

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002533.D
 Acq On : 15 May 2018 01:26
 Operator : JC/SY
 Sample : VW0514SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

Quant Time: May 15 07:30:32 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	230864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	329123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	178060	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	123451	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
35) Dibromofluoromethane	7.88	113	112162	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.33	98	431978	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.63	95	156232	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.00	85	14236	15.98	ug/l	92
3) Chloromethane	2.21	50	33742	19.80	ug/l	99
4) Vinyl Chloride	2.36	62	51857	19.41	ug/l	96
5) Bromomethane	2.76	94	45152	20.61	ug/l	99
6) Chloroethane	2.92	64	37720	20.51	ug/l	90
7) Trichlorofluoromethane	3.25	101	23624	20.06	ug/l	99
8) Diethyl Ether	3.67	74	27826	19.75	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.04	101	39757	20.38	ug/l	99
10) Methyl Iodide	4.26	142	63270	20.35	ug/l	99
11) Tert butyl alcohol	5.19	59	17963	97.95	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	39754	20.59	ug/l	99
13) Acrolein	3.89	56	19639	108.71	ug/l	98
14) Allyl chloride	4.65	41	60483	21.11	ug/l	99
15) Acrylonitrile	5.37	53	53153	104.61	ug/l	99
16) Acetone	4.12	43	51765	102.78	ug/l	99
17) Carbon Disulfide	4.37	76	108839	20.48	ug/l	98
18) Methyl Acetate	4.67	43	27235	18.55	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	73539	20.73	ug/l	98
20) Methylene Chloride	4.90	84	44611	20.65	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	43447	20.81	ug/l	95
22) Diisopropyl ether	6.31	45	131083	20.65	ug/l	99
23) Vinyl Acetate	6.25	43	403829	104.98	ug/l	98
24) 1,1-Dichloroethane	6.21	63	79987	20.91	ug/l	98
25) 2-Butanone	7.17	43	75039	105.36	ug/l	98
26) 2,2-Dichloropropane	7.16	77	41203	19.22	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	47962	20.14	ug/l	100
28) Bromochloromethane	7.51	49	35891	21.02	ug/l	99
29) Tetrahydrofuran	7.53	42	48259	108.47	ug/l	98
30) Chloroform	7.67	83	83408	20.42	ug/l	97
31) Cyclohexane	7.95	56	68510	20.22	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	63041	20.46	ug/l	99
36) 1,1-Dichloropropene	8.08	75	62472	19.96	ug/l	100
37) Ethyl Acetate	7.26	43	32187	20.73	ug/l	97
38) Carbon Tetrachloride	8.07	117	59890	19.54	ug/l	97

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 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)
39) Methylcyclohexane	9.34	83	71215	19.86	ug/l	98
40) Benzene	8.32	78	179269	19.95	ug/l	97
41) Methacrylonitrile	7.48	41	20191	23.24	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	57751	20.23	ug/l	100
43) Isopropyl Acetate	8.43	43	61431	20.57	ug/l	100
44) Trichloroethene	9.09	130	50754	20.61	ug/l	99
45) 1,2-Dichloropropane	9.37	63	45324	19.79	ug/l	99
46) Dibromomethane	9.46	93	25796	19.79	ug/l	97
47) Bromodichloromethane	9.65	83	60736	19.98	ug/l	99
48) Methyl methacrylate	9.44	41	28472	19.68	ug/l	98
49) 1,4-Dioxane	9.45	88	8971	413.04	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	165972	101.23	ug/l	100
52) Toluene	10.40	92	114845	20.21	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	58553	19.05	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	68595	20.02	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	36716	20.00	ug/l	98
56) Ethyl methacrylate	10.65	69	44468	19.87	ug/l	99
57) 1,3-Dichloropropane	10.94	76	62718	20.59	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	116436	106.00	ug/l	100
59) 2-Hexanone	10.98	43	116032	102.51	ug/l	98
60) Dibromochloromethane	11.13	129	42536	19.63	ug/l	97
61) 1,2-Dibromoethane	11.24	107	36114	20.38	ug/l	100
64) Tetrachloroethene	10.87	164	48447	20.88	ug/l	97
65) Chlorobenzene	11.66	112	130271	19.87	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	46702	19.90	ug/l	99
67) Ethyl Benzene	11.74	91	225206	20.21	ug/l	97
68) m/p-Xylenes	11.85	106	174659	40.32	ug/l	97
69) o-Xylene	12.18	106	81117	19.71	ug/l	99
70) Styrene	12.19	104	134524	19.64	ug/l	99
71) Bromoform	12.35	173	26408	19.15	ug/l #	97
73) Isopropylbenzene	12.48	105	224209	20.43	ug/l	100
74) N-amyl acetate	12.28	43	58870	21.05	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	45658	20.53	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	57087	33.92	ug/l #	100
77) Bromobenzene	12.76	156	58273	20.81	ug/l	95
78) n-propylbenzene	12.82	91	268957	20.29	ug/l	100
79) 2-Chlorotoluene	12.90	91	153853	20.44	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	186501	19.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11008	17.83	ug/l	93
82) 4-Chlorotoluene	13.00	91	162169	19.92	ug/l	99
83) tert-Butylbenzene	13.22	119	163446	20.21	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	194260	19.98	ug/l	98
85) sec-Butylbenzene	13.40	105	233341	20.08	ug/l	100
86) p-Isopropyltoluene	13.51	119	210348	20.12	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	112584	19.88	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	116313	20.64	ug/l	99
89) n-Butylbenzene	13.83	91	198386	20.06	ug/l	99
90) Hexachloroethane	14.10	117	37592	20.08	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	105224	20.48	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	7915	20.17	ug/l	100

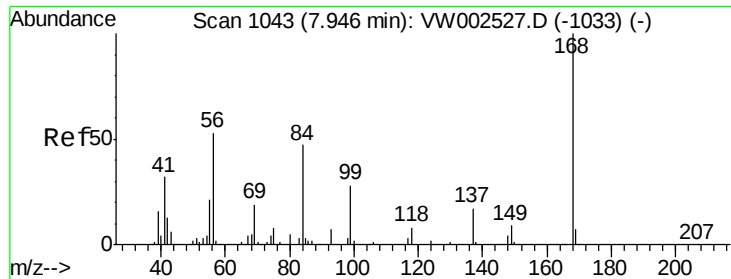
Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
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QLast Update : Tue May 15 03:32:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	77774	20.79	ug/l	99
94) Hexachlorobutadiene	15.25	225	42751	20.53	ug/l	100
95) Naphthalene	15.38	128	145790	21.43	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	70135	20.95	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

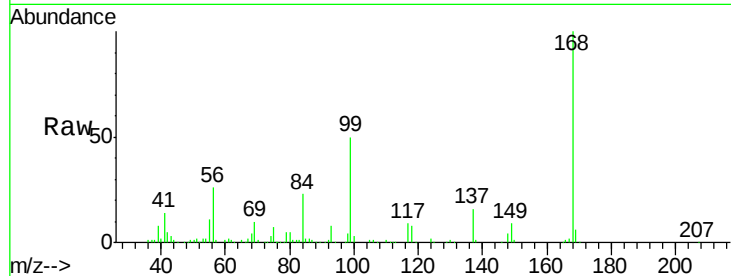
VW0515SBS01

Tgt Ion:168 Resp: 230864

Ion Ratio Lower Upper

168 100

99 50.4 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

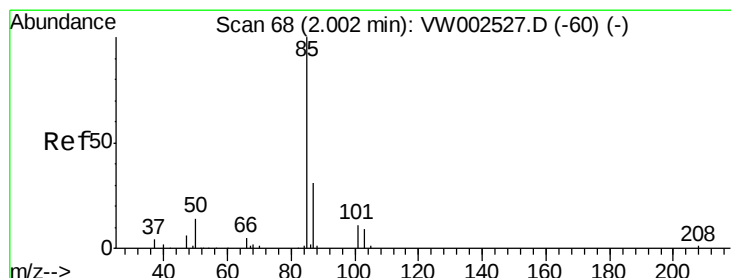
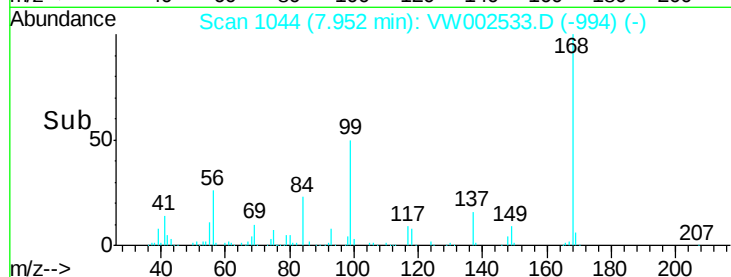
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 15.98 ug/l

