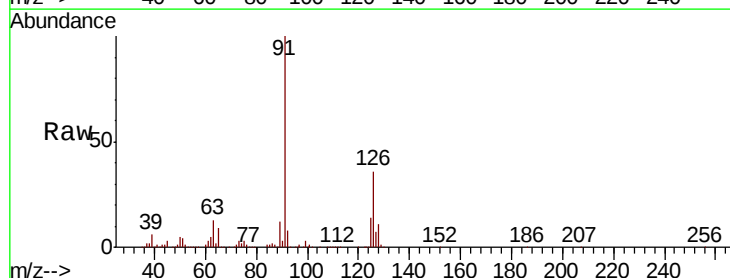
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

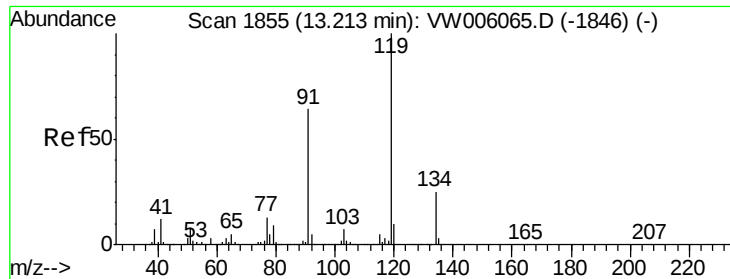
Tot Ion: 75 Resp: 27382
Ion Ratio Lower Upper
75 100
53 103.1 79.8 119.6
89 46.7 37.5 56.3



#82
4-Chlorotoluene
Concen: 55.767 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion: 91 Resp: 481947
Ion Ratio Lower Upper
91 100
126 36.0 18.1 54.3





#83

tert-Butylbenzene

Concen: 55.106 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

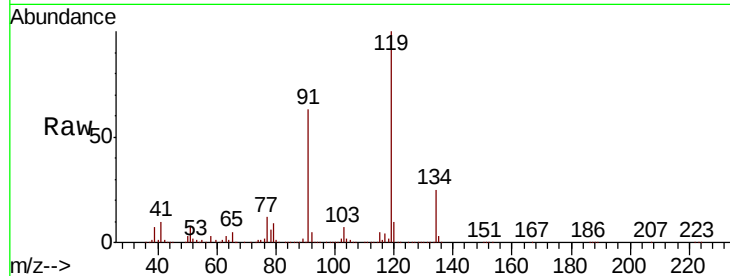
Tot Ion:119 Resp: 524575

Ion Ratio Lower Upper

119 100

91 62.4 32.3 96.9

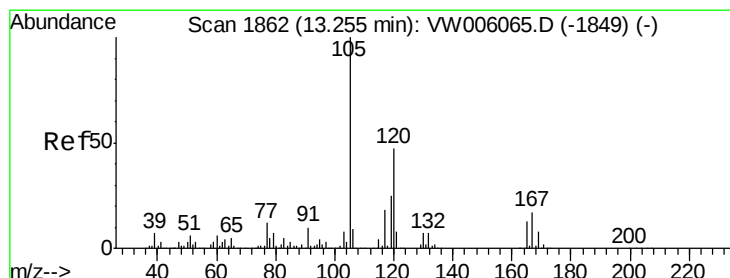
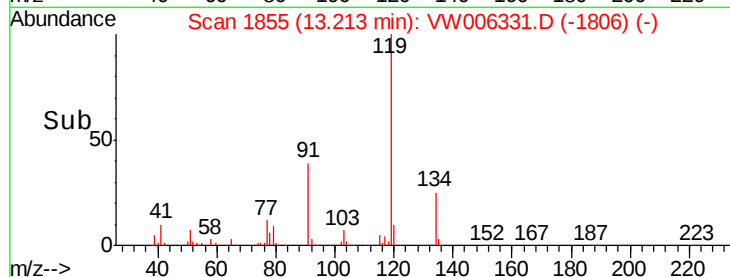
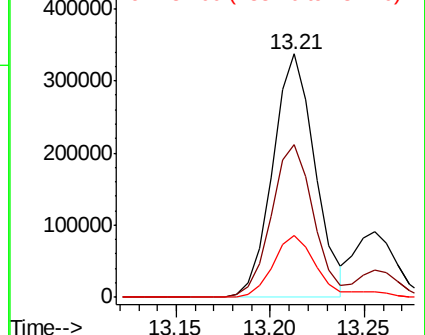
134 27.2 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.476 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW006331.D

