

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002549.D
 Acq On : 15 May 2018 13:28
 Operator : JC/SY
 Sample : VW0515SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS02

Quant Time: May 16 05:42:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	241047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	347274	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	317809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	172855	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	114138	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
35) Dibromofluoromethane	7.88	113	106665	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.33	98	423146	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.63	95	147470	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	15716	16.90	ug/l	100
3) Chloromethane	2.21	50	34255	19.25	ug/l	94
4) Vinyl Chloride	2.36	62	52575	18.84	ug/l	95
5) Bromomethane	2.77	94	45335	19.82	ug/l	95
6) Chloroethane	2.92	64	38737	20.17	ug/l	97
7) Trichlorofluoromethane	3.24	101	24201	19.69	ug/l	96
8) Diethyl Ether	3.67	74	27803	18.90	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	41288	20.27	ug/l	99
10) Methyl Iodide	4.26	142	62904	19.38	ug/l	99
11) Tert butyl alcohol	5.19	59	16888	88.20	ug/l	99
12) 1,1-Dichloroethene	4.03	96	40441	20.06	ug/l	96
13) Acrolein	3.89	56	16288	86.35	ug/l	90
14) Allyl chloride	4.65	41	57651	19.27	ug/l	100
15) Acrylonitrile	5.37	53	46403	87.47	ug/l	99
16) Acetone	4.12	43	57621	109.57	ug/l	98
17) Carbon Disulfide	4.36	76	112645	20.30	ug/l	99
18) Methyl Acetate	4.67	43	23237	15.16	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	67129	18.12	ug/l	99
20) Methylene Chloride	4.92	84	42201	18.43	ug/l	95
21) trans-1,2-Dichloroethene	5.40	96	43257	19.85	ug/l	99
22) Diisopropyl ether	6.31	45	122166	18.43	ug/l	96
23) Vinyl Acetate	6.25	43	374401	93.21	ug/l	100
24) 1,1-Dichloroethane	6.20	63	76466	19.14	ug/l	98
25) 2-Butanone	7.17	43	67931	91.35	ug/l	100
26) 1,2-Dichloropropane	7.17	77	46394	20.73	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	47181	18.97	ug/l	98
28) Bromochloromethane	7.51	49	33427	18.75	ug/l	99
29) Tetrahydrofuran	7.53	42	39814	85.71	ug/l	98
30) Chloroform	7.67	83	80582	18.89	ug/l	97
31) Cyclohexane	7.95	56	69320	19.59	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	62048	19.29	ug/l	98
36) 1,1-Dichloropropene	8.08	75	62951	20.54	ug/l	100
37) Ethyl Acetate	7.25	43	26904	17.70	ug/l	98
38) Carbon Tetrachloride	8.06	117	61008	20.33	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73026	20.80	ug/l	99
40) Benzene	8.32	78	175228	19.91	ug/l	98
41) Methacrylonitrile	7.49	41	15429	18.14	ug/l	96
42) 1,2-Dichloroethane	8.40	62	53206	19.04	ug/l	99
43) Isopropyl Acetate	8.43	43	53343	18.25	ug/l	99
44) Trichloroethene	9.09	130	48298	20.03	ug/l	98
45) 1,2-Dichloropropane	9.37	63	43709	19.49	ug/l	98
46) Dibromomethane	9.46	93	24104	18.89	ug/l	98
47) Bromodichloromethane	9.65	83	57872	19.45	ug/l	96
48) Methyl methacrylate	9.44	41	25075	17.70	ug/l	99
49) 1,4-Dioxane	9.45	88	7631	358.89	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	142244	88.62	ug/l	99
52) Toluene	10.39	92	114305	20.55	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	57969	19.27	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	66725	19.89	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	32944	18.33	ug/l	96
56) Ethyl methacrylate	10.65	69	39952	18.24	ug/l	99
57) 1,3-Dichloropropane	10.94	76	56235	18.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	101072	93.99	ug/l	99
59) 2-Hexanone	10.98	43	103575	93.47	ug/l	96
60) Dibromochloromethane	11.13	129	39594	18.67	ug/l	98
61) 1,2-Dibromoethane	11.24	107	32649	18.82	ug/l	98
64) Tetrachloroethene	10.87	164	41771	18.65	ug/l	97
65) Chlorobenzene	11.66	112	126514	19.99	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	45304	19.99	ug/l	99
67) Ethyl Benzene	11.74	91	216974	20.17	ug/l	99
68) m/p-Xylenes	11.85	106	170727	40.82	ug/l	100
69) o-Xylene	12.18	106	79255	19.94	ug/l	98
70) Styrene	12.19	104	128475	19.42	ug/l	99
71) Bromoform	12.36	173	23977	18.01	ug/l #	99
73) Isopropylbenzene	12.48	105	218902	20.54	ug/l	100
74) N-amyl acetate	12.28	43	49583	18.27	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	39937	18.50	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	51567	31.56	ug/l #	100
77) Bromobenzene	12.76	156	54539	20.06	ug/l	96
78) n-propylbenzene	12.82	91	269964	20.98	ug/l	99
79) 2-Chlorotoluene	12.90	91	149771	20.50	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	187354	20.60	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11497	19.18	ug/l	97
82) 4-Chlorotoluene	13.00	91	160033	20.25	ug/l	100
83) tert-Butylbenzene	13.22	119	162465	20.69	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	194861	20.64	ug/l	99
85) sec-Butylbenzene	13.40	105	236956	21.00	ug/l	100
86) p-Isopropyltoluene	13.51	119	210568	20.75	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	109192	19.86	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	109407	20.00	ug/l	99
89) n-Butylbenzene	13.83	91	201075	20.95	ug/l	99
90) Hexachloroethane	14.11	117	36013	19.82	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	98131	19.67	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	7316	19.21	ug/l	91

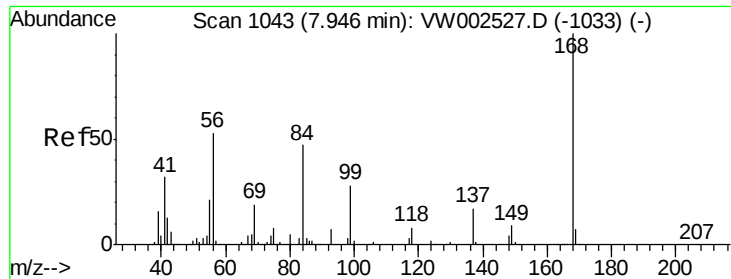
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	73158	20.14	ug/l	99
94) Hexachlorobutadiene	15.26	225	42516	21.04	ug/l	98
95) Naphthalene	15.38	128	123698	18.73	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	65113	20.04	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

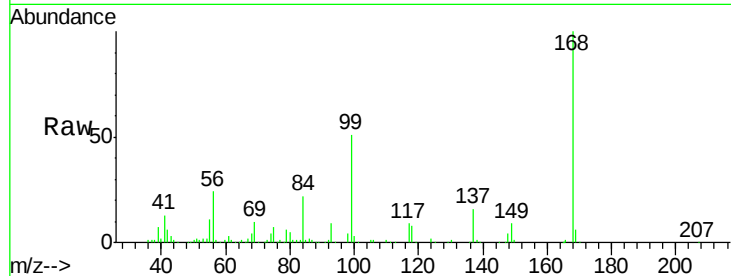
VW0515SBS02

Tgt Ion:168 Resp: 241047

Ion Ratio Lower Upper

168 100

99 50.7 42.6 64.0



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

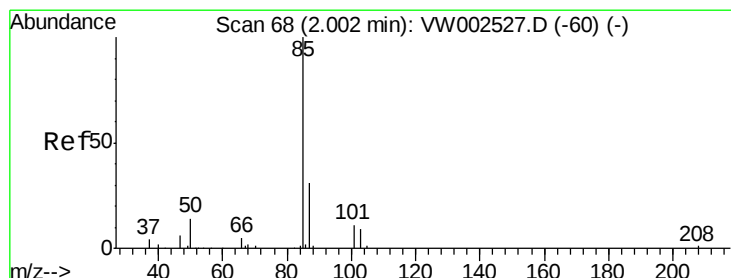
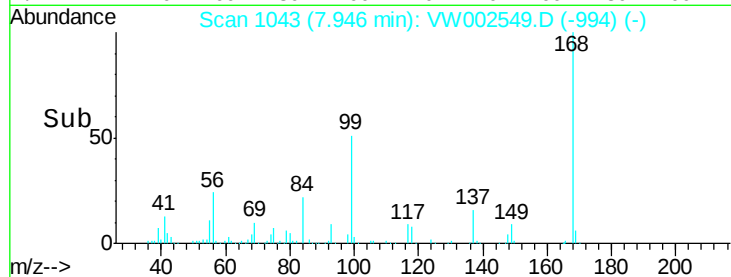
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 16.90 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW002549.D

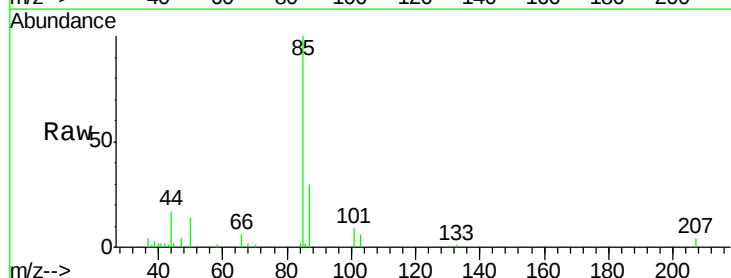
Acq: 15 May 2018 13:28

Tgt Ion: 85 Resp: 15716

Ion Ratio Lower Upper

85 100

87 30.5 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

4000

2000

0

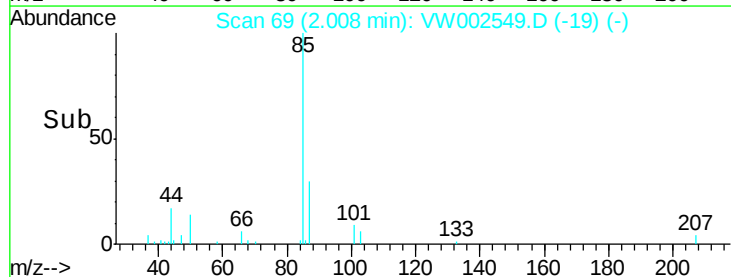
1.95

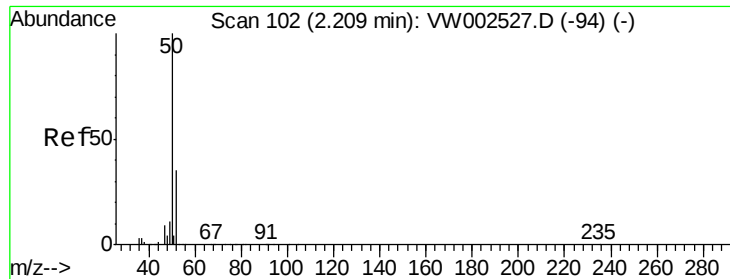
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 19.25 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

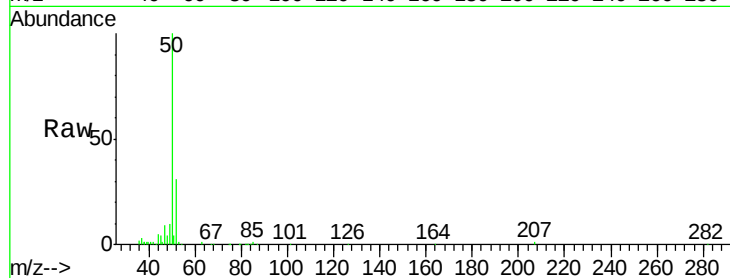
VW0515SBS02

Tgt Ion: 50 Resp: 34255

Ion Ratio Lower Upper

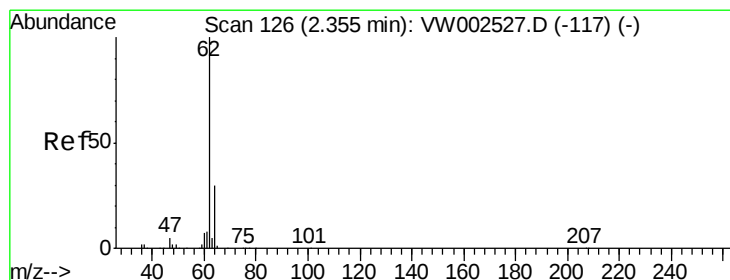
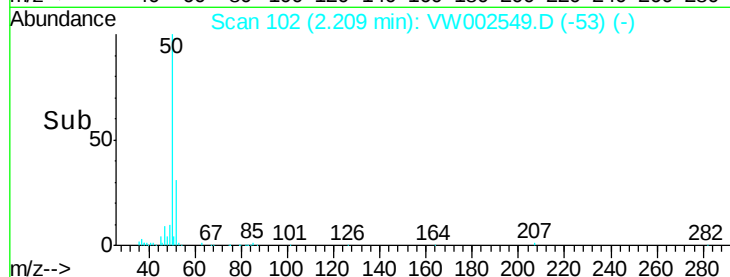
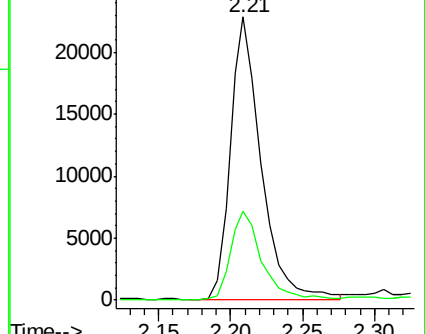
50 100

52 31.3 27.8 41.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 18.84 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002549.D

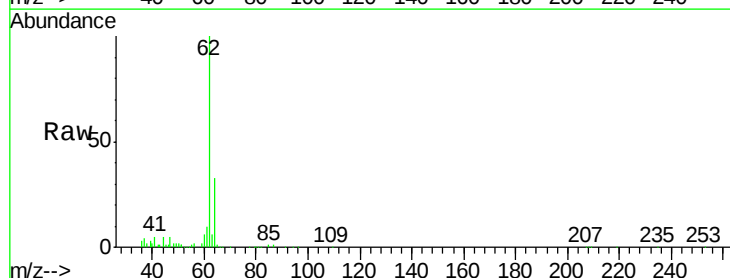
Acq: 15 May 2018 13:28

Tgt Ion: 62 Resp: 52575

Ion Ratio Lower Upper

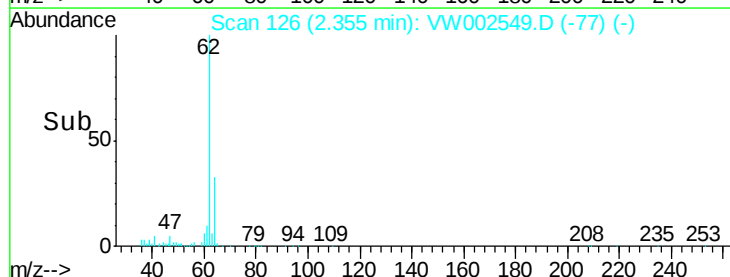
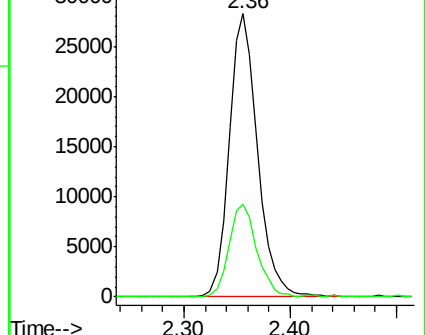
62 100

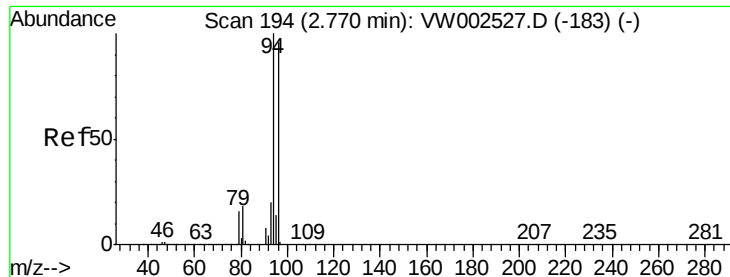
64 32.6 24.0 36.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 19.82 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

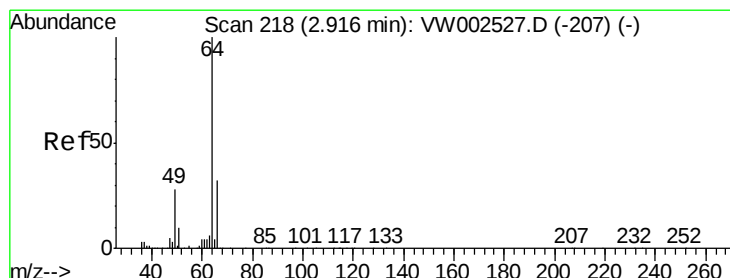
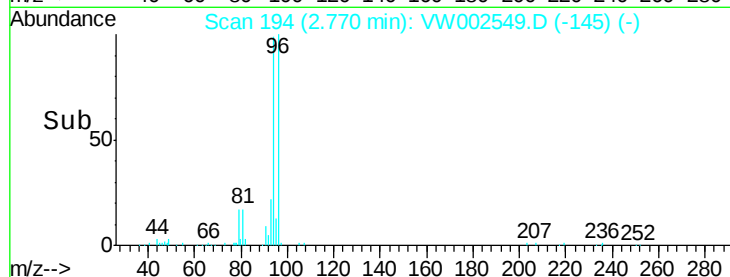
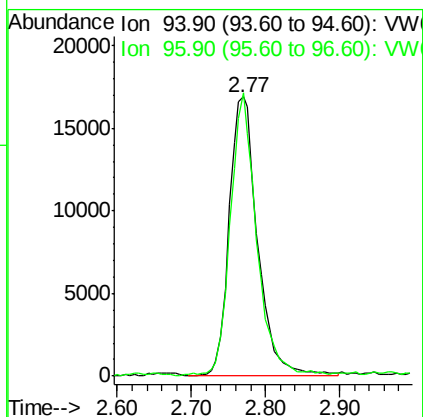
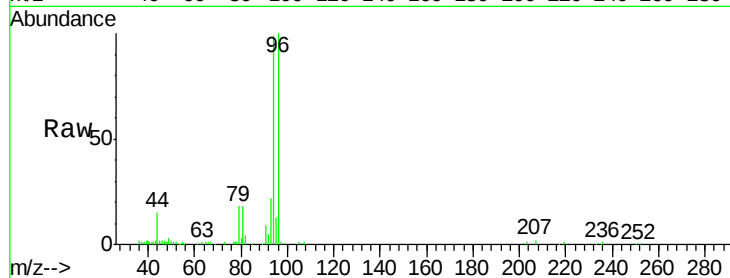
VW0515SBS02

Tgt Ion: 94 Resp: 45335

Ion Ratio Lower Upper

94 100

96 100.6 77.0 115.4



#6

Chloroethane

Concen: 20.17 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW002549.D

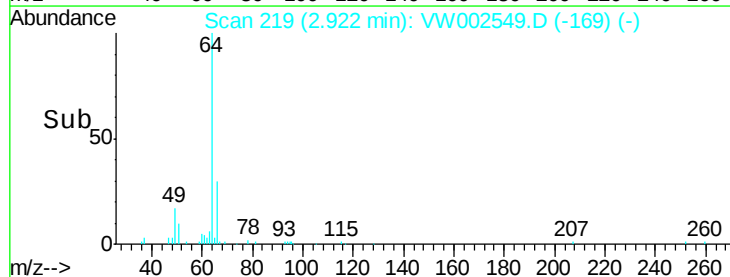
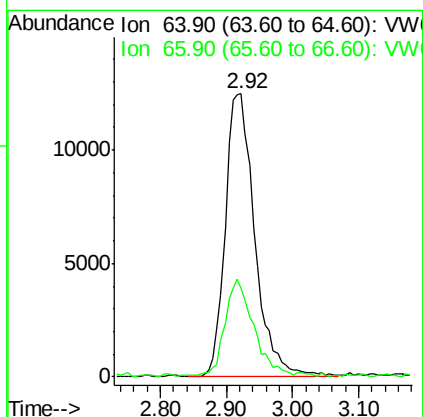
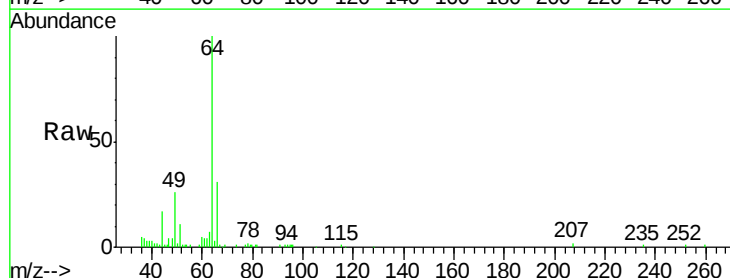
Acq: 15 May 2018 13:28

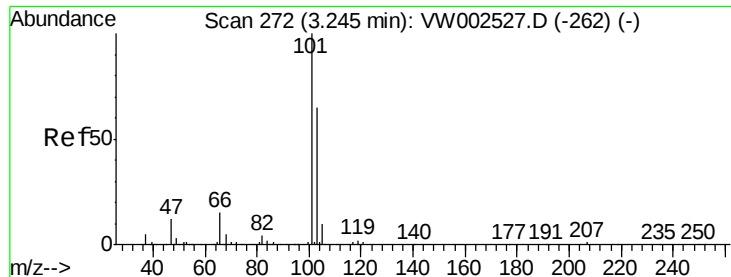
Tgt Ion: 64 Resp: 38737

Ion Ratio Lower Upper

64 100

66 30.9 25.8 38.8



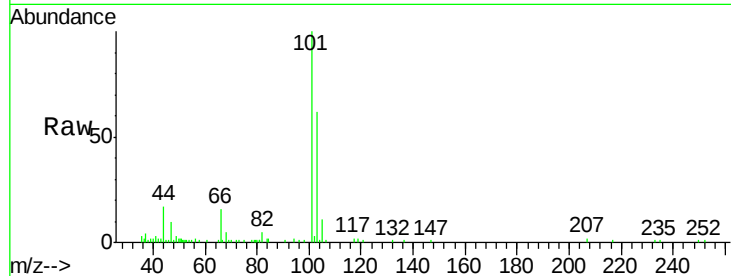


#7

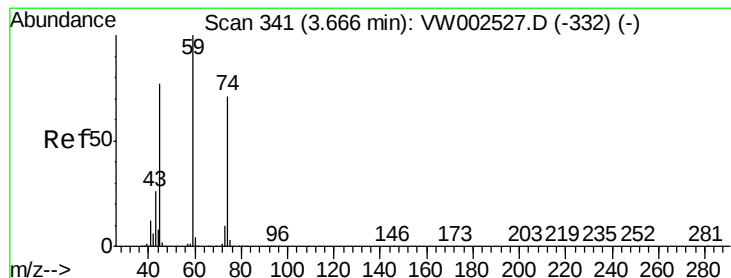
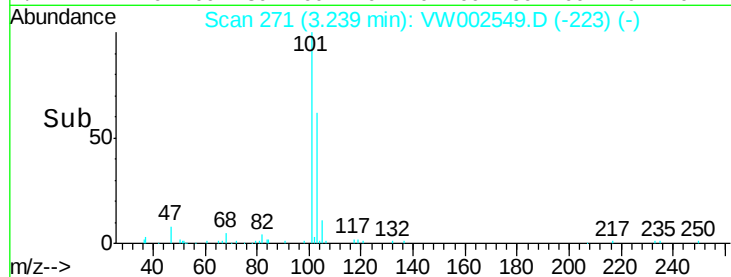
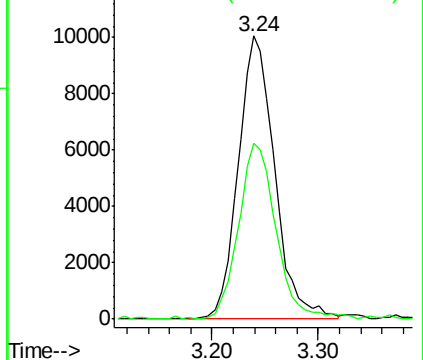
Trichlorofluoromethane
 Concen: 19.69 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS02

Tgt Ion:101 Resp: 24201
 Ion Ratio Lower Upper
 101 100
 103 61.3 51.8 77.8



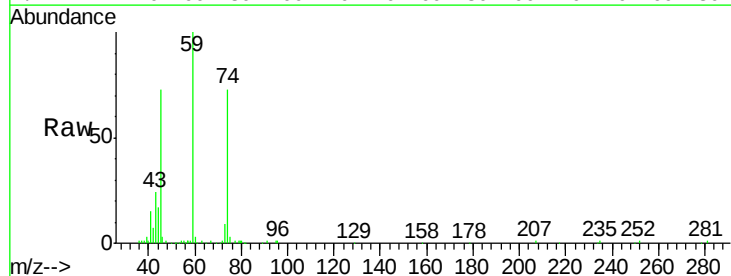
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



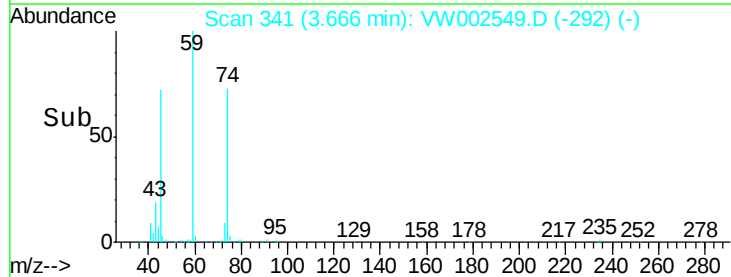
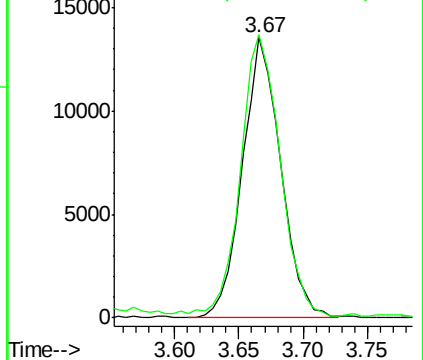
#8

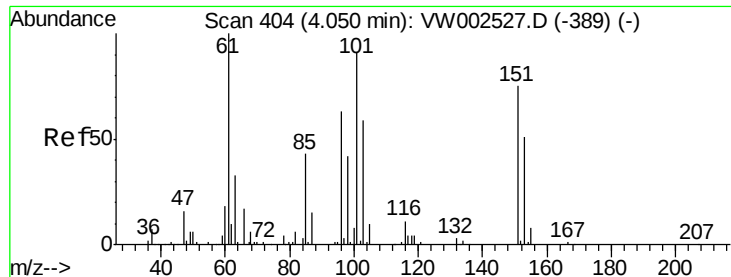
Diethyl Ether
 Concen: 18.90 ug/l
 RT: 3.67 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Tgt Ion: 74 Resp: 27803
 Ion Ratio Lower Upper
 74 100
 45 103.9 52.3 156.8



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.27 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS02

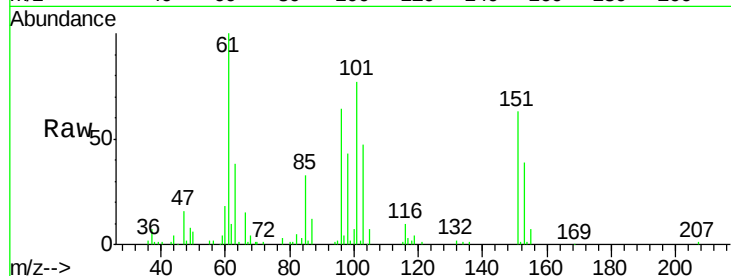
Tgt Ion:101 Resp: 41288

Ion Ratio Lower Upper

101 100

85 44.3 36.5 54.7

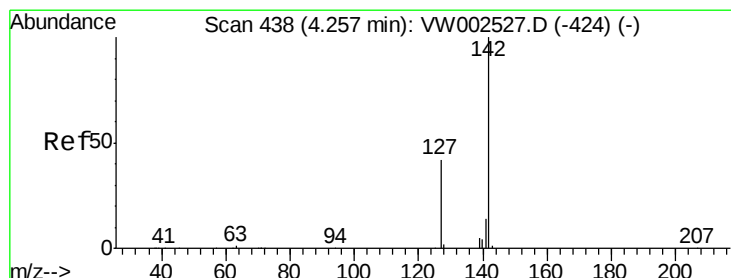
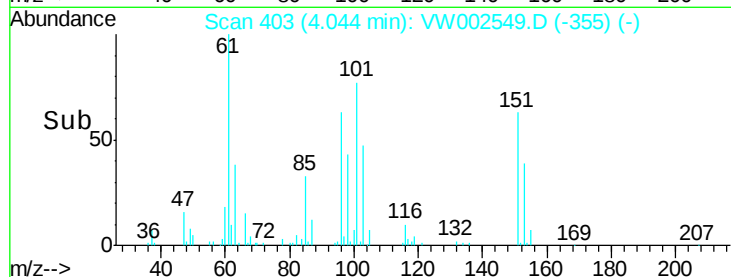
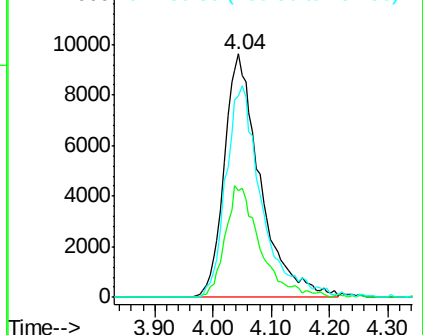
151 84.5 66.7 100.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.38 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

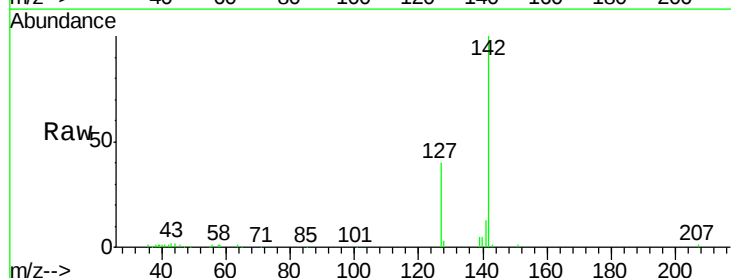
Tgt Ion:142 Resp: 62904

Ion Ratio Lower Upper

142 100

127 42.7 34.6 52.0

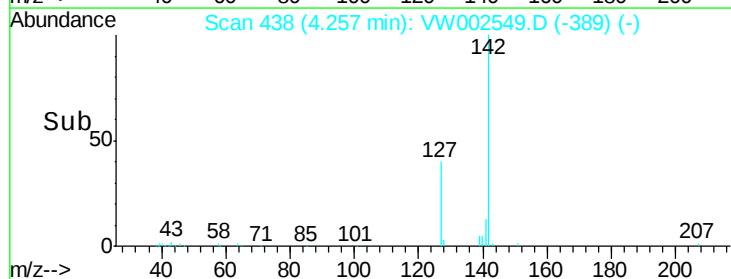
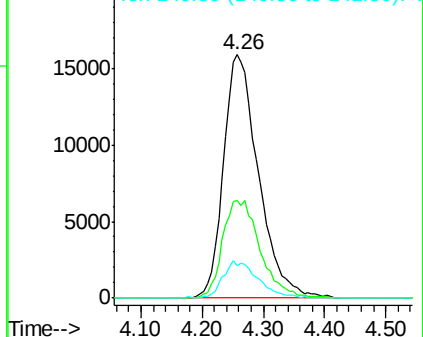
141 15.3 11.8 17.8

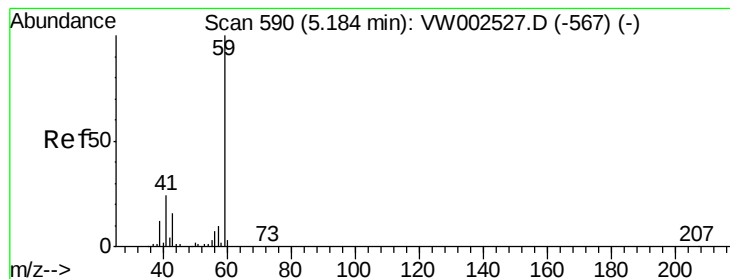


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 88.20 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.01 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