RT: 2.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VW002533.D

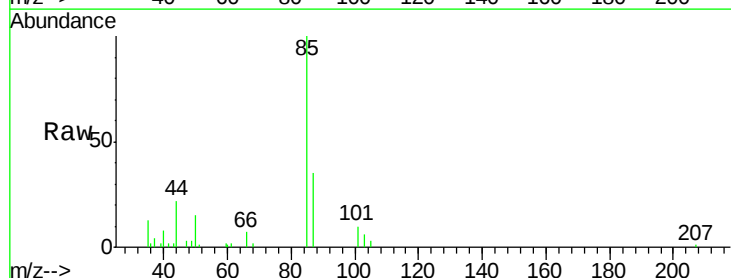
Acq: 15 May 2018 01:26

Tgt Ion: 85 Resp: 14236

Ion Ratio Lower Upper

85 100

87 34.9 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

5000

4000

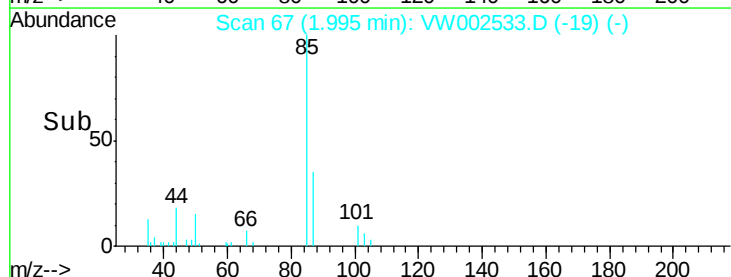
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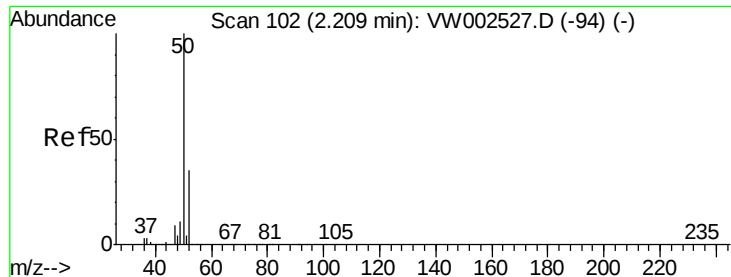
2000

1000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 19.80 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

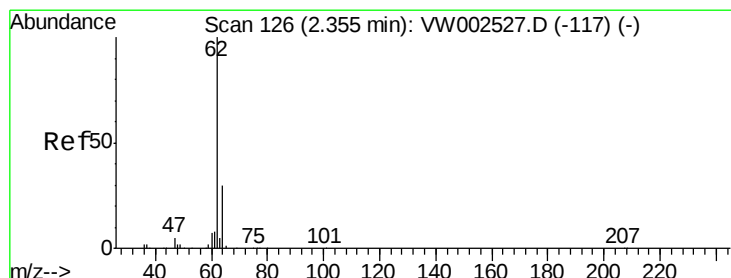
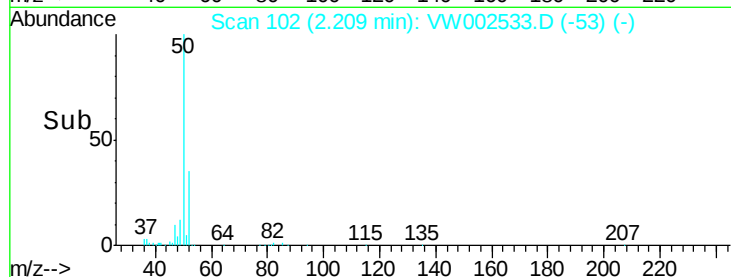
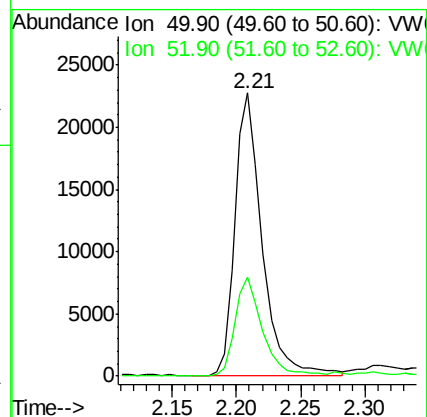
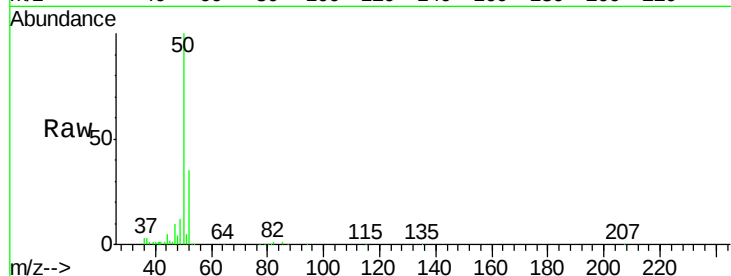
VW0515SBS01

Tgt Ion: 50 Resp: 33742

Ion Ratio Lower Upper

50 100

52 35.2 27.8 41.8



#4

Vinyl Chloride

Concen: 19.41 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002533.D

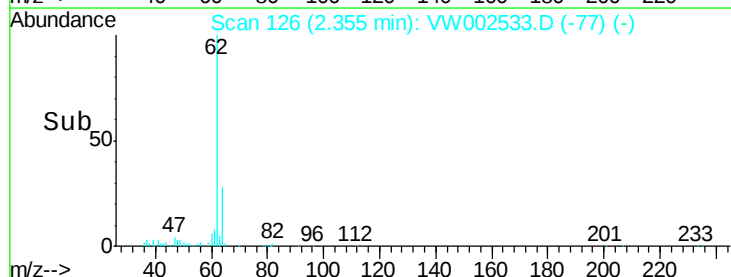
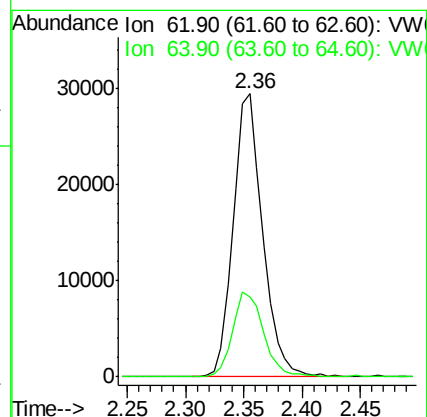
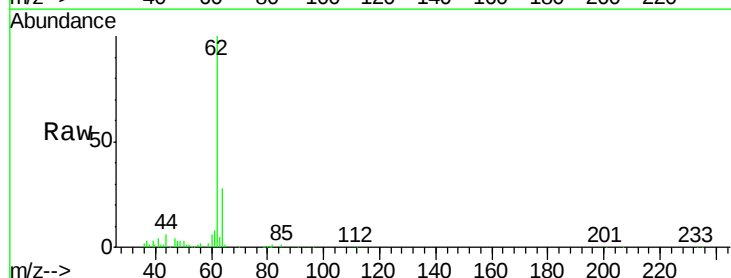
Acq: 15 May 2018 01:26