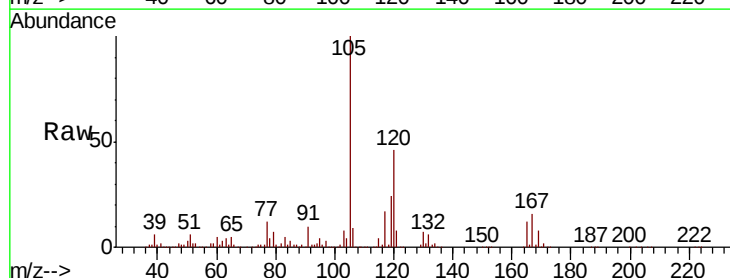
Acq: 24 Oct 2018 22:27

Tgt Ion:105 Resp: 597281

Ion Ratio Lower Upper

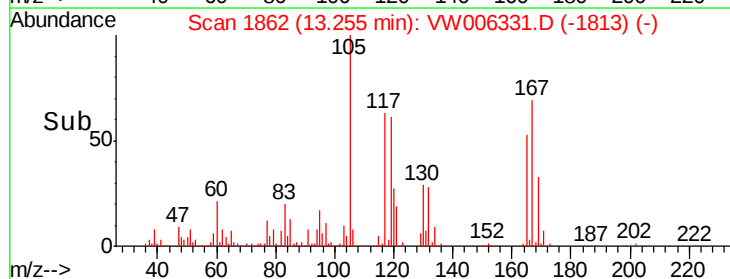
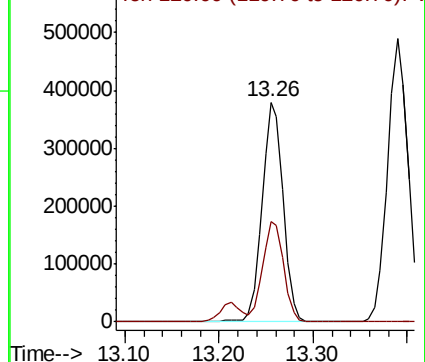
105 100

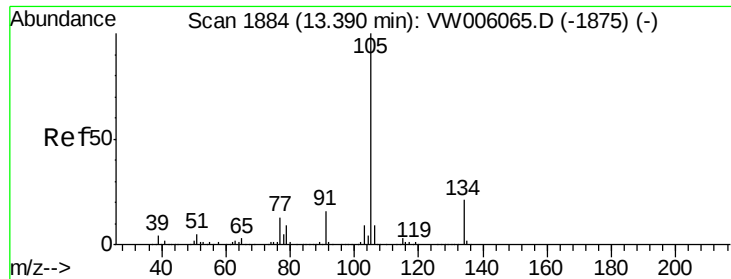
120 45.5 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.075 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

Instrument :

MSVOA_W

ClientSampled :

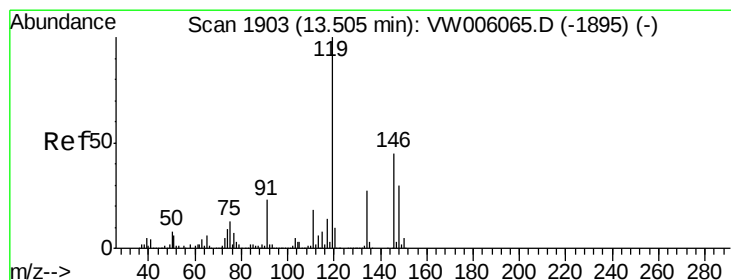
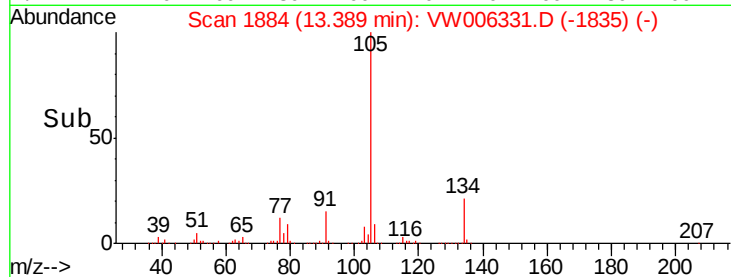
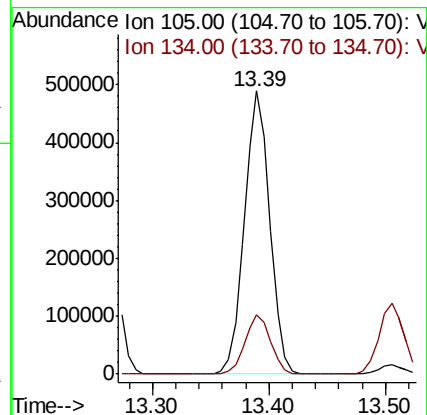
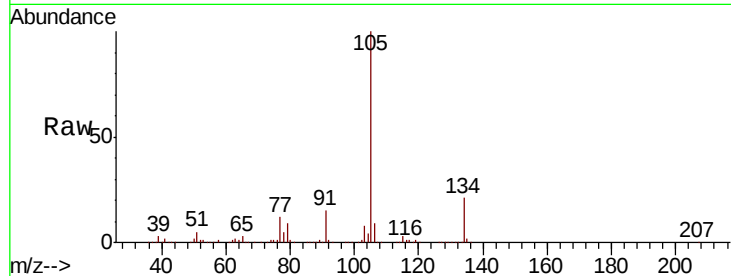
VSTDCCC050