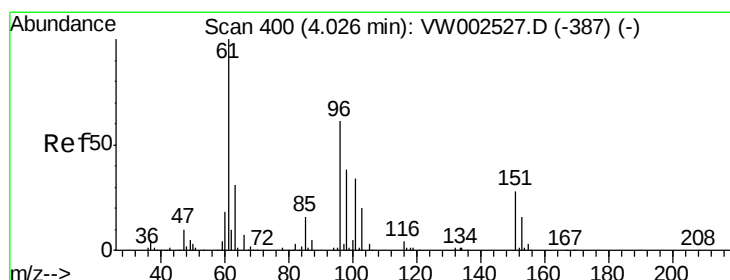
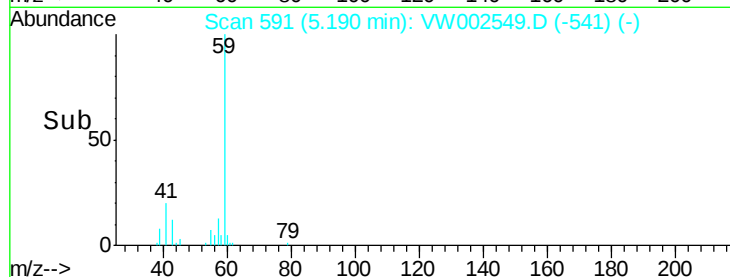
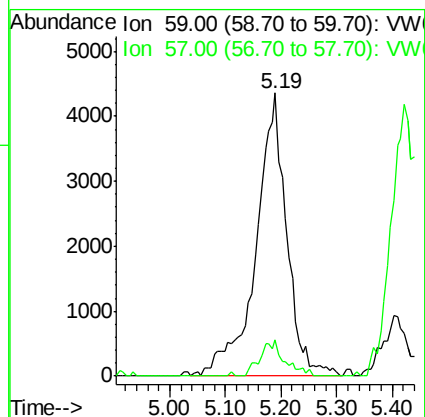
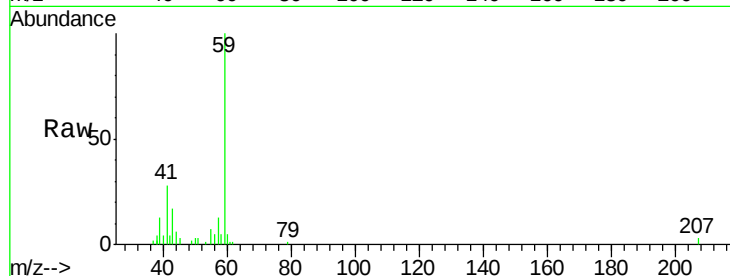
VW0515SBS02

Tgt Ion: 59 Resp: 16888

Ion Ratio Lower Upper

59 100

57 10.0 8.2 12.4



#12

1,1-Dichloroethene

Concen: 20.06 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

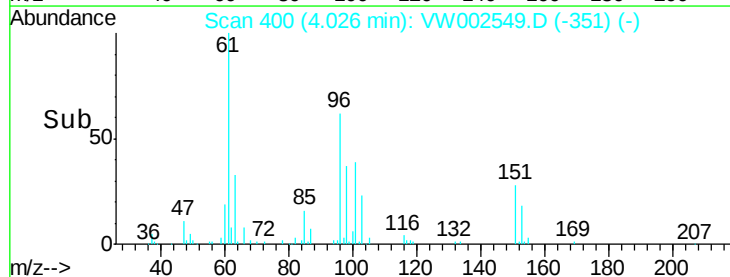
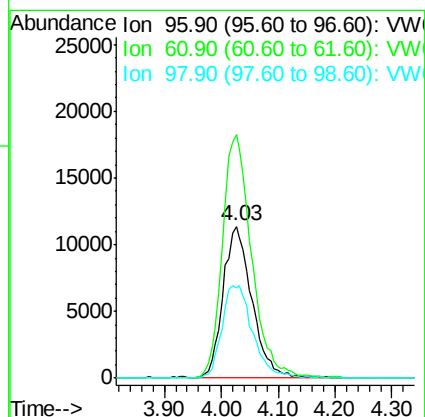
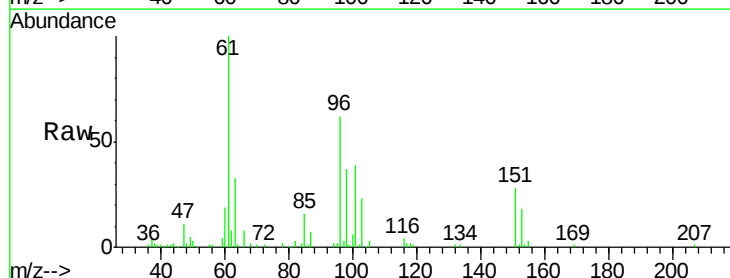
Tgt Ion: 96 Resp: 40441

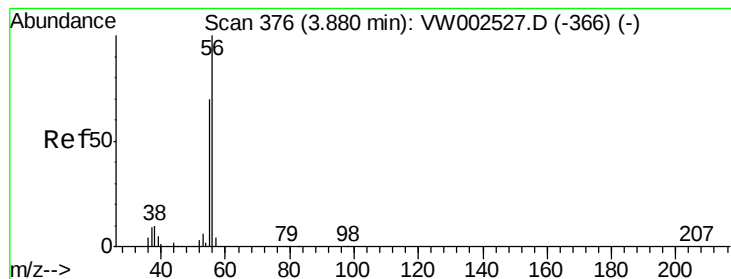
Ion Ratio Lower Upper

96 100

61 160.1 132.2 198.2

98 59.5 50.6 76.0





#13

Acrolein

Concen: 86.35 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

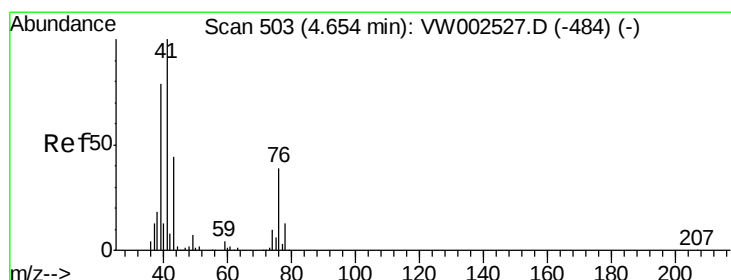
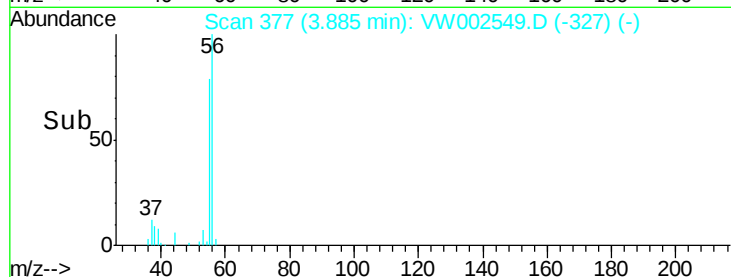
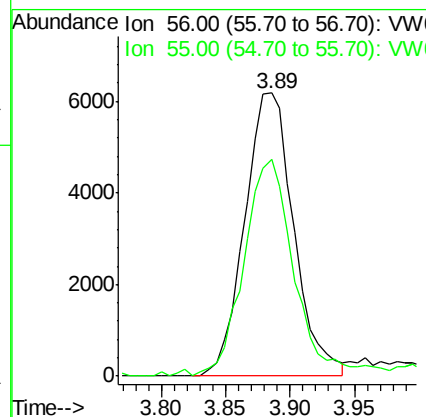
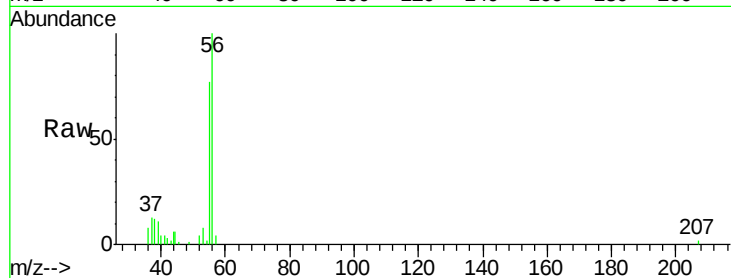
VW0515SBS02

Tgt Ion: 56 Resp: 16288

Ion Ratio Lower Upper

56 100

55 79.1 57.0 85.4



#14

Allyl chloride

Concen: 19.27 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

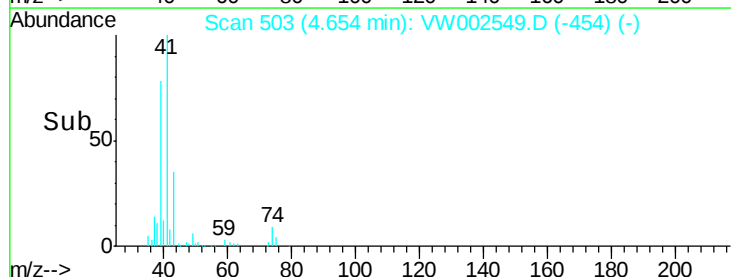
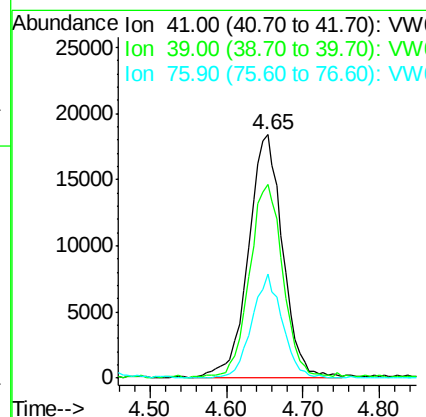
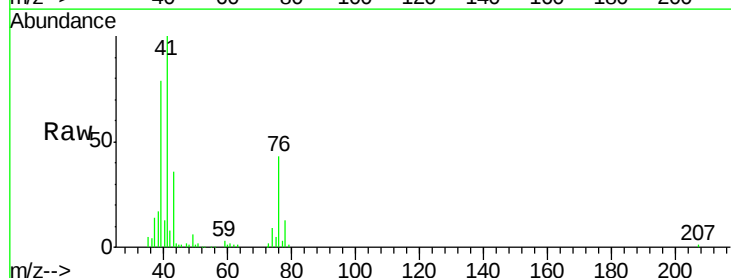
Tgt Ion: 41 Resp: 57651

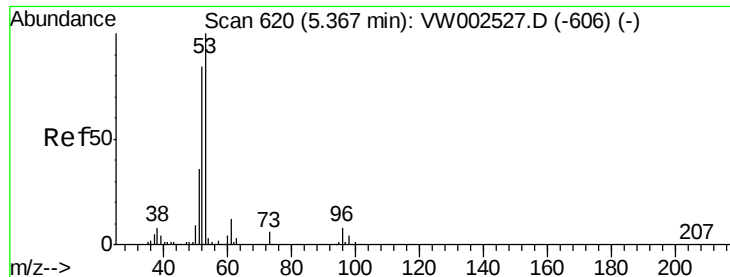
Ion Ratio Lower Upper

41 100

39 76.5 61.4 92.2

76 37.5 29.6 44.4





#15

Acrylonitrile

Concen: 87.47 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS02

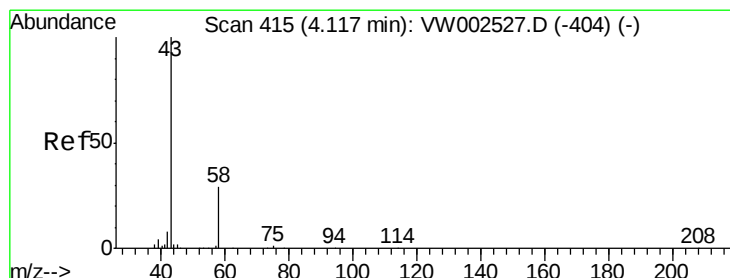
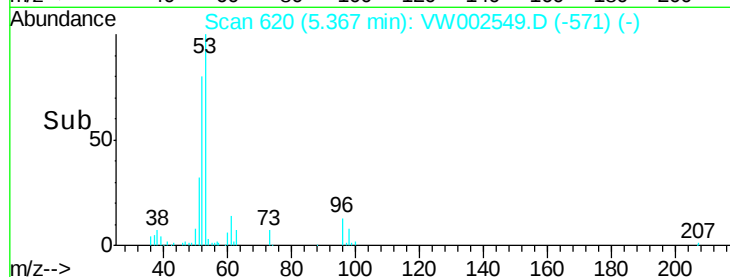
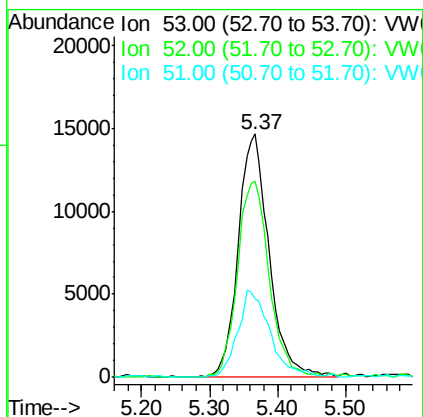
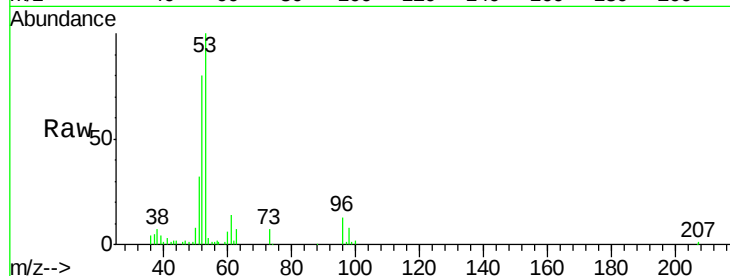
Tgt Ion: 53 Resp: 46403

Ion Ratio Lower Upper

53 100

52 82.5 66.6 100.0

51 37.5 30.6 46.0



#16

Acetone

Concen: 109.57 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.00 min

Lab File: VW002549.D

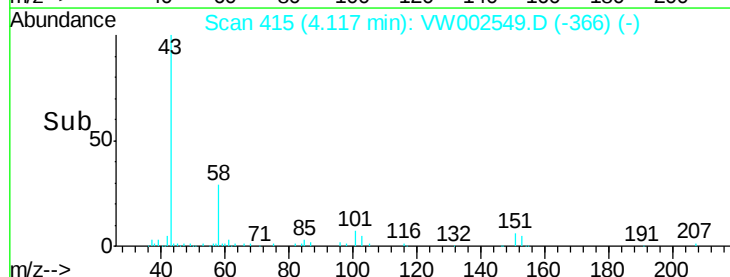
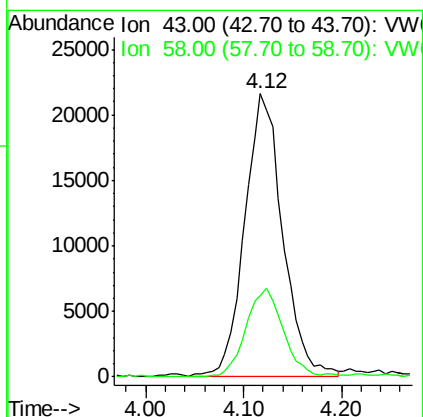
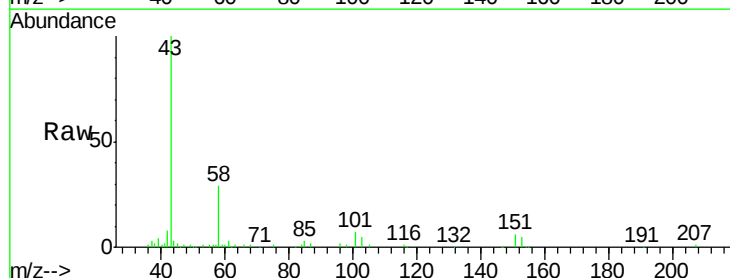
Acq: 15 May 2018 13:28

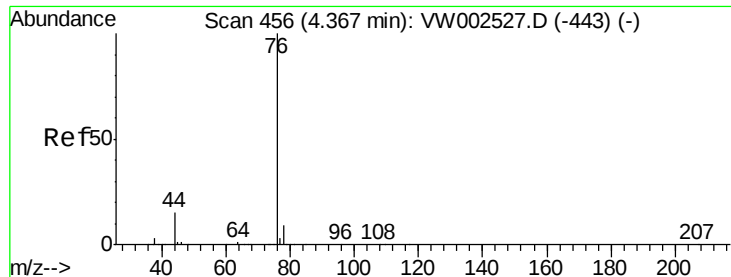
Tgt Ion: 43 Resp: 57621

Ion Ratio Lower Upper

43 100

58 28.3 23.4 35.0

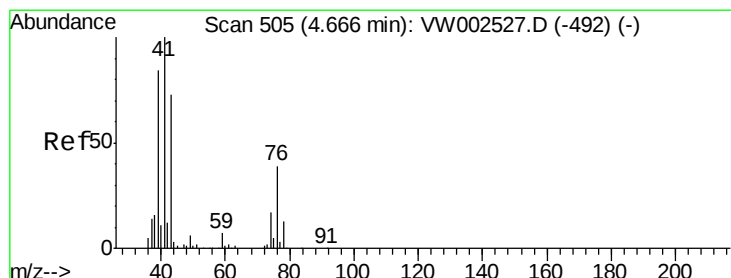
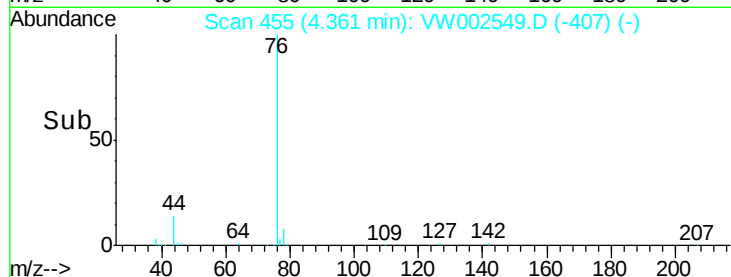
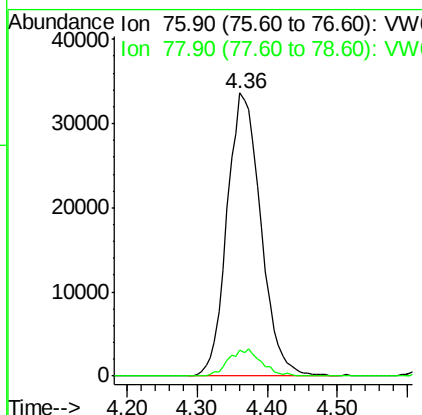
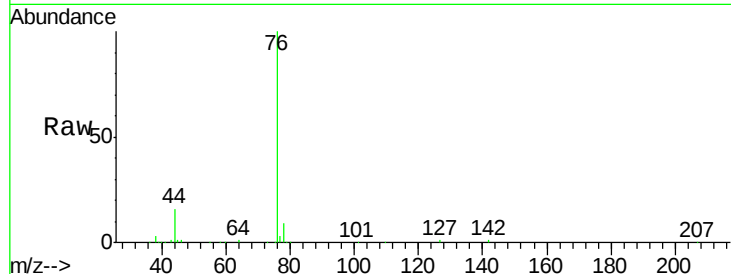




#17
Carbon Disulfide
Concen: 20.30 ug/l
RT: 4.36 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

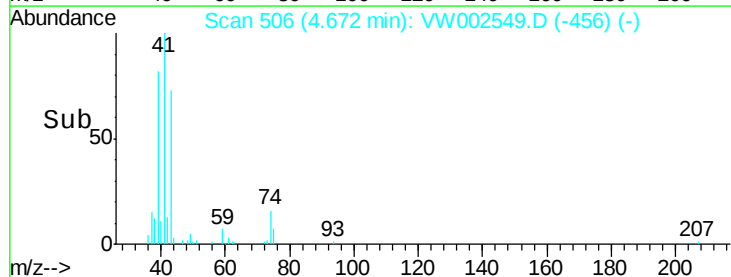
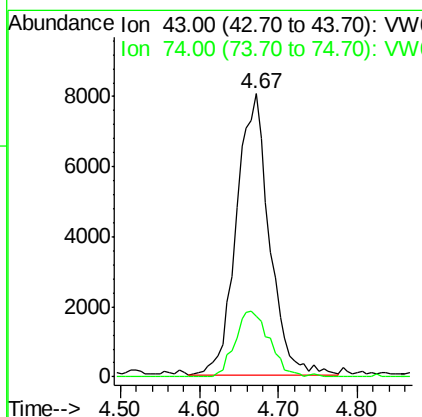
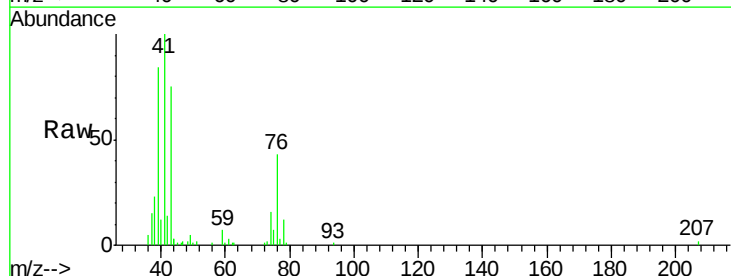
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS02

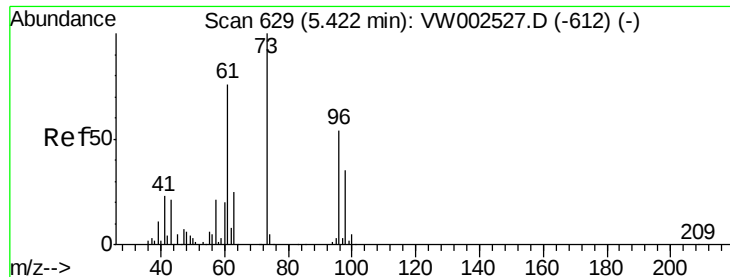
Tgt Ion: 76 Resp: 112645
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#18
Methyl Acetate
Concen: 15.16 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

Tgt Ion: 43 Resp: 23237
Ion Ratio Lower Upper
43 100
74 24.5 19.2 28.8

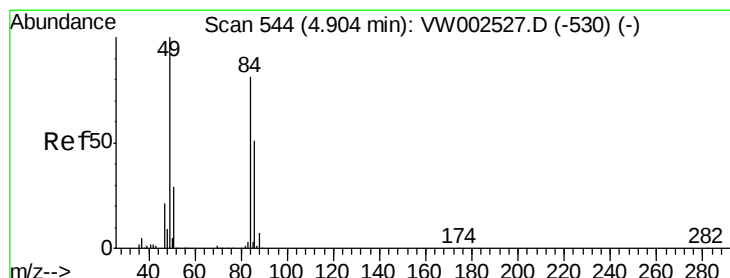
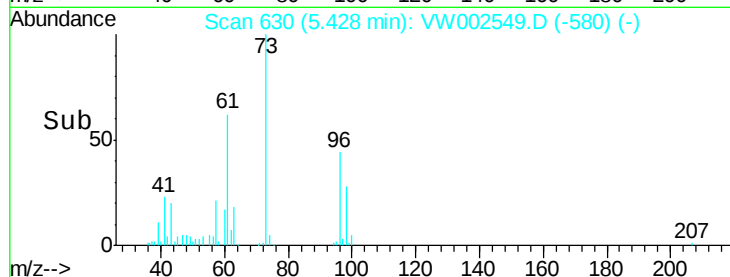
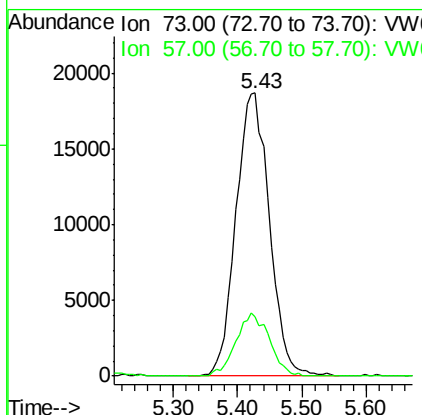
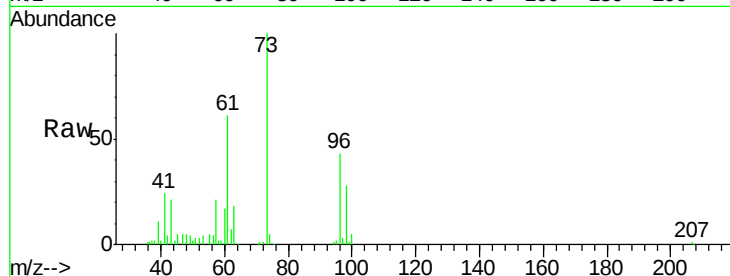




#19
Methyl tert-butyl Ether
Concen: 18.12 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

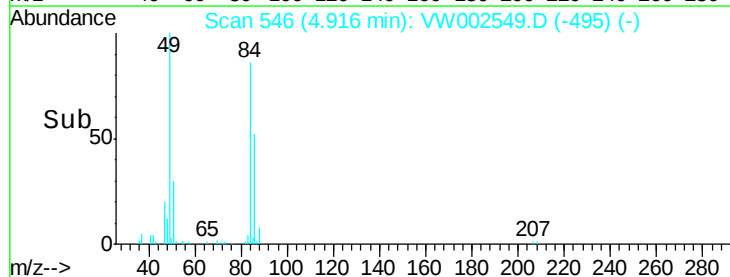
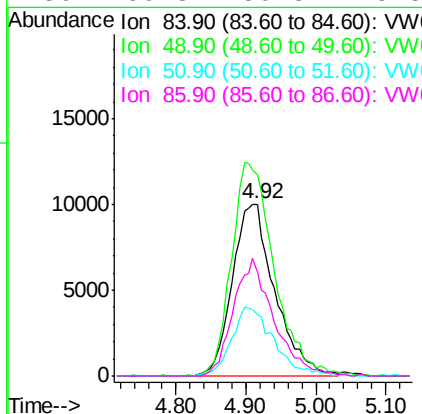
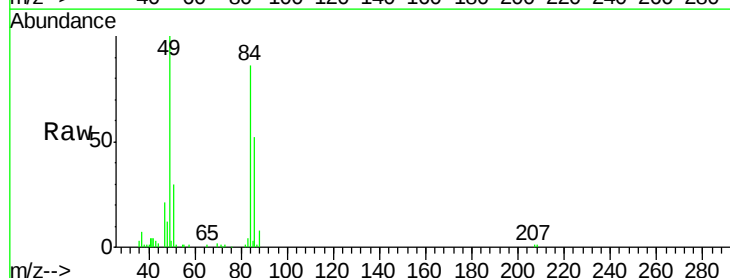
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS02

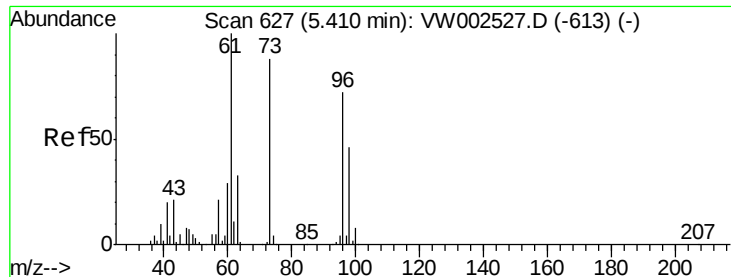
Tgt Ion: 73 Resp: 67129
Ion Ratio Lower Upper
73 100
57 21.0 17.0 25.6



#20
Methylene Chloride
Concen: 18.43 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

Tgt Ion: 84 Resp: 42201
Ion Ratio Lower Upper
84 100
49 116.1 99.4 149.0
51 35.5 29.0 43.6
86 60.3 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 19.85 ug/l

RT: 5.40 min Scan# 626

Delta R.T. -0.01 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS02

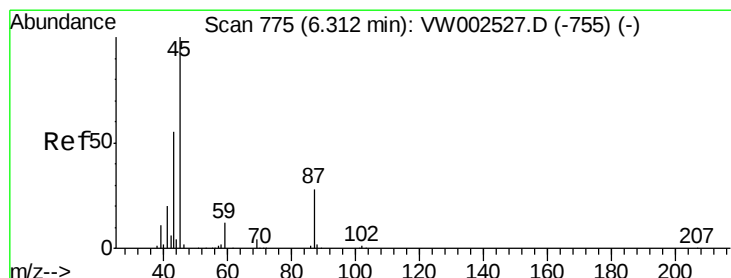
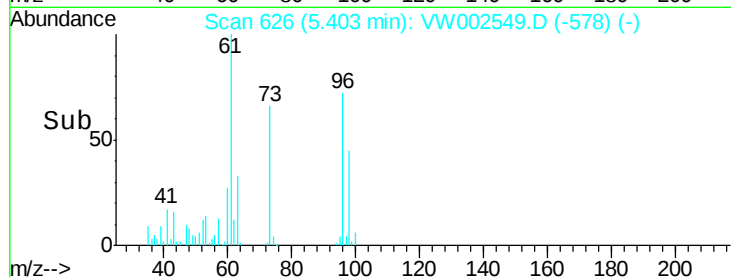
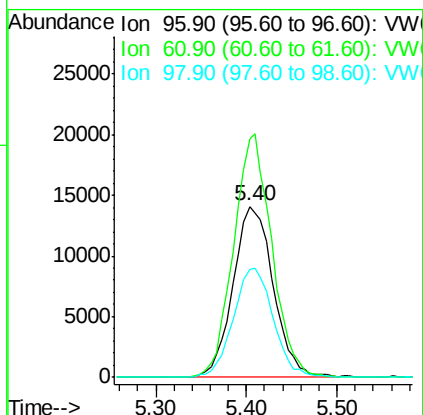
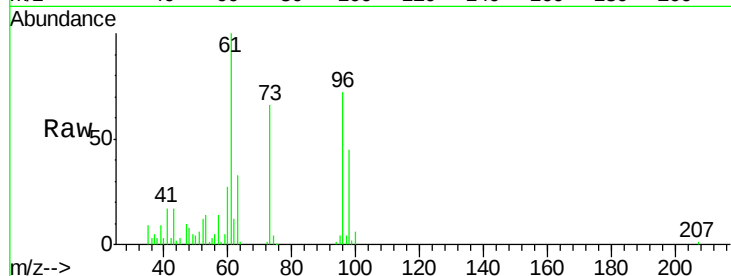
Tgt Ion: 96 Resp: 43257

Ion Ratio Lower Upper

96 100

61 139.5 111.6 167.4

98 62.7 51.7 77.5



#22

Diisopropyl ether

Concen: 18.43 ug/l

RT: 6.31 min Scan# 774

Delta R.T. -0.01 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Tgt Ion: 45 Resp: 122166

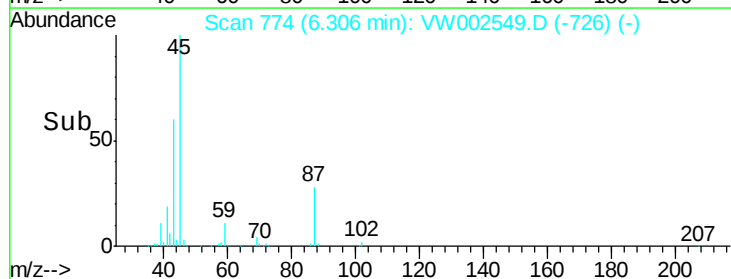
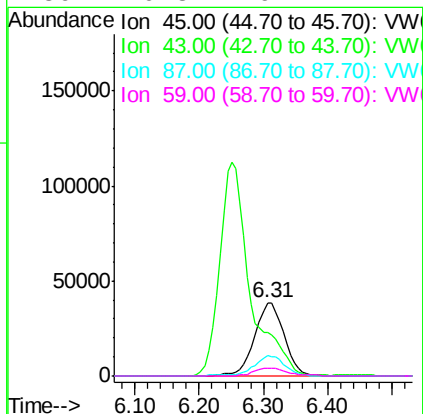
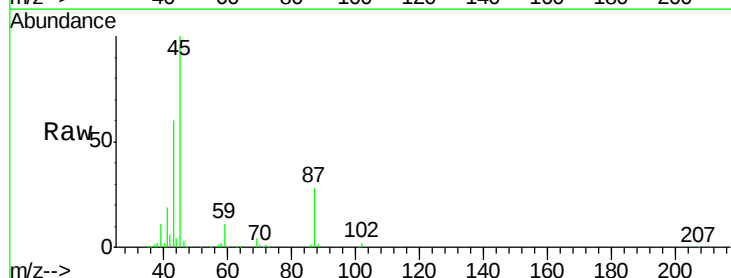
Ion Ratio Lower Upper

