

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102718\
 Data File : VW006376.D
 Acq On : 25 Oct 2018 23:07
 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 26 07:21:16 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	227150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	329584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	172257	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	95095	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
35) Dibromofluoromethane	7.88	113	99240	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
50) Toluene-d8	10.32	98	362305	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.62	95	141052	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	58859	52.363	ug/l	99
3) Chloromethane	2.21	50	76940	53.174	ug/l	100
4) Vinyl Chloride	2.37	62	109594	53.037	ug/l	98
5) Bromomethane	2.79	94	99013	52.682	ug/l	99
6) Chloroethane	2.93	64	82596	55.777	ug/l	97
7) Trichlorofluoromethane	3.26	101	105696	54.908	ug/l	99
8) Diethyl Ether	3.68	74	56010	54.749	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	110554	54.802	ug/l	99
10) Methyl Iodide	4.26	142	190928	56.863	ug/l	99
11) Tert butyl alcohol	5.23	59	31051	245.165	ug/l	98
12) 1,1-Dichloroethene	4.03	96	103905	54.747	ug/l	93
13) Acrolein	3.90	56	27819	226.994	ug/l	97
14) Allyl chloride	4.67	41	144203	53.139	ug/l	99
15) Acrylonitrile	5.37	53	107862	293.951	ug/l	100
16) Acetone	4.15	43	101108	288.459	ug/l	100
17) Carbon Disulfide	4.37	76	285081	49.770	ug/l	99
18) Methyl Acetate	4.68	43	56804	59.938	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	163868	56.688	ug/l	99
20) Methylene Chloride	4.91	84	113795	57.347	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	119944	56.619	ug/l	99
22) Diisopropyl ether	6.31	45	304050	56.697	ug/l	99
23) Vinyl Acetate	6.26	43	881832	278.636	ug/l	99
24) 1,1-Dichloroethane	6.21	63	201347	58.187	ug/l	98
25) 2-Butanone	7.18	43	145321	285.647	ug/l	98
26) 2,2-Dichloropropane	7.17	77	123527	50.614	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	137329	58.744	ug/l	98
28) Bromochloromethane	7.51	49	80331	60.133	ug/l	95
29) Tetrahydrofuran	7.54	42	87264	279.054	ug/l	97
30) Chloroform	7.68	83	222133	58.920	ug/l	98
31) Cyclohexane	7.95	56	170582	49.501	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	187810	55.225	ug/l	99
36) 1,1-Dichloropropene	8.09	75	167856	55.255	ug/l	99
37) Ethyl Acetate	7.26	43	63871	56.589	ug/l	99
38) Carbon Tetrachloride	8.07	117	177504	53.301	ug/l	97

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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)
39) Methylcyclohexane	9.34	83	215280	53.312	ug/l	99
40) Benzene	8.32	78	478540	57.427	ug/l	99
41) Methacrylonitrile	7.49	41	36531	53.690	ug/l	92
42) 1,2-Dichloroethane	8.40	62	142652	58.267	ug/l	99
43) Isopropyl Acetate	8.43	43	126864	54.973	ug/l	99
44) Trichloroethene	9.09	130	146113	57.152	ug/l	99
45) 1,2-Dichloropropane	9.37	63	113892	57.116	ug/l	99
46) Dibromomethane	9.46	93	66575	58.579	ug/l	98
47) Bromodichloromethane	9.65	83	156772	56.896	ug/l	99
48) Methyl methacrylate	9.44	41	61223	55.968	ug/l	94
49) 1,4-Dioxane	9.48	88	20434	1167.916	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	327740	283.448	ug/l	98
52) Toluene	10.39	92	319327	57.159	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	154487	56.274	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	176500	56.019	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	94056	59.139	ug/l	98
56) Ethyl methacrylate	10.65	69	113538	58.233	ug/l	97
57) 1,3-Dichloropropane	10.93	76	154124	58.541	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	199350	267.581	ug/l	98
59) 2-Hexanone	10.97	43	226313	274.192	ug/l	97
60) Dibromochloromethane	11.13	129	114026	57.559	ug/l	99
61) 1,2-Dibromoethane	11.24	107	94441	59.430	ug/l	100
64) Tetrachloroethene	10.87	164	133065	56.803	ug/l	99
65) Chlorobenzene	11.66	112	375445	58.121	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	133495	58.151	ug/l	99
67) Ethyl Benzene	11.74	91	638600	57.044	ug/l	99
68) m/p-Xylenes	11.84	106	505900	114.332	ug/l	99
69) o-Xylene	12.17	106	243347	57.706	ug/l	97
70) Styrene	12.18	104	399945	58.323	ug/l	99
71) Bromoform	12.35	173	71586	55.907	ug/l	99
73) Isopropylbenzene	12.47	105	677345	55.660	ug/l	100
74) N-amyl acetate	12.28	43	124466	52.659	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	109346	59.077	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	137067	104.178	ug/l #	100
77) Bromobenzene	12.75	156	171744	57.619	ug/l	98
78) n-propylbenzene	12.81	91	786684	55.564	ug/l	100
79) 2-Chlorotoluene	12.90	91	445620	56.018	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	570752	55.634	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	28387	51.574	ug/l	97
82) 4-Chlorotoluene	12.99	91	470450	56.456	ug/l	99
83) tert-Butylbenzene	13.21	119	514919	56.099	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	579832	55.854	ug/l	100
85) sec-Butylbenzene	13.39	105	719348	55.474	ug/l	100
86) p-Isopropyltoluene	13.51	119	656409	55.965	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	339004	57.148	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	336512	56.974	ug/l	99
89) n-Butylbenzene	13.83	91	588193	54.835	ug/l	99
90) Hexachloroethane	14.10	117	105888	53.299	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	303014	57.266	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18004	54.329	ug/l	95

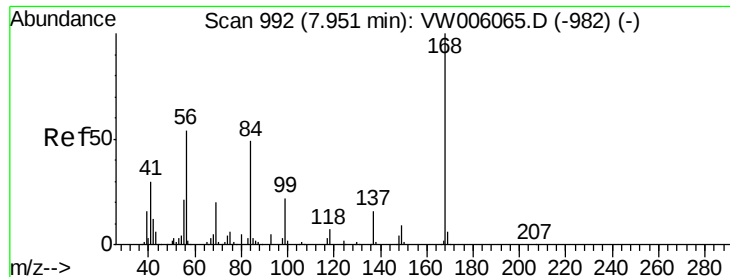
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102718\
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QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	230499	56.614	ug/l	100
94) Hexachlorobutadiene	15.24	225	140987	55.124	ug/l	99
95) Naphthalene	15.38	128	393244	58.062	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	202081	57.384	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: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

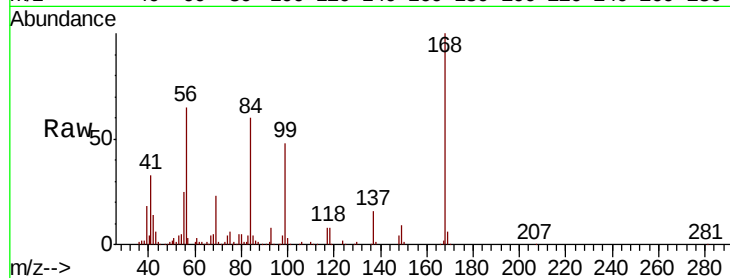
VSTDCCC050

Tot Ion:168 Resp: 227150

Ion Ratio Lower Upper

168 100

99 48.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

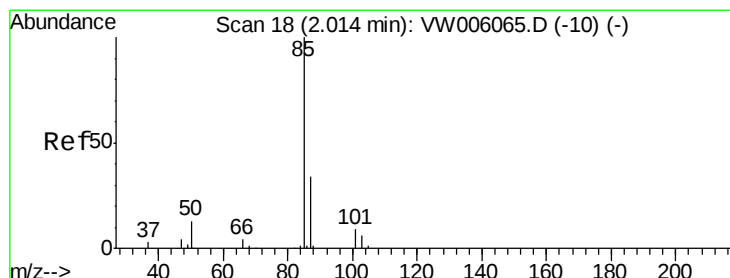
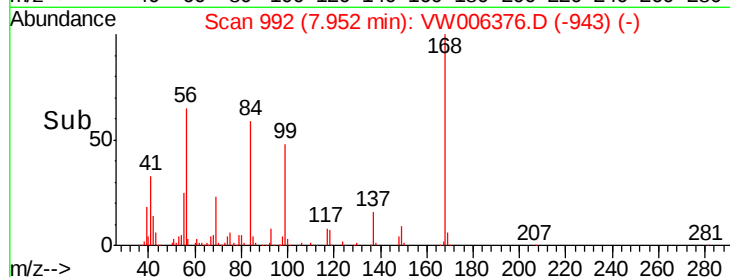
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 52.363 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006376.D

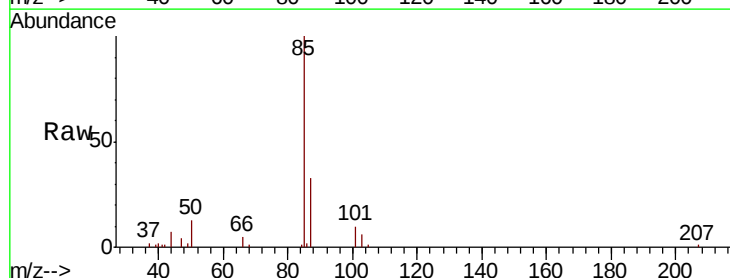
Acq: 25 Oct 2018 23:07

Tgt Ion: 85 Resp: 58859

Ion Ratio Lower Upper

85 100

87 32.9 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

15000

10000

5000

0

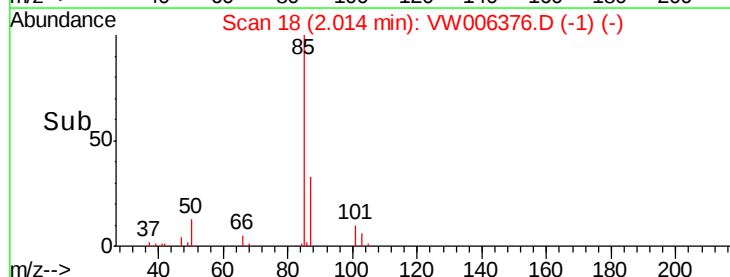
1.90

2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 53.174 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

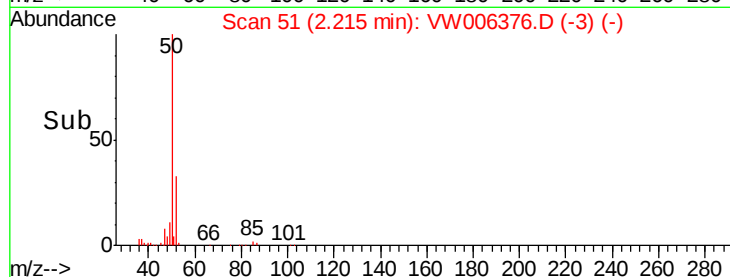
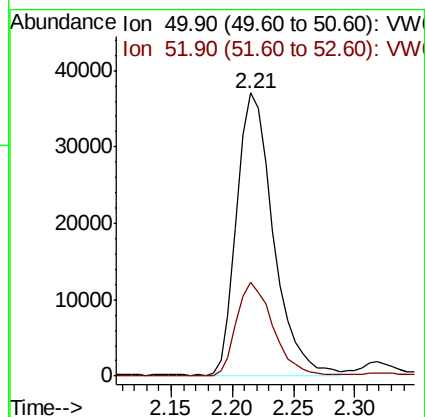
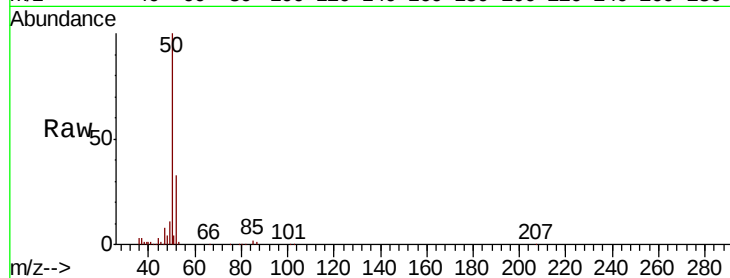
VSTDCCC050

Tot Ion: 50 Resp: 76940

Ion Ratio Lower Upper

50 100

52 33.3 26.8 40.2



#4

Vinyl Chloride

Concen: 53.037 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006376.D

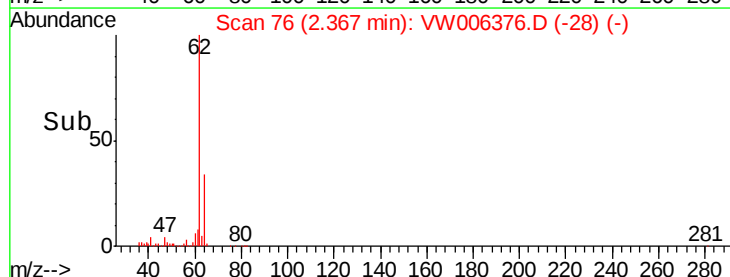
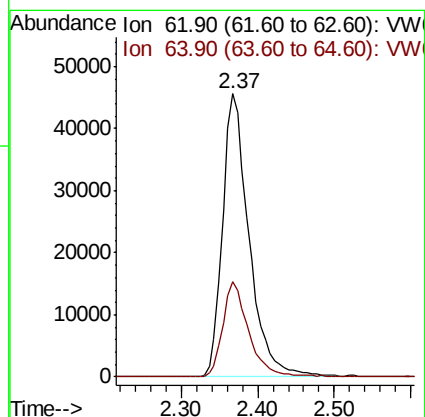
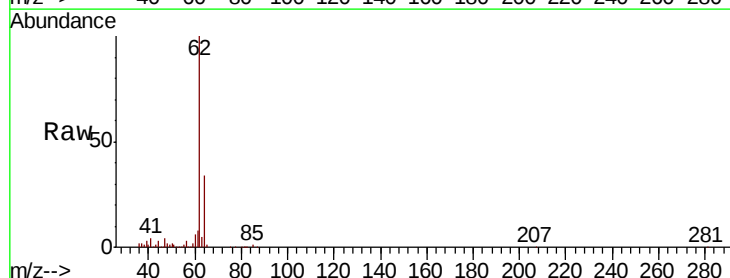
Acq: 25 Oct 2018 23:07

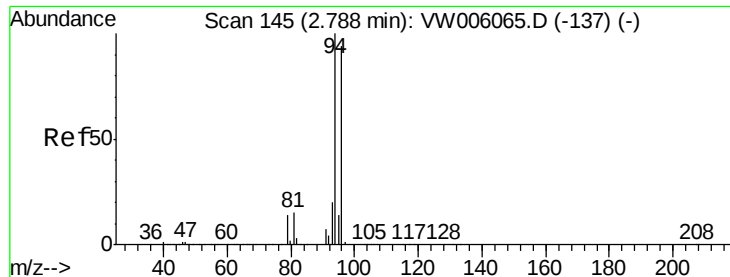
Tgt Ion: 62 Resp: 109594

Ion Ratio Lower Upper

62 100

64 33.5 25.9 38.9





#5

Bromomethane

Concen: 52.682 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

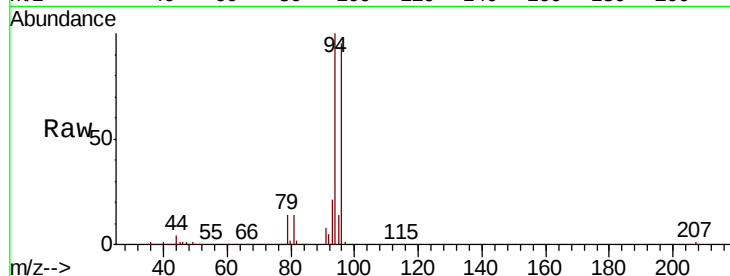
VSTDCCC050

Tot Ion: 94 Resp: 99013

Ion Ratio Lower Upper

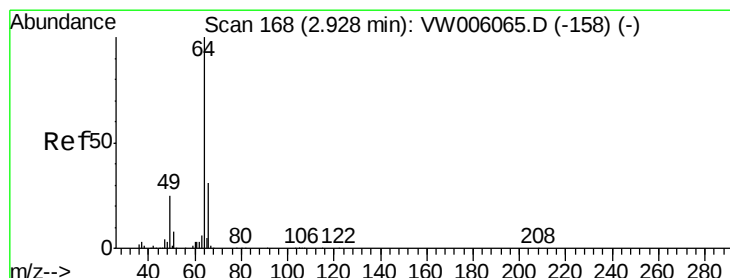
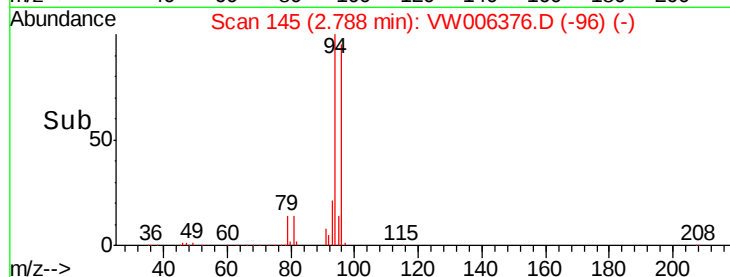
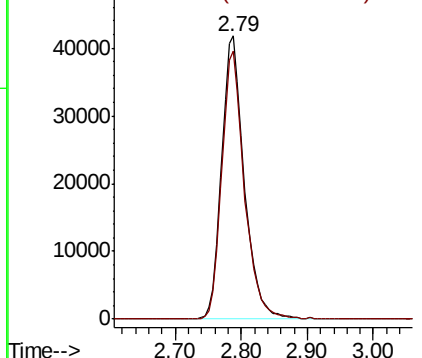
94 100

96 94.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 55.777 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006376.D

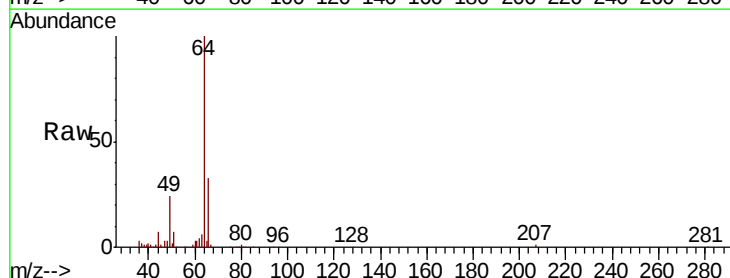
Acq: 25 Oct 2018 23:07

Tgt Ion: 64 Resp: 82596

Ion Ratio Lower Upper

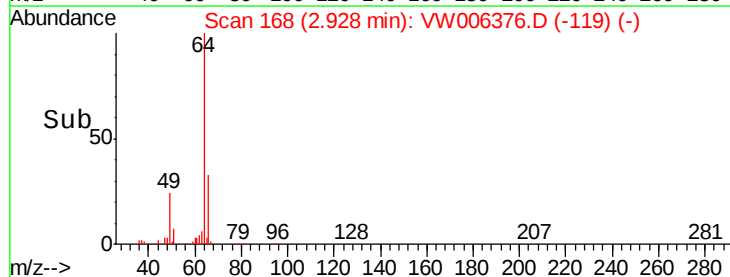
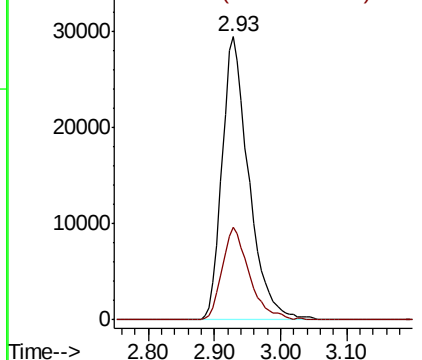
64 100

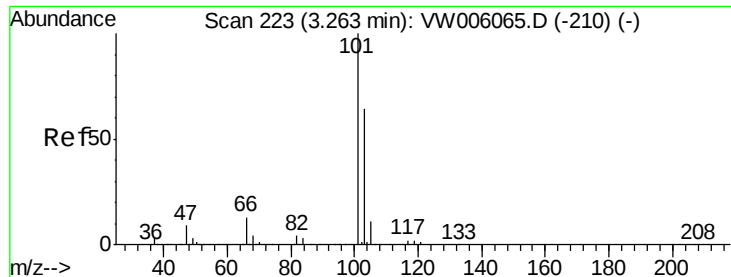
66 32.6 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



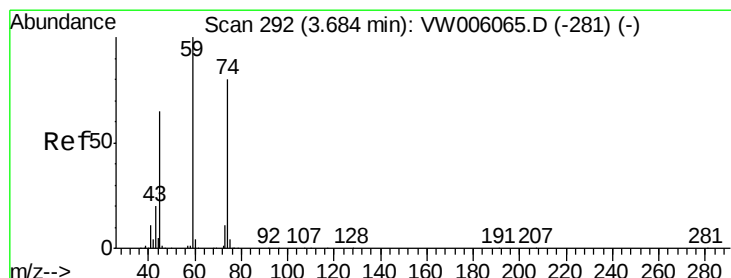
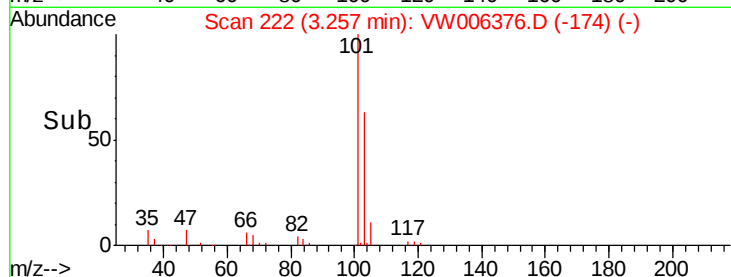
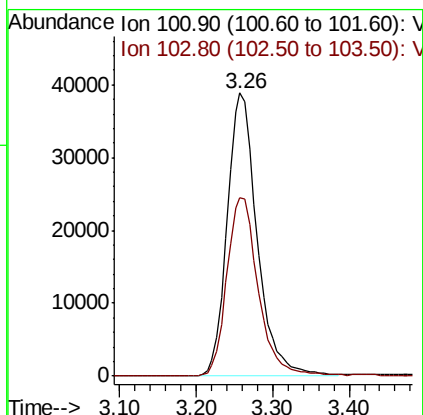
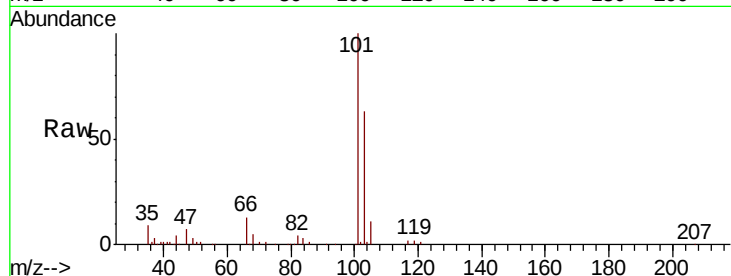


#7

Trichlorofluoromethane
Concen: 54.908 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

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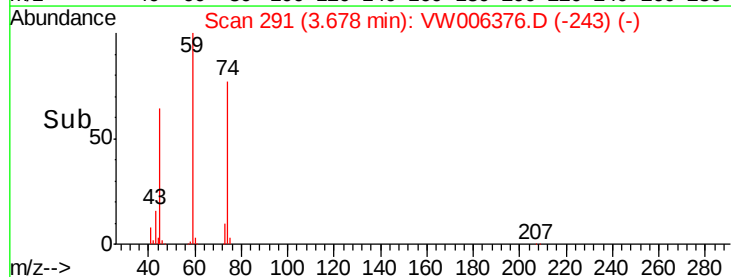
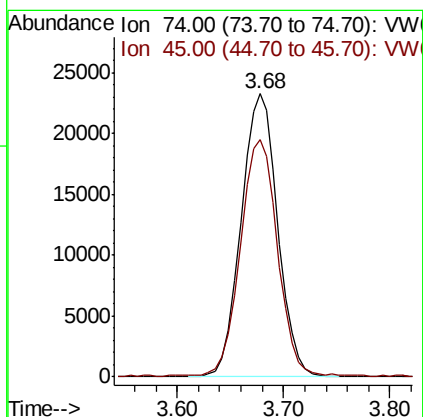
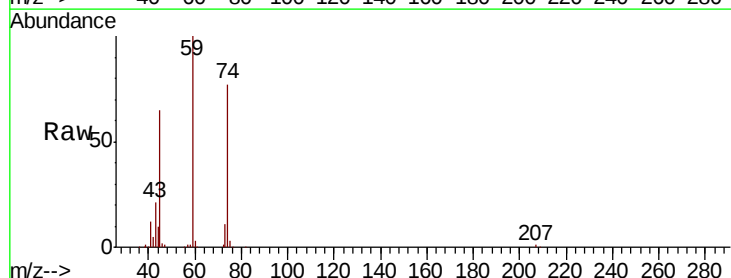
Tot Ion:101 Resp: 105696
Ion Ratio Lower Upper
101 100
103 63.1 51.2 76.8



#8

Diethyl Ether
Concen: 54.749 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Tgt Ion: 74 Resp: 56010
Ion Ratio Lower Upper
74 100
45 84.7 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.802 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

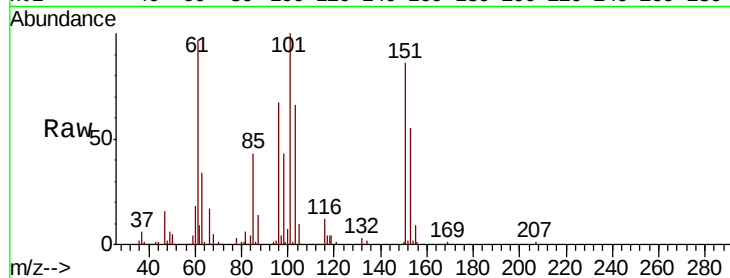
Tot Ion:101 Resp: 110554

Ion Ratio Lower Upper

101 100

85 43.3 34.9 52.3

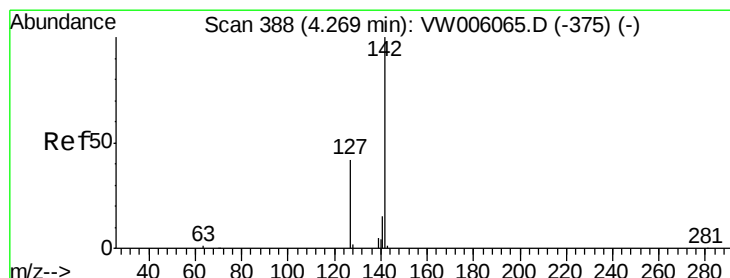
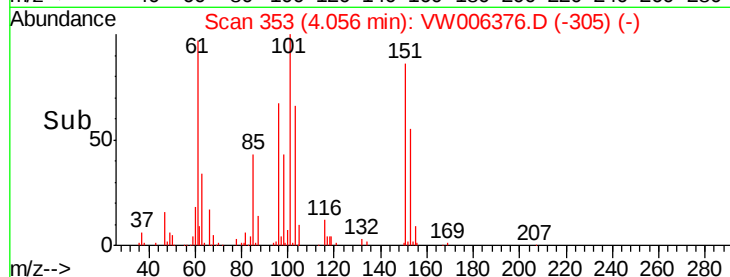
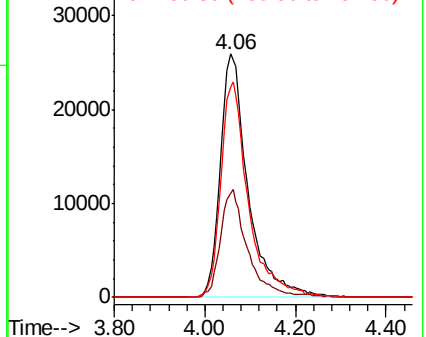
151 87.0 70.4 105.6



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: 56.863 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

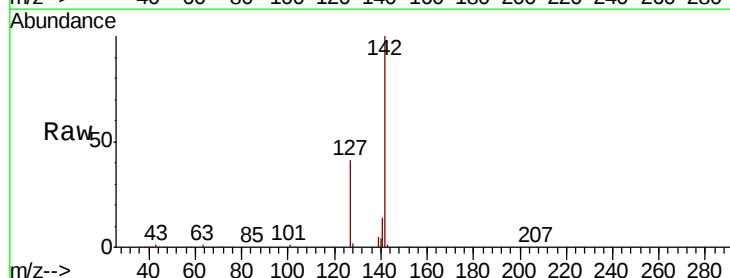
Tgt Ion:142 Resp: 190928

Ion Ratio Lower Upper

142 100

127 41.2 33.6 50.4

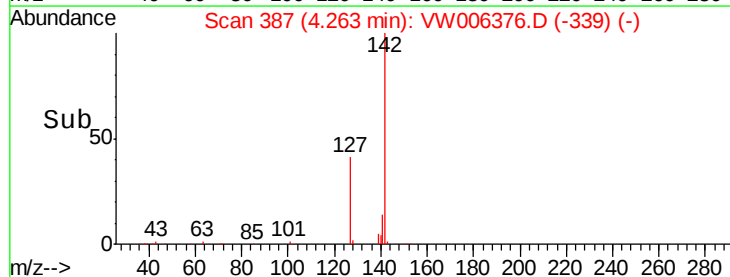
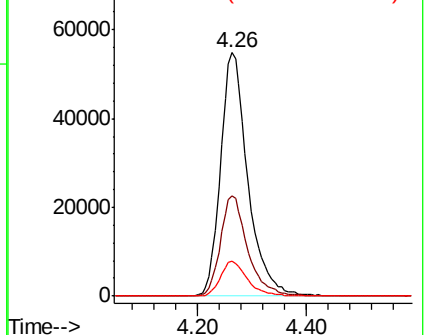
141 14.3 11.6 17.4

