

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110118\
 Data File : VW006519.D
 Acq On : 31 Oct 2018 11:51
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 31 13:32:56 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	241311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	330169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	174028	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	72654	36.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.64%	
35) Dibromofluoromethane	7.88	113	81510	41.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.56%	
50) Toluene-d8	10.32	98	303346	40.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.74%	
62) 4-Bromofluorobenzene	12.62	95	115638	41.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	66973	56.08	ug/l	95
3) Chloromethane	2.22	50	83909	54.59	ug/l	100
4) Vinyl Chloride	2.37	62	123924	56.45	ug/l	99
5) Bromomethane	2.79	94	100223	50.20	ug/l	100
6) Chloroethane	2.93	64	87186	55.42	ug/l	98
7) Trichlorofluoromethane	3.26	101	118482	57.94	ug/l	99
8) Diethyl Ether	3.68	74	51824	47.68	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	121573	56.73	ug/l	99
10) Methyl Iodide	4.26	142	196338	55.04	ug/l	99
11) Tert butyl alcohol	5.24	59	26915	200.04	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	113036	56.06	ug/l	93
13) Acrolein	3.90	56	31633	242.97	ug/l	96
14) Allyl chloride	4.66	41	149751	51.94	ug/l	96
15) Acrylonitrile	5.38	53	95525	245.05	ug/l	99
16) Acetone	4.15	43	107332	288.23	ug/l	94
17) Carbon Disulfide	4.37	76	315869	51.91	ug/l	98
18) Methyl Acetate	4.68	43	47802	47.48	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	149332	48.63	ug/l	96
20) Methylene Chloride	4.91	84	115995	54.96	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	127543	56.67	ug/l	95
22) Diisopropyl ether	6.31	45	296644	52.07	ug/l	97
23) Vinyl Acetate	6.26	43	813767	242.04	ug/l	97
24) 1,1-Dichloroethane	6.21	63	206036	56.05	ug/l	99
25) 2-Butanone	7.18	43	130018	240.57	ug/l	97
26) 2,2-Dichloropropane	7.17	77	140688	54.26	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	139567	56.20	ug/l	98
28) Bromochloromethane	7.51	49	75156	52.96	ug/l	92
29) Tetrahydrofuran	7.54	42	74102	223.06	ug/l	96
30) Chloroform	7.68	83	224183	55.97	ug/l	99
31) Cyclohexane	7.95	56	185355	50.63	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	199787	55.30	ug/l	99
36) 1,1-Dichloropropene	8.08	75	178677	58.71	ug/l	99
37) Ethyl Acetate	7.26	43	53368	47.20	ug/l	99
38) Carbon Tetrachloride	8.07	117	195661	58.65	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	233284	57.67	ug/l	99
40) Benzene	8.32	78	494073	59.19	ug/l	98
41) Methacrylonitrile	7.49	41	31350	45.99	ug/l	93
42) 1,2-Dichloroethane	8.40	62	132676	54.10	ug/l	98
43) Isopropyl Acetate	8.43	43	108043	46.73	ug/l	97
44) Trichloroethene	9.09	130	152460	59.53	ug/l	99
45) 1,2-Dichloropropane	9.37	63	115086	57.61	ug/l	99
46) Dibromomethane	9.46	93	63261	55.56	ug/l	98
47) Bromodichloromethane	9.65	83	158180	57.31	ug/l	98
48) Methyl methacrylate	9.44	41	52228	47.66	ug/l	92
49) 1,4-Dioxane	9.49	88	17683	1008.89	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	270420	233.46	ug/l	96
52) Toluene	10.39	92	328147	58.63	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	153500	55.82	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	179136	56.75	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	90195	56.61	ug/l	98
56) Ethyl methacrylate	10.65	69	100513	51.46	ug/l	94
57) 1,3-Dichloropropane	10.93	76	145700	55.24	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	139318	186.67	ug/l	99
59) 2-Hexanone	10.97	43	202017	244.32	ug/l	95
60) Dibromochloromethane	11.13	129	111568	56.22	ug/l	99
61) 1,2-Dibromoethane	11.24	107	87663	55.07	ug/l	99
64) Tetrachloroethene	10.87	164	137292	58.77	ug/l	97
65) Chlorobenzene	11.66	112	380698	59.10	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	135353	59.13	ug/l	99
67) Ethyl Benzene	11.73	91	658589	59.00	ug/l	100
68) m/p-Xylenes	11.84	106	527946	119.65	ug/l	98
69) o-Xylene	12.17	106	247633	58.89	ug/l	98
70) Styrene	12.18	104	405376	59.28	ug/l	99
71) Bromoform	12.35	173	68932	53.99	ug/l #	98
73) Isopropylbenzene	12.47	105	705947	57.42	ug/l	99
74) N-amyl acetate	12.28	43	107401	44.98	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	98846	52.86	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	127824	96.16	ug/l #	100
77) Bromobenzene	12.75	156	170859	56.74	ug/l	97
78) n-propylbenzene	12.81	91	827886	57.88	ug/l	100
79) 2-Chlorotoluene	12.90	91	457163	56.88	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	595172	57.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	28595	51.42	ug/l	97
82) 4-Chlorotoluene	12.99	91	482415	57.30	ug/l	98
83) tert-Butylbenzene	13.21	119	539292	58.16	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	605232	57.71	ug/l	100
85) sec-Butylbenzene	13.39	105	765384	58.42	ug/l	100
86) p-Isopropyltoluene	13.51	119	698575	58.95	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	350221	58.44	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	343875	57.63	ug/l	99
89) n-Butylbenzene	13.83	91	632119	58.33	ug/l	99
90) Hexachloroethane	14.10	117	115805	57.70	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	307829	57.58	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15776	47.12	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

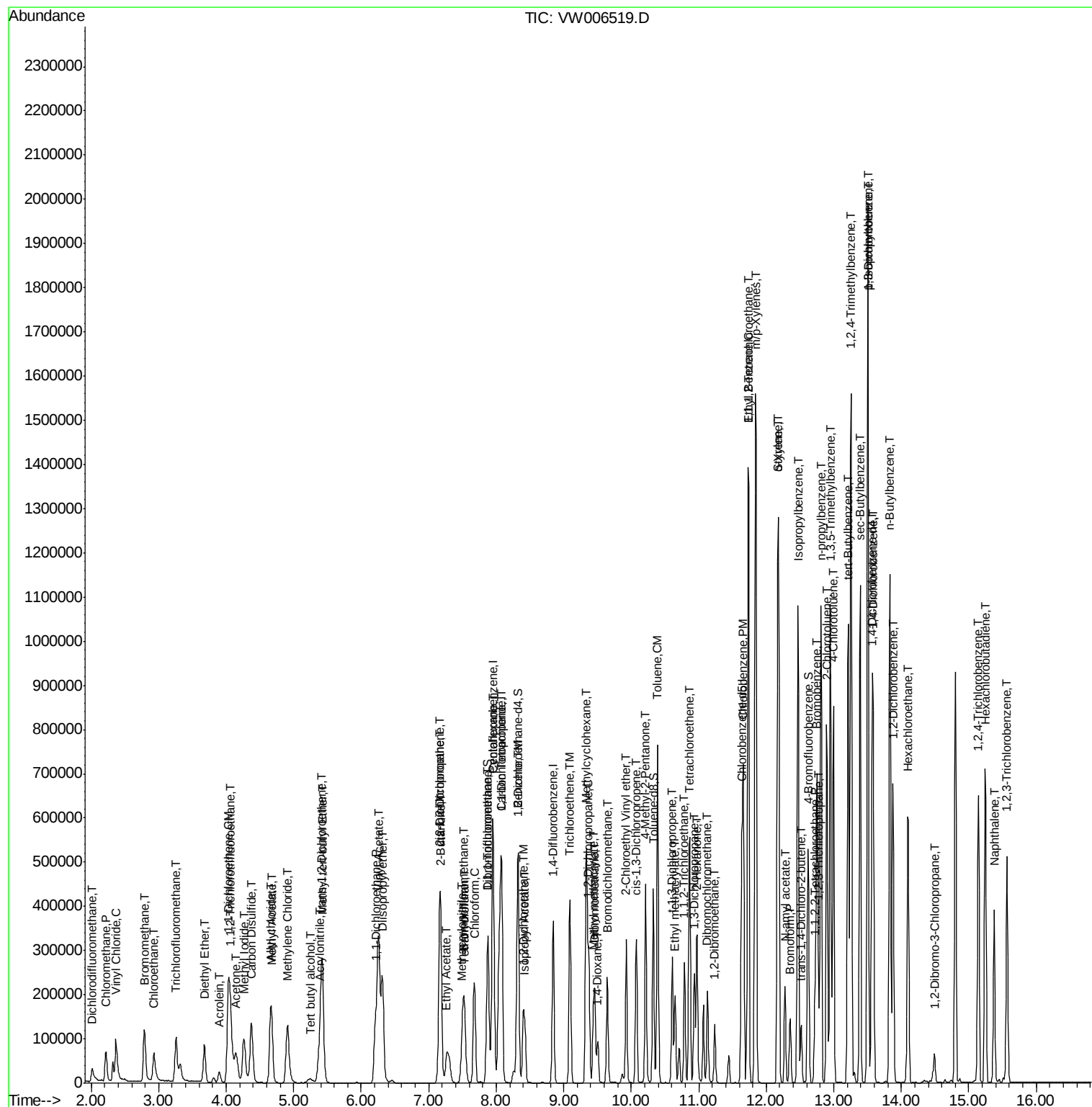
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	230719	56.09	ug/l	100
94) Hexachlorobutadiene	15.24	225	151434	58.61	ug/l	99
95) Naphthalene	15.38	128	347175	50.74	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	194171	54.58	ug/l	99

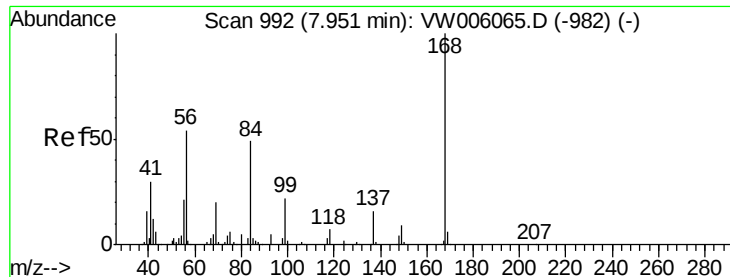
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW110118\
 Data File : VW006519.D
 Acq On : 31 Oct 2018 11:51
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 31 13:30:29 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

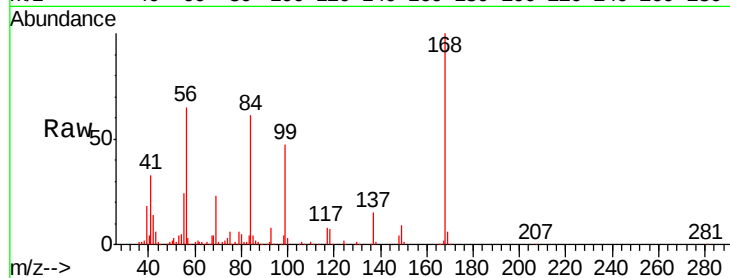
VSTDCCC050

Tgt Ion:168 Resp: 241311

Ion Ratio Lower Upper

168 100

99 47.3 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

120000

100000

80000

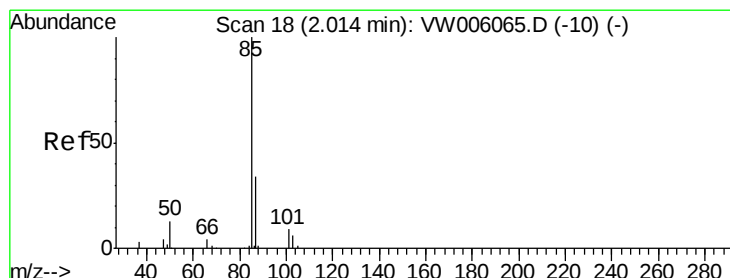
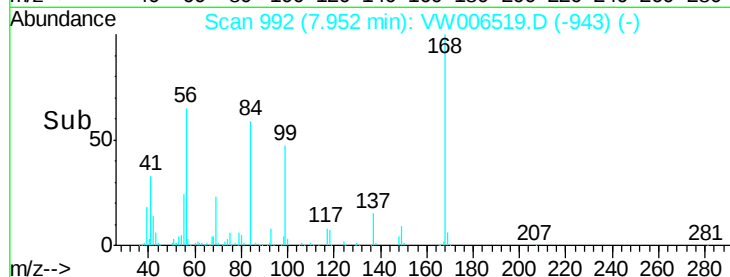
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 56.08 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006519.D

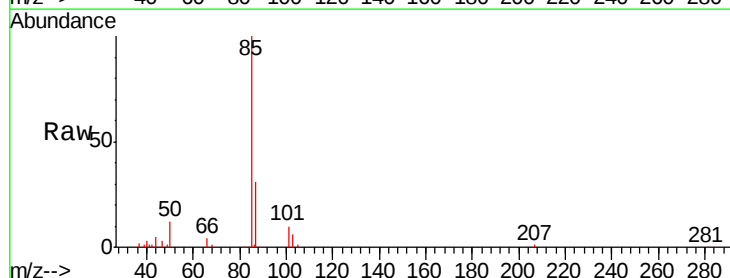
Acq: 31 Oct 2018 11:51

Tgt Ion: 85 Resp: 66973

Ion Ratio Lower Upper

85 100

87 30.6 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

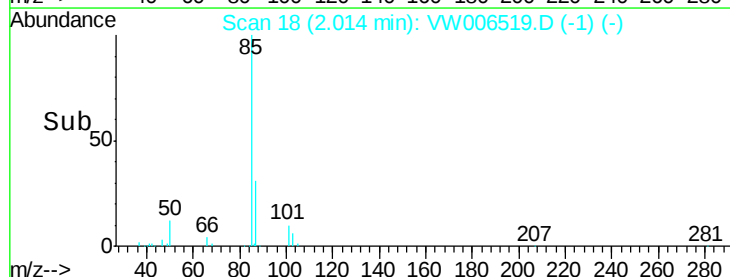
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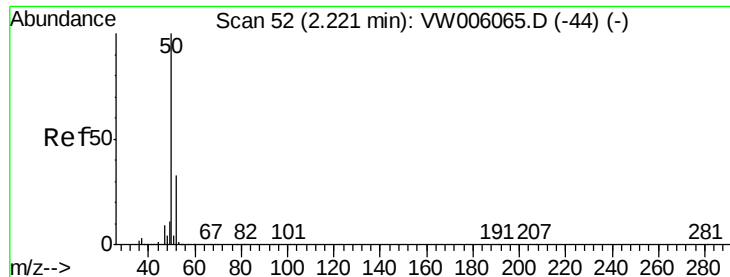
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5000

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Time-->

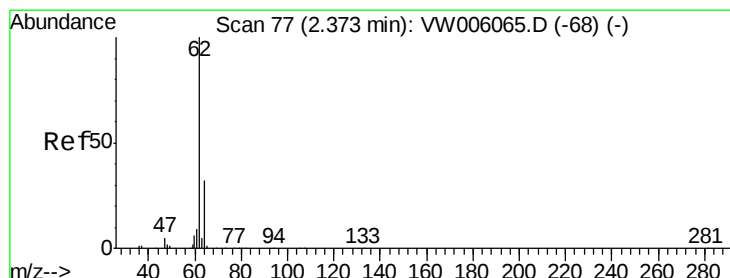
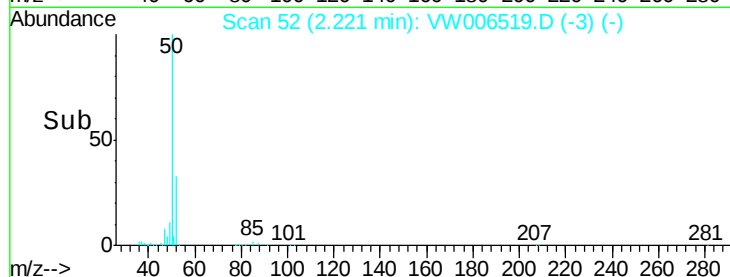
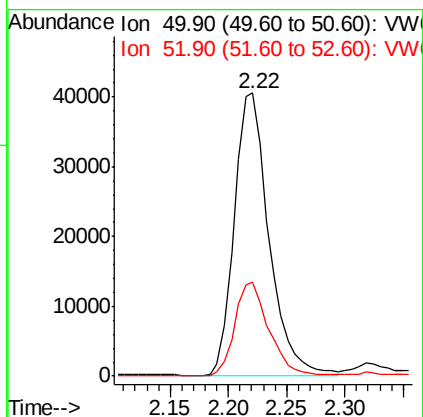
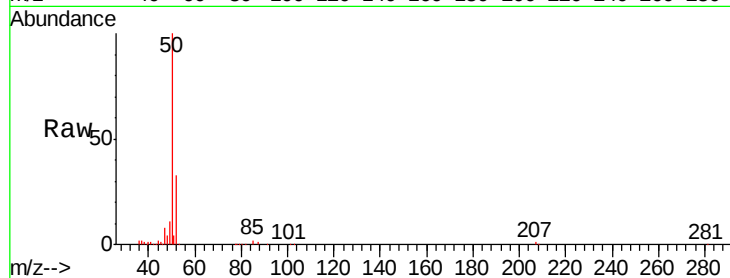




#3
Chloromethane
Concen: 54.59 ug/l
RT: 2.22 min Scan# 52
Delta R.T. 0.00 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

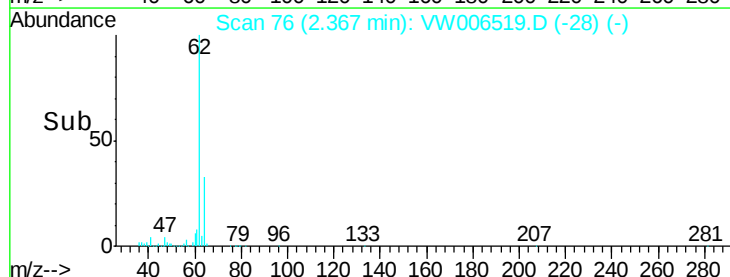
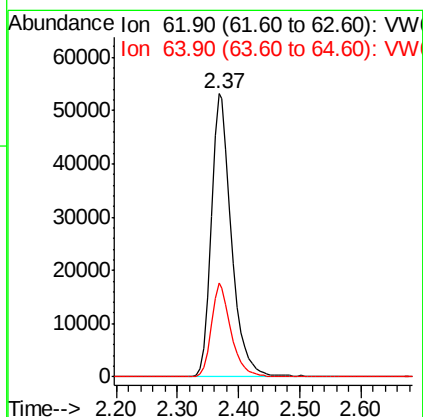
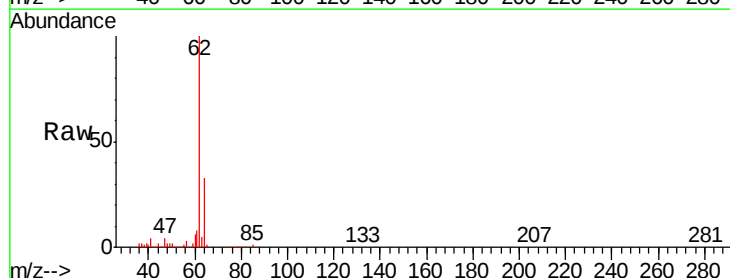
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

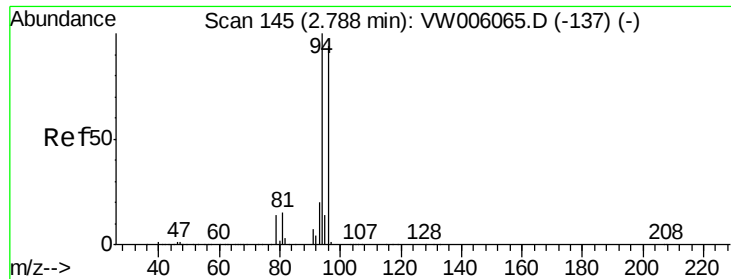
Tgt Ion: 50 Resp: 83909
Ion Ratio Lower Upper
50 100
52 33.3 26.8 40.2



#4
Vinyl Chloride
Concen: 56.45 ug/l
RT: 2.37 min Scan# 76
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Tgt Ion: 62 Resp: 123924
Ion Ratio Lower Upper
62 100
64 33.2 25.9 38.9





#5

Bromomethane

Concen: 50.20 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

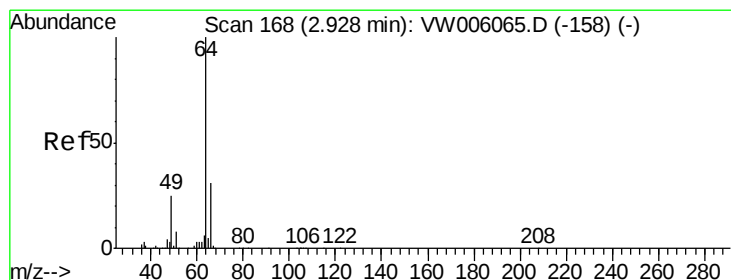
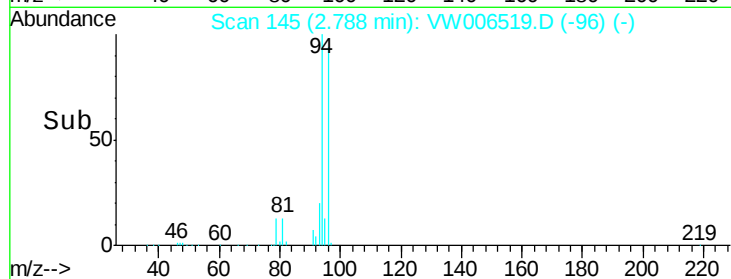
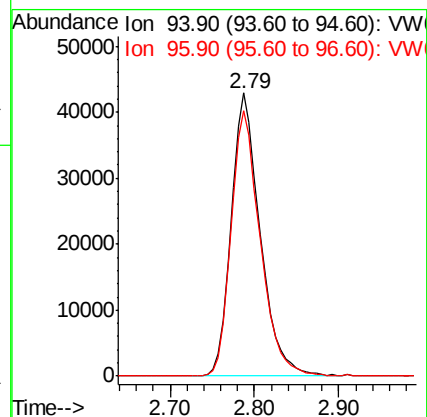
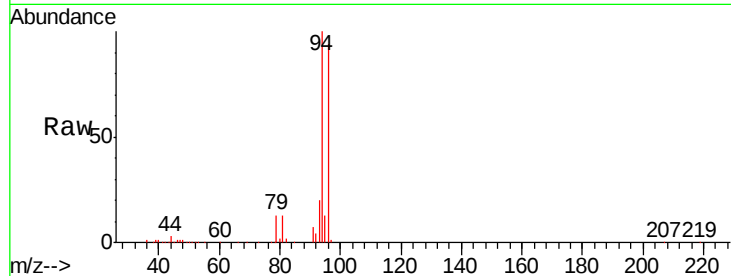
VSTDCCC050

Tgt Ion: 94 Resp: 100223

Ion Ratio Lower Upper

94 100

96 93.6 74.9 112.3



#6

Chloroethane

Concen: 55.42 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006519.D

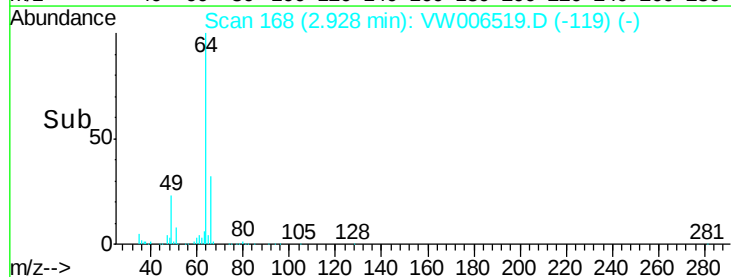
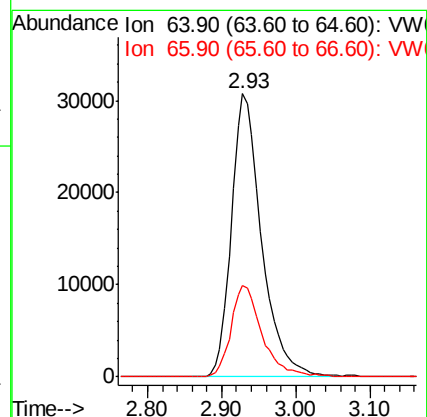
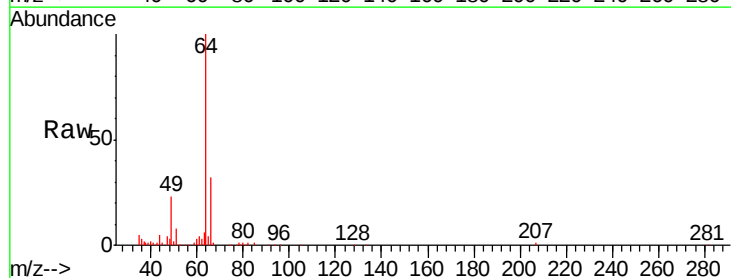
Acq: 31 Oct 2018 11:51

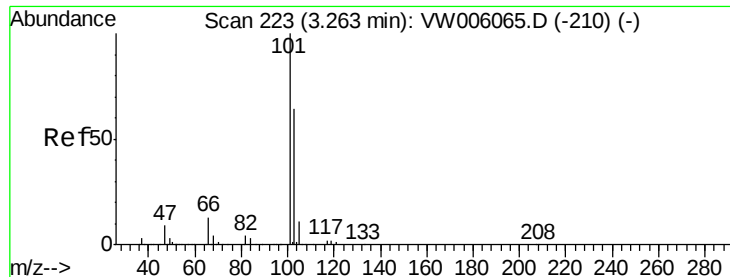
Tgt Ion: 64 Resp: 87186

Ion Ratio Lower Upper

64 100

66 32.3 24.9 37.3



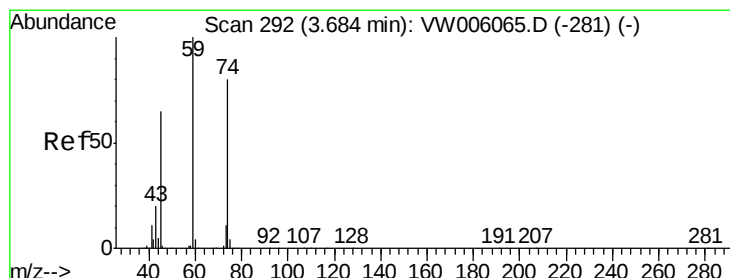
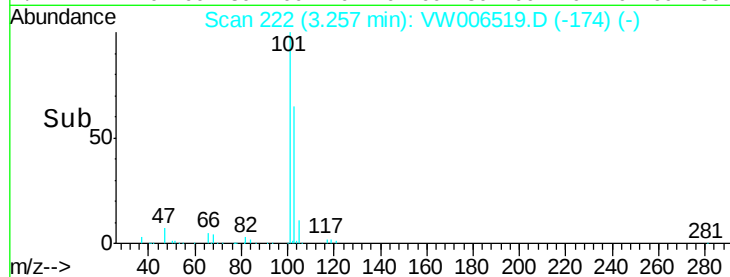
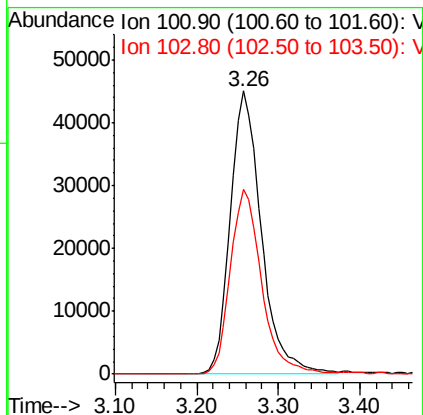
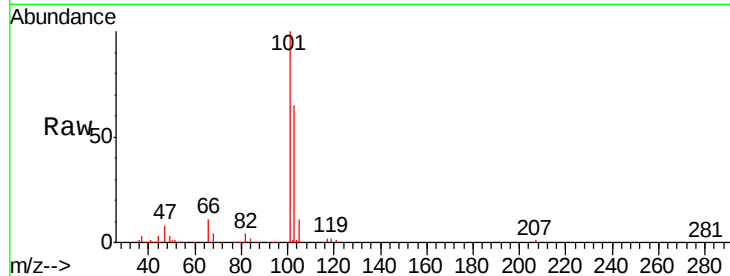


#7

Trichlorofluoromethane
 Concen: 57.94 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

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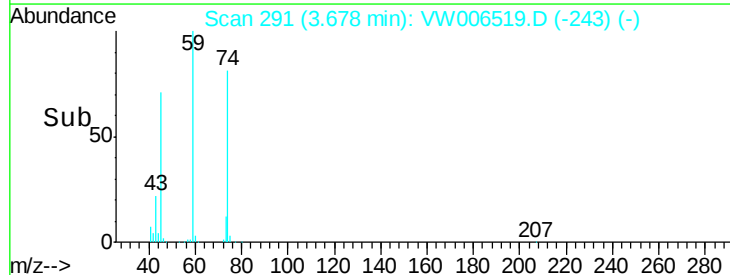
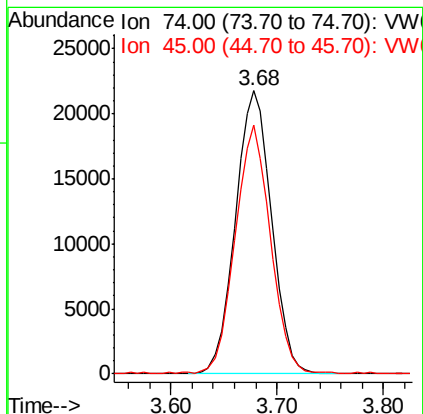
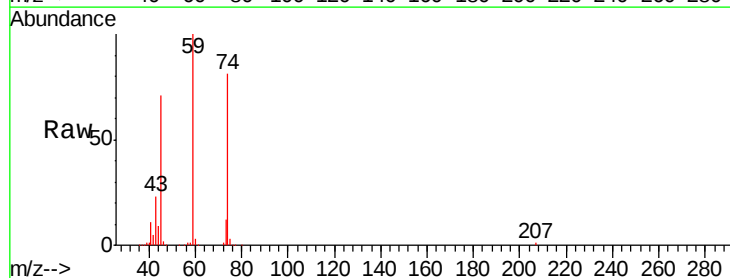
Tgt Ion: 101 Resp: 118482
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.2 76.8

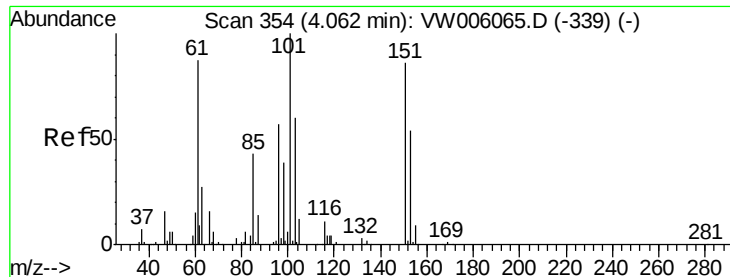


#8

Diethyl Ether
 Concen: 47.68 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

Tgt Ion: 74 Resp: 51824
 Ion Ratio Lower Upper
 74 100
 45 85.2 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.73 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

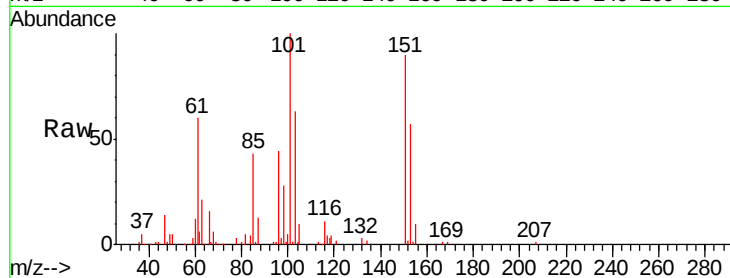
Tgt Ion:101 Resp: 121573

Ion Ratio Lower Upper

101 100

85 43.5 34.9 52.3

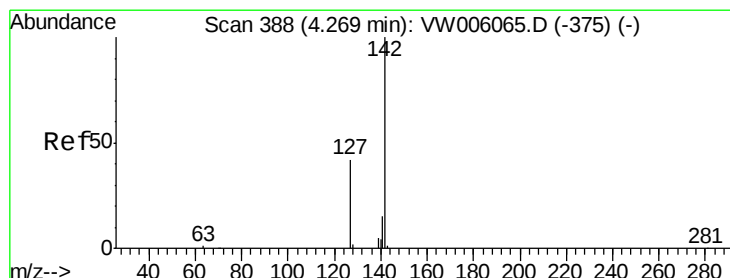
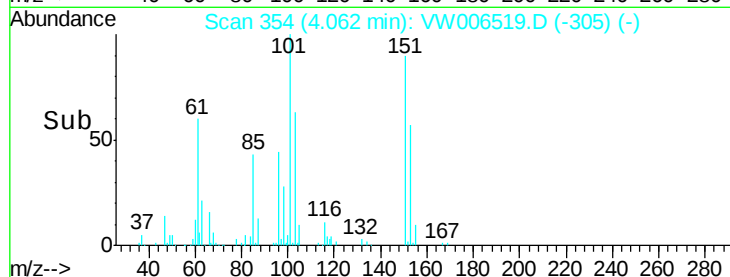
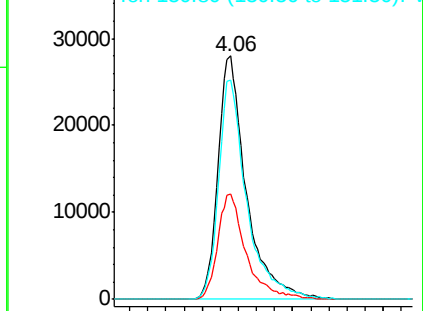
151 89.6 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.04 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