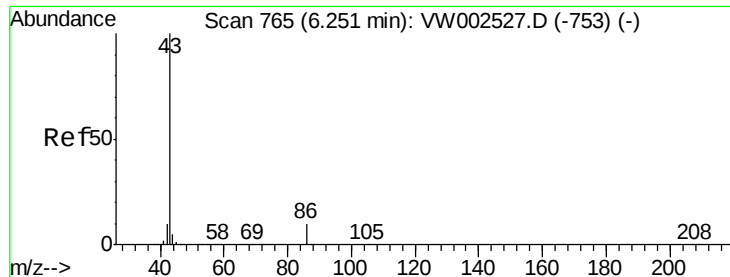
45 100

43 59.6 44.4 66.6

87 28.2 23.0 34.4

59 10.8 9.4 14.2





#23

Vinyl Acetate

Concen: 93.21 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

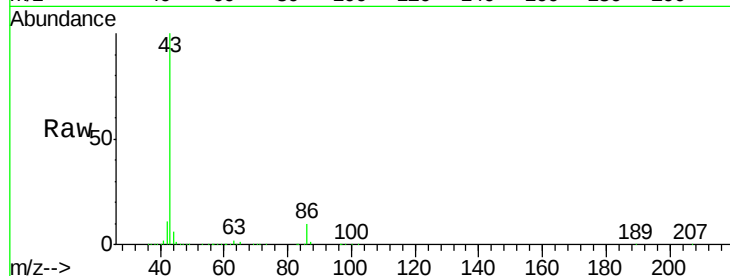
VW0515SBS02

Tgt Ion: 43 Resp: 374401

Ion Ratio Lower Upper

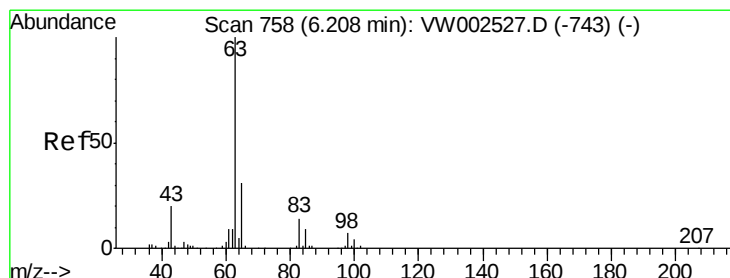
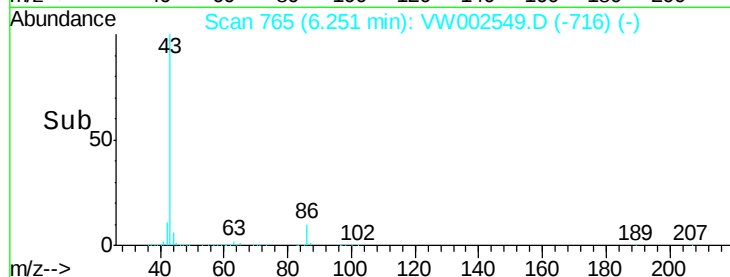
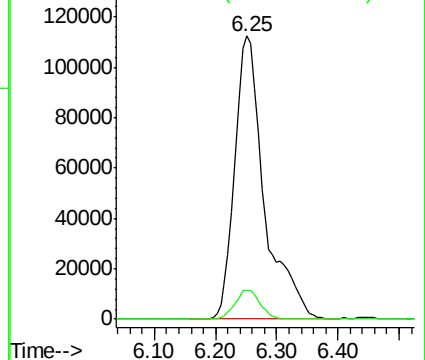
43 100

86 10.0 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.14 ug/l

RT: 6.20 min Scan# 757

Delta R.T. -0.01 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

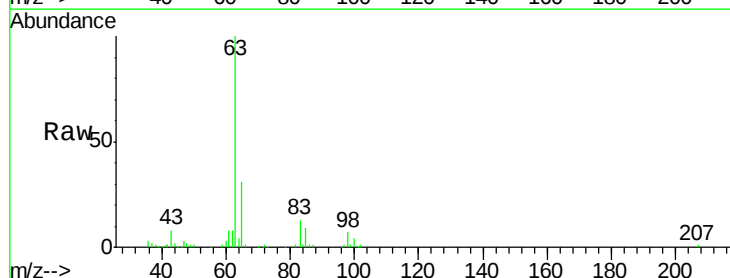
Tgt Ion: 63 Resp: 76466

Ion Ratio Lower Upper

63 100

98 6.7 3.6 10.9

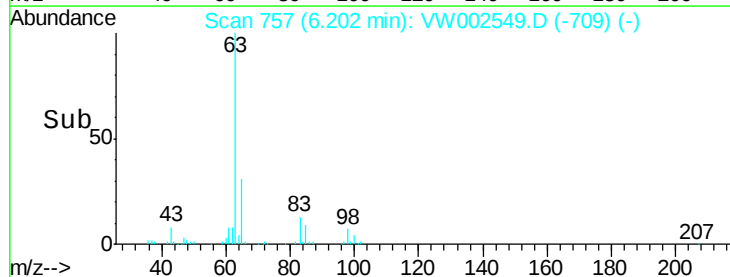
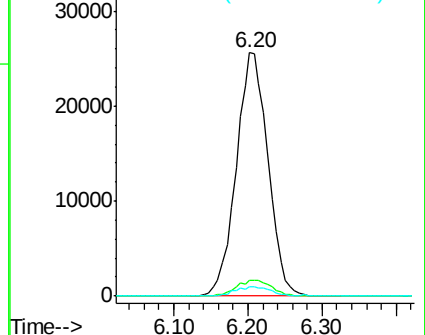
100 3.6 2.1 6.5

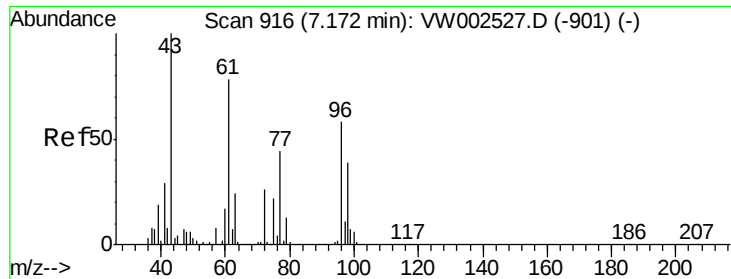


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 91.35 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampled :

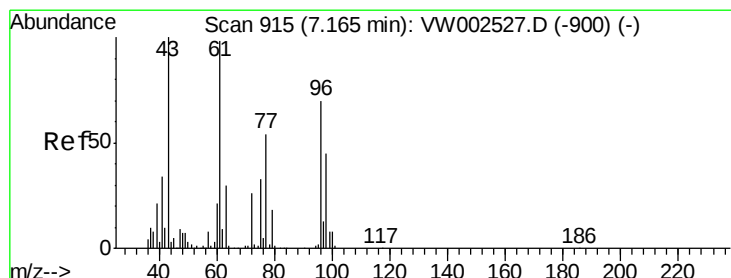
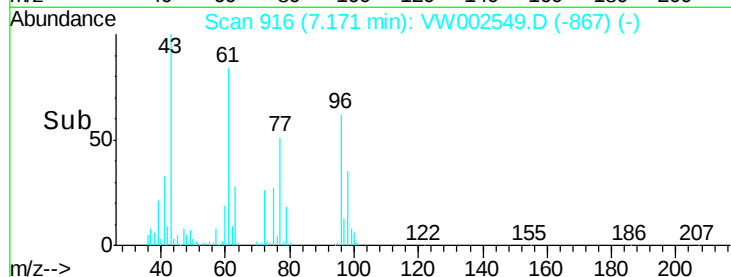
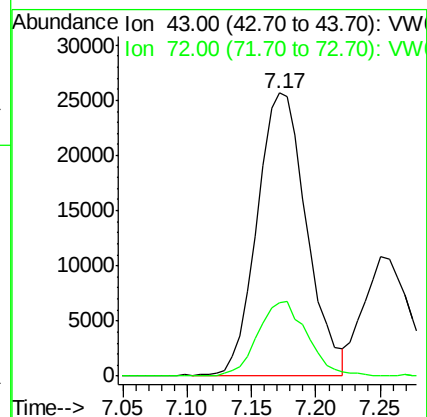
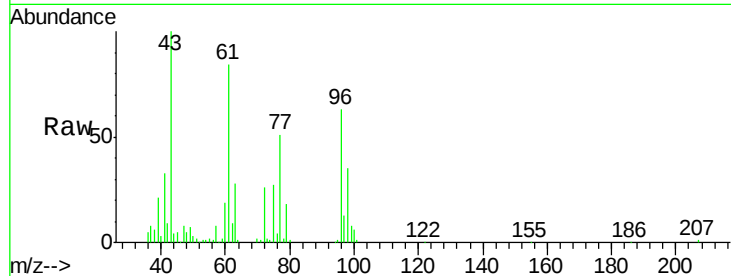
VW0515SBS02

Tgt Ion: 43 Resp: 67931

Ion Ratio Lower Upper

43 100

72 26.0 20.9 31.3



#26

2,2-Dichloropropane

Concen: 20.73 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW002549.D

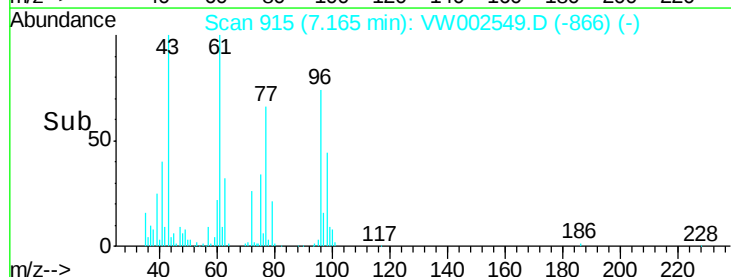
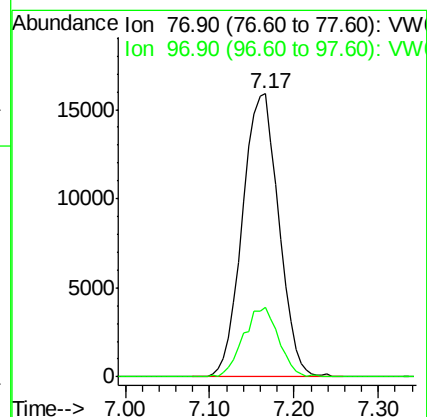
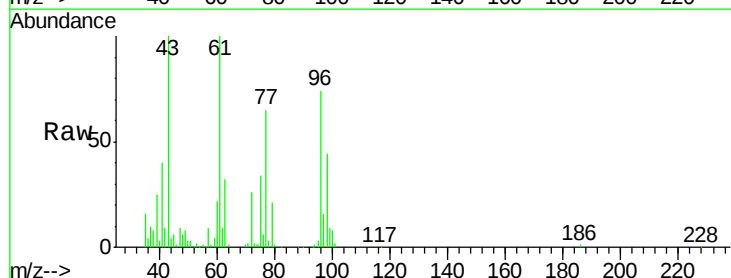
Acq: 15 May 2018 13:28

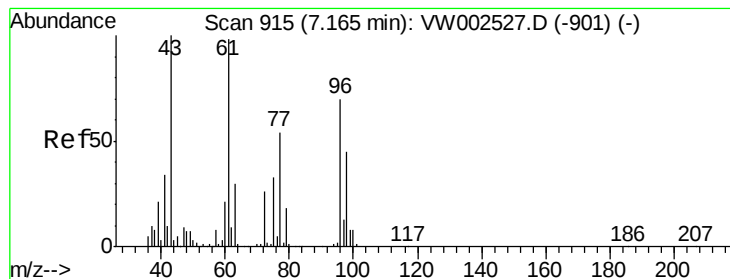
Tgt Ion: 77 Resp: 46394

Ion Ratio Lower Upper

77 100

97 23.7 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 18.97 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS02

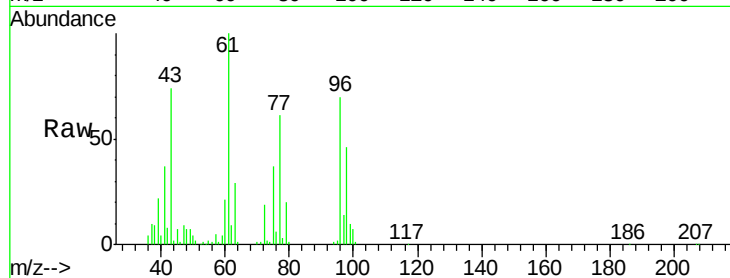
Tgt Ion: 96 Resp: 47181

Ion Ratio Lower Upper

96 100

61 141.9 0.0 281.6

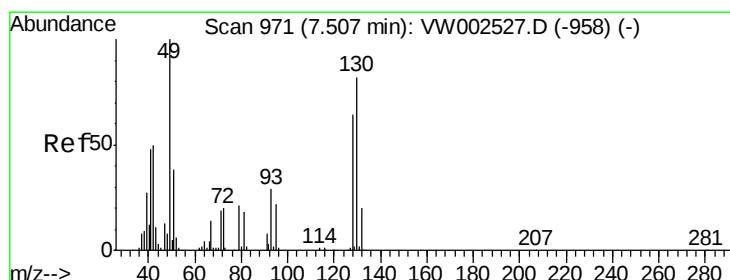
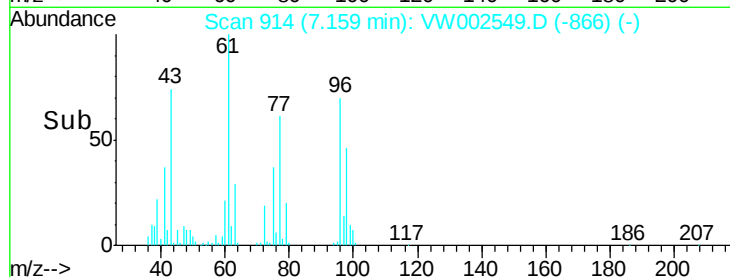
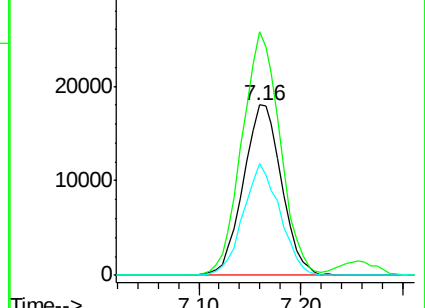
98 63.0 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 18.75 ug/l

RT: 7.51 min Scan# 971

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

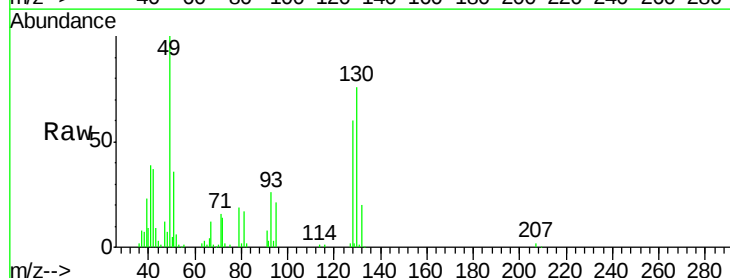
Tgt Ion: 49 Resp: 33427

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.4

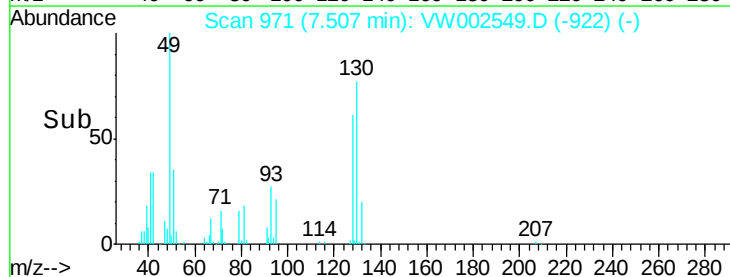
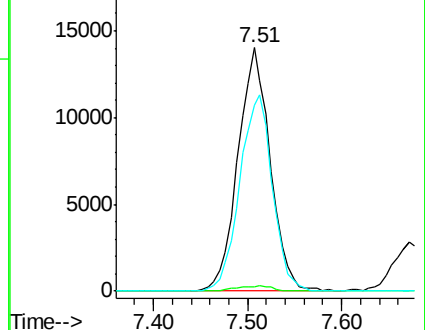
130 81.5 64.7 97.1

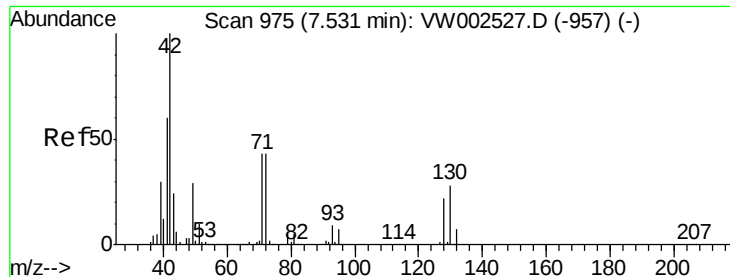


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 85.71 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS02

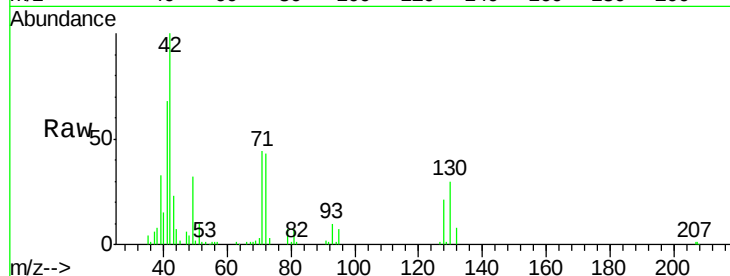
Tgt Ion: 42 Resp: 39814

Ion Ratio Lower Upper

42 100

72 41.2 35.0 52.4

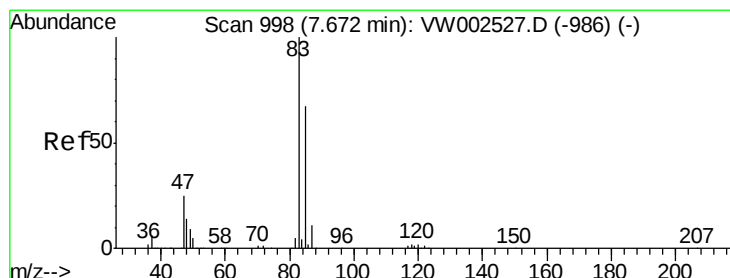
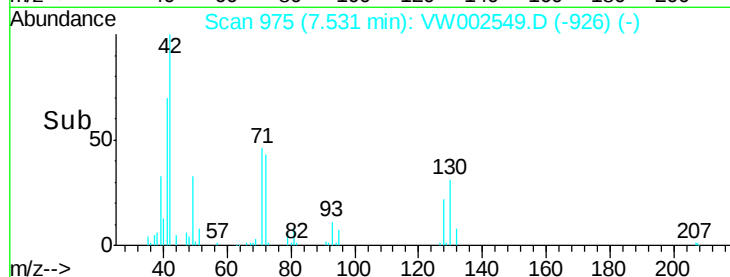
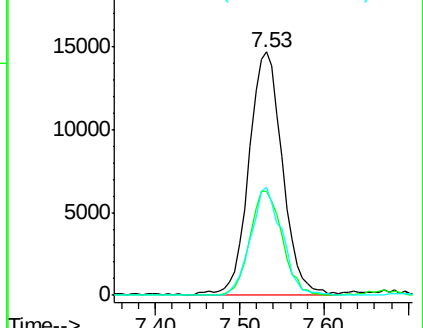
71 41.5 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 18.89 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.00 min

Lab File: VW002549.D

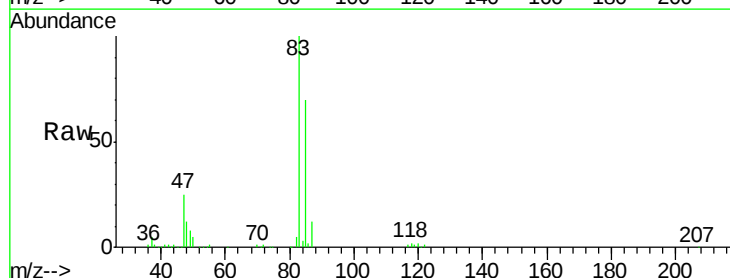
Acq: 15 May 2018 13:28

Tgt Ion: 83 Resp: 80582

Ion Ratio Lower Upper

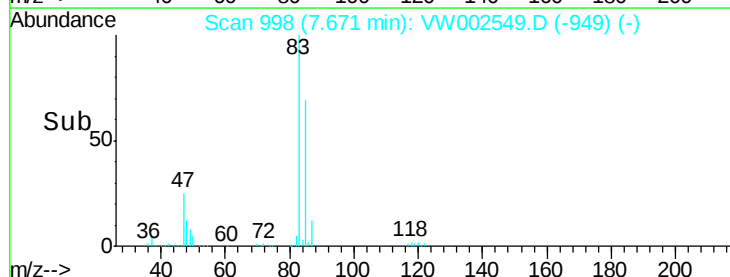
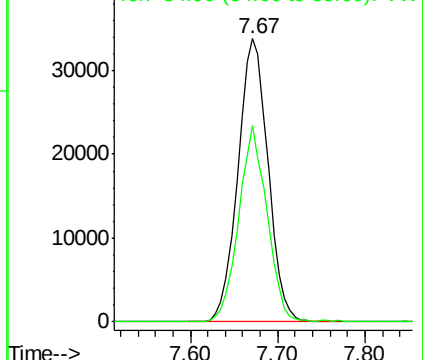
83 100

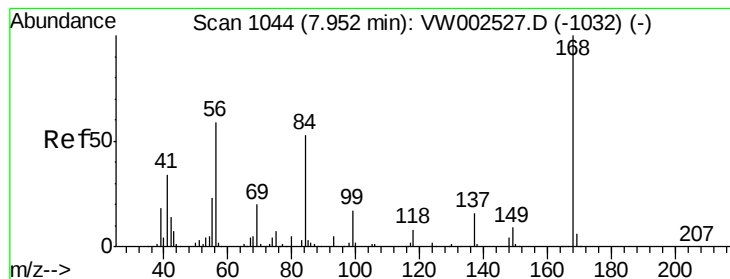
85 69.6 53.9 80.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 19.59 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS02

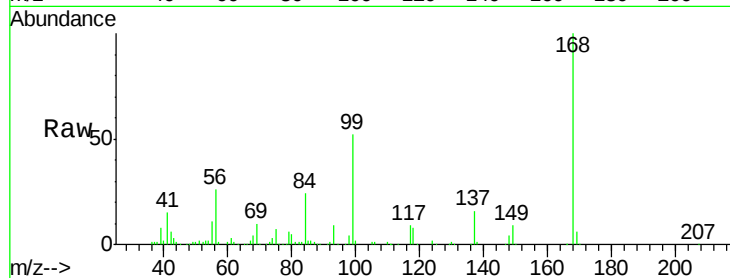
Tgt Ion: 56 Resp: 69320

Ion Ratio Lower Upper

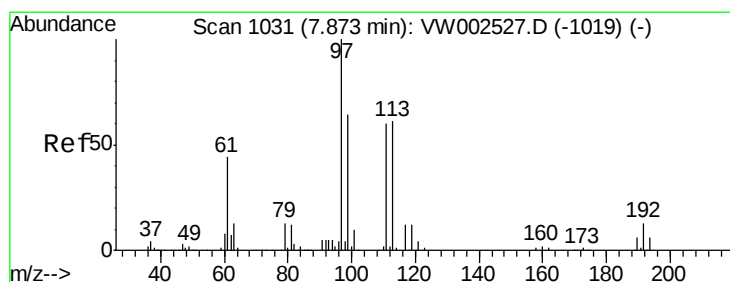
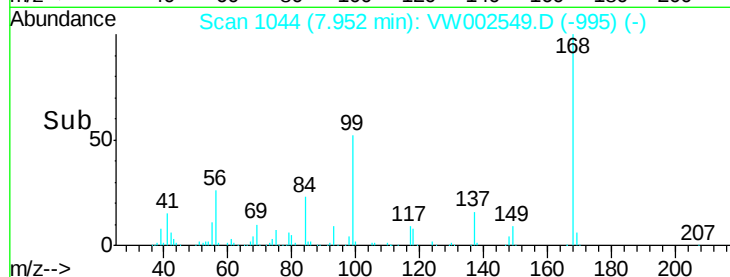
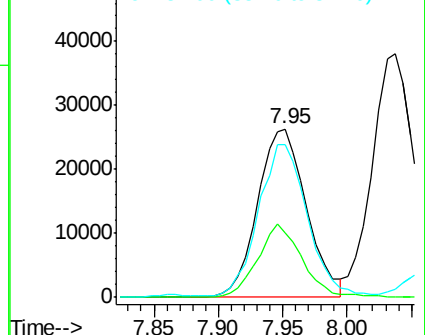
56 100

69 38.6 27.0 40.4

84 89.7 72.2 108.2



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: 19.29 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

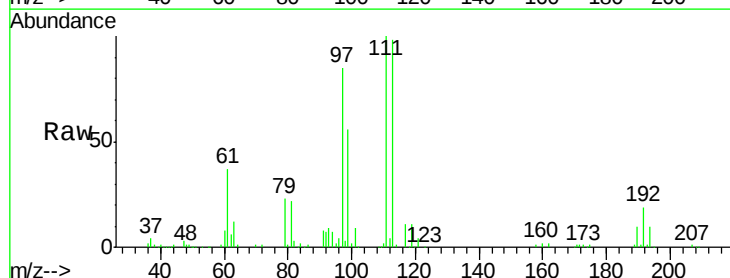
Tgt Ion: 97 Resp: 62048

Ion Ratio Lower Upper

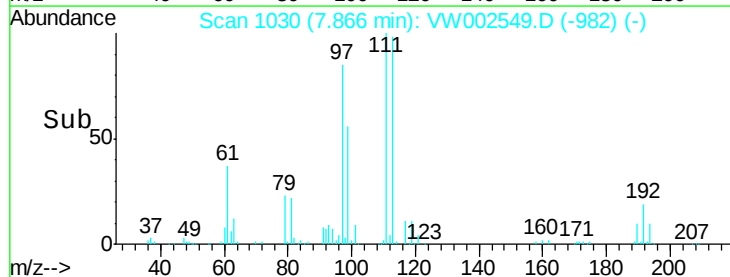
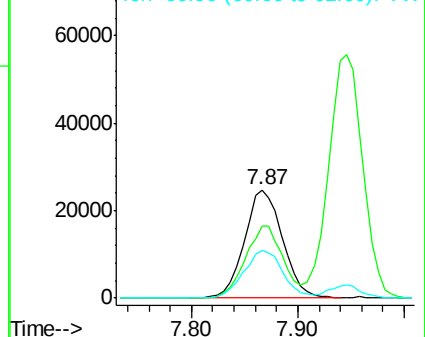
97 100

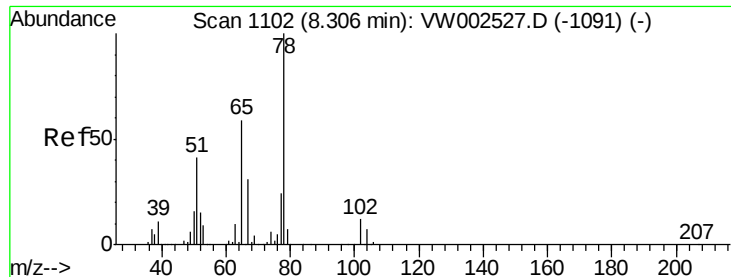
99 65.8 51.1 76.7

61 45.2 35.9 53.9



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

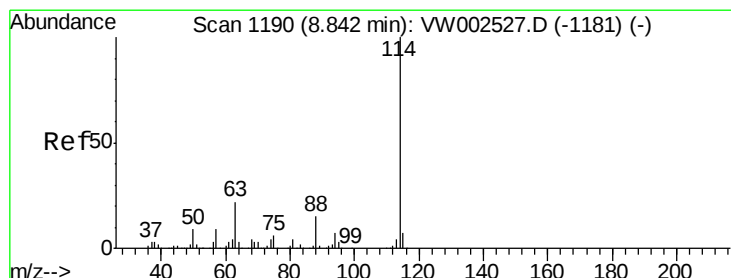
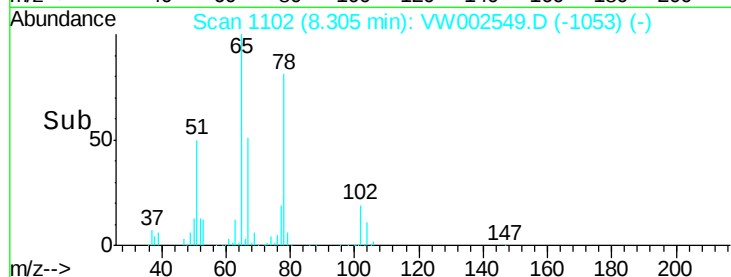
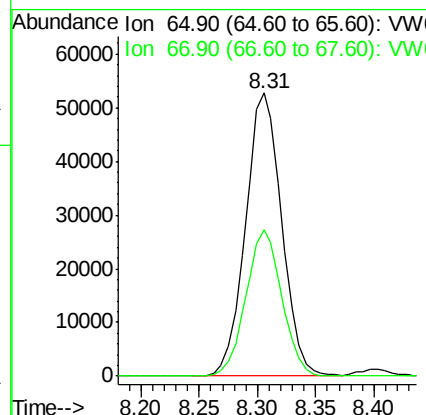
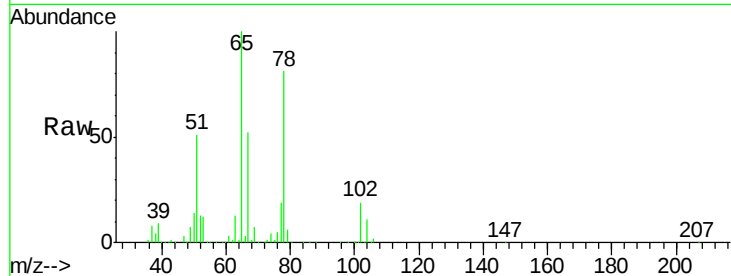




#33
 1,2-Dichloroethane-d4
 Concen: 45.82 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

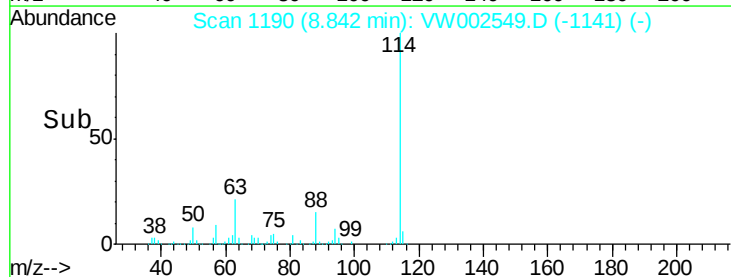
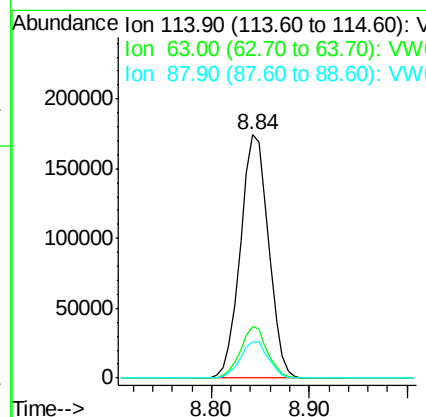
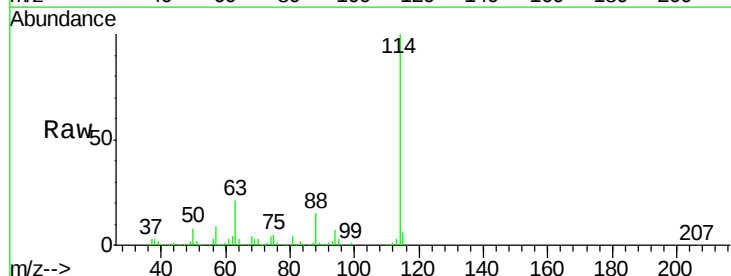
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS02

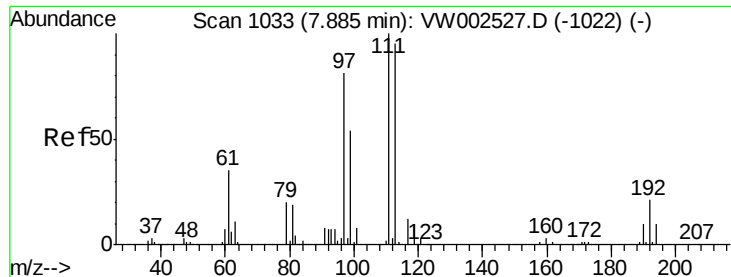
Tgt Ion: 65 Resp: 114138
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Tgt Ion: 114 Resp: 347274
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 15.1 0.0 29.2