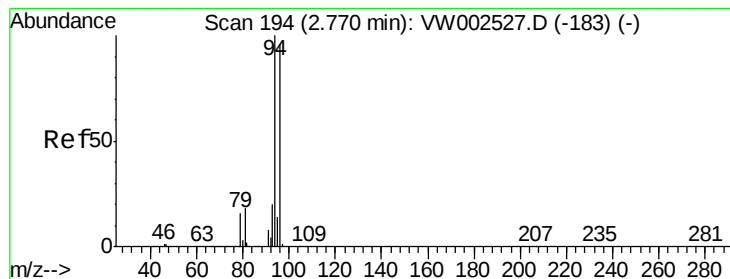
Tgt Ion: 62 Resp: 51857

Ion Ratio Lower Upper

62 100

64 28.1 24.0 36.0





#5

Bromomethane

Concen: 20.61 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

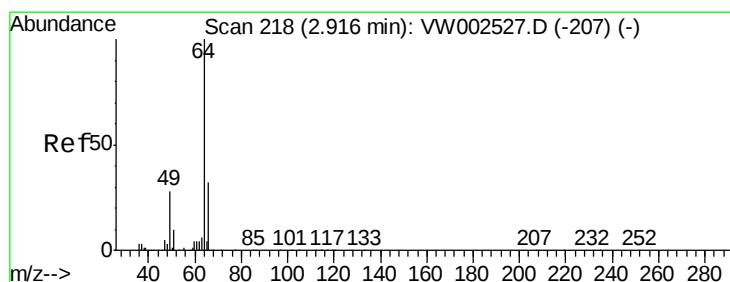
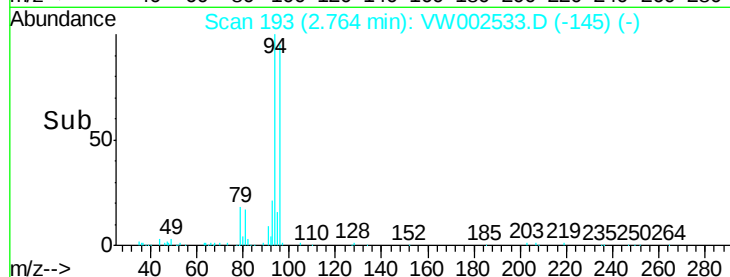
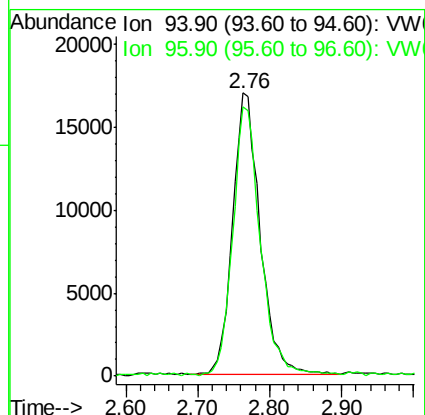
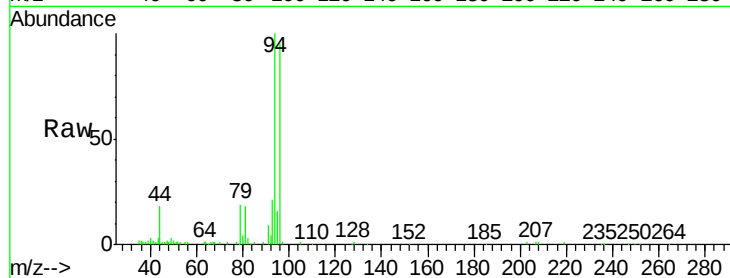
VW0515SBS01

Tgt Ion: 94 Resp: 45152

Ion Ratio Lower Upper

94 100

96 95.2 77.0 115.4



#6

Chloroethane

Concen: 20.51 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW002533.D

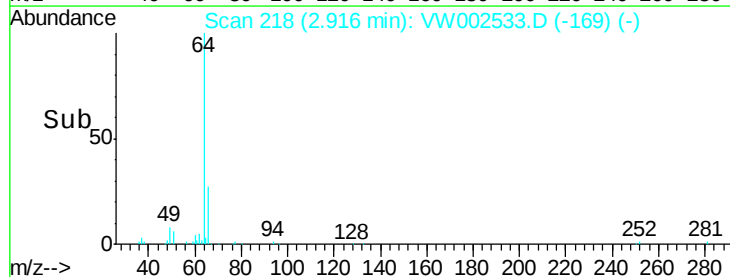
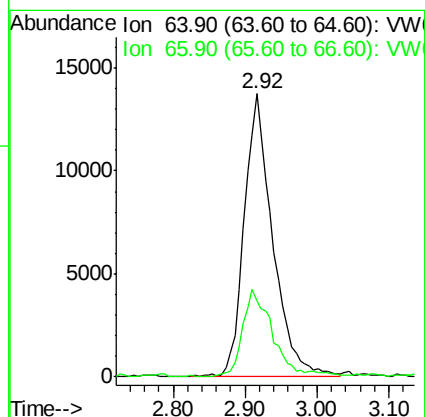
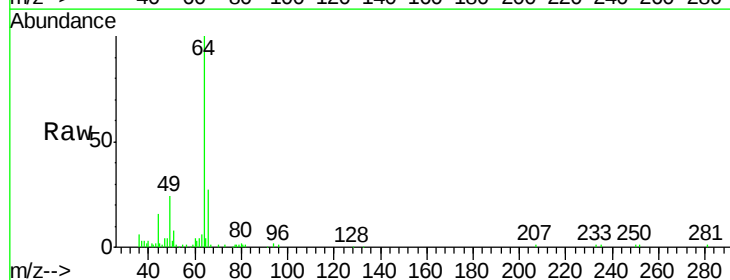
Acq: 15 May 2018 01:26

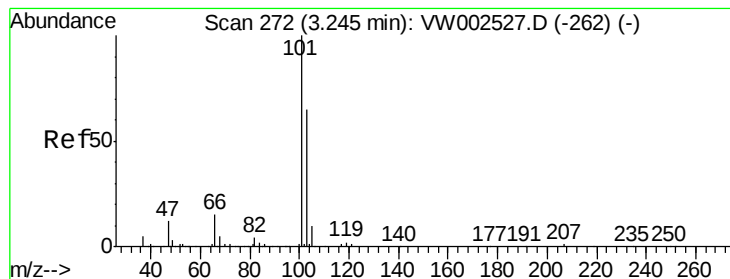
Tgt Ion: 64 Resp: 37720

Ion Ratio Lower Upper

64 100

66 26.5 25.8 38.8



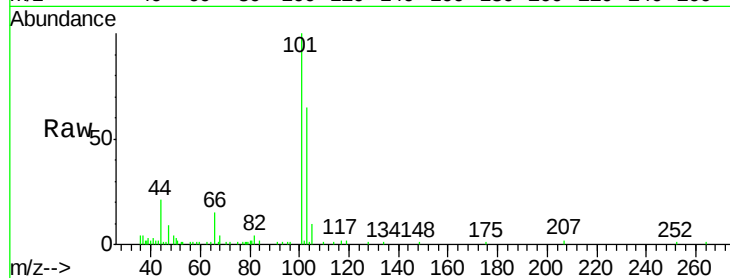


#7

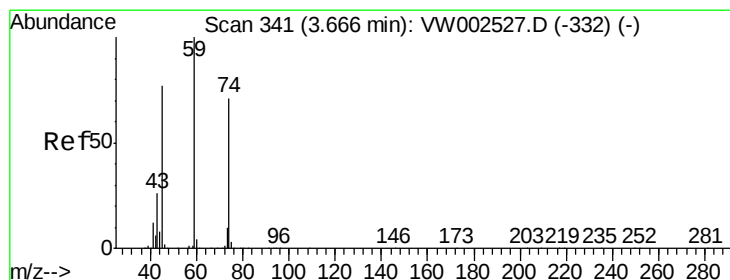
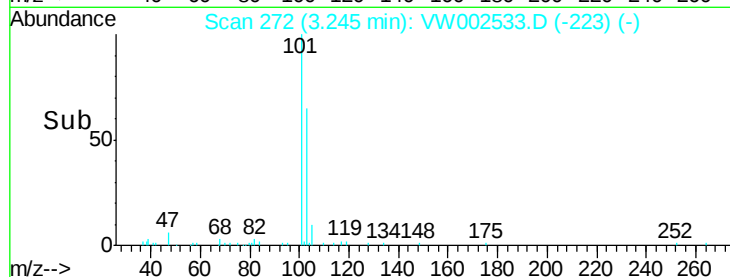
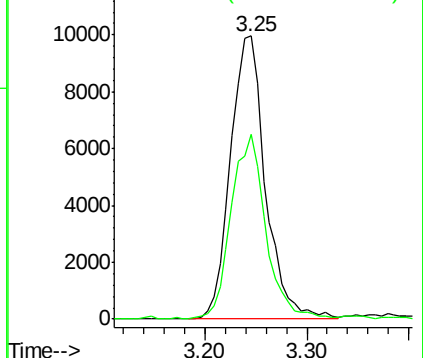
Trichlorofluoromethane
 Concen: 20.06 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
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 ClientSampleId :
 VW0515SBS01

Tgt Ion:101 Resp: 23624
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.8 77.8



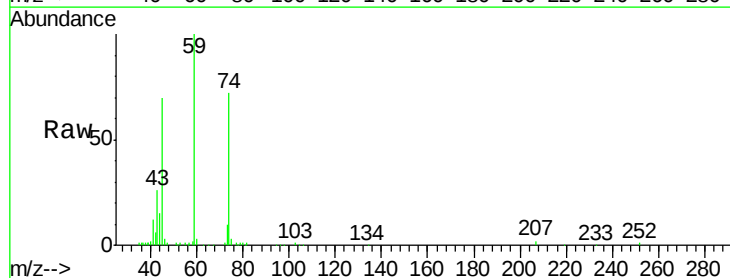
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