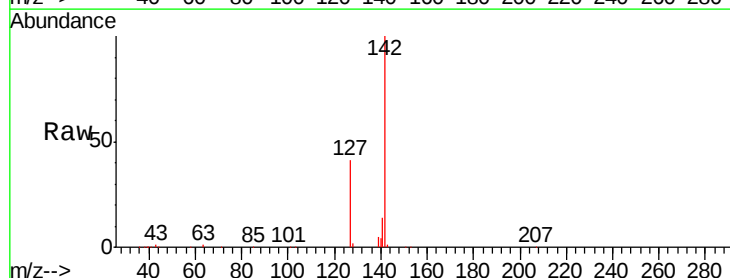
Tgt Ion:142 Resp: 196338

Ion Ratio Lower Upper

142 100

127 41.1 33.6 50.4

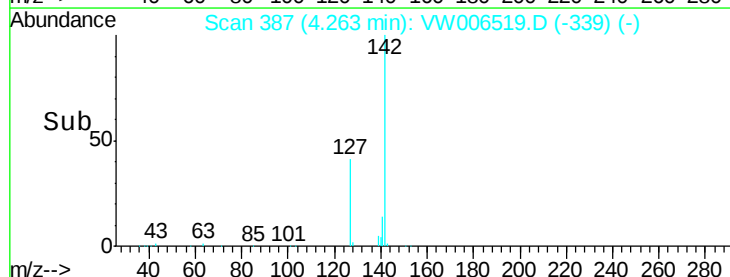
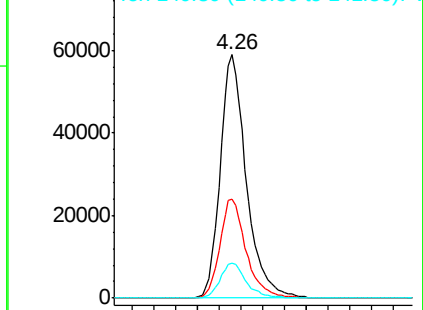
141 14.4 11.6 17.4

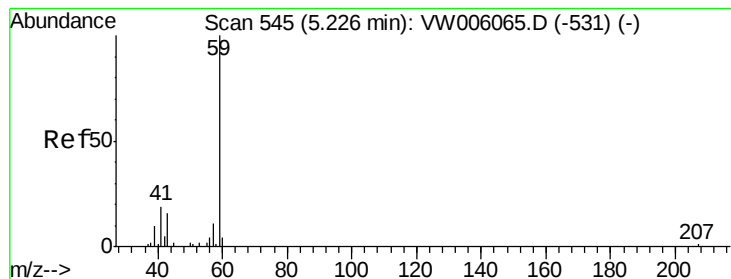


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



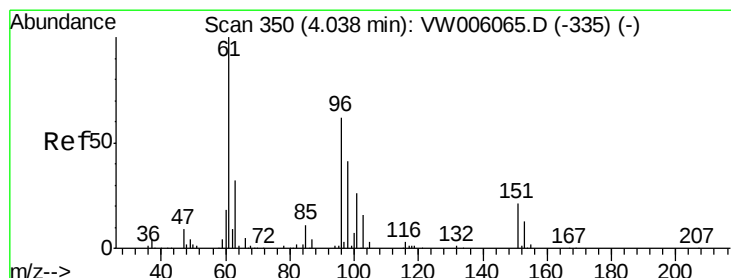
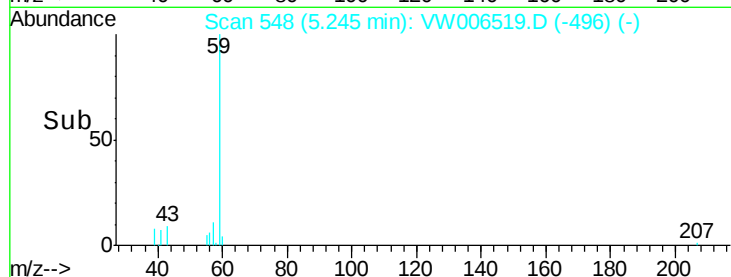
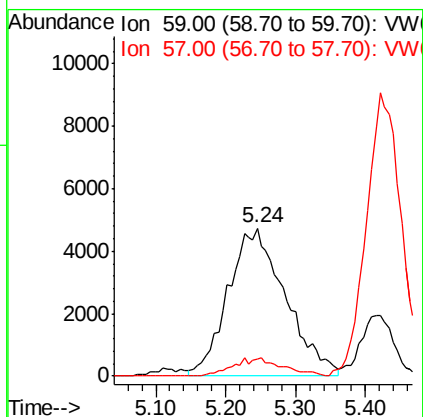
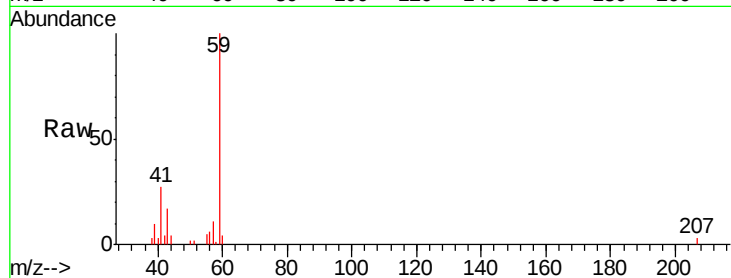


#11

Tert butyl alcohol
Concen: 200.04 ug/l
RT: 5.24 min Scan# 548
Delta R.T. 0.02 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

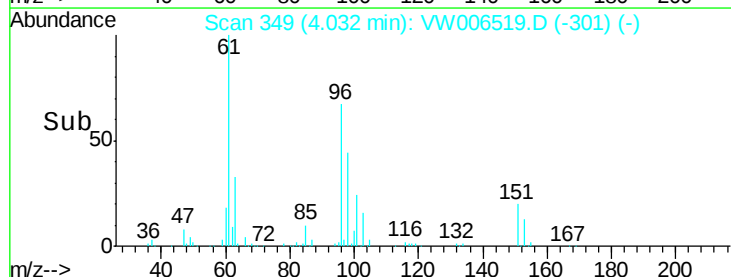
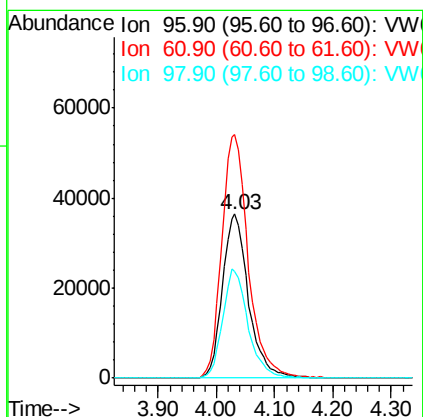
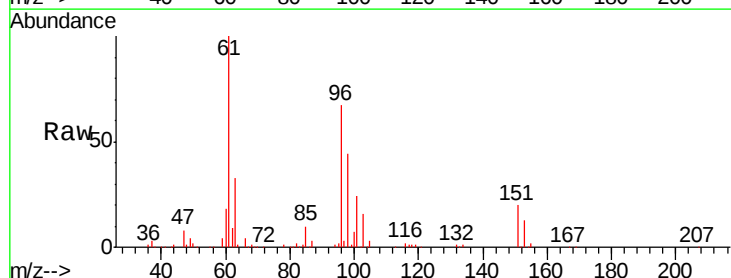
Tgt Ion: 59 Resp: 26915
Ion Ratio Lower Upper
59 100
57 4.0 8.7 13.1#

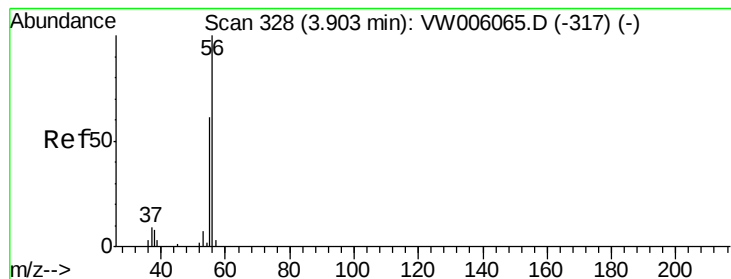


#12

1,1-Dichloroethene
Concen: 56.06 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Tgt Ion: 96 Resp: 113036
Ion Ratio Lower Upper
96 100
61 148.8 129.3 193.9
98 65.1 53.1 79.7





#13

Acrolein

Concen: 242.97 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

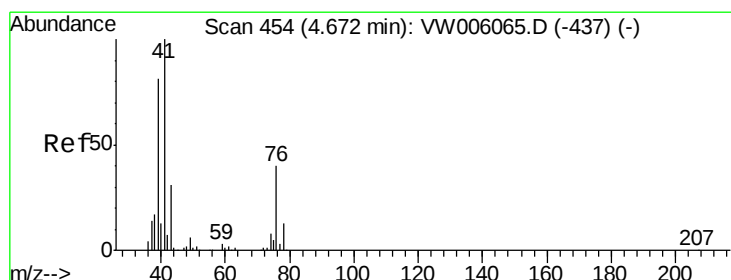
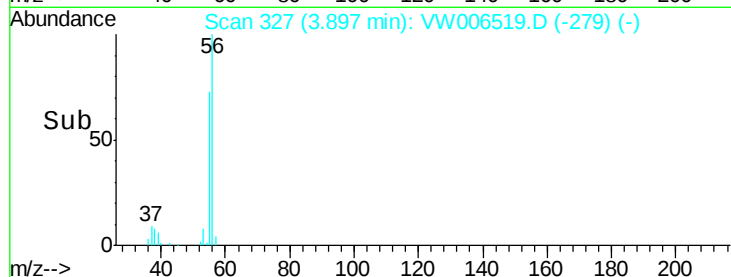
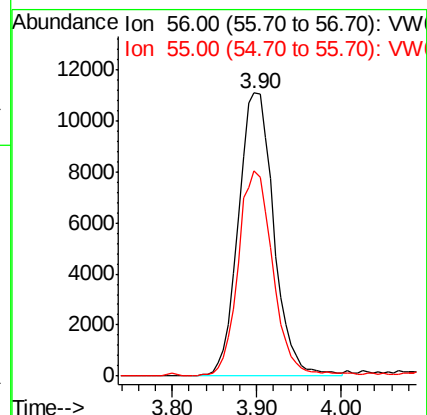
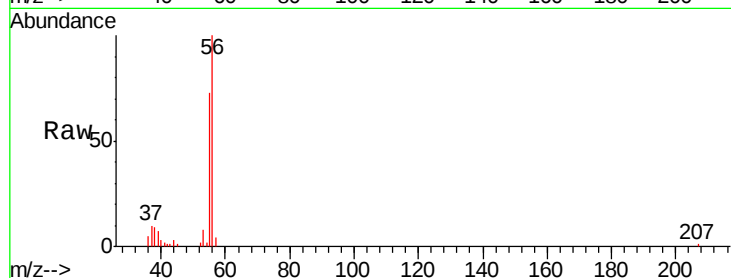
VSTDCCC050

Tgt Ion: 56 Resp: 31633

Ion Ratio Lower Upper

56 100

55 71.1 54.5 81.7



#14

Allyl chloride

Concen: 51.94 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

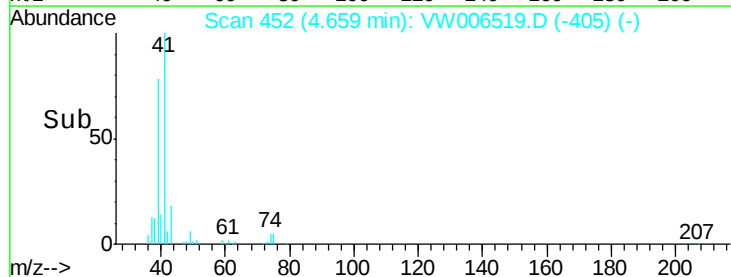
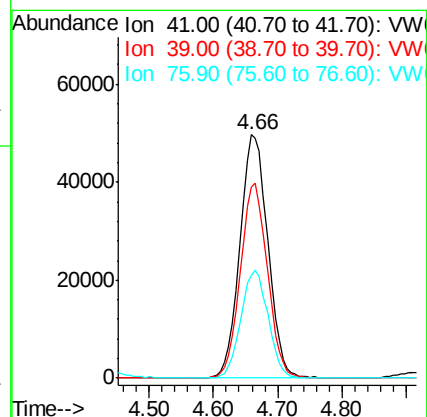
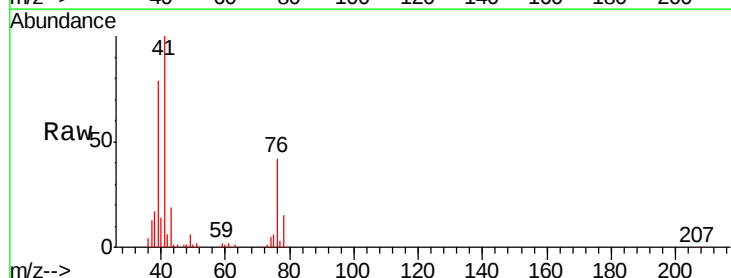
Tgt Ion: 41 Resp: 149751

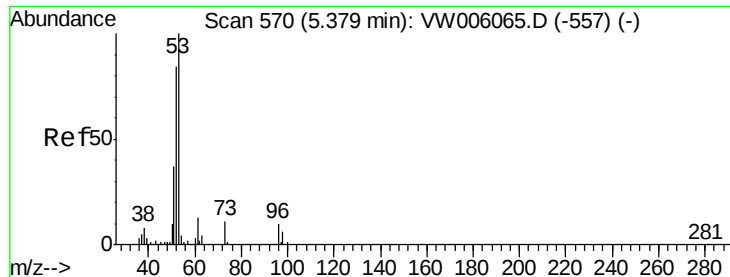
Ion Ratio Lower Upper

41 100

39 77.3 64.1 96.1

76 43.0 32.2 48.4





#15

Acrylonitrile

Concen: 245.05 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

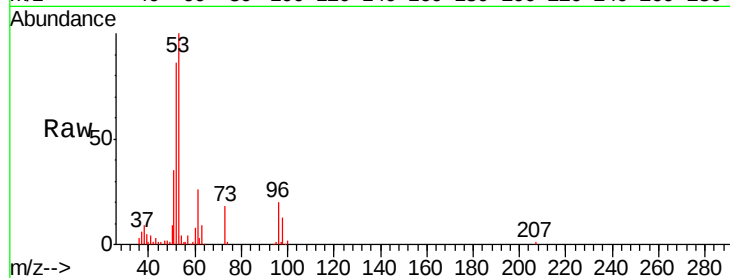
Tgt Ion: 53 Resp: 95525

Ion Ratio Lower Upper

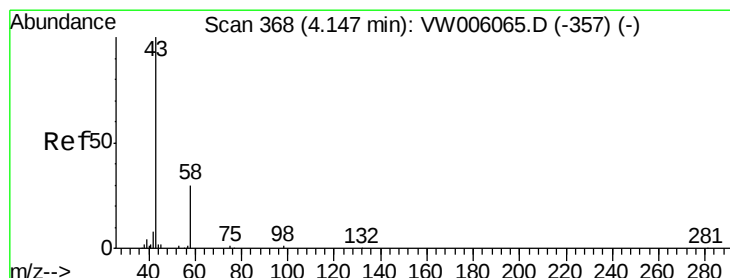
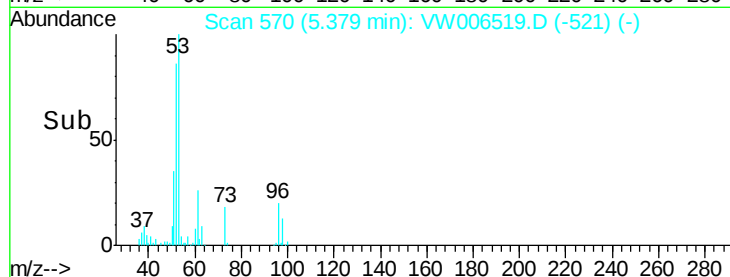
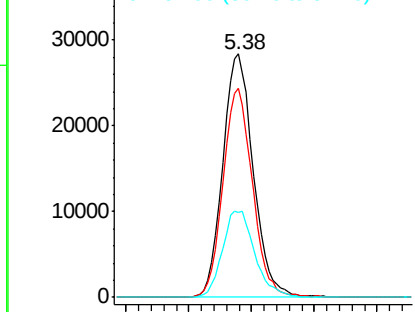
53 100

52 82.9 66.9 100.3

51 37.7 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 288.23 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006519.D

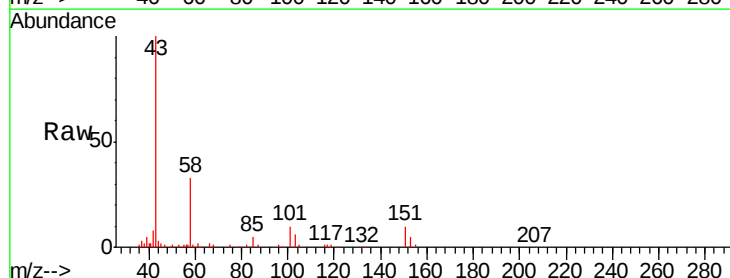
Acq: 31 Oct 2018 11:51

Tgt Ion: 43 Resp: 107332

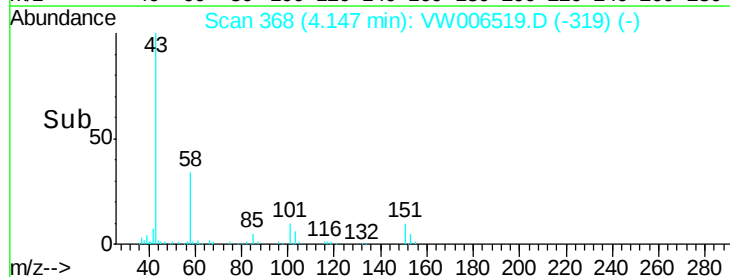
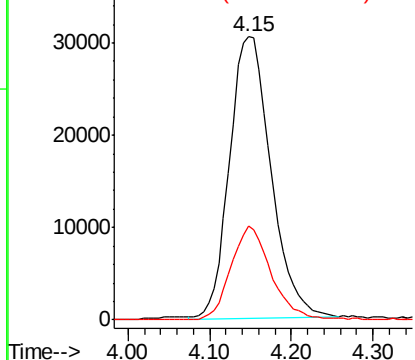
Ion Ratio Lower Upper

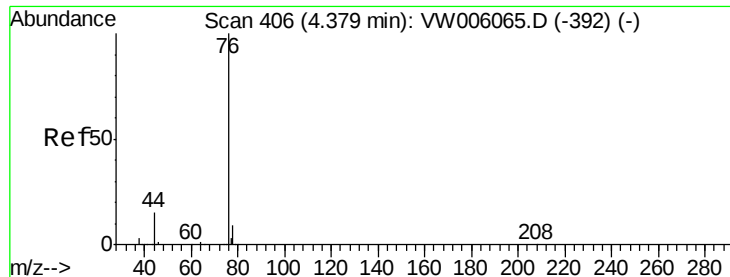
43 100

58 33.5 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

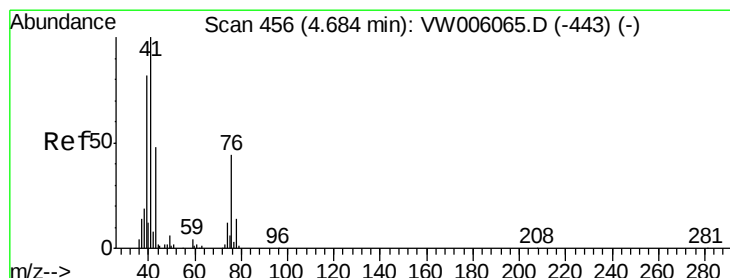
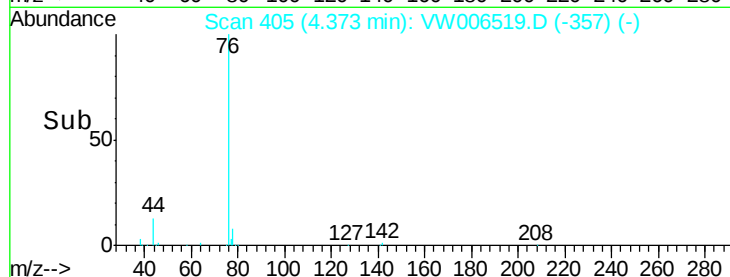
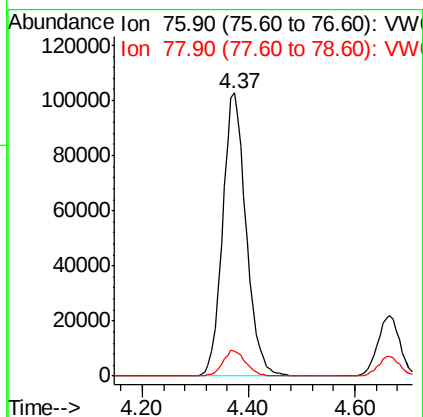
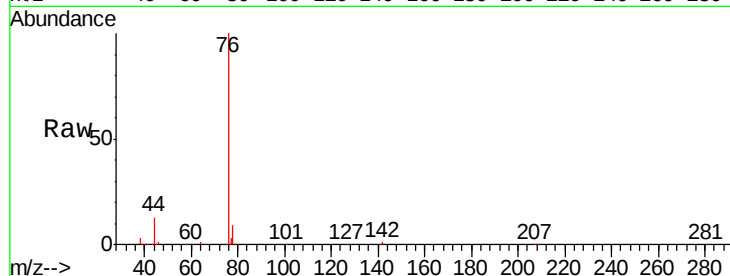




#17
Carbon Disulfide
Concen: 51.91 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

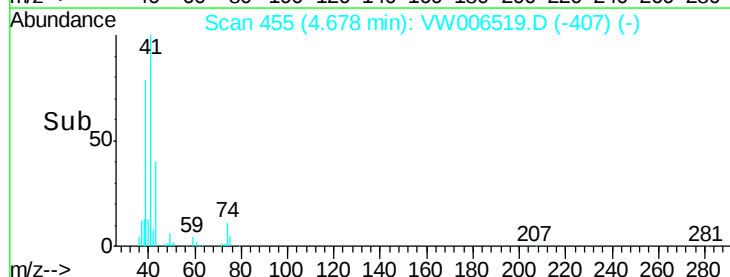
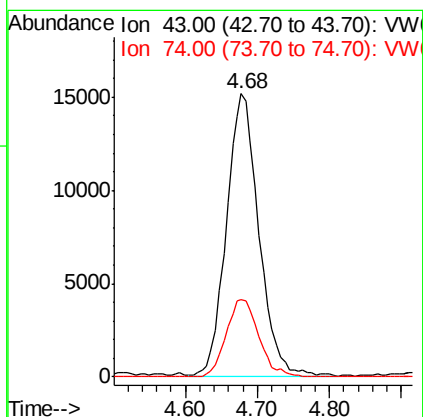
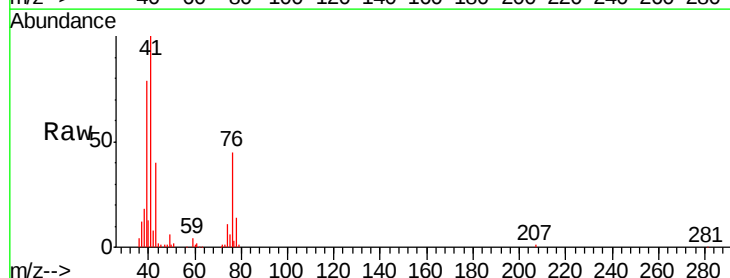
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

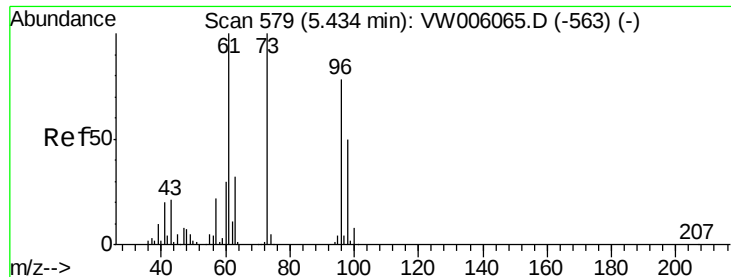
Tgt Ion: 76 Resp: 315869
Ion Ratio Lower Upper
76 100
78 8.6 7.5 11.3



#18
Methyl Acetate
Concen: 47.48 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Tgt Ion: 43 Resp: 47802
Ion Ratio Lower Upper
43 100
74 27.2 20.5 30.7

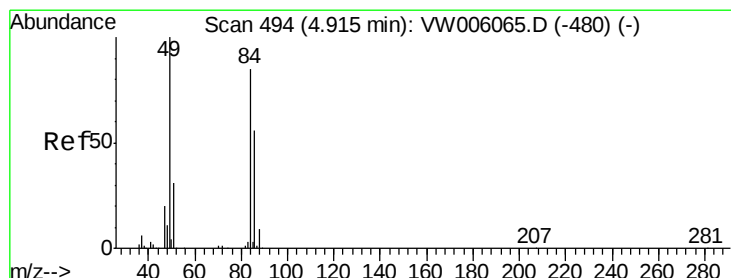
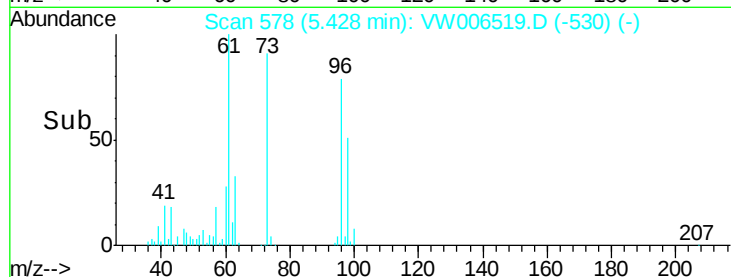
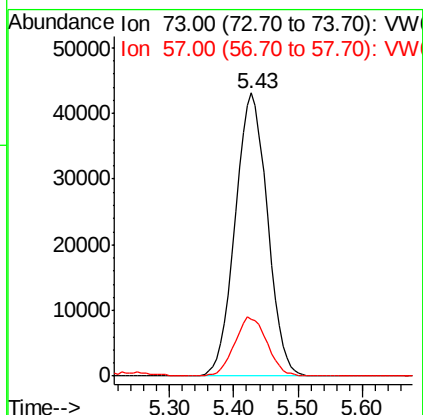
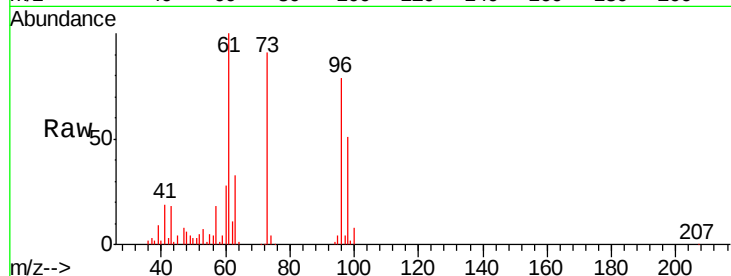




#19
Methyl tert-butyl Ether
Concen: 48.63 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

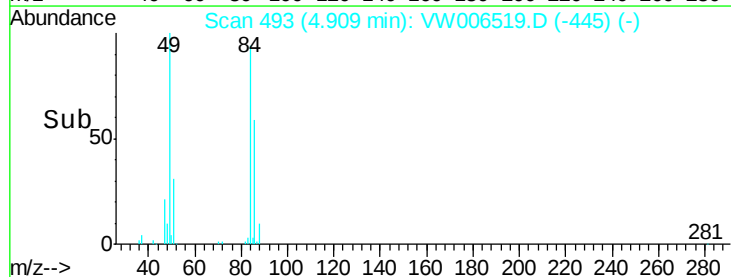
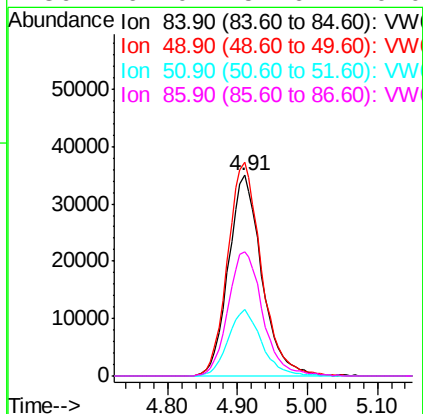
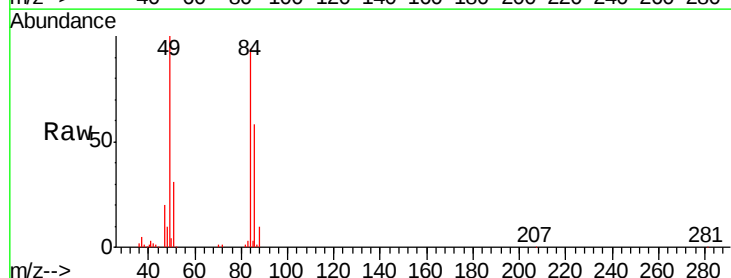
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

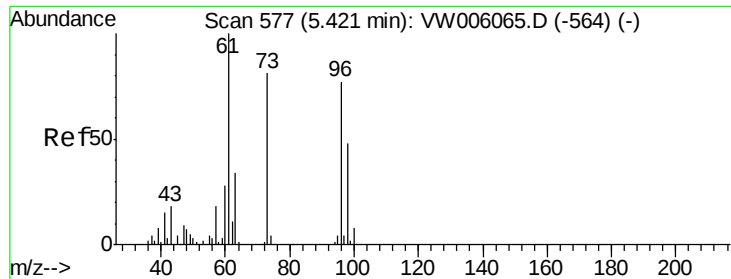
Tgt Ion: 73 Resp: 149332
Ion Ratio Lower Upper
73 100
57 20.0 17.4 26.2



#20
Methylene Chloride
Concen: 54.96 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Tgt Ion: 84 Resp: 115995
Ion Ratio Lower Upper
84 100
49 106.4 93.6 140.4
51 33.0 29.0 43.4
86 62.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 56.67 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

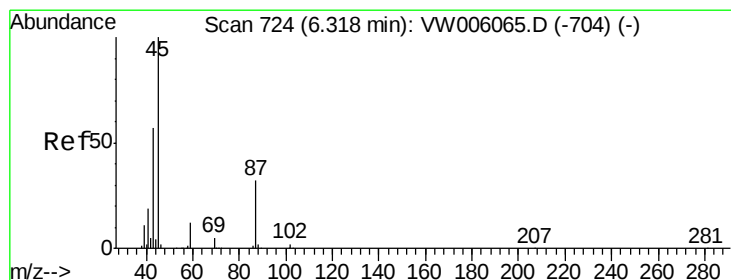
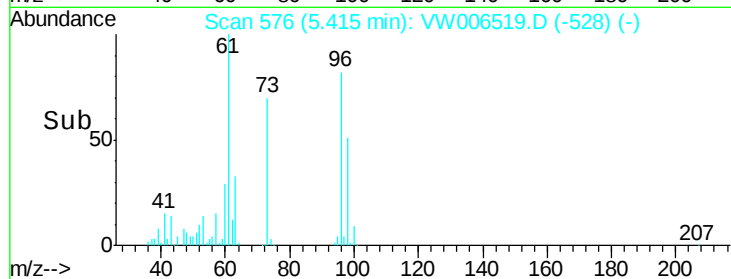
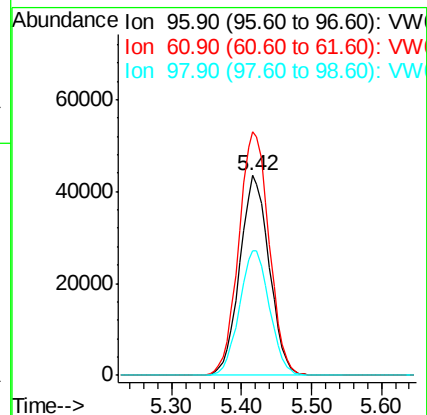
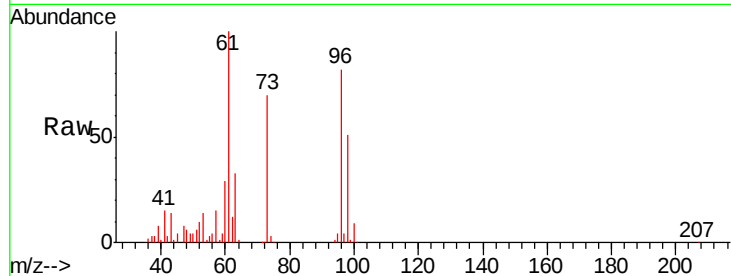
Tgt Ion: 96 Resp: 127543