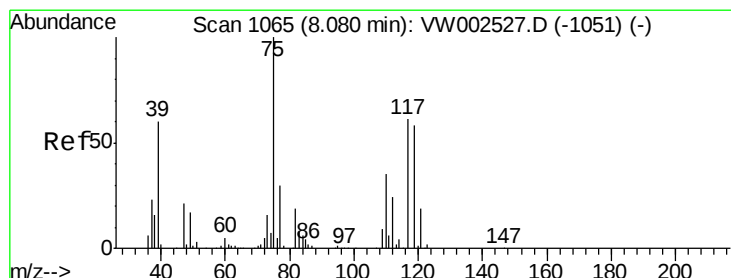
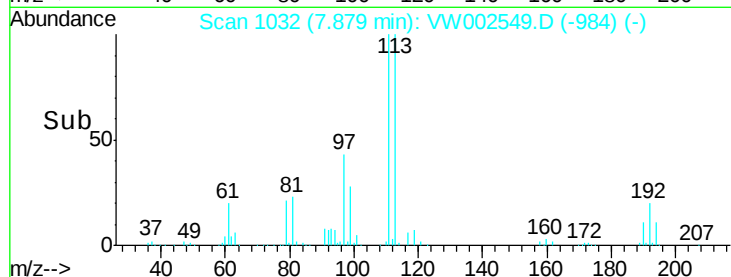
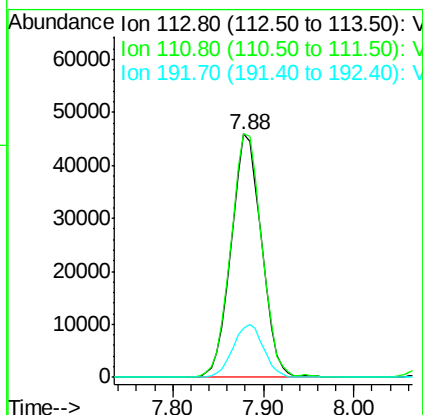
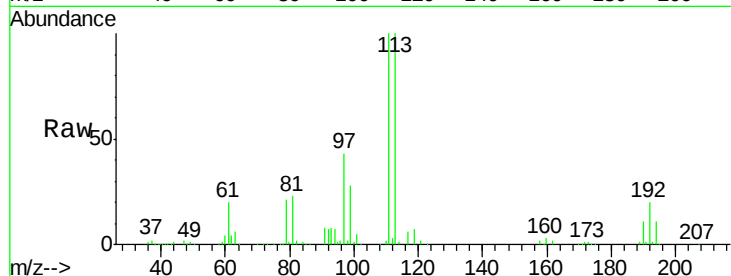




#35
 Dibromofluoromethane
 Concen: 48.42 ug/l
 RT: 7.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

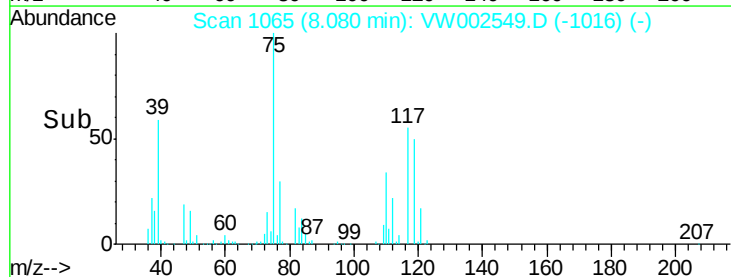
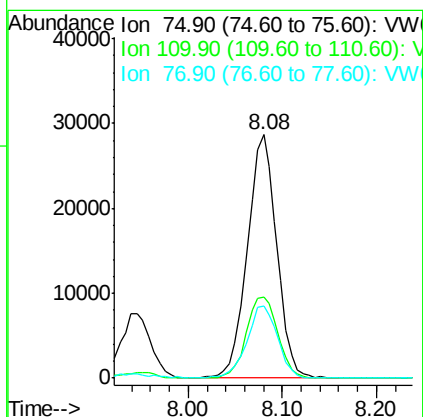
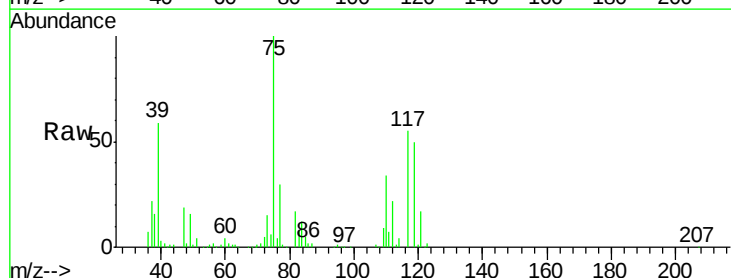
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS02

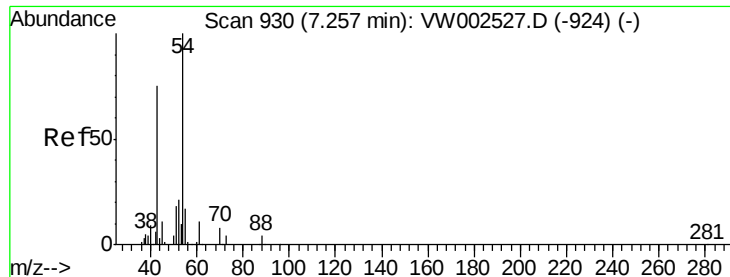
Tgt Ion: 113 Resp: 106665
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.8 122.8
 192 21.9 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 20.54 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Tgt Ion: 75 Resp: 62951
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.8 53.5
 77 31.0 24.5 36.7

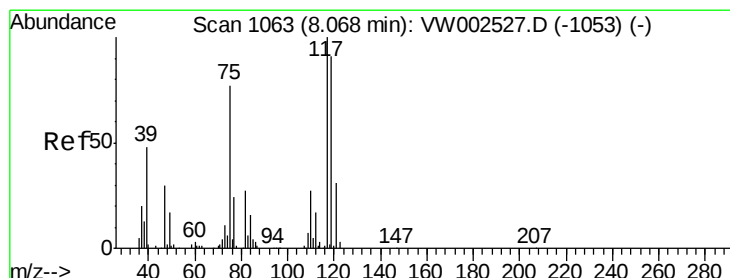
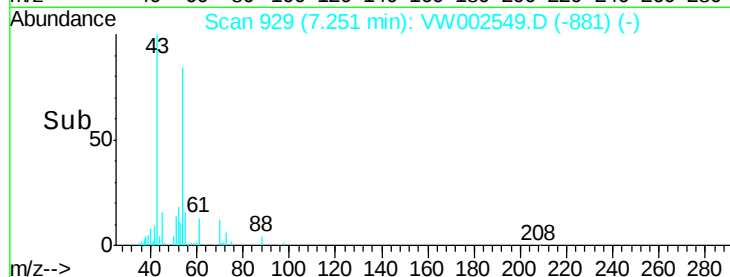
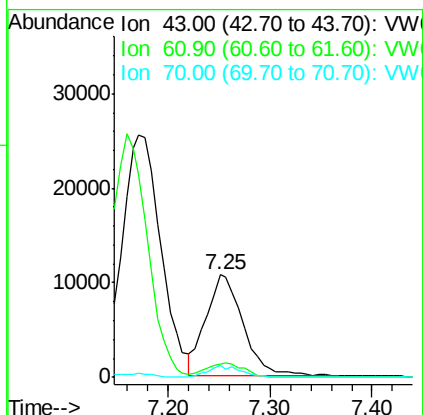
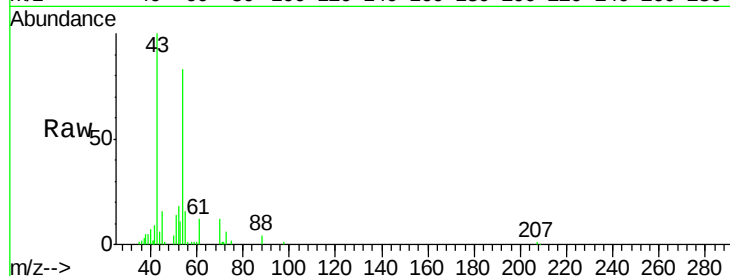




#37
Ethyl Acetate
Concen: 17.70 ug/l
RT: 7.25 min Scan# 929
Delta R.T. -0.01 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

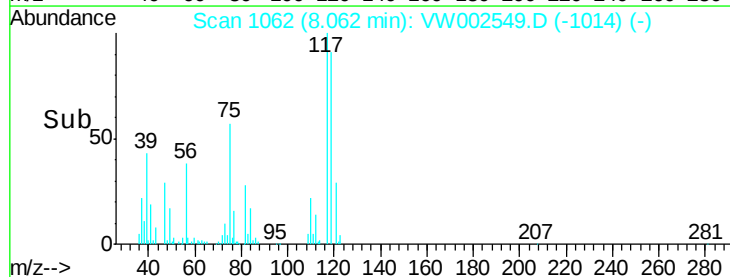
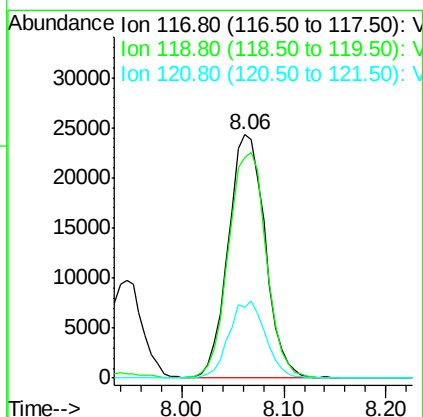
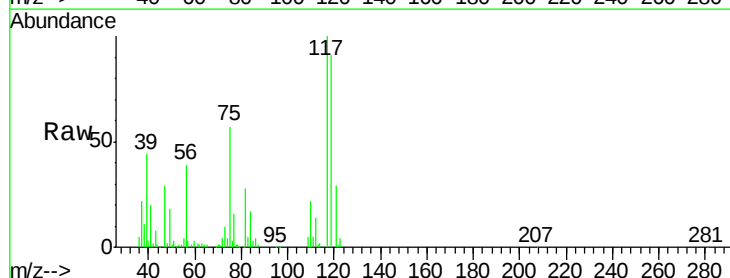
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS02

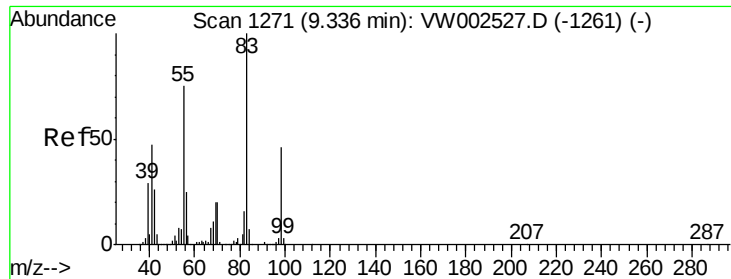
Tgt Ion: 43 Resp: 26904
Ion Ratio Lower Upper
43 100
61 14.5 11.1 16.7
70 10.5 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.33 ug/l
RT: 8.06 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

Tgt Ion: 117 Resp: 61008
Ion Ratio Lower Upper
117 100
119 90.5 73.1 109.7
121 29.2 24.4 36.6

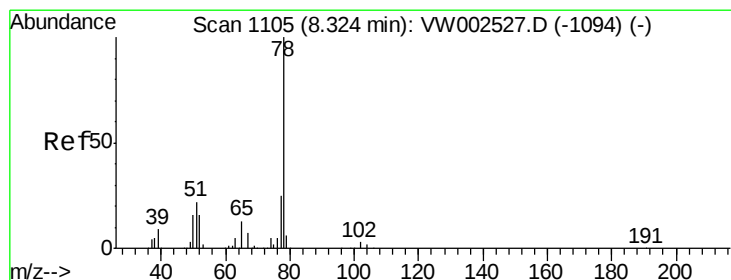
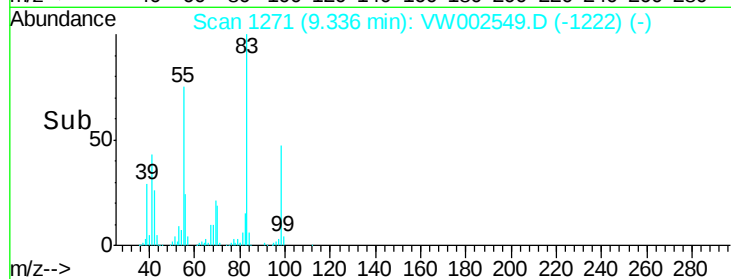
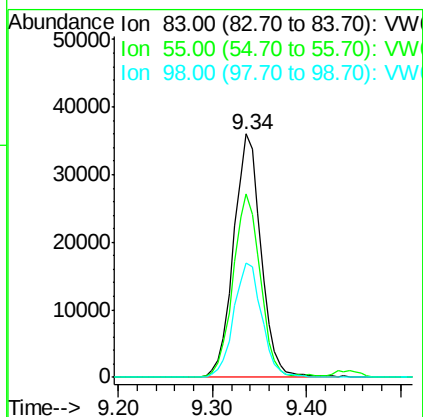
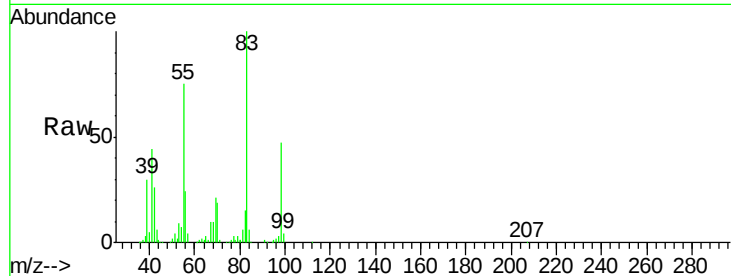




#39
Methylcyclohexane
Concen: 20.80 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

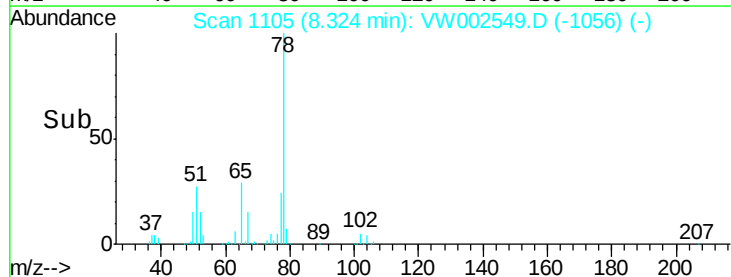
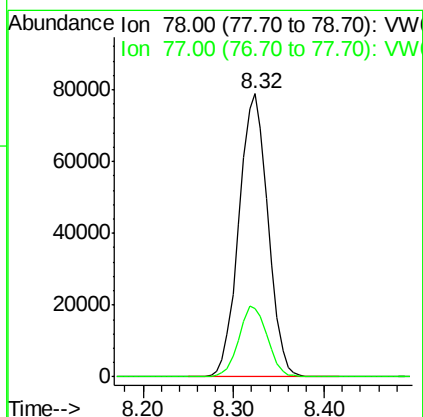
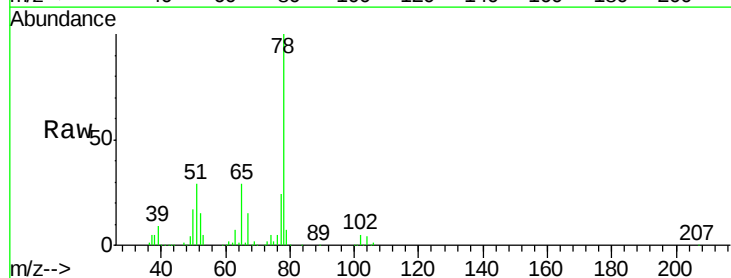
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS02

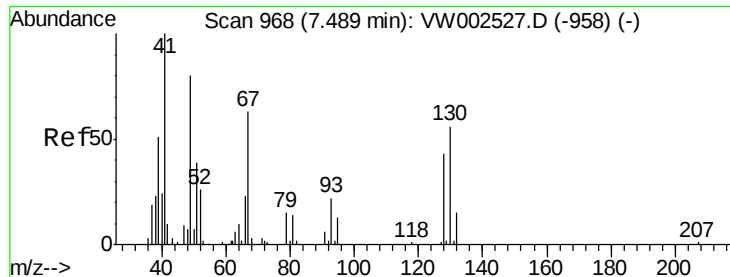
Tgt Ion: 83 Resp: 73026
Ion Ratio Lower Upper
83 100
55 75.3 60.0 90.0
98 47.2 37.0 55.4



#40
Benzene
Concen: 19.91 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

Tgt Ion: 78 Resp: 175228
Ion Ratio Lower Upper
78 100
77 24.1 19.9 29.9

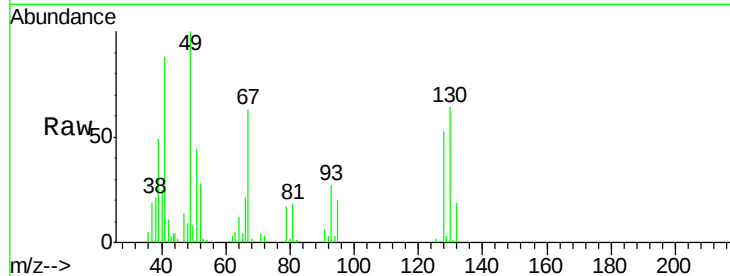




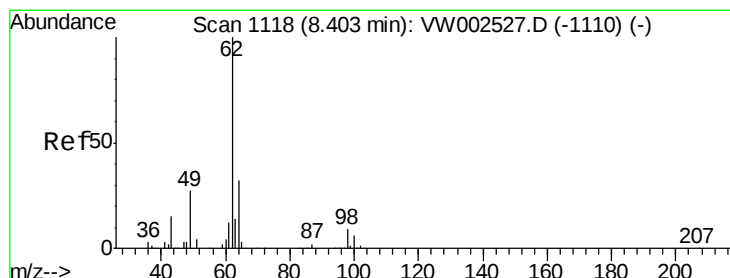
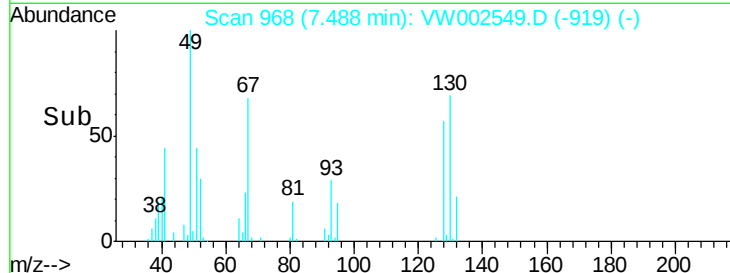
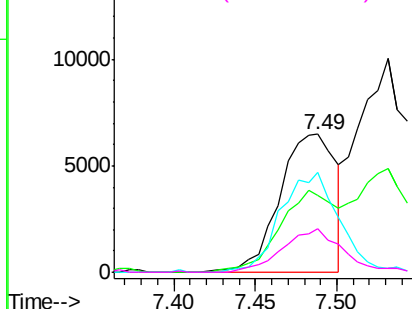
#41
Methacrylonitrile
Concen: 18.14 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS02

Tgt Ion:	41	Resp:	15429
Ion	Ratio	Lower	Upper
41	100		
39	58.6	51.8	77.8
67	75.9	59.9	89.9
52	33.7	26.6	39.8

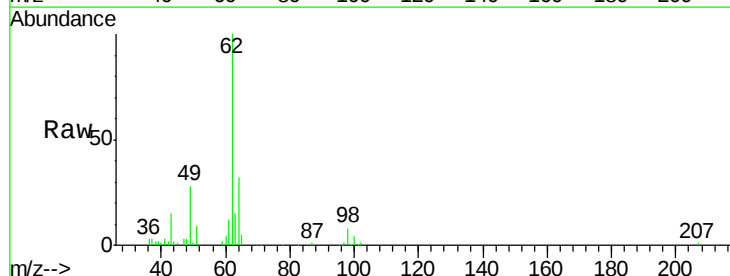


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

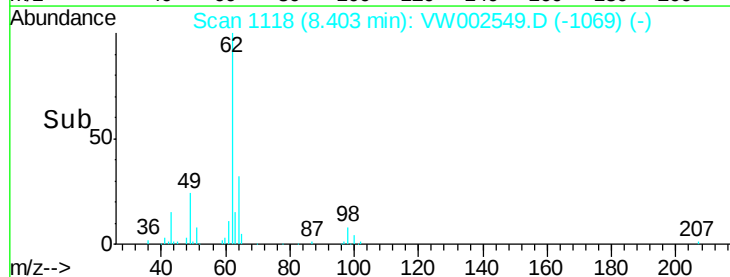
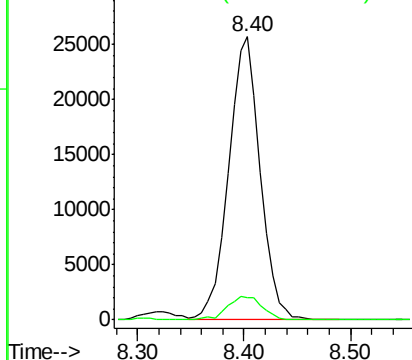


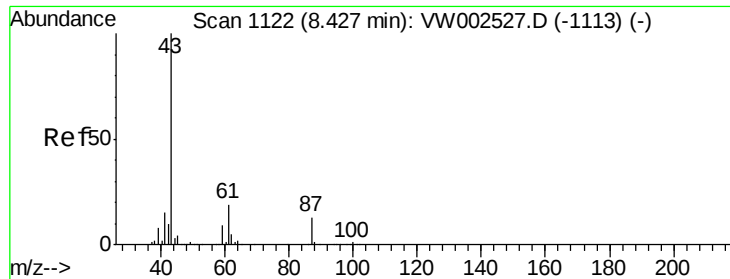
#42
1,2-Dichloroethane
Concen: 19.04 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

Tgt Ion:	62	Resp:	53206
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.25 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS02

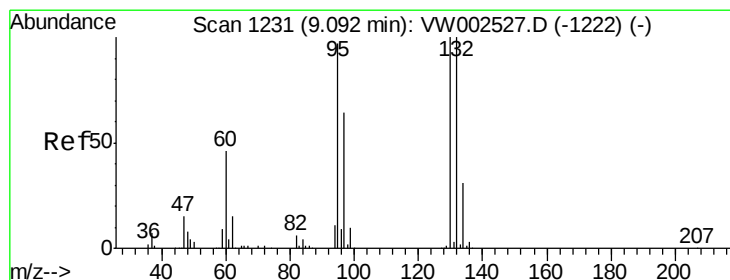
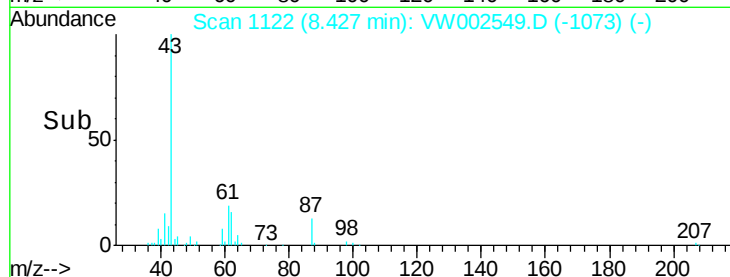
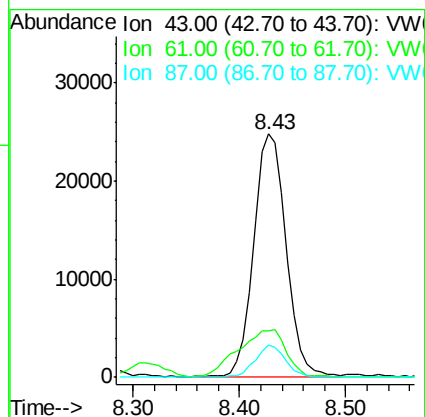
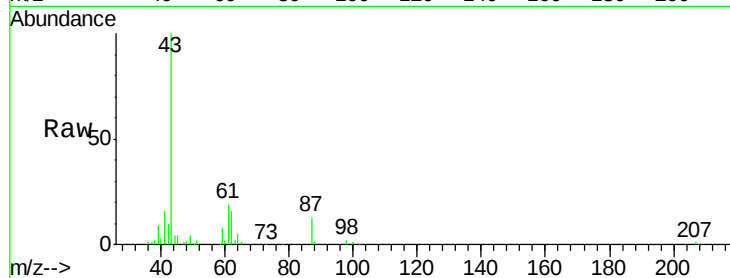
Tgt Ion: 43 Resp: 53343

Ion Ratio Lower Upper

43 100

61 29.3 23.0 34.6

87 12.3 10.6 15.8



#44

Trichloroethene

Concen: 20.03 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW002549.D

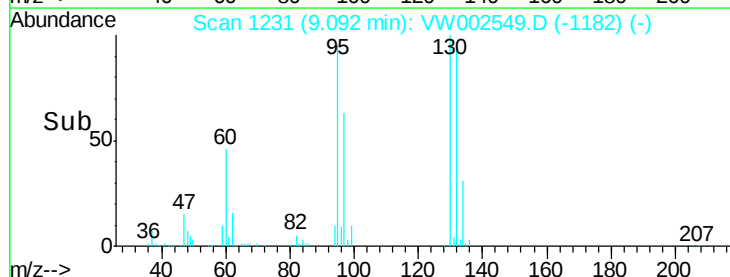
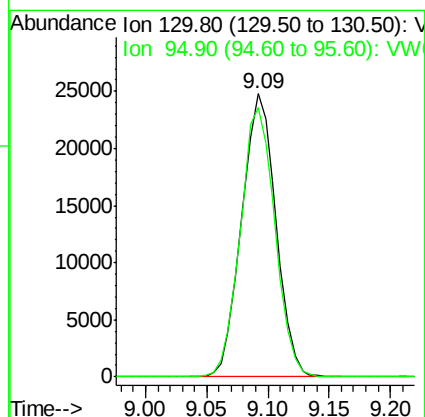
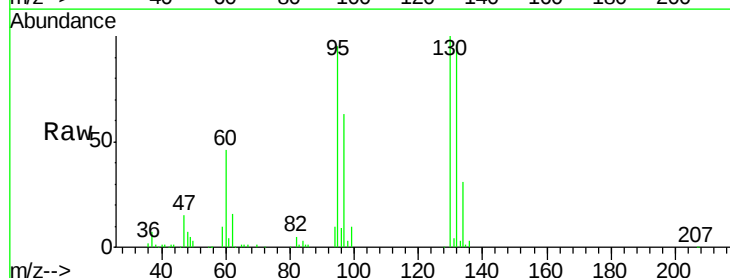
Acq: 15 May 2018 13:28

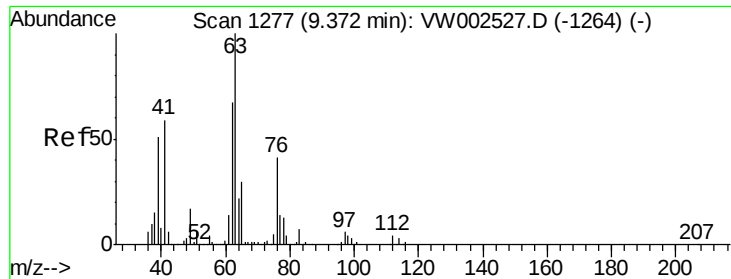
Tgt Ion: 130 Resp: 48298

Ion Ratio Lower Upper

130 100

95 95.2 0.0 194.6

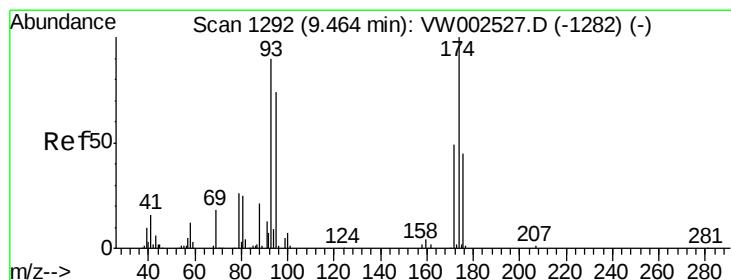
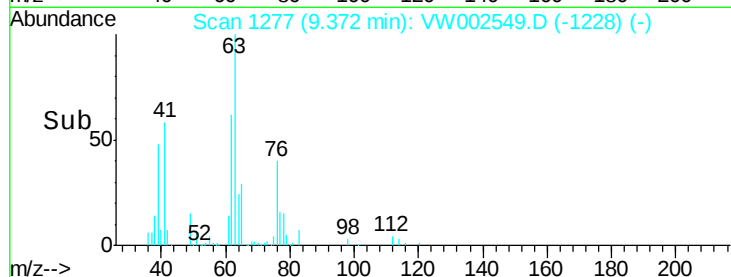
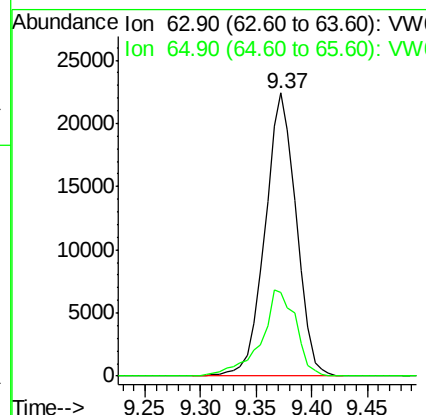
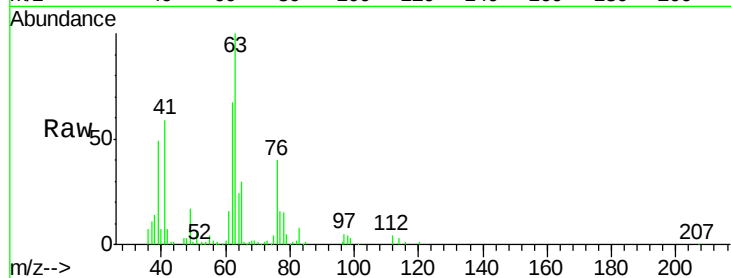




#45
 1,2-Dichloropropane
 Concen: 19.49 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

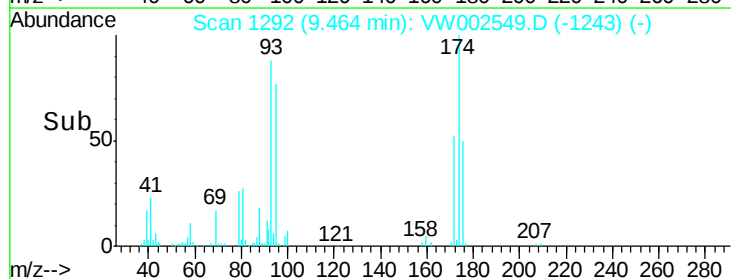
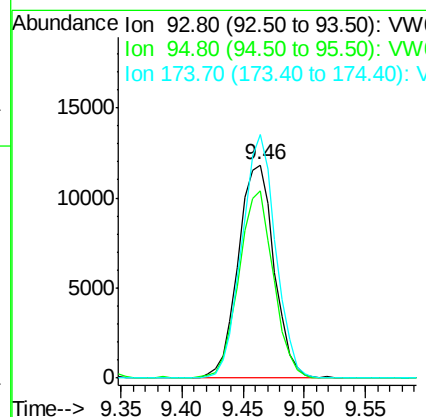
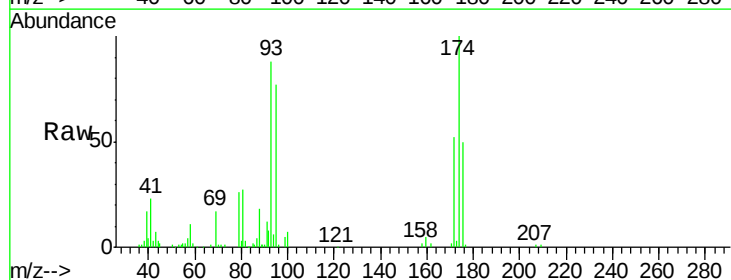
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS02

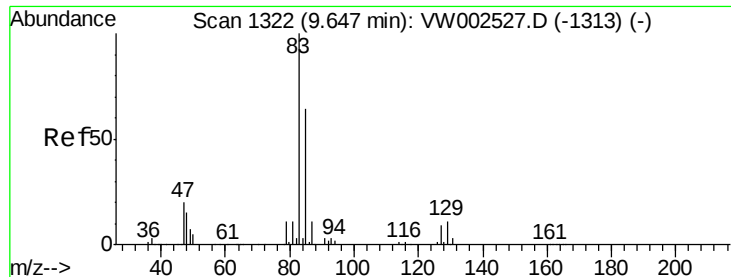
Tgt Ion: 63 Resp: 43709
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.4 36.6



#46
 Dibromomethane
 Concen: 18.89 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Tgt Ion: 93 Resp: 24104
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.6 100.0
 174 107.2 84.0 126.0