Tot Ion:105 Resp: 740669

Ion Ratio Lower Upper

105 100

134 21.1 10.5 31.6



#86

p-Isopropyltoluene

Concen: 55.375 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006331.D

Acq: 24 Oct 2018 22:27

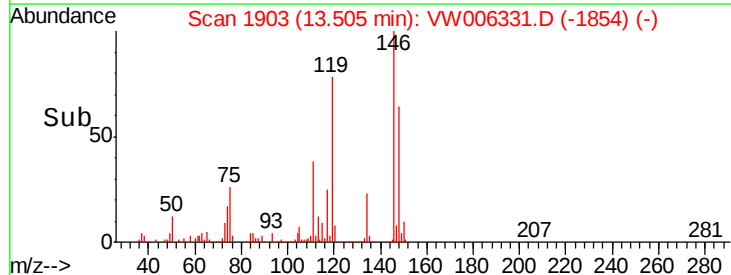
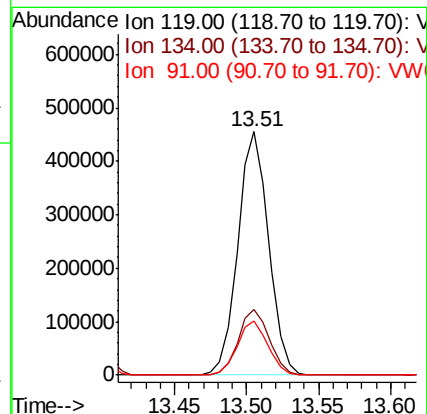
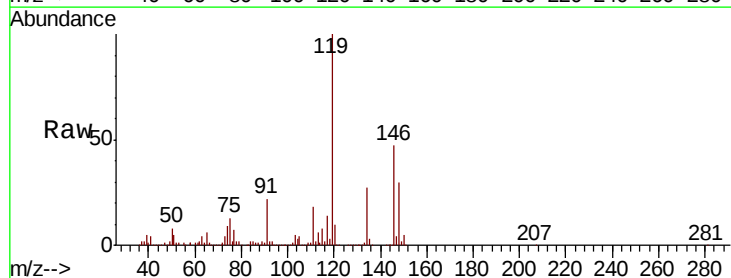
Tgt Ion:119 Resp: 673594

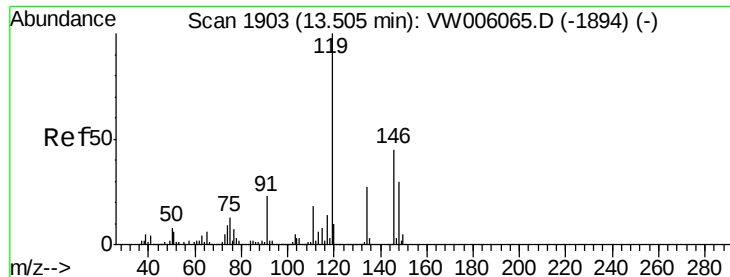
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 22.2 11.4 34.1