Ion Ratio Lower Upper

96 100

61 121.7 104.5 156.7

98 62.3 50.6 75.8



#22

Diisopropyl ether

Concen: 52.07 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Tgt Ion: 45 Resp: 296644

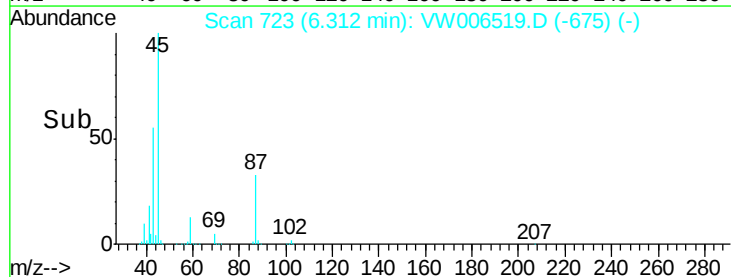
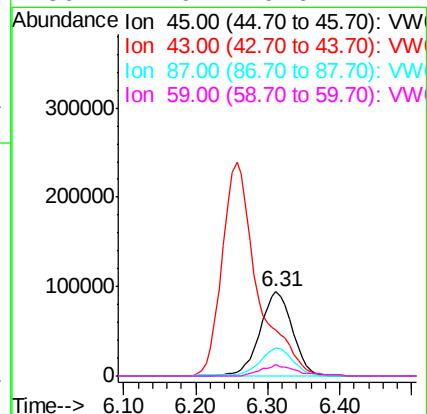
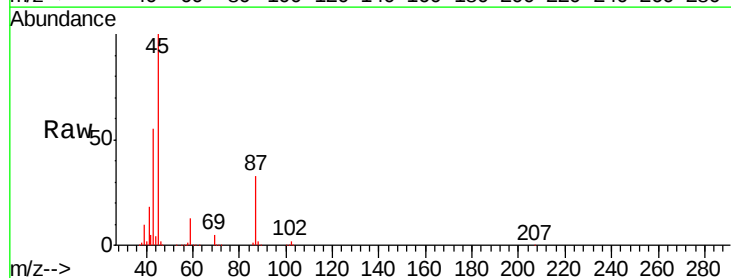
Ion Ratio Lower Upper

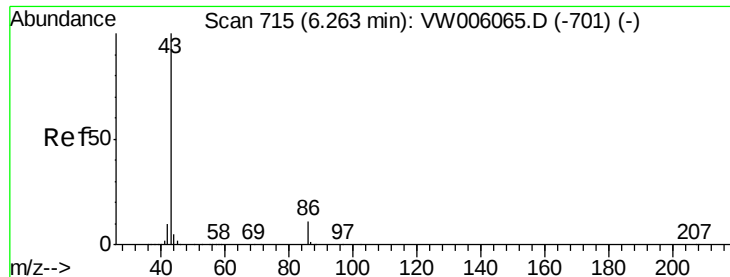
45 100

43 54.5 45.7 68.5

87 33.2 25.9 38.9

59 12.9 9.6 14.4





#23

Vinyl Acetate

Concen: 242.04 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

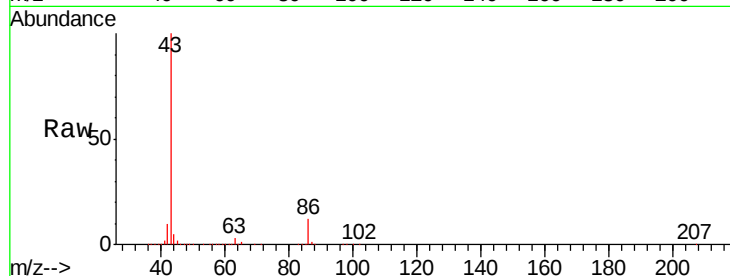
VSTDCCC050

Tgt Ion: 43 Resp: 813767

Ion Ratio Lower Upper

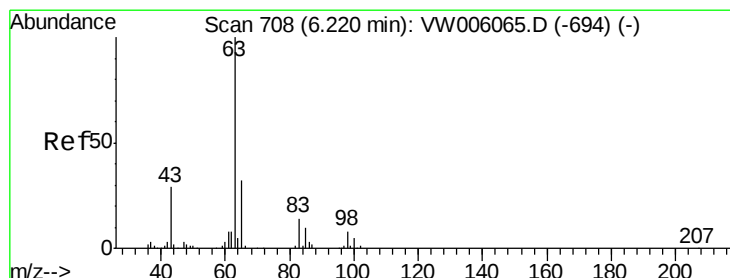
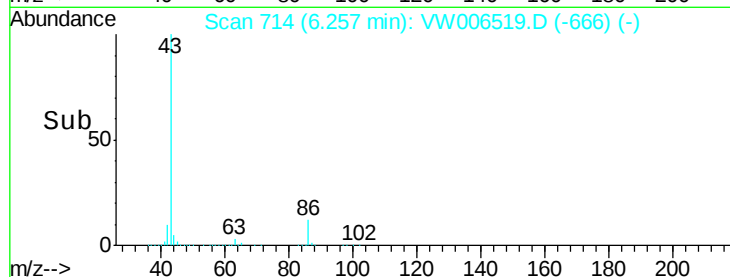
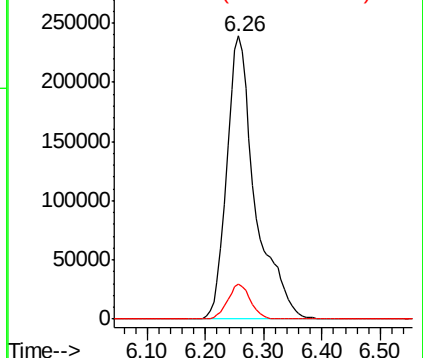
43 100

86 12.3 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: 56.05 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

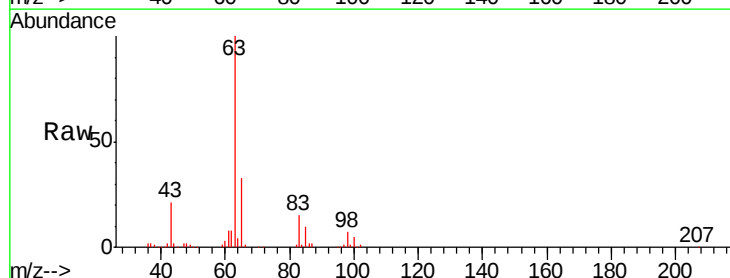
Tgt Ion: 63 Resp: 206036

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

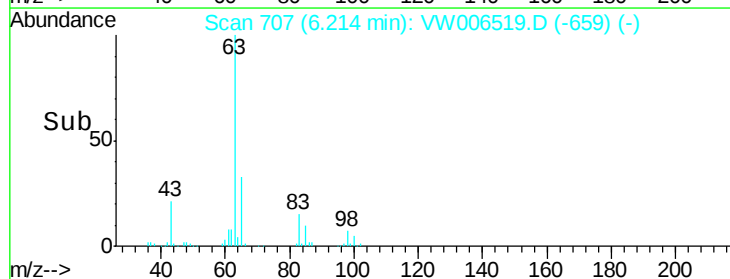
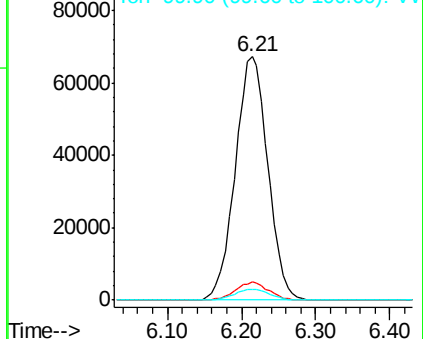
100 4.6 2.5 7.5

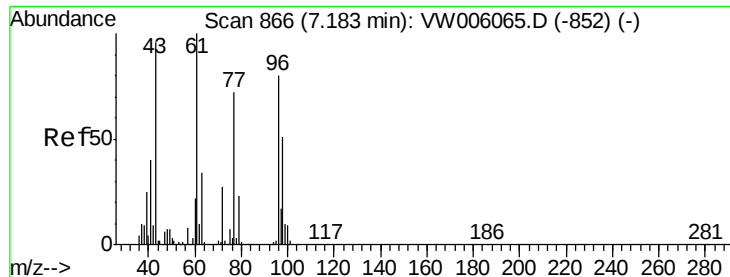


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 240.57 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

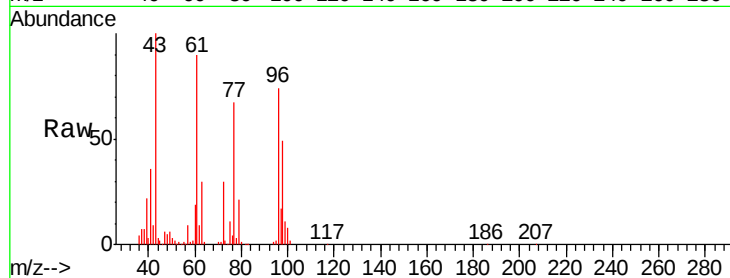
VSTDCCC050

Tgt Ion: 43 Resp: 130018

Ion Ratio Lower Upper

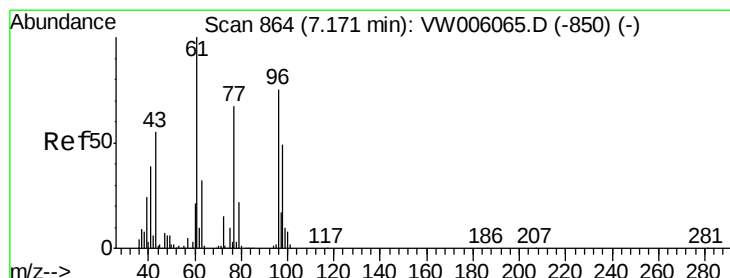
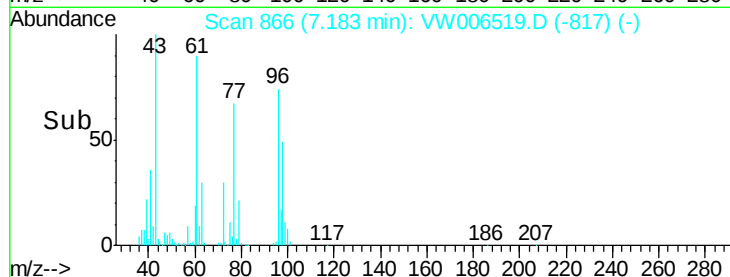
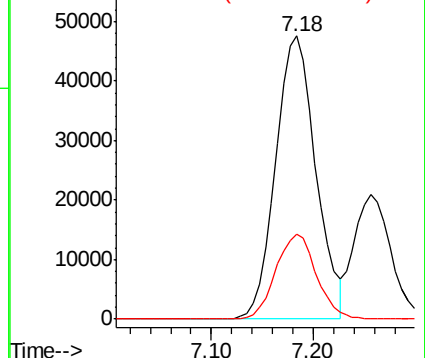
43 100

72 29.9 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 54.26 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006519.D

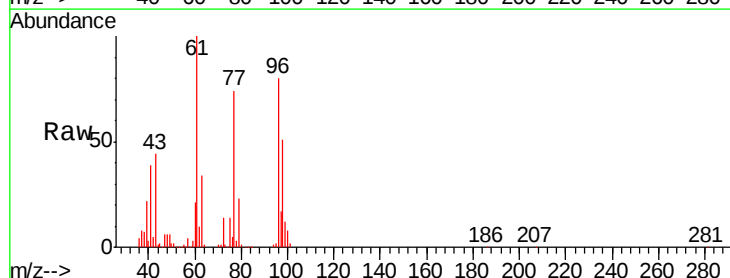
Acq: 31 Oct 2018 11:51

Tgt Ion: 77 Resp: 140688

Ion Ratio Lower Upper

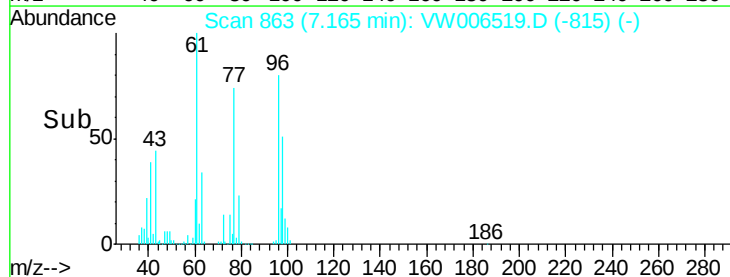
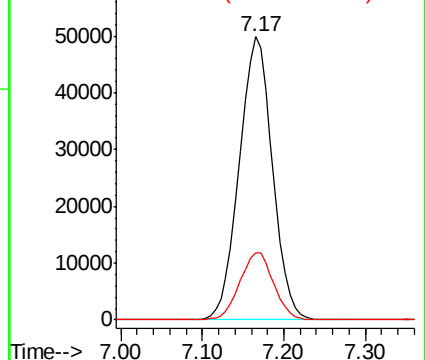
77 100

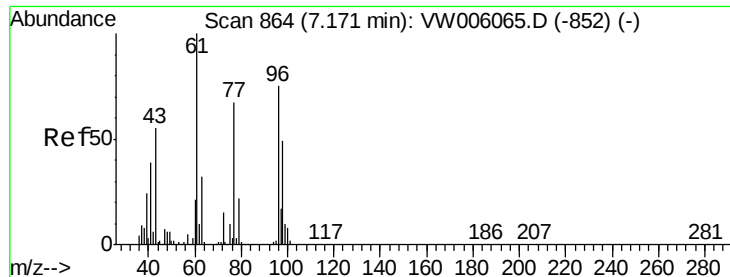
97 24.3 12.2 36.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

cis-1,2-Dichloroethene

Concen: 56.20 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

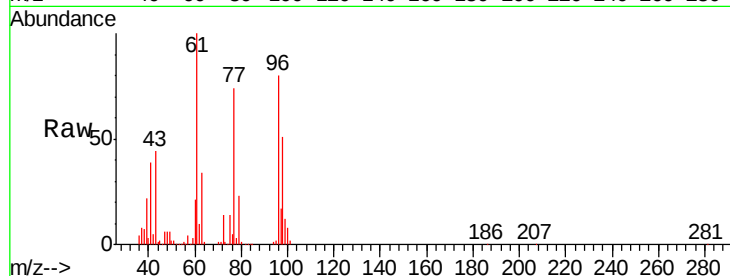
Tgt Ion: 96 Resp: 139567

Ion Ratio Lower Upper

96 100

61 129.8 0.0 267.2

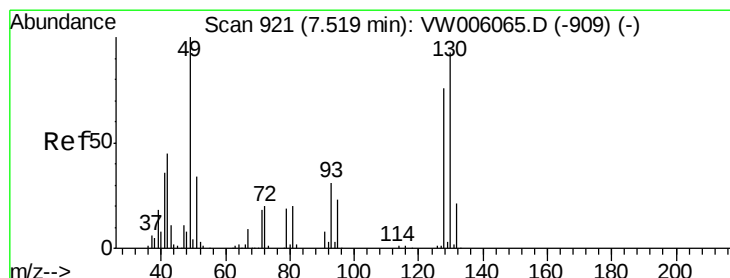
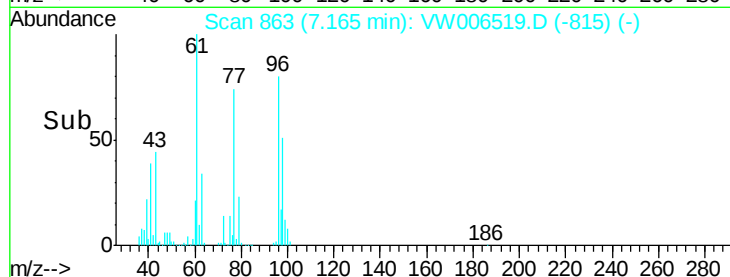
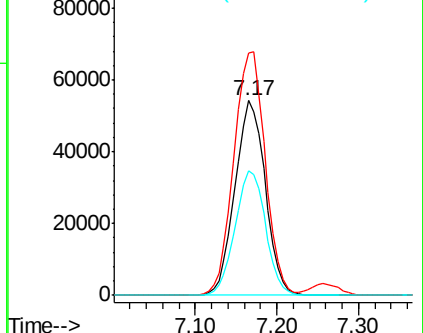
98 64.6 0.0 128.6



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: 52.96 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

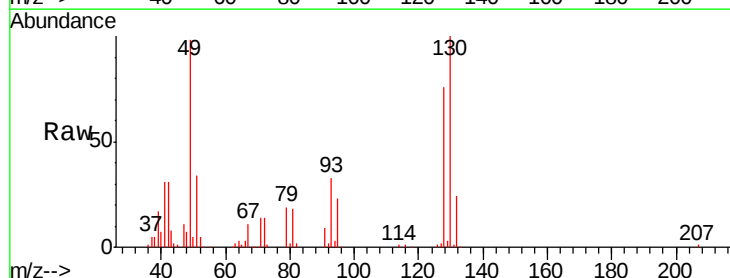
Tgt Ion: 49 Resp: 75156

Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.0

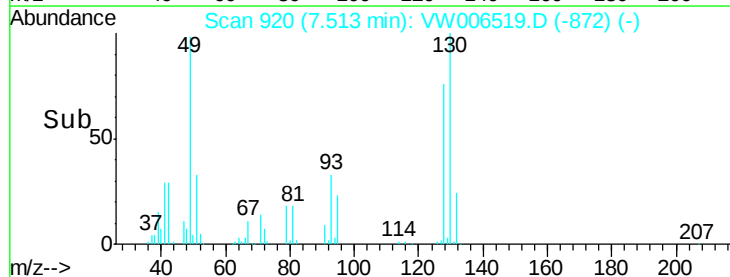
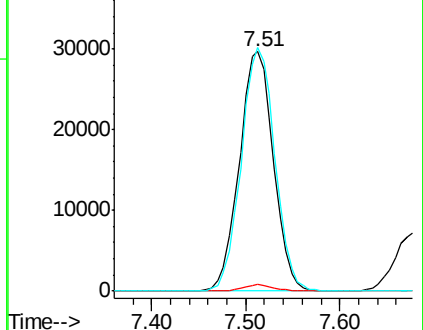
130 100.5 73.8 110.8

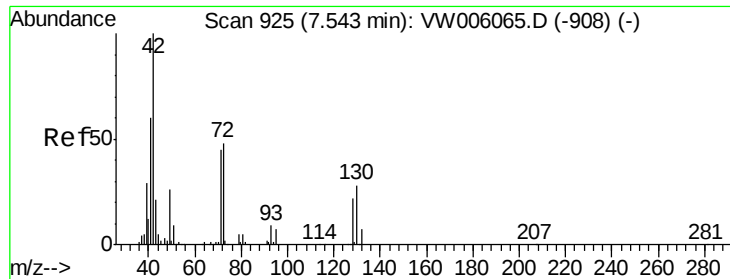


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 223.06 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

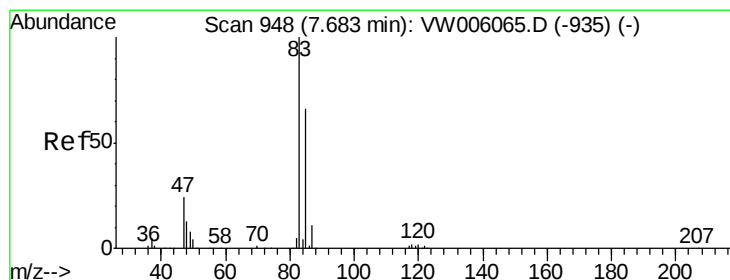
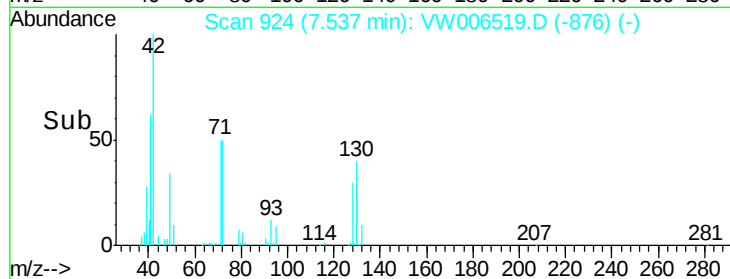
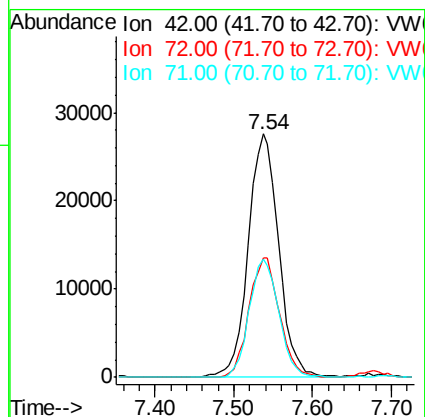
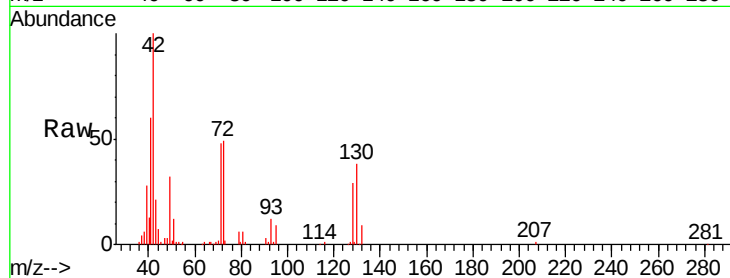
Tgt Ion: 42 Resp: 74102

Ion Ratio Lower Upper

42 100

72 49.3 38.0 57.0

71 47.2 35.3 52.9



#30

Chloroform

Concen: 55.97 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006519.D

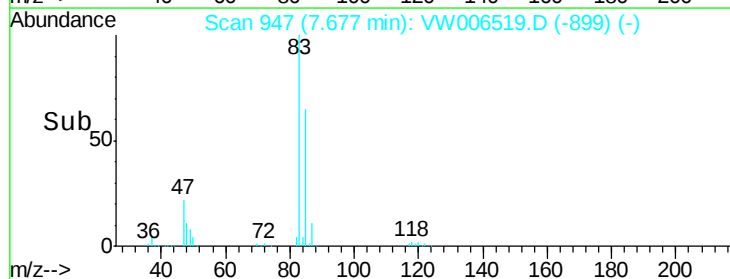
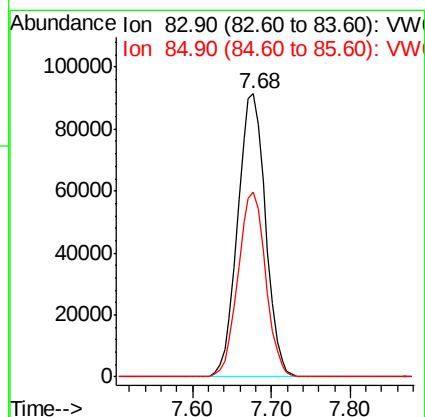
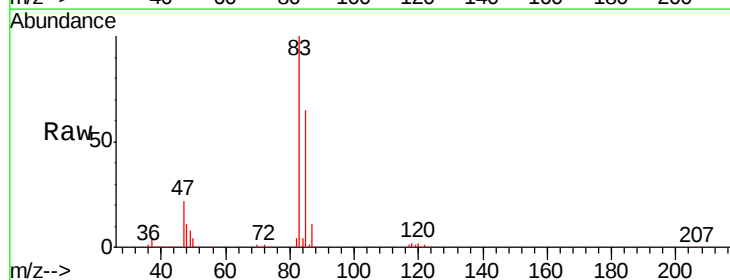
Acq: 31 Oct 2018 11:51

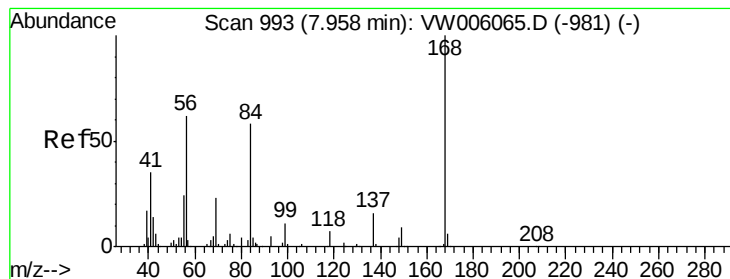
Tgt Ion: 83 Resp: 224183

Ion Ratio Lower Upper

83 100

85 65.2 52.6 79.0





#31

Cyclohexane

Concen: 50.63 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

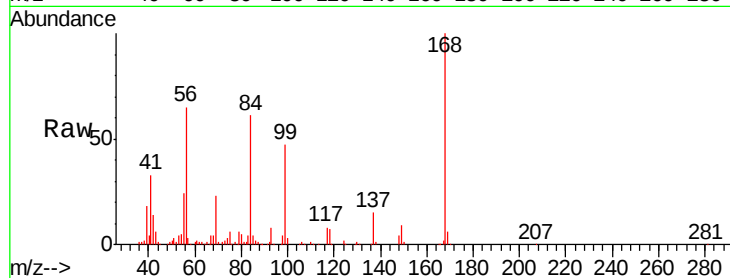
Tgt Ion: 56 Resp: 185355

Ion Ratio Lower Upper

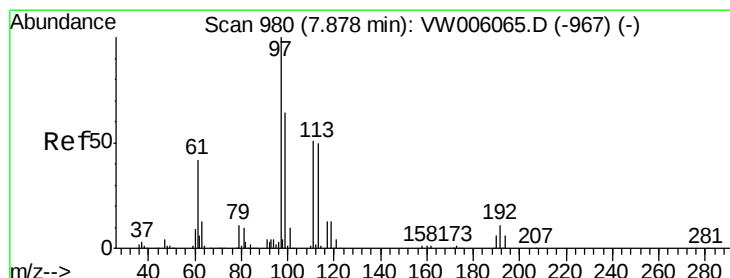
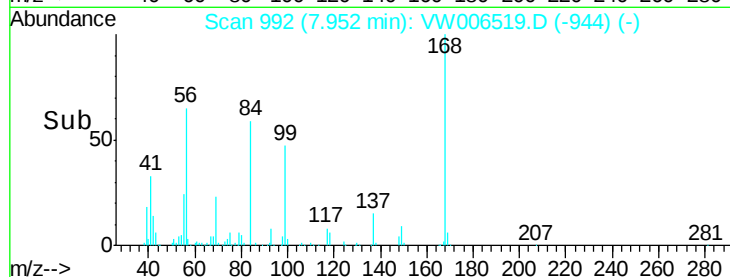
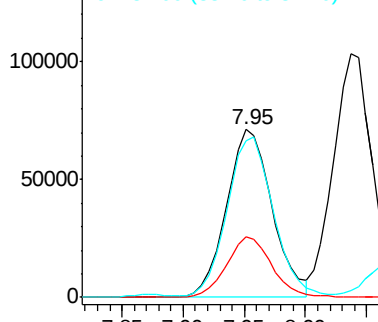
56 100

69 36.0 29.4 44.0

84 91.8 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: 55.30 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

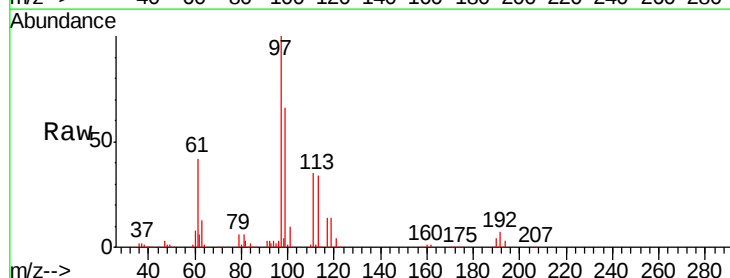
Tgt Ion: 97 Resp: 199787

Ion Ratio Lower Upper

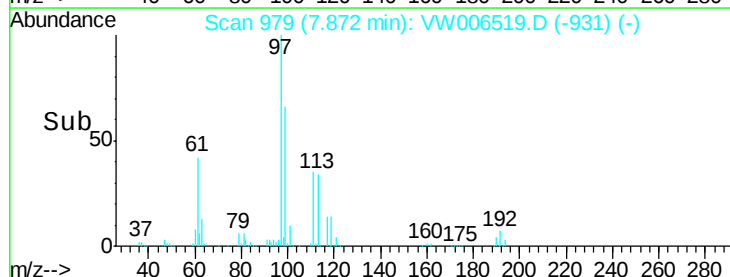
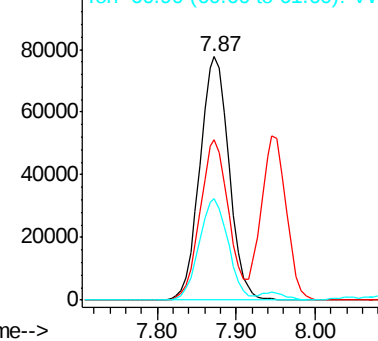
97 100

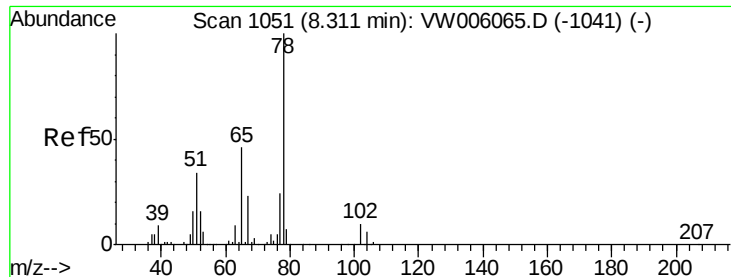
99 64.1 50.9 76.3

61 41.5 33.7 50.5



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

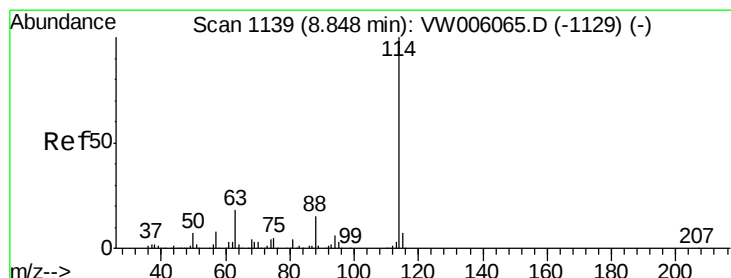
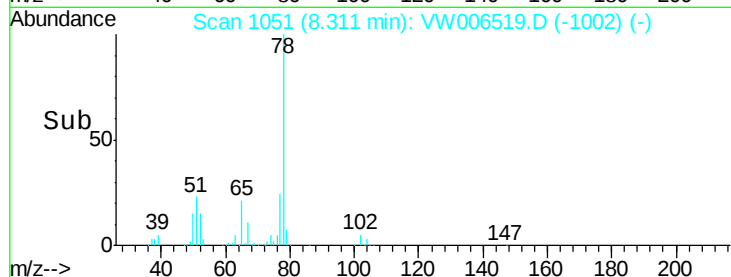
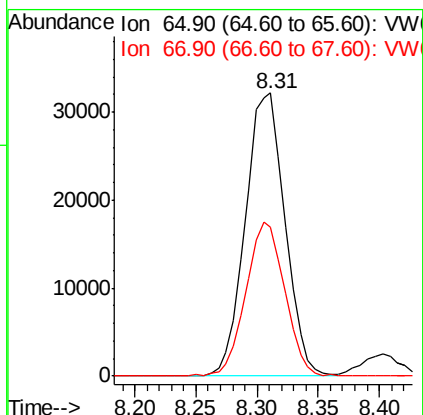
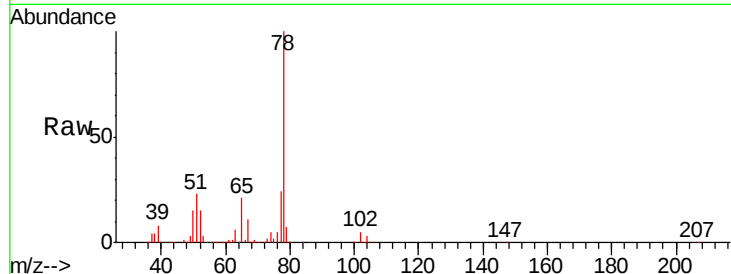




#33
 1,2-Dichloroethane-d4
 Concen: 36.32 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