#47

Bromodichloromethane

Concen: 19.45 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS02

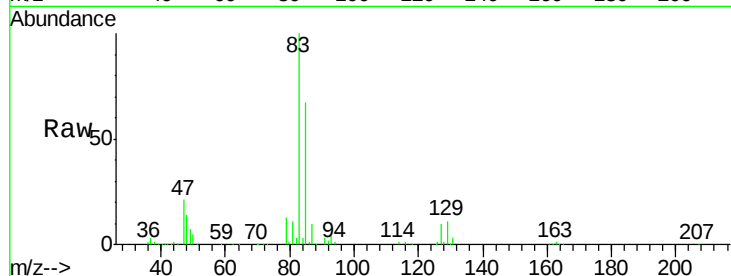
Tgt Ion: 83 Resp: 57872

Ion Ratio Lower Upper

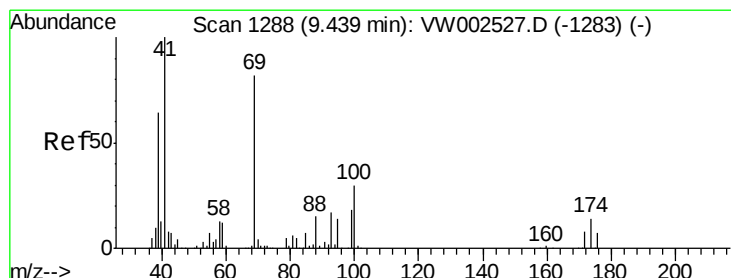
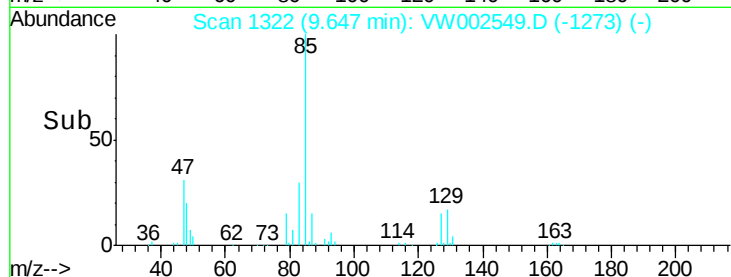
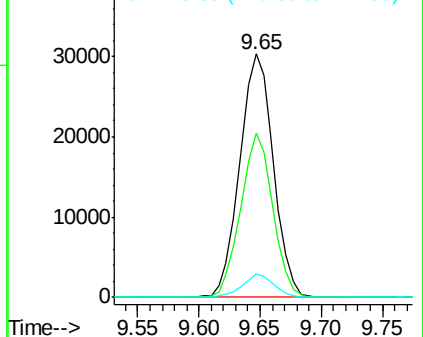
83 100

85 67.2 51.4 77.2

127 9.8 7.0 10.4



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: 17.70 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

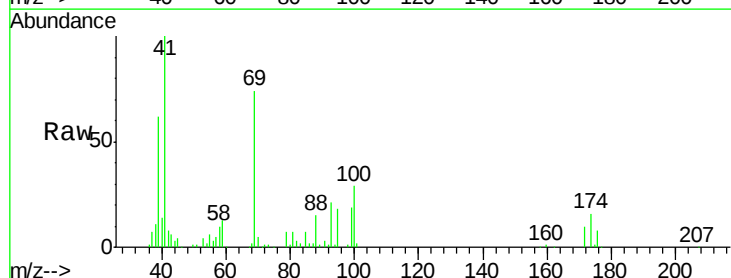
Tgt Ion: 41 Resp: 25075

Ion Ratio Lower Upper

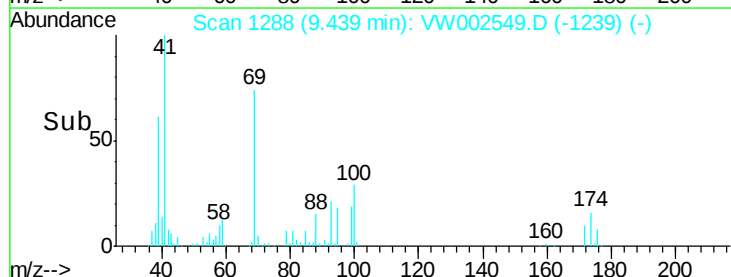
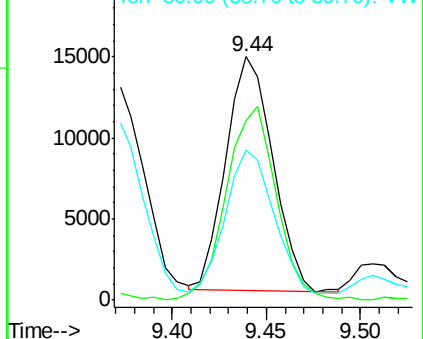
41 100

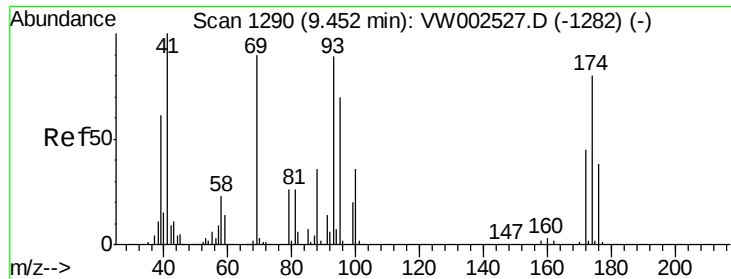
69 88.2 69.7 104.5

39 68.9 55.0 82.4



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: 358.89 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampled :

VW0515SBS02

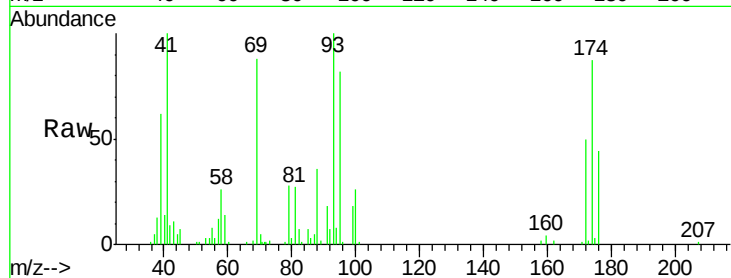
Tgt Ion: 88 Resp: 7631

Ion Ratio Lower Upper

88 100

43 31.3 27.0 40.4

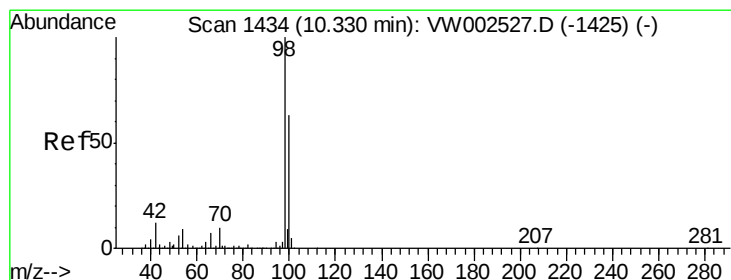
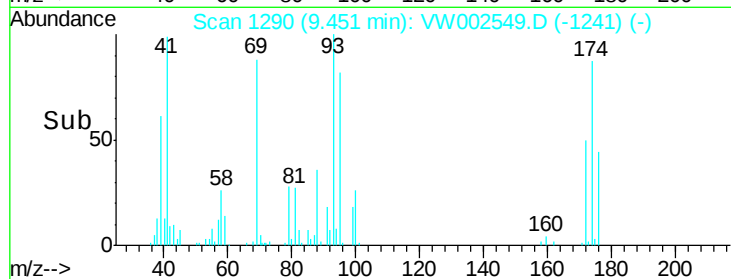
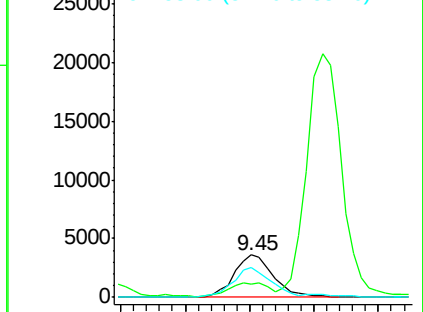
58 68.5 56.9 85.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.48 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002549.D

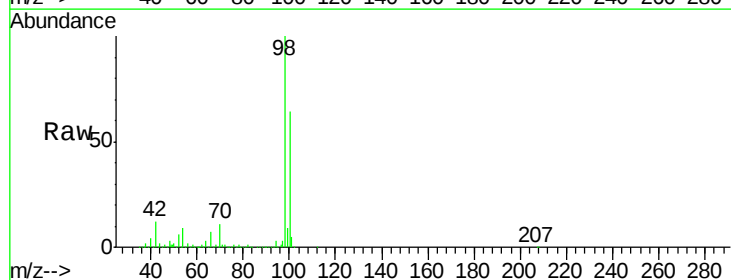
Acq: 15 May 2018 13:28

Tgt Ion: 98 Resp: 423146

Ion Ratio Lower Upper

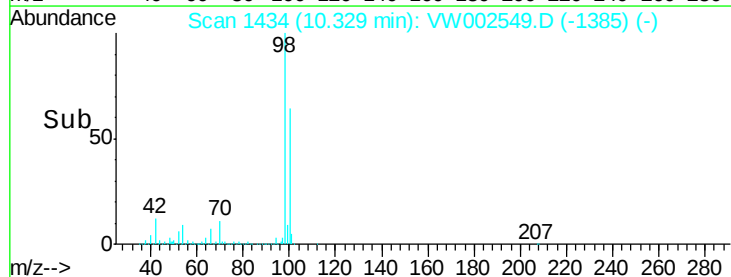
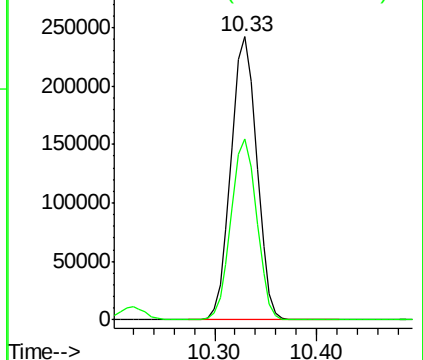
98 100

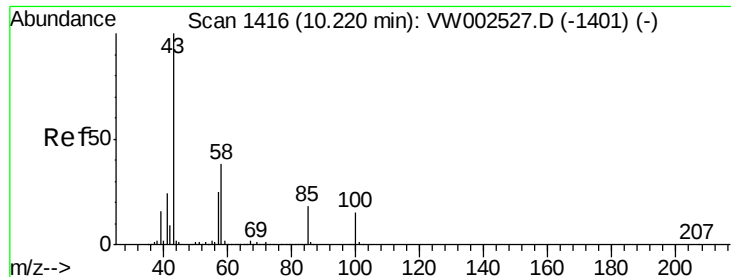
100 63.7 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

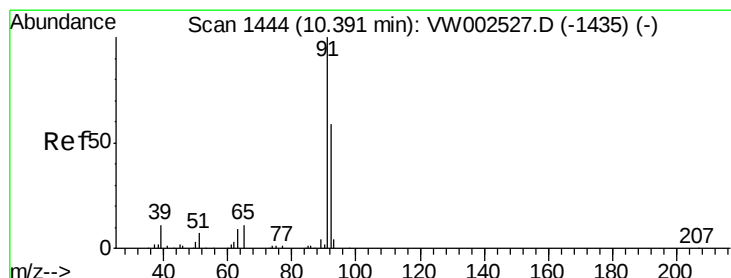
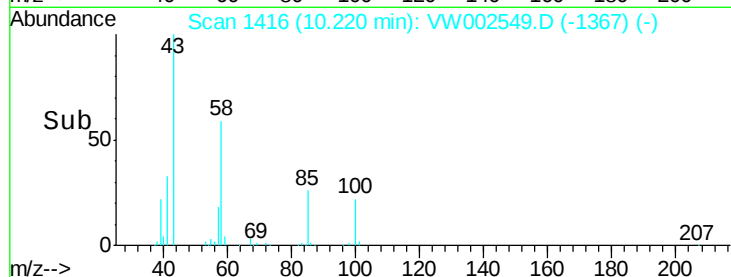
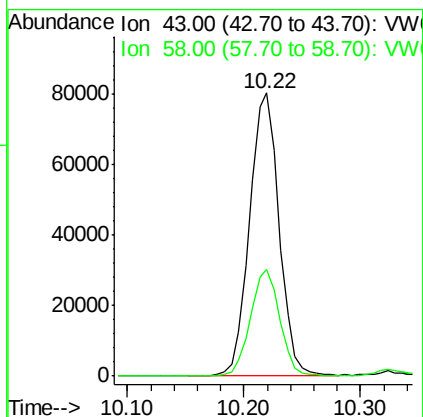
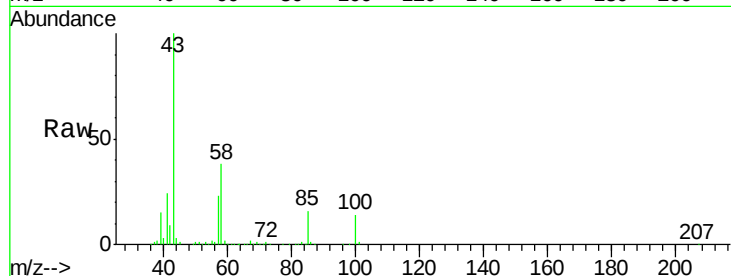




#51
 4-Methyl-2-Pentanone
 Concen: 88.62 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

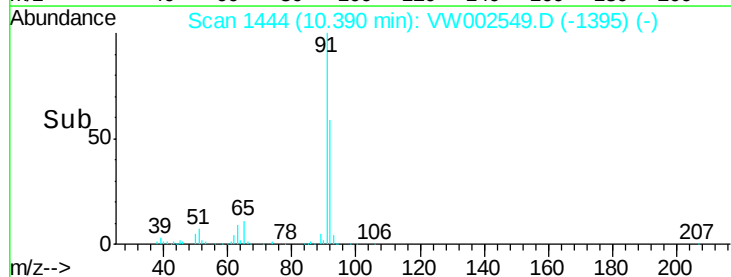
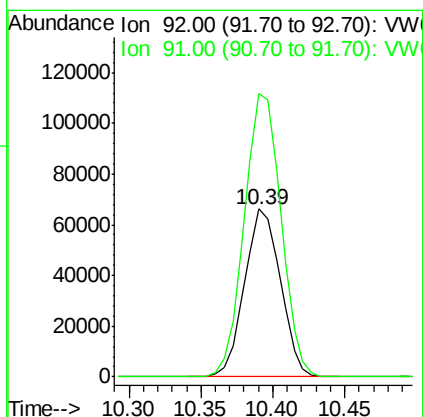
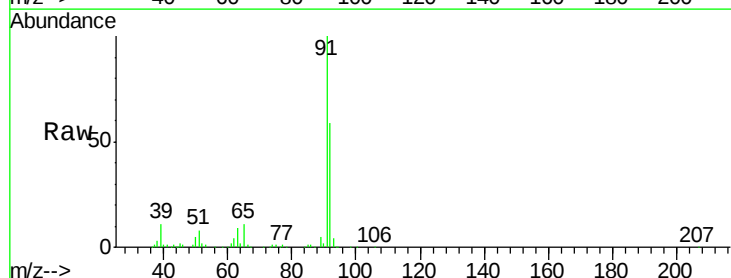
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS02

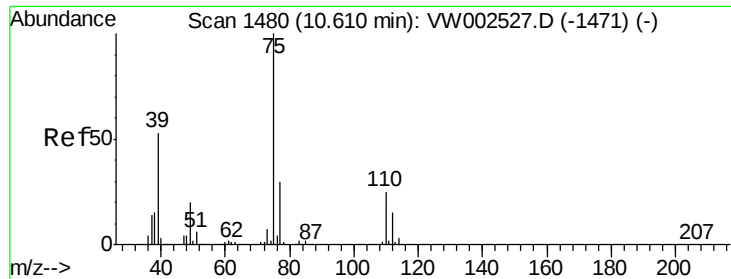
Tgt Ion: 43 Resp: 142244
 Ion Ratio Lower Upper
 43 100
 58 37.2 30.1 45.1



#52
 Toluene
 Concen: 20.55 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Tgt Ion: 92 Resp: 114305
 Ion Ratio Lower Upper
 92 100
 91 172.9 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 19.27 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

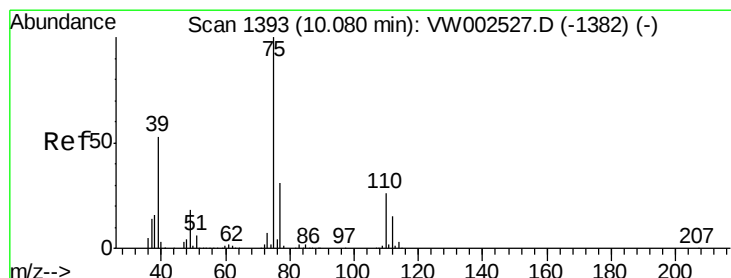
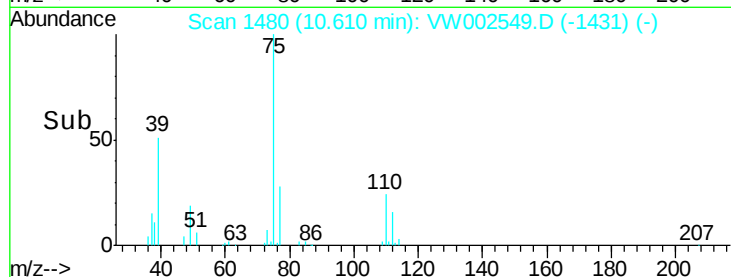
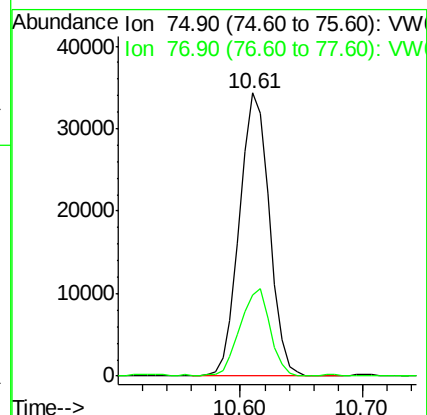
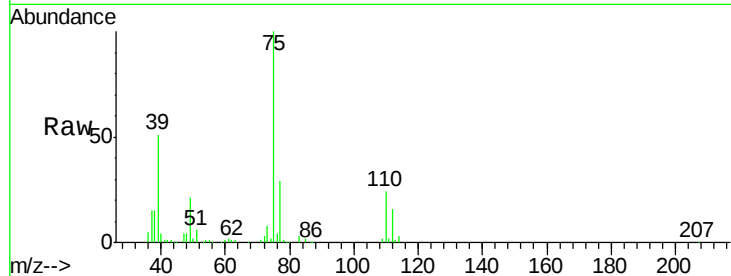
VW0515SBS02

Tgt Ion: 75 Resp: 57969

Ion Ratio Lower Upper

75 100

77 28.6 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 19.89 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

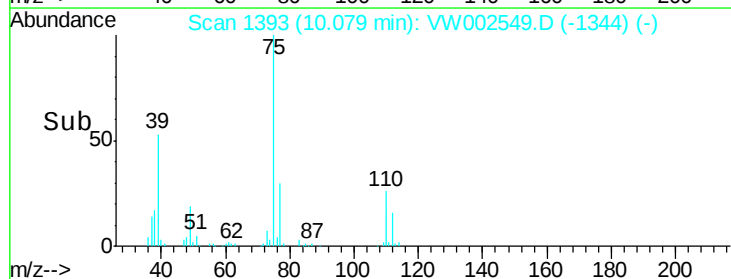
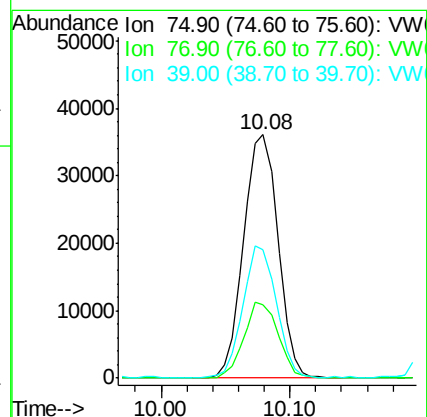
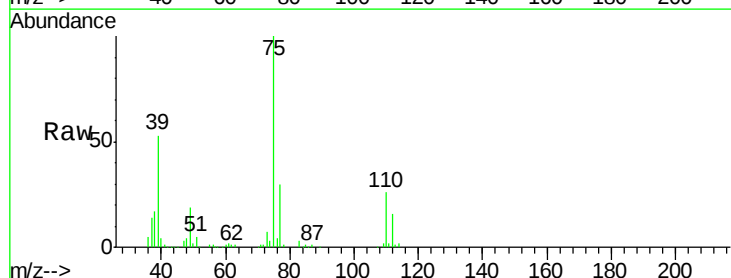
Tgt Ion: 75 Resp: 66725

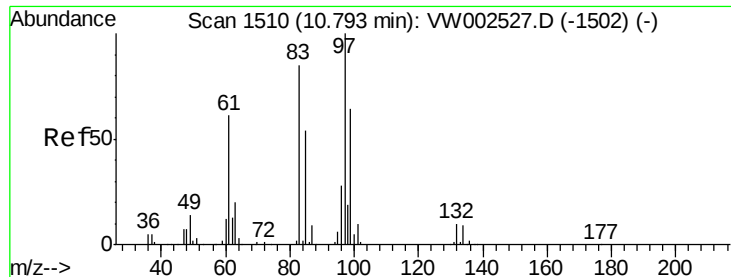
Ion Ratio Lower Upper

75 100

77 30.1 25.0 37.4

39 52.6 42.5 63.7

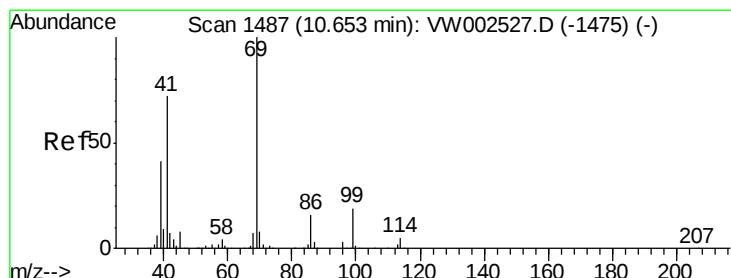
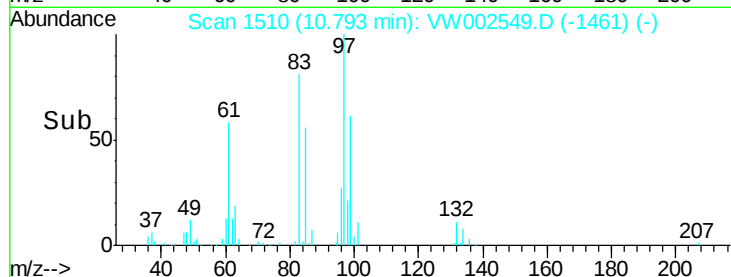
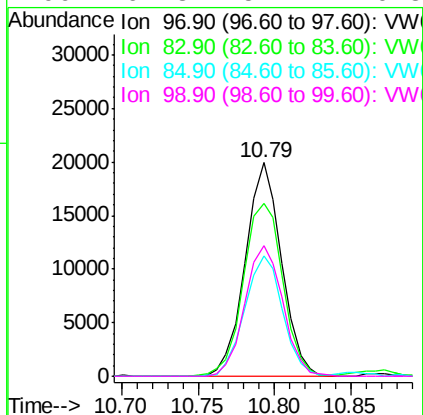
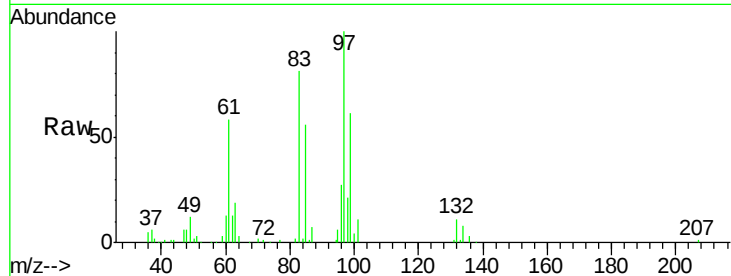




#55
 1,1,2-Trichloroethane
 Concen: 18.33 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

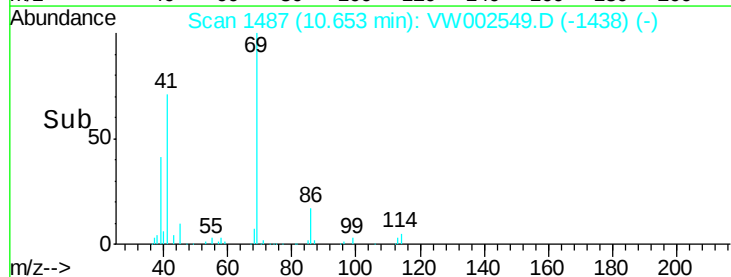
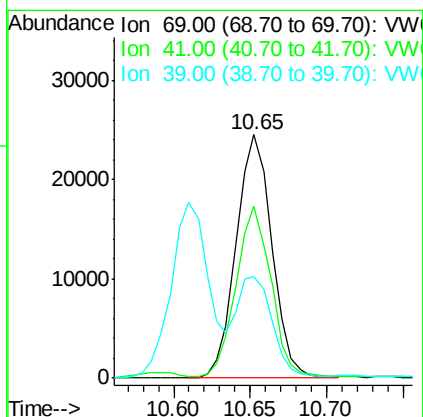
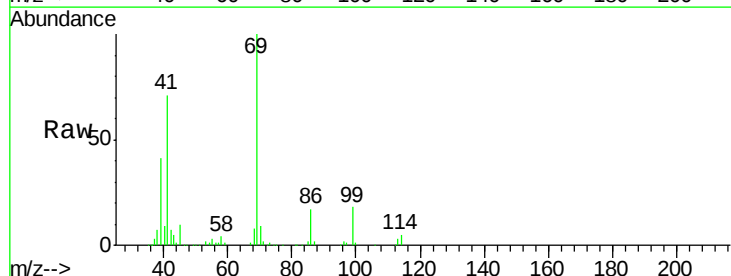
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS02

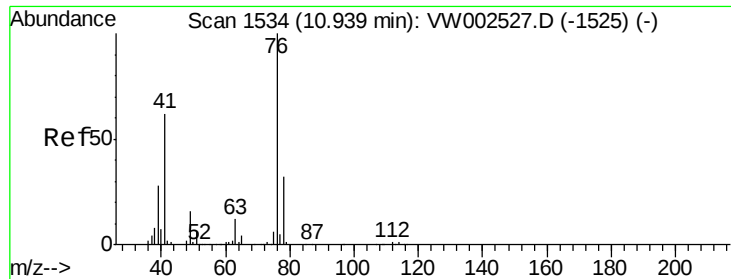
Tgt Ion:	97	Resp:	32944
Ion	Ratio	Lower	Upper
97	100		
83	80.9	68.1	102.1
85	56.4	43.6	65.4
99	61.3	51.2	76.8



#56
 Ethyl methacrylate
 Concen: 18.24 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Tgt Ion:	69	Resp:	39952
Ion	Ratio	Lower	Upper
69	100		
41	68.1	55.3	82.9
39	40.2	33.0	49.6

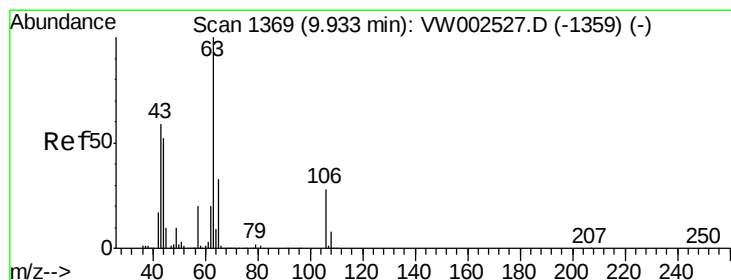
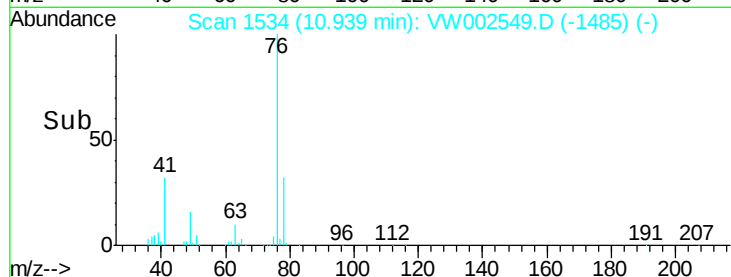
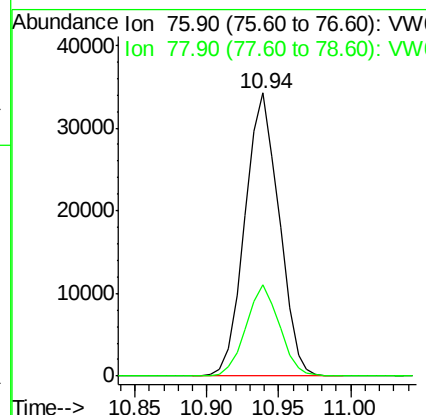
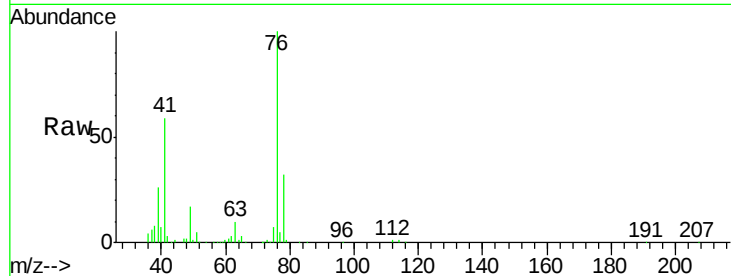




#57
 1,3-Dichloropropane
 Concen: 18.86 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

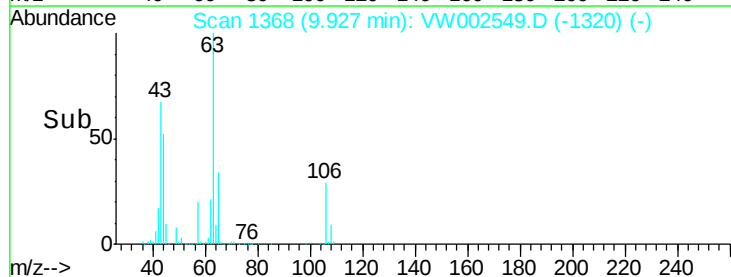
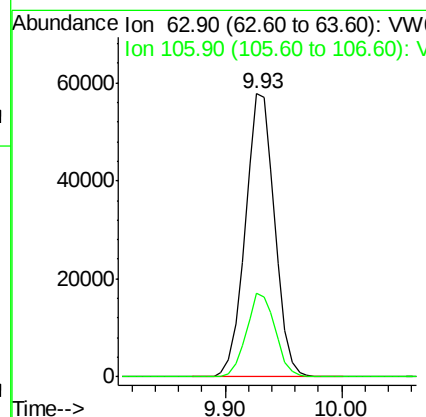
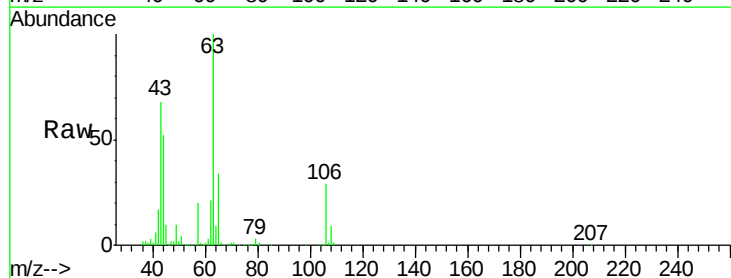
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS02

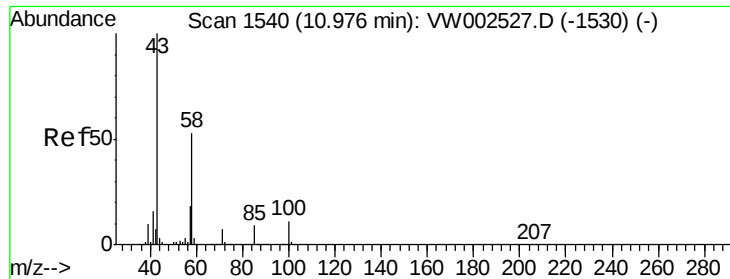
Tgt Ion: 76 Resp: 56235
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.99 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Tgt Ion: 63 Resp: 101072
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.9 34.3

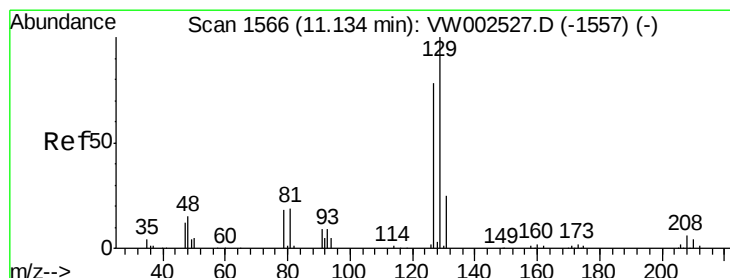
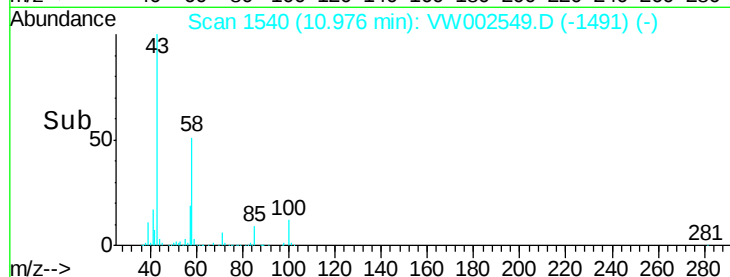
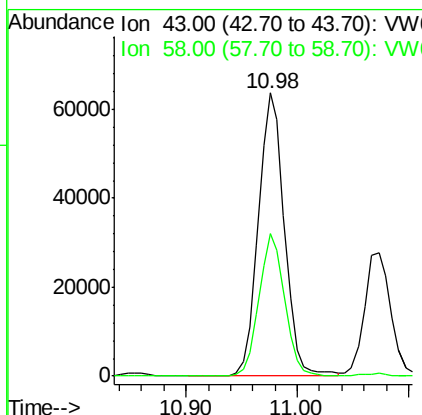
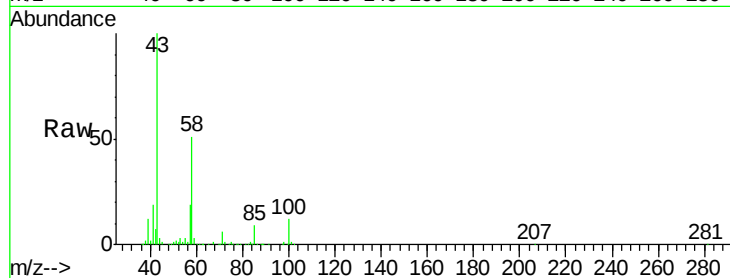