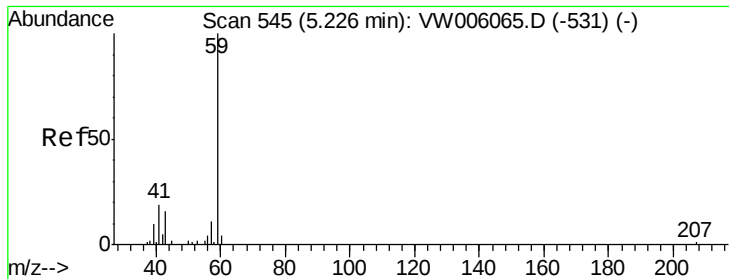


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



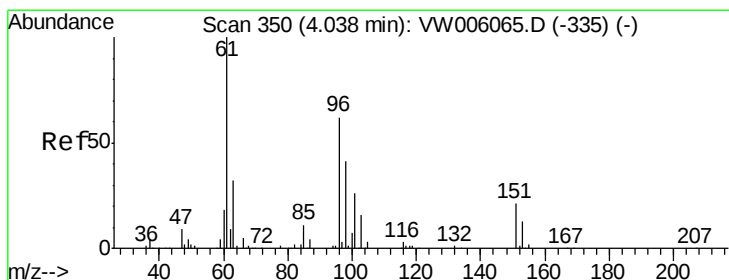
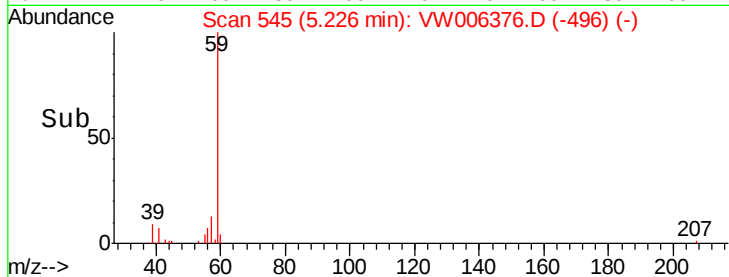
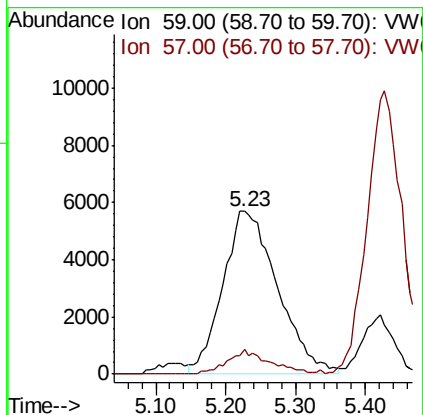
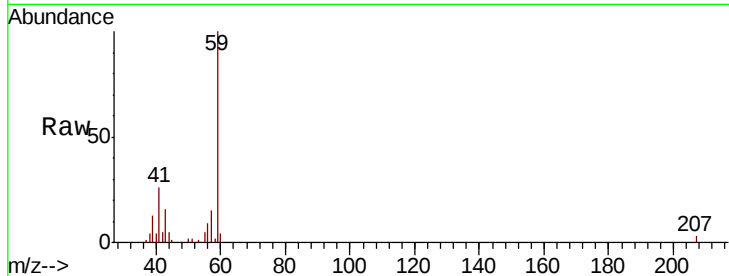


#11

Tert butyl alcohol
Concen: 245.165 ug/l
RT: 5.23 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

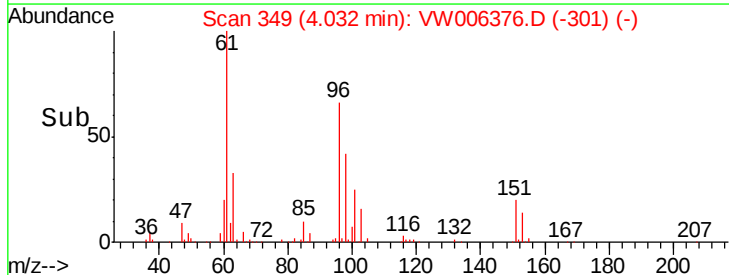
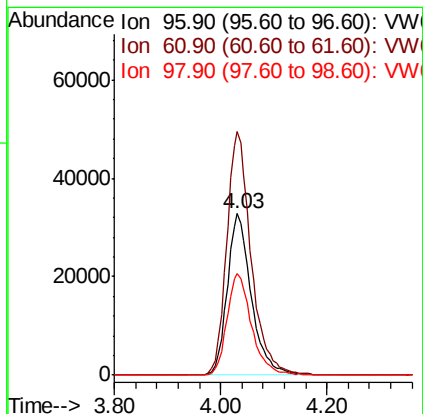
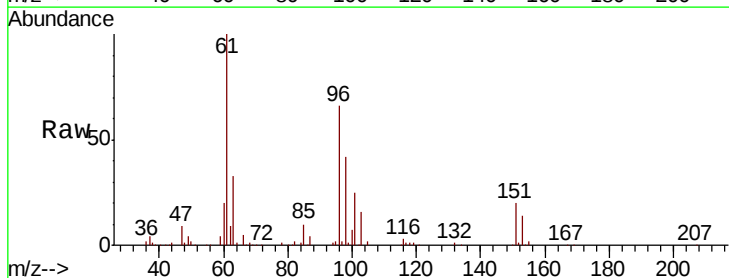
Tot Ion: 59 Resp: 31051
Ion Ratio Lower Upper
59 100
57 11.6 8.7 13.1

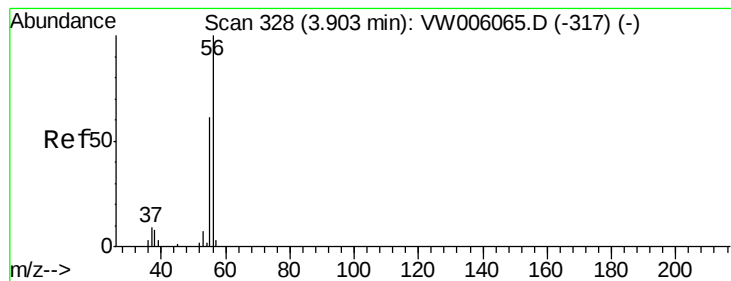


#12

1,1-Dichloroethene
Concen: 54.747 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Tgt Ion: 96 Resp: 103905
Ion Ratio Lower Upper
96 100
61 151.1 129.3 193.9
98 63.4 53.1 79.7





#13

Acrolein

Concen: 226.994 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

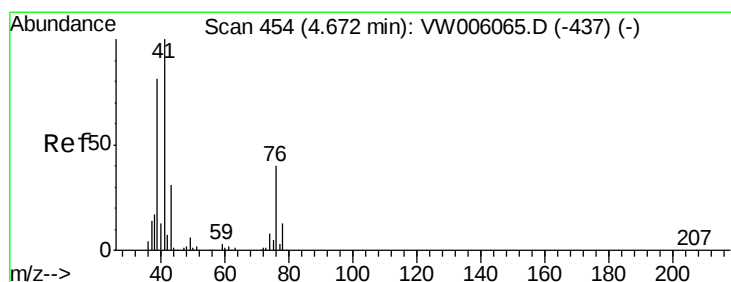
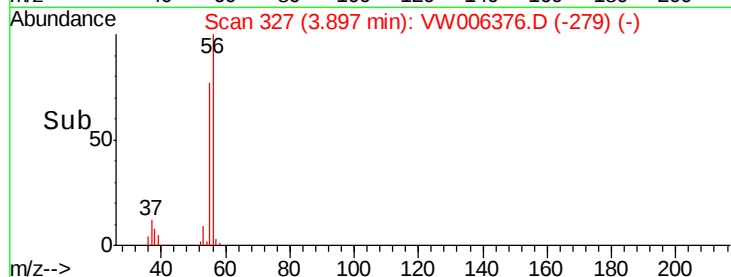
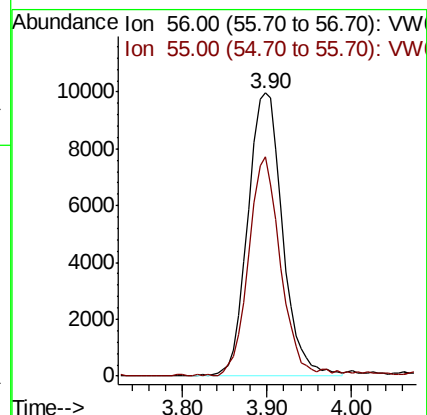
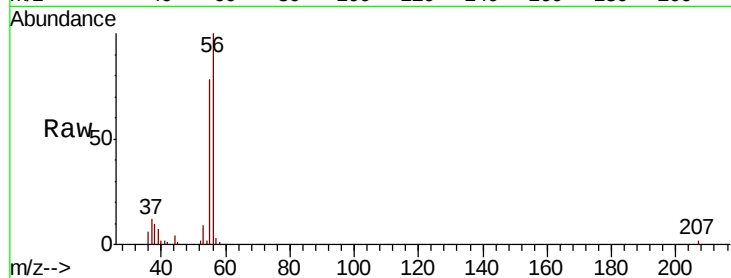
VSTDCCC050

Tot Ion: 56 Resp: 27819

Ion Ratio Lower Upper

56 100

55 70.3 54.5 81.7



#14

Allyl chloride

Concen: 53.139 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

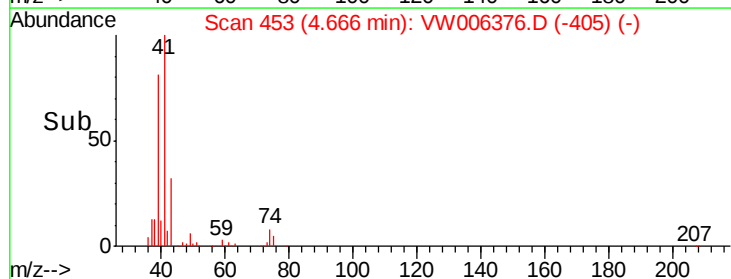
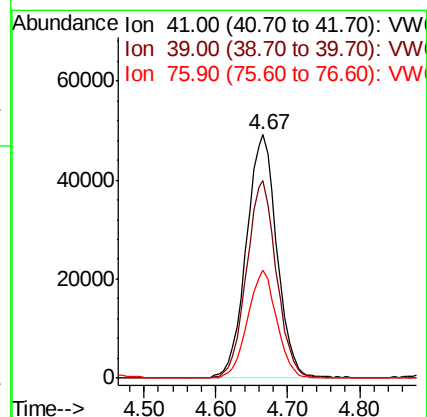
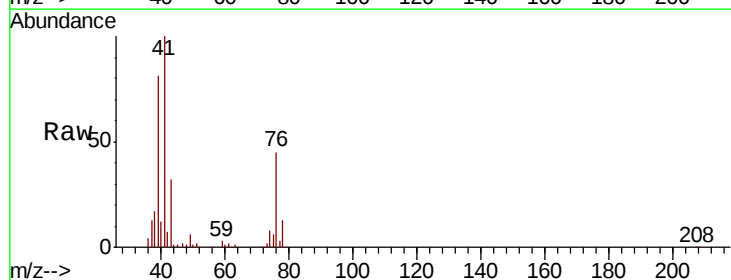
Tgt Ion: 41 Resp: 144203

Ion Ratio Lower Upper

41 100

39 80.0 64.1 96.1

76 42.2 32.2 48.4





#15

Acrylonitrile

Concen: 293.951 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

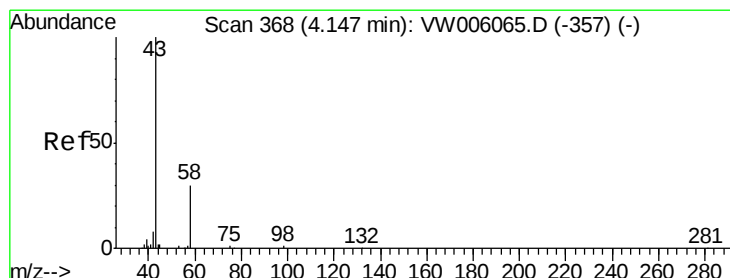
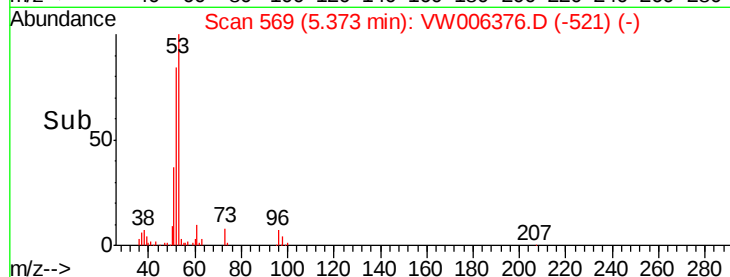
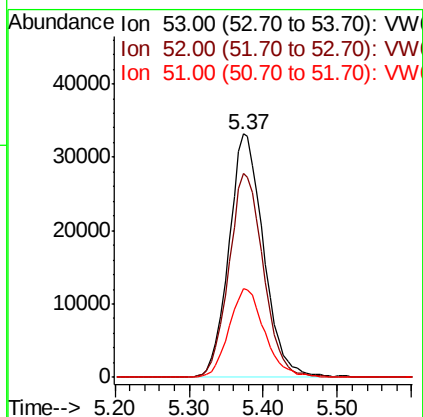
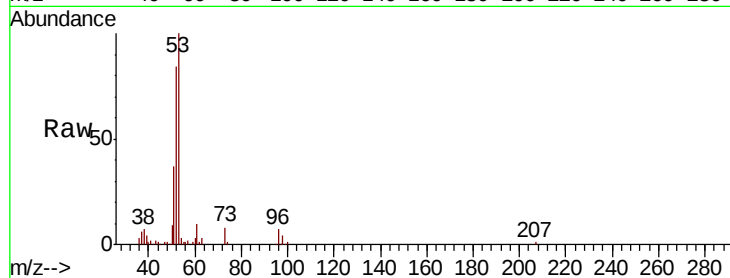
Tot Ion: 53 Resp: 107862

Ion Ratio Lower Upper

53 100

52 83.3 66.9 100.3

51 37.6 30.1 45.1



#16

Acetone

Concen: 288.459 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006376.D

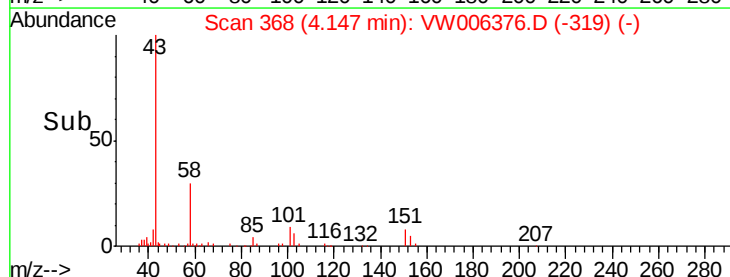
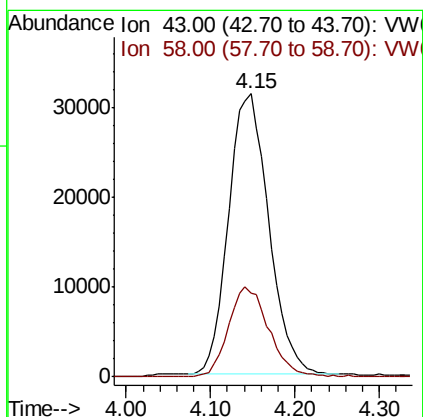
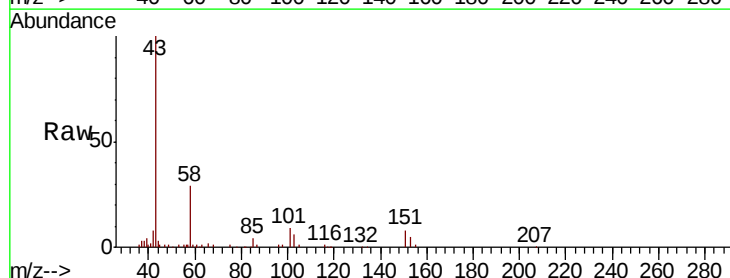
Acq: 25 Oct 2018 23:07

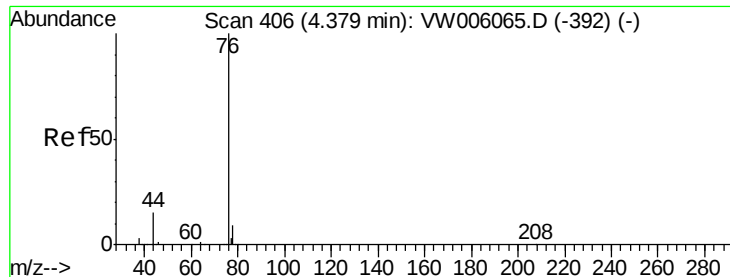
Tgt Ion: 43 Resp: 101108

Ion Ratio Lower Upper

43 100

58 29.8 24.0 36.0





#17

Carbon Disulfide

Concen: 49.770 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

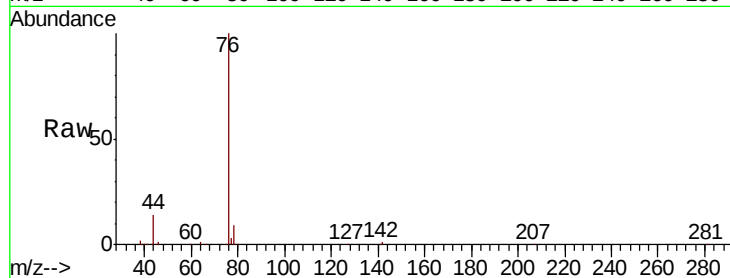
VSTDCCC050

Tot Ion: 76 Resp: 285081

Ion Ratio Lower Upper

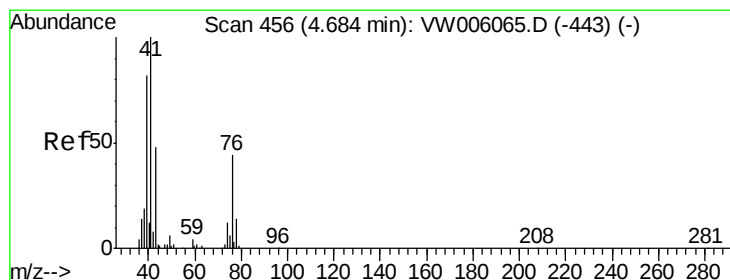
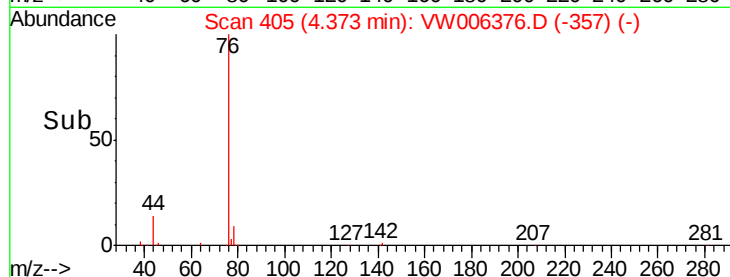
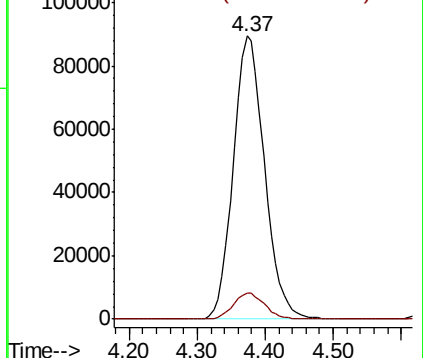
76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 59.938 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006376.D

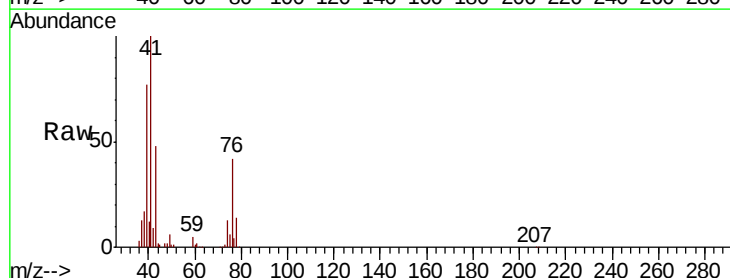
Acq: 25 Oct 2018 23:07

Tgt Ion: 43 Resp: 56804

Ion Ratio Lower Upper

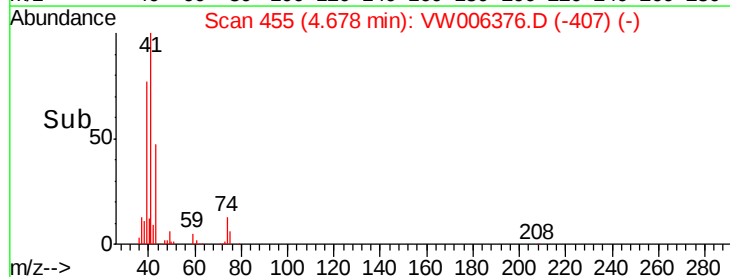
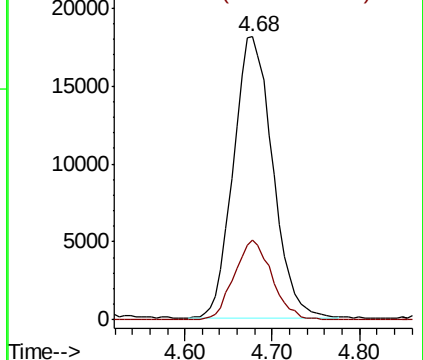
43 100

74 27.2 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



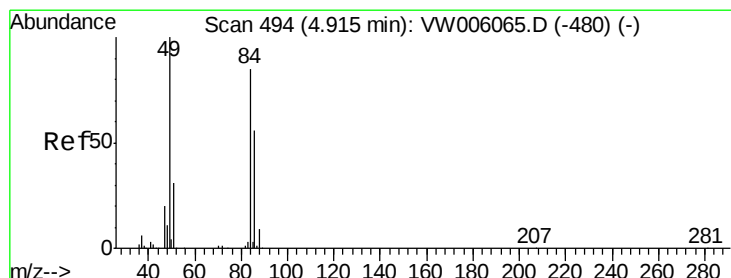
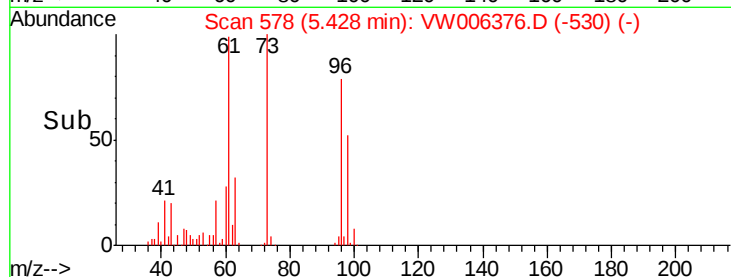
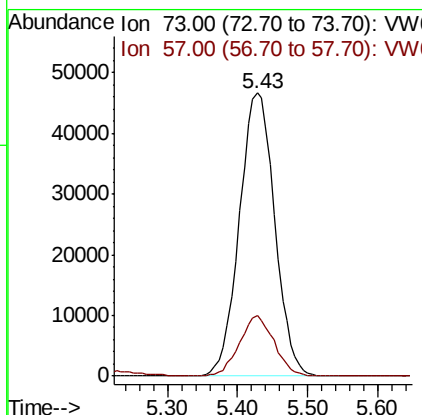
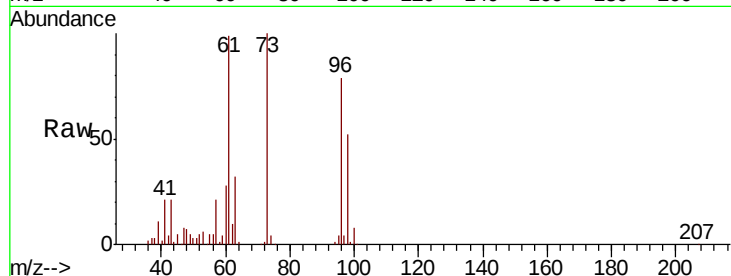


#19

Methyl tert-butyl Ether
 Concen: 56.688 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW006376.D
 Acq: 25 Oct 2018 23:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

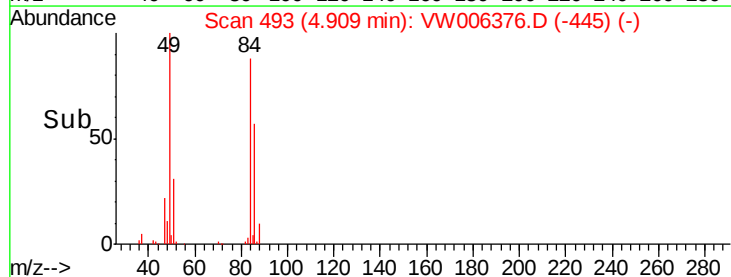
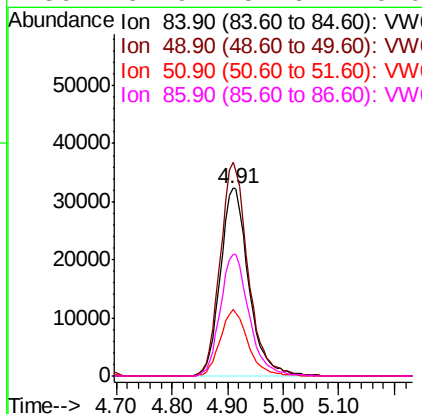
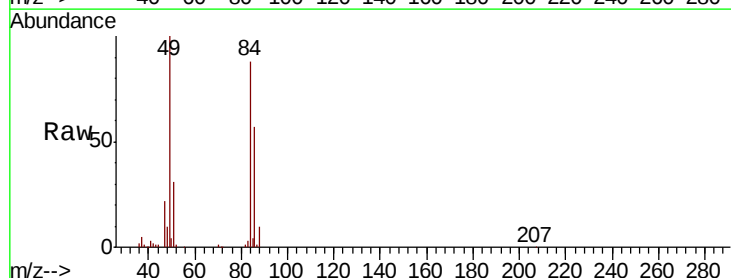
Tot Ion: 73 Resp: 163868
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.4 26.2

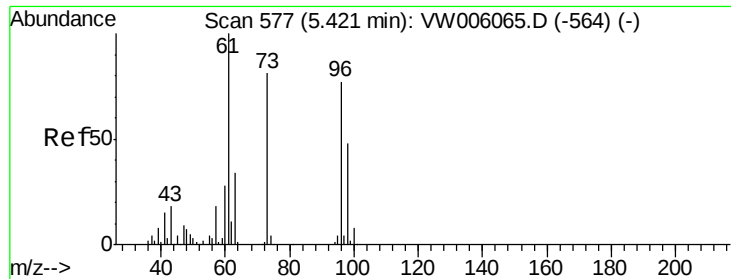


#20

Methylene Chloride
 Concen: 57.347 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW006376.D
 Acq: 25 Oct 2018 23:07

Tgt Ion: 84 Resp: 113795
 Ion Ratio Lower Upper
 84 100
 49 113.7 93.6 140.4
 51 35.2 29.0 43.4
 86 64.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 56.619 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

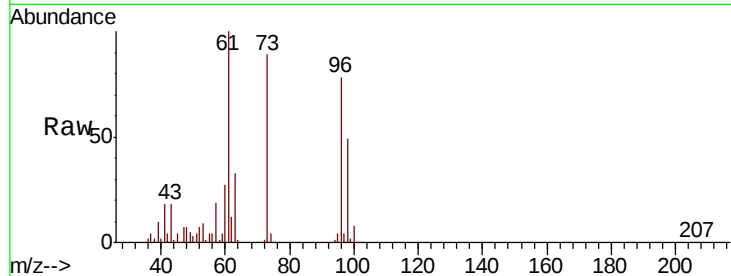
Tot Ion: 96 Resp: 119944

Ion Ratio Lower Upper

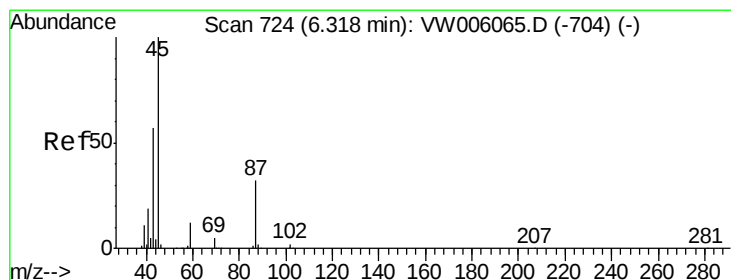
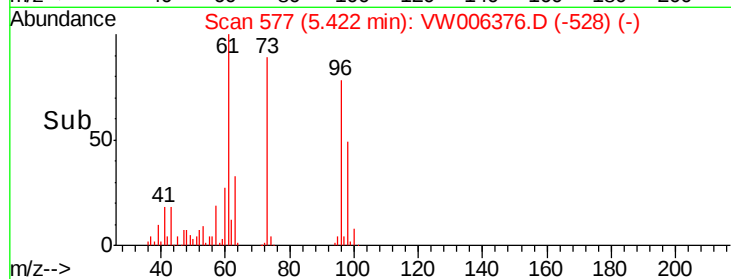
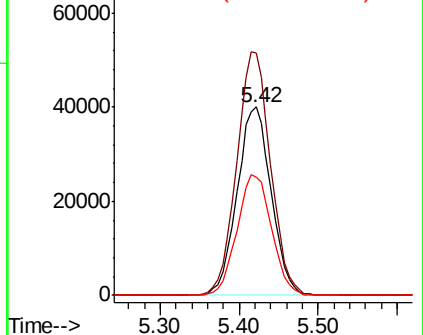
96 100

61 128.8 104.5 156.7

98 62.9 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: 56.697 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Tgt Ion: 45 Resp: 304050

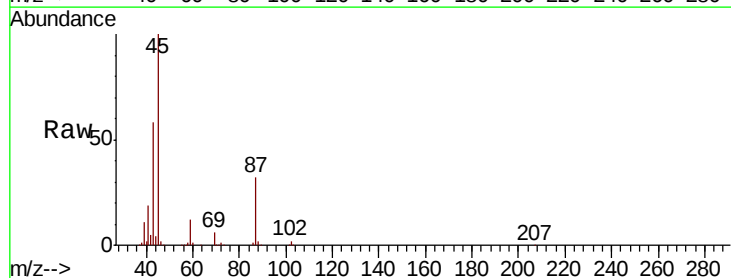
Ion Ratio Lower Upper

45 100

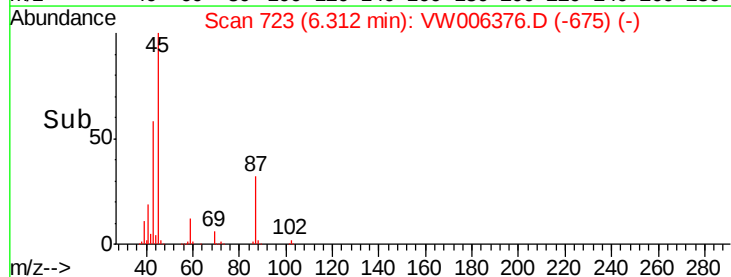
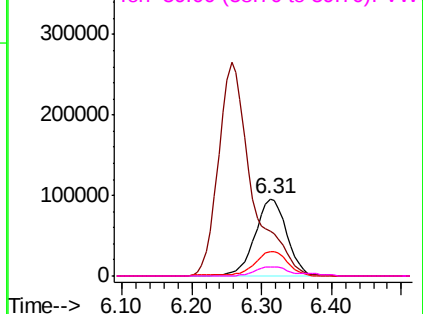
43 57.4 45.7 68.5

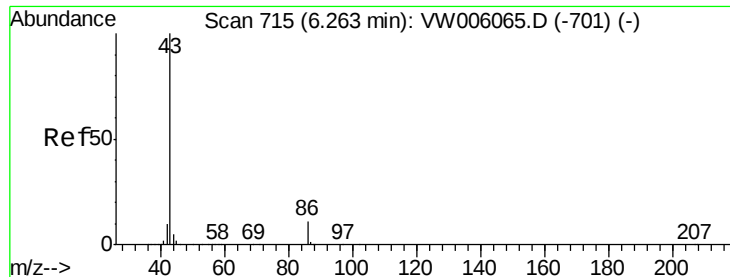
87 31.6 25.9 38.9

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: 278.636 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