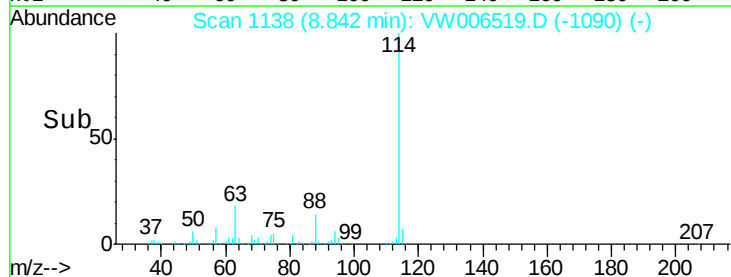
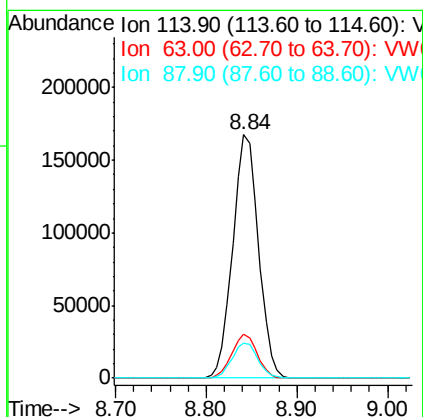
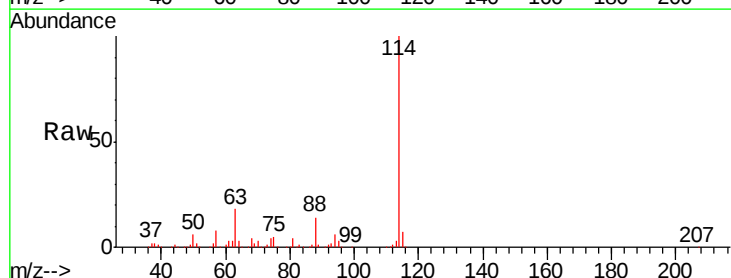
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

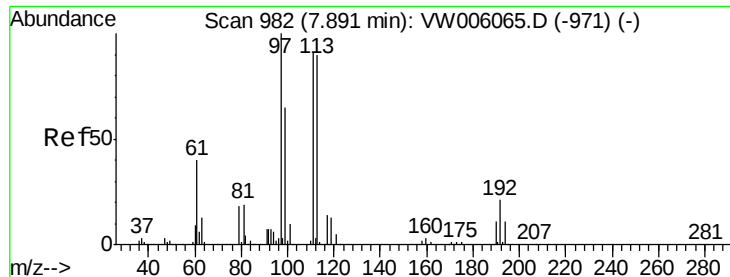
Tgt Ion: 65 Resp: 72654
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

Tgt Ion: 114 Resp: 330169
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.8
 88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 41.78 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

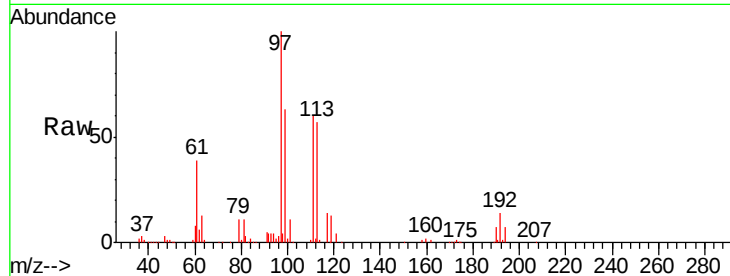
Tgt Ion:113 Resp: 81510

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

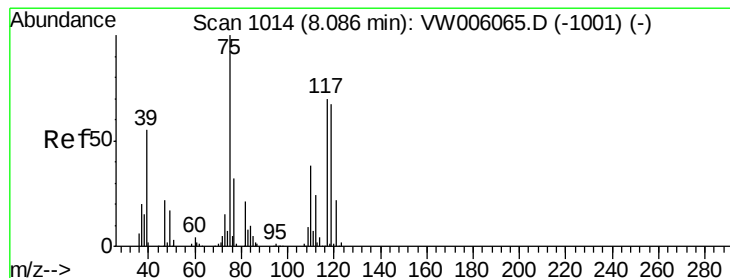
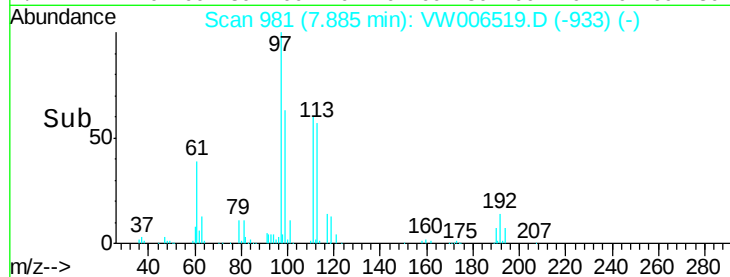
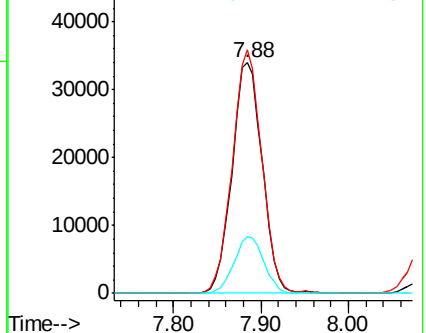
192 24.2 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 58.71 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

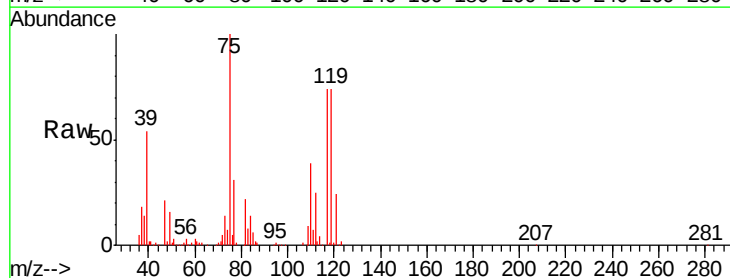
Tgt Ion: 75 Resp: 178677

Ion Ratio Lower Upper

75 100

110 39.2 19.1 57.1

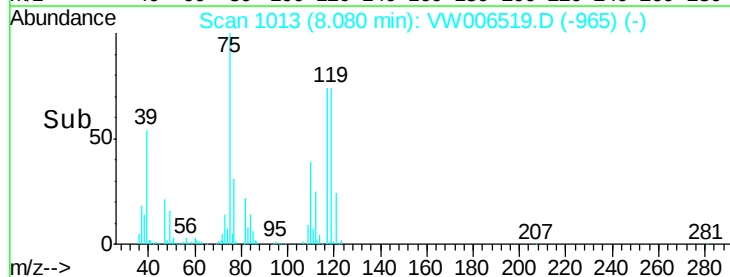
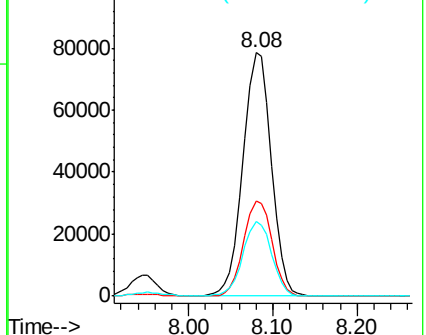
77 31.1 25.0 37.4

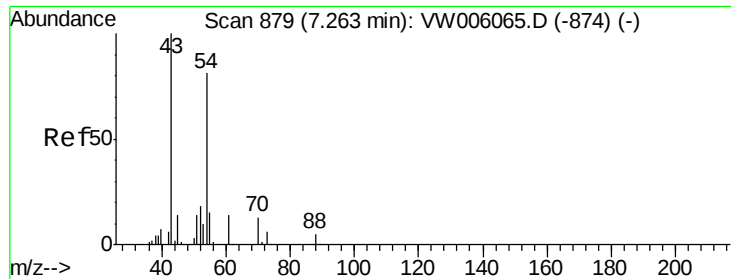


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

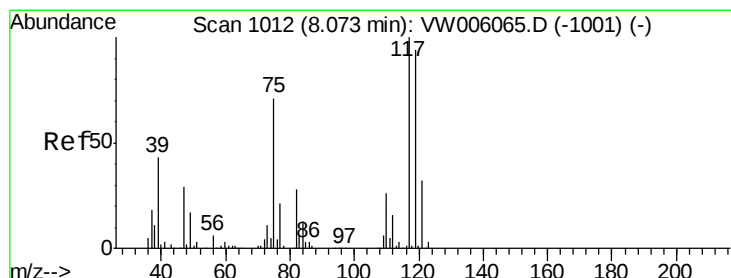
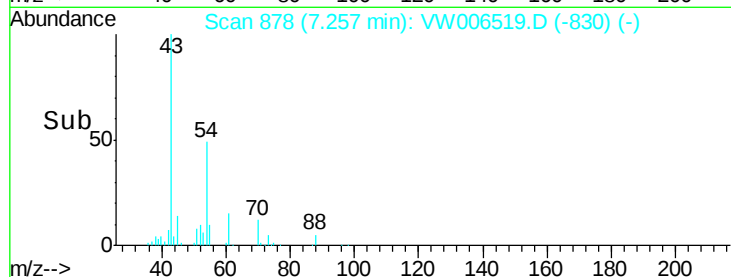
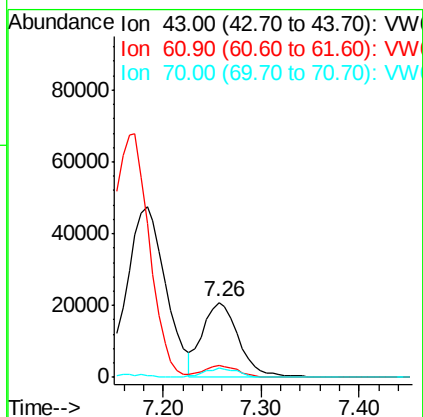
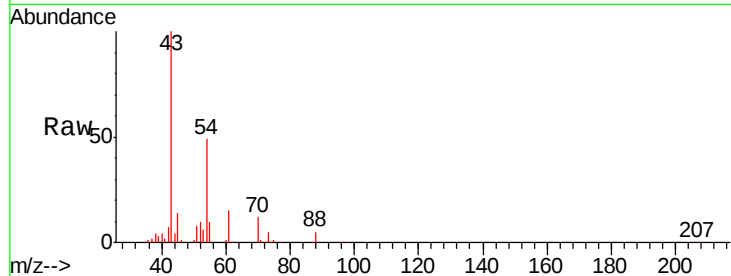




#37
Ethyl Acetate
Concen: 47.20 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

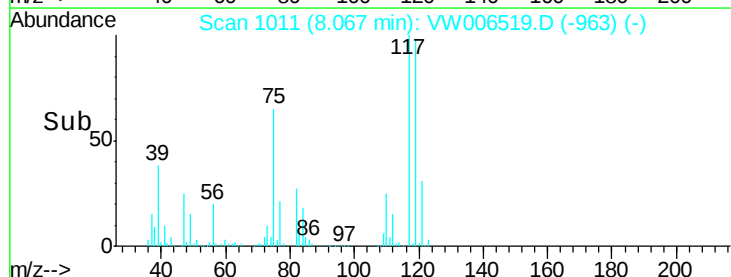
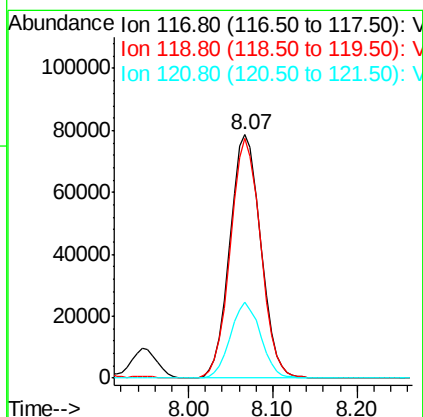
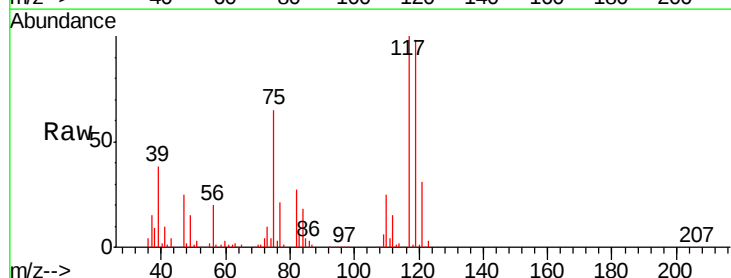
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

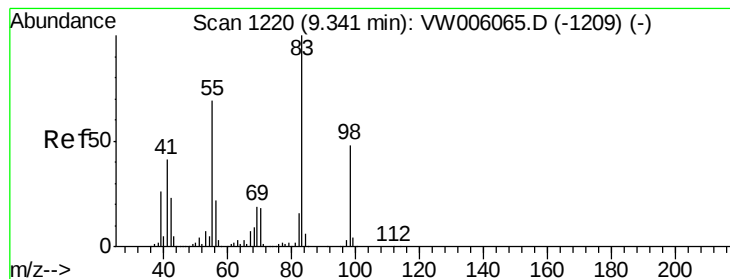
Tgt Ion: 43 Resp: 53368
Ion Ratio Lower Upper
43 100
61 15.1 11.5 17.3
70 11.5 9.2 13.8



#38
Carbon Tetrachloride
Concen: 58.65 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Tgt Ion: 117 Resp: 195661
Ion Ratio Lower Upper
117 100
119 98.3 75.2 112.8
121 31.0 25.3 37.9





#39

Methylcyclohexane

Concen: 57.67 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

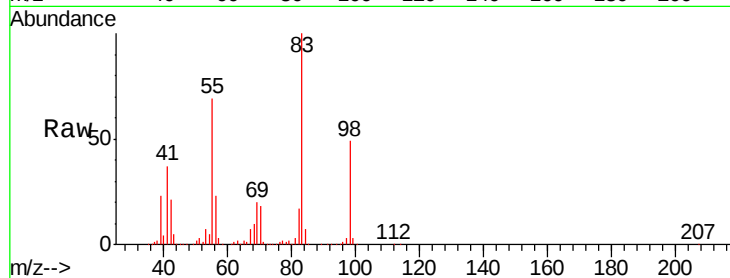
Tgt Ion: 83 Resp: 233284

Ion Ratio Lower Upper

83 100

55 68.7 55.0 82.6

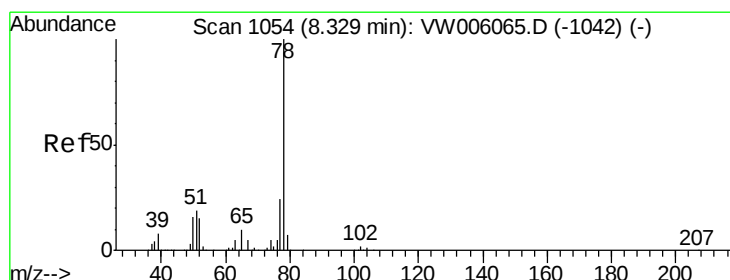
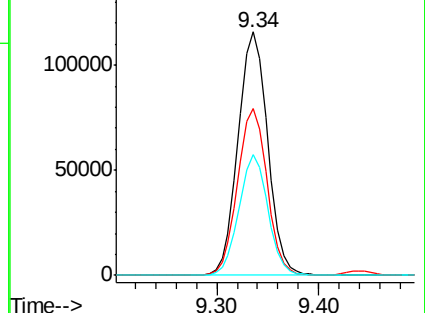
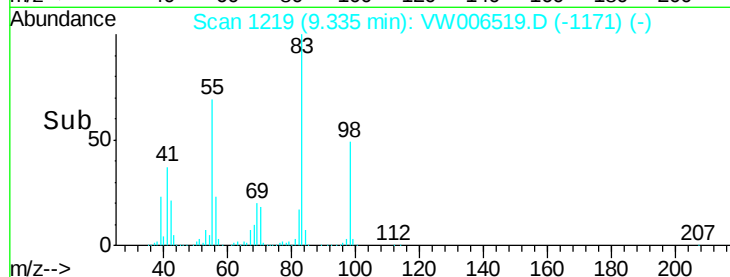
98 49.4 38.6 57.8



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: 59.19 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW006519.D

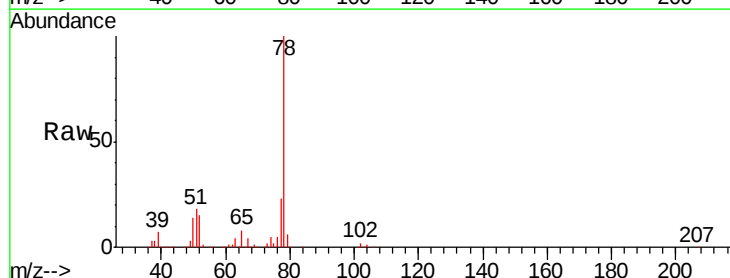
Acq: 31 Oct 2018 11:51

Tgt Ion: 78 Resp: 494073

Ion Ratio Lower Upper

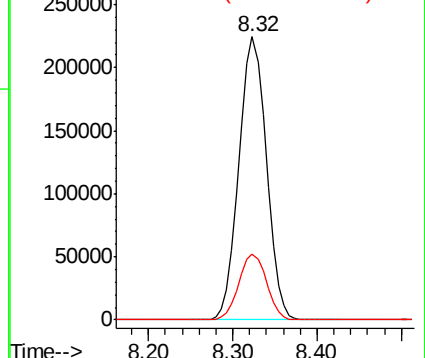
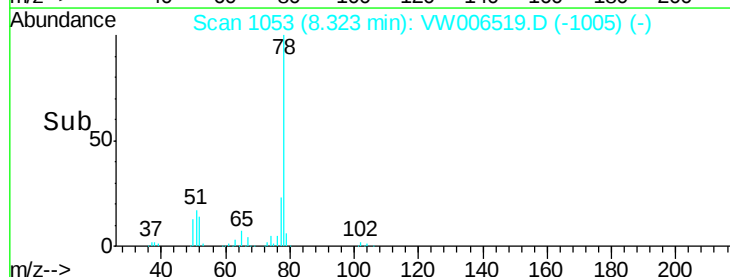
78 100

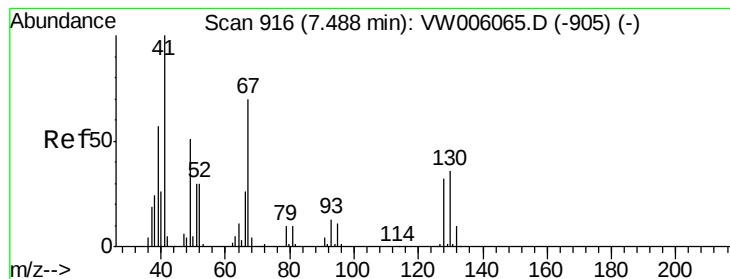
77 23.4 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 45.99 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 31350

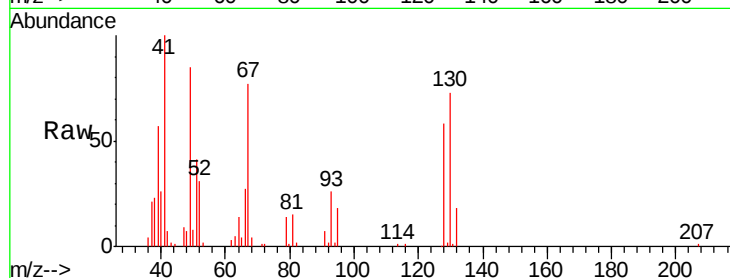
Ion Ratio Lower Upper

41 100

39 56.9 46.2 69.4

67 82.8 57.7 86.5

52 34.1 24.7 37.1

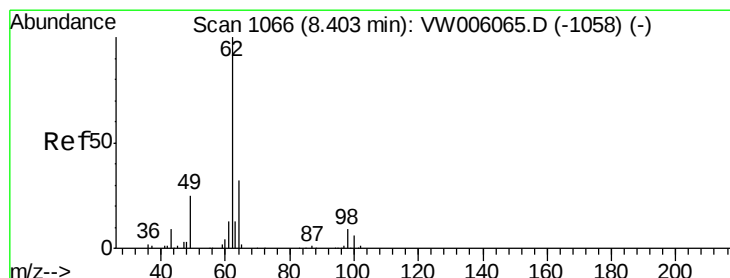
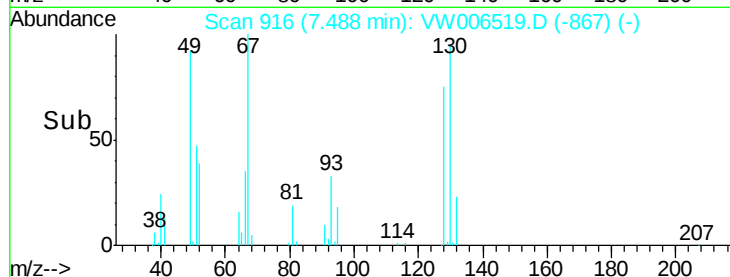
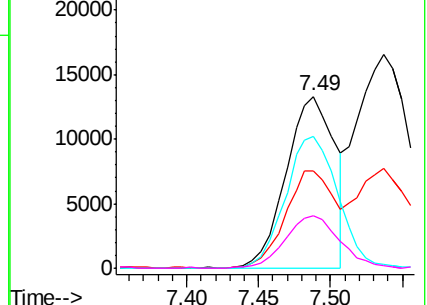


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 54.10 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006519.D

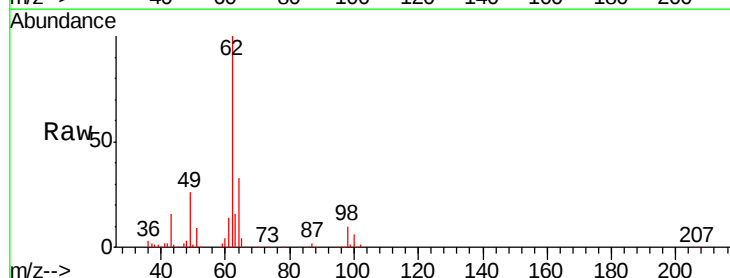
Acq: 31 Oct 2018 11:51

Tgt Ion: 62 Resp: 132676

Ion Ratio Lower Upper

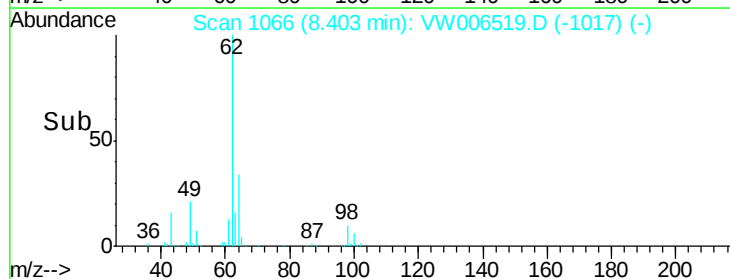
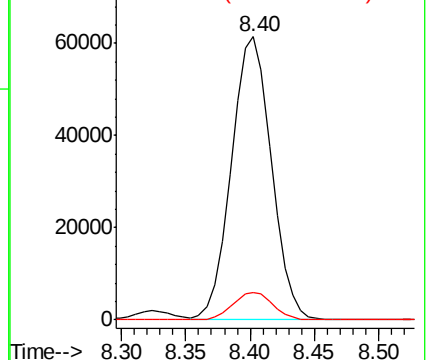
62 100

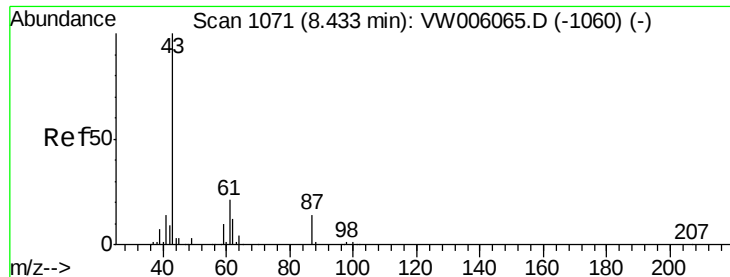
98 9.8 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 46.73 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

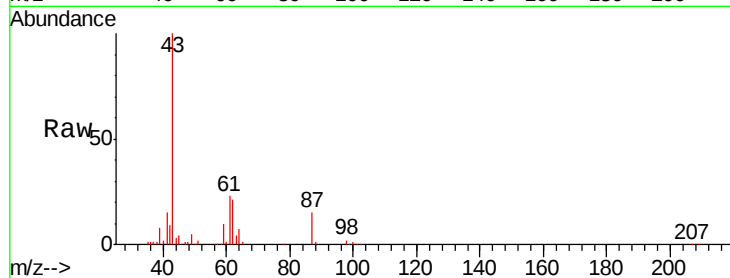
Tgt Ion: 43 Resp: 108043

Ion Ratio Lower Upper

43 100

61 33.8 25.5 38.3

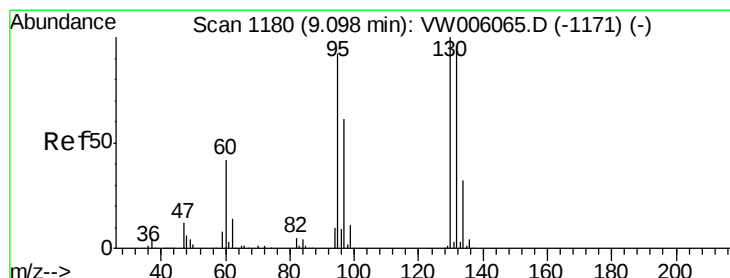
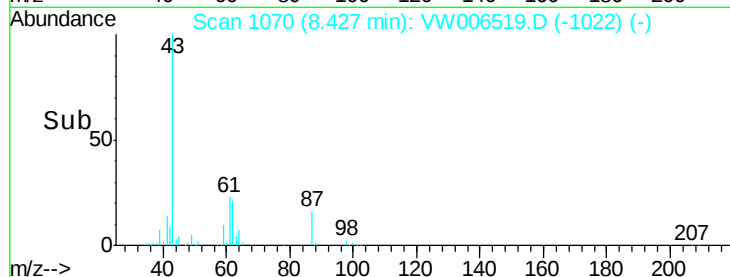
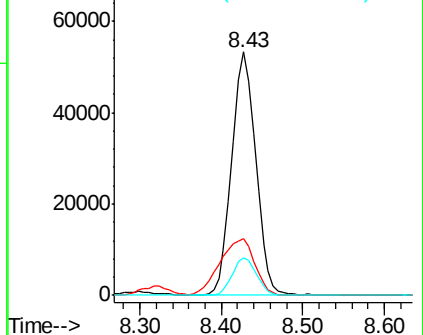
87 15.6 11.7 17.5



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: 59.53 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006519.D

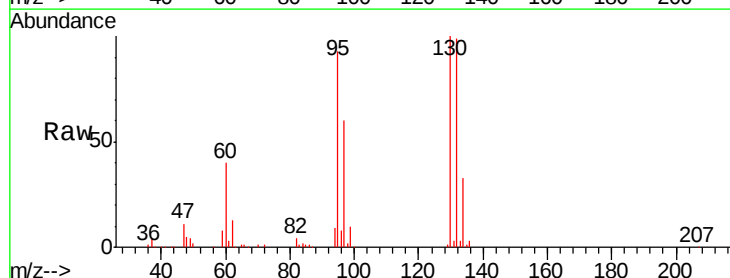
Acq: 31 Oct 2018 11:51

Tgt Ion: 130 Resp: 152460

Ion Ratio Lower Upper

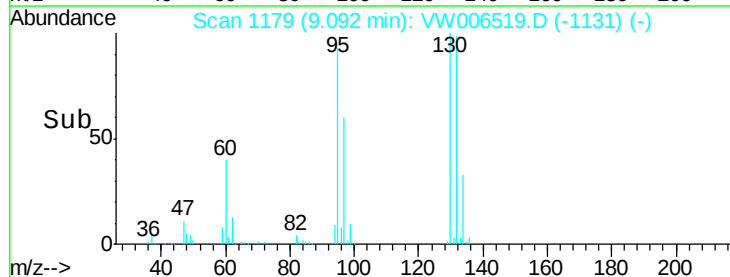
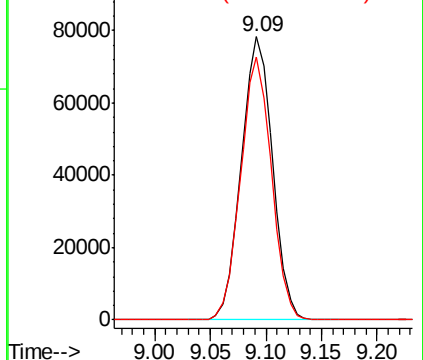
130 100

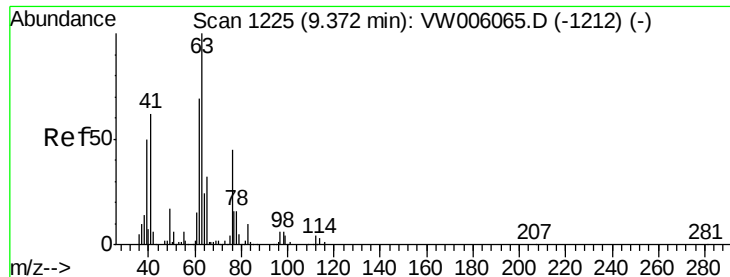
95 92.7 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

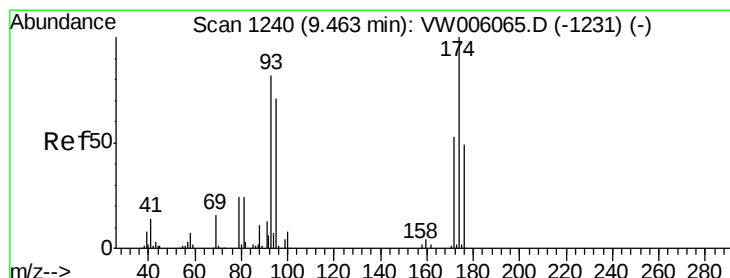
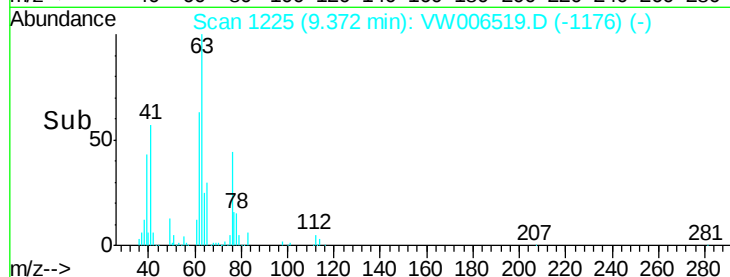
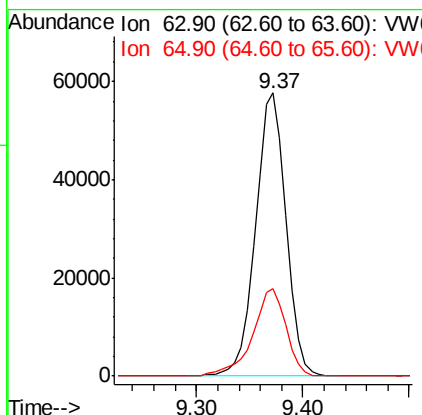
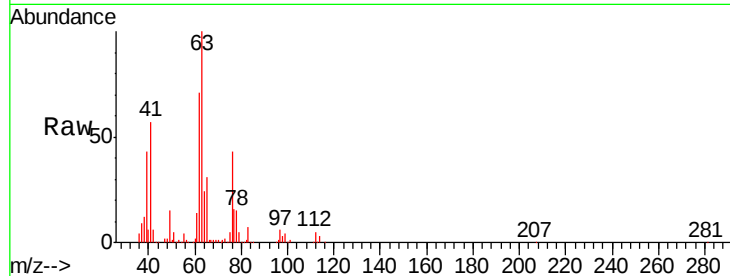




#45
 1,2-Dichloropropane
 Concen: 57.61 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

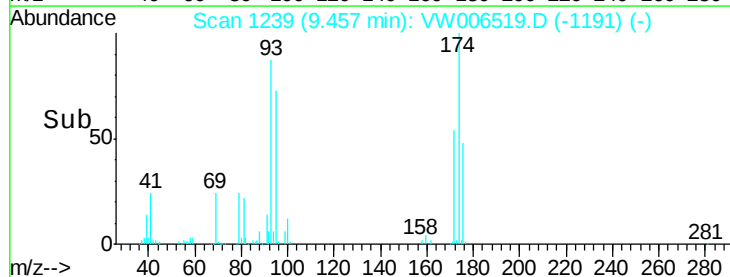
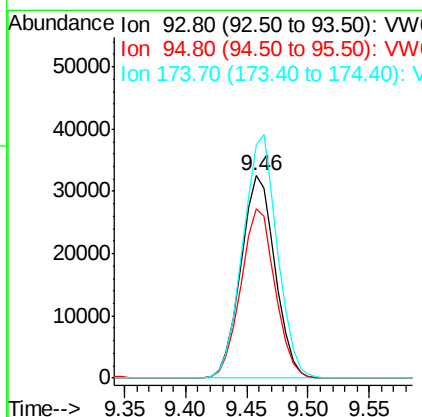
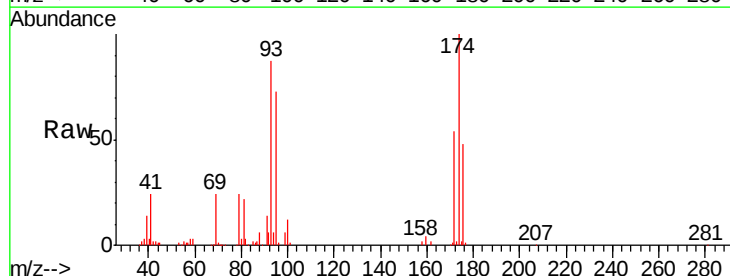
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