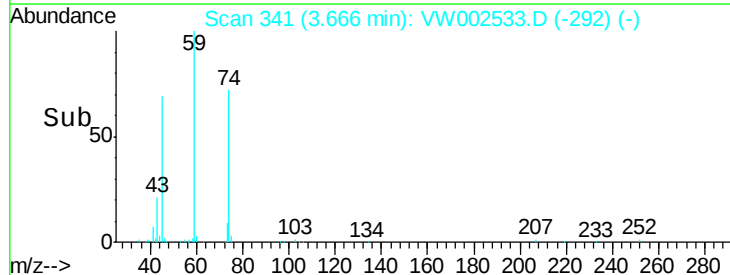
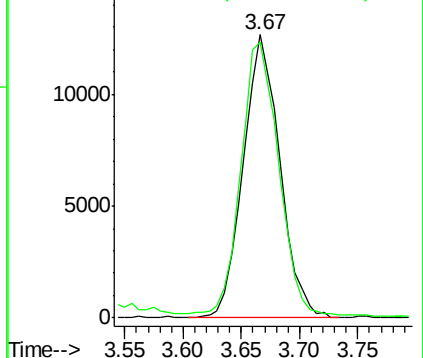
#8

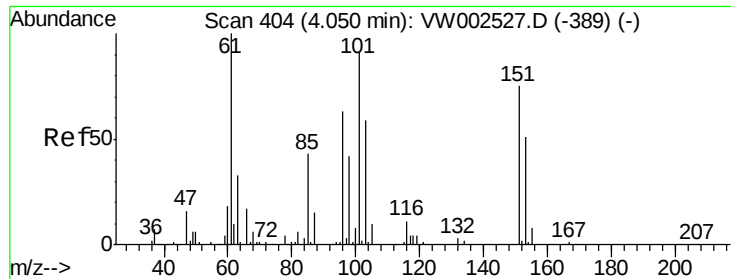
Diethyl Ether
 Concen: 19.75 ug/l
 RT: 3.67 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion: 74 Resp: 27826
 Ion Ratio Lower Upper
 74 100
 45 101.1 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: 20.38 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

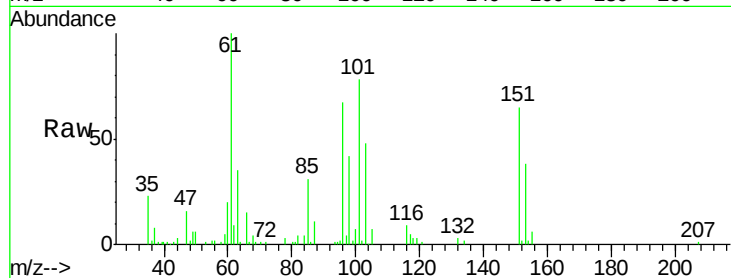
Tgt Ion:101 Resp: 39757

Ion Ratio Lower Upper

101 100

85 44.2 36.5 54.7

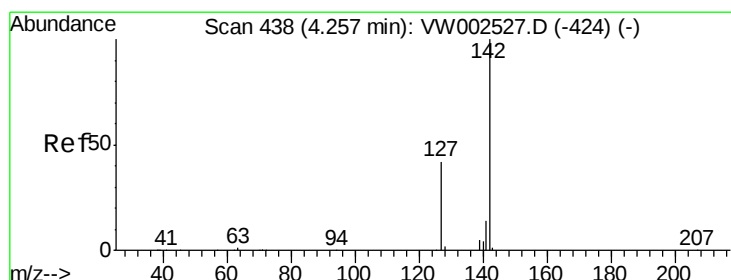
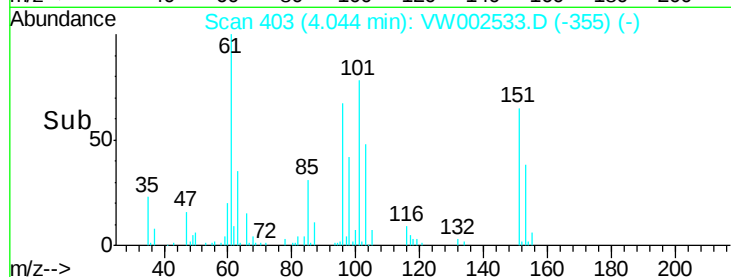
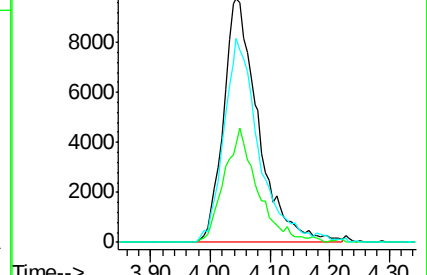
151 82.7 66.7 100.1



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: 20.35 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.01 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

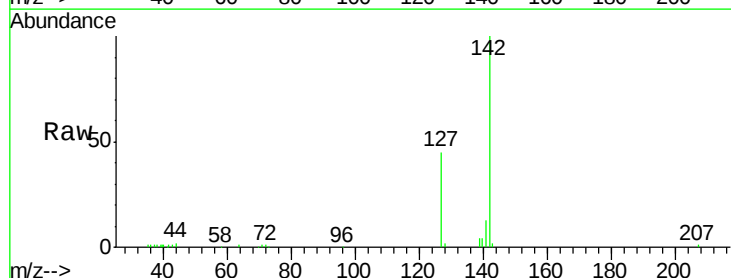
Tgt Ion:142 Resp: 63270

Ion Ratio Lower Upper

142 100

127 44.1 34.6 52.0

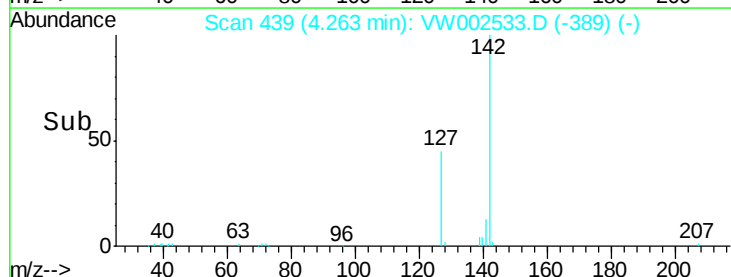
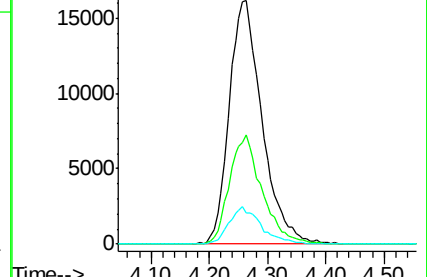
141 15.0 11.8 17.8

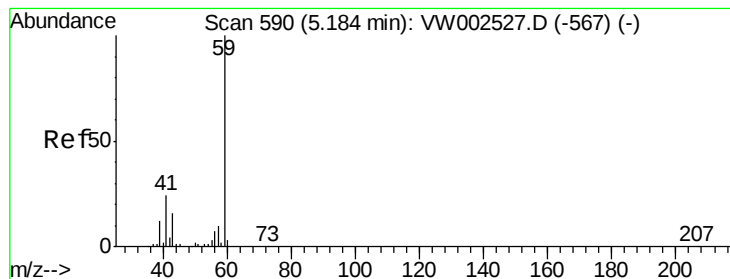


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 97.95 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.01 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampled :

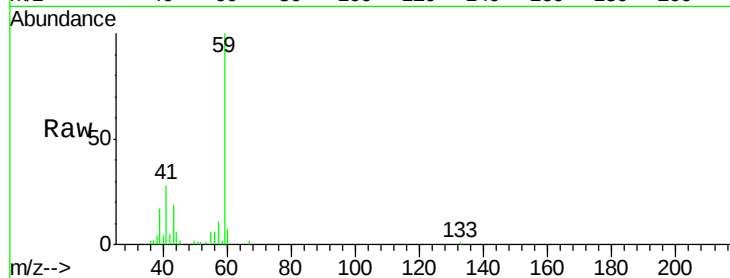
VW0515SBS01

Tgt Ion: 59 Resp: 17963

Ion Ratio Lower Upper

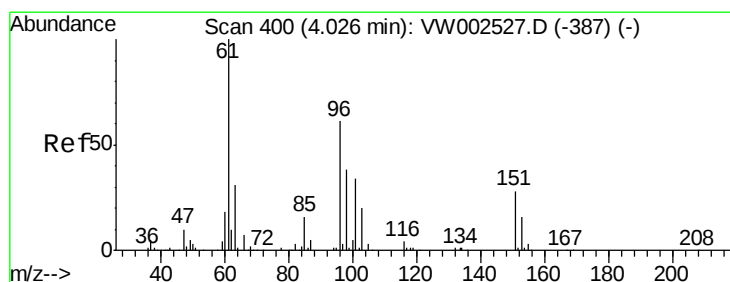
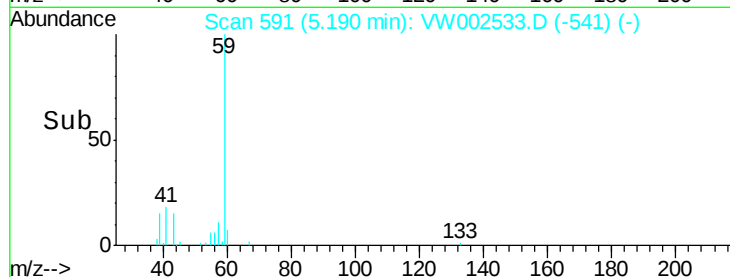
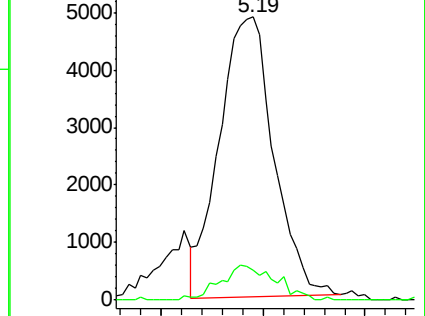
59 100