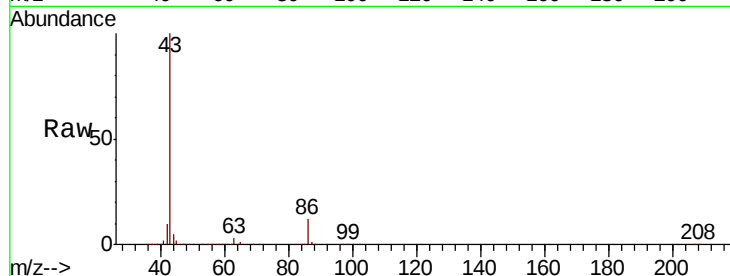
VSTDCCC050

Tot Ion: 43 Resp: 881832

Ion Ratio Lower Upper

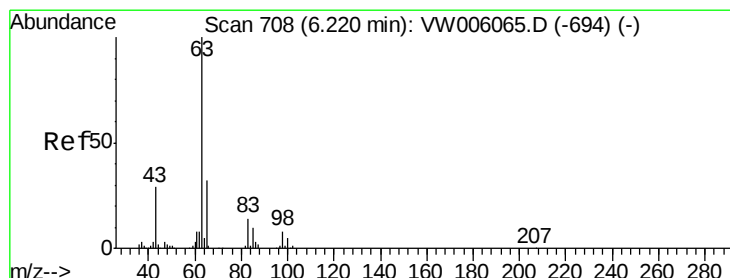
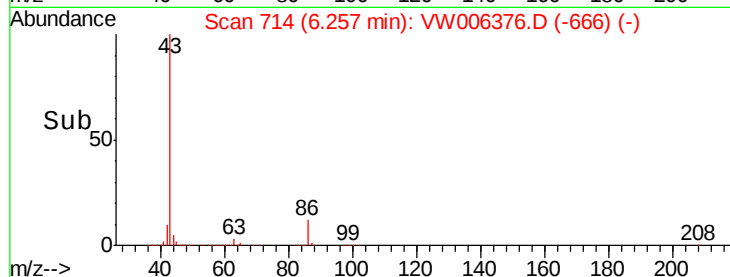
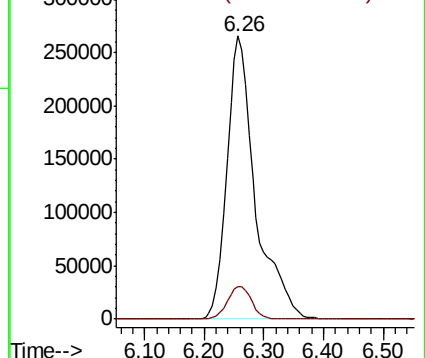
43 100

86 11.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 58.187 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

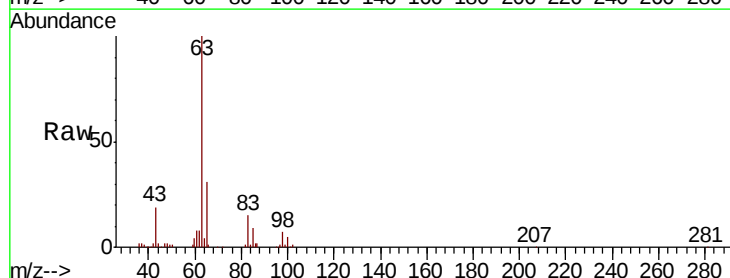
Tgt Ion: 63 Resp: 201347

Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.2

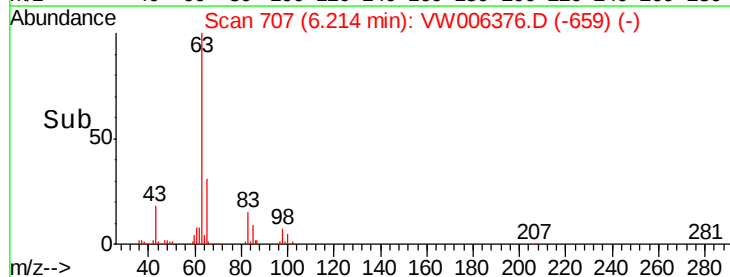
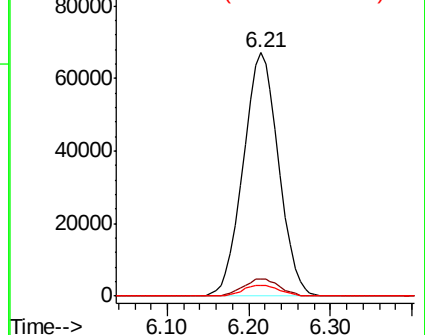
100 4.6 2.5 7.5



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





#25

2-Butanone

Concen: 285.647 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

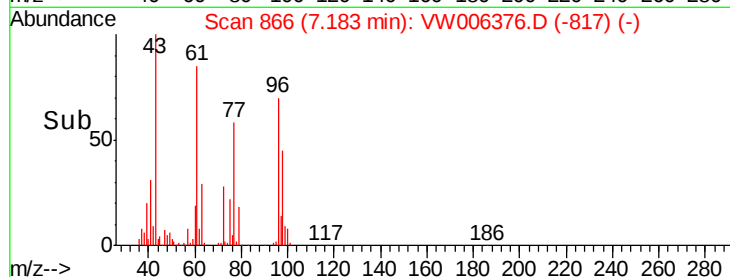
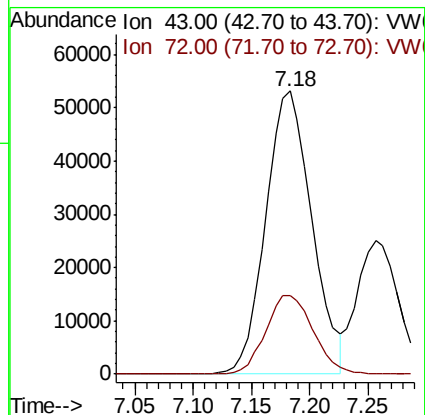
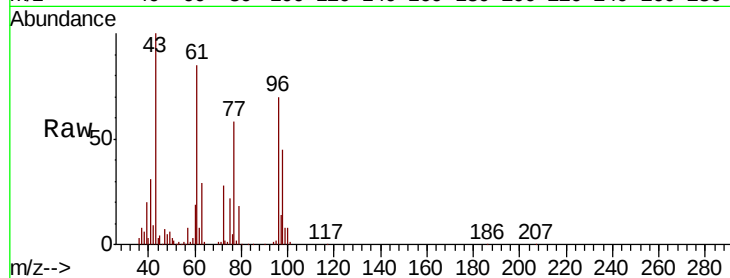
VSTDCCC050

Tot Ion: 43 Resp: 145321

Ion Ratio Lower Upper

43 100

72 27.7 22.8 34.2



#26

2,2-Dichloropropane

Concen: 50.614 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006376.D

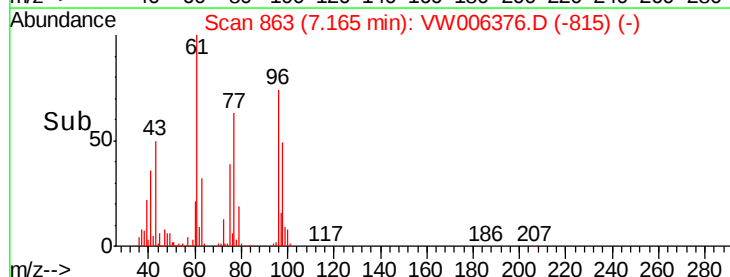
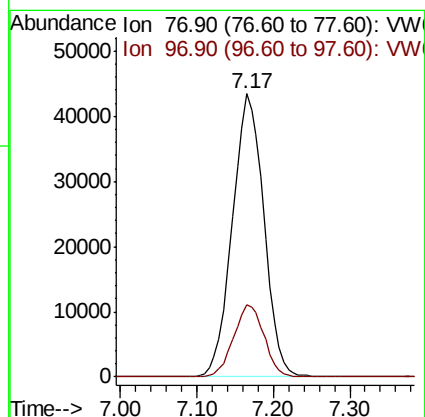
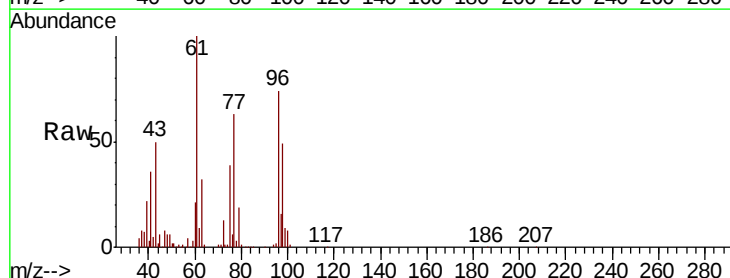
Acq: 25 Oct 2018 23:07

Tgt Ion: 77 Resp: 123527

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.4



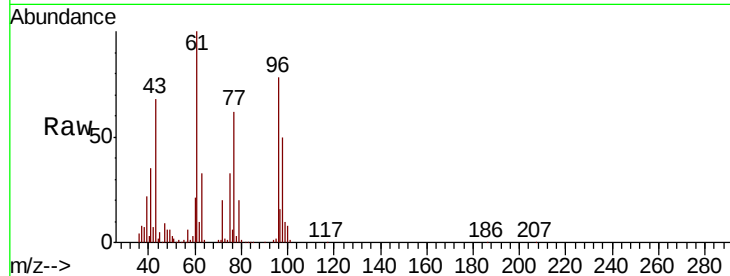


#27

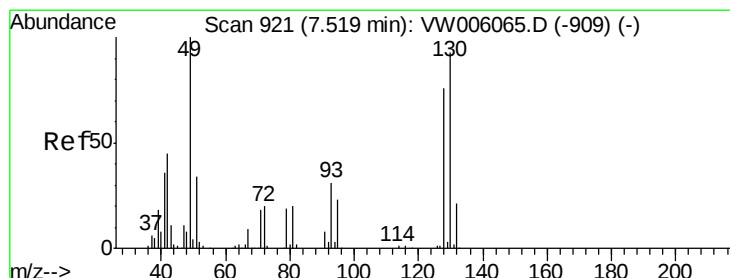
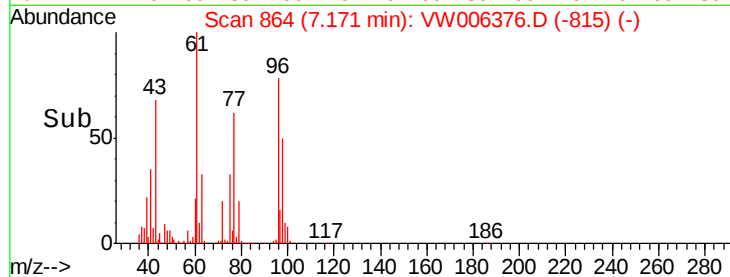
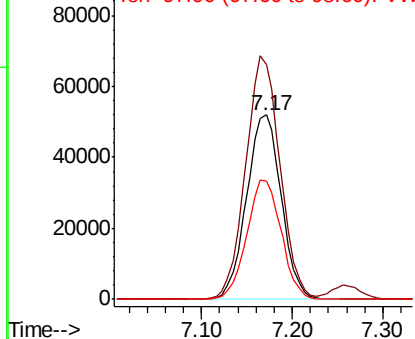
cis-1,2-Dichloroethene
Concen: 58.744 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	267.2
98	64.4	0.0	128.6



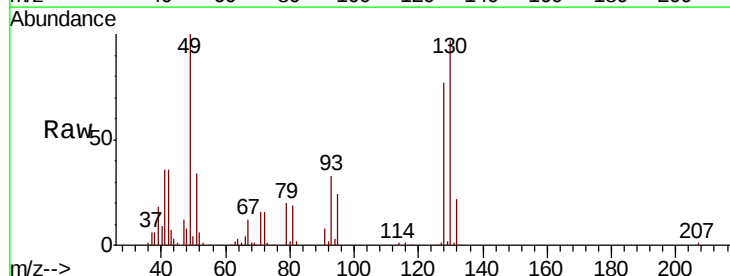
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



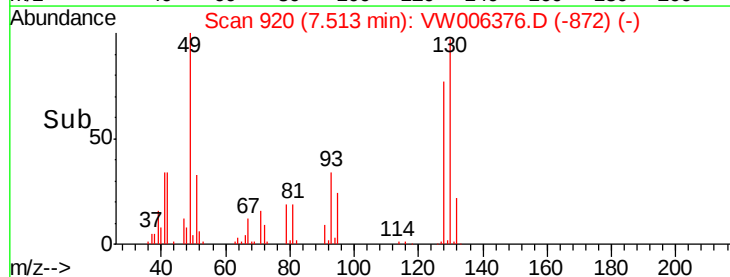
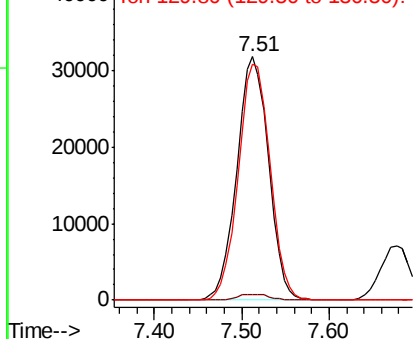
#28

Bromochloromethane
Concen: 60.133 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	97.3	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: 279.054 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

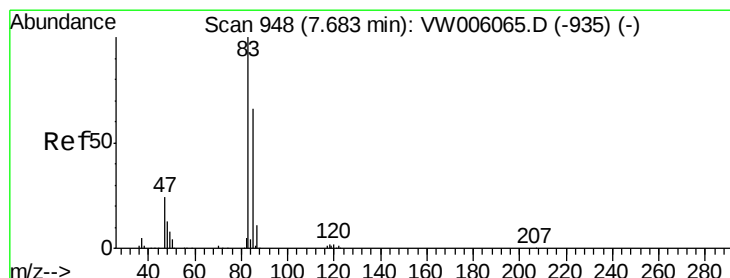
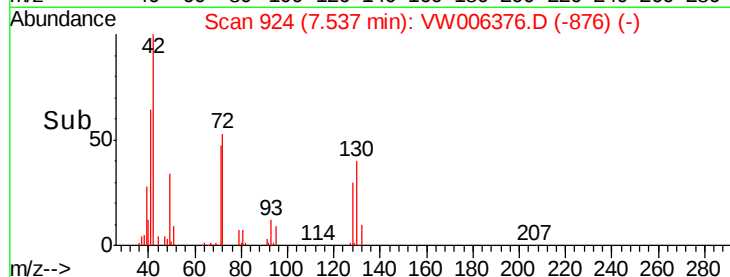
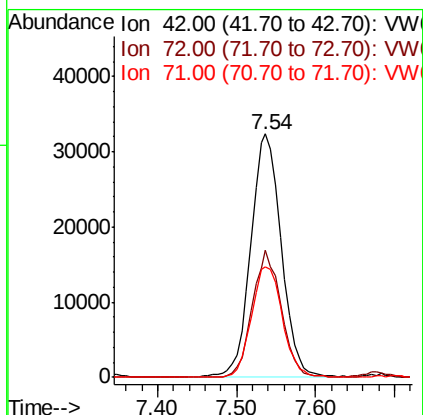
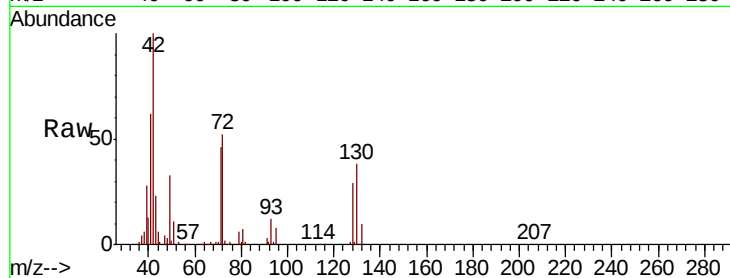
Tot Ion: 42 Resp: 87264

Ion Ratio Lower Upper

42 100

72 49.2 38.0 57.0

71 46.3 35.3 52.9



#30

Chloroform

Concen: 58.920 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006376.D

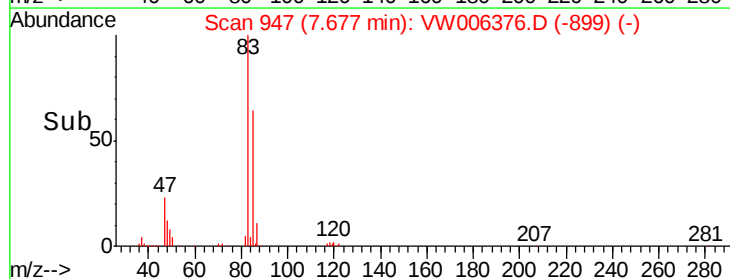
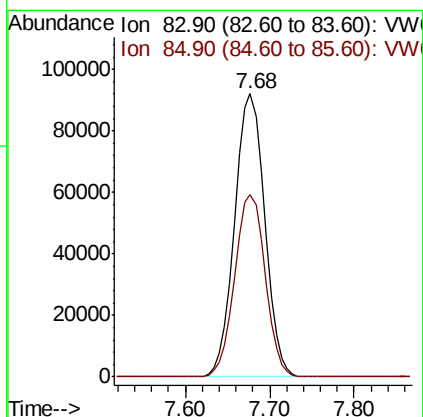
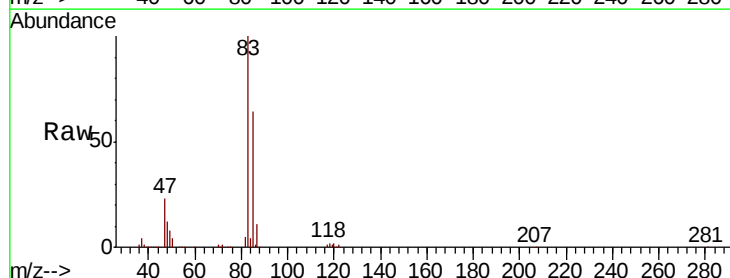
Acq: 25 Oct 2018 23:07

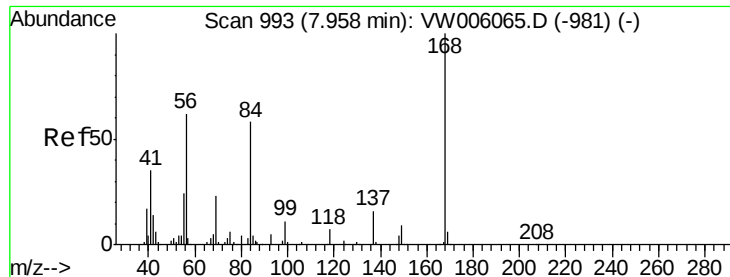
Tgt Ion: 83 Resp: 222133

Ion Ratio Lower Upper

83 100

85 64.4 52.6 79.0





#31

Cyclohexane

Concen: 49.501 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

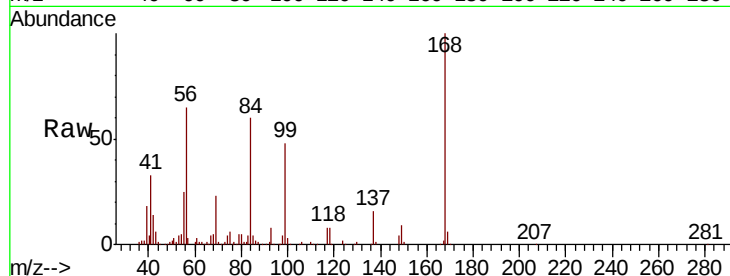
Tot Ion: 56 Resp: 170582

Ion Ratio Lower Upper

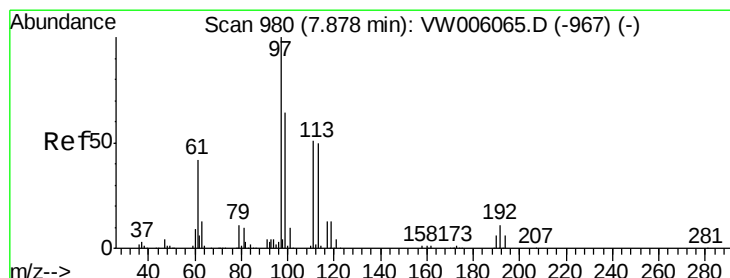
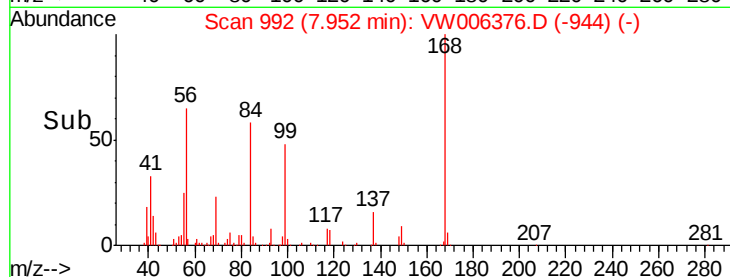
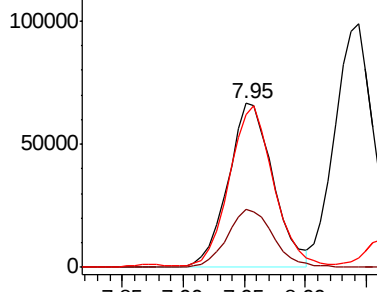
56 100

69 35.4 29.4 44.0

84 91.2 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: 55.225 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

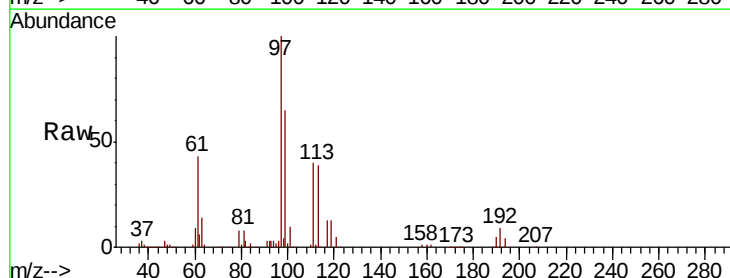
Tgt Ion: 97 Resp: 187810

Ion Ratio Lower Upper

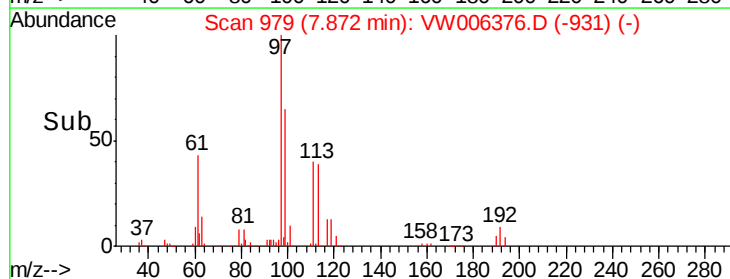
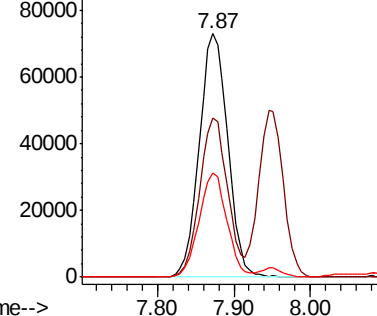
97 100

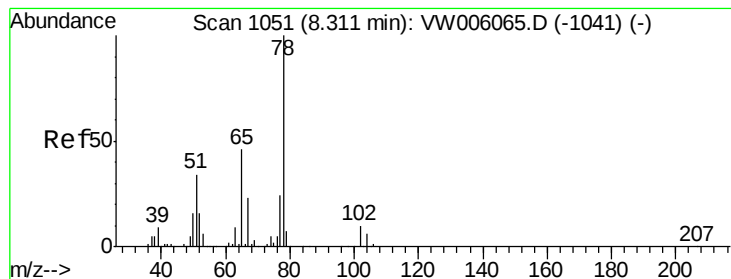
99 64.5 50.9 76.3

61 41.8 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: 50.497 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

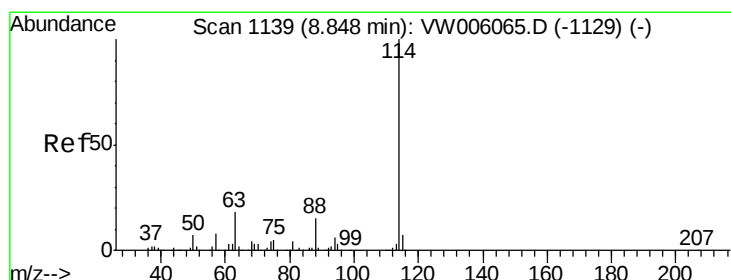
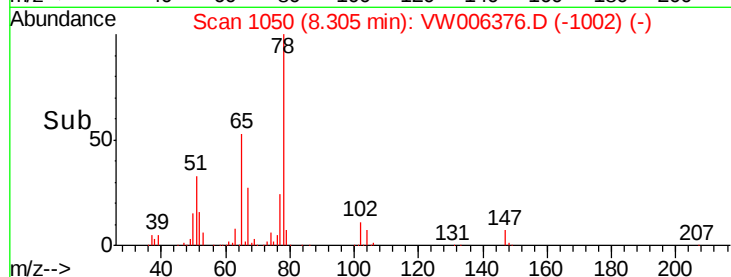
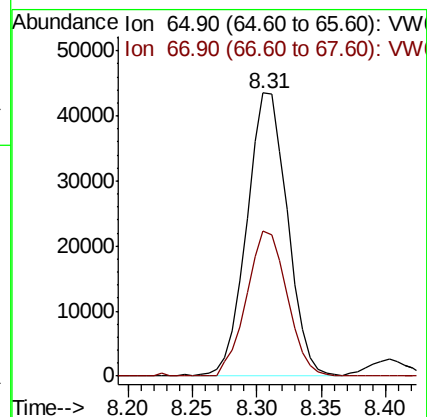
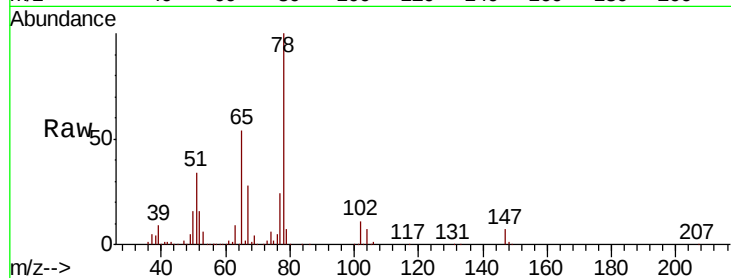
VSTDCCC050

Tot Ion: 65 Resp: 95095

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

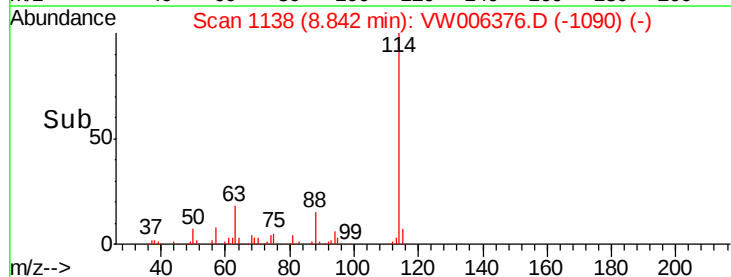
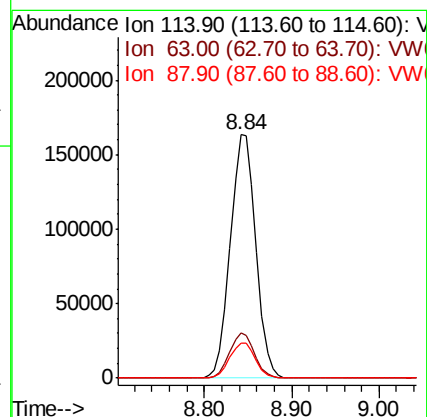
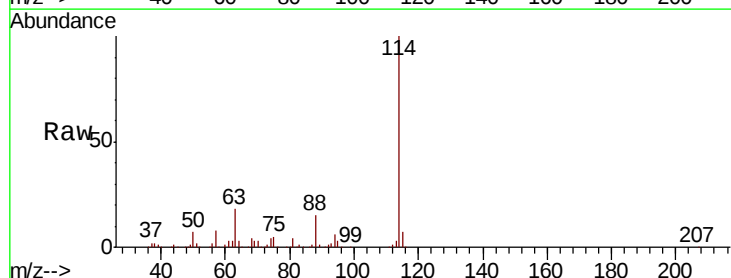
Tgt Ion: 114 Resp: 329584

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

88 14.5 0.0 29.0

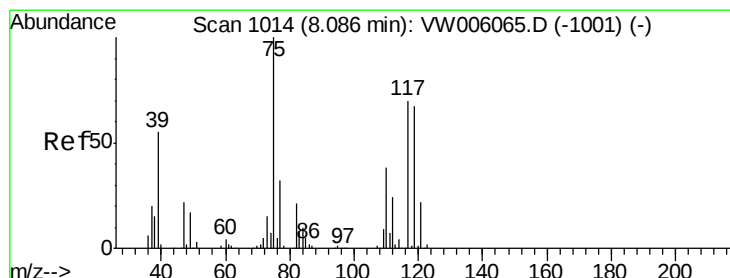
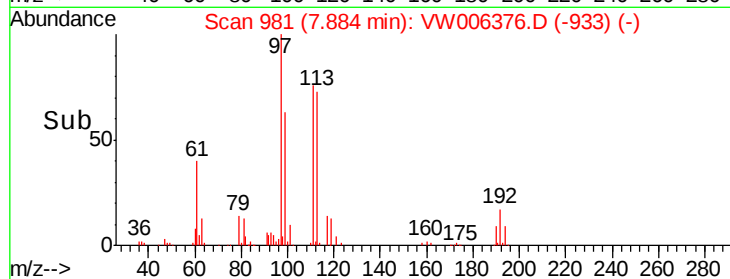
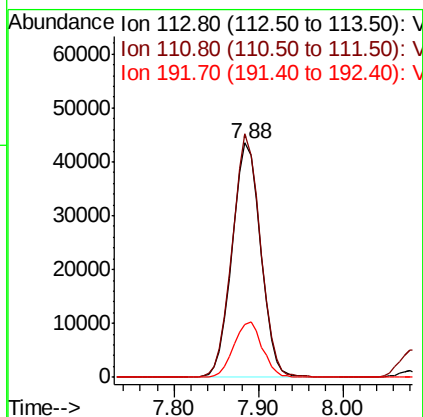
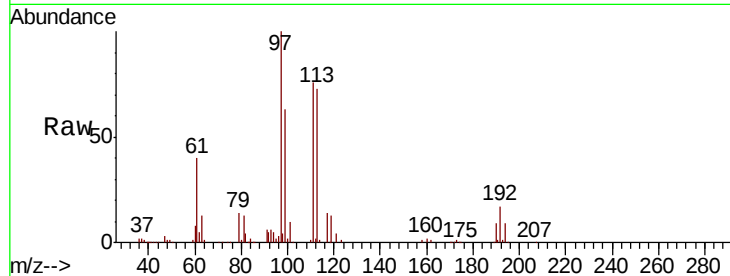




#35
 Dibromofluoromethane
 Concen: 50.958 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006376.D
 Acq: 25 Oct 2018 23:07