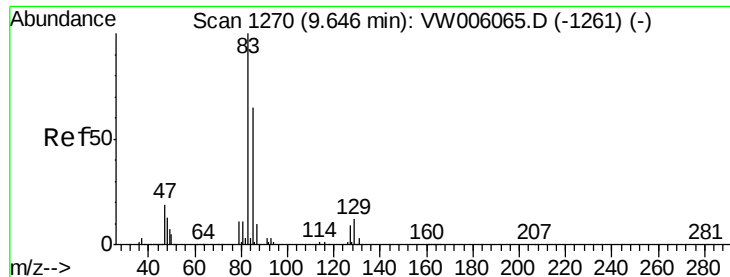
Tgt Ion: 63 Resp: 115086
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.4 38.0



#46
 Dibromomethane
 Concen: 55.56 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

Tgt Ion: 93 Resp: 63261
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.7 101.5
 174 120.7 93.7 140.5





#47

Bromodichloromethane

Concen: 57.31 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

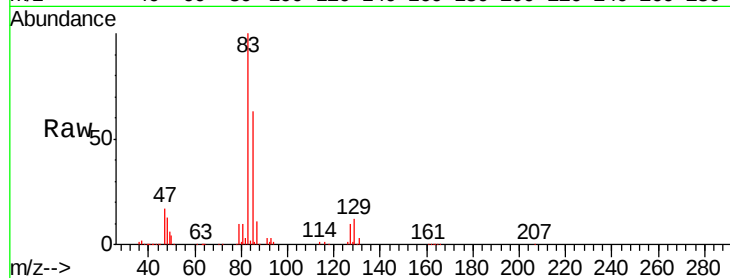
Tgt Ion: 83 Resp: 158180

Ion Ratio Lower Upper

83 100

85 63.0 51.8 77.8

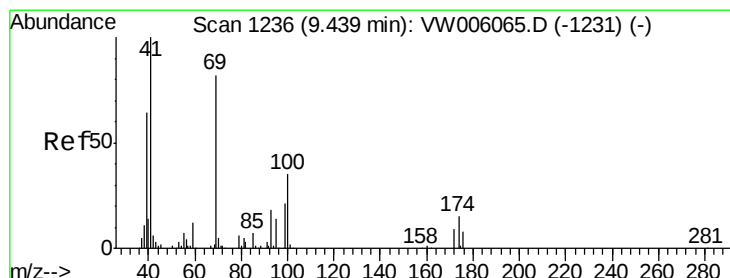
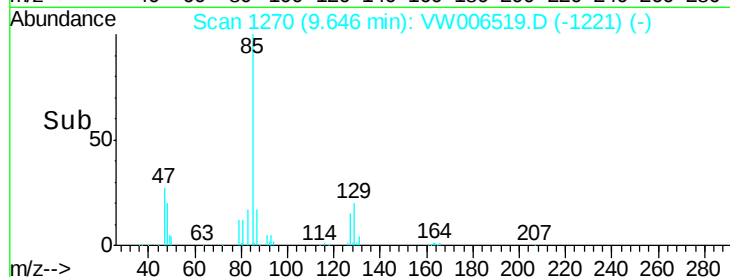
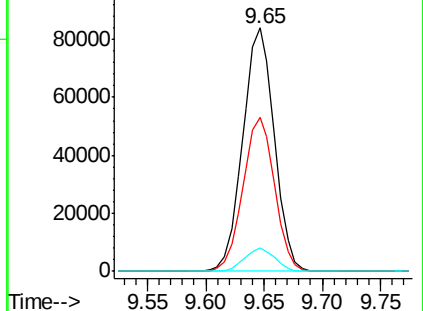
127 9.6 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.66 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

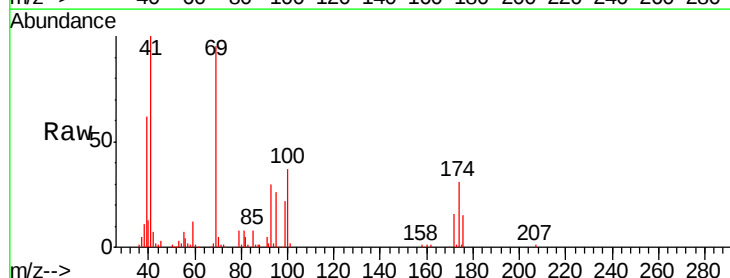
Tgt Ion: 41 Resp: 52228

Ion Ratio Lower Upper

41 100

69 99.8 71.8 107.8

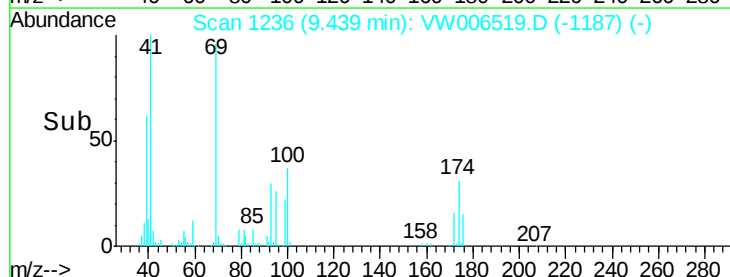
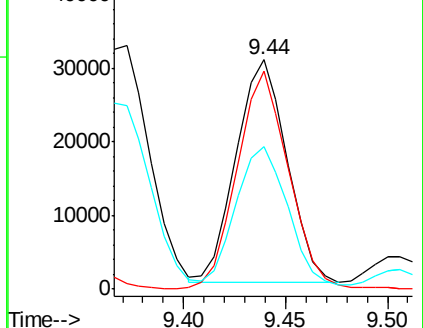
39 62.6 52.5 78.7

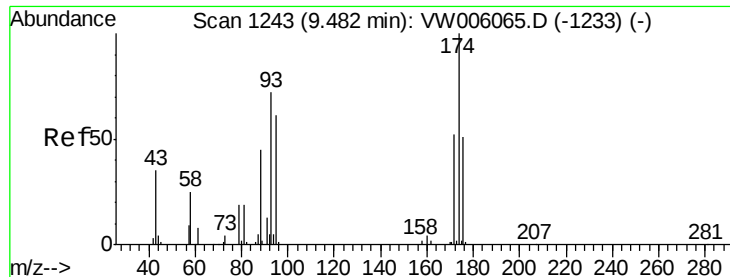


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

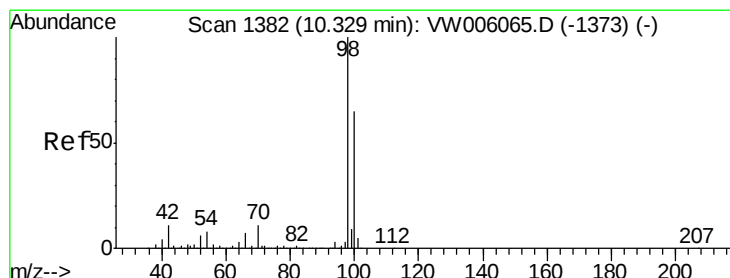
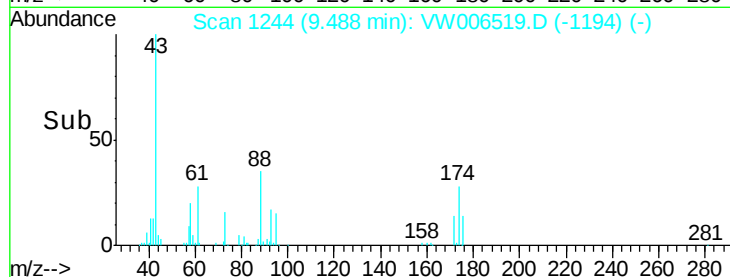
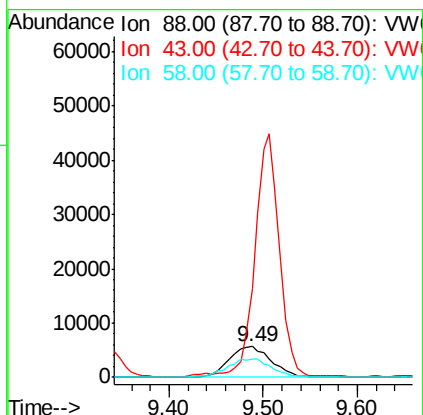
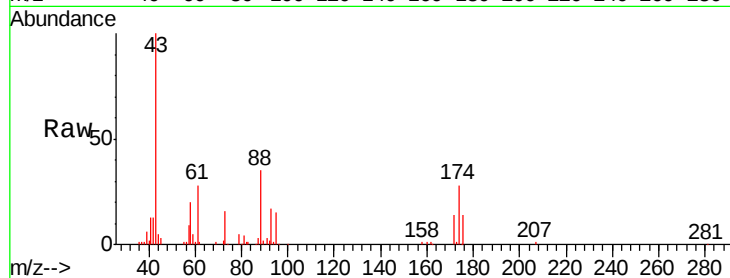




#49
1,4-Dioxane
Concen: 1008.89 ug/l
RT: 9.49 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

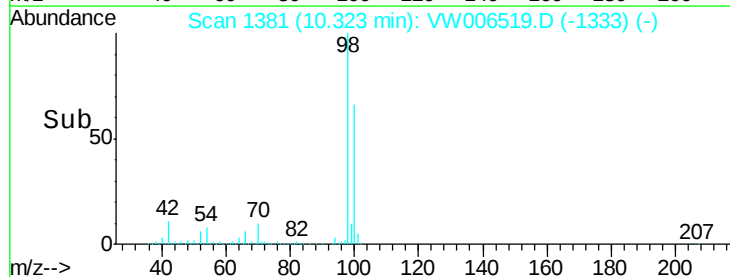
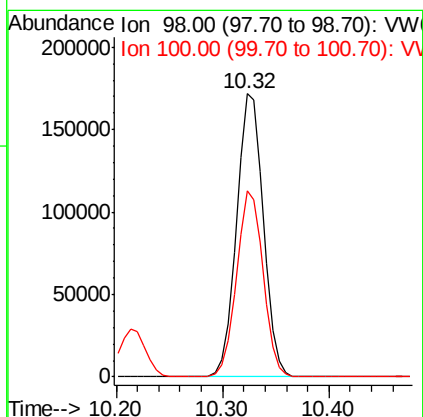
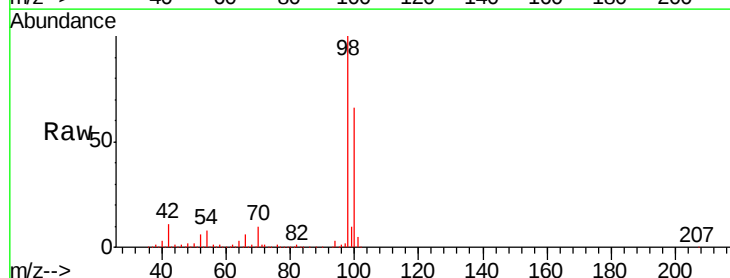
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

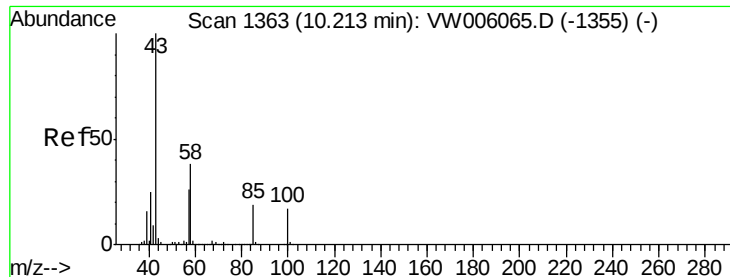
Tgt Ion: 88 Resp: 17683
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 63.5 51.2 76.8



#50
Toluene-d8
Concen: 40.87 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Tgt Ion: 98 Resp: 303346
Ion Ratio Lower Upper
98 100
100 65.2 51.6 77.4

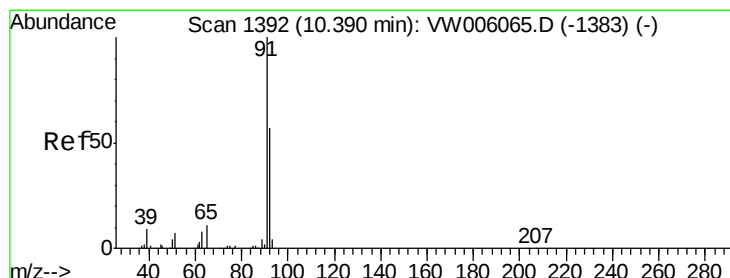
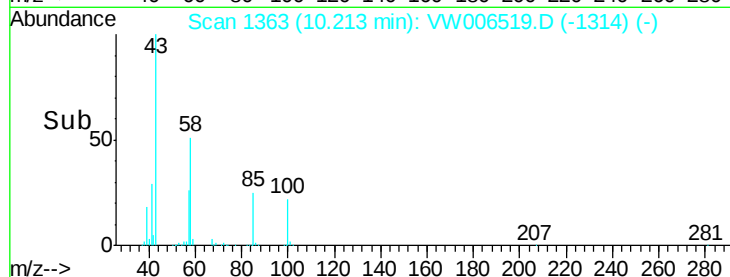
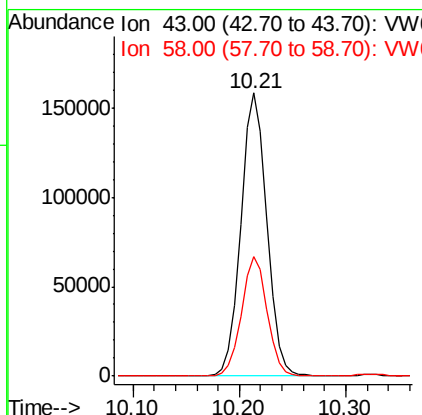
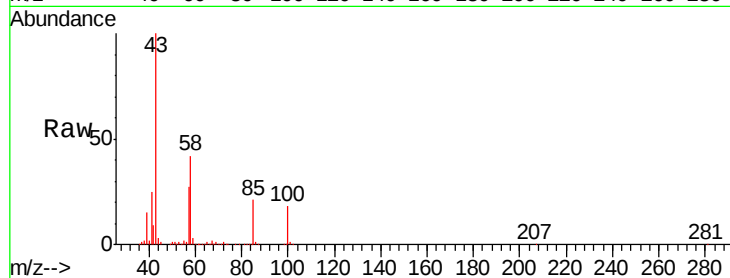




#51
 4-Methyl-2-Pentanone
 Concen: 233.46 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

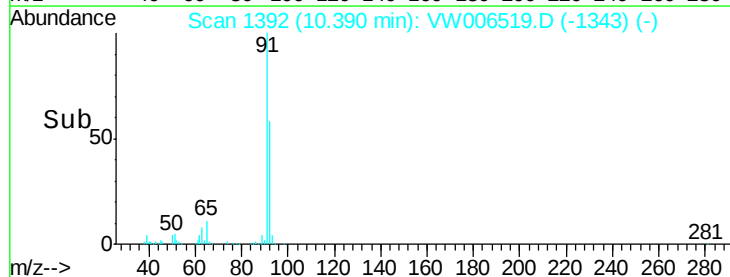
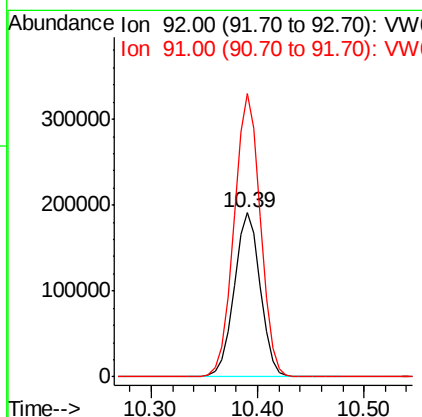
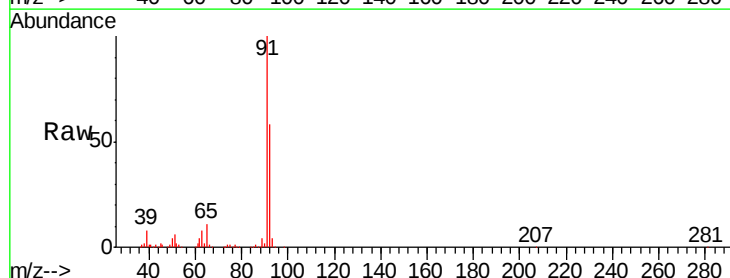
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

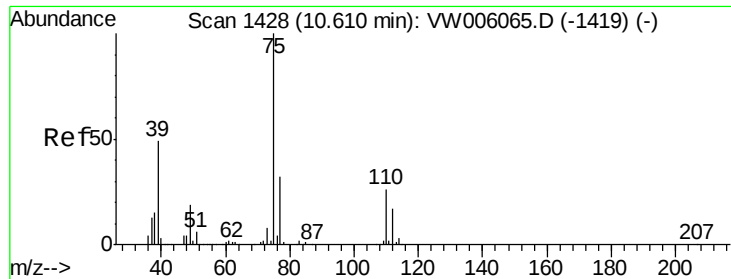
Tgt Ion: 43 Resp: 270420
 Ion Ratio Lower Upper
 43 100
 58 41.7 31.5 47.3



#52
 Toluene
 Concen: 58.63 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

Tgt Ion: 92 Resp: 328147
 Ion Ratio Lower Upper
 92 100
 91 173.8 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 55.82 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

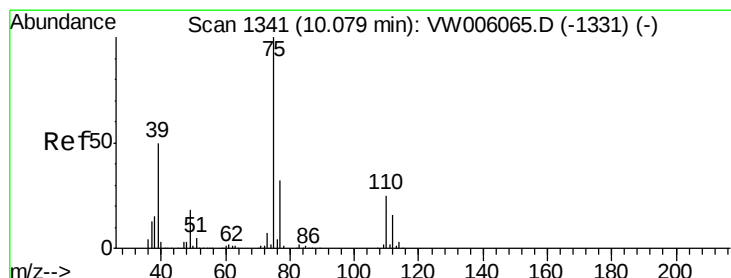
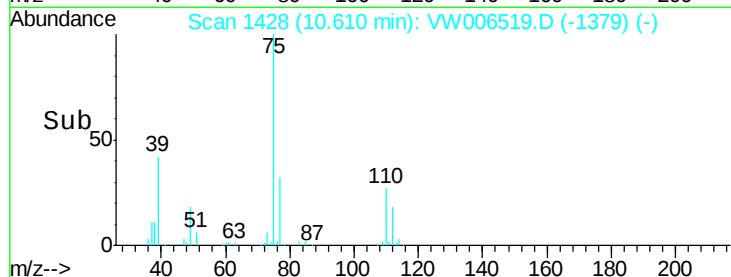
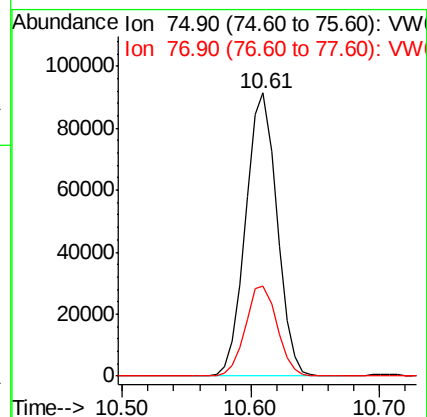
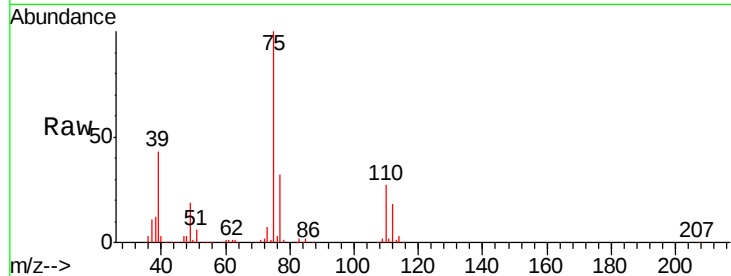
VSTDCCC050

Tgt Ion: 75 Resp: 153500

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 56.75 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

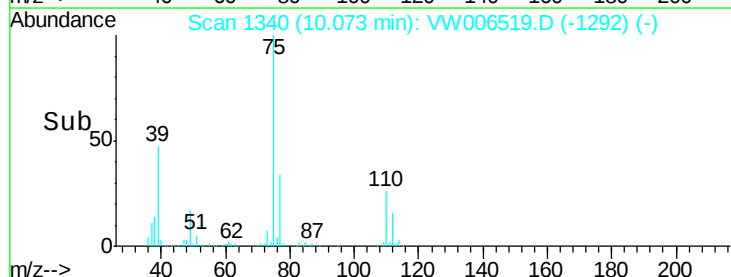
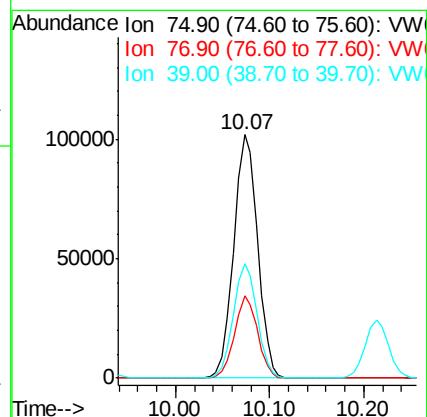
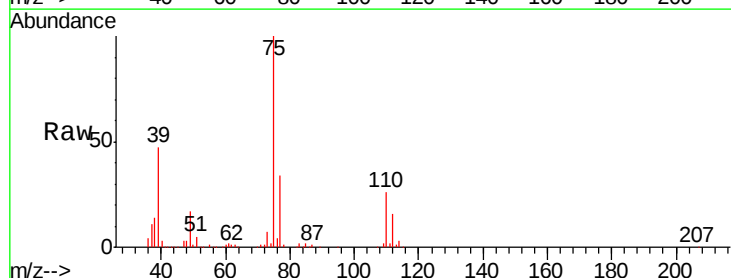
Tgt Ion: 75 Resp: 179136

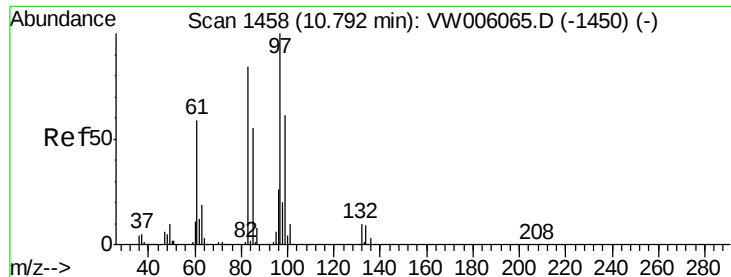
Ion Ratio Lower Upper

75 100

77 33.6 25.2 37.8

39 47.2 39.9 59.9

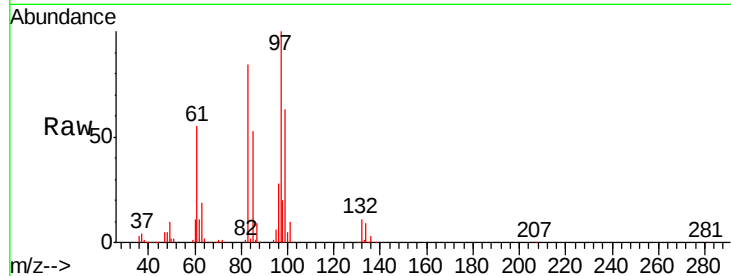




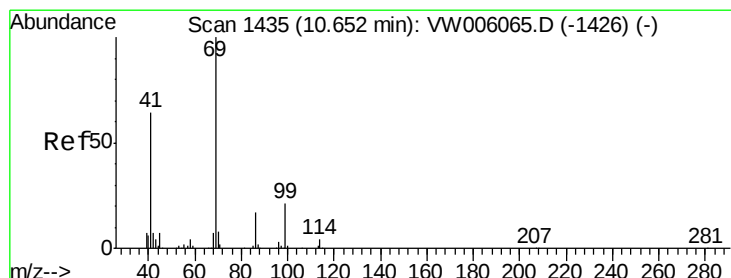
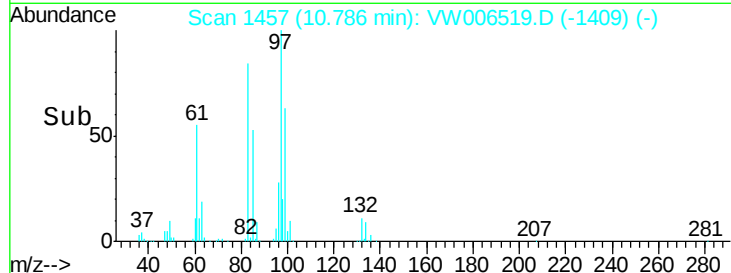
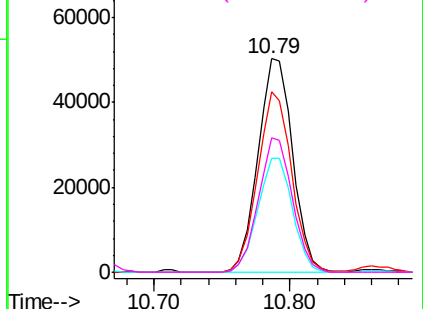
#55
 1,1,2-Trichloroethane
 Concen: 56.61 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	90195
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.2	100.8
85	53.4	43.7	65.5
99	63.0	48.5	72.7

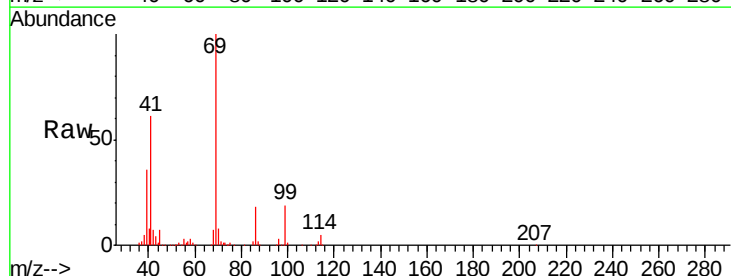


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

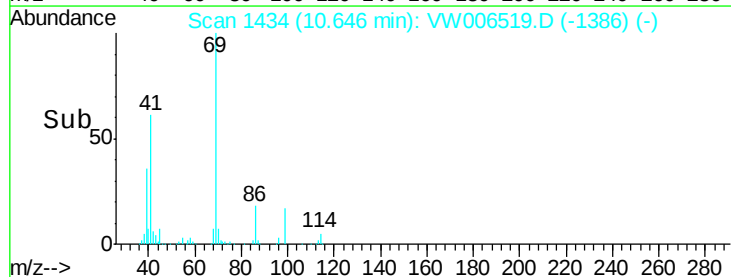
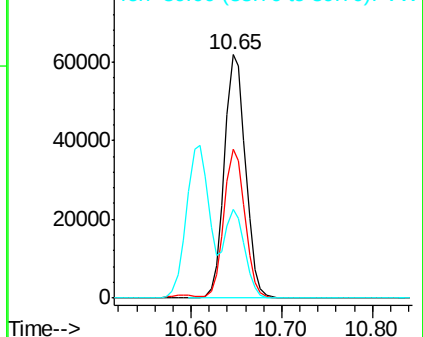


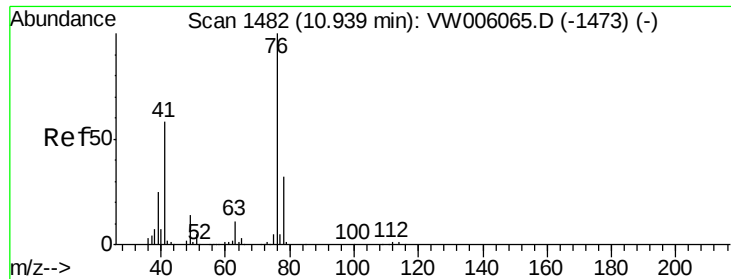
#56
 Ethyl methacrylate
 Concen: 51.46 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

Tgt Ion:	69	Resp:	100513
Ion	Ratio	Lower	Upper
69	100		
41	60.6	52.8	79.2
39	34.9	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

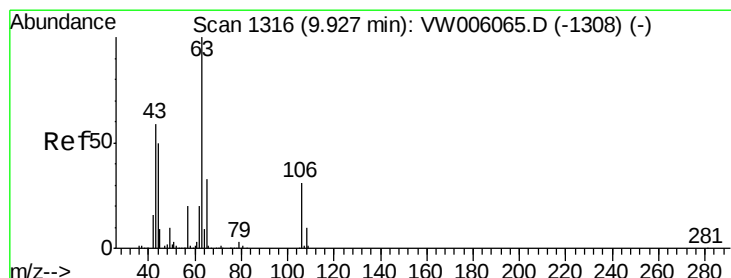
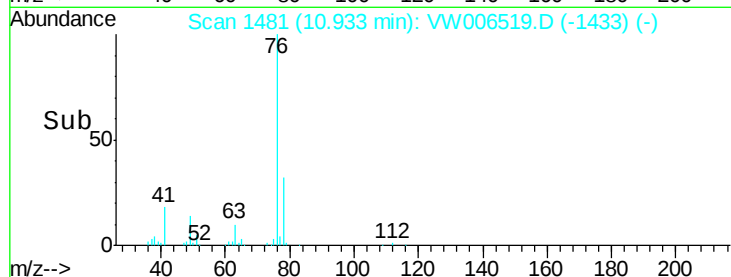
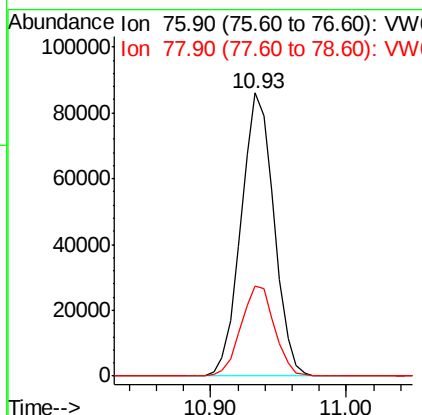
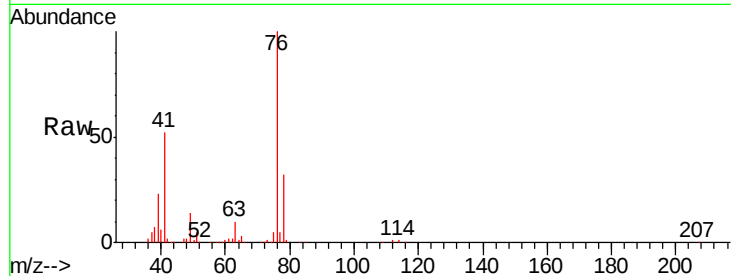




#57
 1,3-Dichloropropane
 Concen: 55.24 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

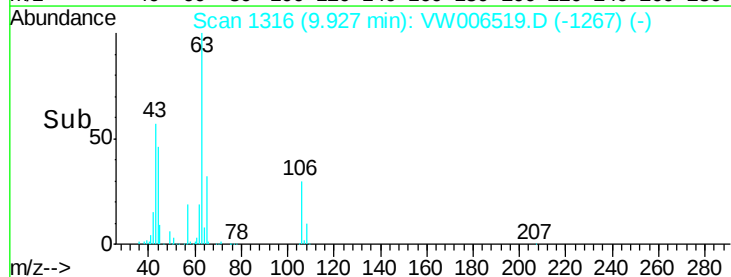
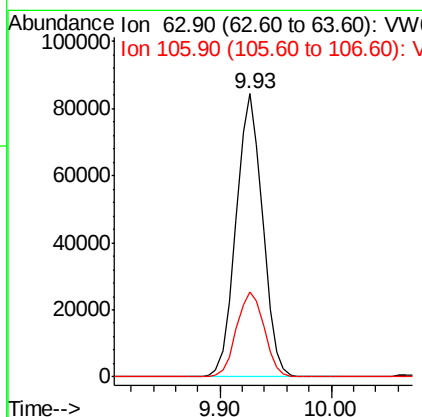
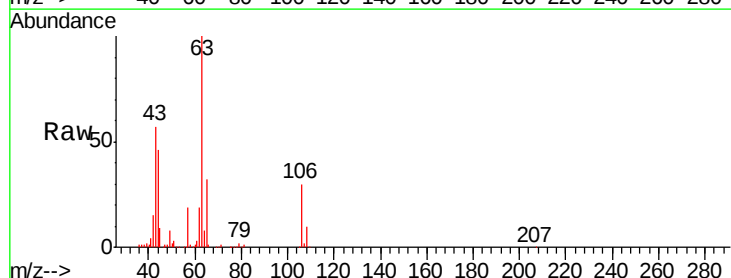
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

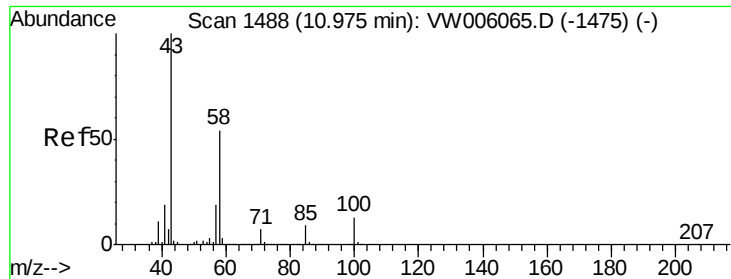
Tgt Ion: 76 Resp: 145700
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 186.67 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