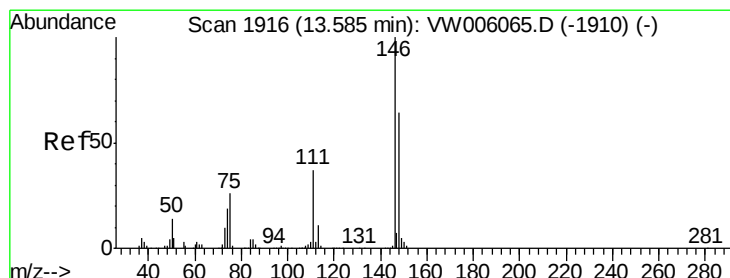
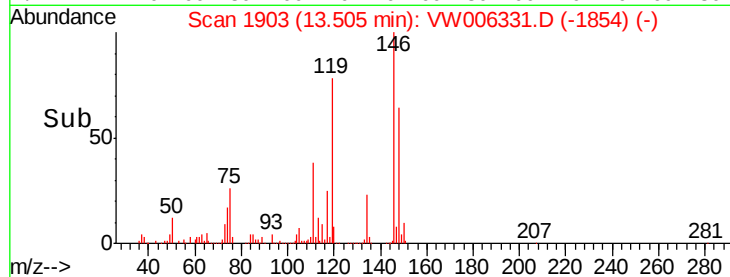
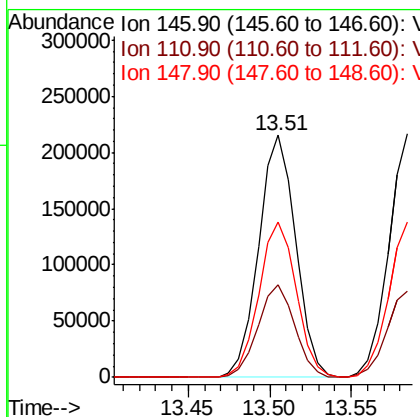
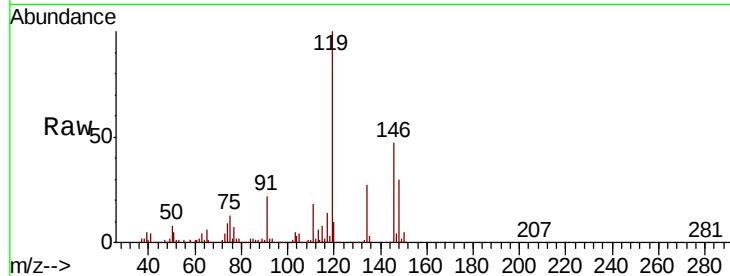




#87
 1,3-Dichlorobenzene
 Concen: 55.341 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

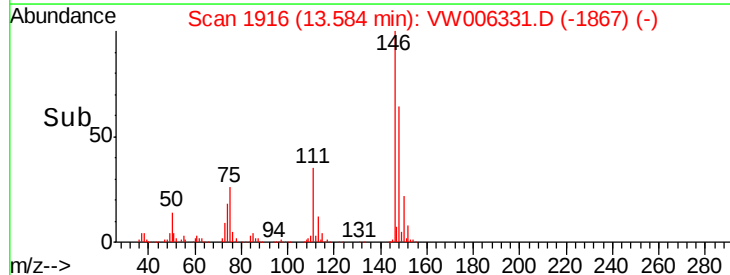
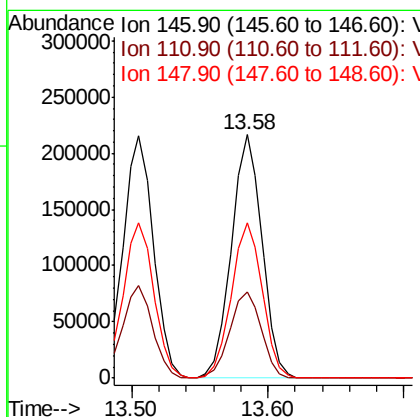
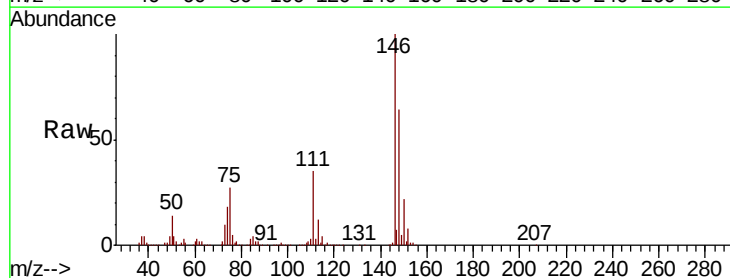
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 340471
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.5
 148 64.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 55.255 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion:146 Resp: 338468
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.6 56.0
 148 64.2 32.1 96.5