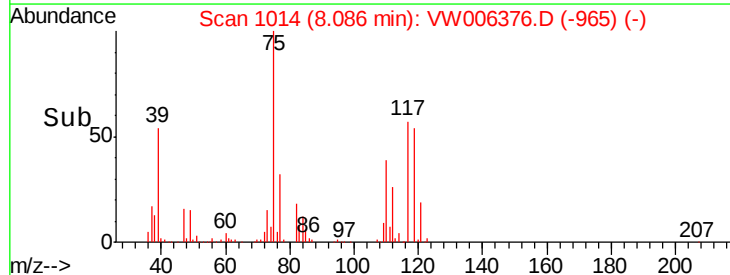
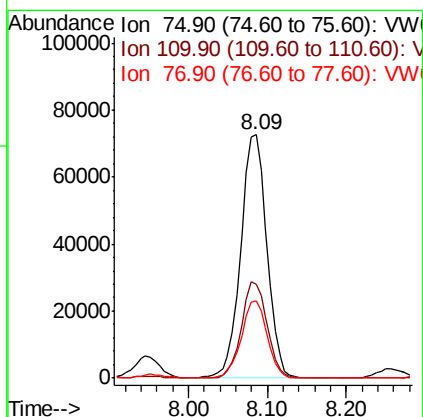
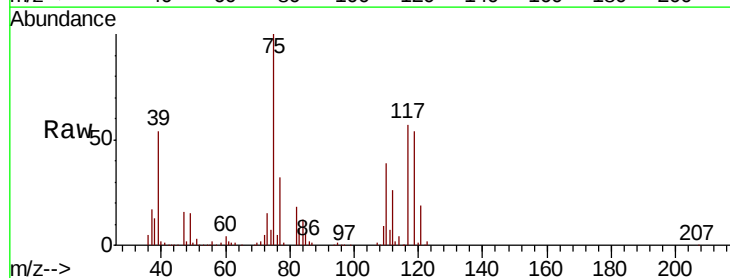
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

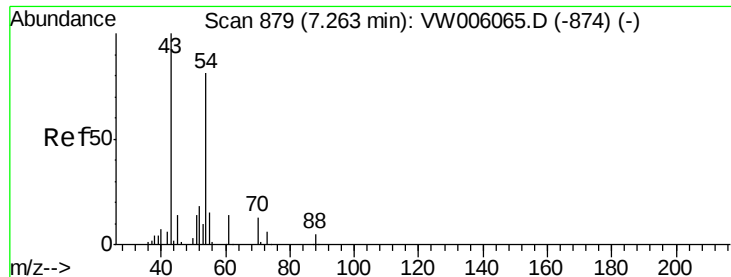
Tot Ion:113 Resp: 99240
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.4 122.0
 192 23.6 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 55.255 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006376.D
 Acq: 25 Oct 2018 23:07

Tgt Ion: 75 Resp: 167856
 Ion Ratio Lower Upper
 75 100
 110 38.8 19.1 57.1
 77 31.4 25.0 37.4

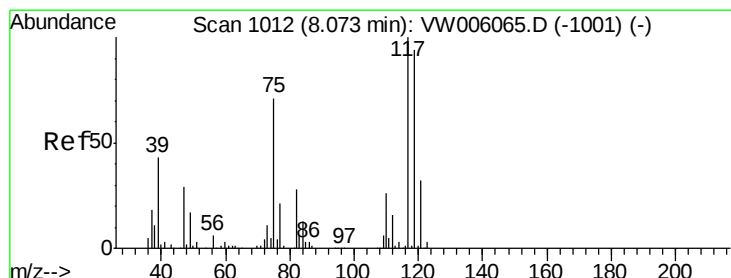
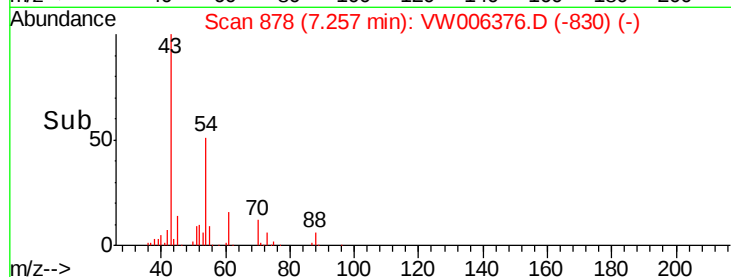
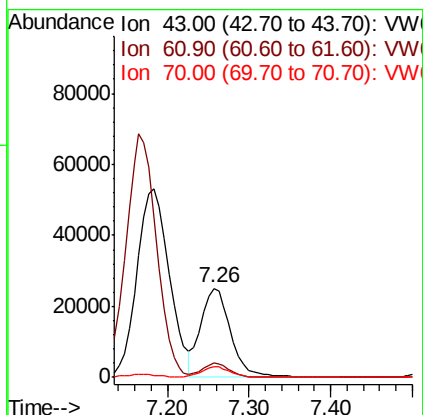
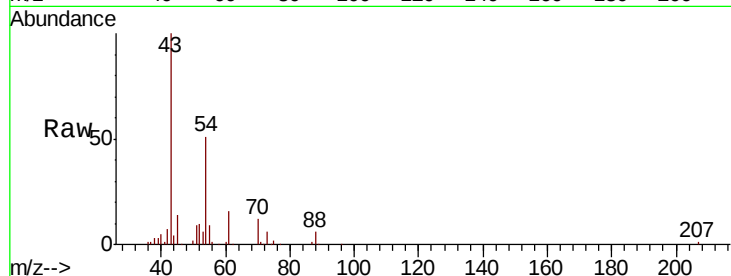




#37
Ethyl Acetate
Concen: 56.589 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

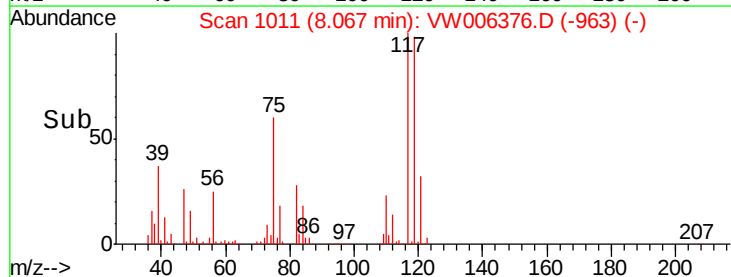
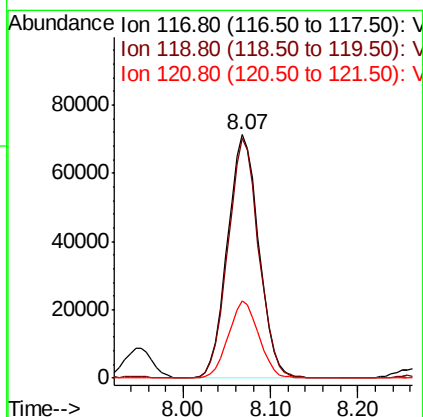
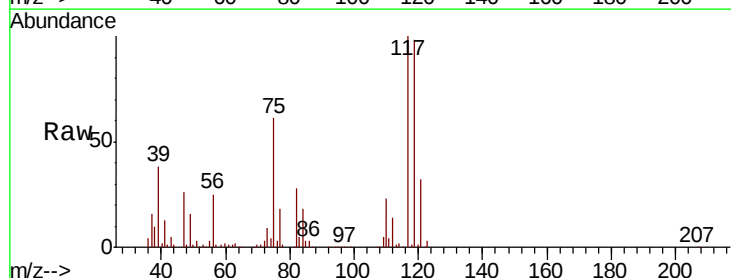
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

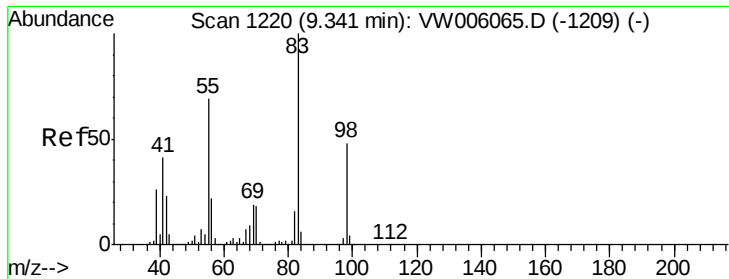
Tot Ion: 43 Resp: 63871
Ion Ratio Lower Upper
43 100
61 14.9 11.5 17.3
70 11.2 9.2 13.8



#38
Carbon Tetrachloride
Concen: 53.301 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Tgt Ion: 117 Resp: 177504
Ion Ratio Lower Upper
117 100
119 98.5 75.2 112.8
121 31.5 25.3 37.9

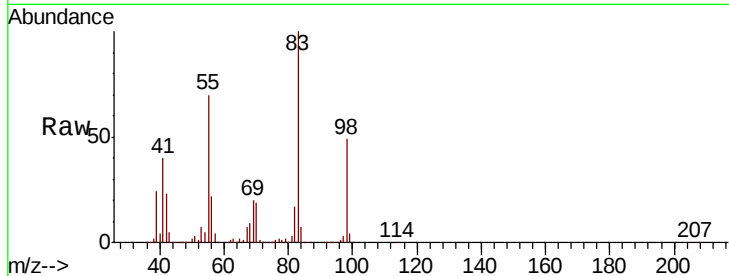




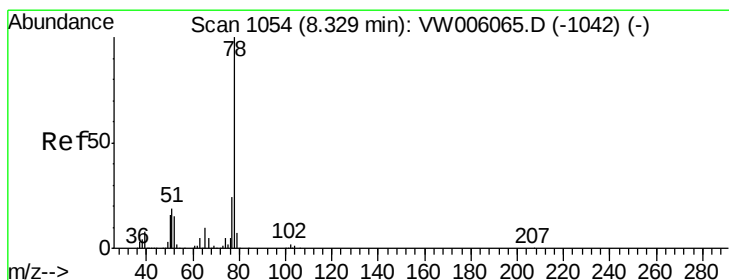
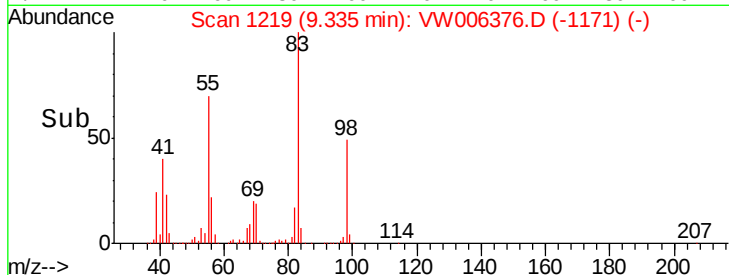
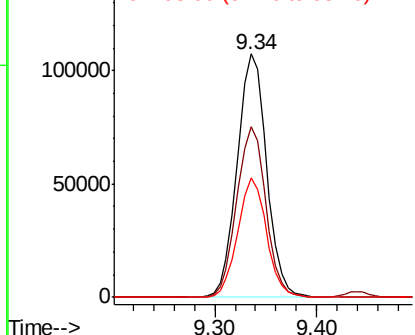
#39
Methvlcvclohexane
Concen: 53.312 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 215280
Ion Ratio Lower Upper
83 100
55 69.9 55.0 82.6
98 49.1 38.6 57.8

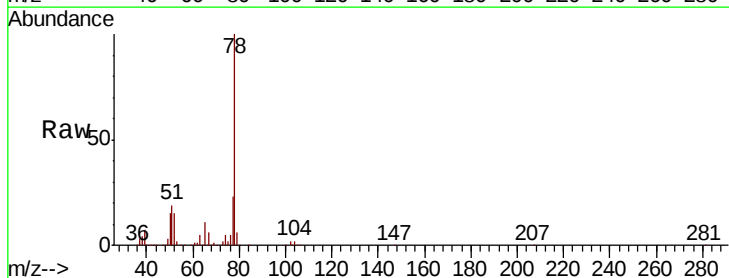


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

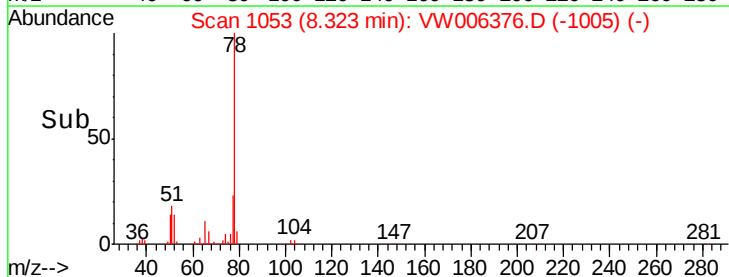
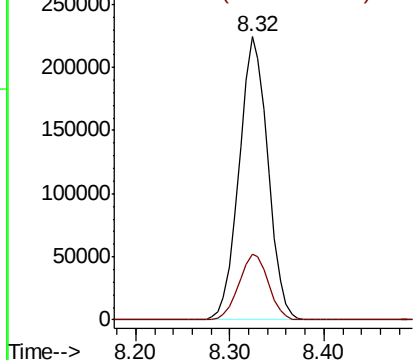


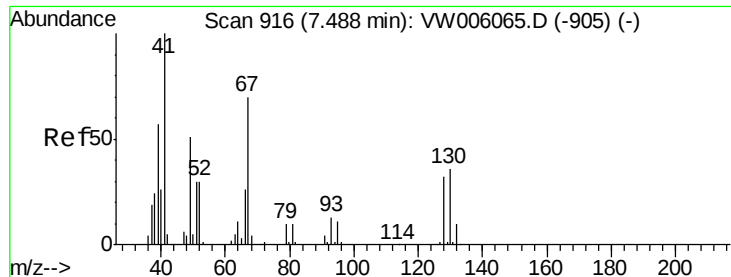
#40
Benzene
Concen: 57.427 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Tgt Ion: 78 Resp: 478540
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

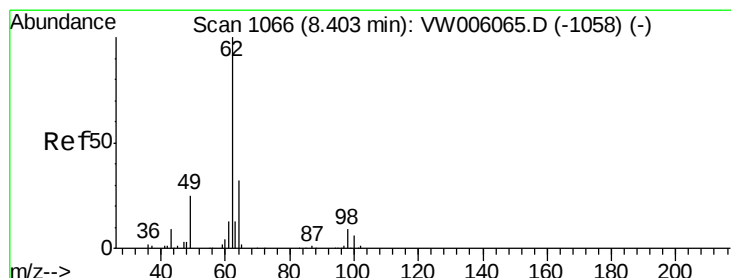
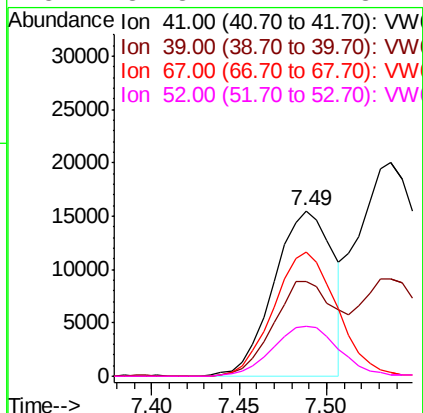
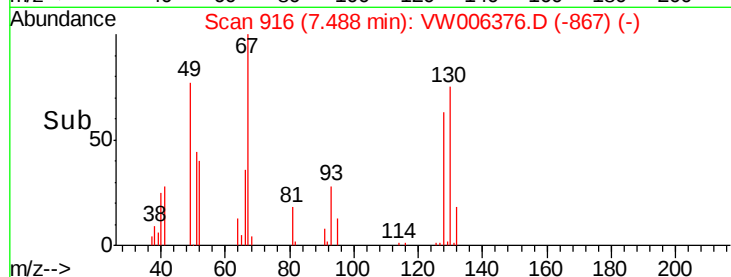
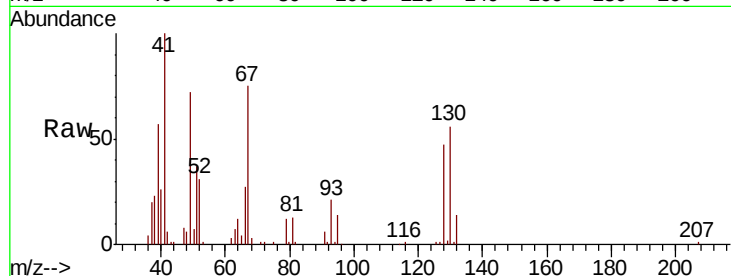




#41
Methacrylonitrile
Concen: 53.690 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

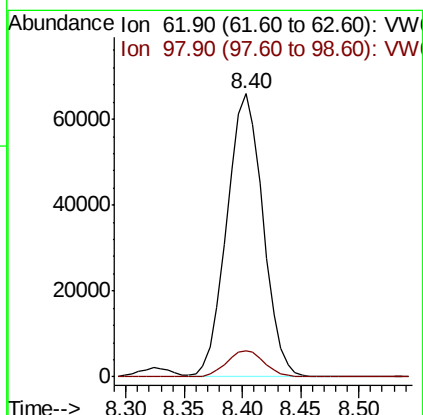
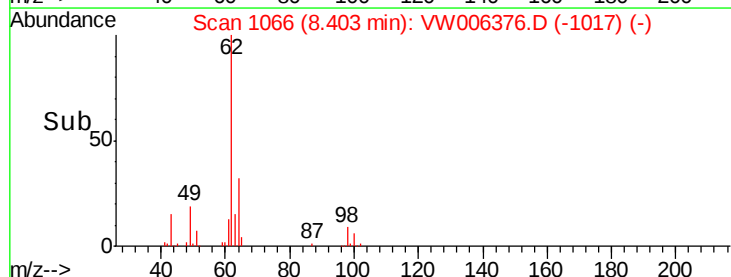
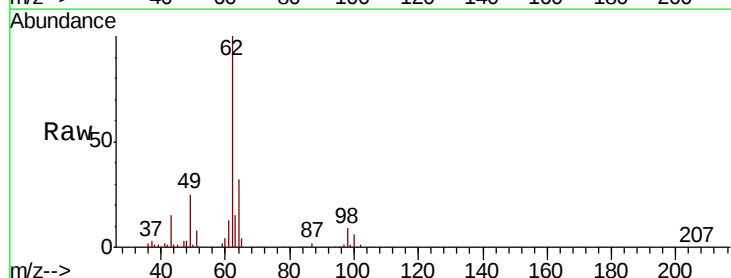
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

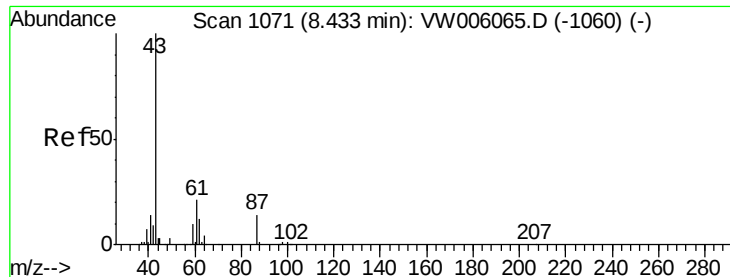
Tot Ion:	41	Resp:	36531
Ion	Ratio	Lower	Upper
41	100		
39	63.2	46.2	69.4
67	80.5	57.7	86.5
52	34.3	24.7	37.1



#42
1,2-Dichloroethane
Concen: 58.267 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Tgt Ion:	62	Resp:	142652
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





#43

Isopropyl Acetate

Concen: 54.973 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

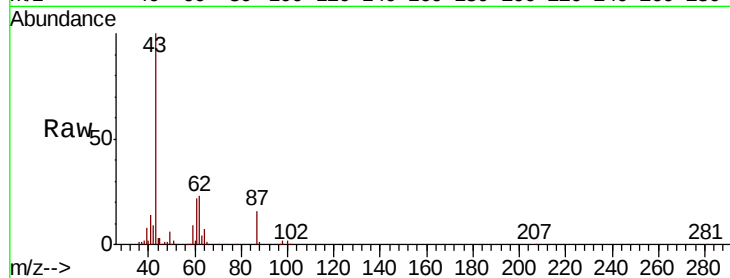
Tot Ion: 43 Resp: 126864

Ion Ratio Lower Upper

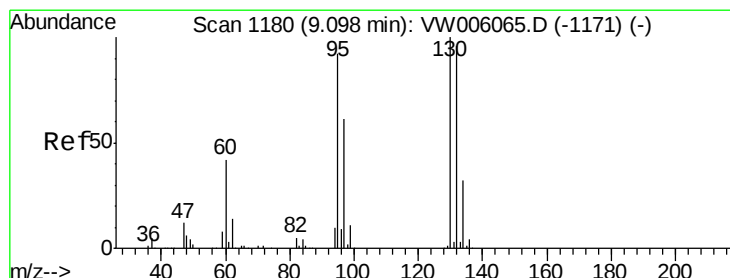
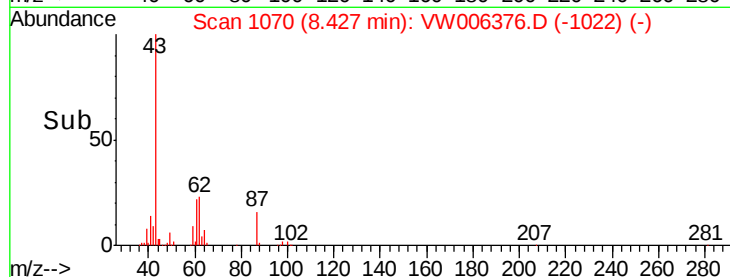
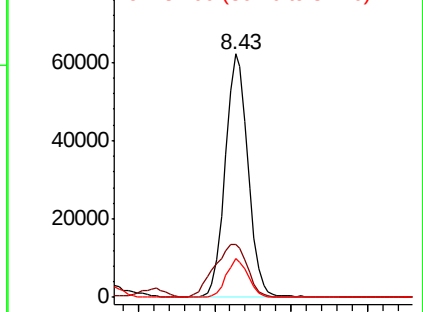
43 100

61 31.7 25.5 38.3

87 15.2 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 57.152 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006376.D

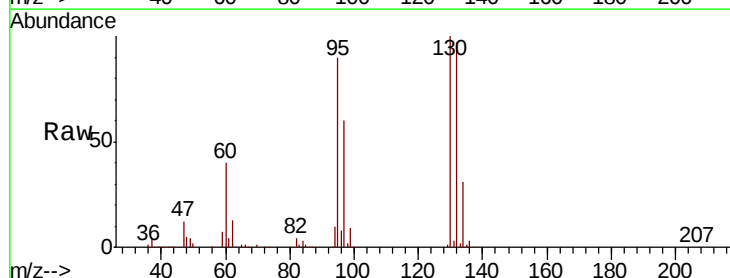
Acq: 25 Oct 2018 23:07

Tgt Ion:130 Resp: 146113

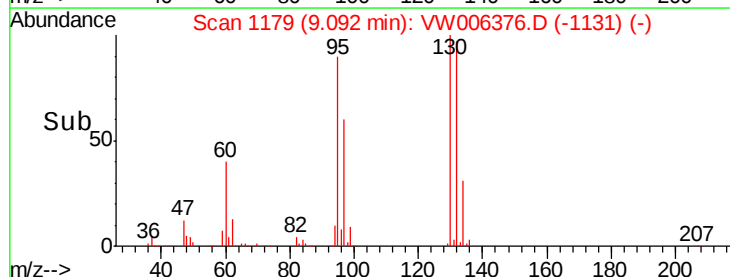
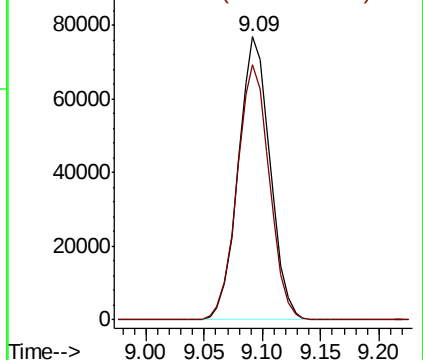
Ion Ratio Lower Upper

130 100

95 90.3 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

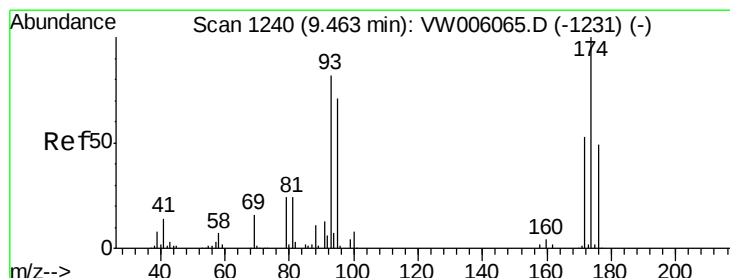
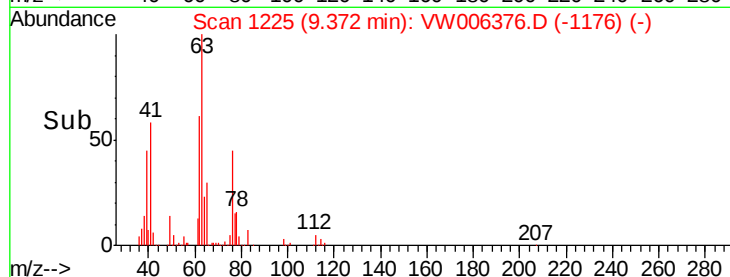
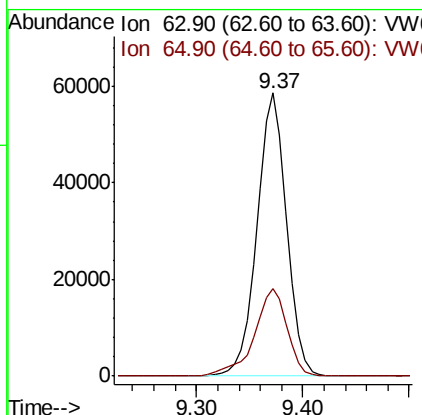
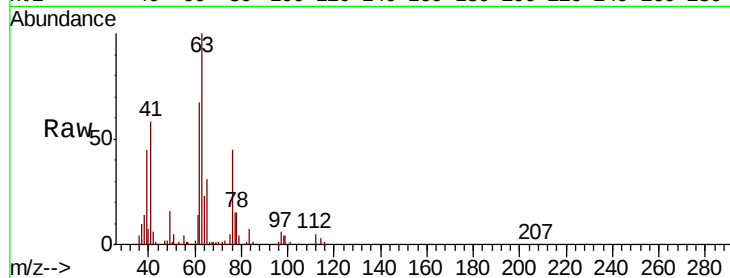




#45
 1,2-Dichloropropane
 Concen: 57.116 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006376.D
 Acq: 25 Oct 2018 23:07

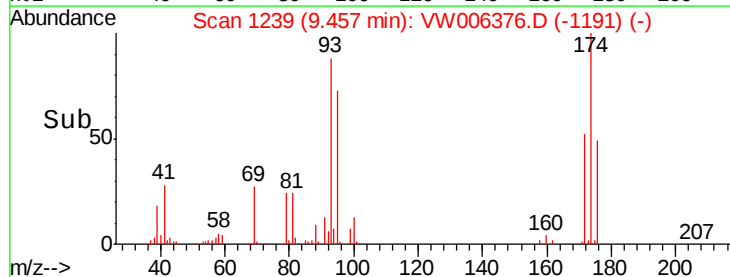
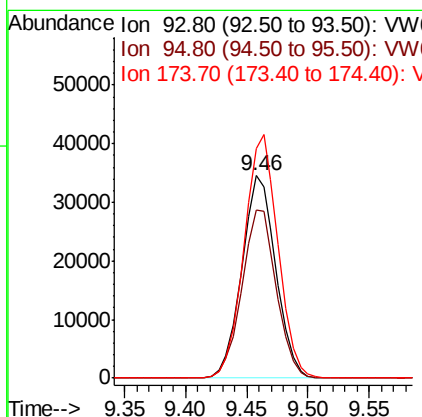
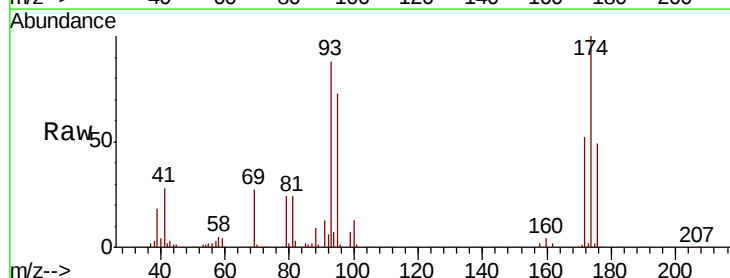
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 113892
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.4 38.0



#46
 Dibromomethane
 Concen: 58.579 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006376.D
 Acq: 25 Oct 2018 23:07

Tgt Ion: 93 Resp: 66575
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.7 101.5
 174 119.7 93.7 140.5





#47

Bromodichloromethane

Concen: 56.896 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

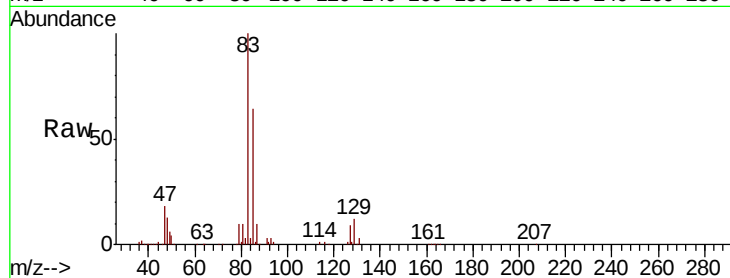
Tot Ion: 83 Resp: 156772

Ion Ratio Lower Upper

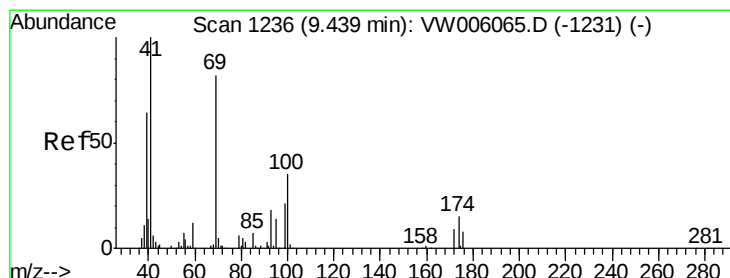
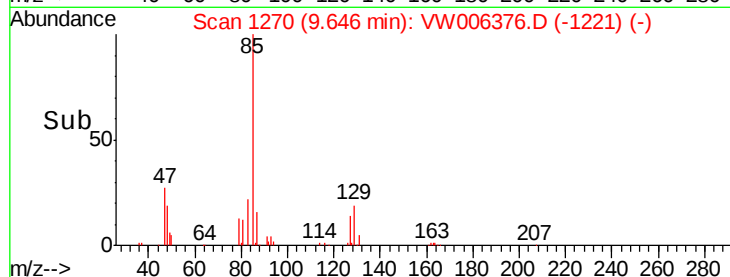
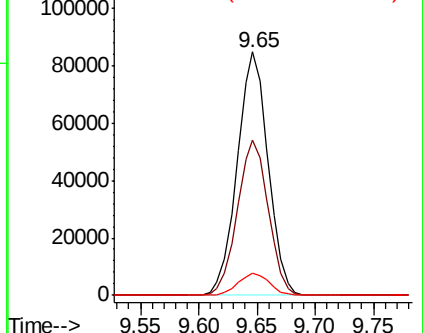
83 100