Tgt Ion: 63 Resp: 139318
 Ion Ratio Lower Upper
 63 100
 106 31.2 24.5 36.7

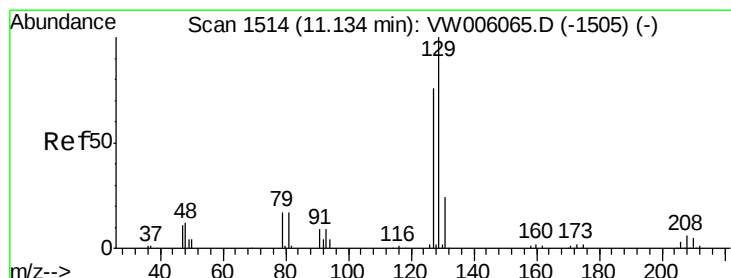
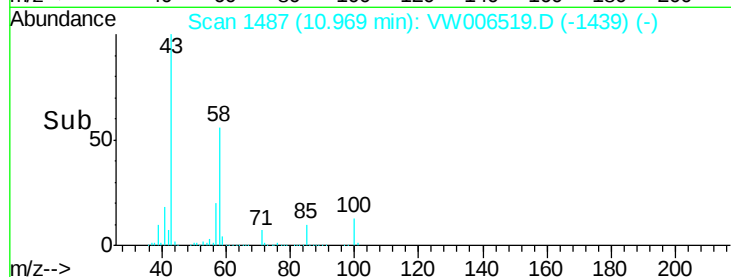
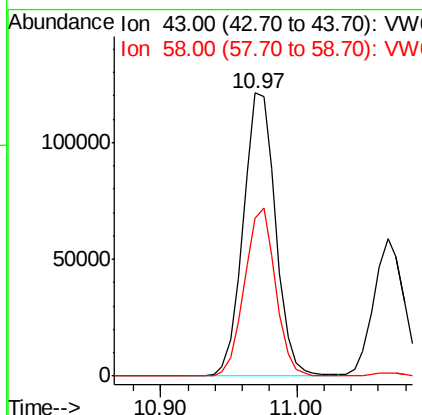
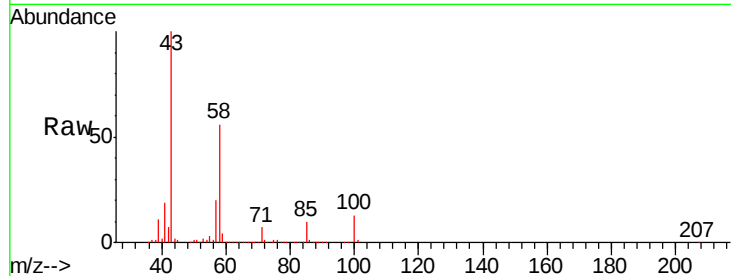




#59
2-Hexanone
Concen: 244.32 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

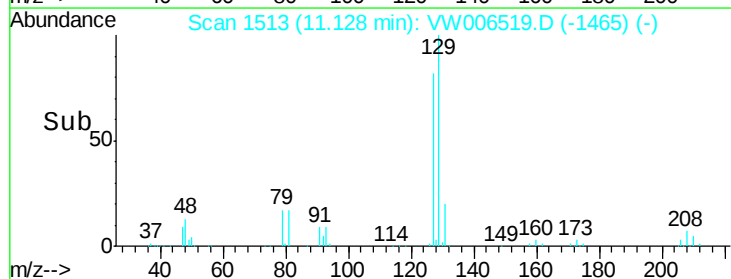
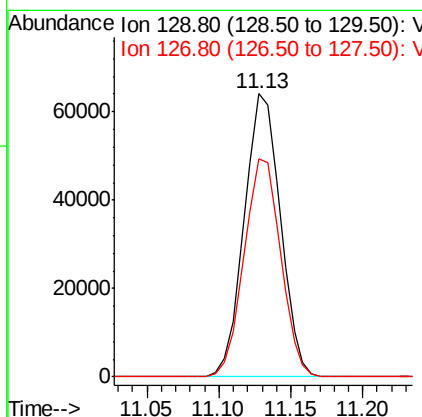
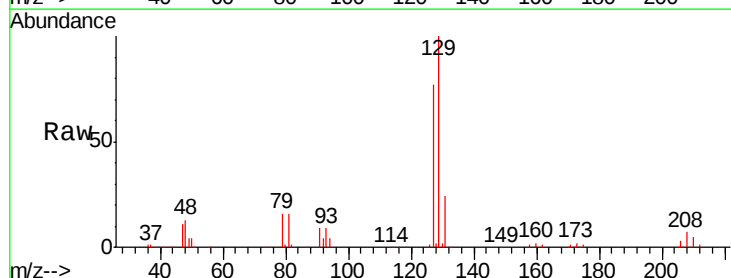
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

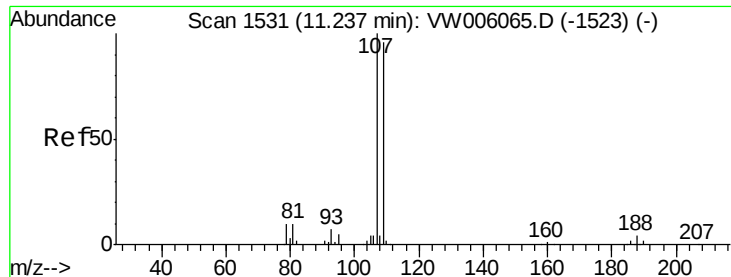
Tgt Ion: 43 Resp: 202017
Ion Ratio Lower Upper
43 100
58 57.1 26.9 80.6



#60
Dibromochloromethane
Concen: 56.22 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Tgt Ion: 129 Resp: 111568
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7

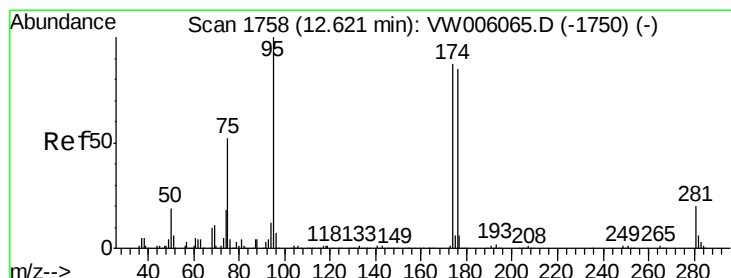
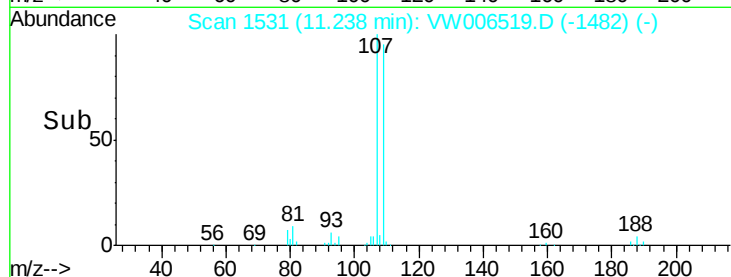
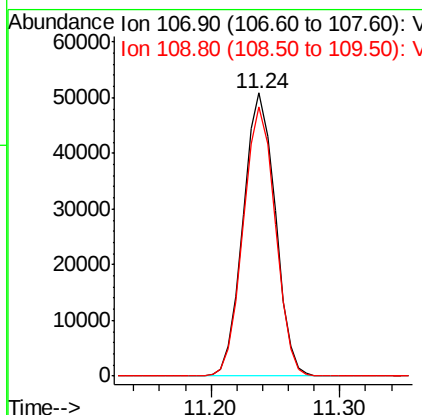
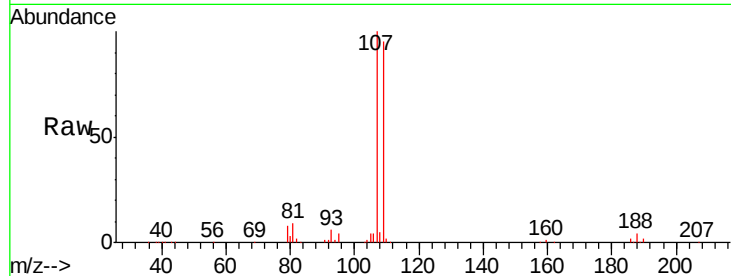




#61
 1,2-Dibromoethane
 Concen: 55.07 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

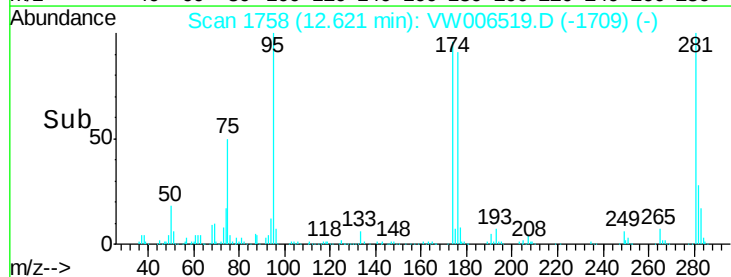
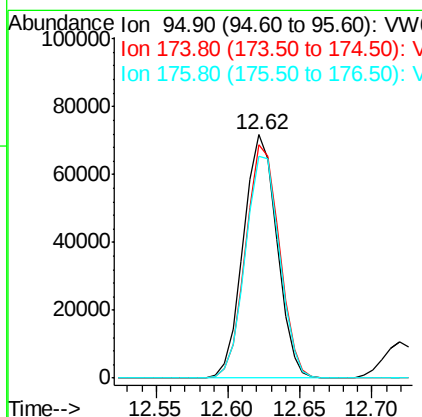
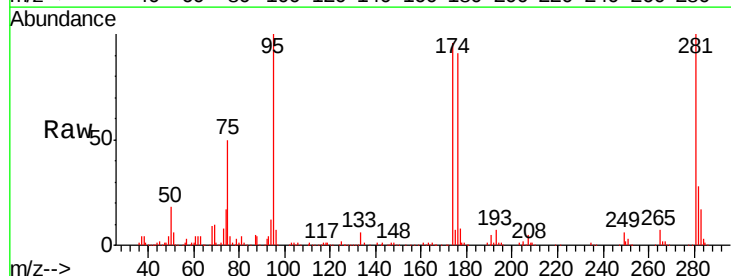
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

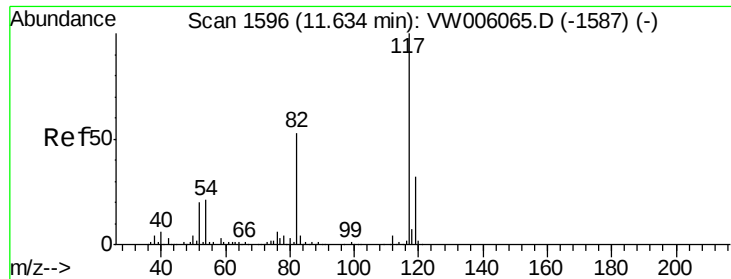
Tgt Ion: 107 Resp: 87663
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 41.48 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

Tgt Ion: 95 Resp: 115638
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 186.0
 176 93.0 0.0 181.6

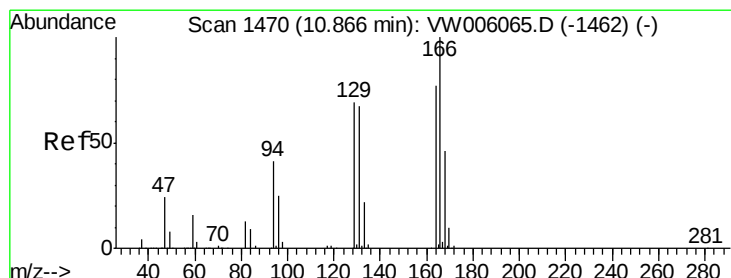
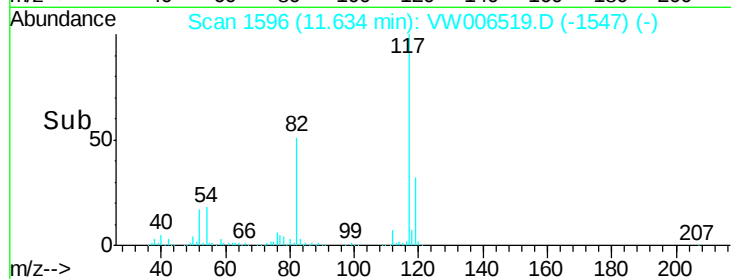
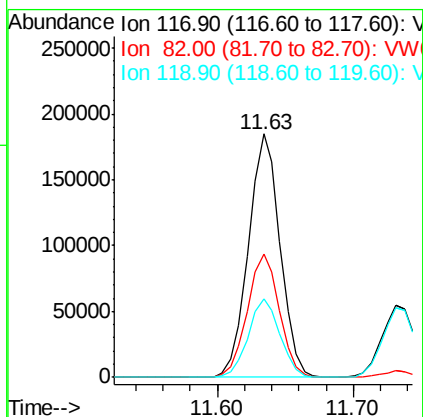
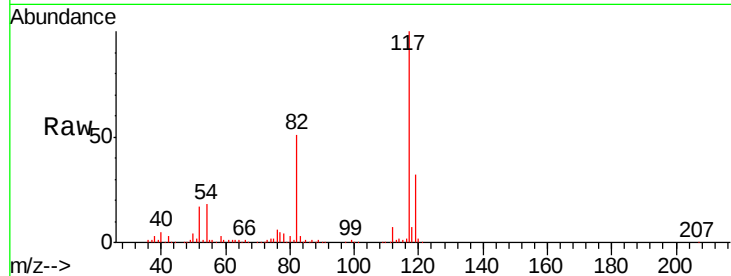




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

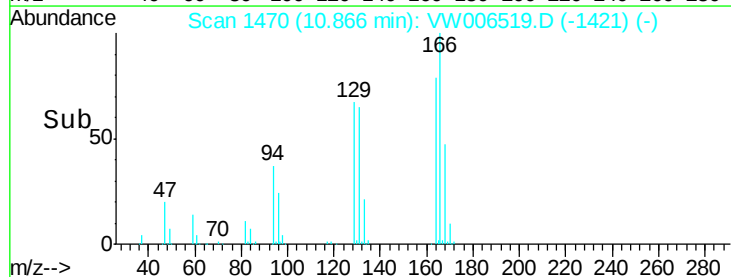
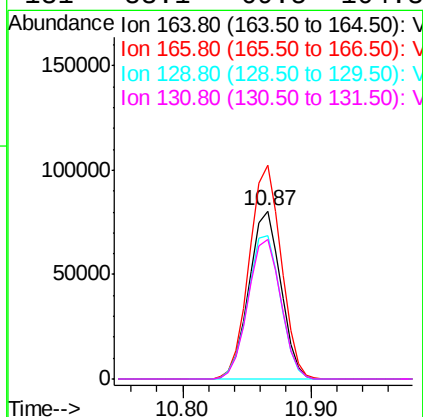
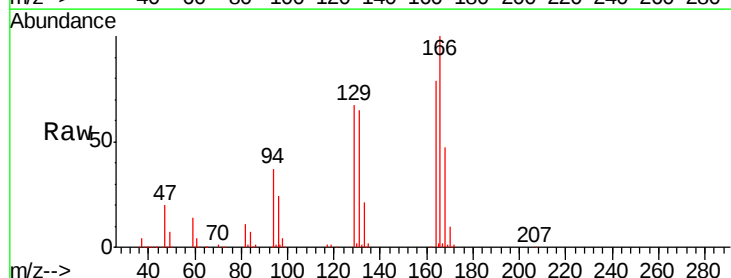
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

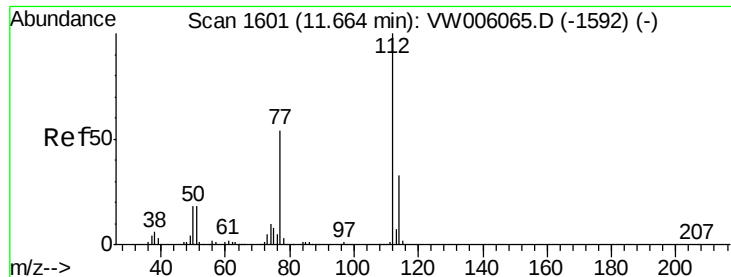
Tgt Ion:117 Resp: 300906
Ion Ratio Lower Upper
117 100
82 50.6 42.1 63.1
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 58.77 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Tgt Ion:164 Resp: 137292
Ion Ratio Lower Upper
164 100
166 127.0 103.4 155.0
129 85.3 71.8 107.8
131 83.1 69.5 104.3

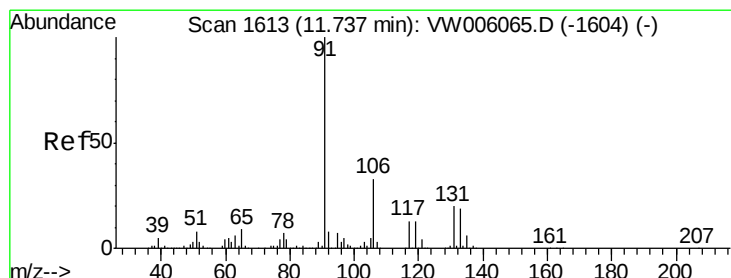
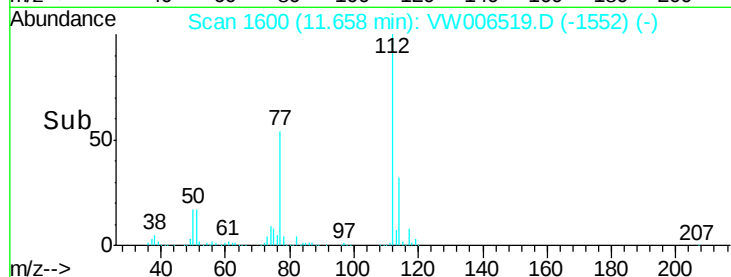
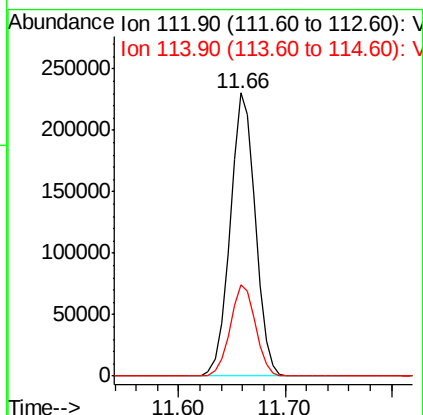
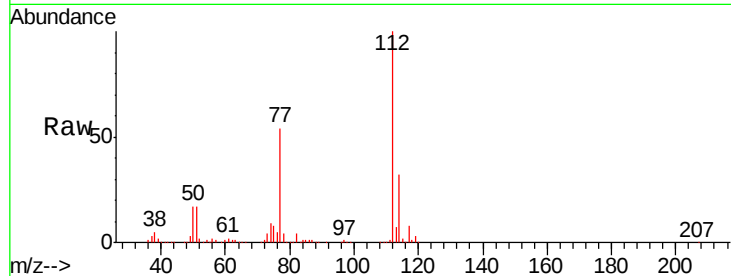




#65
Chlorobenzene
Concen: 59.10 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

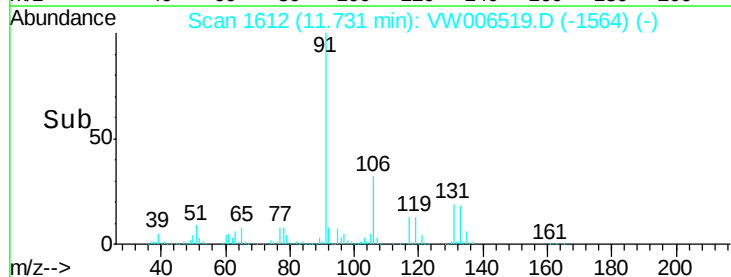
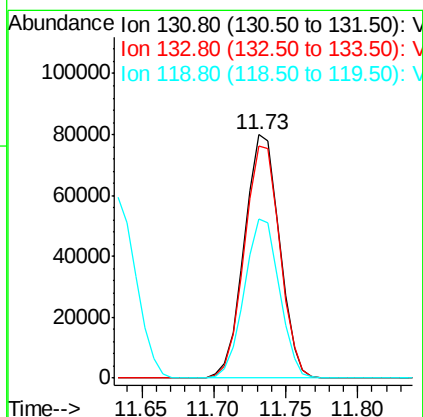
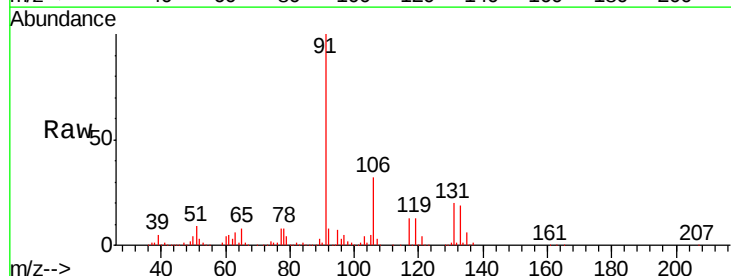
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

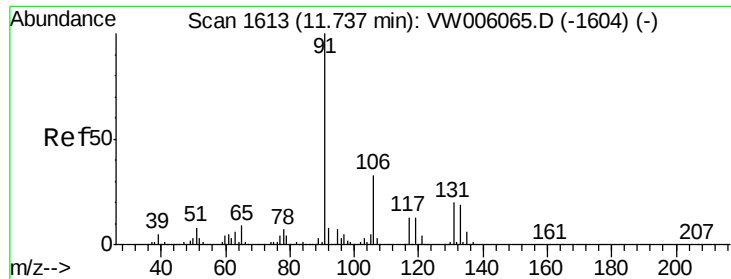
Tgt Ion:112 Resp: 380698
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 59.13 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Tgt Ion:131 Resp: 135353
Ion Ratio Lower Upper
131 100
133 95.9 48.1 144.3
119 64.9 31.6 94.7

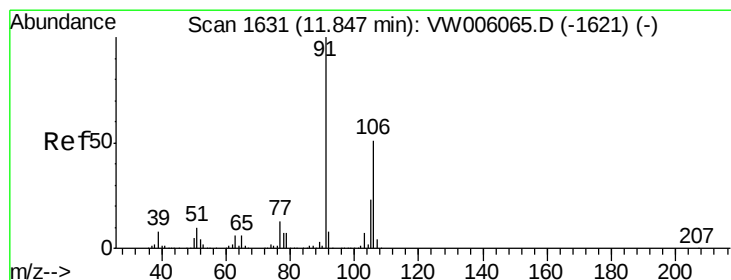
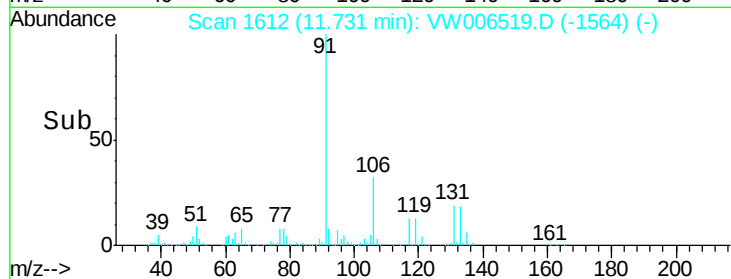
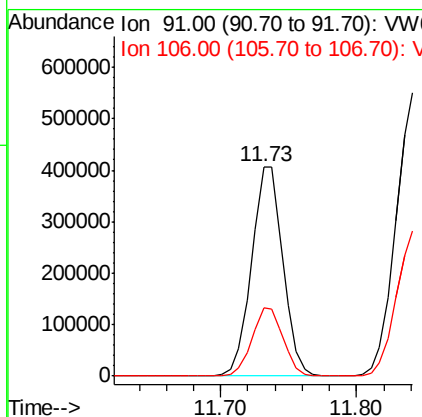
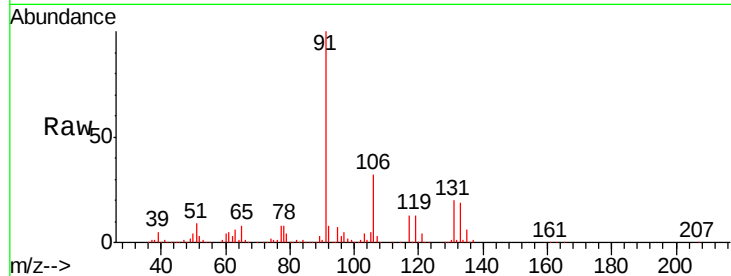




#67
Ethyl Benzene
Concen: 59.00 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

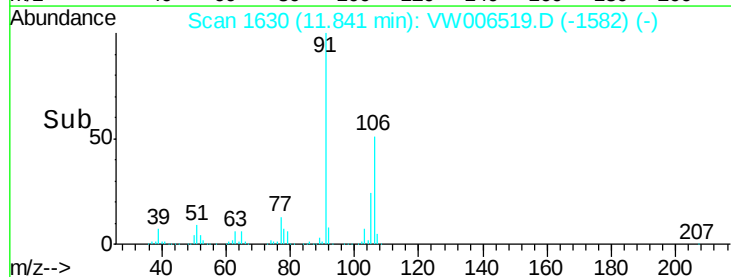
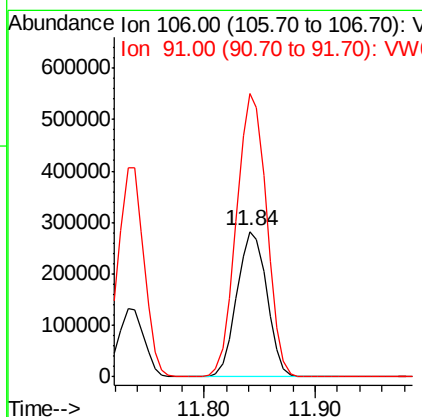
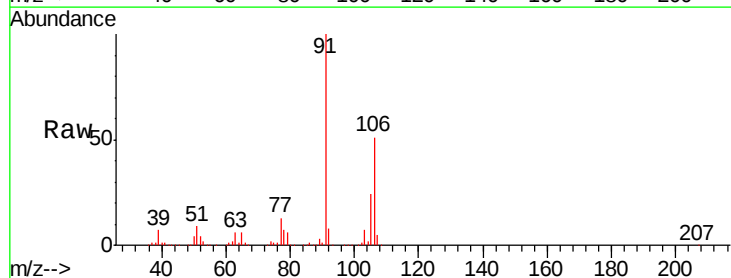
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

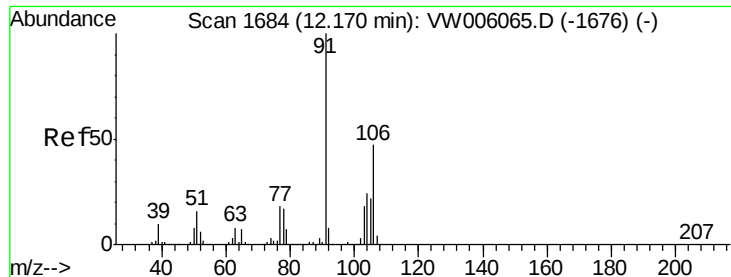
Tgt Ion: 91 Resp: 658589
Ion Ratio Lower Upper
91 100
106 32.4 26.1 39.1



#68
m/p-Xylenes
Concen: 119.65 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Tgt Ion: 106 Resp: 527946
Ion Ratio Lower Upper
106 100
91 195.6 159.1 238.7

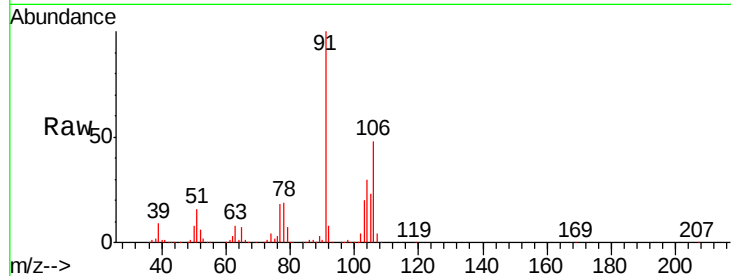




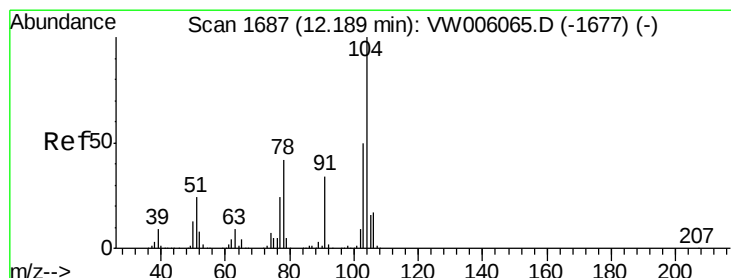
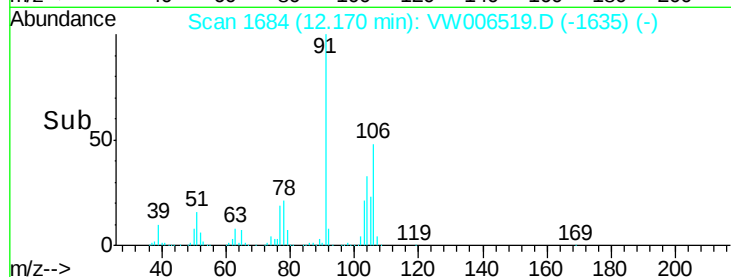
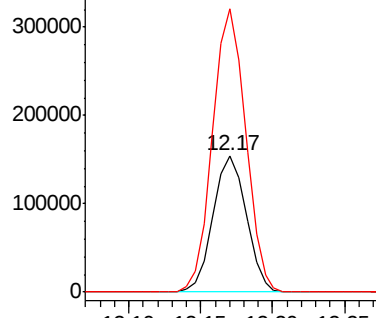
#69
o-Xylene
Concen: 58.89 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 247633
Ion Ratio Lower Upper
106 100
91 206.9 105.4 316.1

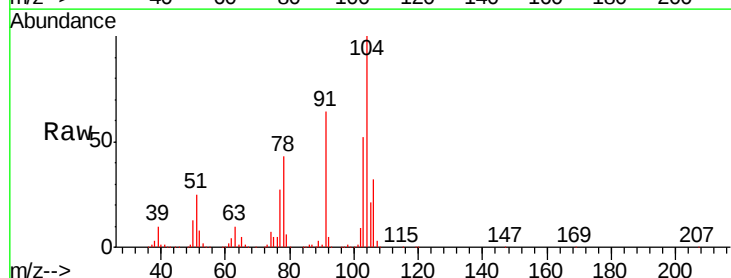


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

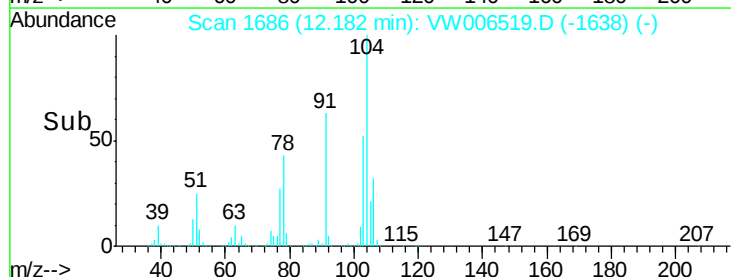
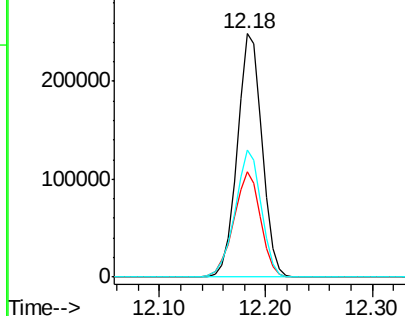


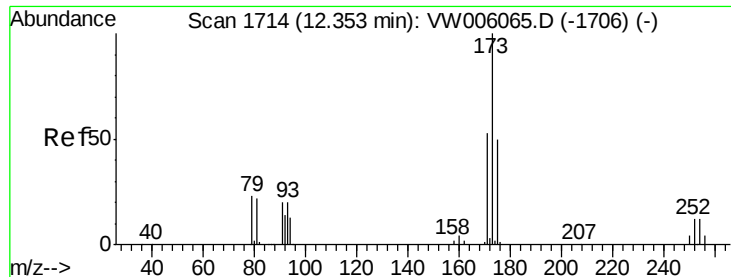
#70
Styrene
Concen: 59.28 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Tgt Ion:104 Resp: 405376
Ion Ratio Lower Upper
104 100
78 46.9 39.1 58.7
103 55.3 44.3 66.5