#59
2-Hexanone
Concen: 93.47 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

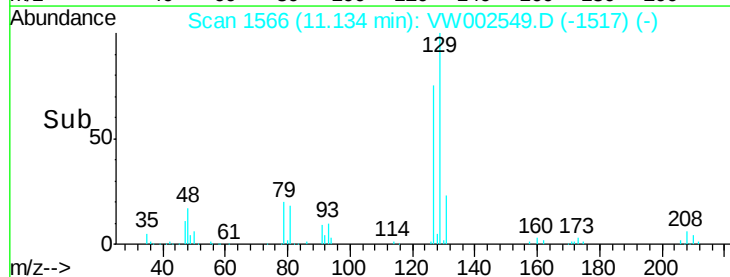
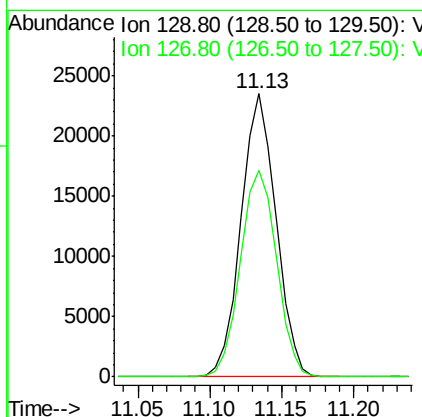
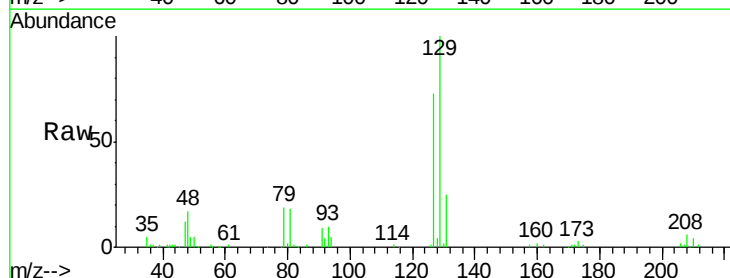
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS02

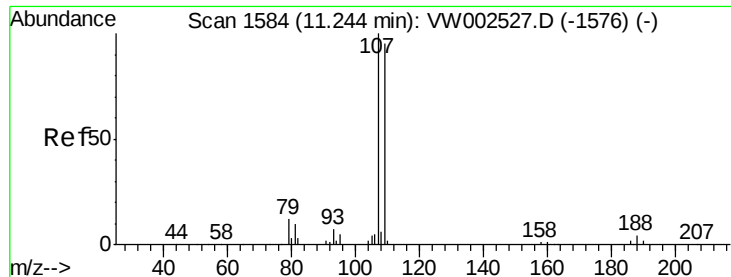
Tgt Ion: 43 Resp: 103575
Ion Ratio Lower Upper
43 100
58 49.9 26.3 78.8



#60
Dibromochloromethane
Concen: 18.67 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

Tgt Ion: 129 Resp: 39594
Ion Ratio Lower Upper
129 100
127 75.6 38.6 115.7

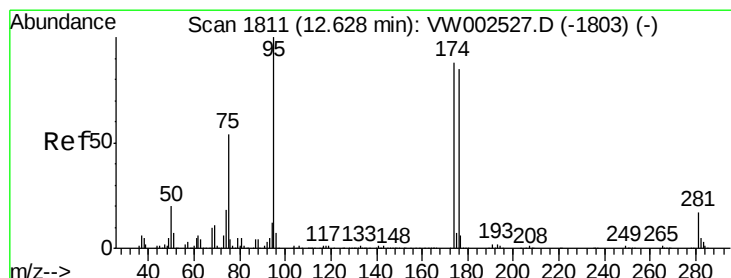
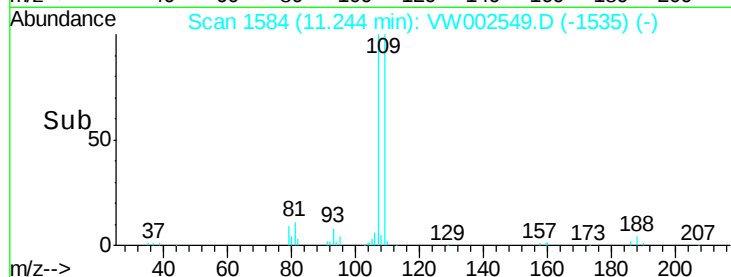
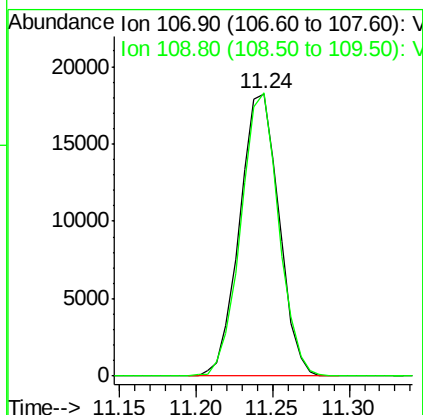
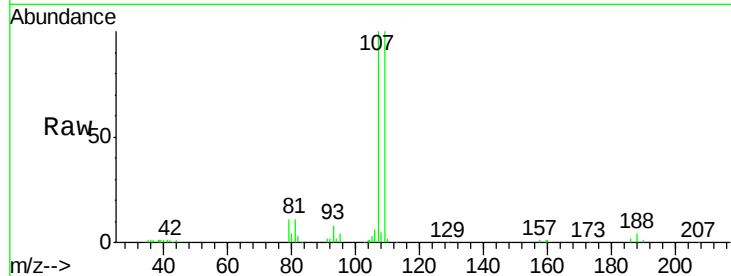




#61
 1,2-Dibromoethane
 Concen: 18.82 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

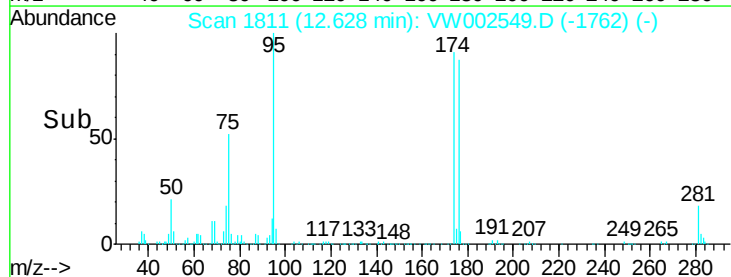
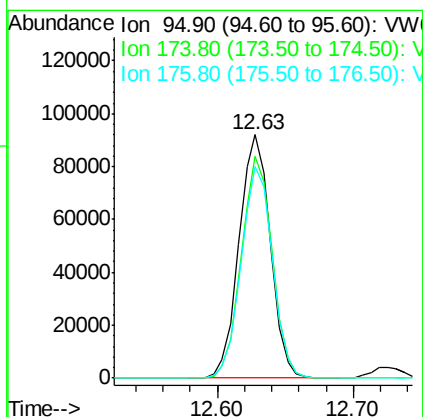
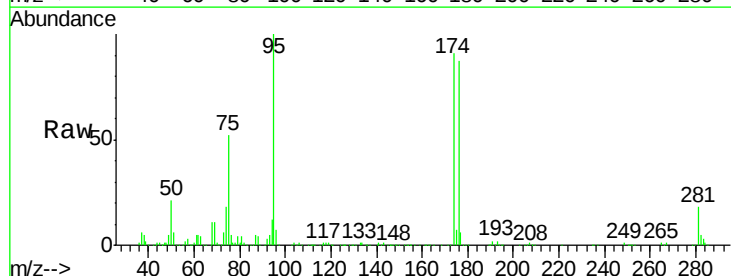
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS02

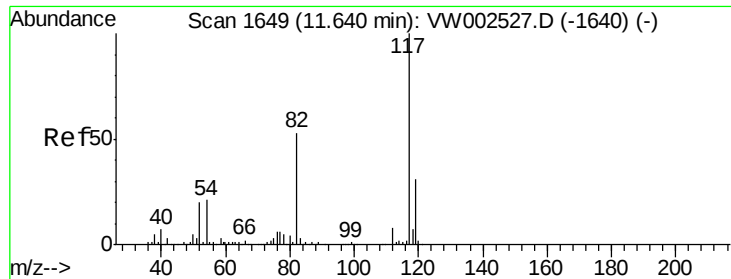
Tgt Ion: 107 Resp: 32649
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.12 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Tgt Ion: 95 Resp: 147470
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 176.6
 176 87.1 0.0 172.2

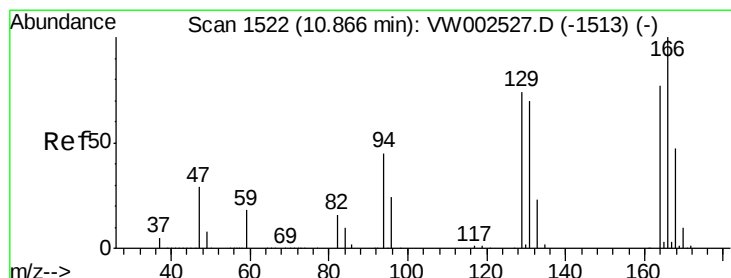
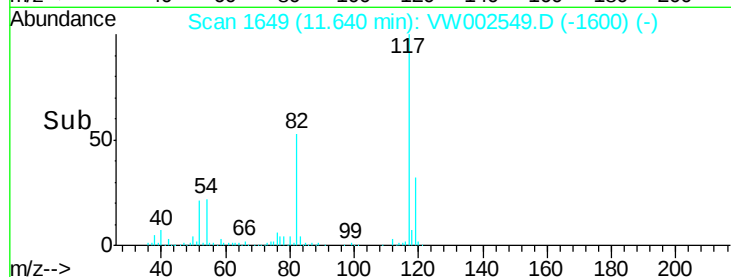
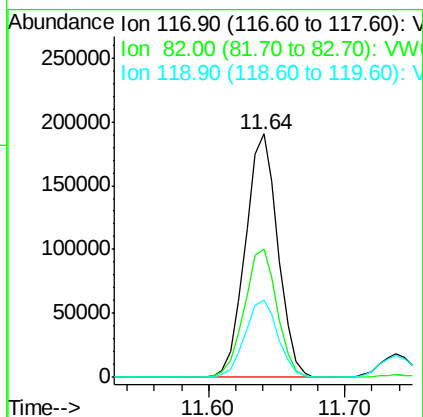
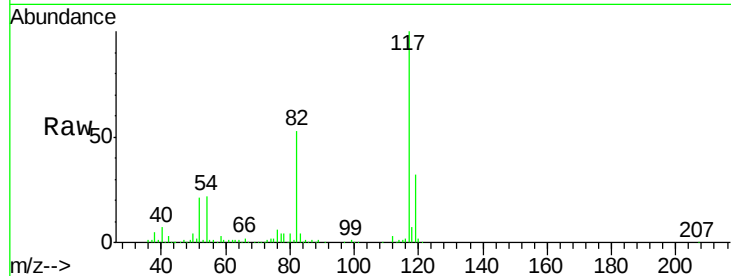




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

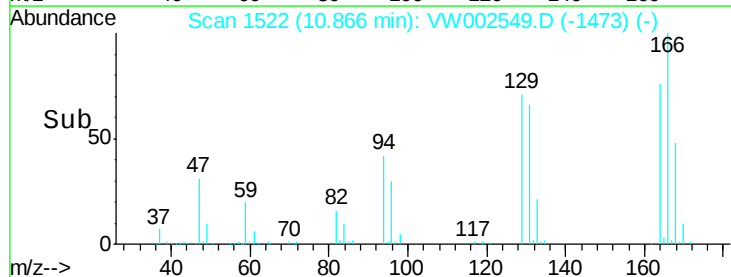
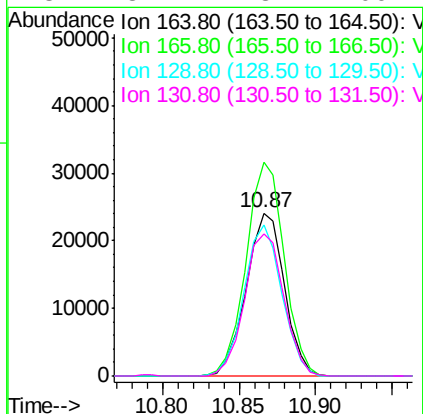
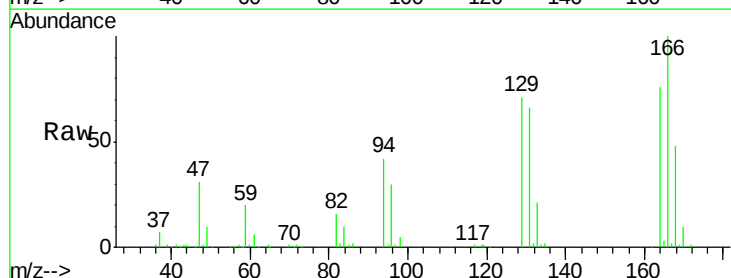
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS02

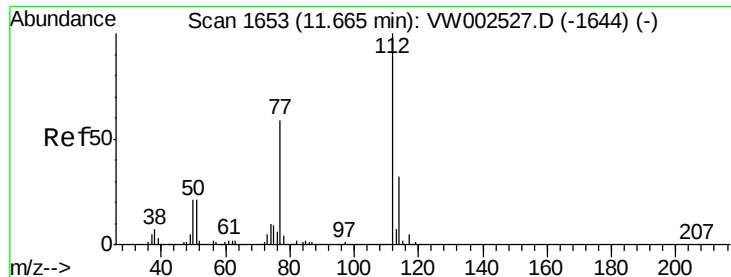
Tgt Ion:117 Resp: 317809
Ion Ratio Lower Upper
117 100
82 52.9 42.6 64.0
119 31.9 25.0 37.6



#64
Tetrachloroethene
Concen: 18.65 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

Tgt Ion:164 Resp: 41771
Ion Ratio Lower Upper
164 100
166 131.1 104.2 156.2
129 92.5 77.0 115.4
131 87.1 73.1 109.7





#65

Chlorobenzene

Concen: 19.99 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

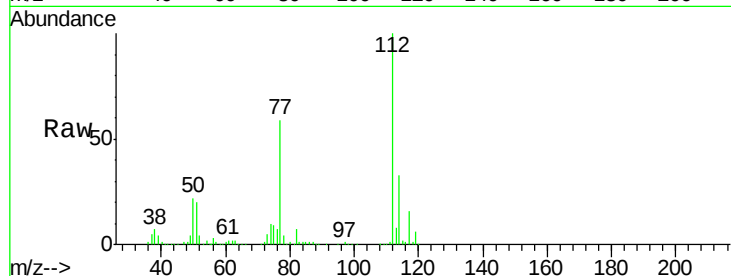
VW0515SBS02

Tgt Ion:112 Resp: 126514

Ion Ratio Lower Upper

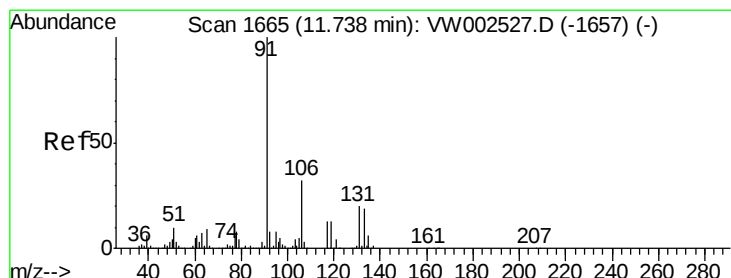
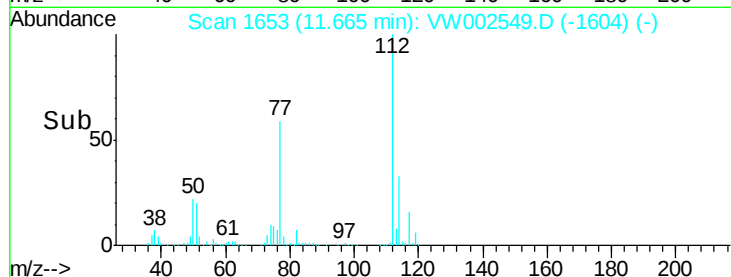
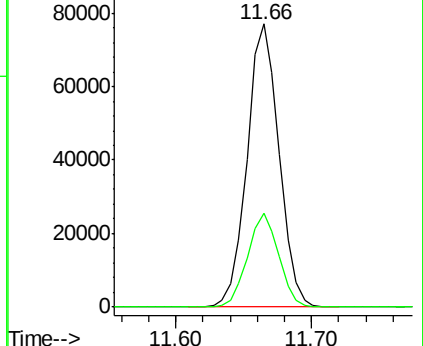
112 100

114 33.3 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.99 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

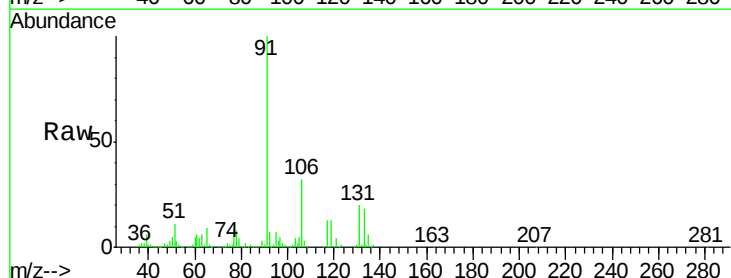
Tgt Ion:131 Resp: 45304

Ion Ratio Lower Upper

131 100

133 95.9 48.4 145.3

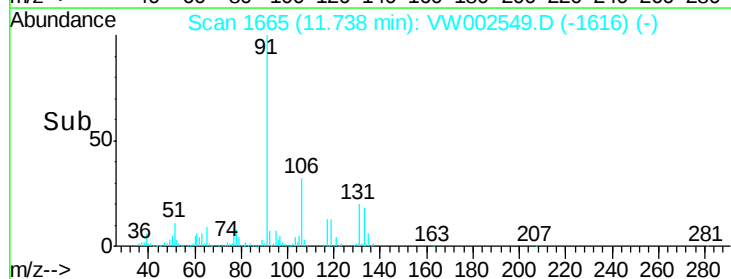
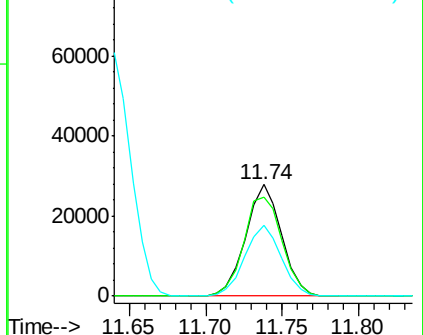
119 64.4 32.2 96.6

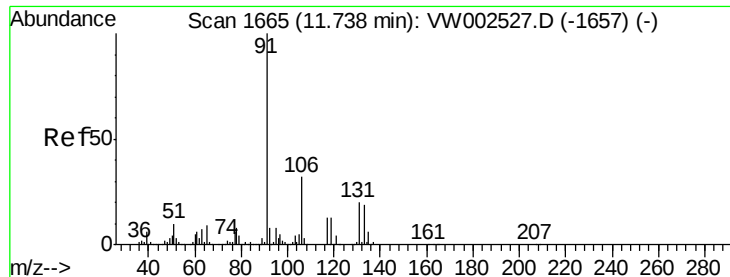


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

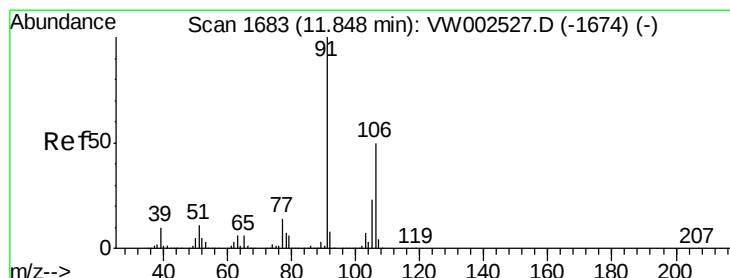
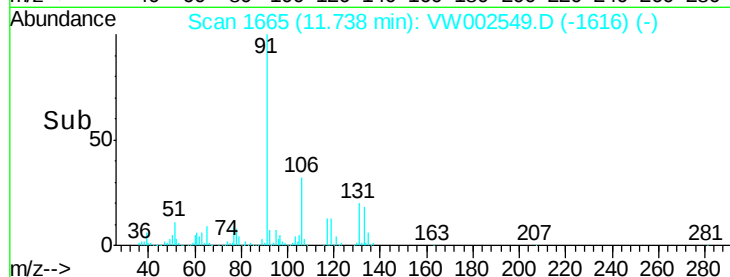
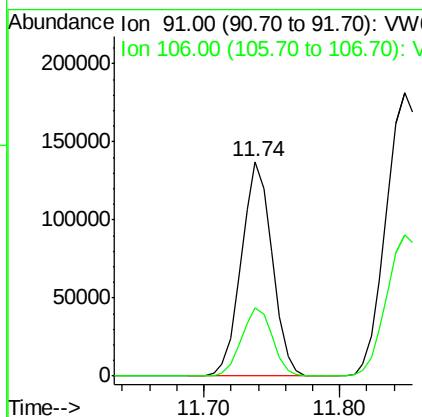
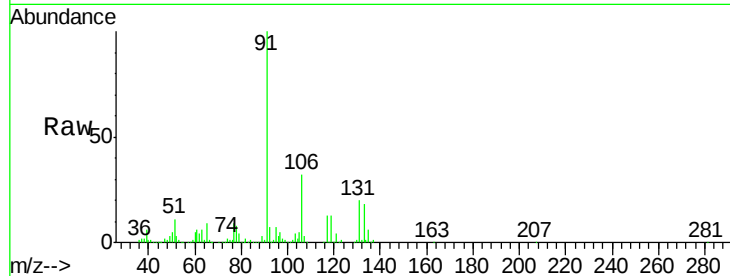




#67
Ethyl Benzene
Concen: 20.17 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

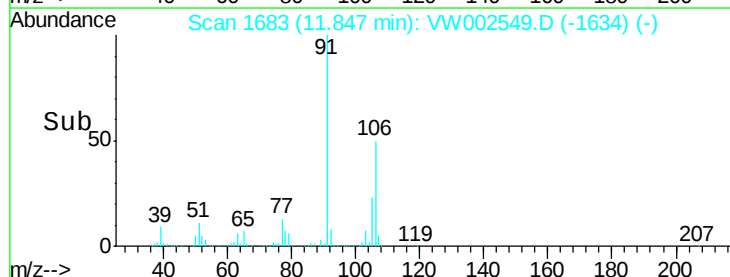
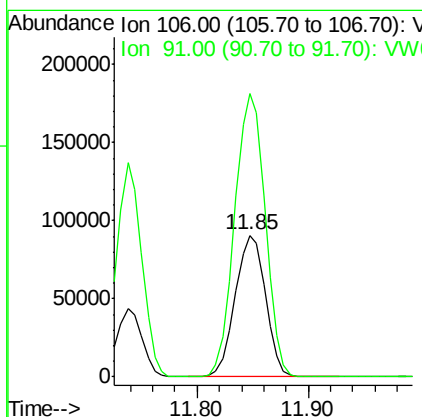
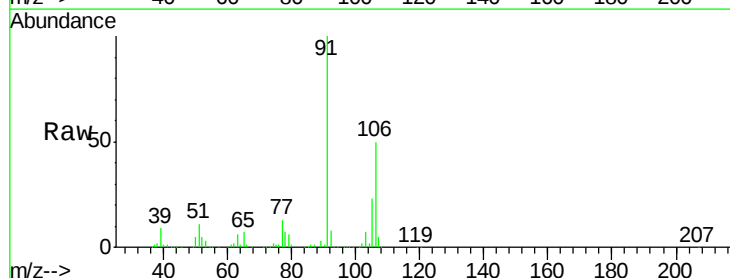
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS02

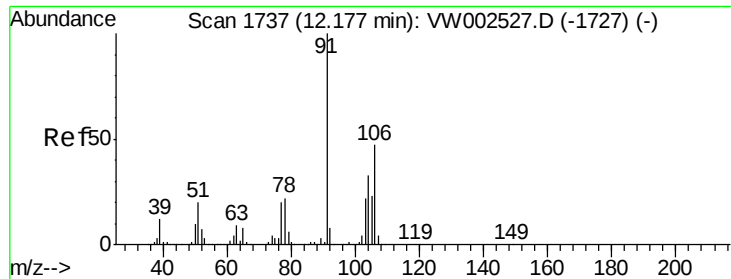
Tgt Ion: 91 Resp: 216974
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.0



#68
m/p-Xylenes
Concen: 40.82 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

Tgt Ion: 106 Resp: 170727
Ion Ratio Lower Upper
106 100
91 201.2 161.4 242.2

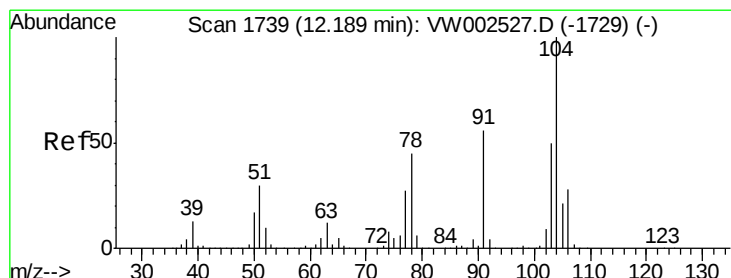
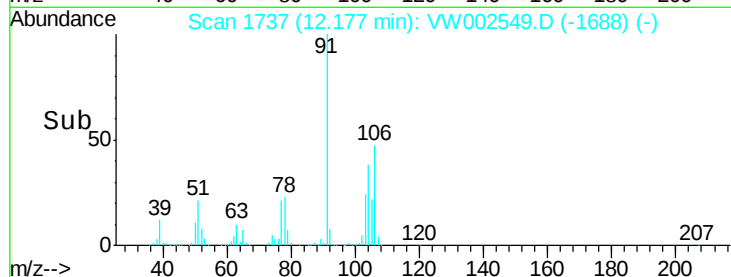
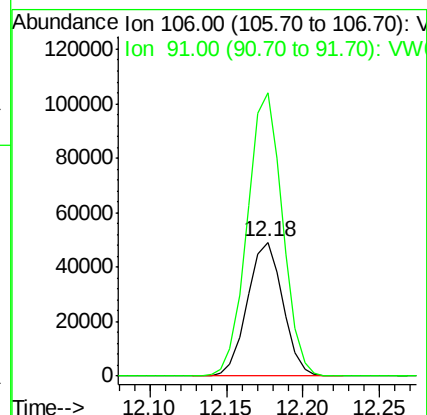
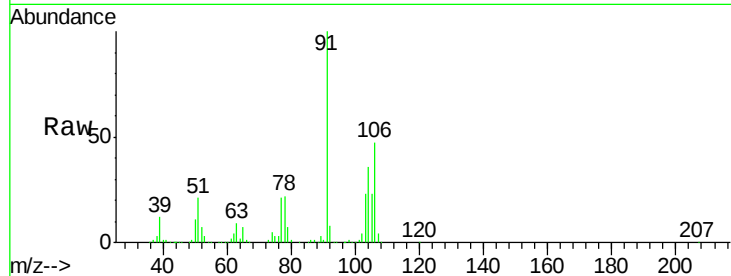




#69
o-Xylene
Concen: 19.94 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

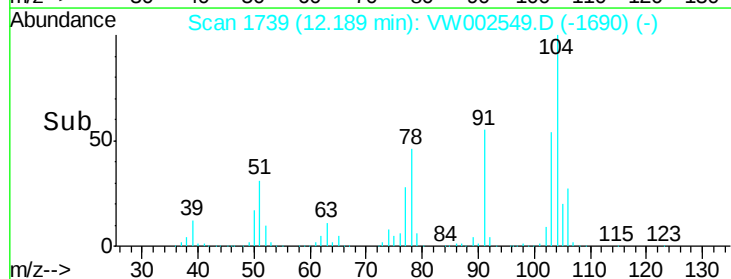
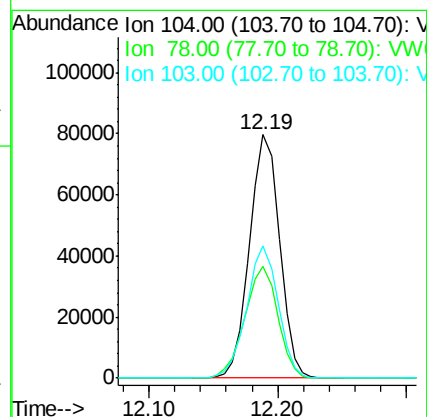
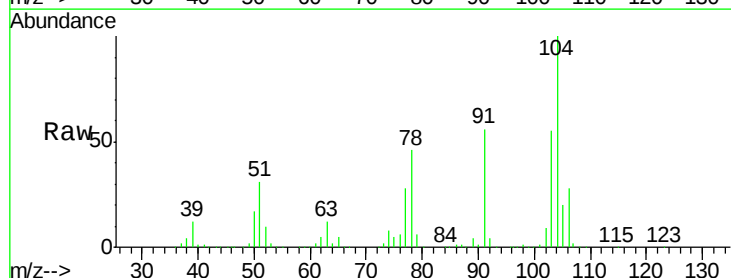
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS02

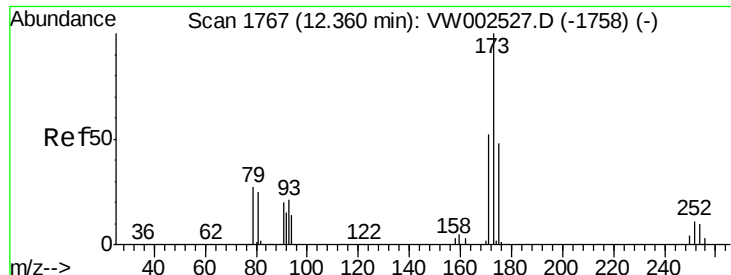
Tgt Ion:106 Resp: 79255
Ion Ratio Lower Upper
106 100
91 210.2 106.7 320.2



#70
Styrene
Concen: 19.42 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

Tgt Ion:104 Resp: 128475
Ion Ratio Lower Upper
104 100
78 50.4 40.1 60.1
103 57.2 44.6 66.8





#71

Bromoform

Concen: 18.01 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS02

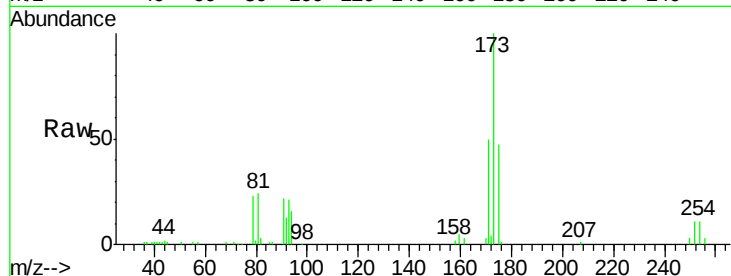
Tgt Ion:173 Resp: 23977

Ion Ratio Lower Upper

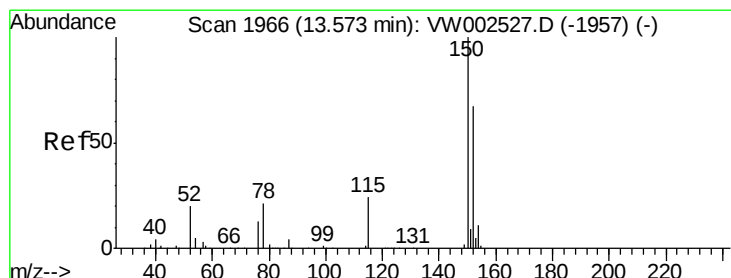
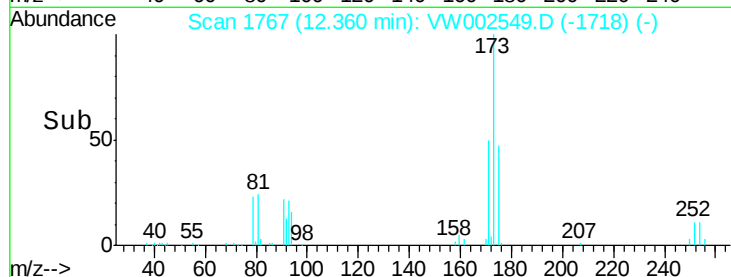
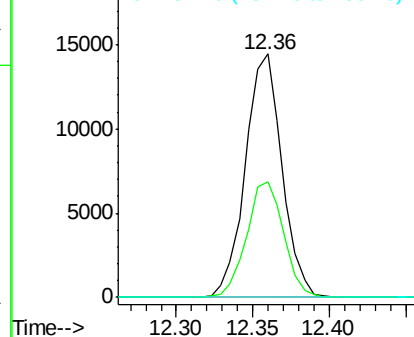
173 100