85 63.9 51.8 77.8

127 9.1 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): VW



#48

Methyl methacrylate

Concen: 55.968 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

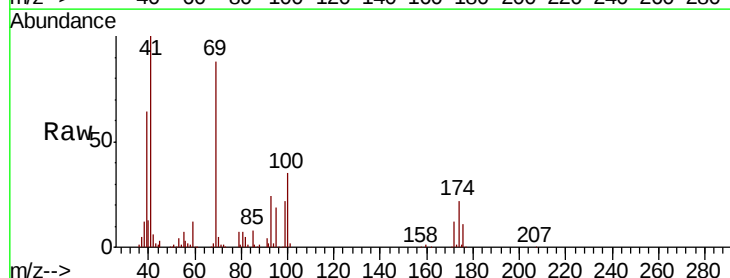
Tgt Ion: 41 Resp: 61223

Ion Ratio Lower Upper

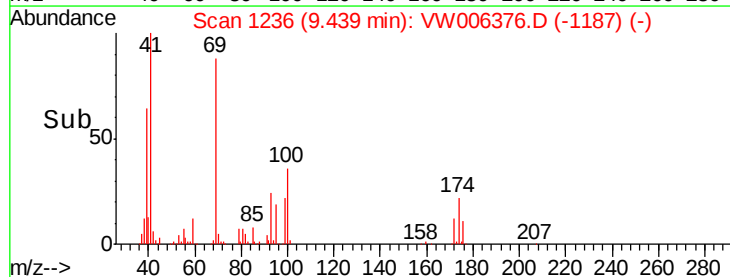
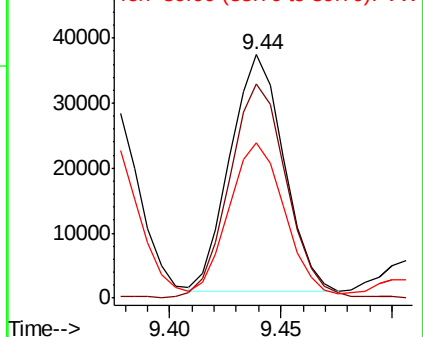
41 100

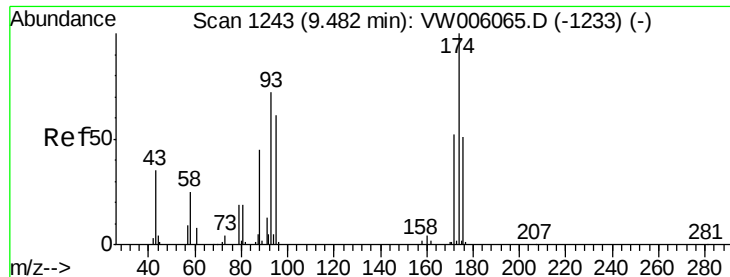
69 96.8 71.8 107.8

39 68.9 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: 1167.916 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

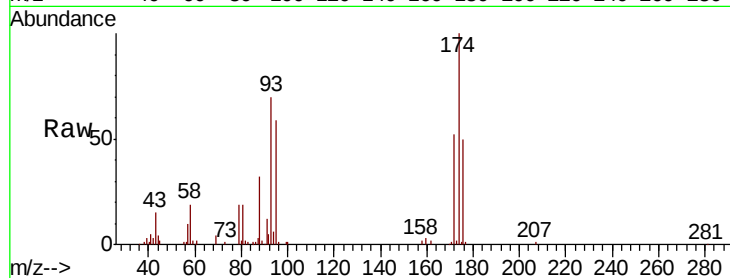
Tot Ion: 88 Resp: 20434

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

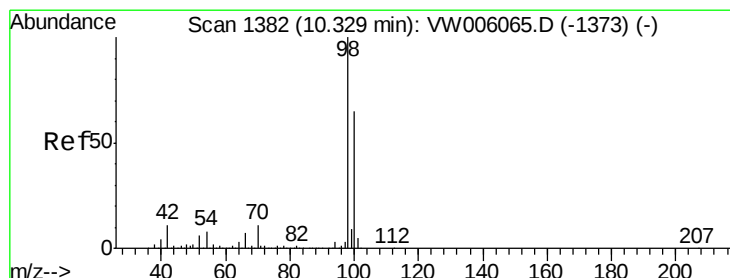
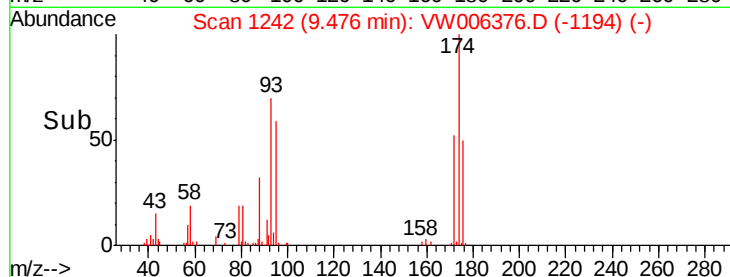
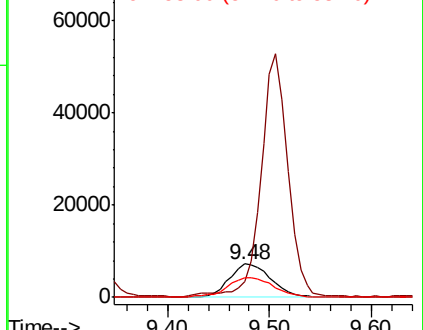
58 65.8 51.2 76.8



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: 48.899 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006376.D

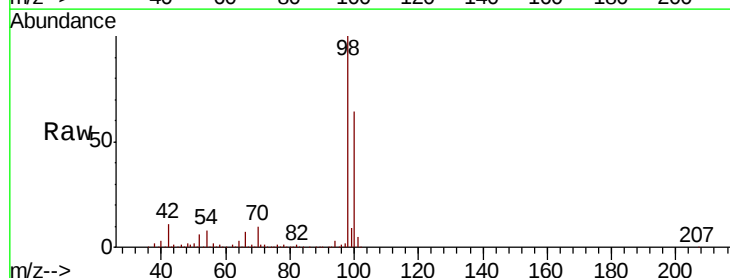
Acq: 25 Oct 2018 23:07

Tgt Ion: 98 Resp: 362305

Ion Ratio Lower Upper

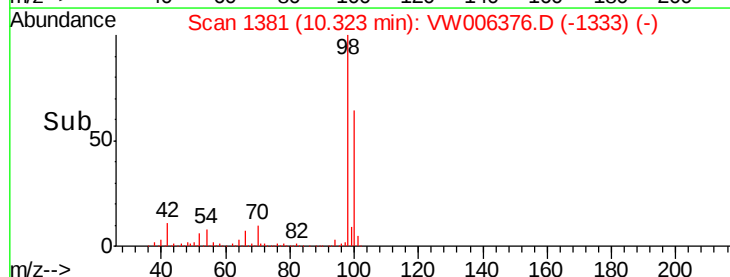
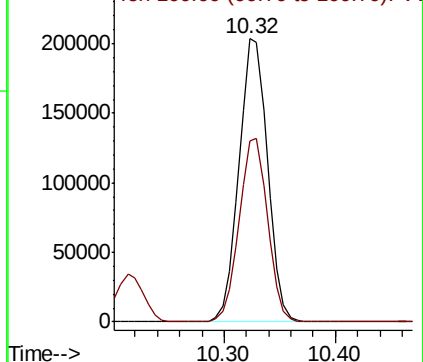
98 100

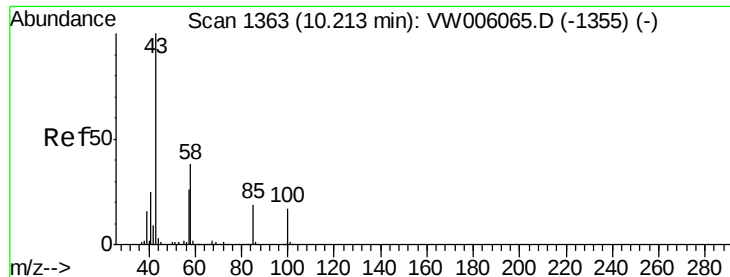
100 64.5 51.6 77.4



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: 283.448 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

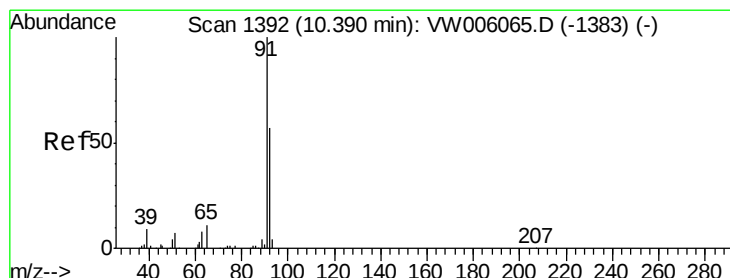
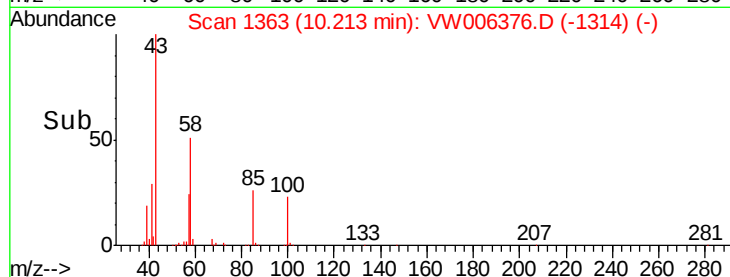
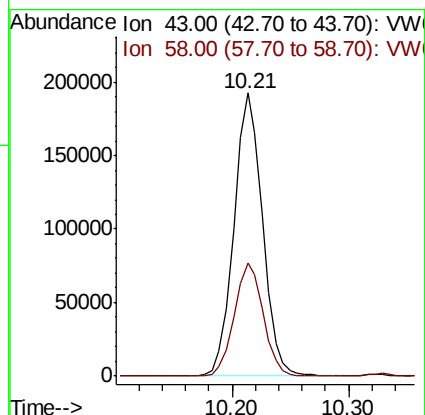
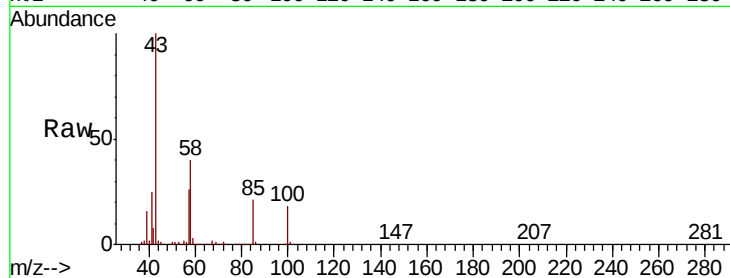
VSTDCCC050

Tot Ion: 43 Resp: 327740

Ion Ratio Lower Upper

43 100

58 40.5 31.5 47.3



#52

Toluene

Concen: 57.159 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006376.D

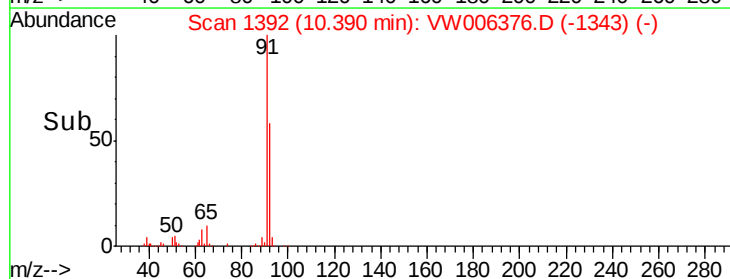
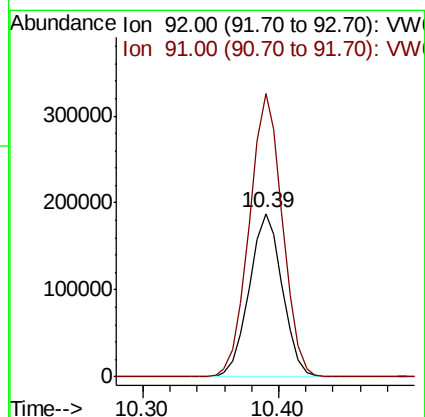
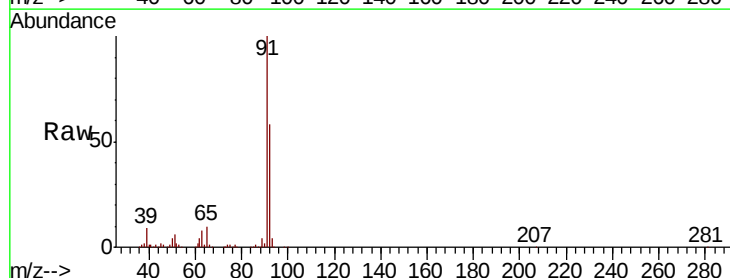
Acq: 25 Oct 2018 23:07

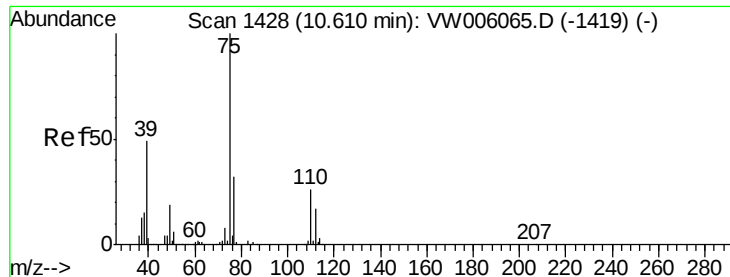
Tgt Ion: 92 Resp: 319327

Ion Ratio Lower Upper

92 100

91 174.1 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 56.274 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

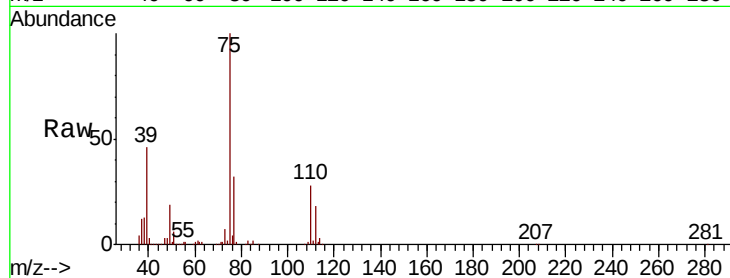
VSTDCCC050

Tot Ion: 75 Resp: 154487

Ion Ratio Lower Upper

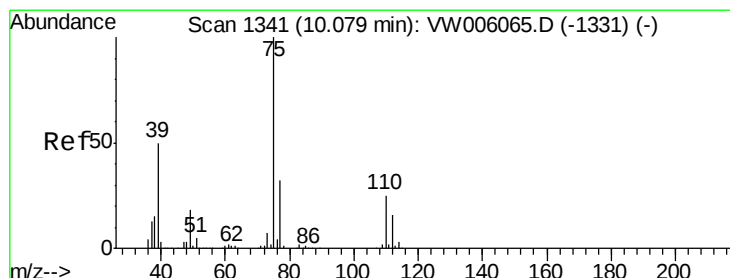
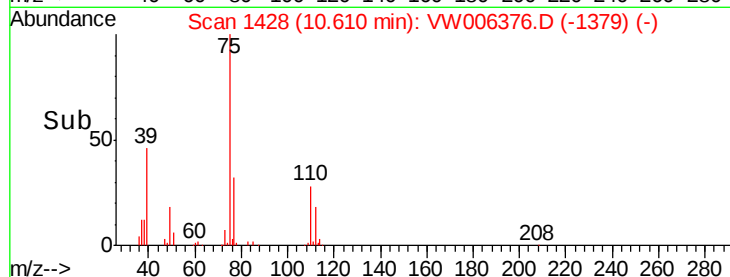
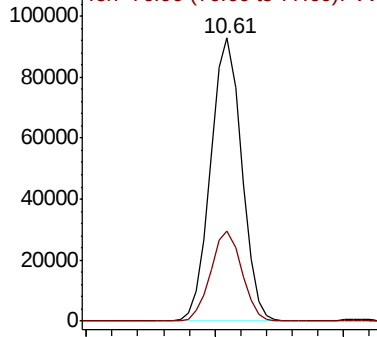
75 100

77 31.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 56.019 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

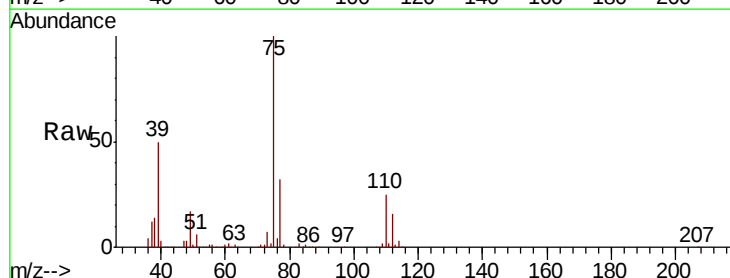
Tgt Ion: 75 Resp: 176500

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

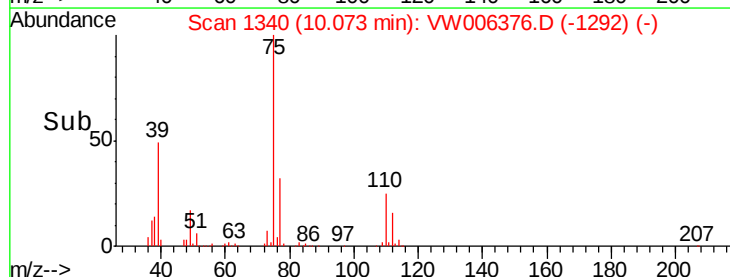
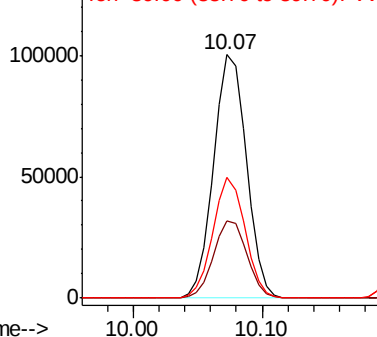
39 49.5 39.9 59.9



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

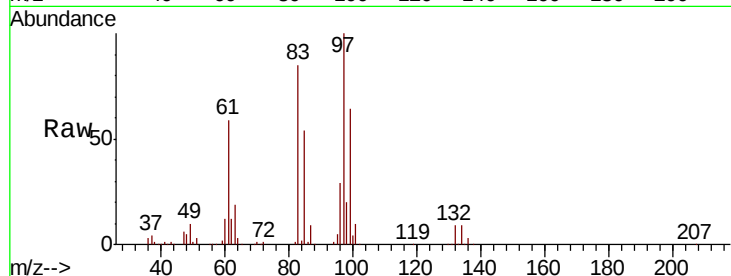




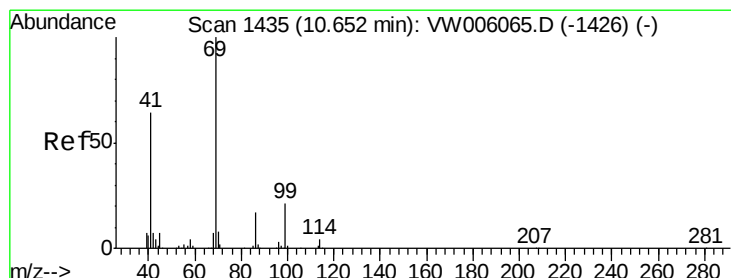
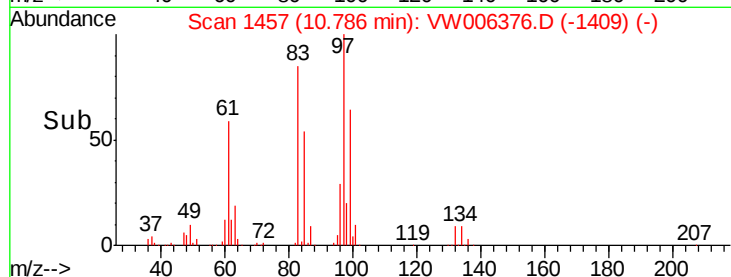
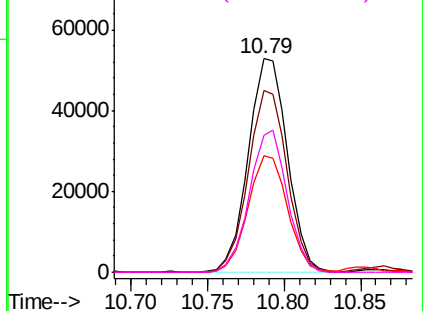
#55
 1,1,2-Trichloroethane
 Concen: 59.139 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006376.D
 Acq: 25 Oct 2018 23:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	94056
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.2	100.8
85	54.5	43.7	65.5
99	64.1	48.5	72.7

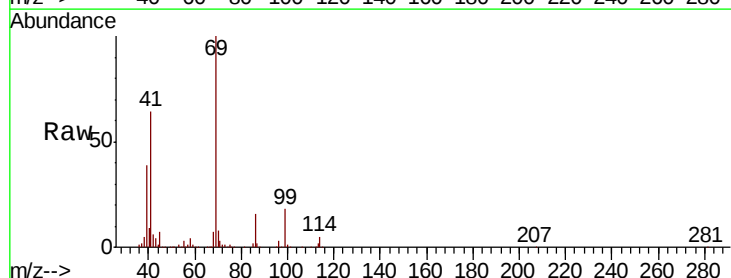


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

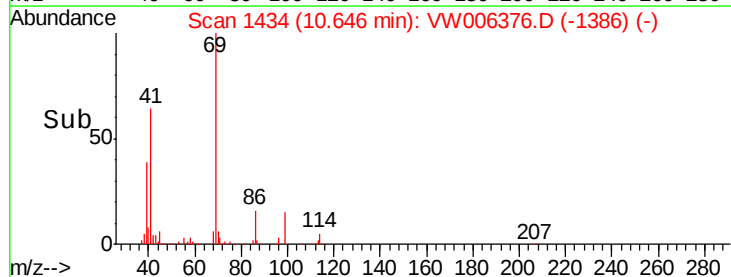
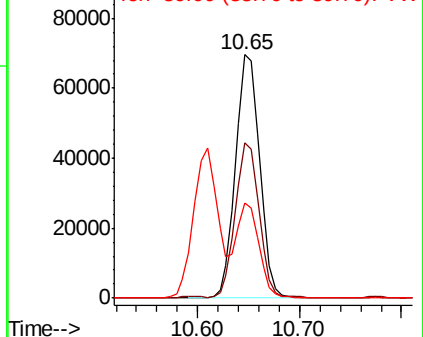


#56
 Ethyl methacrylate
 Concen: 58.233 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006376.D
 Acq: 25 Oct 2018 23:07

Tgt Ion:	69	Resp:	113538
Ion	Ratio	Lower	Upper
69	100		
41	62.8	52.8	79.2
39	37.6	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

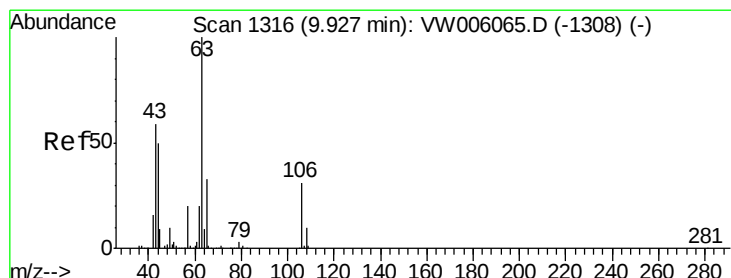
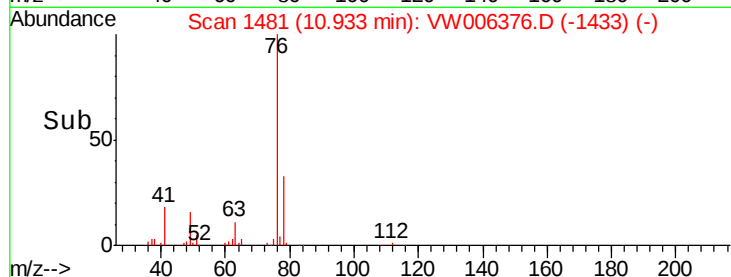
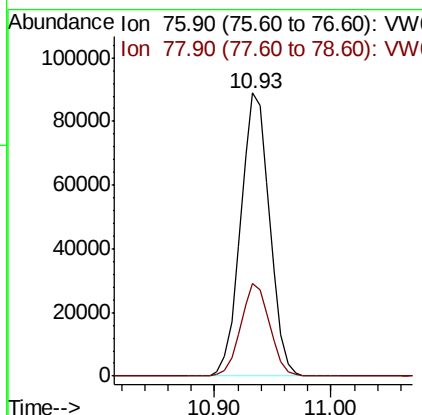
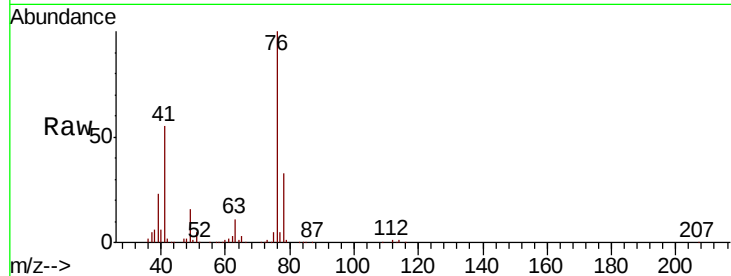




#57
 1,3-Dichloropropane
 Concen: 58.541 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006376.D
 Acq: 25 Oct 2018 23:07

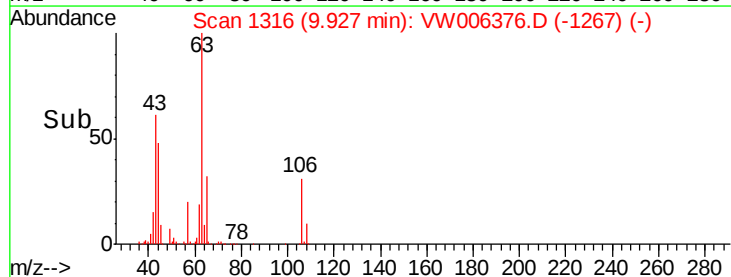
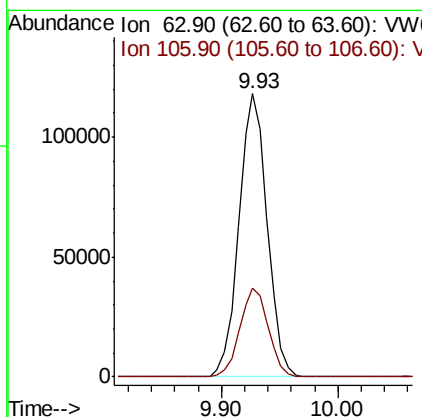
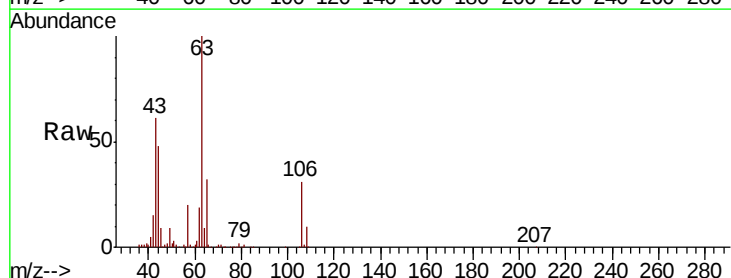
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

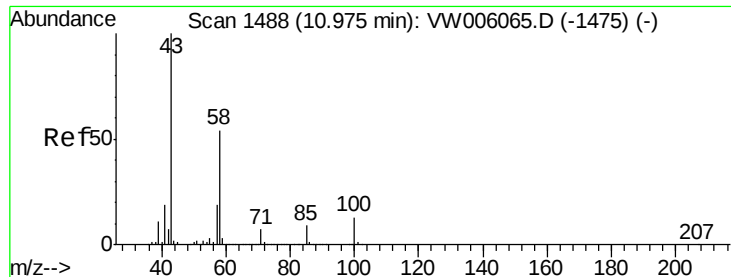
Tot Ion: 76 Resp: 154124
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 267.581 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006376.D
 Acq: 25 Oct 2018 23:07

Tgt Ion: 63 Resp: 199350
 Ion Ratio Lower Upper
 63 100
 106 31.6 24.5 36.7

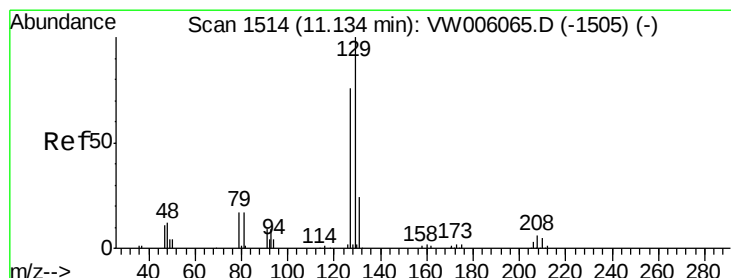
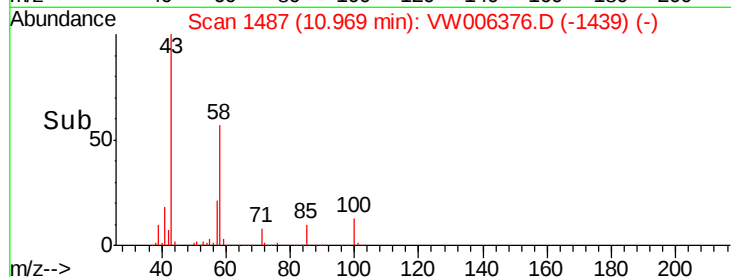
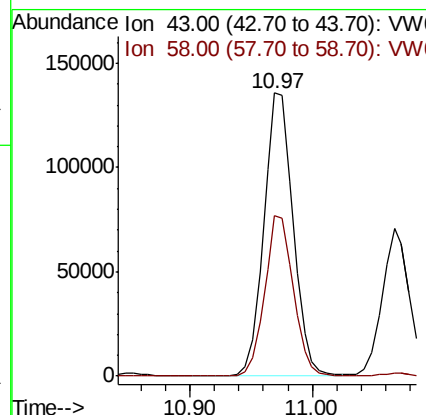
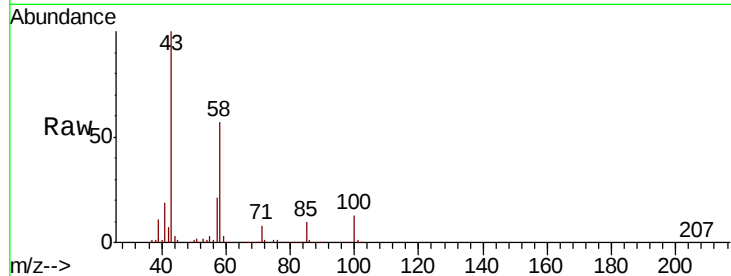




#59
2-Hexanone
Concen: 274.192 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

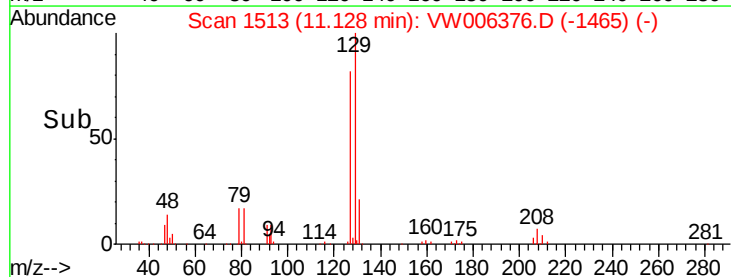
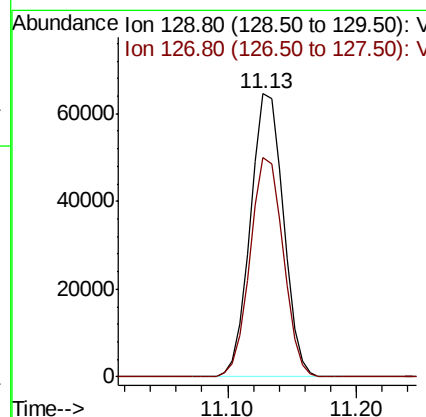
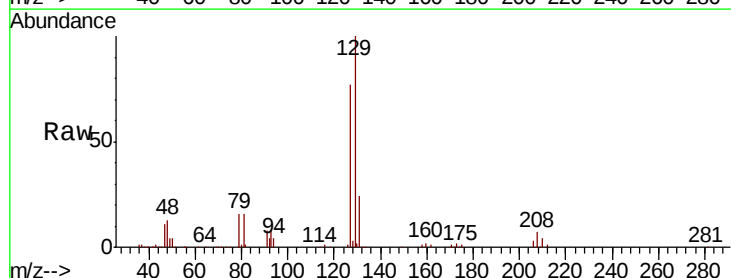
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