57 12.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 20.59 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

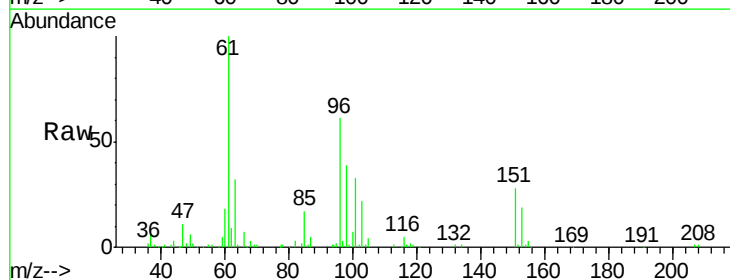
Tgt Ion: 96 Resp: 39754

Ion Ratio Lower Upper

96 100

61 163.8 132.2 198.2

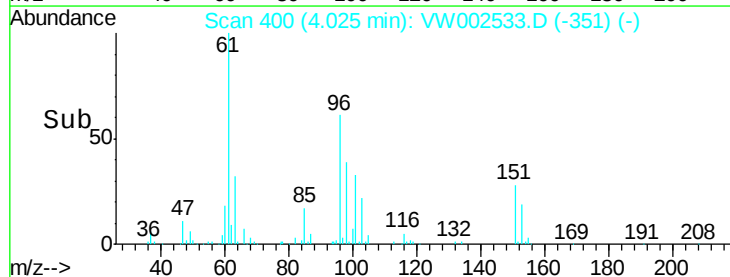
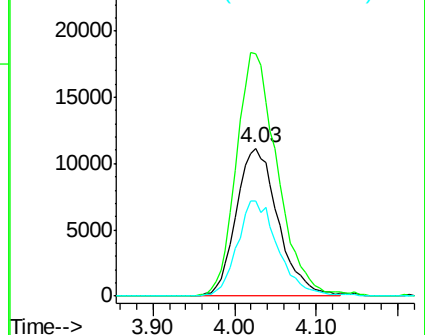
98 64.2 50.6 76.0

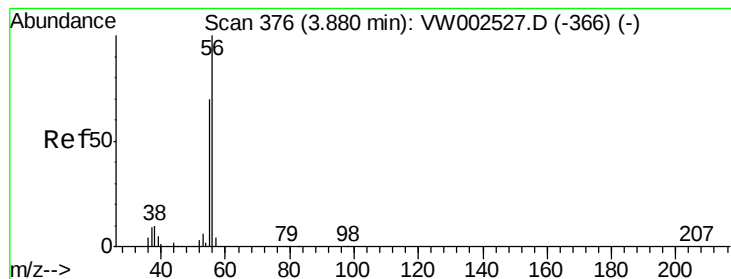


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 108.71 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

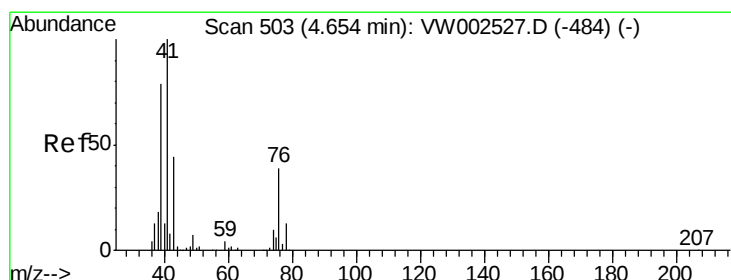
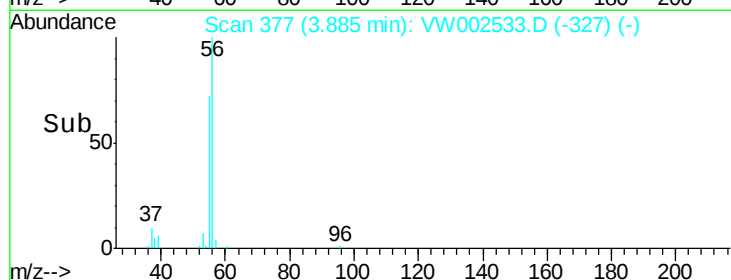
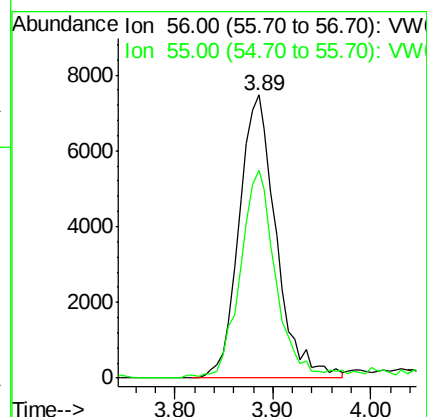
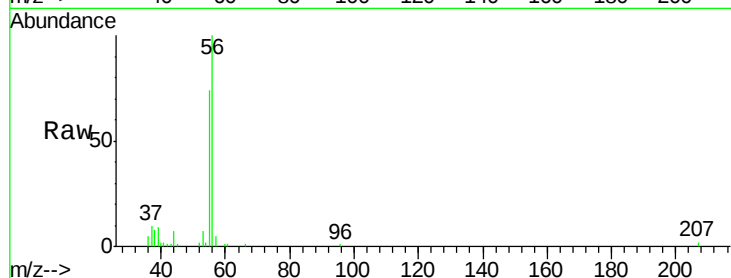
VW0515SBS01

Tgt Ion: 56 Resp: 19639

Ion Ratio Lower Upper

56 100

55 69.9 57.0 85.4



#14

Allyl chloride

Concen: 21.11 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

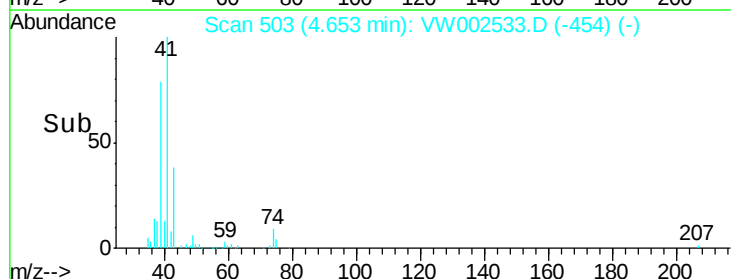
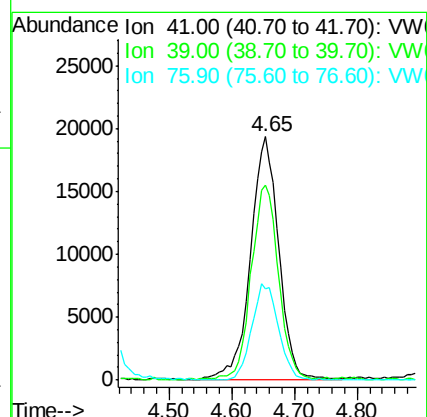
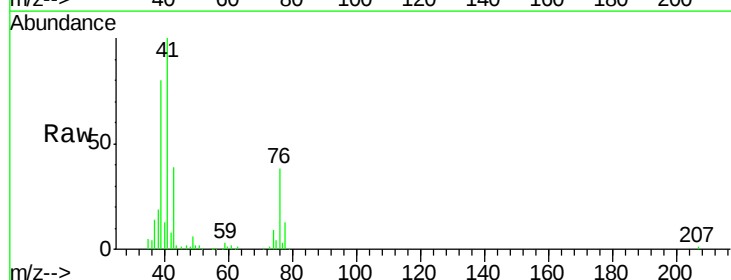
Tgt Ion: 41 Resp: 60483