175 48.0 24.5 73.5

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.01 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

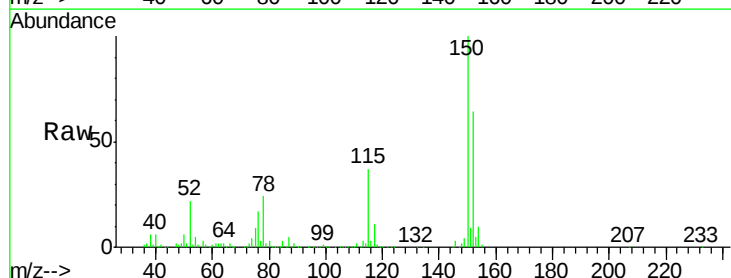
Tgt Ion:152 Resp: 172855

Ion Ratio Lower Upper

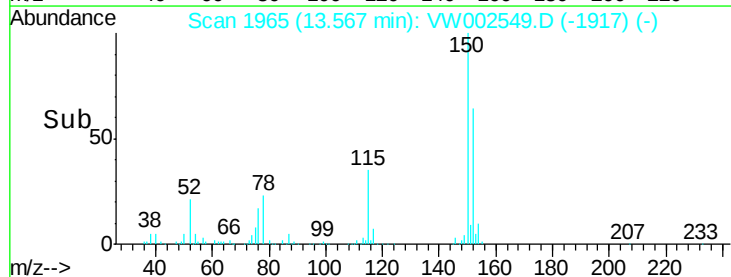
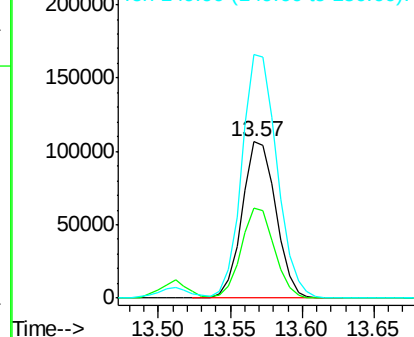
152 100

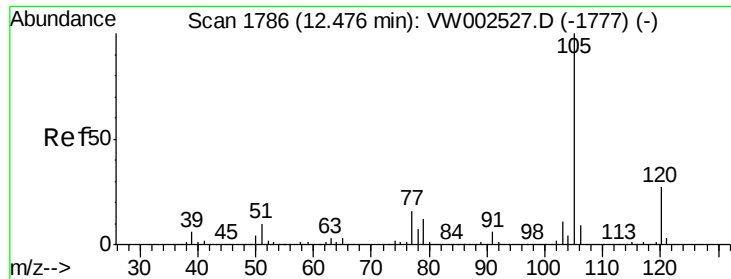
115 56.7 28.0 84.0

150 162.0 0.0 345.4



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





#73

Isopropylbenzene

Concen: 20.54 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

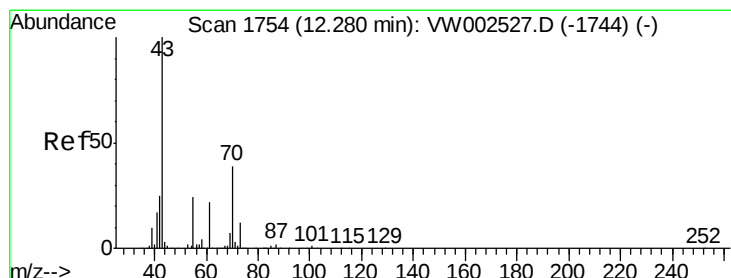
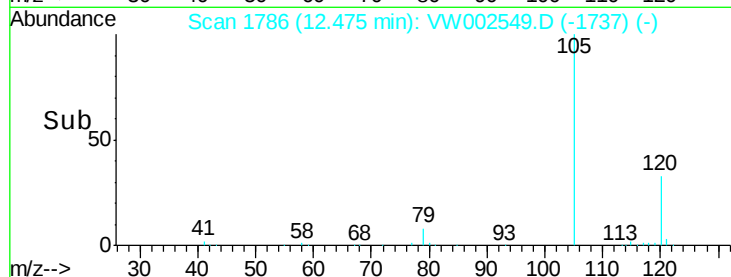
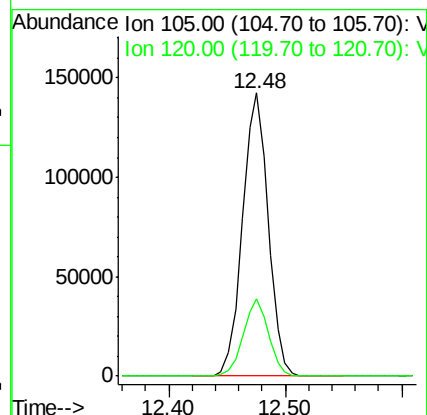
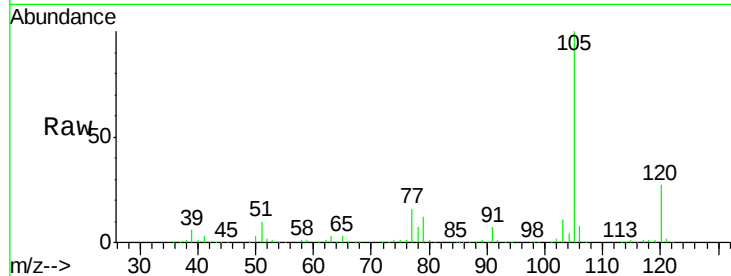
VW0515SBS02

Tgt Ion: 105 Resp: 218902

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 18.27 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Tgt Ion: 43 Resp: 49583

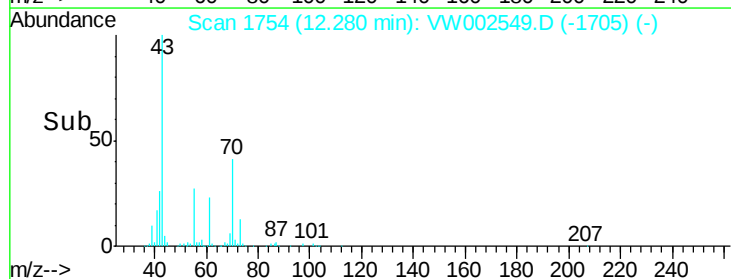
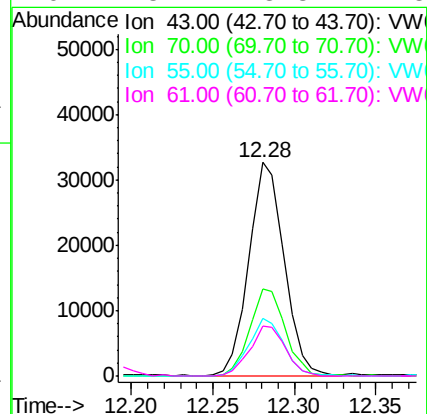
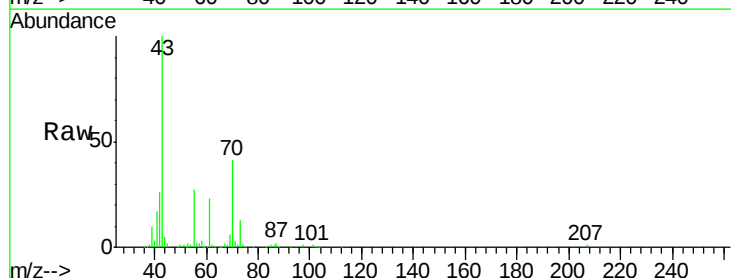
Ion Ratio Lower Upper

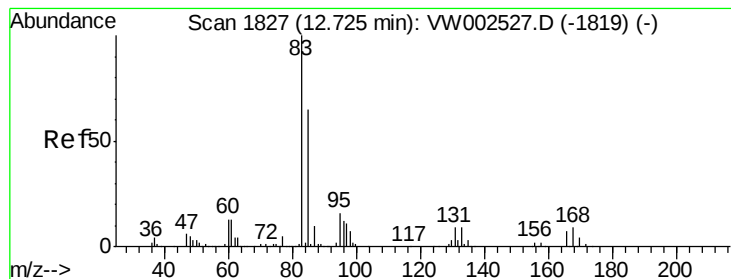
43 100

70 41.3 31.9 47.9

55 26.9 19.4 29.0

61 23.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.50 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS02

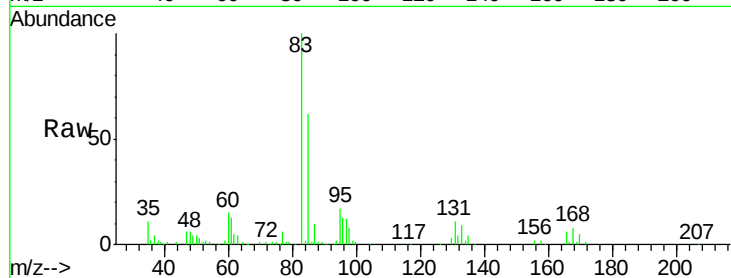
Tgt Ion: 83 Resp: 39937

Ion Ratio Lower Upper

83 100

131 10.4 5.4 16.2

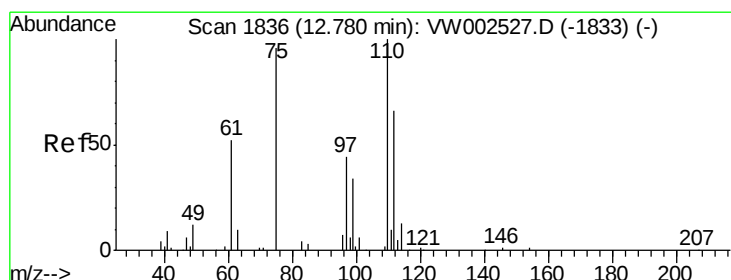
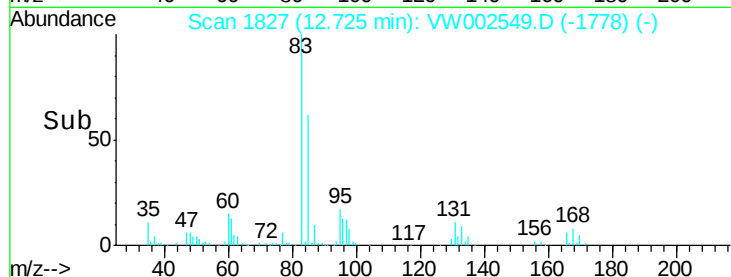
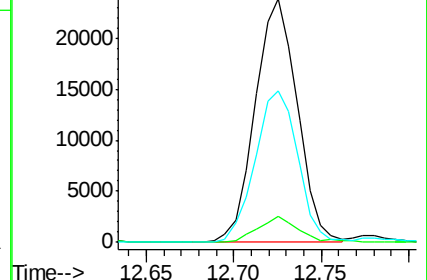
85 63.0 31.6 94.8



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: 31.56 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VW002549.D

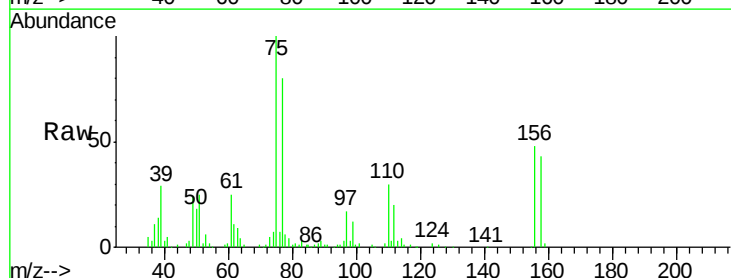
Acq: 15 May 2018 13:28

Tgt Ion: 75 Resp: 51567

Ion Ratio Lower Upper

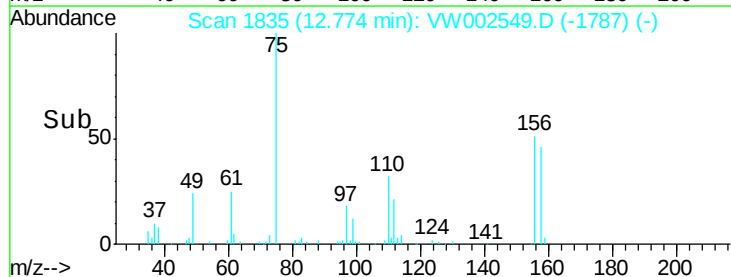
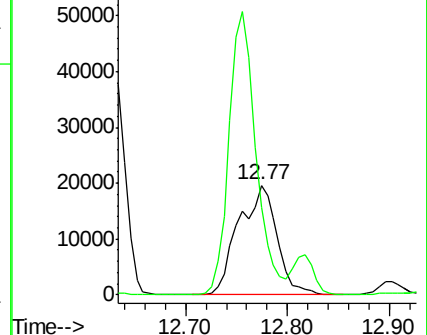
75 100

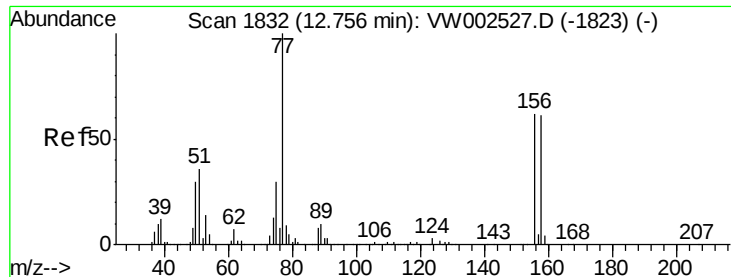
77 180.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.06 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS02

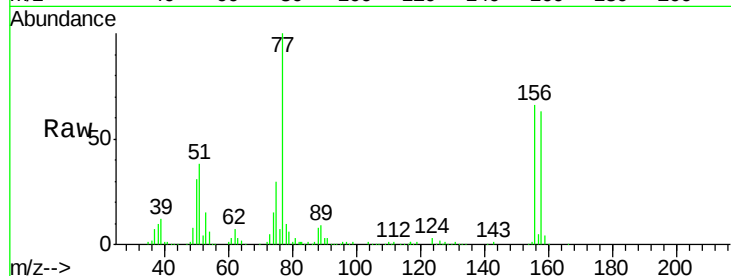
Tgt Ion:156 Resp: 54539

Ion Ratio Lower Upper

156 100

77 170.9 89.8 269.4

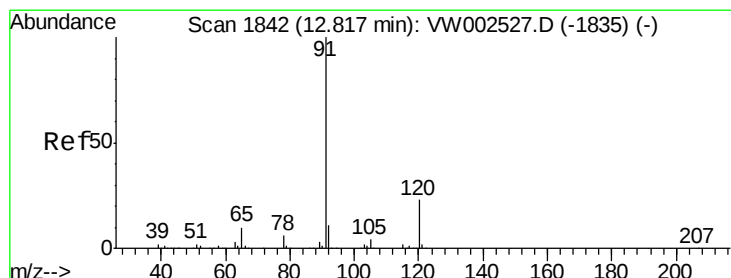
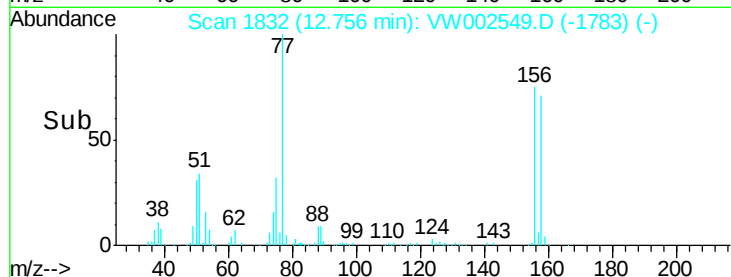
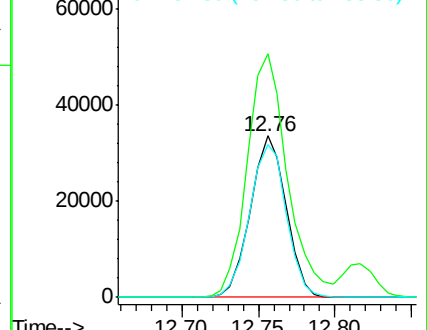
158 97.3 48.8 146.3



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: 20.98 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW002549.D

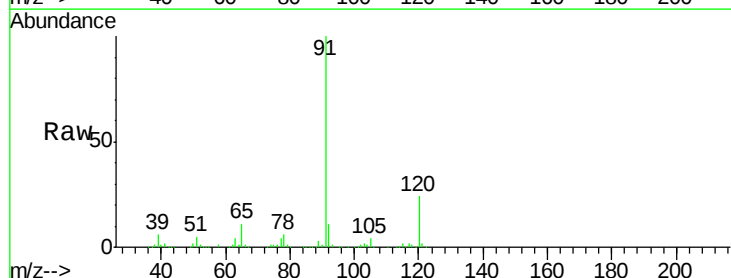
Acq: 15 May 2018 13:28

Tgt Ion: 91 Resp: 269964

Ion Ratio Lower Upper

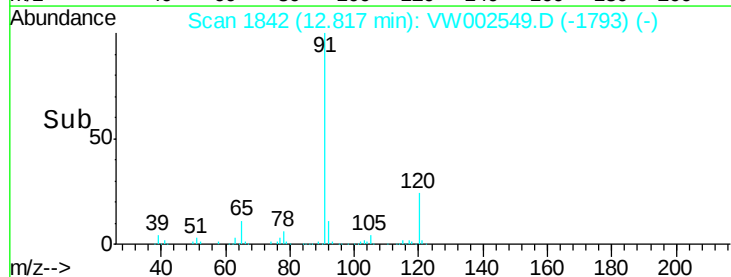
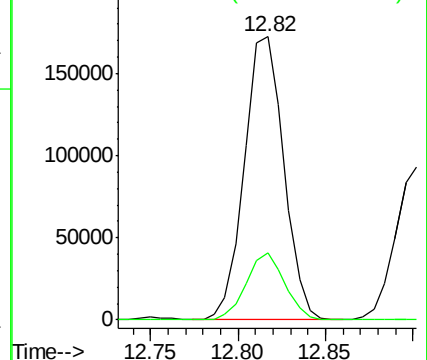
91 100

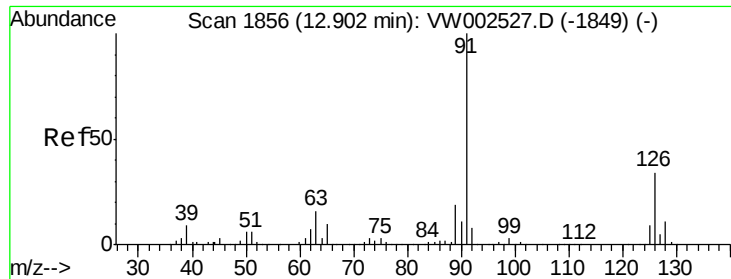
120 23.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

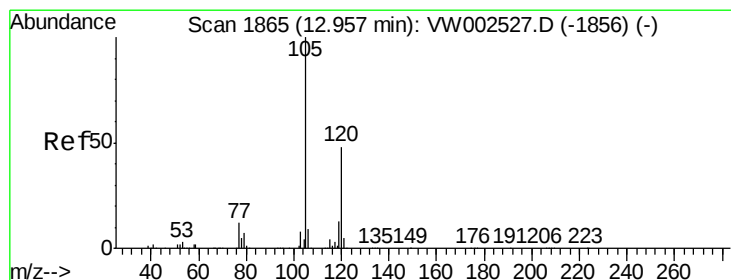
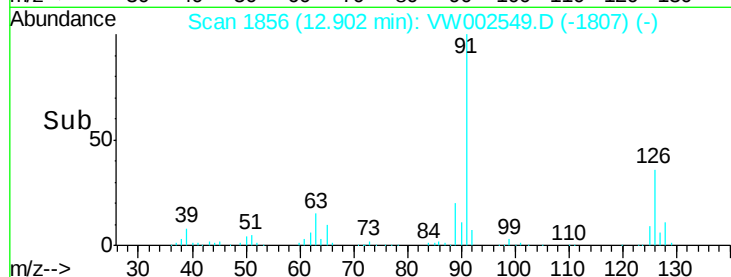
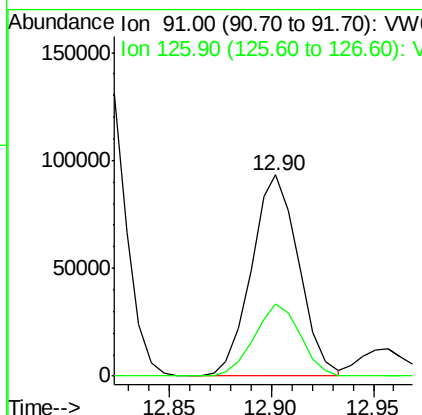
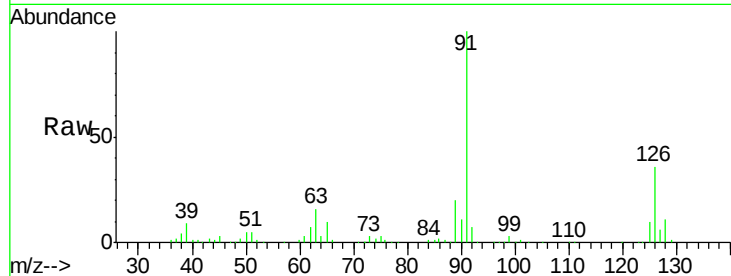




#79
 2-Chlorotoluene
 Concen: 20.50 ug/l
 RT: 12.90 min Scan# 1856
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

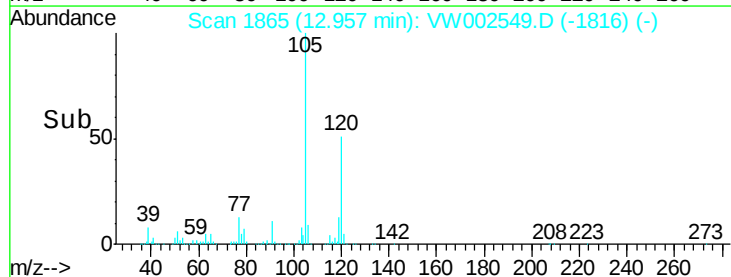
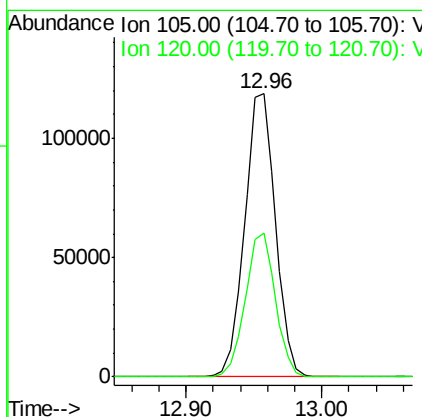
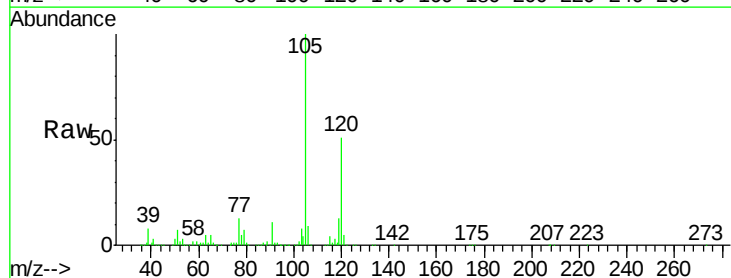
Instrument :
 MSVOA_W
 ClientSampled :
 VW0515SBS02

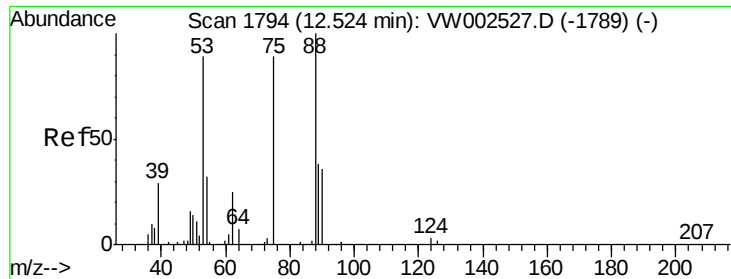
Tgt Ion: 91 Resp: 149771
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.60 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Tgt Ion: 105 Resp: 187354
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.18 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS02

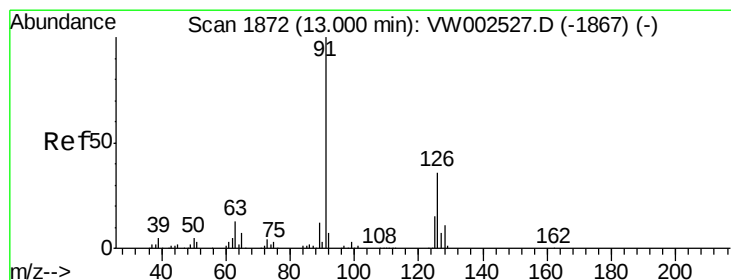
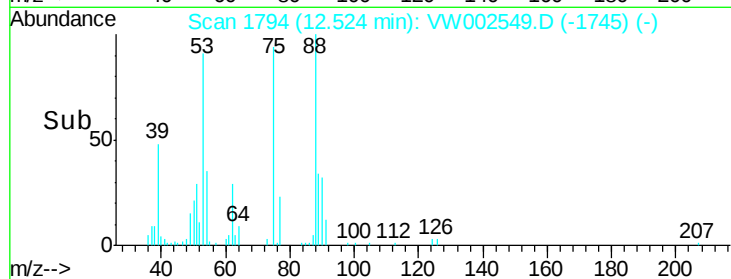
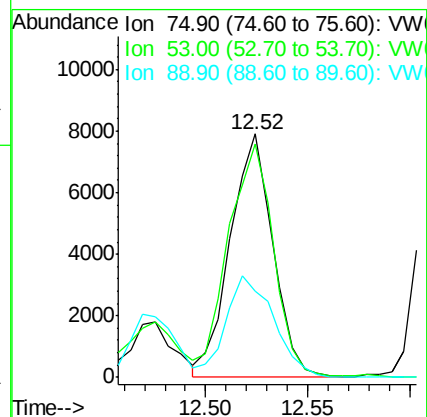
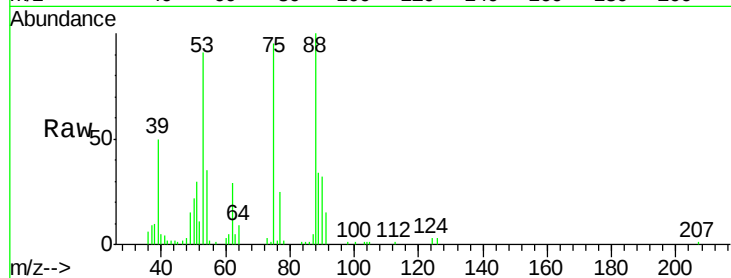
Tgt Ion: 75 Resp: 11497

Ion Ratio Lower Upper

75 100

53 100.3 82.6 124.0

89 46.9 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.25 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VW002549.D

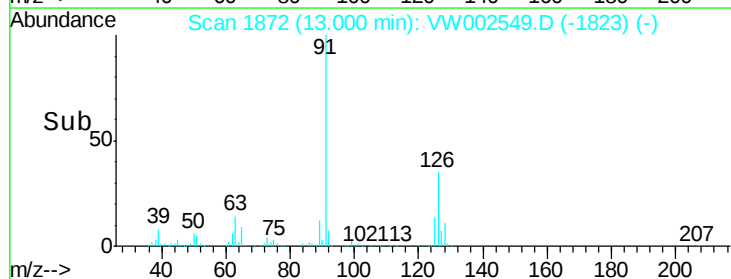
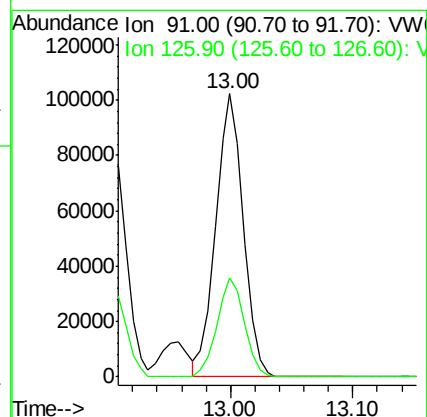
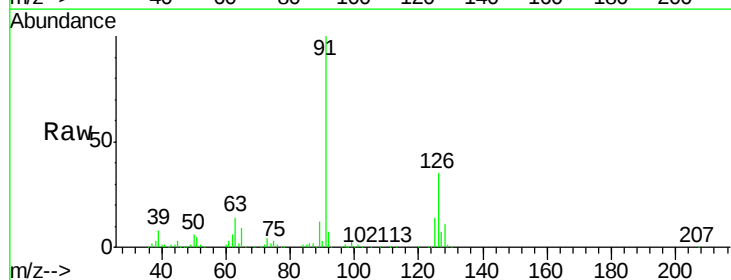
Acq: 15 May 2018 13:28

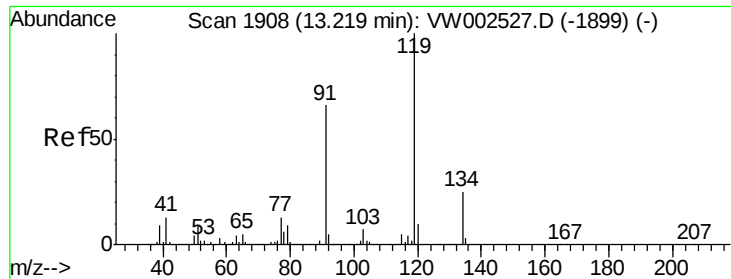
Tgt Ion: 91 Resp: 160033

Ion Ratio Lower Upper

91 100

126 34.9 17.5 52.5

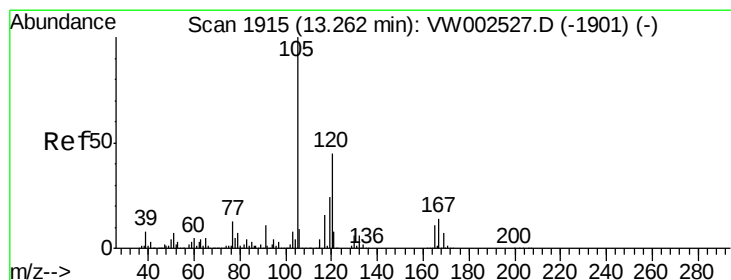
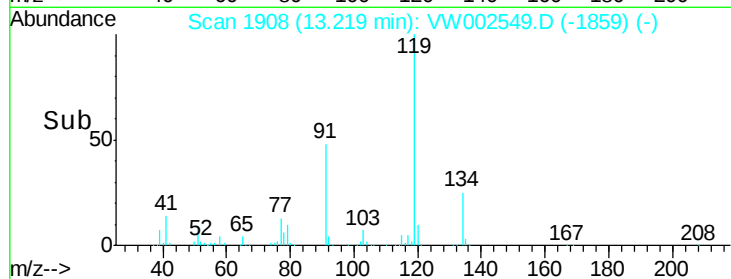
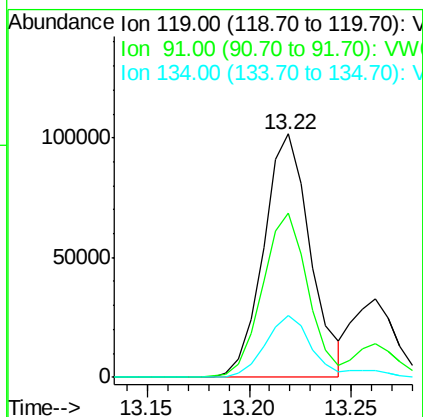
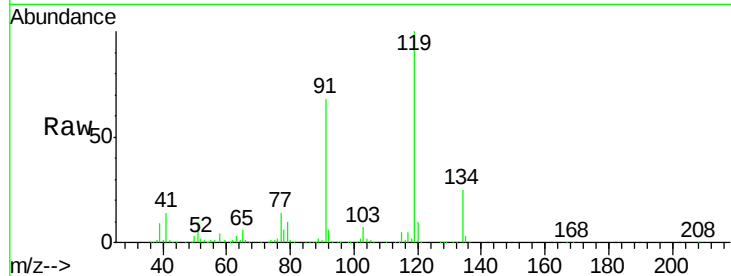




#83
 tert-Butylbenzene
 Concen: 20.69 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