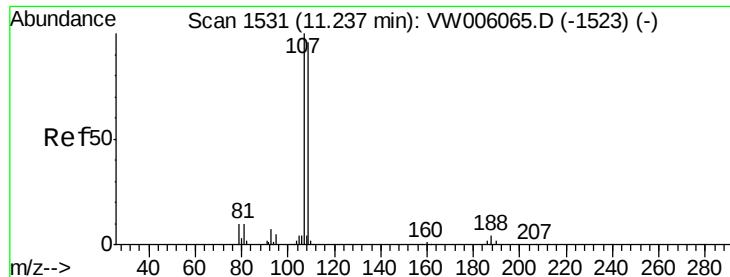
Tot Ion: 43 Resp: 226313
Ion Ratio Lower Upper
43 100
58 55.6 26.9 80.6



#60
Dibromochloromethane
Concen: 57.559 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Tgt Ion: 129 Resp: 114026
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.7





#61

1,2-Dibromoethane

Concen: 59.430 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

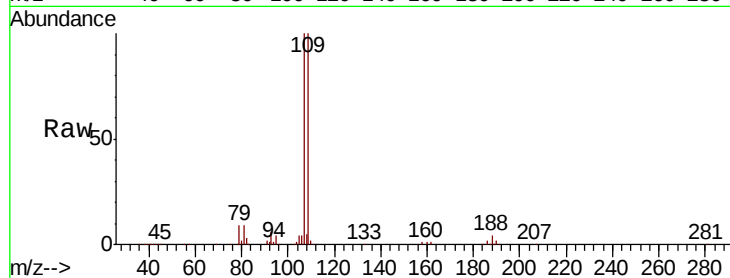
VSTDCCC050

Tot Ion:107 Resp: 94441

Ion Ratio Lower Upper

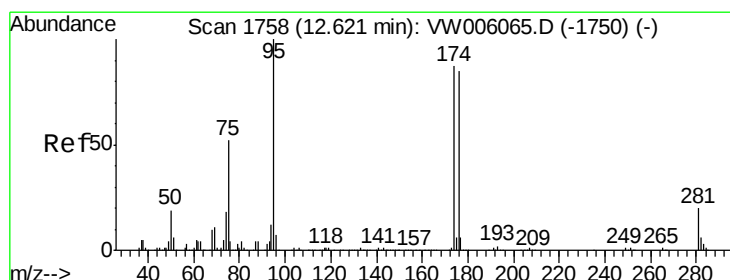
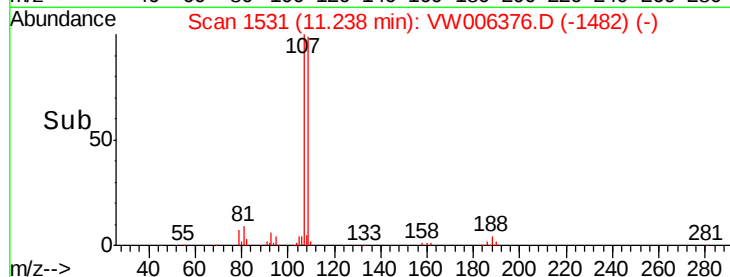
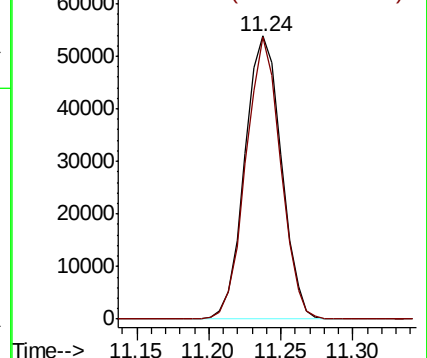
107 100

109 95.0 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.687 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

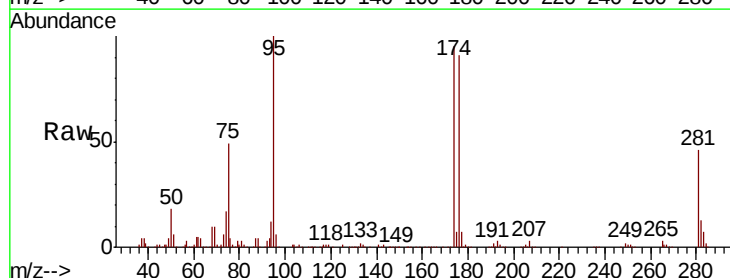
Tgt Ion: 95 Resp: 141052

Ion Ratio Lower Upper

95 100

174 95.5 0.0 186.0

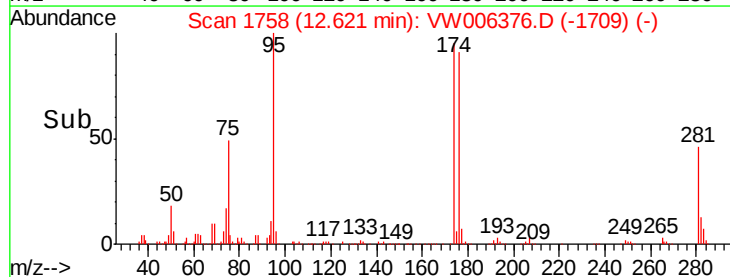
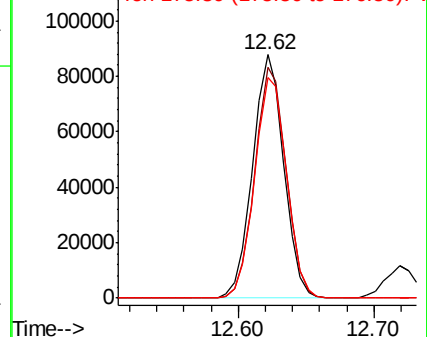
176 93.1 0.0 181.6

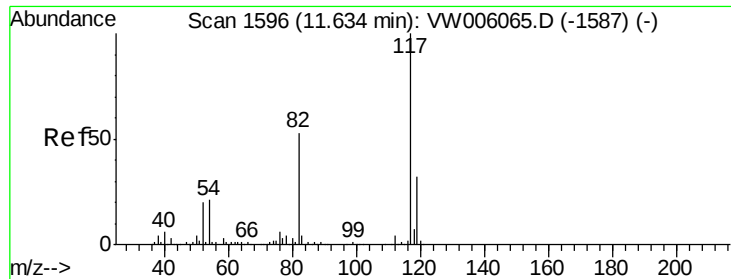


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

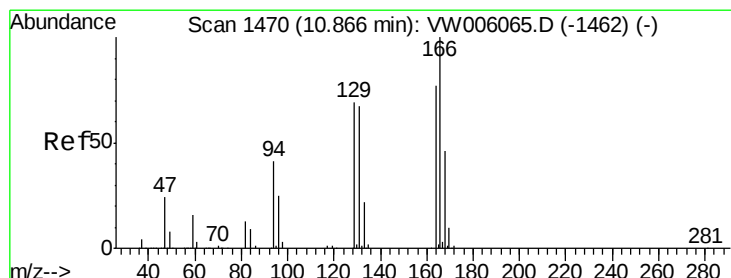
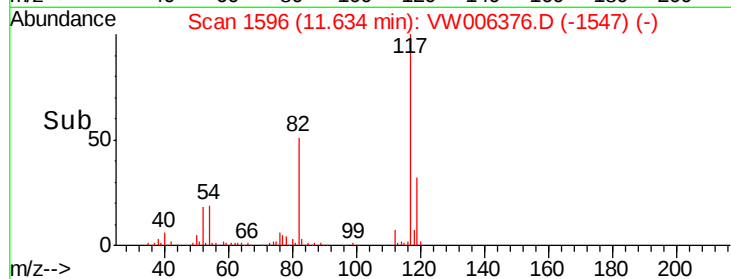
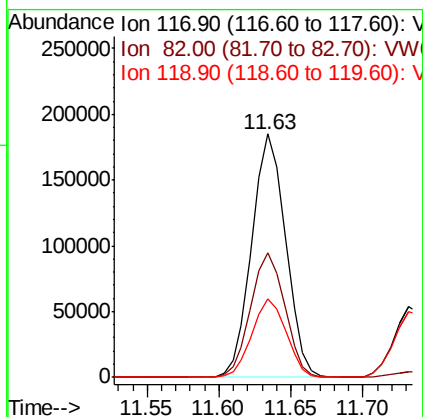
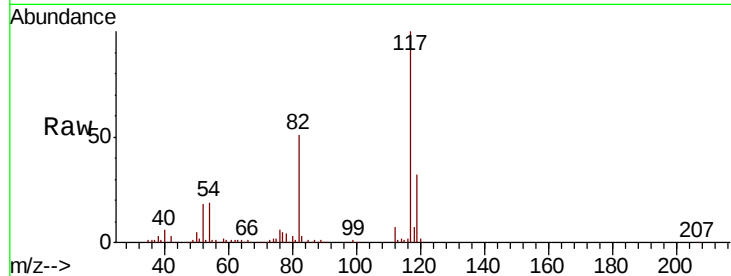




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

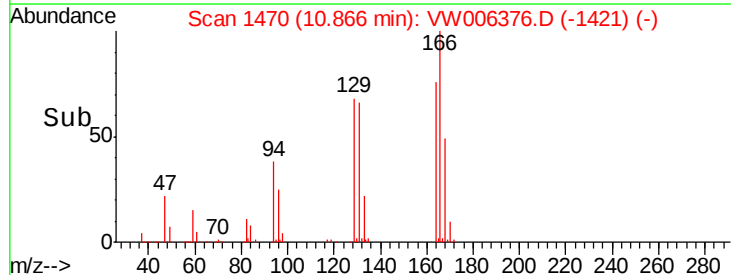
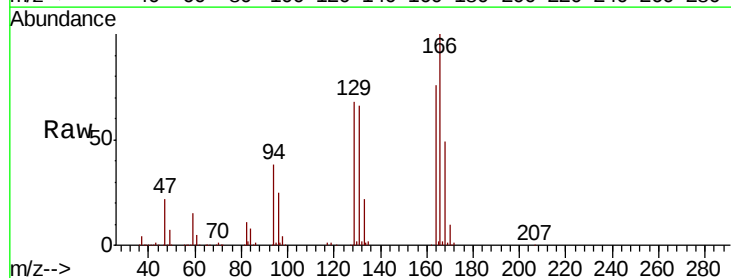
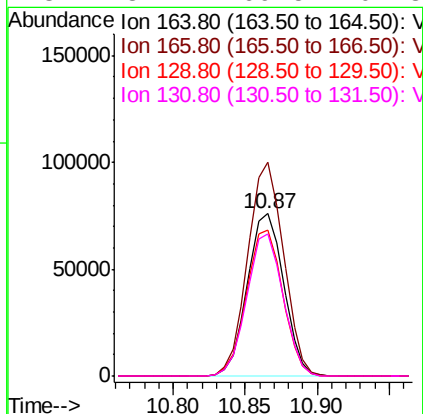
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

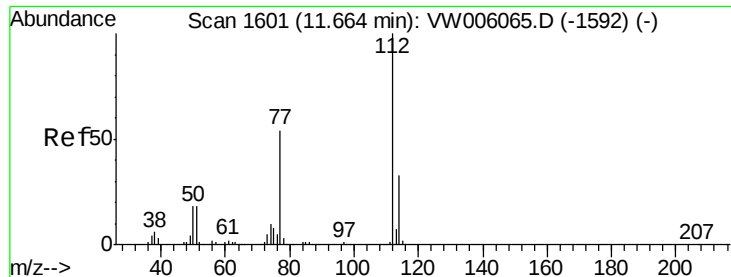
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.1	63.1
119	32.2	25.8	38.6



#64
Tetrachloroethene
Concen: 56.803 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	103.4	155.0
129	90.0	71.8	107.8
131	87.4	69.5	104.3

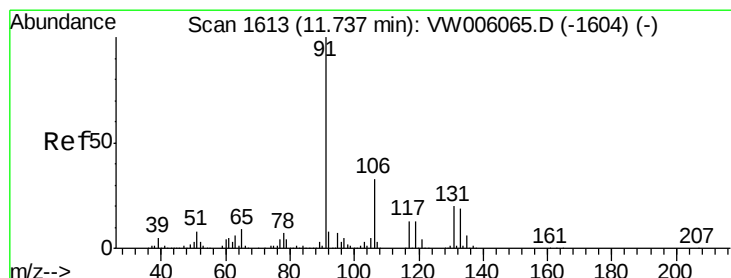
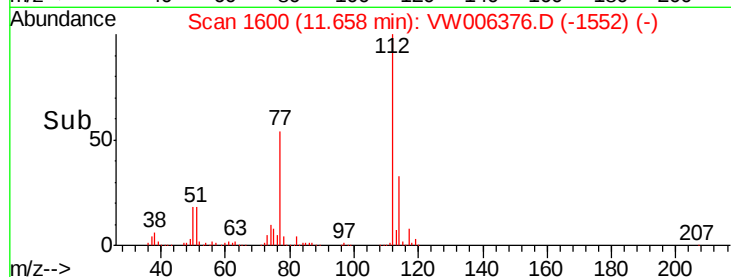
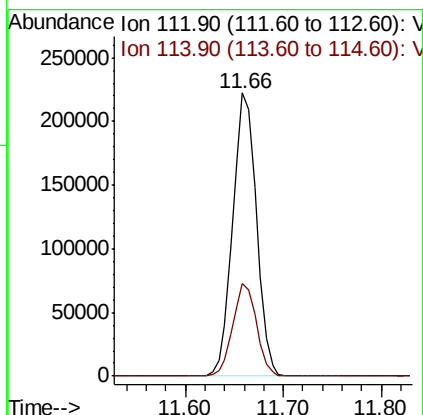
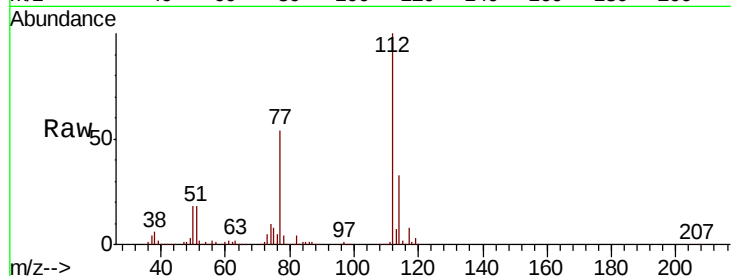




#65
Chlorobenzene
Concen: 58.121 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

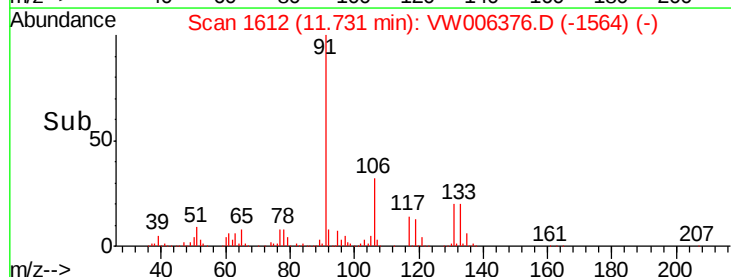
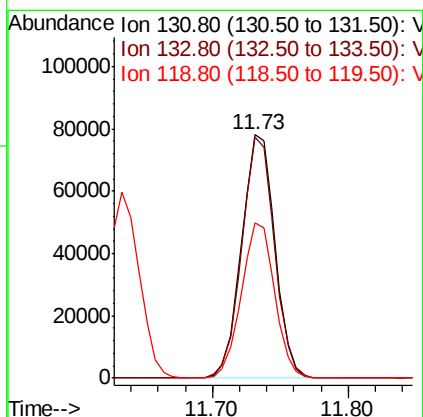
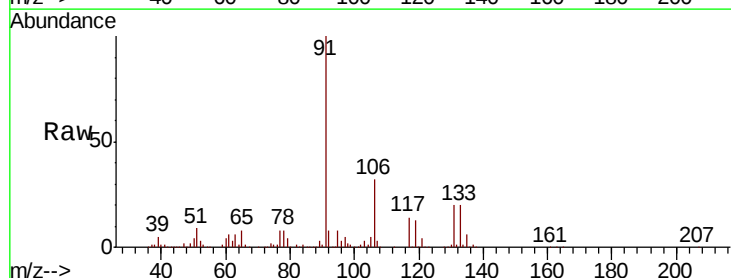
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

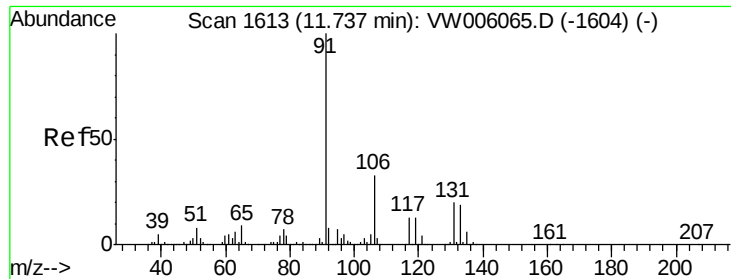
Tot Ion:112 Resp: 375445
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 58.151 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Tgt Ion:131 Resp: 133495
Ion Ratio Lower Upper
131 100
133 97.5 48.1 144.3
119 63.9 31.6 94.7

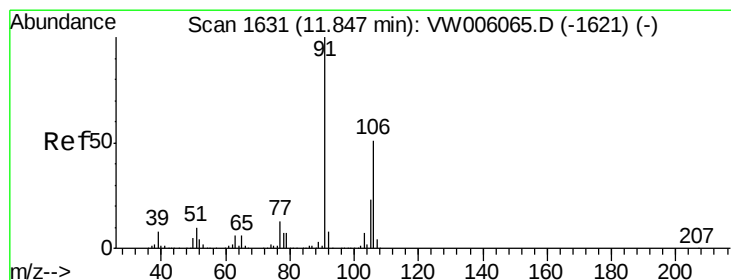
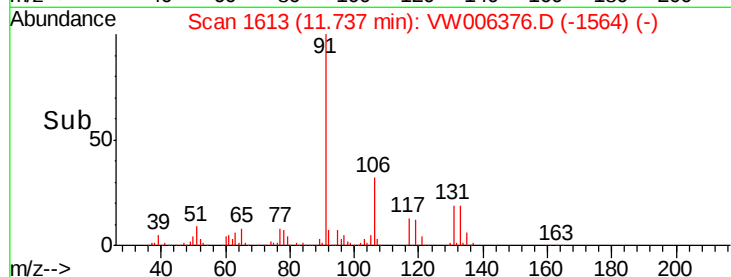
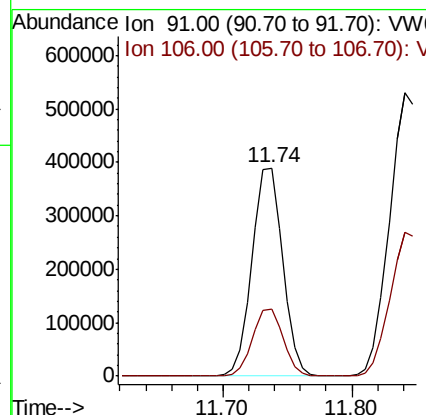
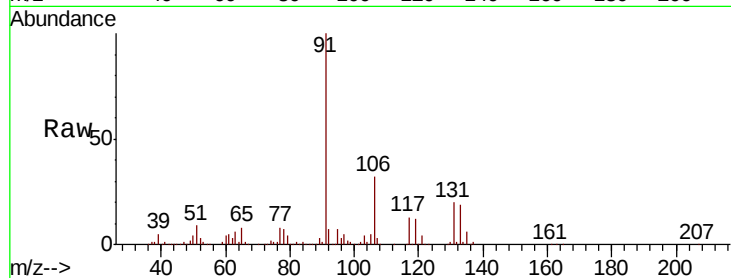




#67
Ethyl Benzene
Concen: 57.044 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

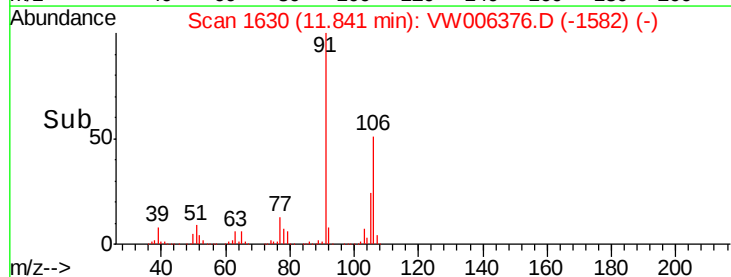
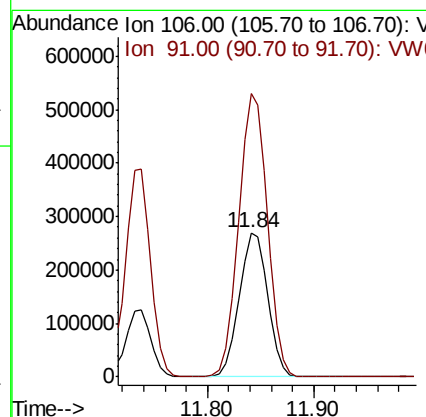
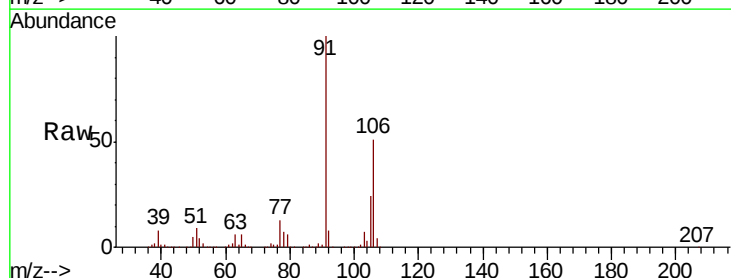
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

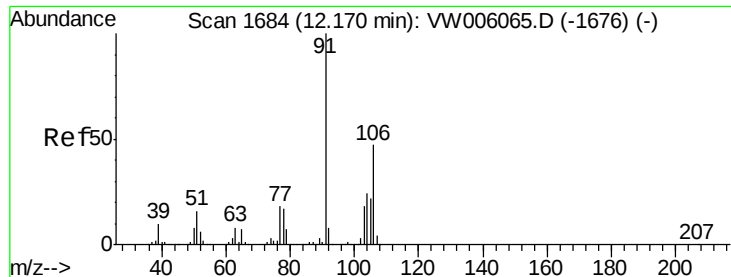
Tot Ion: 91 Resp: 638600
Ion Ratio Lower Upper
91 100
106 32.0 26.1 39.1



#68
m/p-Xylenes
Concen: 114.332 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Tgt Ion: 106 Resp: 505900
Ion Ratio Lower Upper
106 100
91 197.6 159.1 238.7

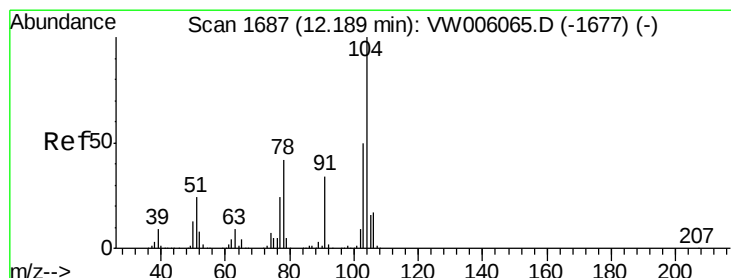
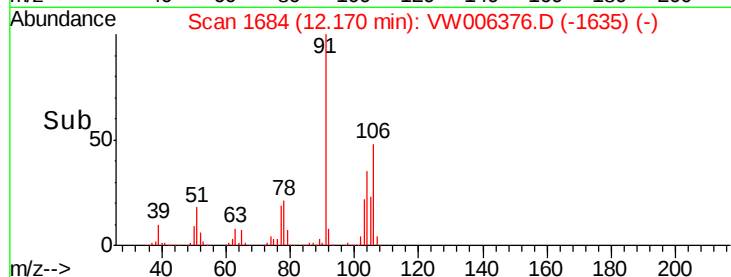
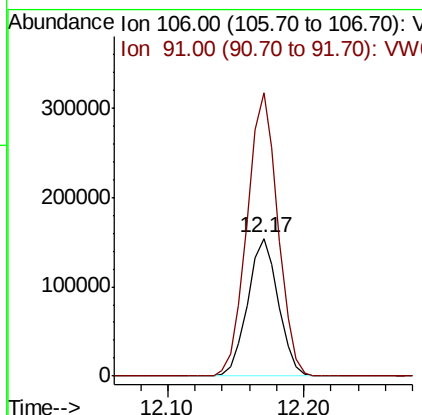
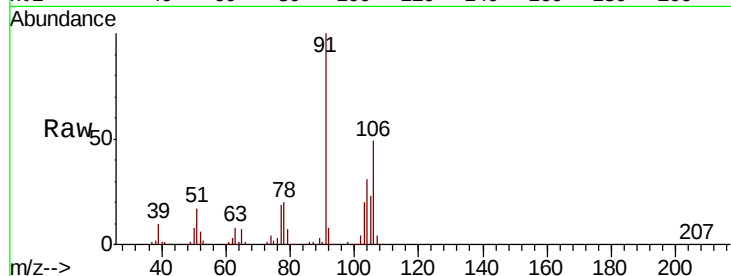




#69
o-Xylene
Concen: 57.706 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

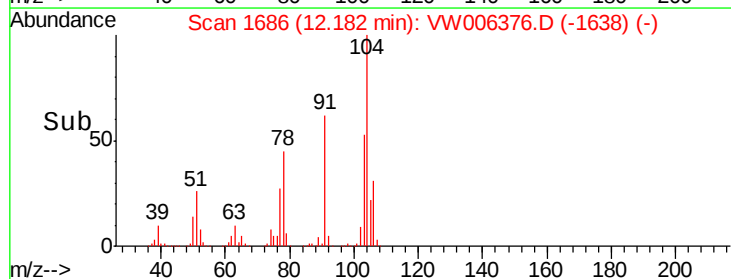
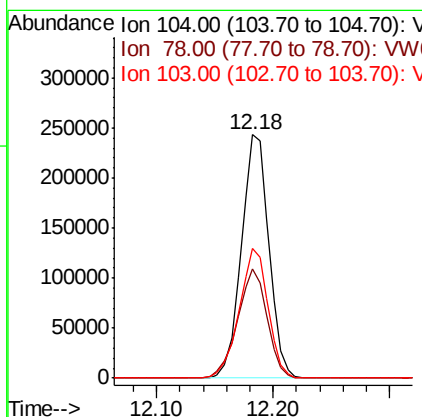
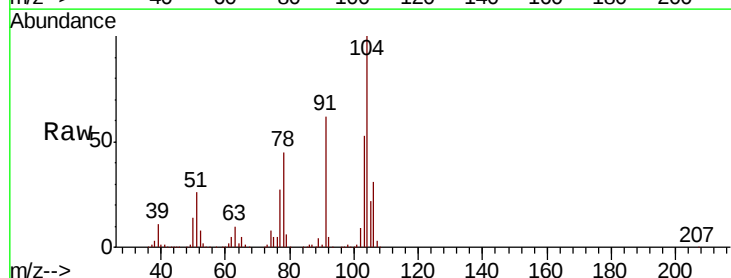
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

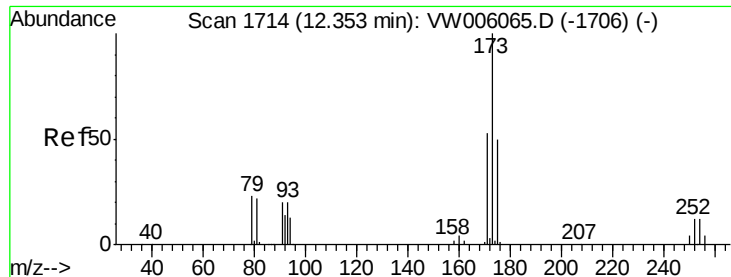
Tot Ion:106 Resp: 243347
Ion Ratio Lower Upper
106 100
91 206.6 105.4 316.1



#70
Styrene
Concen: 58.323 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Tgt Ion:104 Resp: 399945
Ion Ratio Lower Upper
104 100
78 47.9 39.1 58.7
103 56.0 44.3 66.5





#71

Bromoform

Concen: 55.907 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

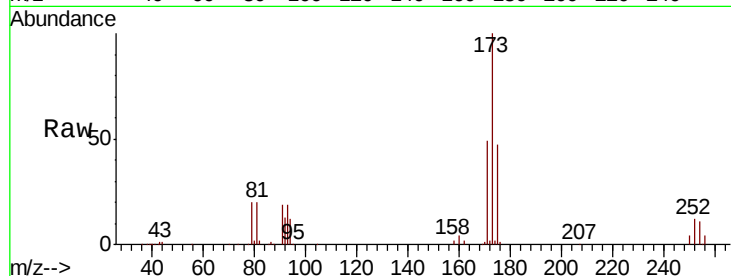
Tot Ion:173 Resp: 71586

Ion Ratio Lower Upper

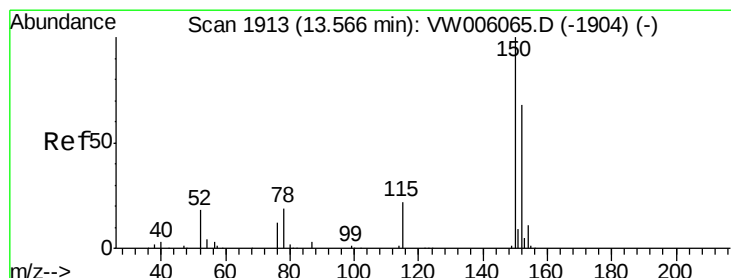
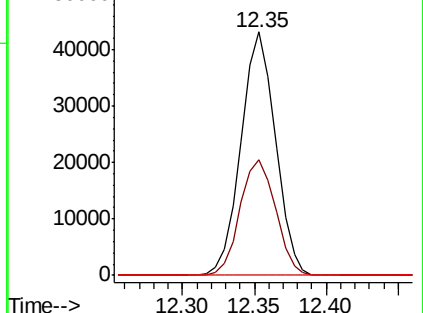
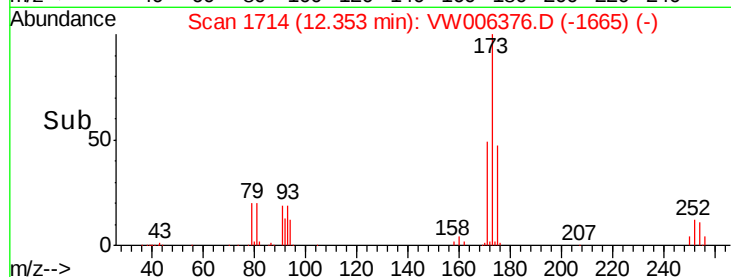
173 100