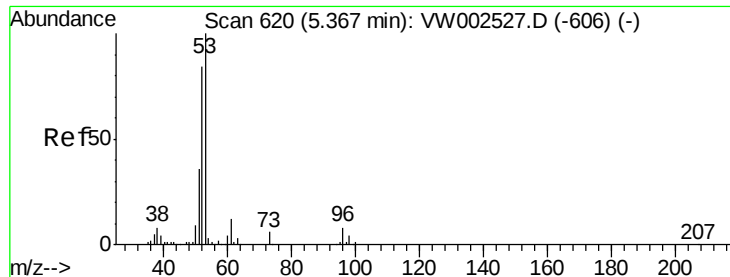
Ion Ratio Lower Upper

41 100

39 76.1 61.4 92.2

76 37.1 29.6 44.4





#15

Acrylonitrile

Concen: 104.61 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

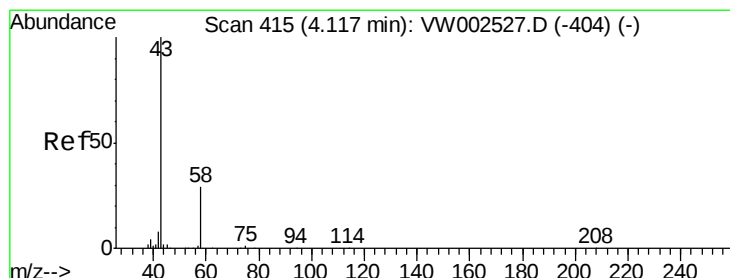
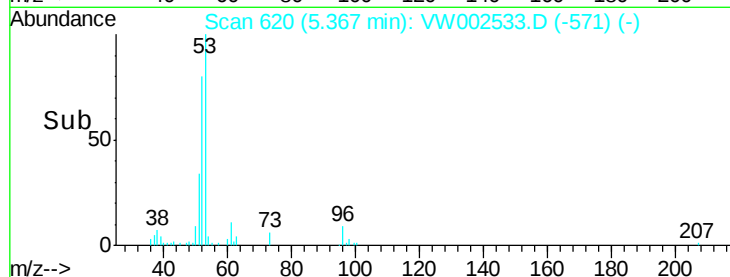
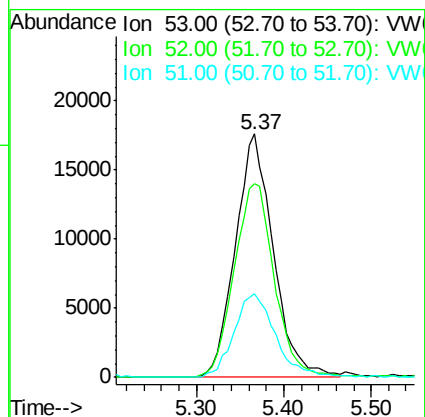
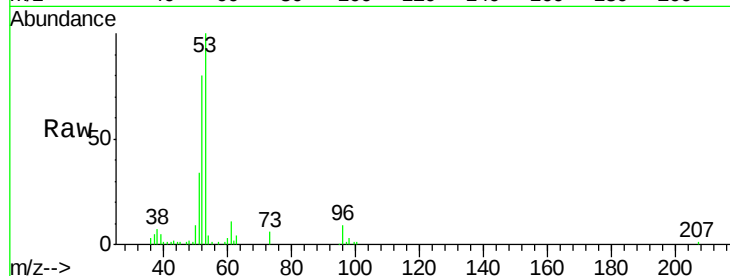
Tgt Ion: 53 Resp: 53153

Ion Ratio Lower Upper

53 100

52 84.3 66.6 100.0

51 37.4 30.6 46.0



#16

Acetone

Concen: 102.78 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.00 min

Lab File: VW002533.D

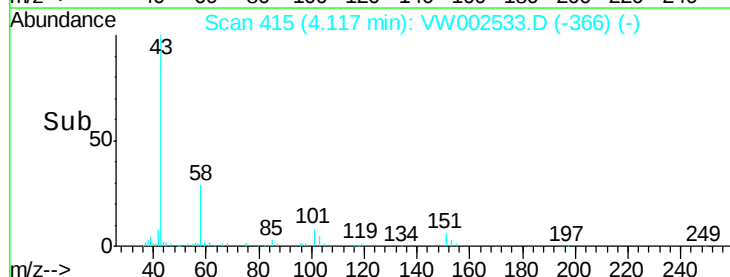
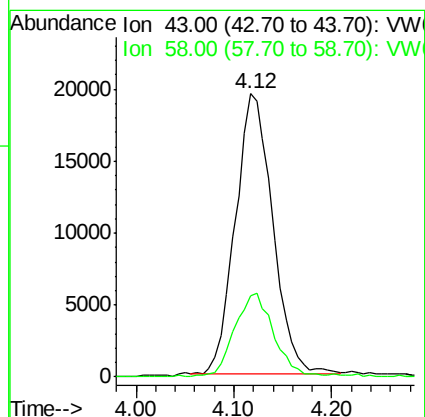
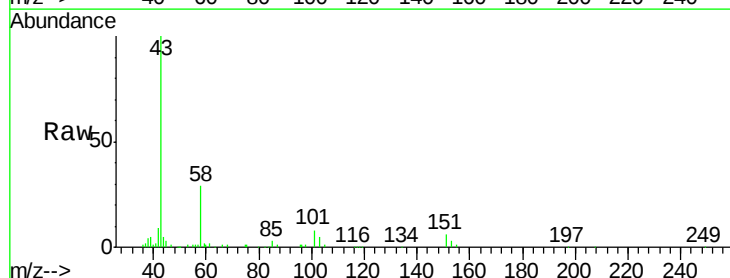
Acq: 15 May 2018 01:26

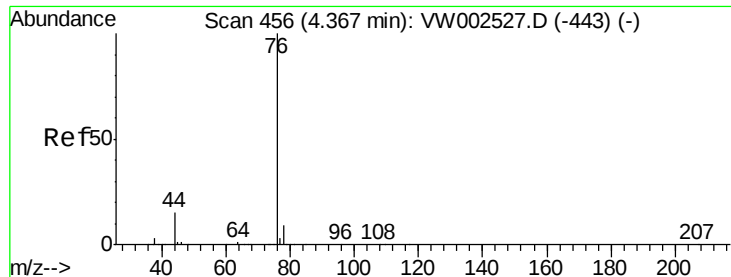
Tgt Ion: 43 Resp: 51765

Ion Ratio Lower Upper

43 100

58 28.9 23.4 35.0





#17

Carbon Disulfide

Concen: 20.48 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

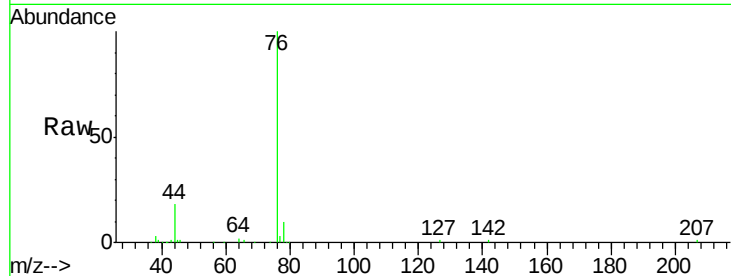
VW0515SBS01

Tgt Ion: 76 Resp: 108839

Ion Ratio Lower Upper

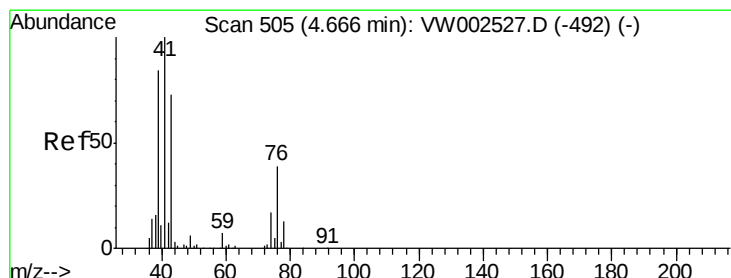
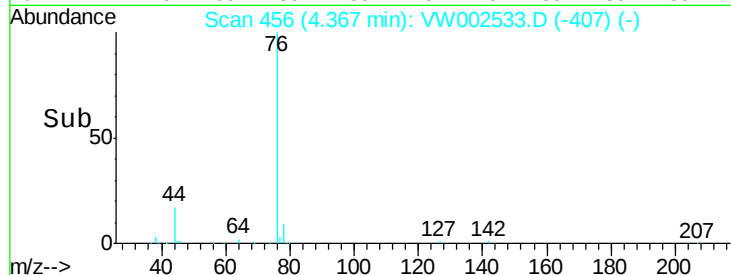
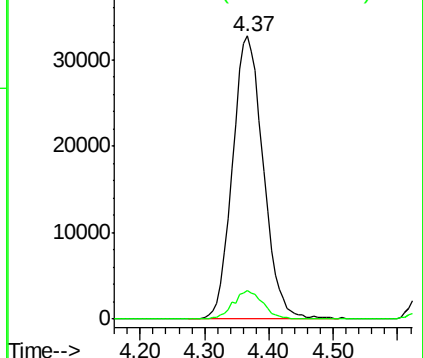
76 100