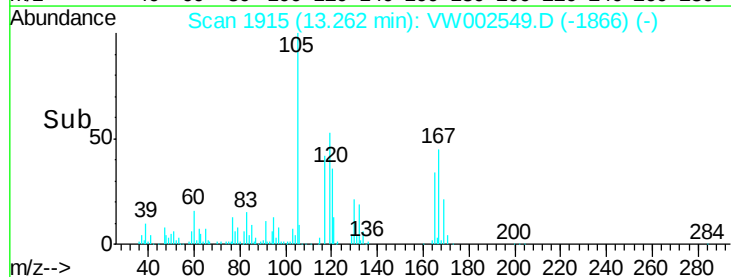
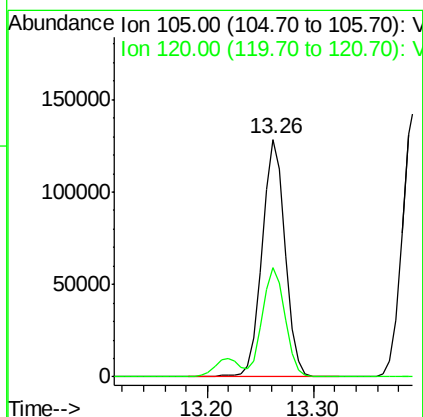
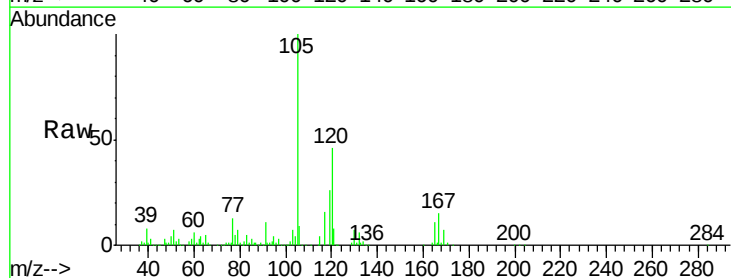
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS02

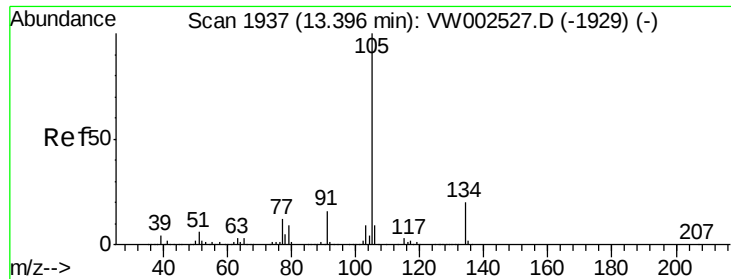
Tgt Ion:119 Resp: 162465
 Ion Ratio Lower Upper
 119 100
 91 65.7 32.5 97.5
 134 27.0 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.64 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Tgt Ion:105 Resp: 194861
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.3 66.9

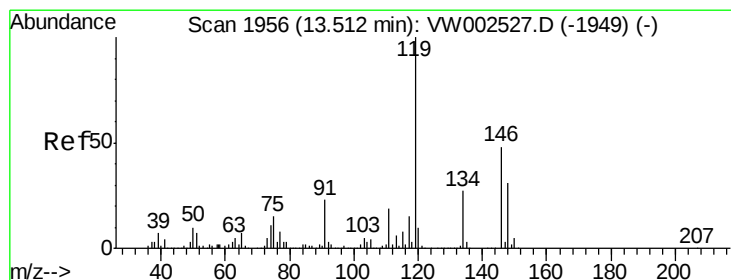
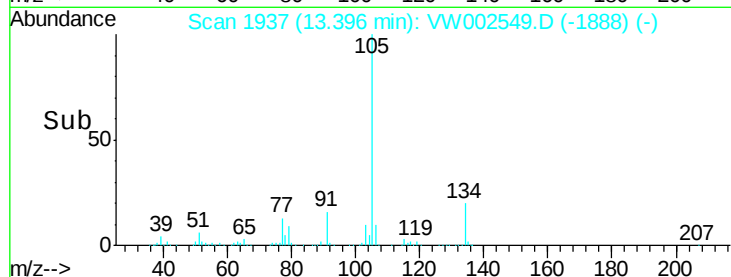
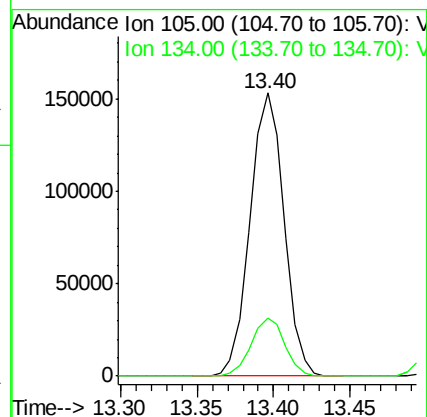
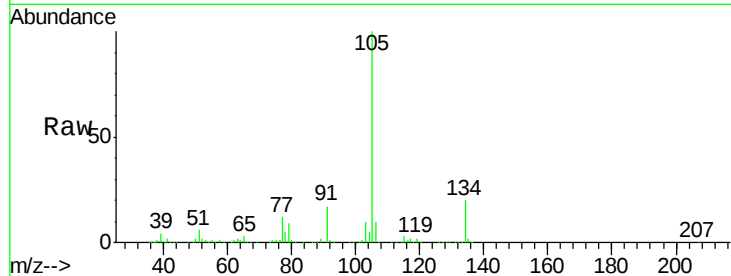




#85
 sec-Butylbenzene
 Concen: 21.00 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

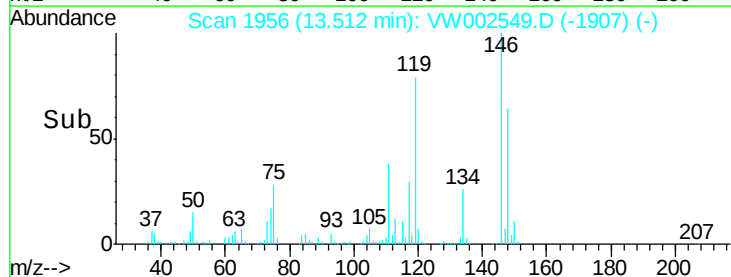
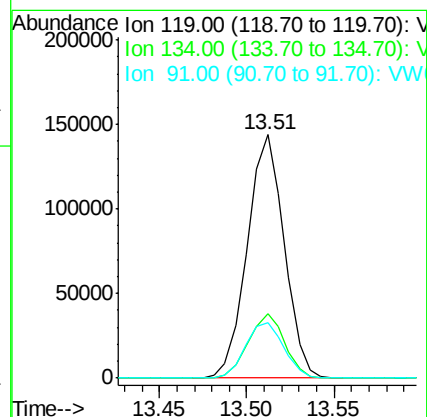
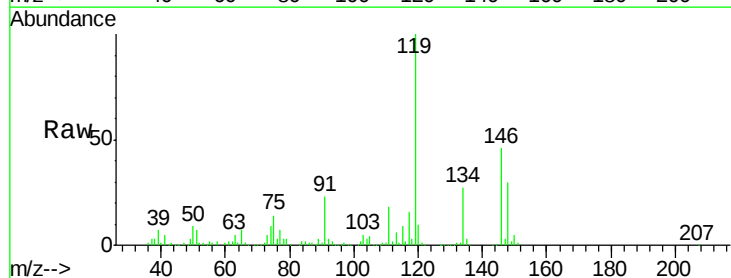
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS02

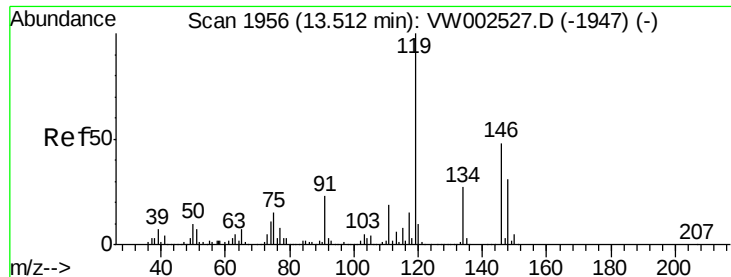
Tgt Ion:105 Resp: 236956
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 20.75 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Tgt Ion:119 Resp: 210568
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.4 40.1
 91 23.8 11.6 34.8

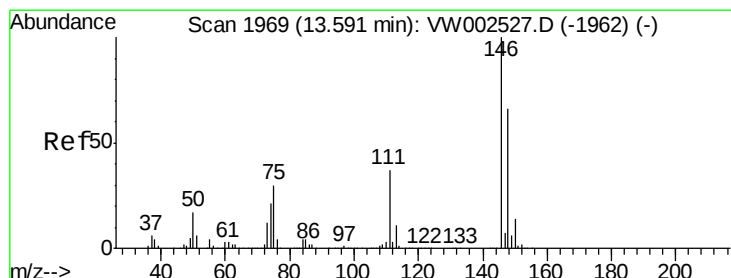
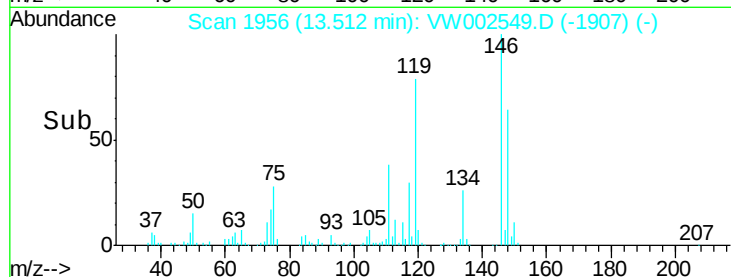
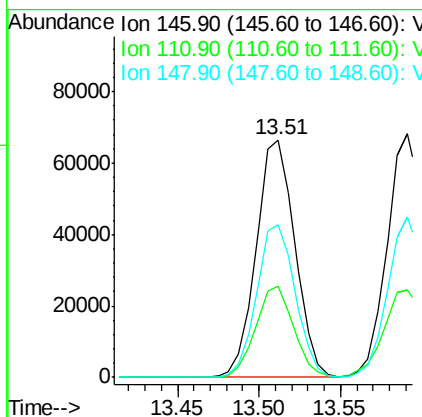
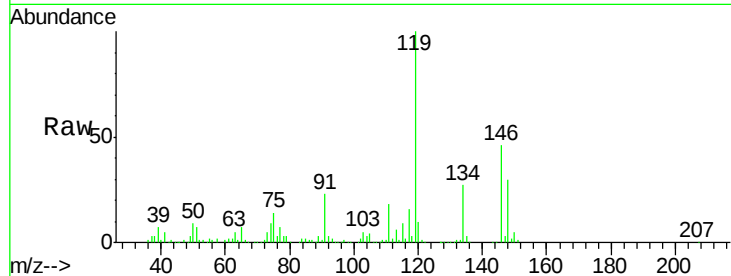




#87
 1,3-Dichlorobenzene
 Concen: 19.86 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

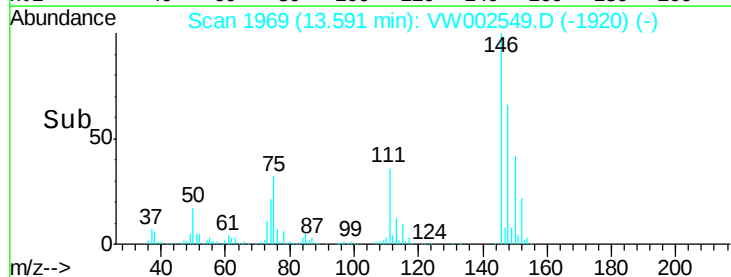
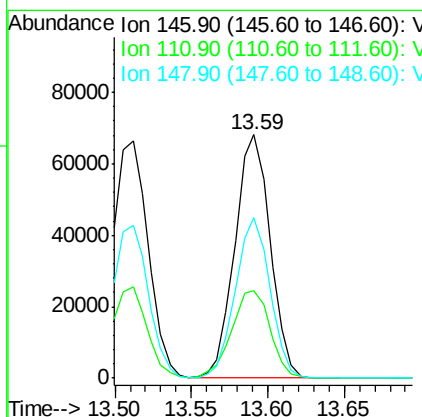
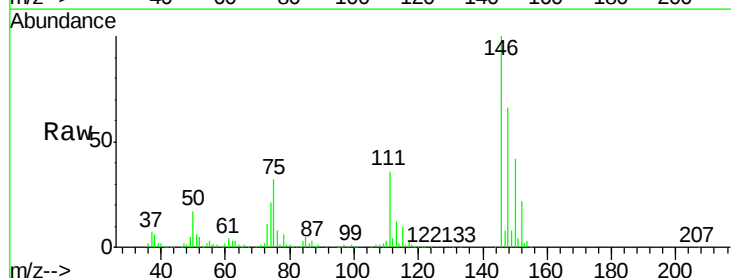
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS02

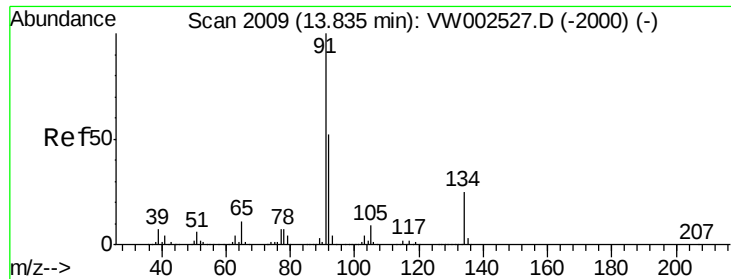
Tgt Ion:146 Resp: 109192
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.6 58.7
 148 64.3 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.00 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Tgt Ion:146 Resp: 109407
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.9 56.5
 148 64.8 32.4 97.0





#89

n-Butylbenzene

Concen: 20.95 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW002549.D

Acq: 15 May 2018 13:28

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS02

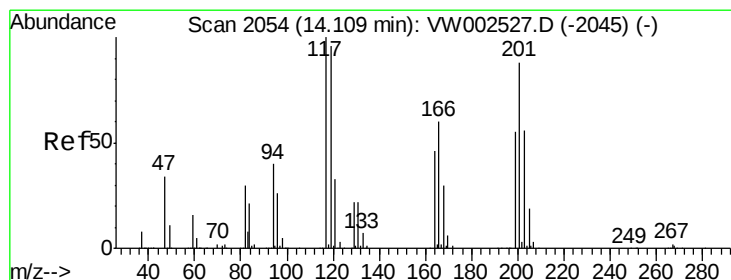
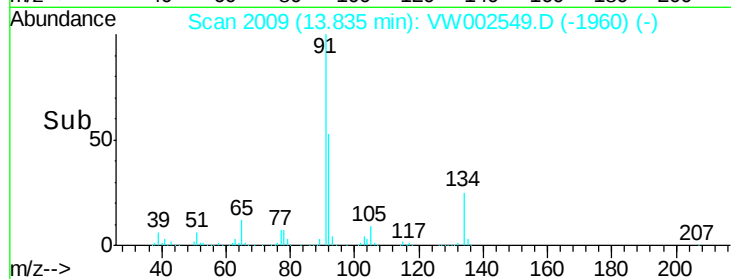
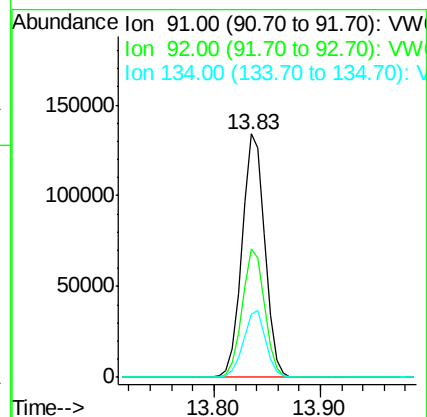
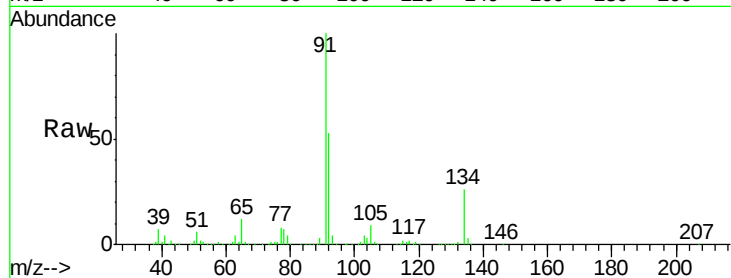
Tgt Ion: 91 Resp: 201075

Ion Ratio Lower Upper

91 100

92 52.2 26.1 78.2

134 27.0 13.1 39.1



#90

Hexachloroethane

Concen: 19.82 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VW002549.D

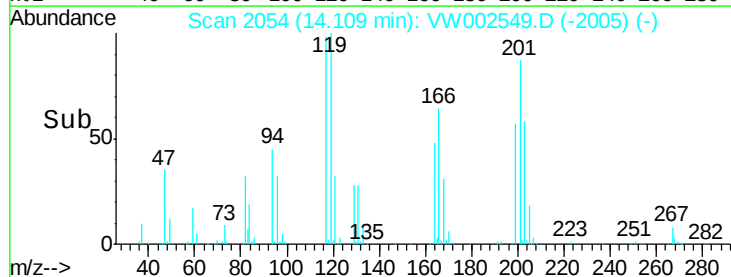
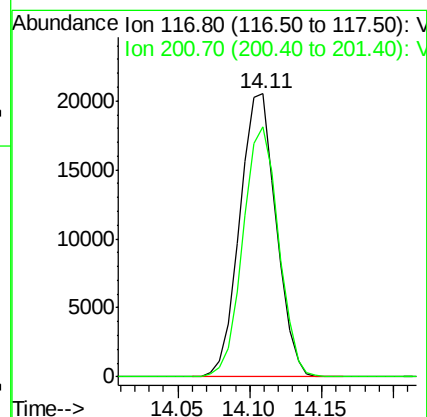
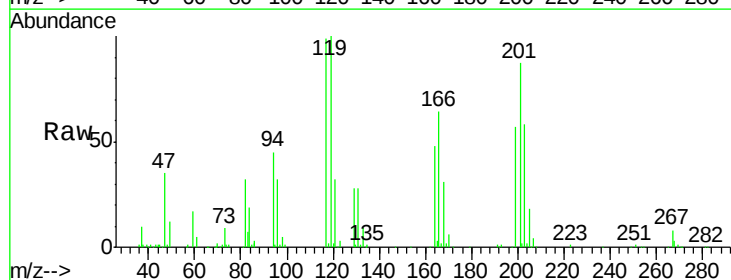
Acq: 15 May 2018 13:28

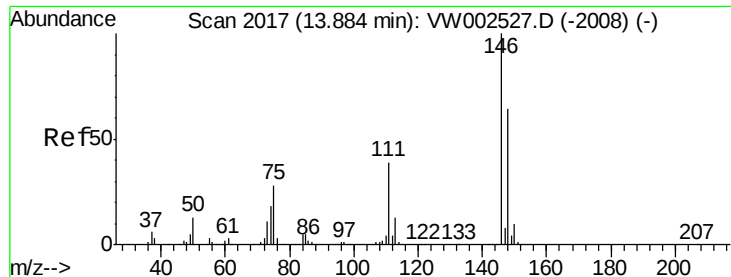
Tgt Ion: 117 Resp: 36013

Ion Ratio Lower Upper

117 100

201 86.0 42.0 126.0

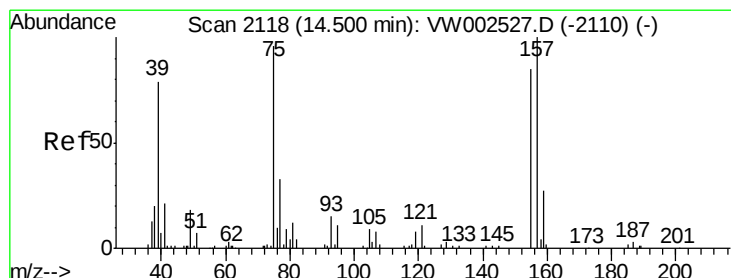
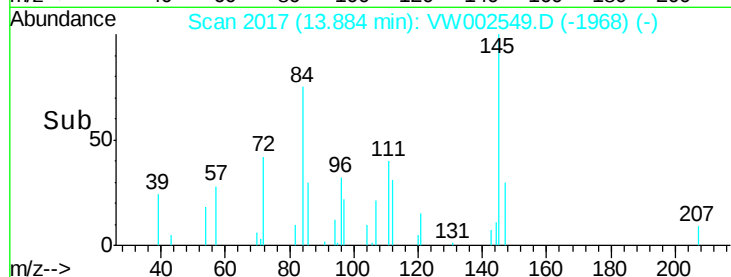
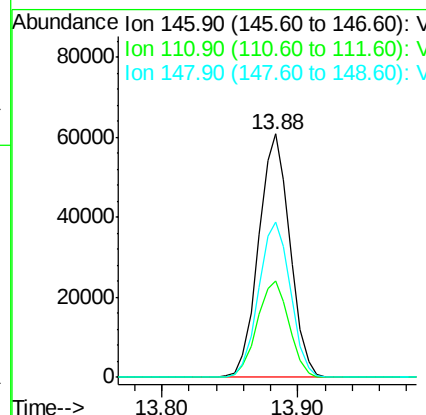
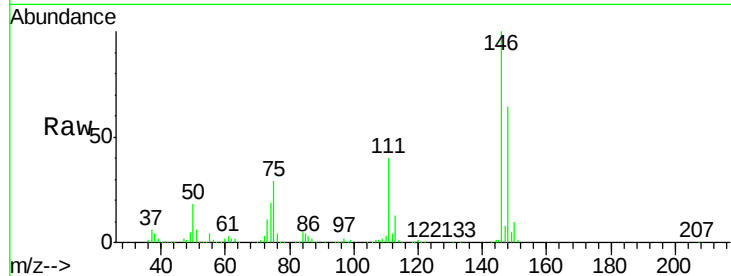




#91
 1,2-Dichlorobenzene
 Concen: 19.67 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

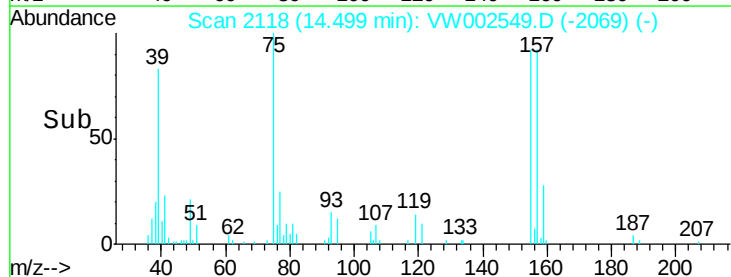
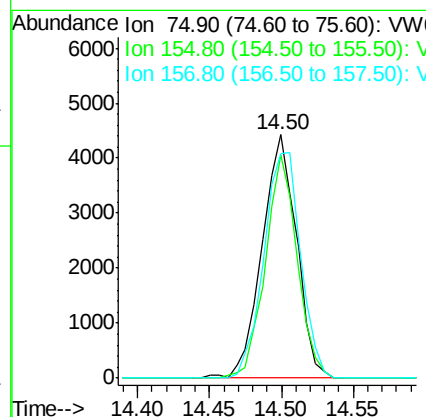
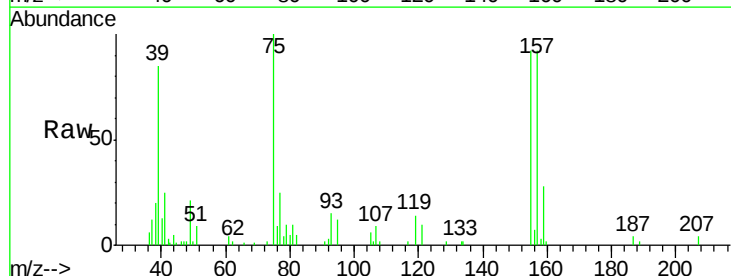
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS02

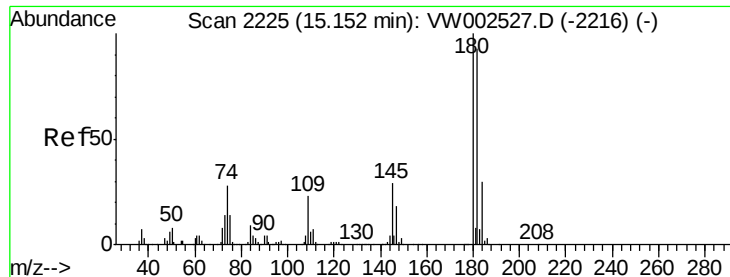
Tgt Ion: 146 Resp: 98131
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.9 59.6
 148 64.9 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.21 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Tgt Ion: 75 Resp: 7316
 Ion Ratio Lower Upper
 75 100
 155 84.3 42.8 128.4
 157 99.2 57.4 172.0

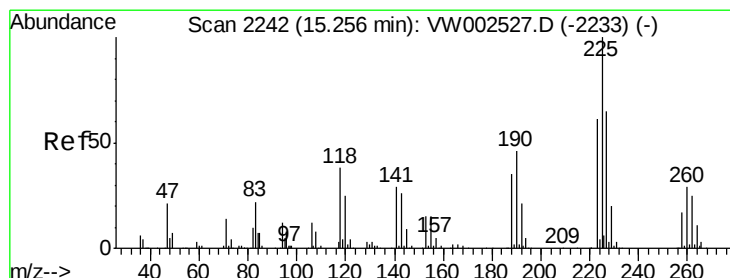
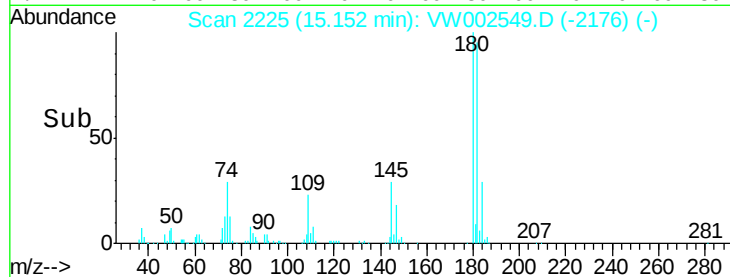
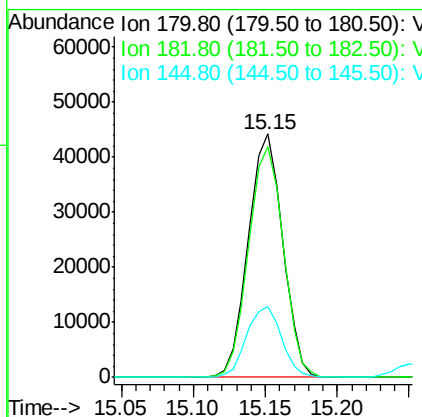
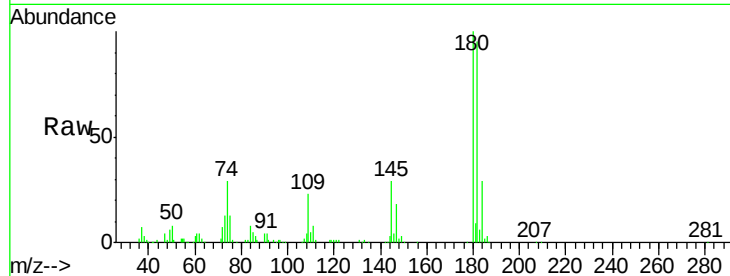




#93
 1,2,4-Trichlorobenzene
 Concen: 20.14 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

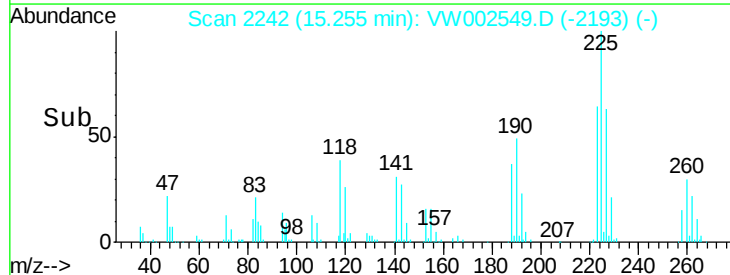
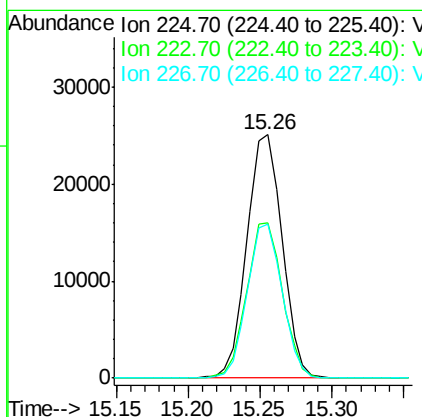
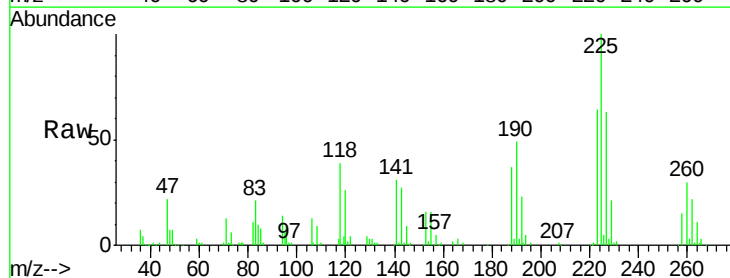
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS02

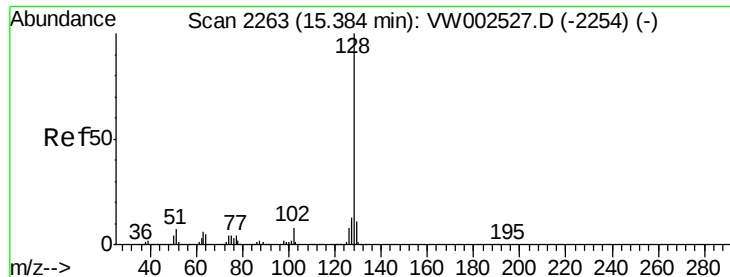
Tgt Ion:180 Resp: 73158
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.2 141.6
 145 29.6 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 21.04 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: VW002549.D
 Acq: 15 May 2018 13:28

Tgt Ion:225 Resp: 42516
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.3 93.9
 227 62.6 31.9 95.5

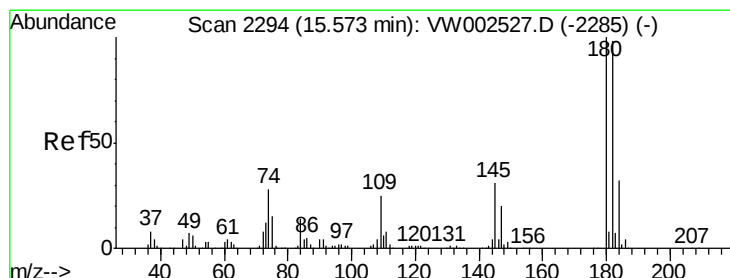
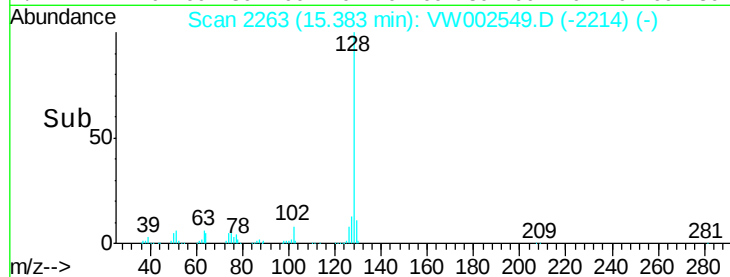
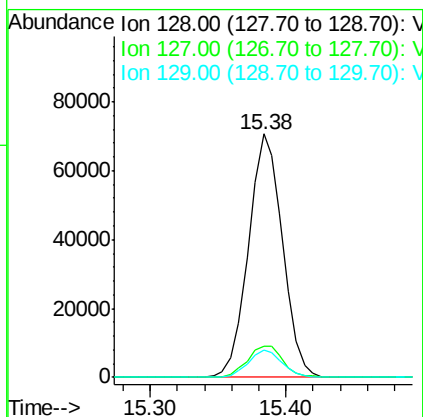
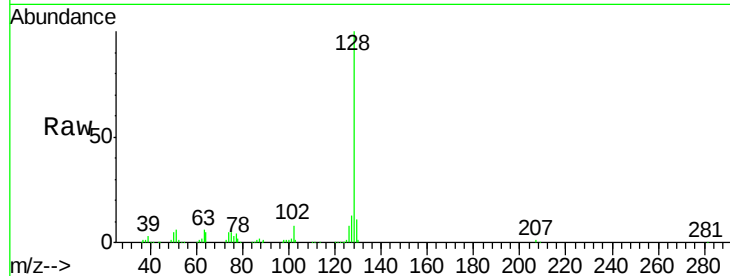




#95
Naphthalene
Concen: 18.73 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS02

Tgt Ion:128 Resp: 123698
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 11.3 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.04 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VW002549.D
Acq: 15 May 2018 13:28

Tgt Ion:180 Resp: 65113
Ion Ratio Lower Upper
180 100
182 94.1 47.3 141.8
145 30.5 15.5 46.5