175 48.8 24.2 72.6

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

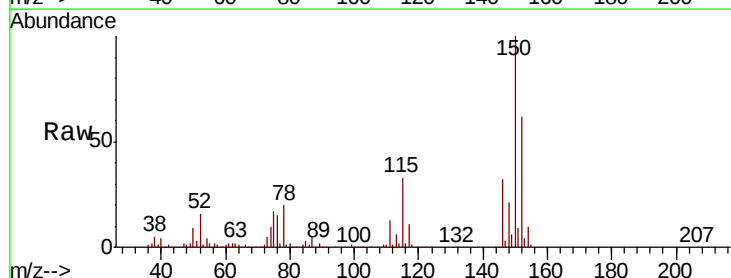
Tgt Ion:152 Resp: 172257

Ion Ratio Lower Upper

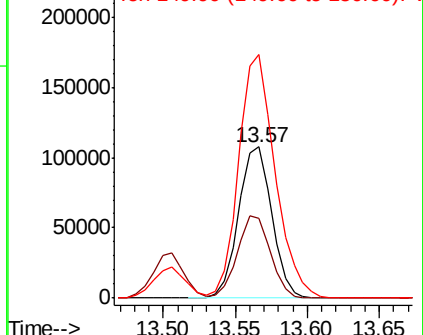
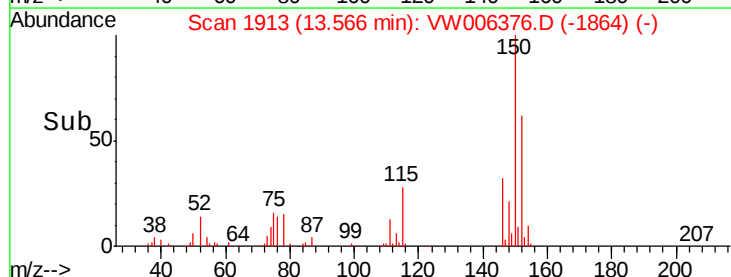
152 100

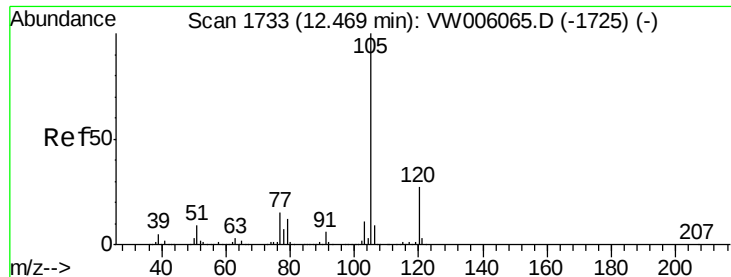
115 53.9 27.8 83.3

150 176.5 0.0 349.2



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





#73

Isopropylbenzene

Concen: 55.660 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

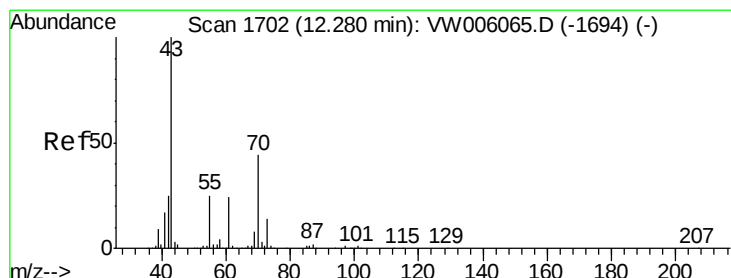
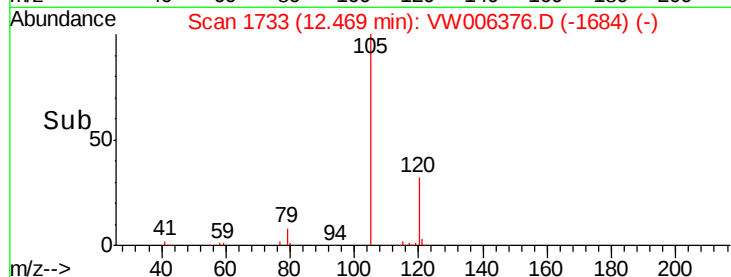
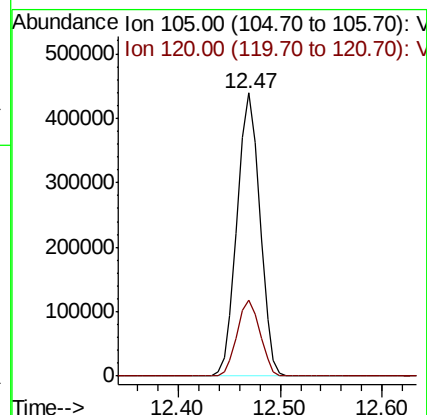
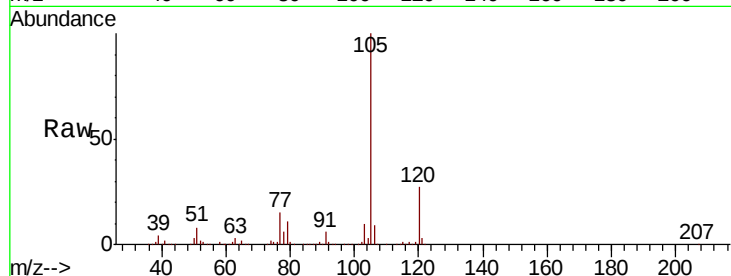
VSTDCCC050

Tot Ion:105 Resp: 677345

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#74

N-ethyl acetate

Concen: 52.659 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Tgt Ion: 43 Resp: 124466

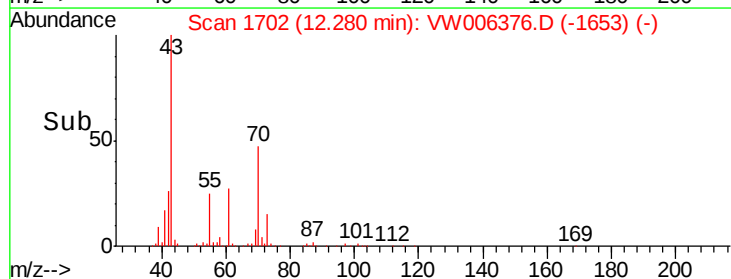
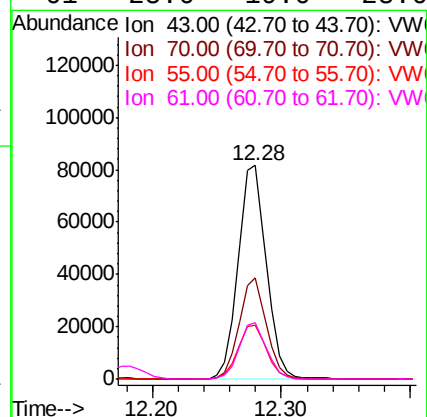
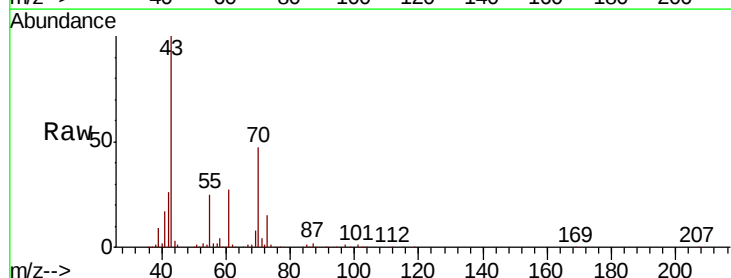
Ion Ratio Lower Upper

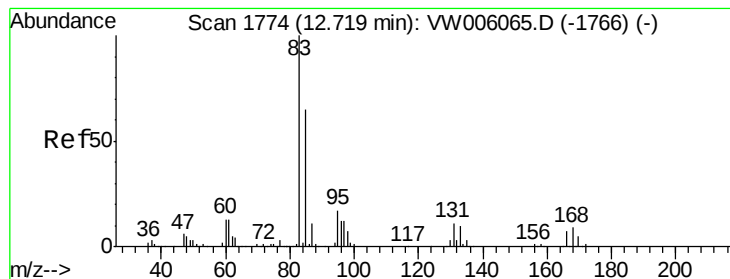
43 100

70 45.9 34.2 51.4

55 25.6 19.2 28.8

61 25.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 59.077 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

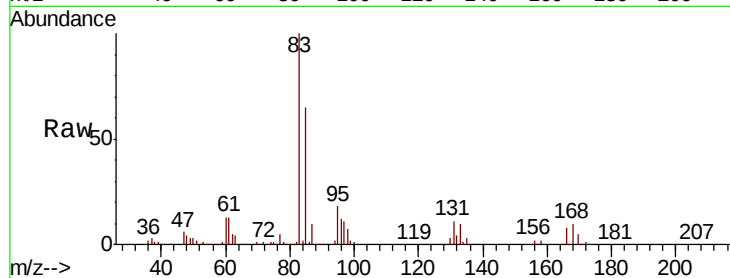
Tot Ion: 83 Resp: 109346

Ion Ratio Lower Upper

83 100

131 12.0 5.9 17.7

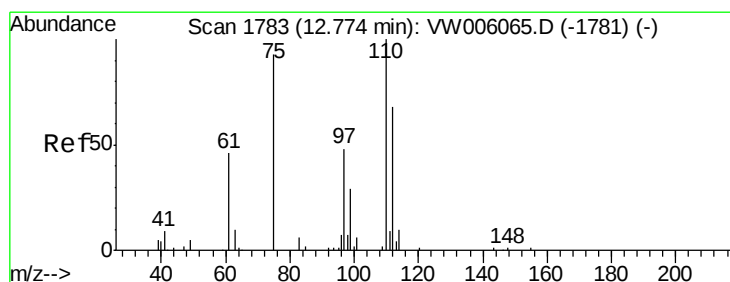
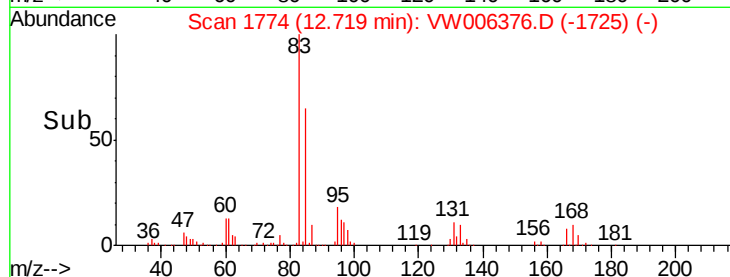
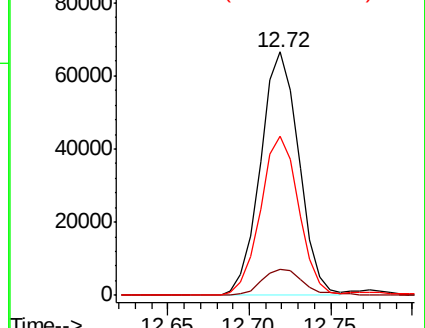
85 65.0 31.9 95.9



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: 104.178 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006376.D

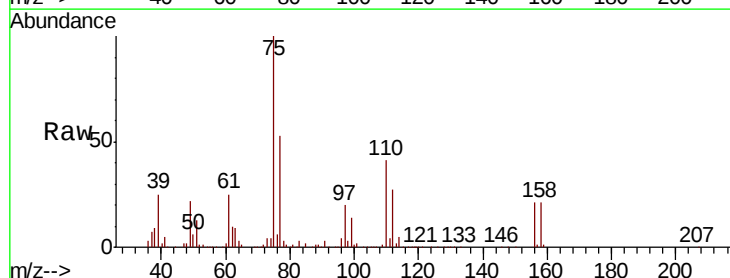
Acq: 25 Oct 2018 23:07

Tgt Ion: 75 Resp: 137067

Ion Ratio Lower Upper

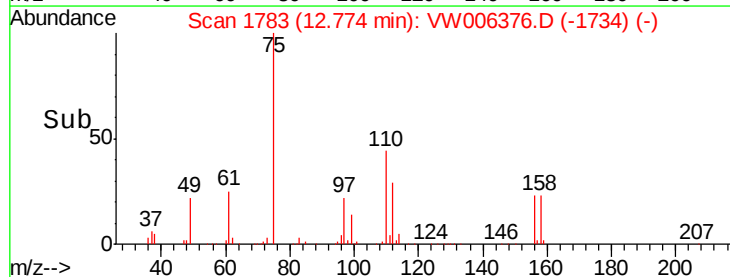
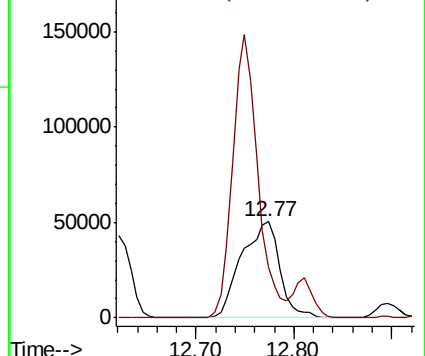
75 100

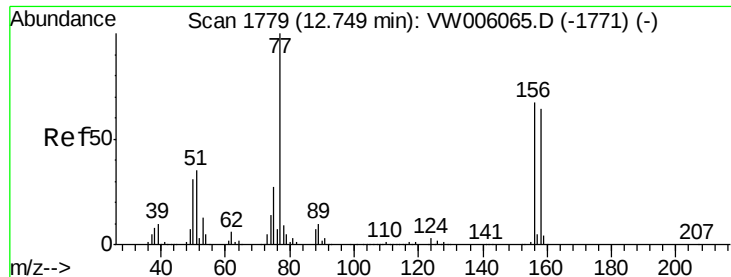
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 57.619 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

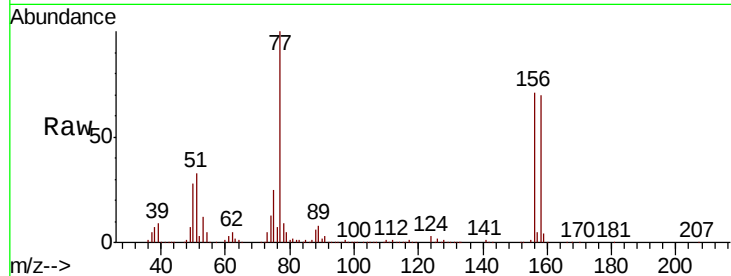
Tot Ion:156 Resp: 171744

Ion Ratio Lower Upper

156 100

77 155.2 79.1 237.4

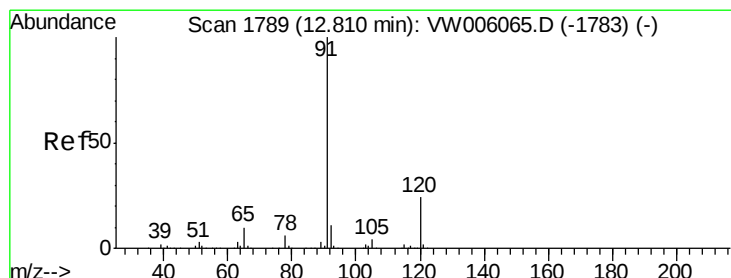
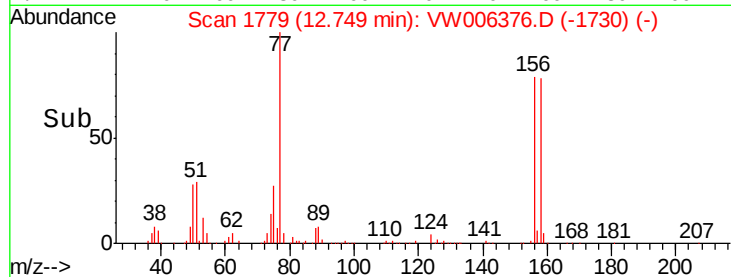
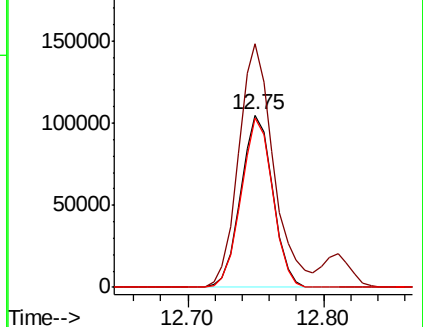
158 97.6 48.5 145.6



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: 55.564 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006376.D

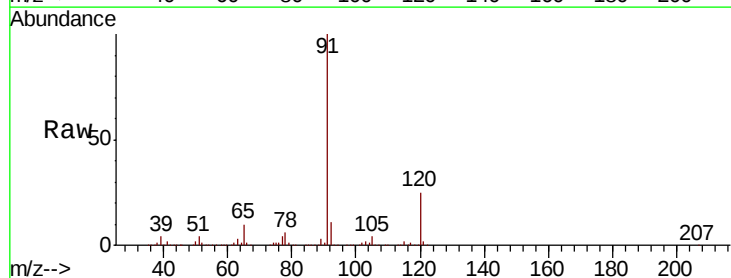
Acq: 25 Oct 2018 23:07

Tgt Ion: 91 Resp: 786684

Ion Ratio Lower Upper

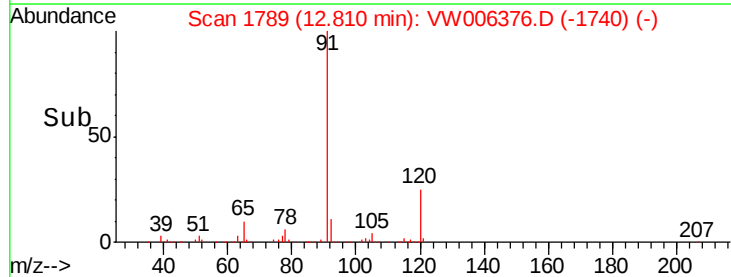
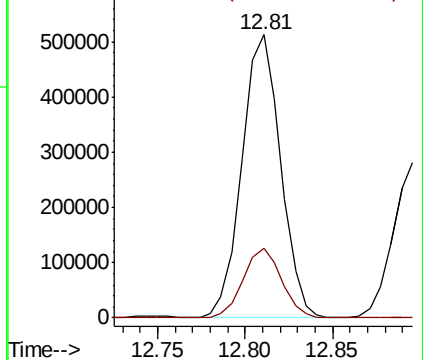
91 100

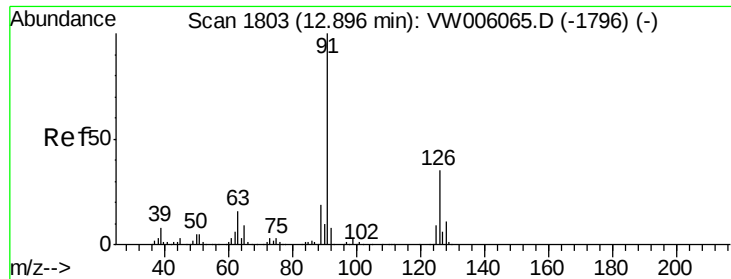
120 24.5 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

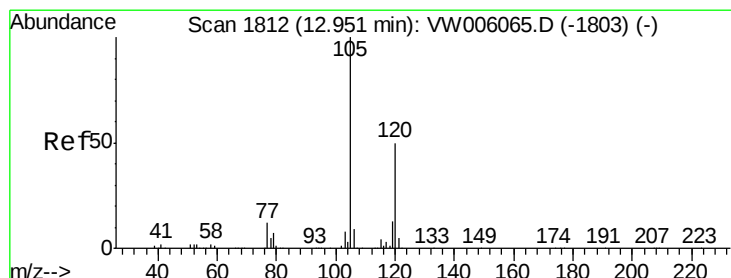
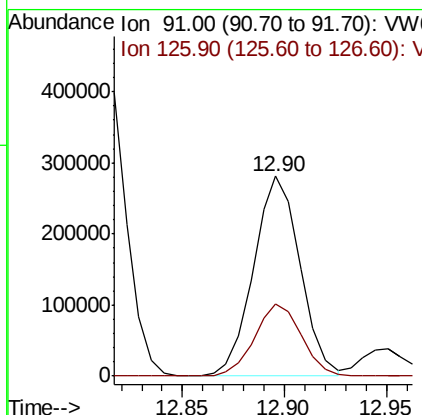
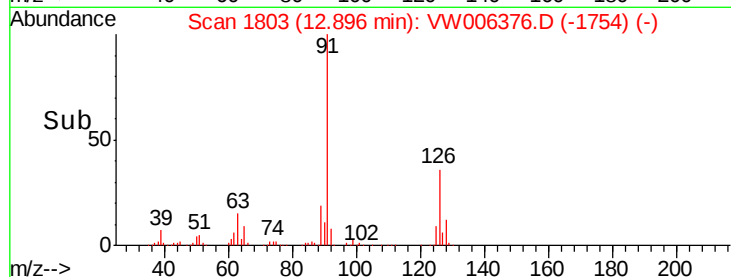
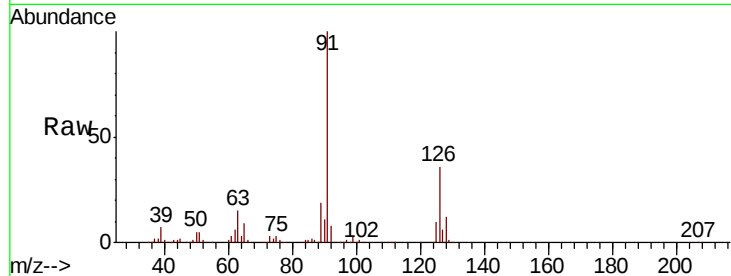




#79
 2-Chlorotoluene
 Concen: 56.018 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006376.D
 Acq: 25 Oct 2018 23:07

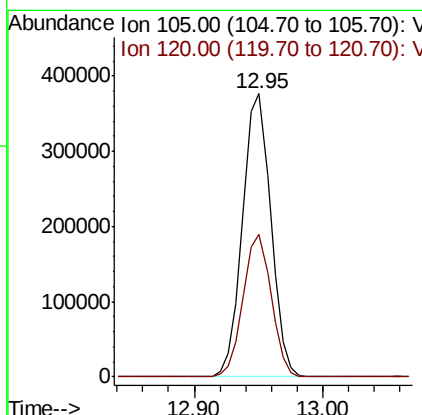
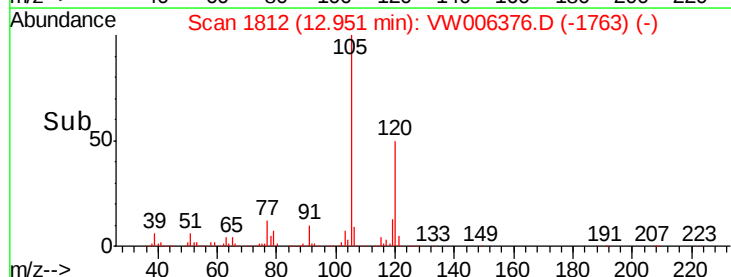
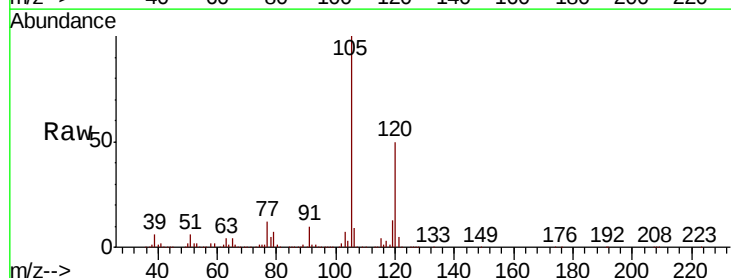
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 445620
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 55.634 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006376.D
 Acq: 25 Oct 2018 23:07

Tgt Ion:105 Resp: 570752
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.574 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

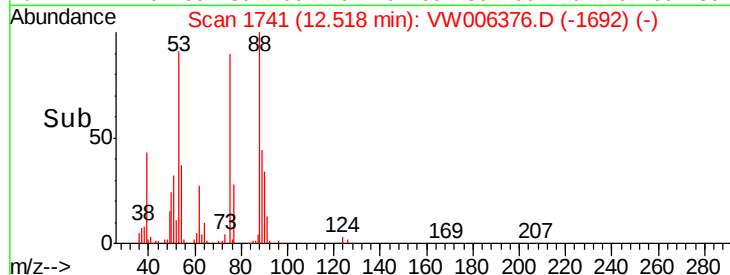
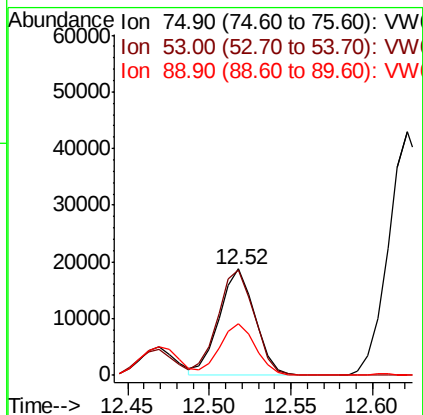
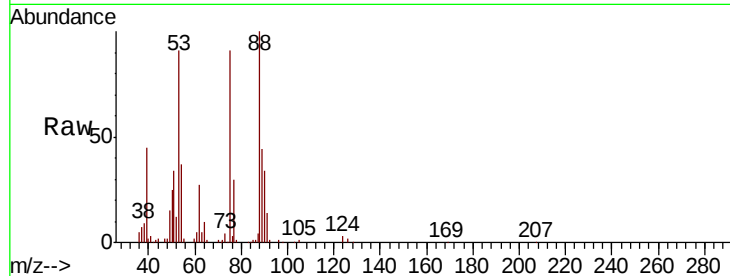
Tot Ion: 75 Resp: 28387

Ion	Ratio	Lower	Upper
75	100		
53	103.1	79.8	119.6
89	48.2	37.5	56.3

75 100

53 103.1 79.8 119.6

89 48.2 37.5 56.3



#82

4-Chlorotoluene

Concen: 56.456 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006376.D

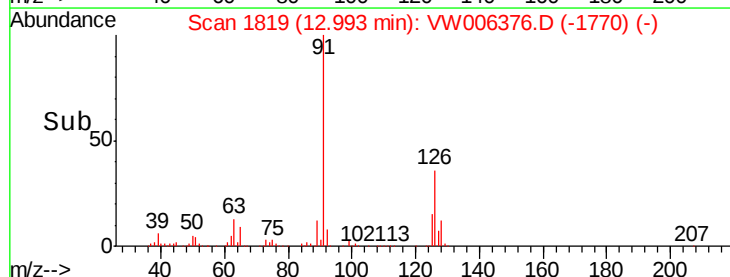
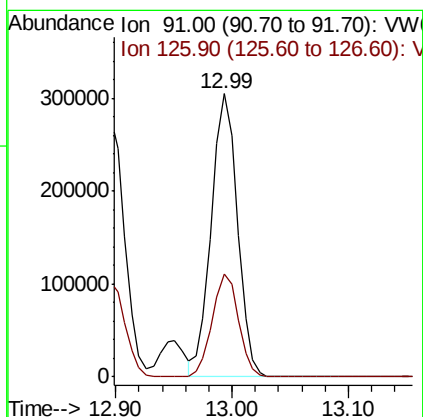
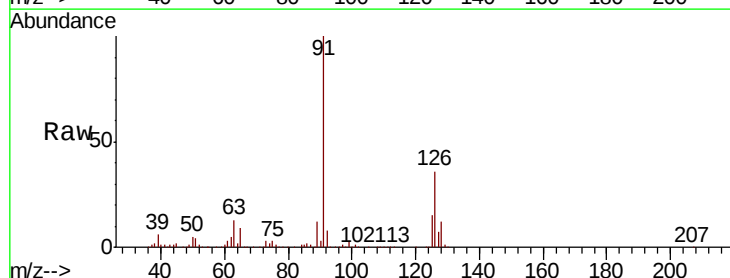
Acq: 25 Oct 2018 23:07

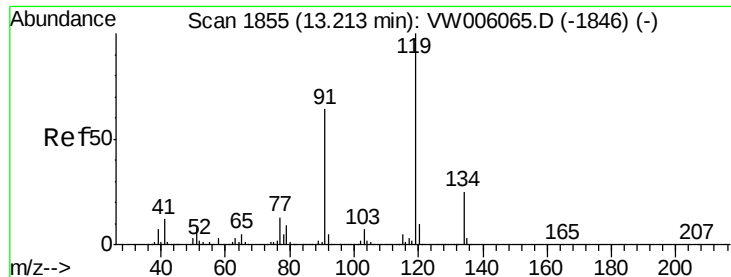
Tgt Ion: 91 Resp: 470450

Ion	Ratio	Lower	Upper
91	100		
126	36.6	18.1	54.3

91 100

126 36.6 18.1 54.3

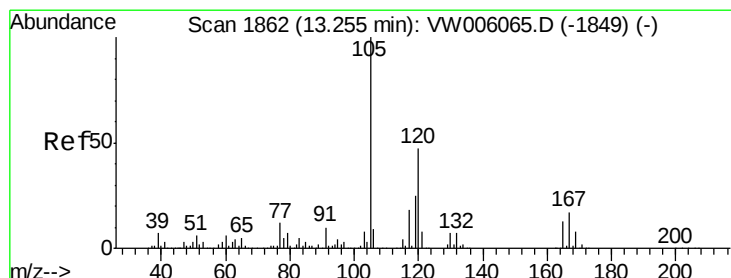
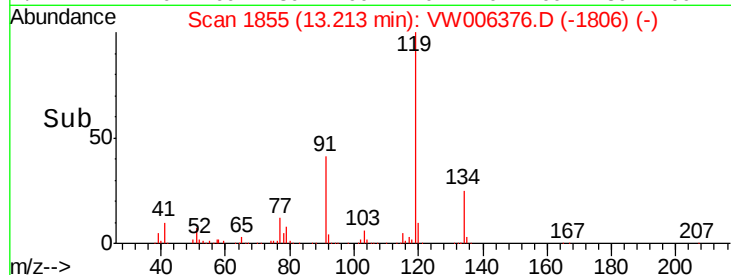
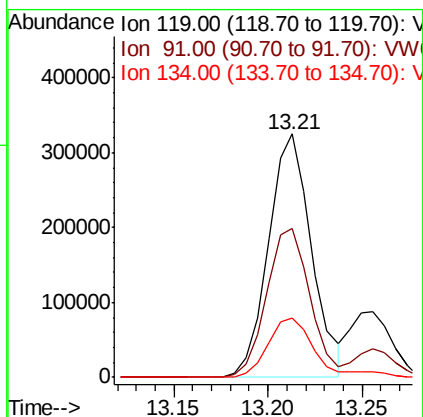
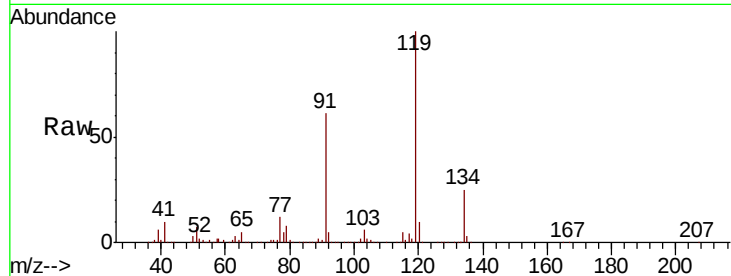




#83
tert-Butylbenzene
Concen: 56.099 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