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





#71

Bromoform

Concen: 53.99 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

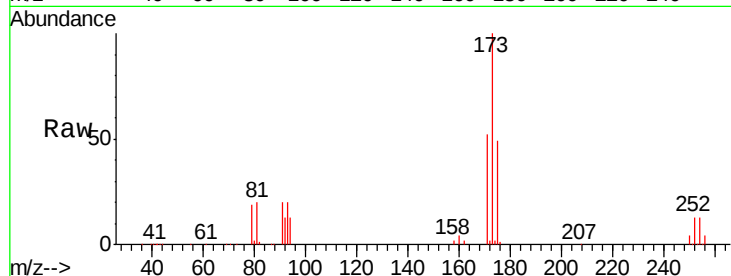
Tgt Ion:173 Resp: 68932

Ion Ratio Lower Upper

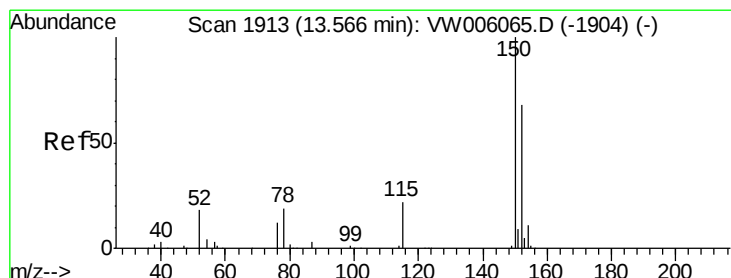
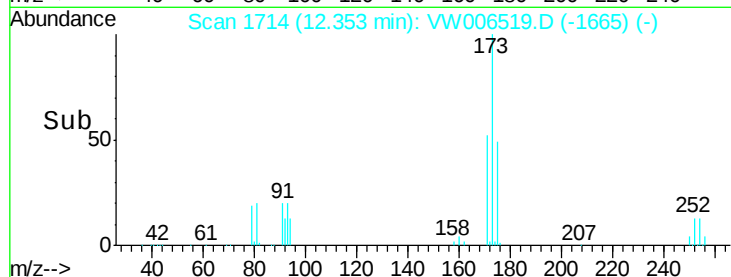
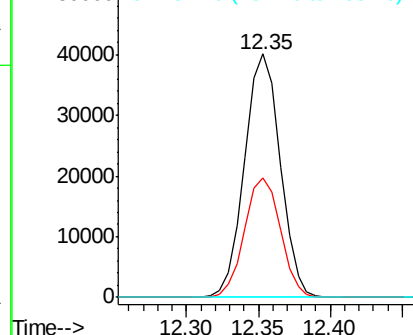
173 100

175 49.5 24.2 72.6

254 0.2 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: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

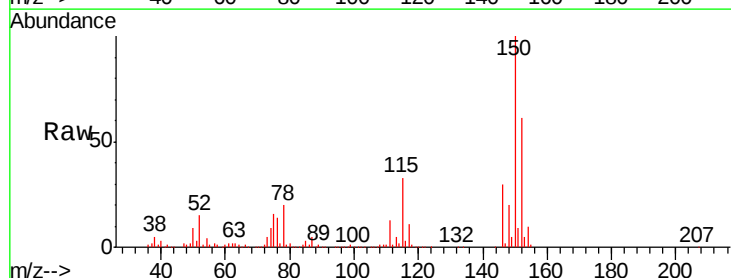
Tgt Ion:152 Resp: 174028

Ion Ratio Lower Upper

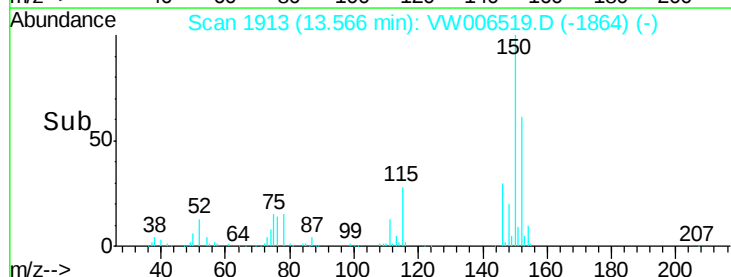
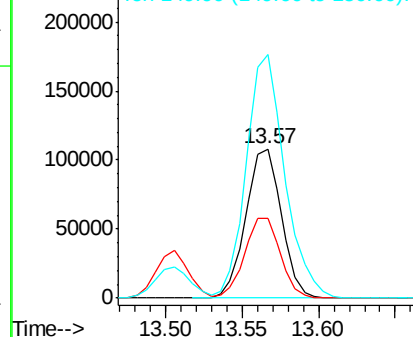
152 100

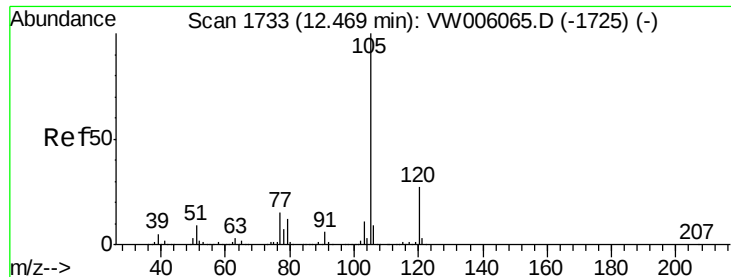
115 54.3 27.8 83.3

150 177.3 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: 57.42 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

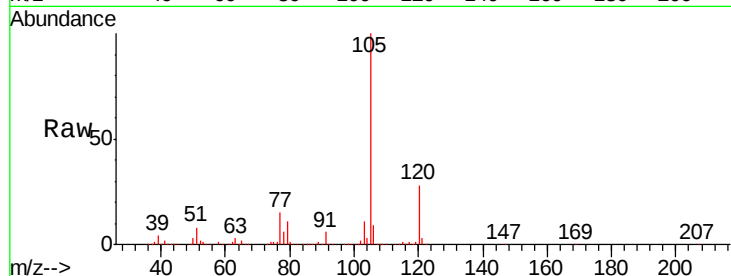
VSTDCCC050

Tgt Ion:105 Resp: 705947

Ion Ratio Lower Upper

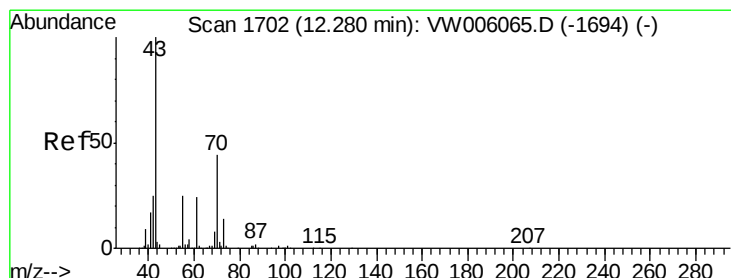
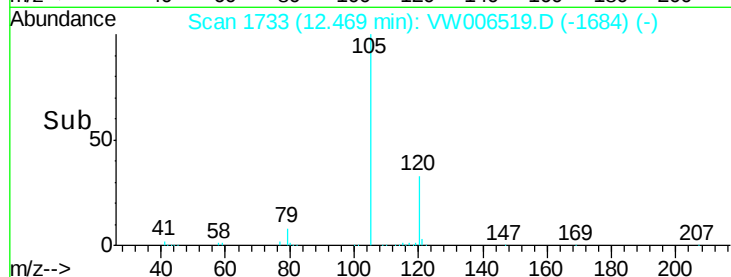
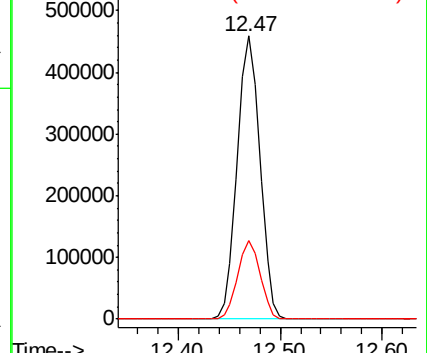
105 100

120 27.6 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.98 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Tgt Ion: 43 Resp: 107401

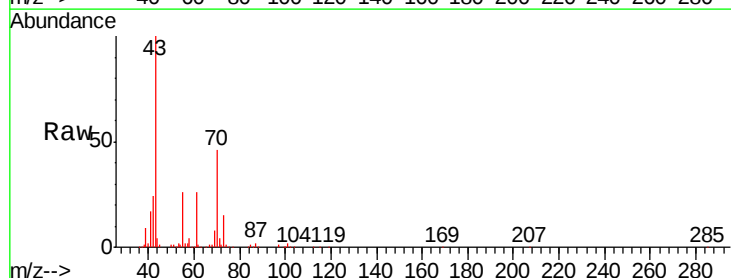
Ion Ratio Lower Upper

43 100

70 46.4 34.2 51.4

55 26.5 19.2 28.8

61 25.9 19.0 28.6

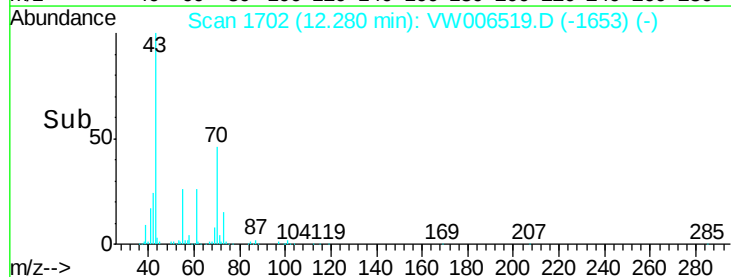
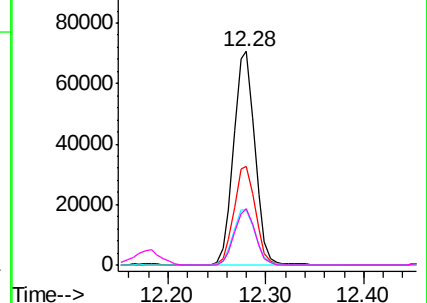


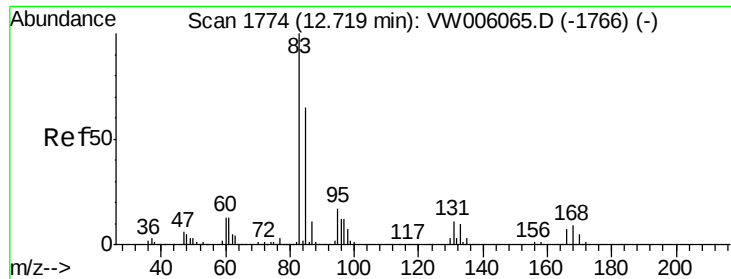
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 52.86 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

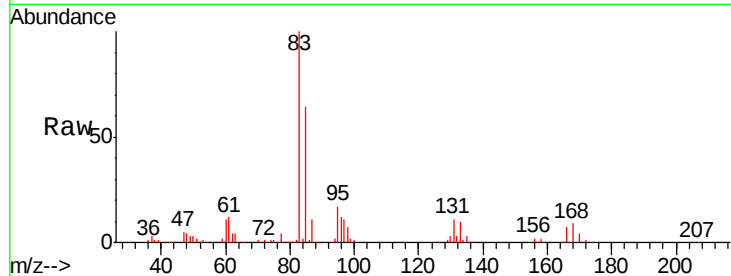
Tgt Ion: 83 Resp: 98846

Ion Ratio Lower Upper

83 100

131 11.7 5.9 17.7

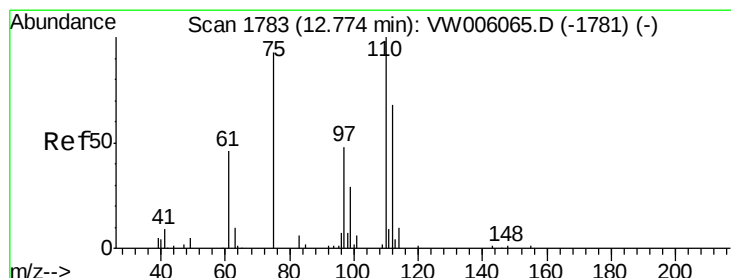
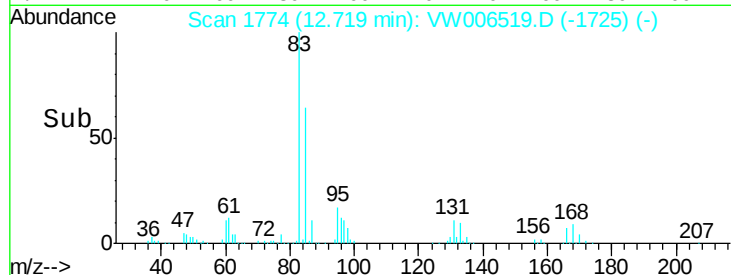
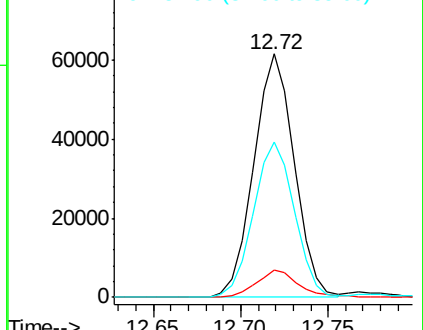
85 64.4 31.9 95.9



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: 96.16 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006519.D

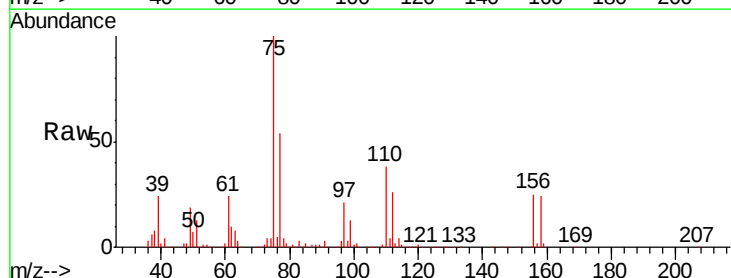
Acq: 31 Oct 2018 11:51

Tgt Ion: 75 Resp: 127824

Ion Ratio Lower Upper

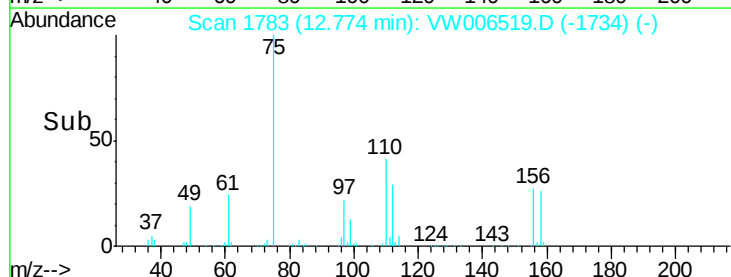
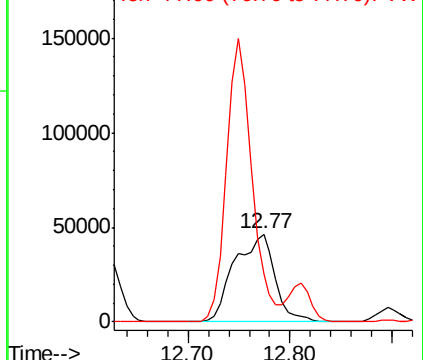
75 100

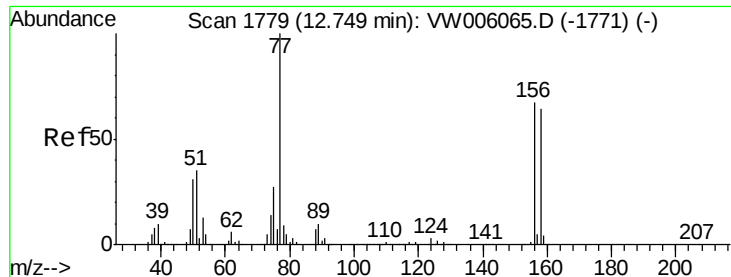
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 56.74 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

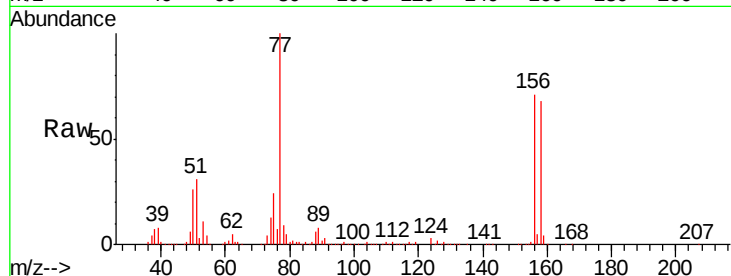
Tgt Ion:156 Resp: 170859

Ion Ratio Lower Upper

156 100

77 152.9 79.1 237.4

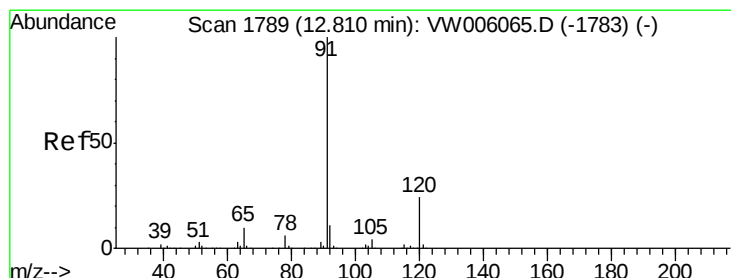
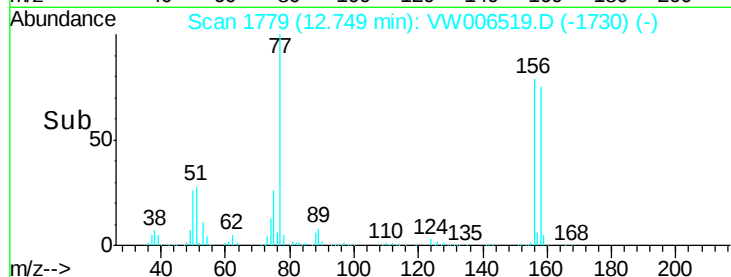
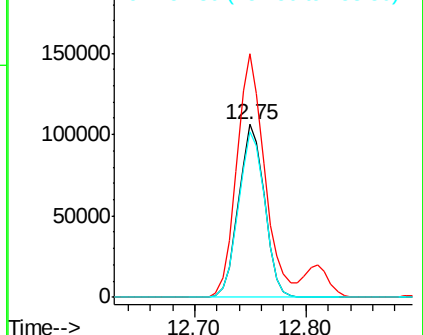
158 97.2 48.5 145.6



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: 57.88 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006519.D

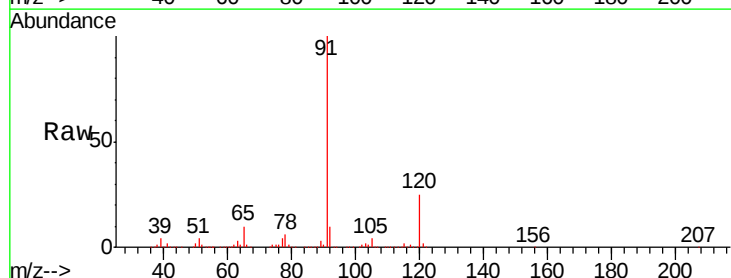
Acq: 31 Oct 2018 11:51

Tgt Ion: 91 Resp: 827886

Ion Ratio Lower Upper

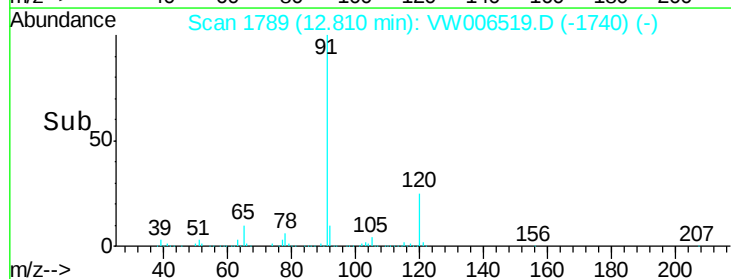
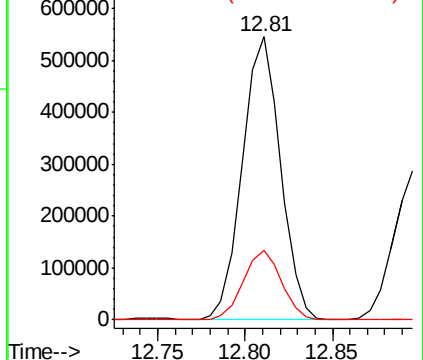
91 100

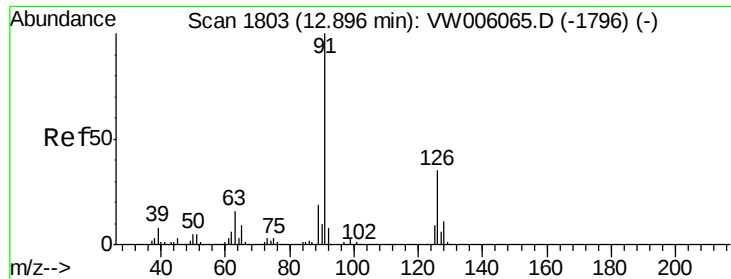
120 24.6 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.88 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

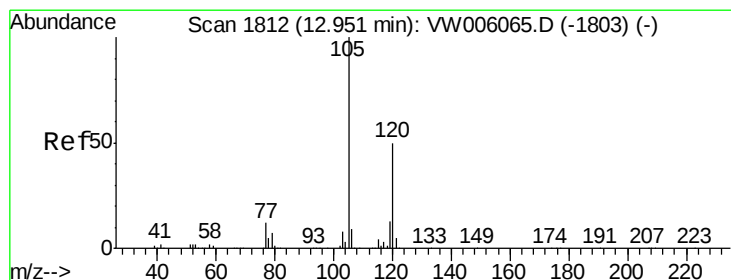
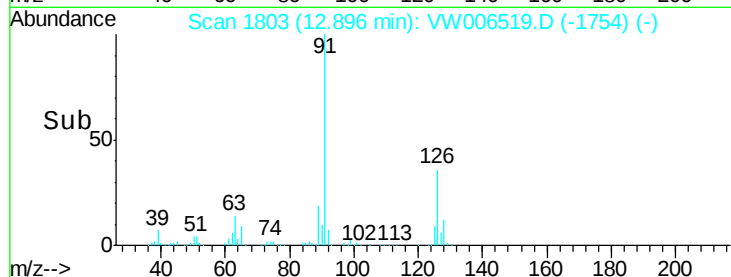
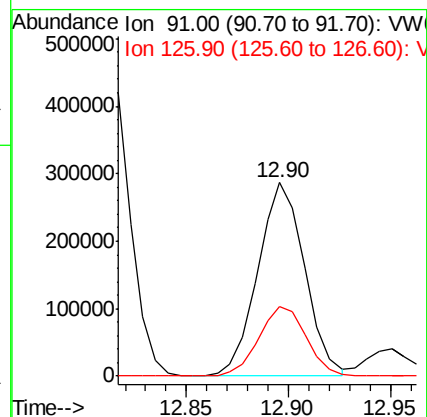
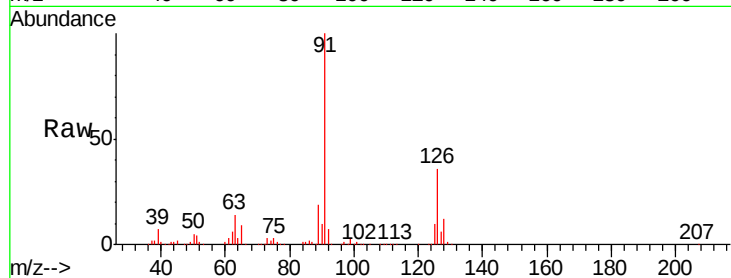
VSTDCCC050

Tgt Ion: 91 Resp: 457163

Ion Ratio Lower Upper

91 100

126 36.8 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 57.42 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006519.D

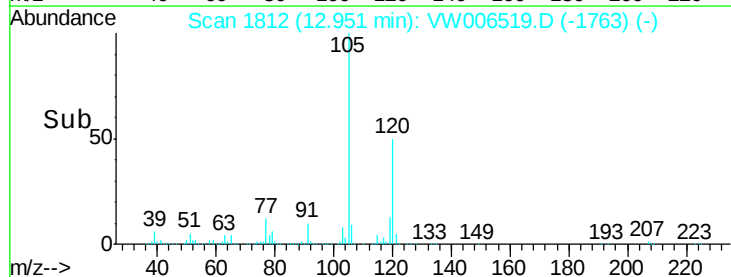
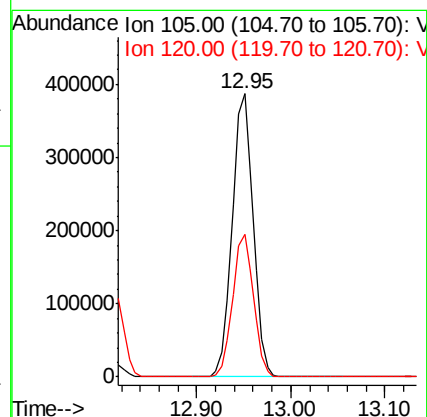
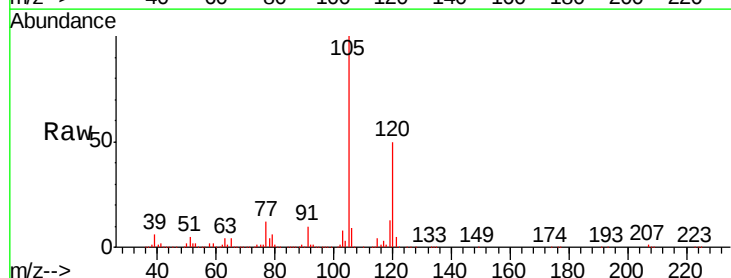
Acq: 31 Oct 2018 11:51

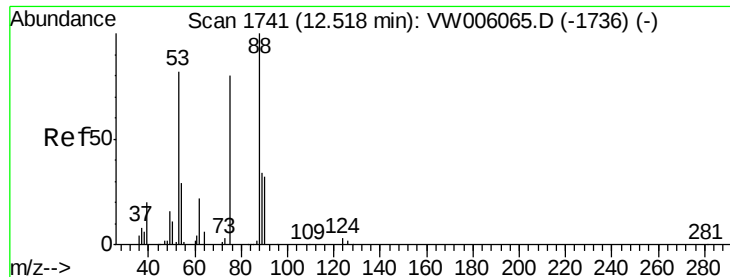
Tgt Ion: 105 Resp: 595172

Ion Ratio Lower Upper

105 100

120 50.4 24.9 74.6

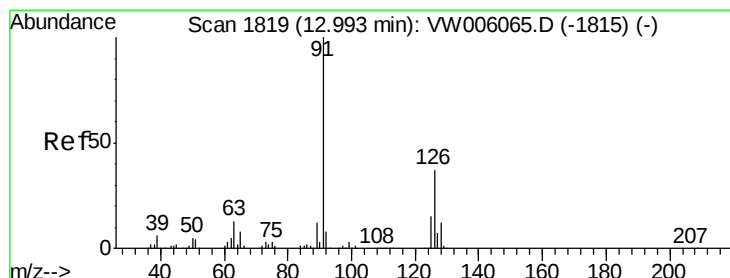
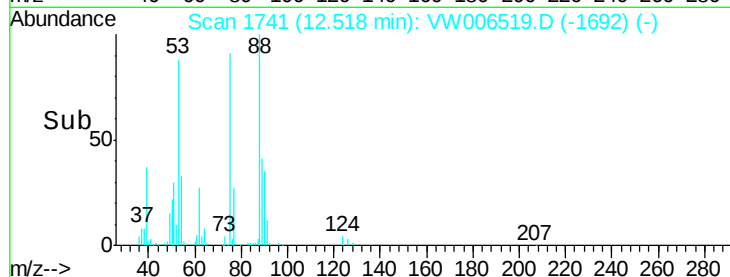
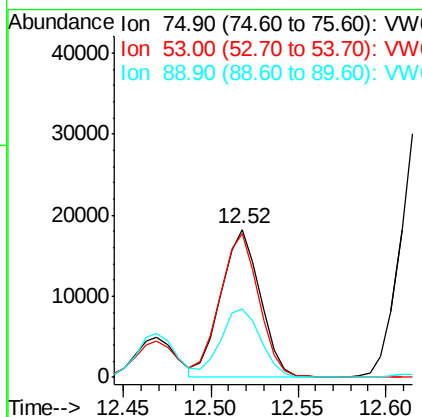
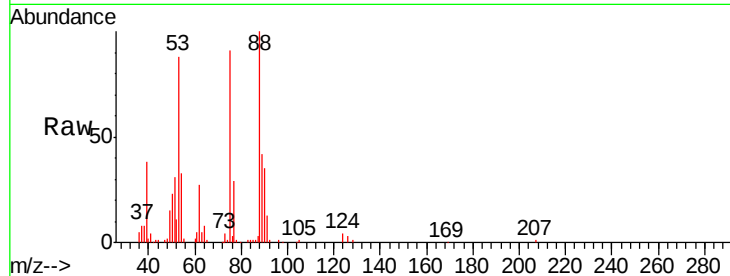




#81
trans-1,4-Dichloro-2-butene
Concen: 51.42 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

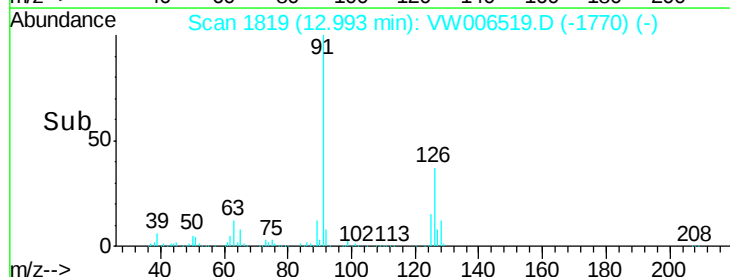
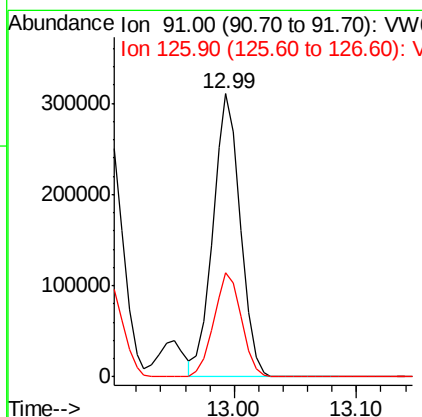
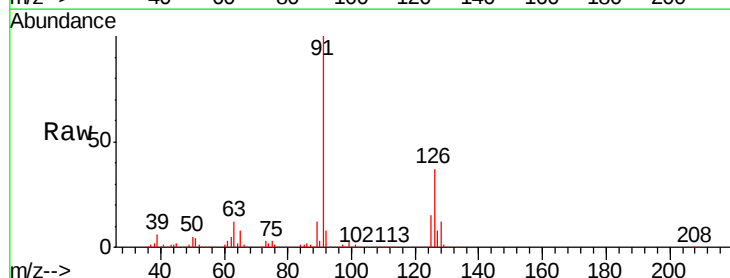
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

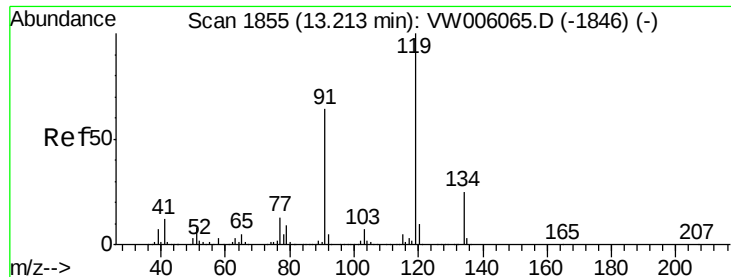
Tgt Ion: 75 Resp: 28595
Ion Ratio Lower Upper
75 100
53 96.2 79.8 119.6
89 46.3 37.5 56.3



#82
4-Chlorotoluene
Concen: 57.30 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Tgt Ion: 91 Resp: 482415
Ion Ratio Lower Upper
91 100
126 37.1 18.1 54.3

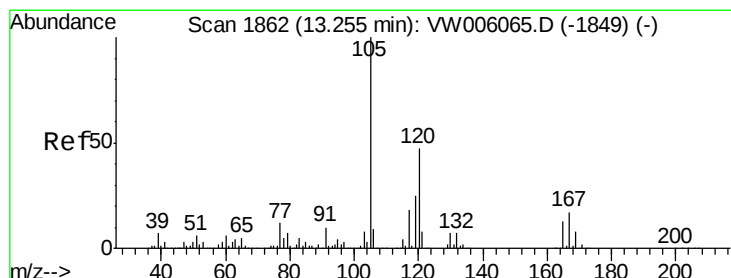
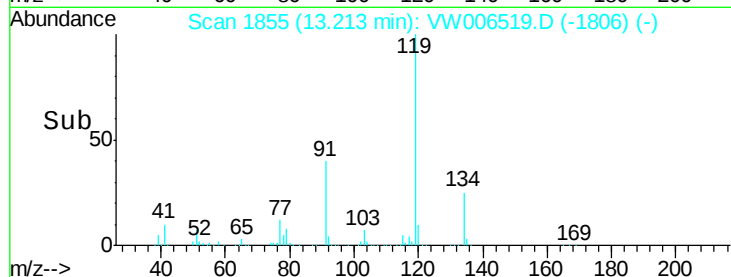
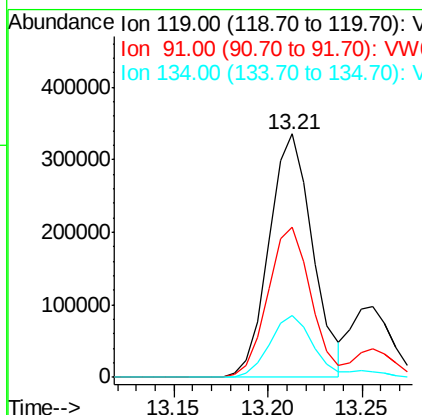
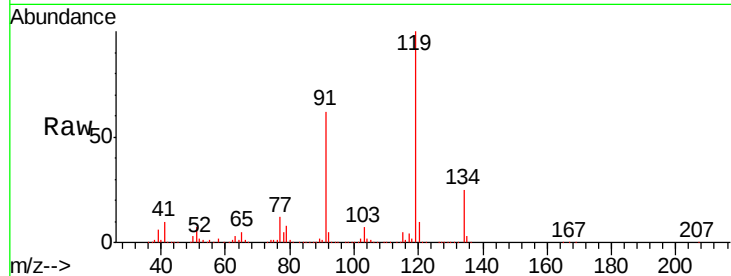