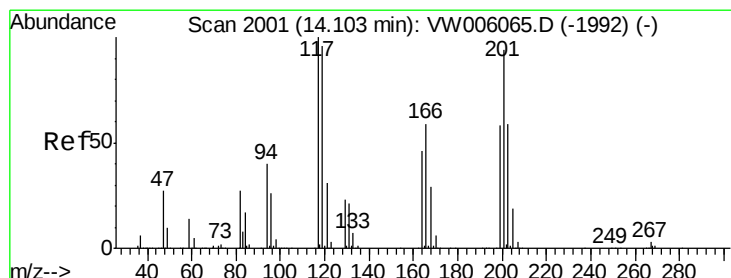
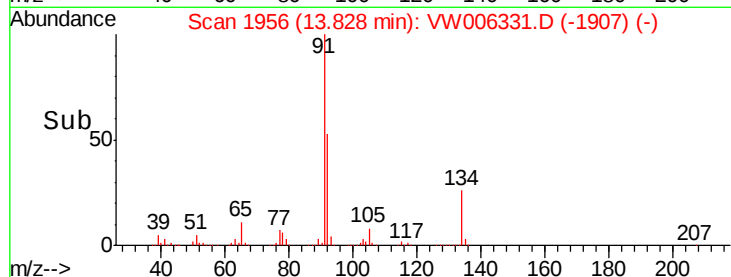
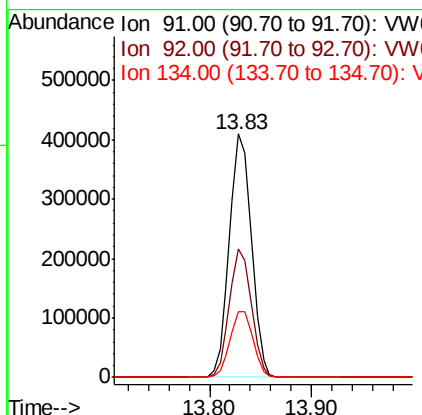
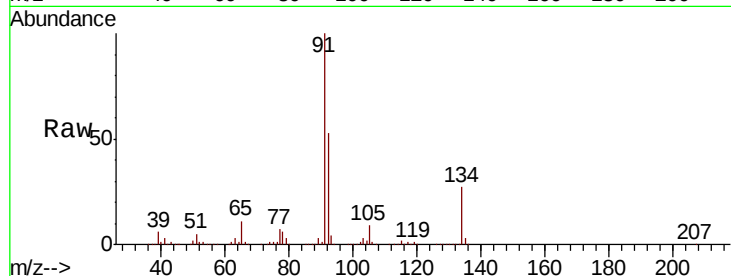




#89
n-Butylbenzene
Concen: 55.173 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

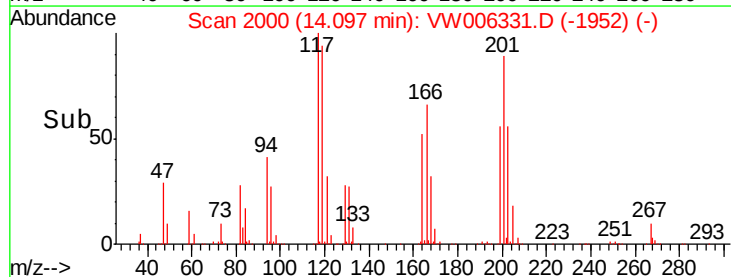
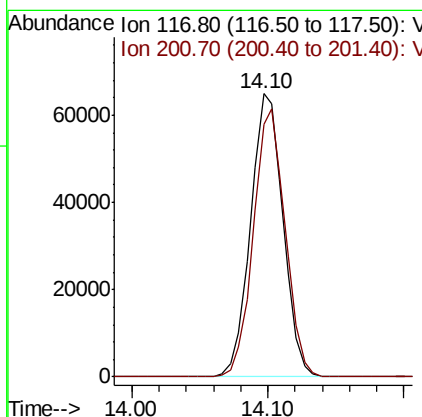
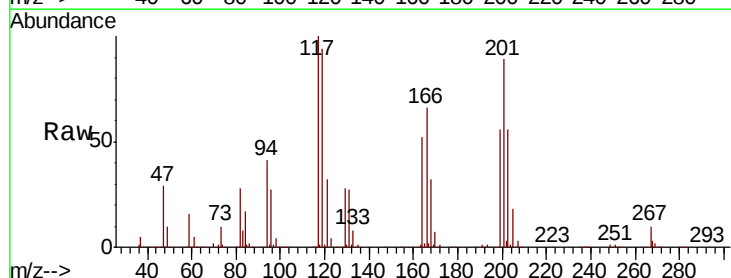
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

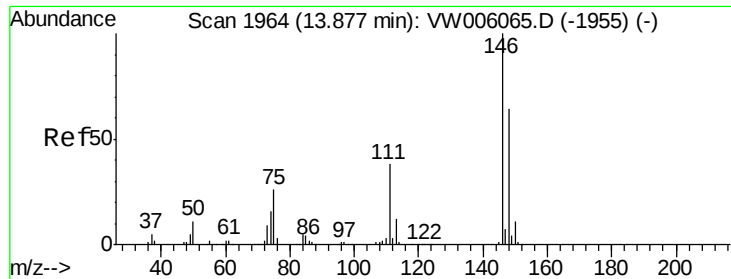
Tot Ion: 91 Resp: 613777
Ion Ratio Lower Upper
91 100
92 52.5 26.6 79.7
134 28.0 14.0 41.9