78 10.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 18.55 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW002533.D

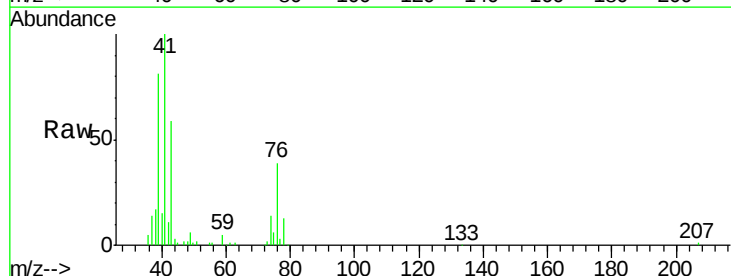
Acq: 15 May 2018 01:26

Tgt Ion: 43 Resp: 27235

Ion Ratio Lower Upper

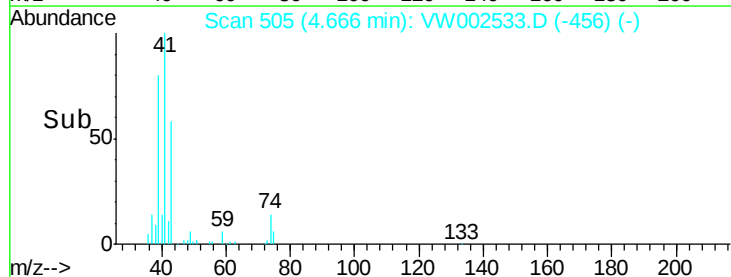
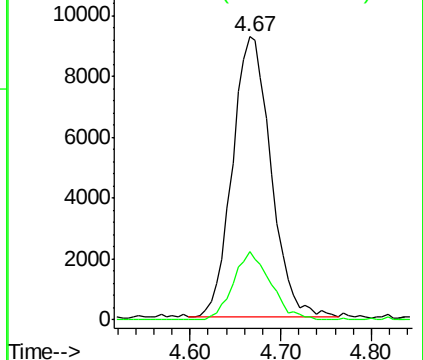
43 100

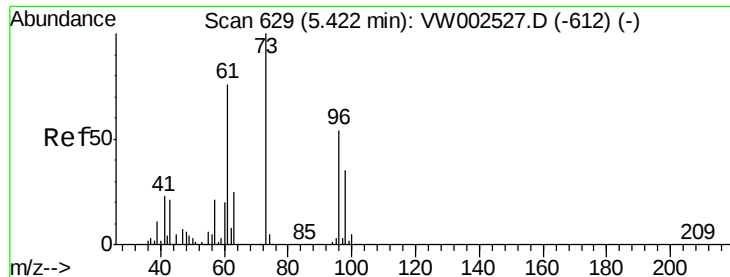
74 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

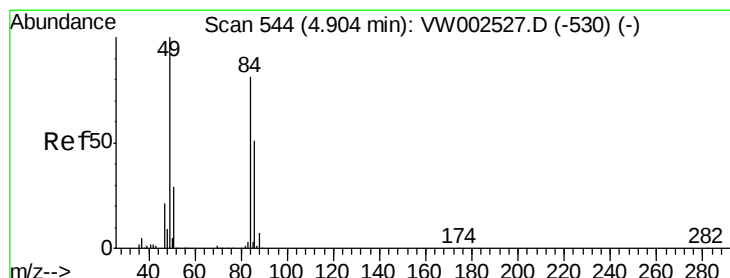
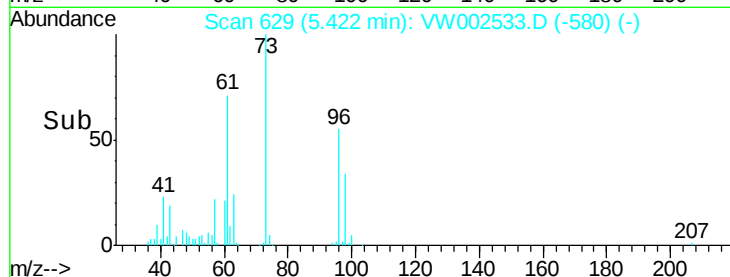
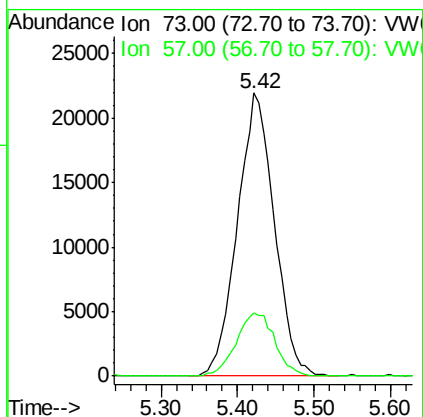
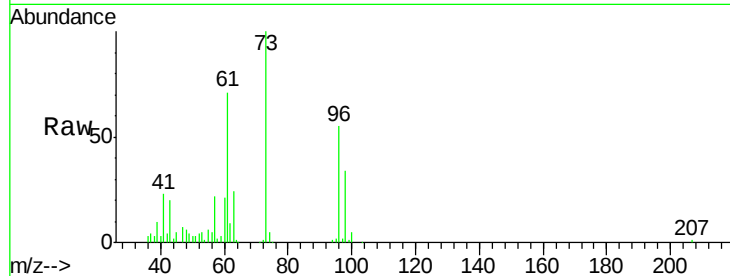




#19
Methyl tert-butyl Ether
Concen: 20.73 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

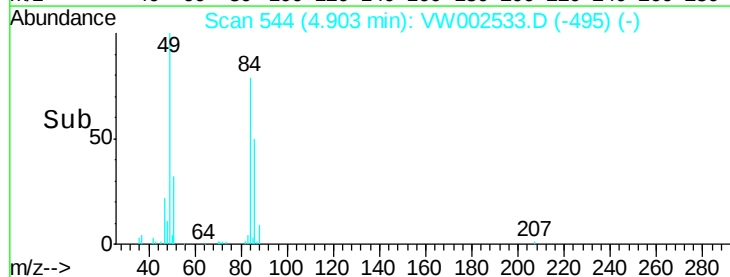
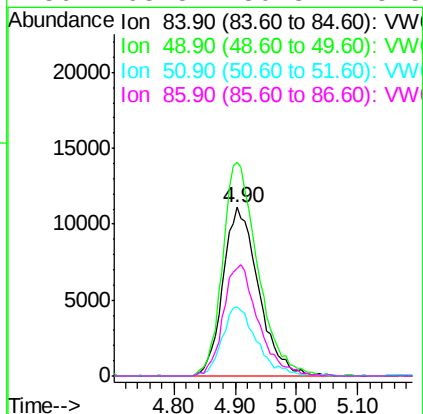
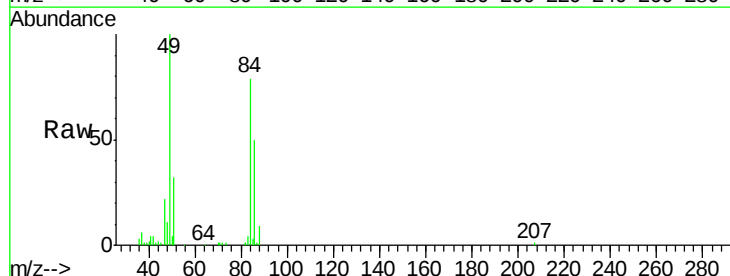
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

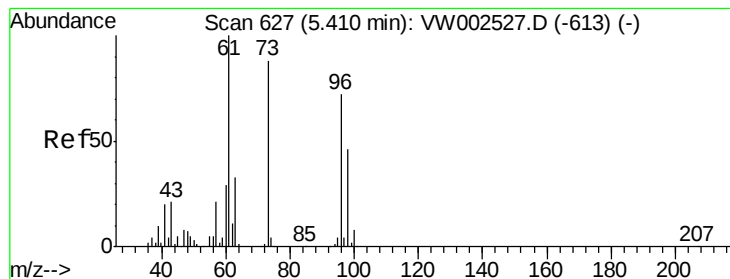
Tgt Ion: 73 Resp: 73539
Ion Ratio Lower Upper
73 100
57 22.3 17.0 25.6