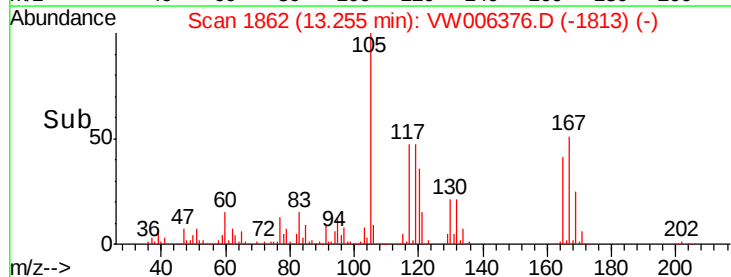
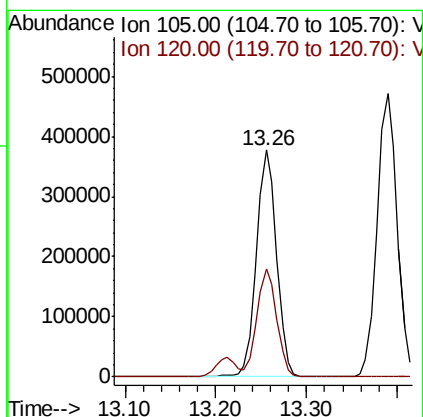
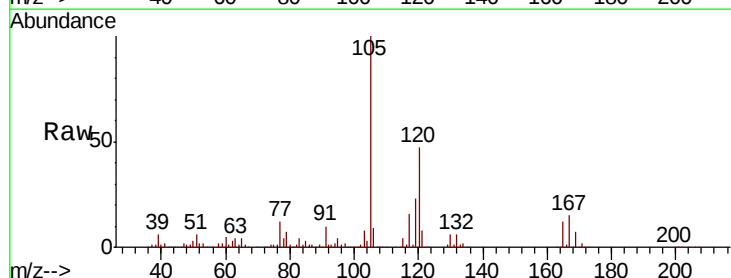
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

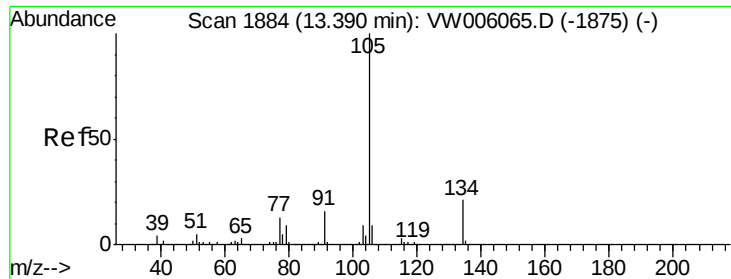
Tot Ion:119 Resp: 514919
Ion Ratio Lower Upper
119 100
91 61.6 32.3 96.9
134 25.1 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 55.854 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006376.D
Acq: 25 Oct 2018 23:07

Tgt Ion:105 Resp: 579832
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.3





#85

sec-Butylbenzene

Concen: 55.474 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

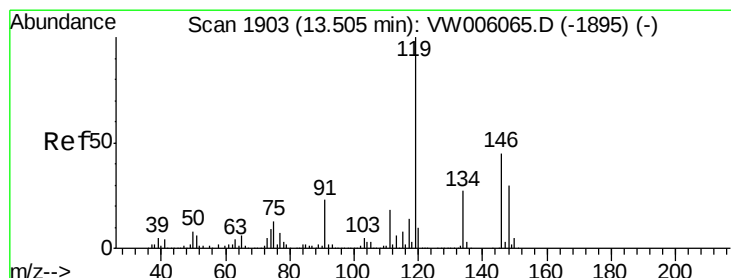
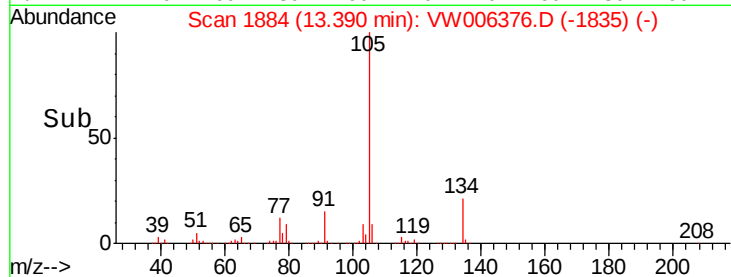
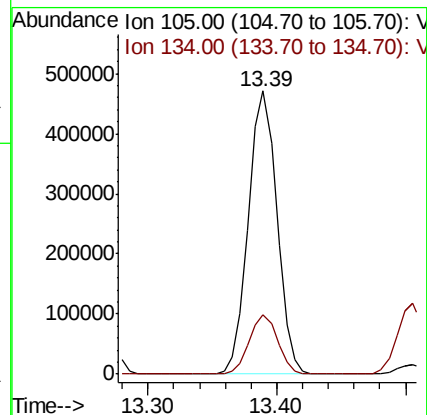
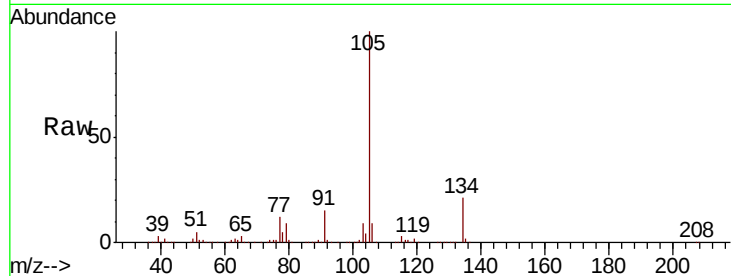
VSTDCCC050

Tot Ion:105 Resp: 719348

Ion Ratio Lower Upper

105 100

134 21.0 10.5 31.6



#86

p-Isopropyltoluene

Concen: 55.965 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

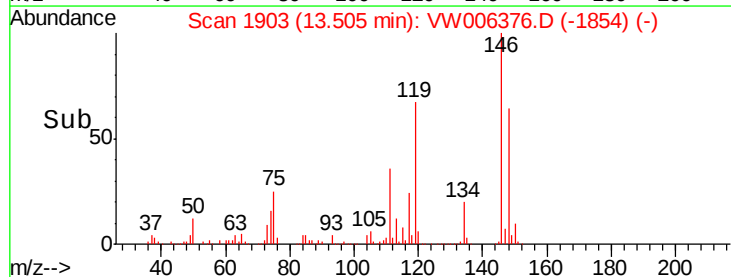
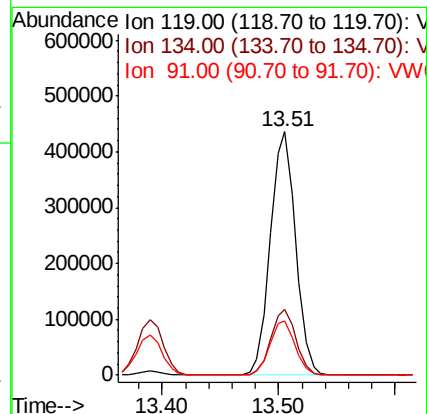
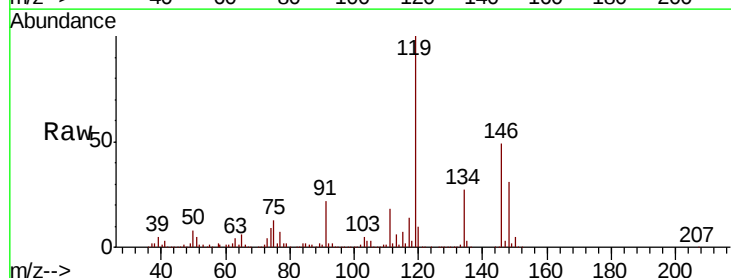
Tgt Ion:119 Resp: 656409

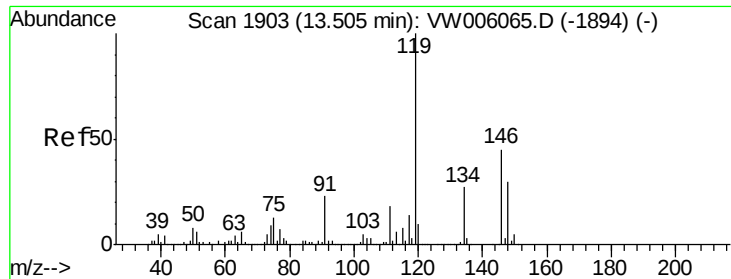
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.3 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 57.148 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

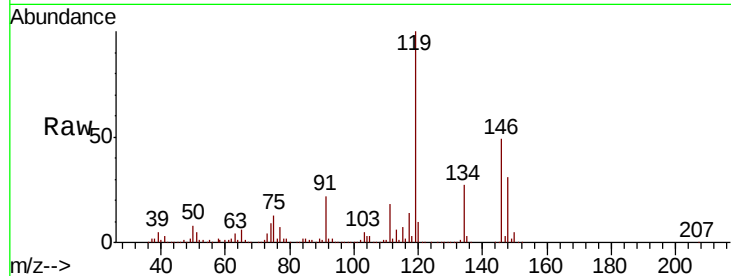
Tot Ion:146 Resp: 339004

Ion Ratio Lower Upper

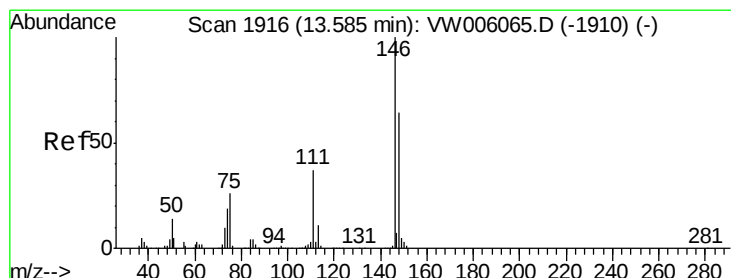
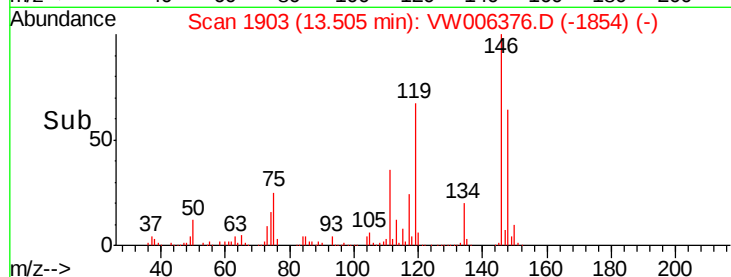
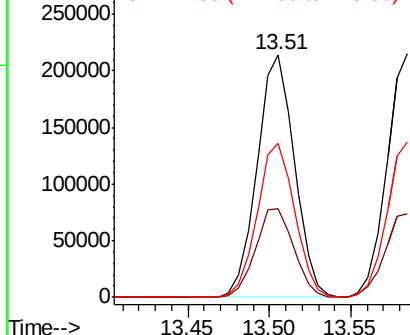
146 100

111 37.5 19.1 57.5

148 63.9 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 56.974 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

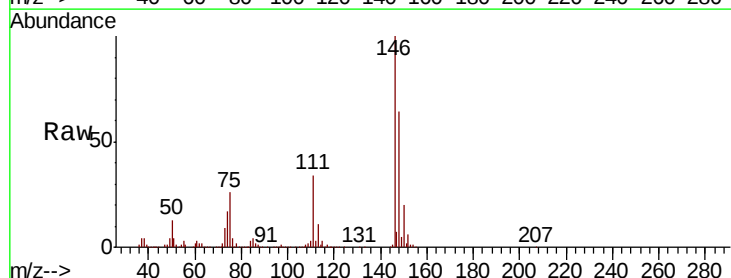
Tgt Ion:146 Resp: 336512

Ion Ratio Lower Upper

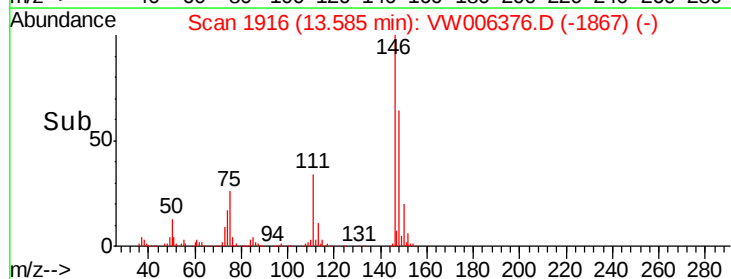
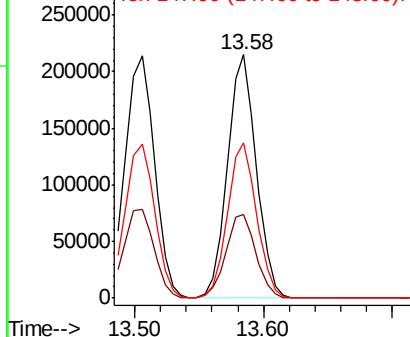
146 100

111 35.8 18.6 56.0

148 64.2 32.1 96.5



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





#89

n-Butylbenzene

Concen: 54.835 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

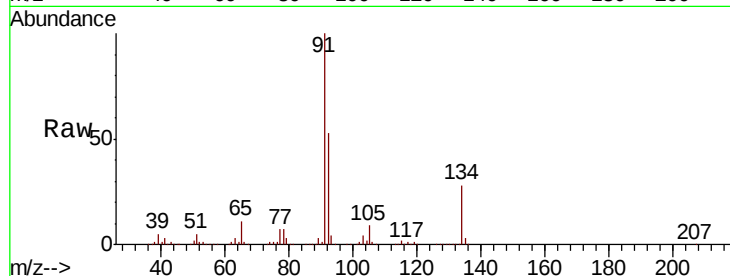
Tot Ion: 91 Resp: 588193

Ion Ratio Lower Upper

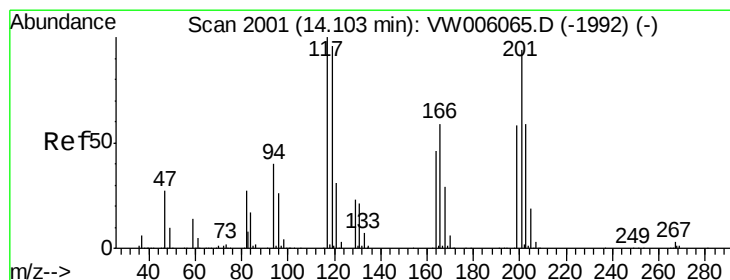
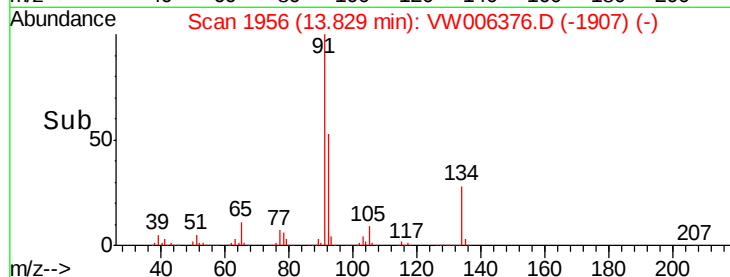
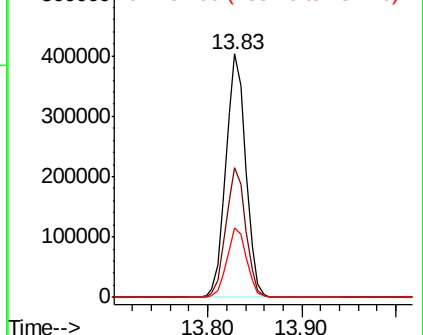
91 100

92 52.8 26.6 79.7

134 28.5 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.299 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006376.D

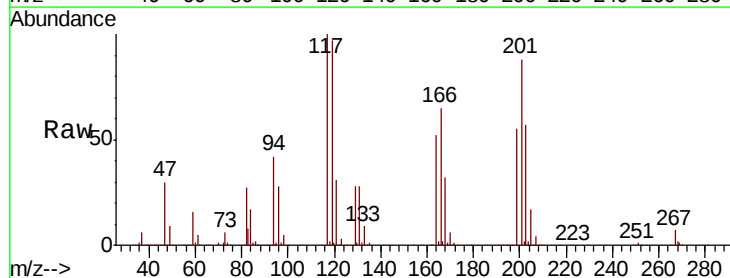
Acq: 25 Oct 2018 23:07

Tgt Ion: 117 Resp: 105888

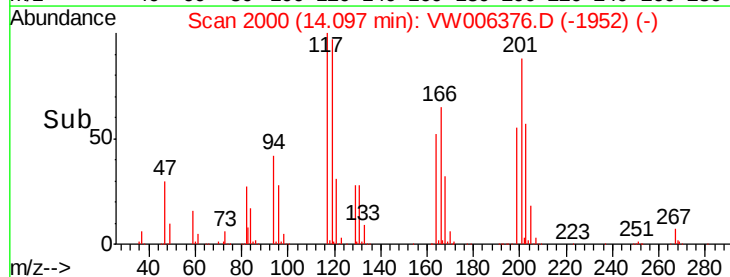
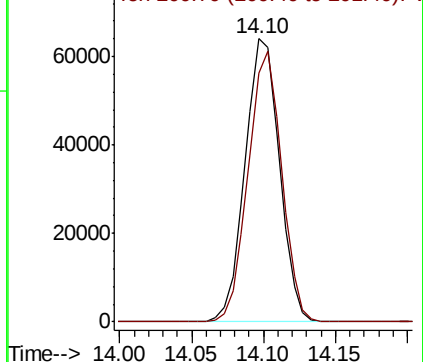
Ion Ratio Lower Upper

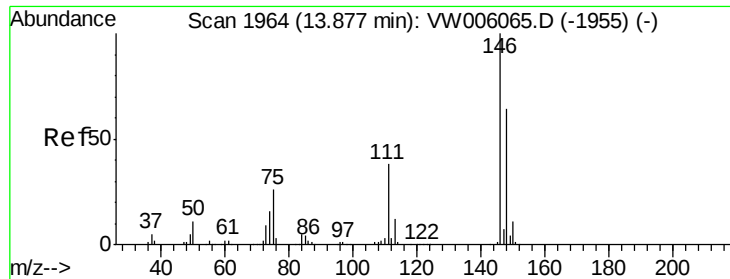
117 100

201 93.2 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 57.266 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

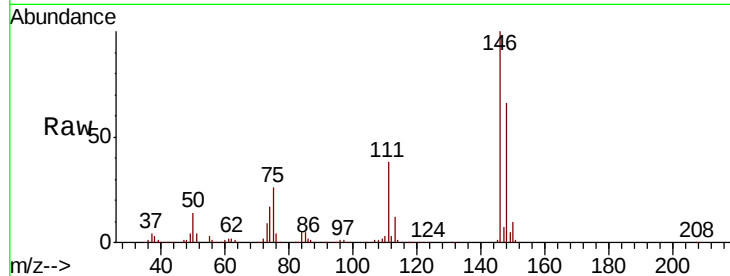
Tot Ion:146 Resp: 303014

Ion Ratio Lower Upper

146 100

111 38.6 19.6 58.7

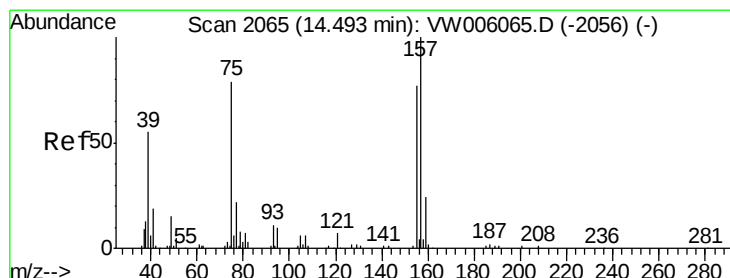
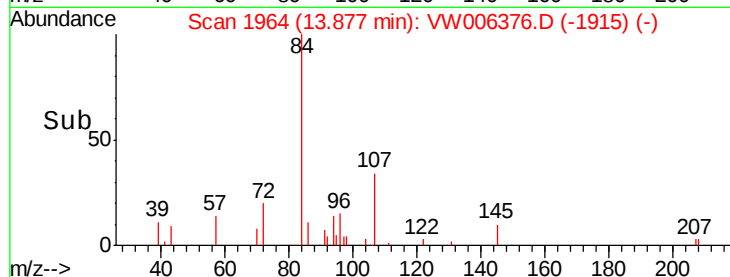
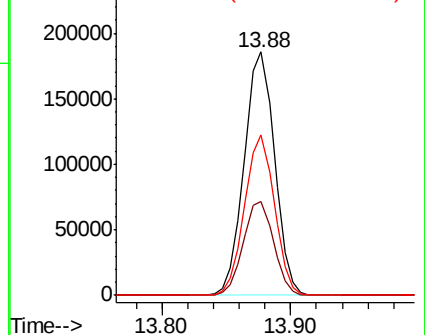
148 64.5 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.329 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

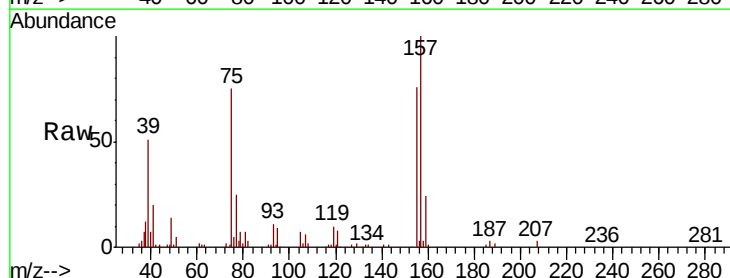
Tgt Ion: 75 Resp: 18004

Ion Ratio Lower Upper

75 100

155 96.7 46.5 139.5

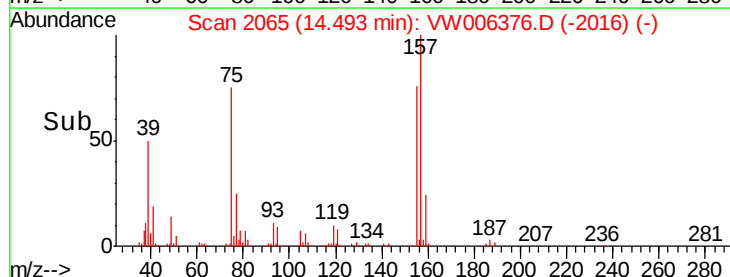
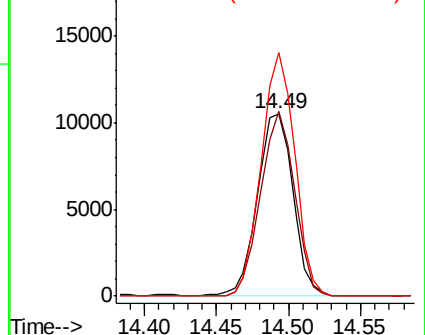
157 125.9 59.8 179.4

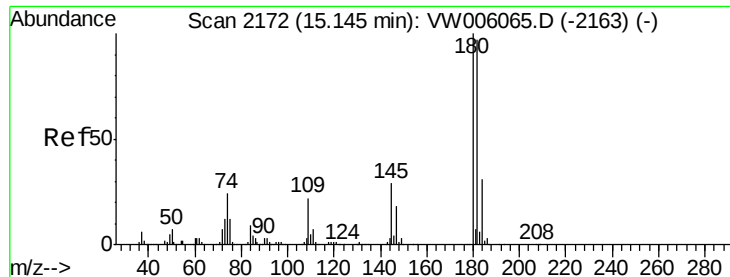


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

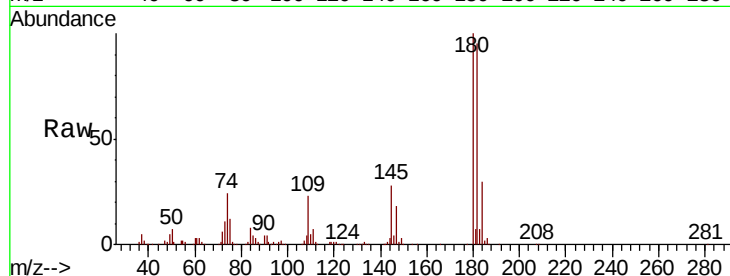




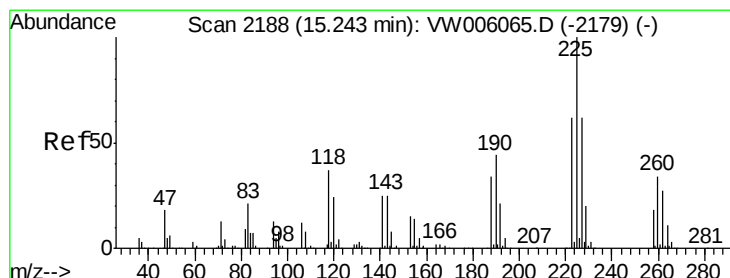
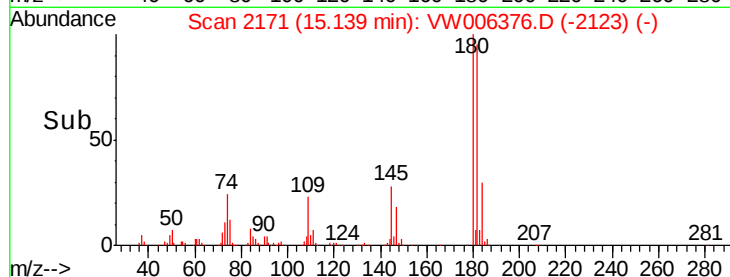
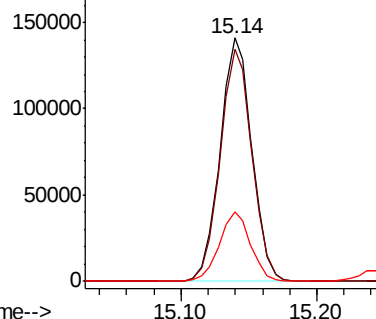
#93
 1,2,4-Trichlorobenzene
 Concen: 56.614 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006376.D
 Acq: 25 Oct 2018 23:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.6
145	28.1	14.2	42.8

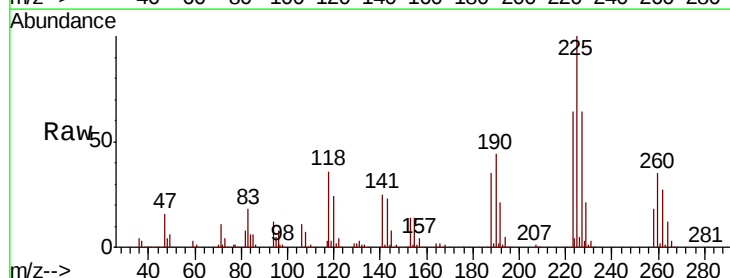


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

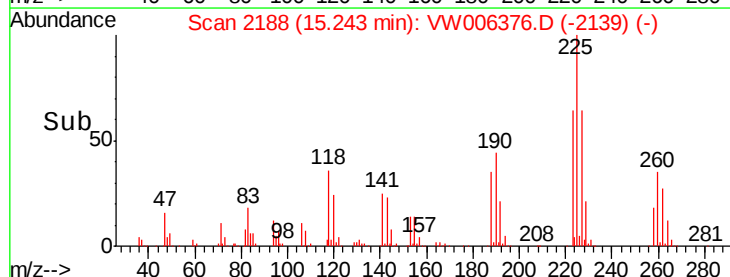
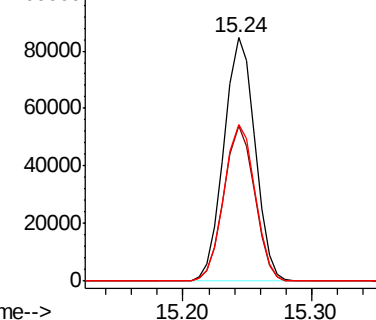


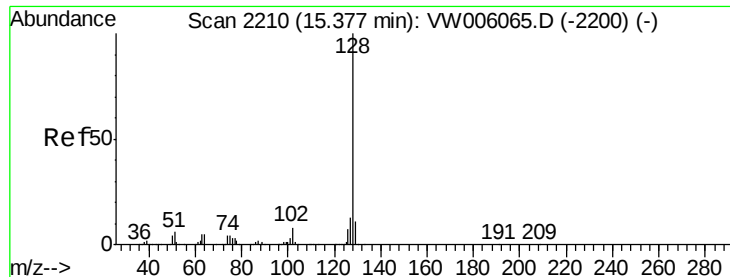
#94
 Hexachlorobutadiene
 Concen: 55.124 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006376.D
 Acq: 25 Oct 2018 23:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.1	93.5
227	64.8	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: 58.062 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

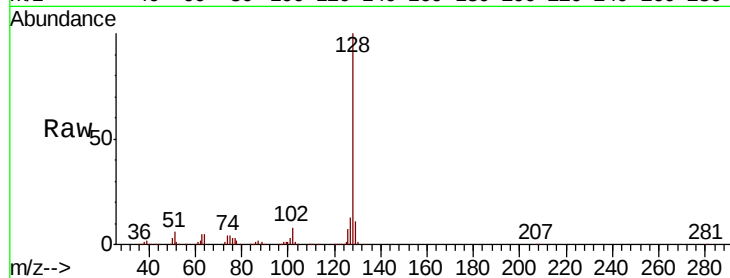
Tot Ion:128 Resp: 393244

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

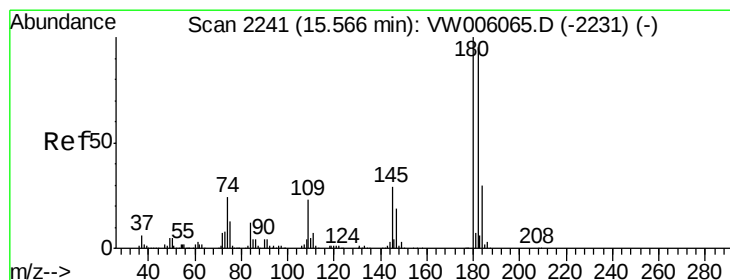
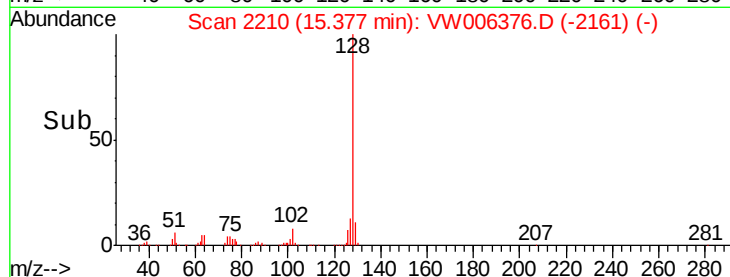
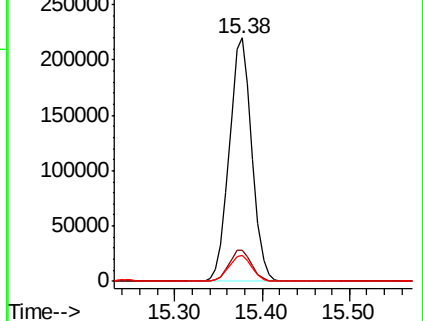
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 57.384 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006376.D

Acq: 25 Oct 2018 23:07

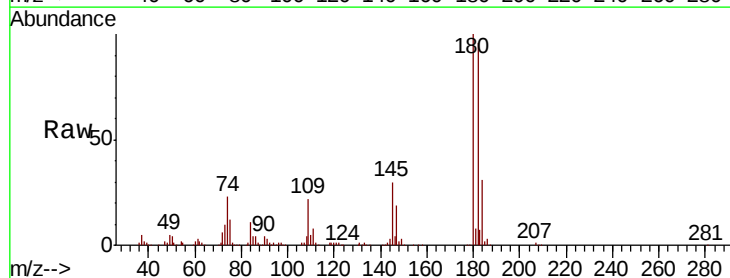
Tgt Ion:180 Resp: 202081

Ion Ratio Lower Upper

180 100

182 95.6 47.8 143.3

145 29.9 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