#90
Hexachloroethane
Concen: 52.648 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion: 117 Resp: 108477
Ion Ratio Lower Upper
117 100
201 92.8 45.3 135.9

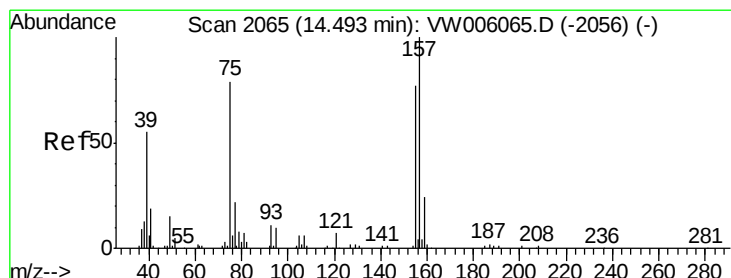
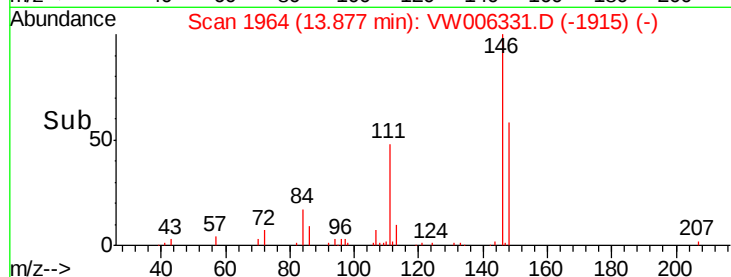
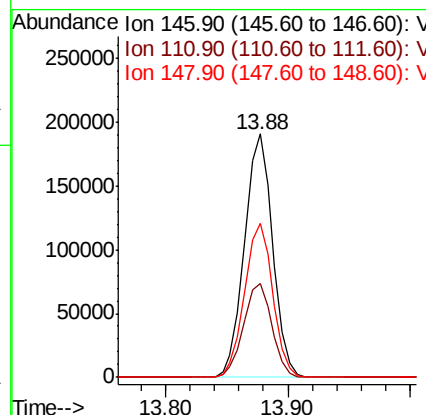
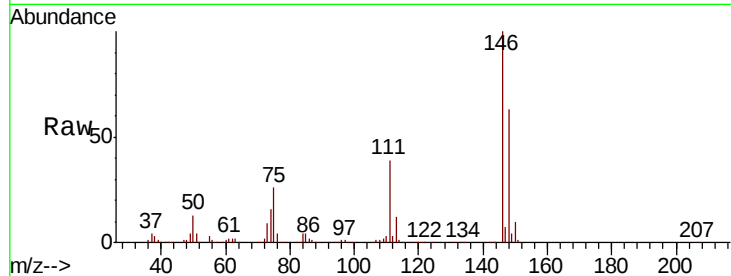




#91
 1,2-Dichlorobenzene
 Concen: 55.307 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

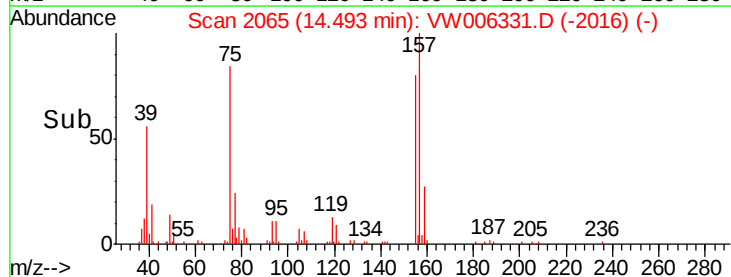
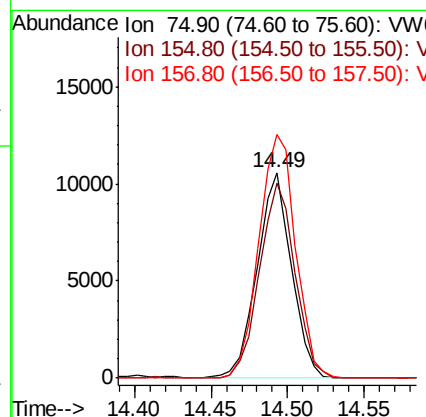
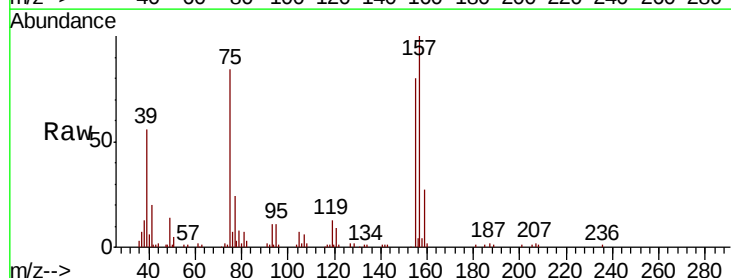
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