#83
 tert-Butylbenzene
 Concen: 58.16 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

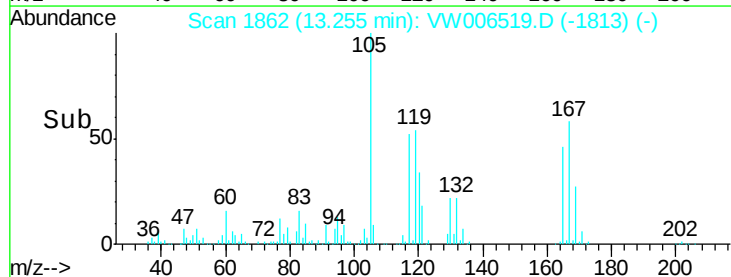
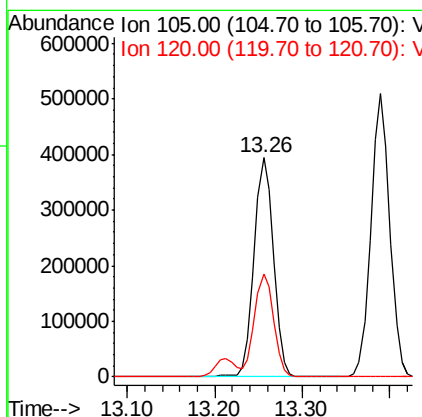
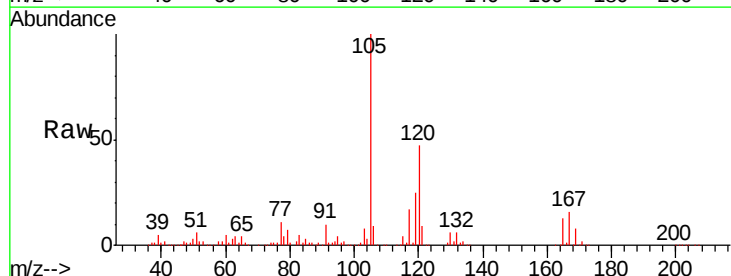
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

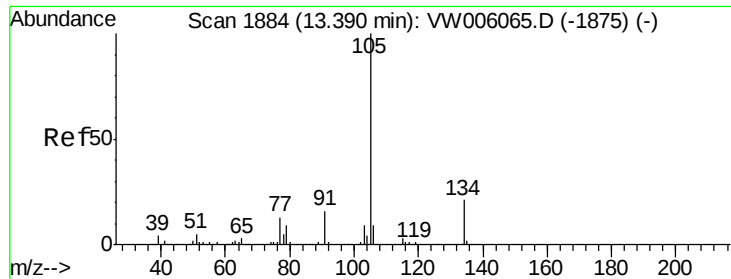
Tgt Ion:119 Resp: 539292
 Ion Ratio Lower Upper
 119 100
 91 60.8 32.3 96.9
 134 25.4 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 57.71 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

Tgt Ion:105 Resp: 605232
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.1 69.3





#85

sec-Butylbenzene

Concen: 58.42 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

Instrument :

MSVOA_W

ClientSampleId :

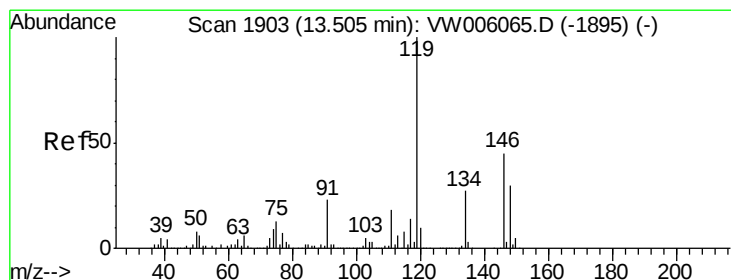
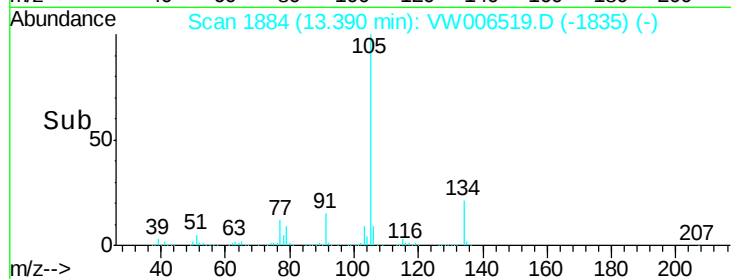
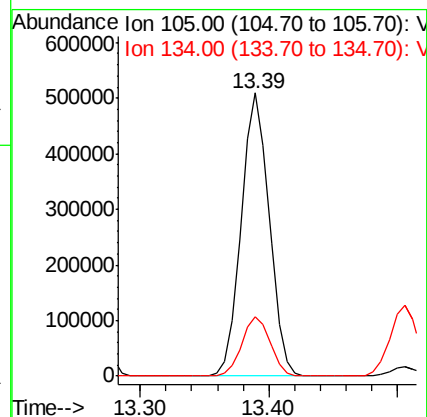
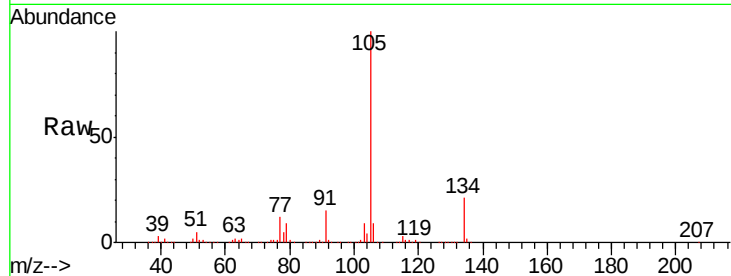
VSTDCCC050

Tgt Ion:105 Resp: 765384

Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.6



#86

p-Isopropyltoluene

Concen: 58.95 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006519.D

Acq: 31 Oct 2018 11:51

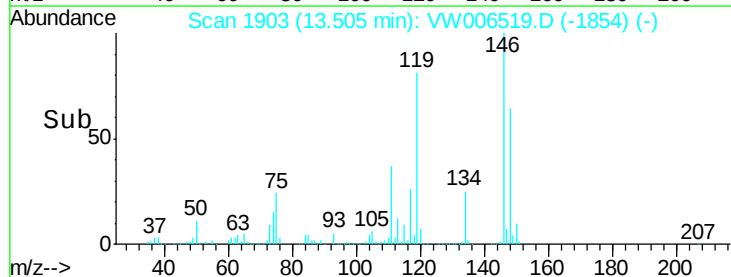
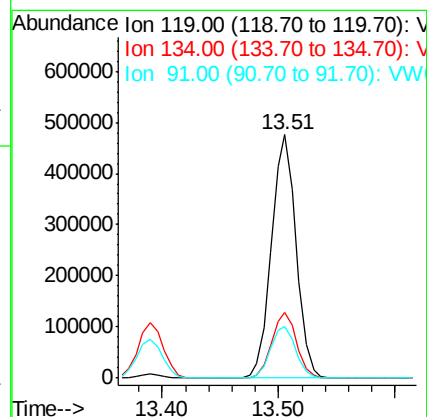
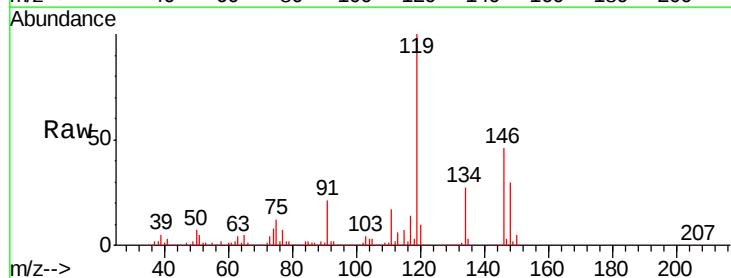
Tgt Ion:119 Resp: 698575

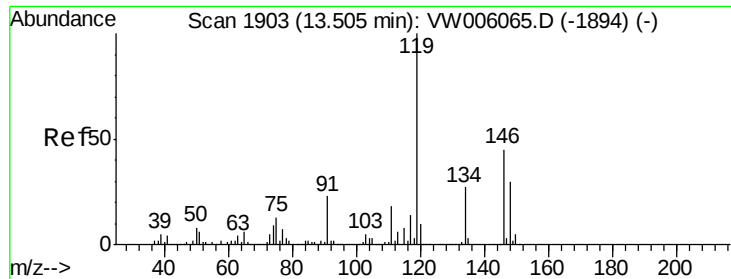
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 21.8 11.4 34.1

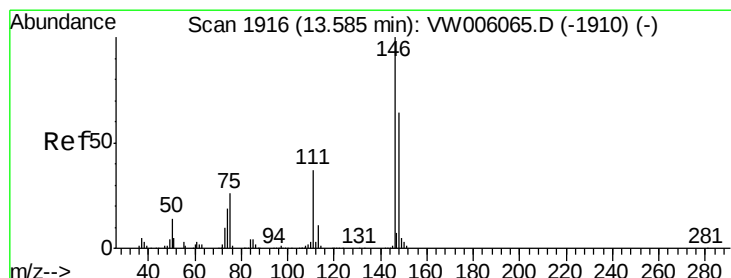
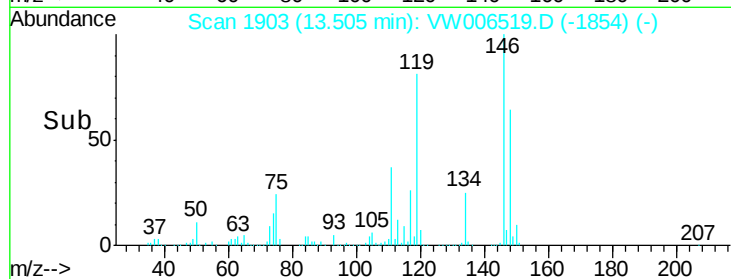
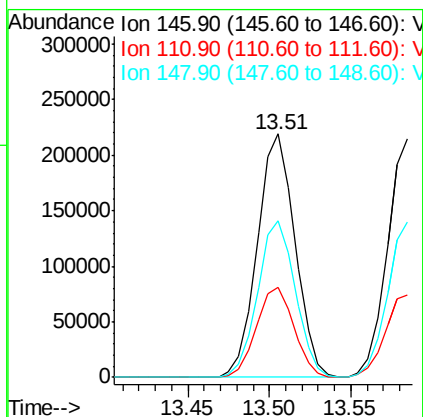
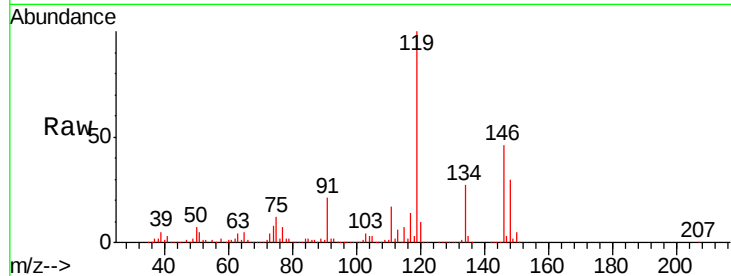




#87
 1,3-Dichlorobenzene
 Concen: 58.44 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

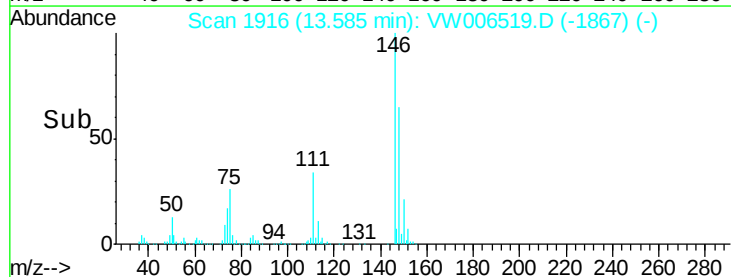
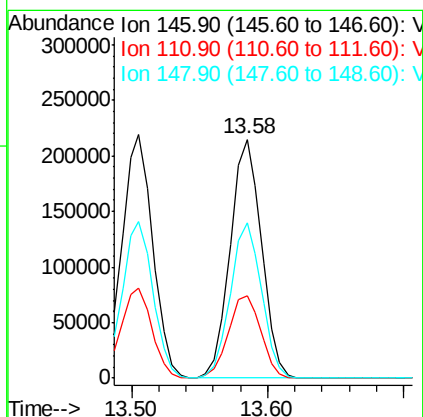
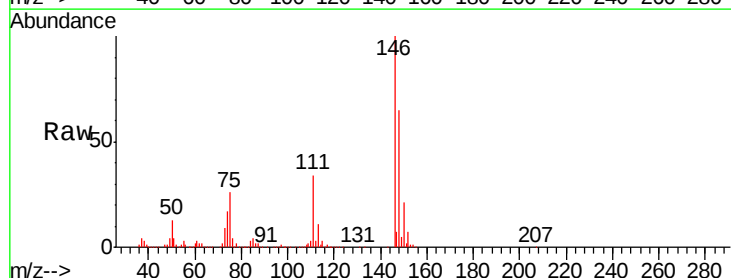
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

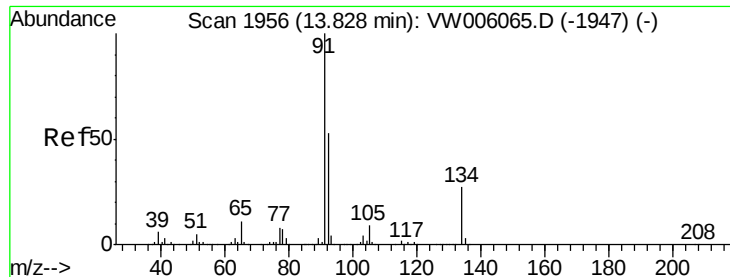
Tgt Ion:146 Resp: 350221
 Ion Ratio Lower Upper
 146 100
 111 37.0 19.1 57.5
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 57.63 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

Tgt Ion:146 Resp: 343875
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.6 56.0
 148 64.4 32.1 96.5

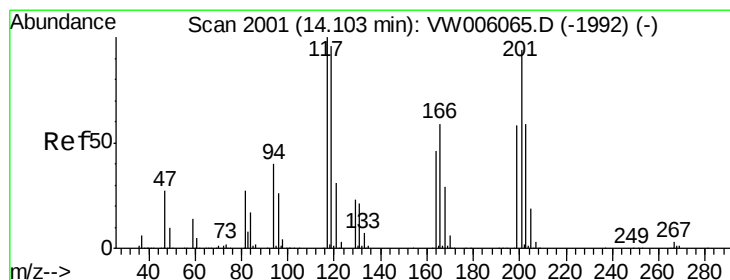
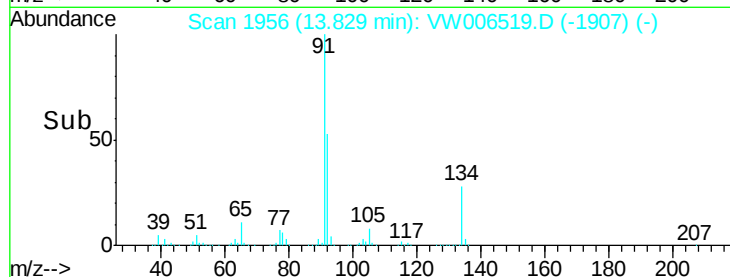
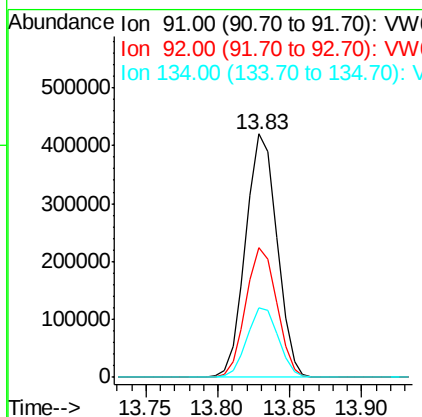
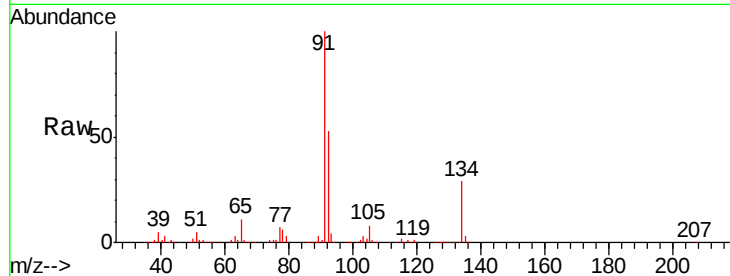




#89
n-Butylbenzene
Concen: 58.33 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

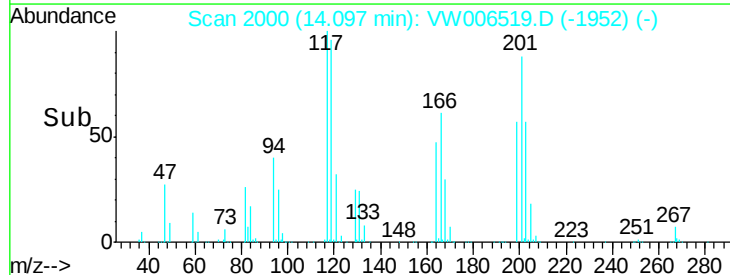
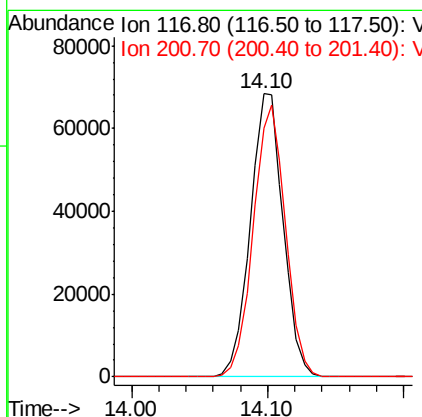
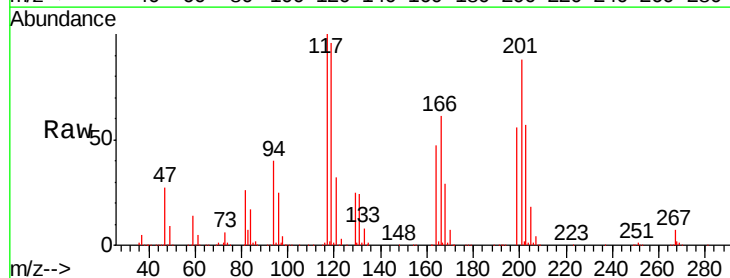
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

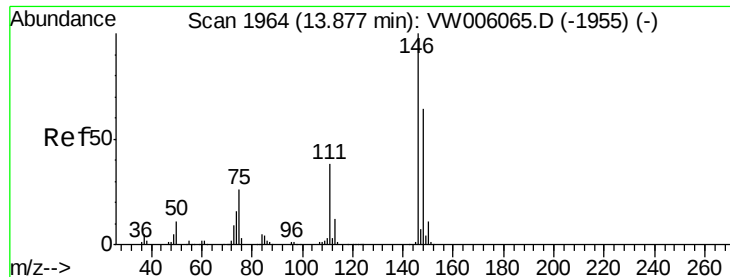
Tgt Ion: 91 Resp: 632119
Ion Ratio Lower Upper
91 100
92 52.8 26.6 79.7
134 28.7 14.0 41.9



#90
Hexachloroethane
Concen: 57.70 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Tgt Ion: 117 Resp: 115805
Ion Ratio Lower Upper
117 100
201 94.0 45.3 135.9

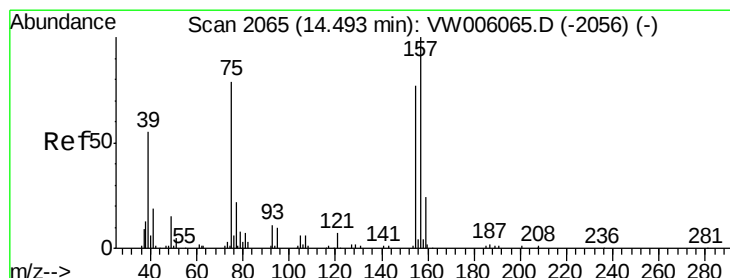
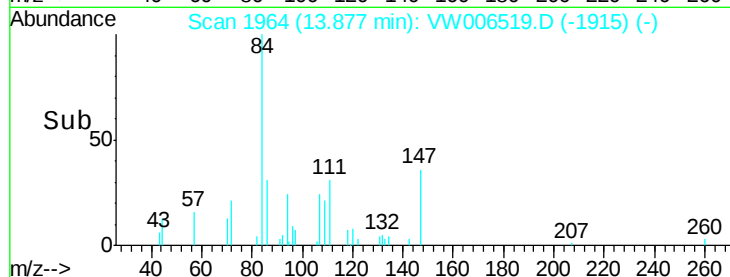
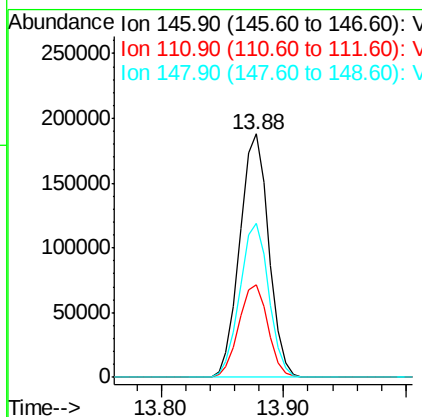
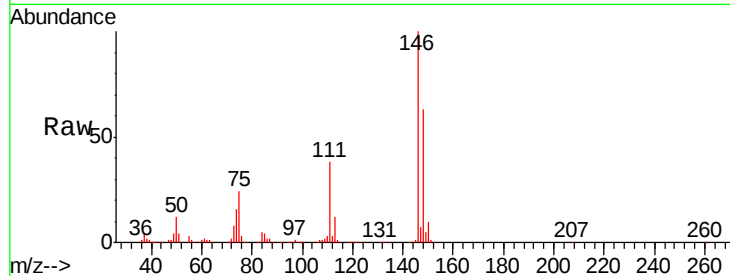




#91
 1,2-Dichlorobenzene
 Concen: 57.58 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

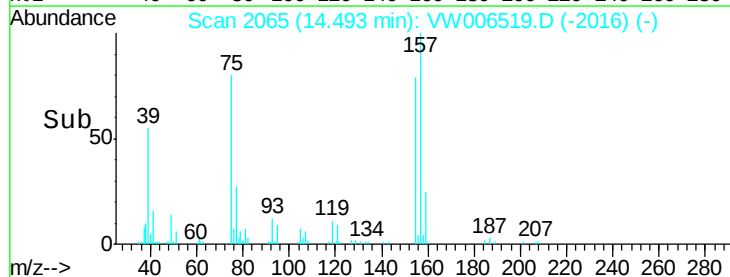
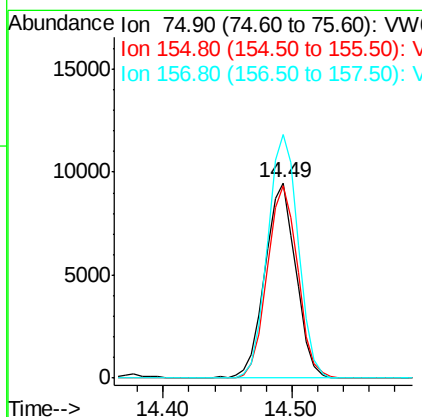
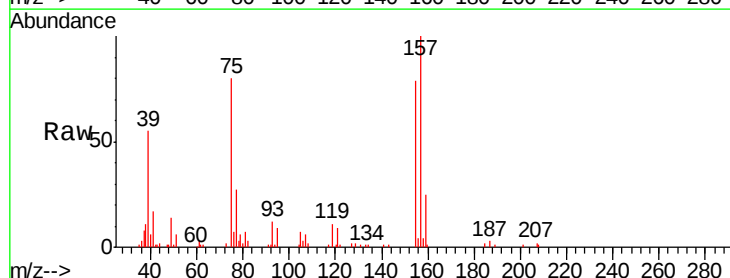
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

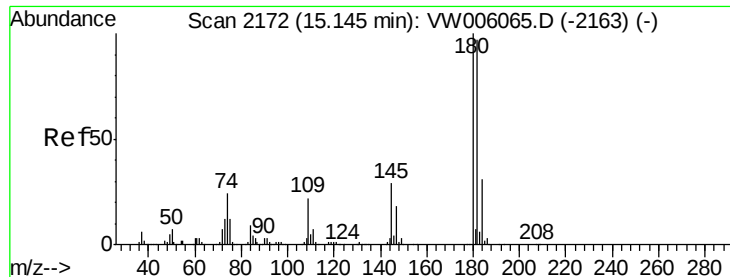
Tgt Ion:146 Resp: 307829
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.6 58.7
 148 63.4 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.12 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

Tgt Ion: 75 Resp: 15776
 Ion Ratio Lower Upper
 75 100
 155 97.7 46.5 139.5
 157 123.7 59.8 179.4

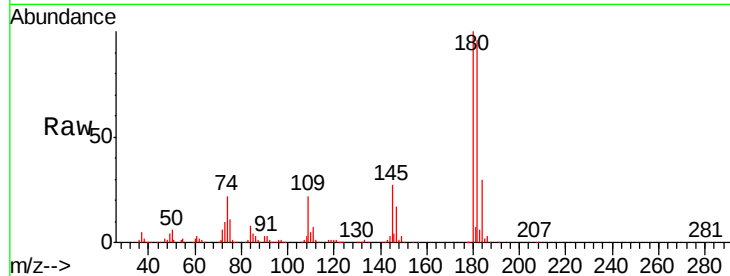




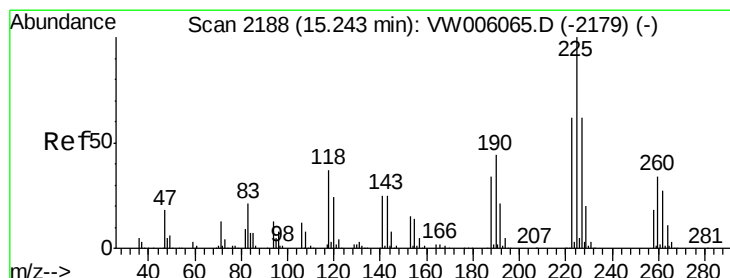
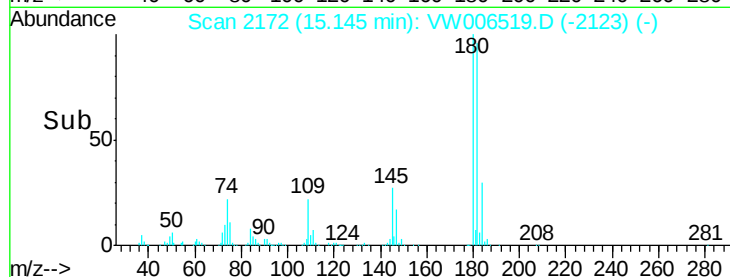
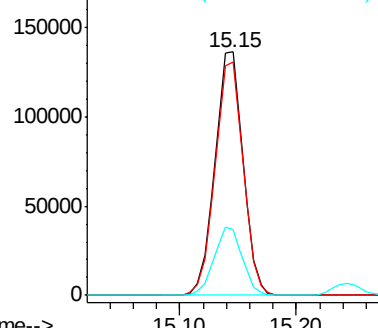
#93
 1,2,4-Trichlorobenzene
 Concen: 56.09 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 230719
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.9 143.6
 145 27.9 14.2 42.8

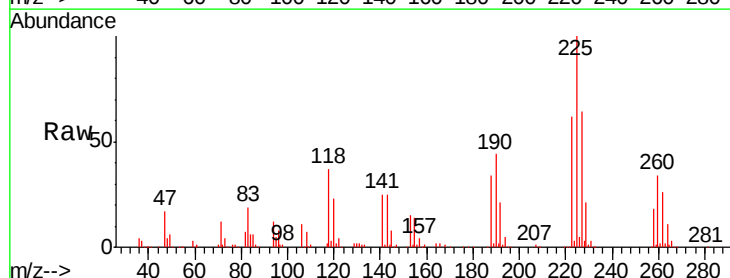


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

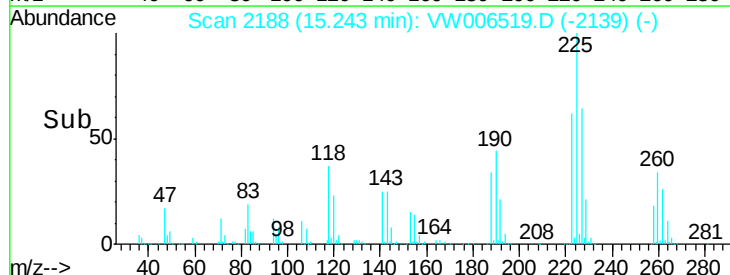
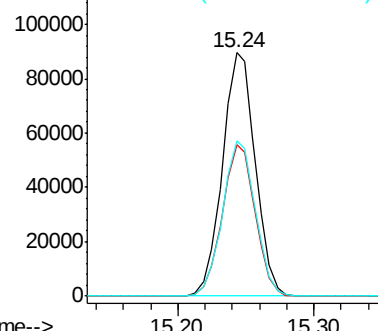


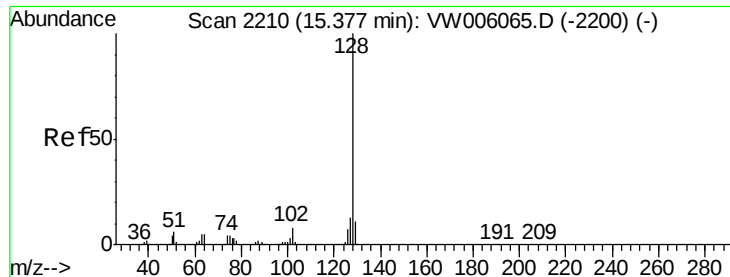
#94
 Hexachlorobutadiene
 Concen: 58.61 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006519.D
 Acq: 31 Oct 2018 11:51

Tgt Ion:225 Resp: 151434
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.1 93.5
 227 63.7 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

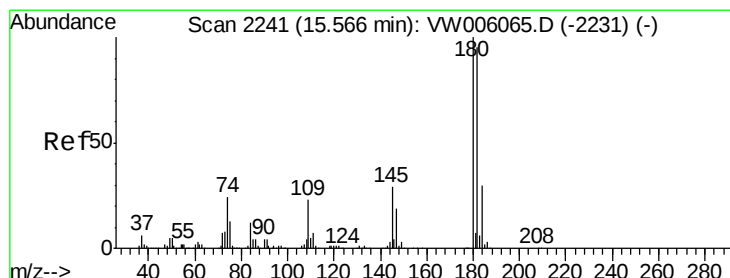
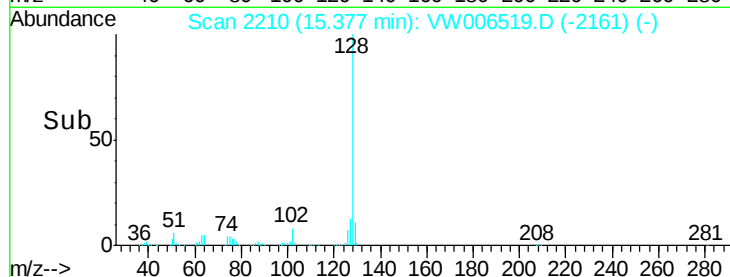
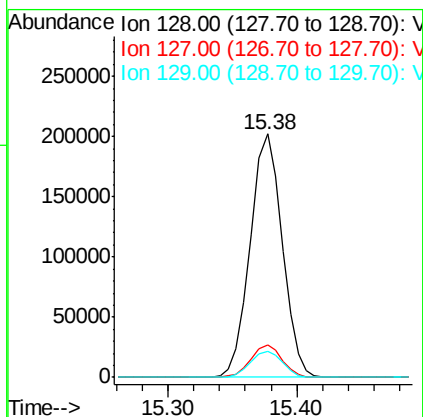
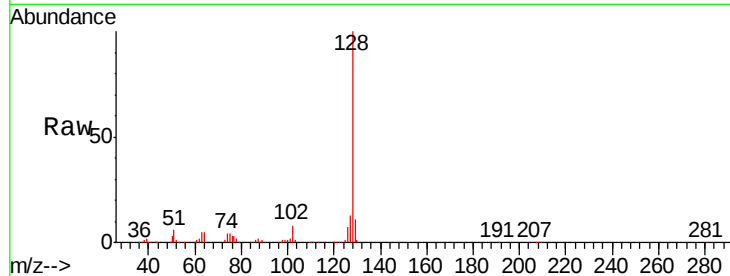




#95
Naphthalene
Concen: 50.74 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 347175
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.58 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006519.D
Acq: 31 Oct 2018 11:51

Tgt Ion:180 Resp: 194171
Ion Ratio Lower Upper
180 100
182 96.5 47.8 143.3
145 30.0 15.0 45.1