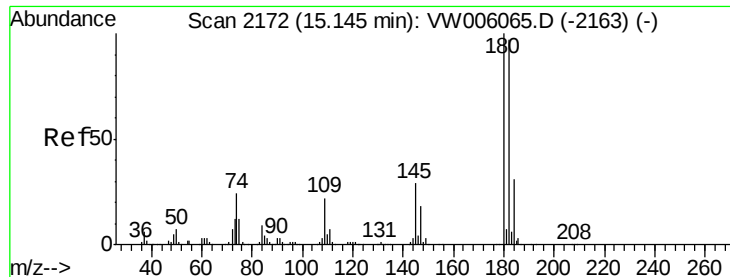
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	63.6	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.230 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	46.5	139.5
157	126.3	59.8	179.4

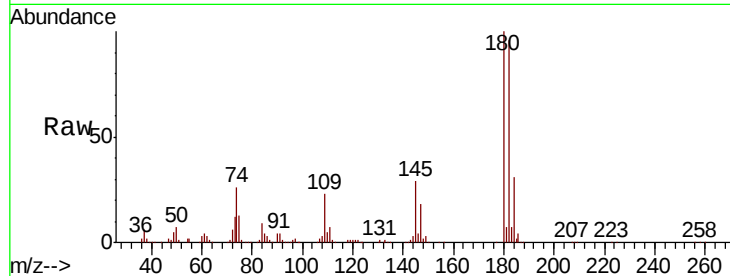




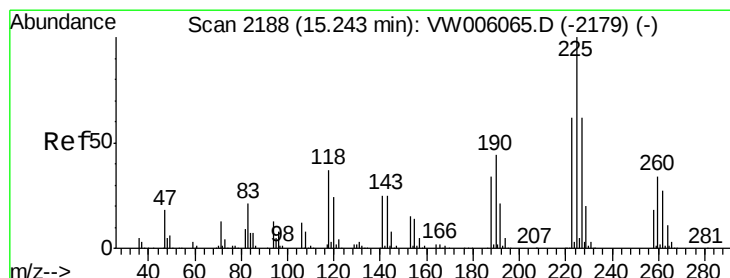
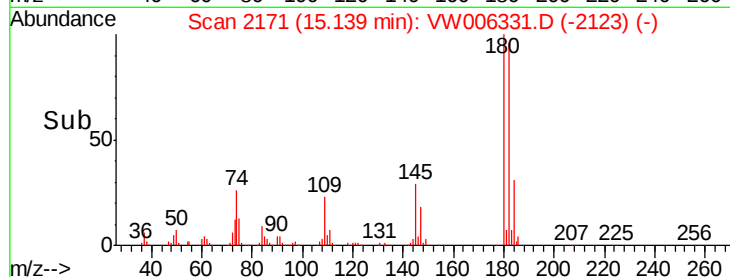
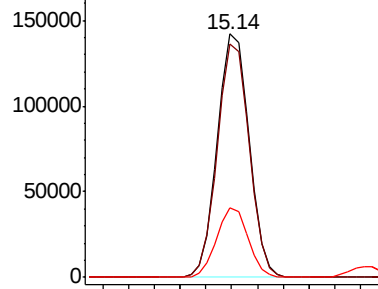
#93
 1,2,4-Trichlorobenzene
 Concen: 57.425 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 242476
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.9 143.6
 145 28.2 14.2 42.8

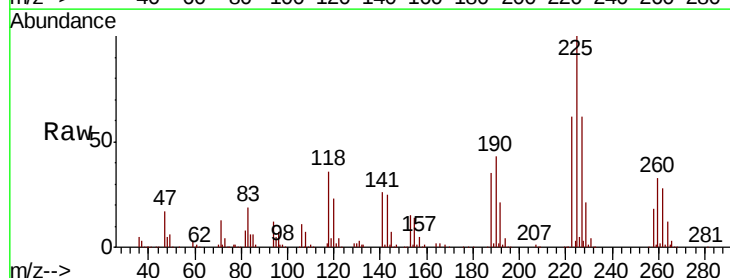


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

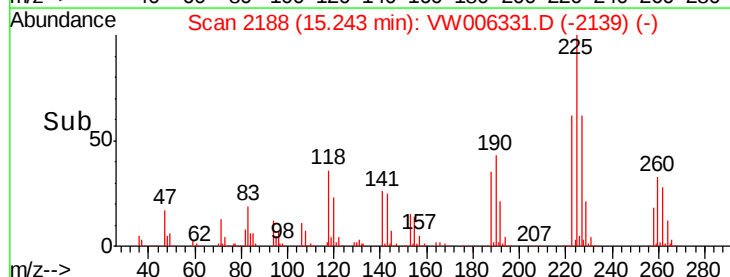
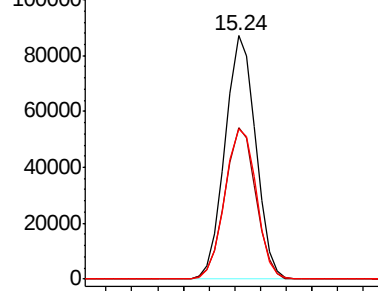


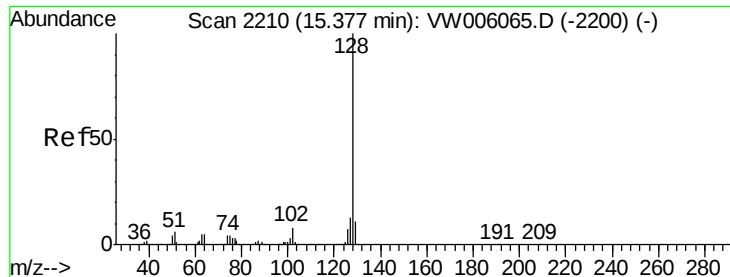
#94
 Hexachlorobutadiene
 Concen: 53.834 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006331.D
 Acq: 24 Oct 2018 22:27

Tgt Ion:225 Resp: 142797
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.1 93.5
 227 63.6 32.4 97.0



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

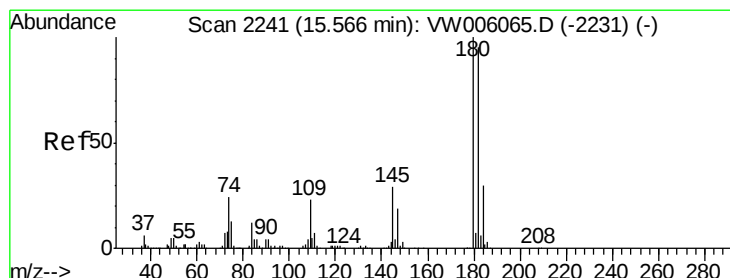
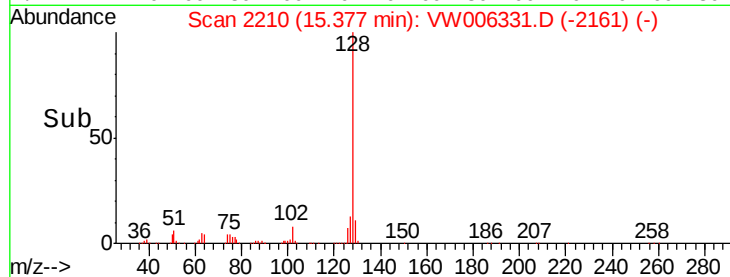
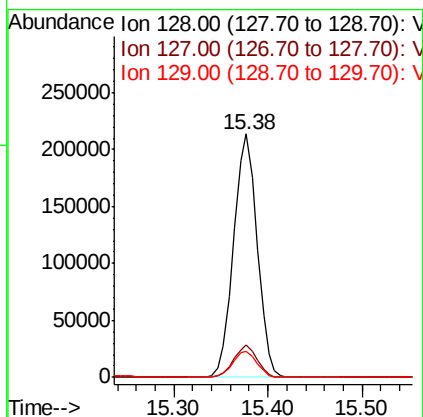
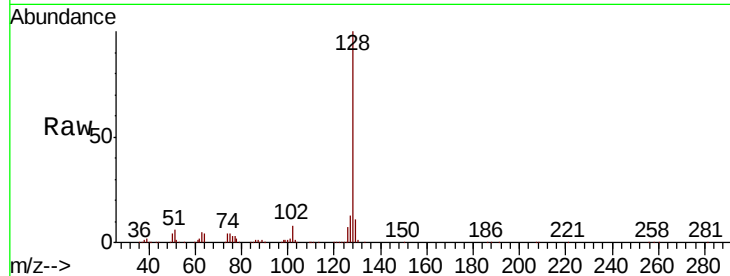




#95
Naphthalene
Concen: 52.957 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 371979
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.499 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006331.D
Acq: 24 Oct 2018 22:27

Tgt Ion:180 Resp: 199044
Ion Ratio Lower Upper
180 100
182 95.8 47.8 143.3
145 30.1 15.0 45.1