#20
Methylene Chloride
Concen: 20.65 ug/l
RT: 4.90 min Scan# 544
Delta R.T. 0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion: 84 Resp: 44611
Ion Ratio Lower Upper
84 100
49 126.8 99.4 149.0
51 40.9 29.0 43.6
86 63.8 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.81 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampled :

VW0515SBS01

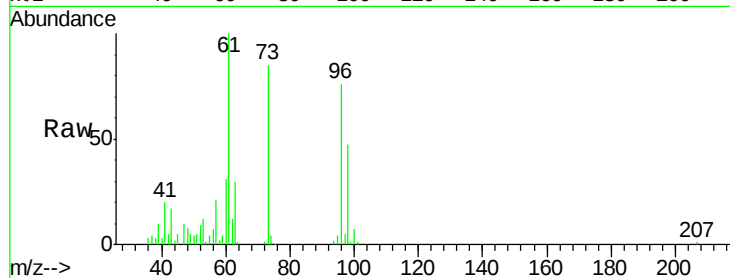
Tgt Ion: 96 Resp: 43447

Ion Ratio Lower Upper

96 100

61 132.4 111.6 167.4

98 62.1 51.7 77.5

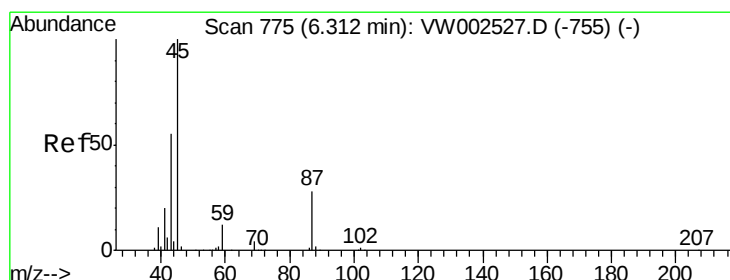
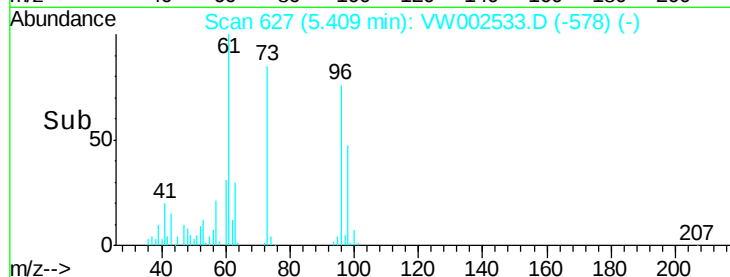
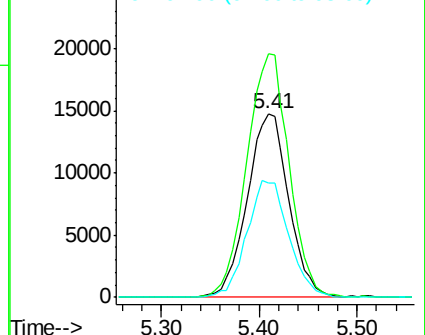


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.65 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Tgt Ion: 45 Resp: 131083

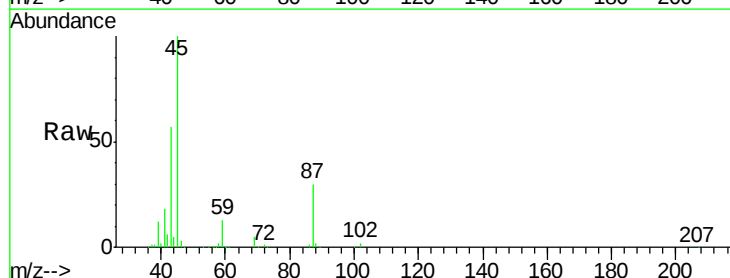
Ion Ratio Lower Upper

45 100

43 55.7 44.4 66.6

87 29.1 23.0 34.4

59 12.1 9.4 14.2



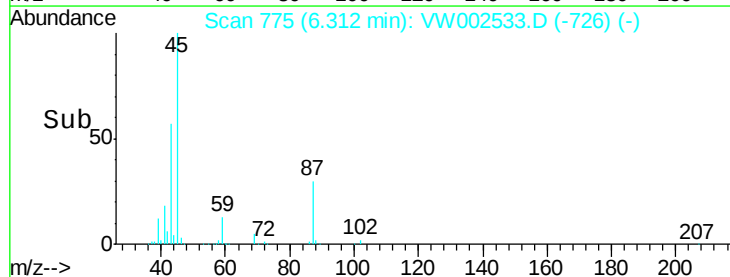
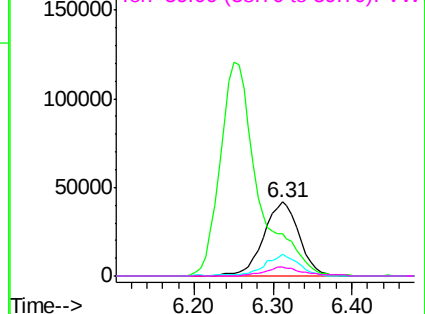
Abundance

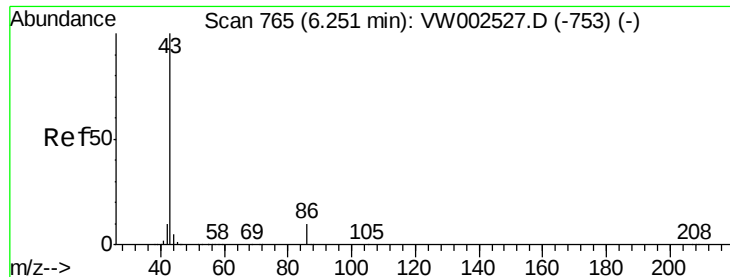
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 104.98 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

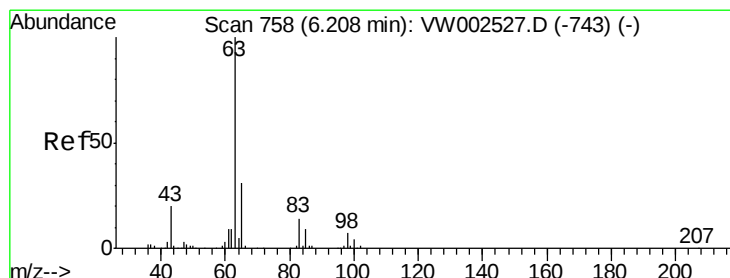
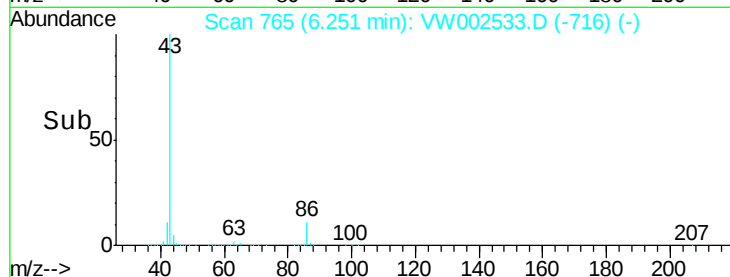
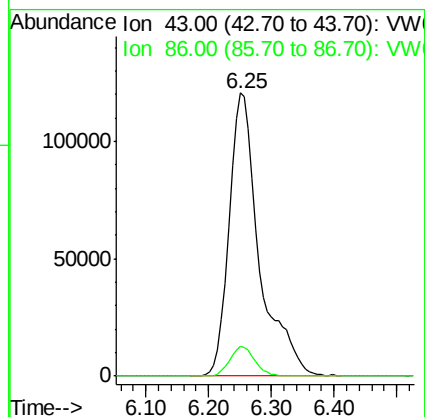
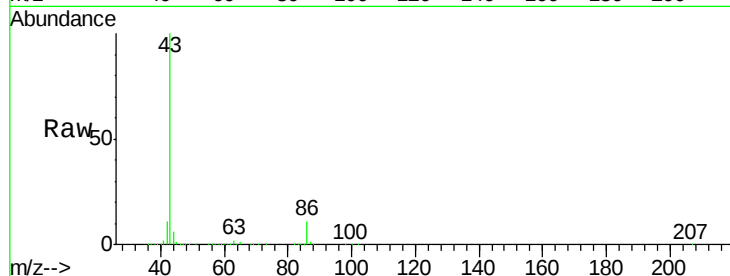
VW0515SBS01

Tgt Ion: 43 Resp: 403829

Ion Ratio Lower Upper

43 100

86 10.7 7.9 11.9



#24

1,1-Dichloroethane

Concen: 20.91 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

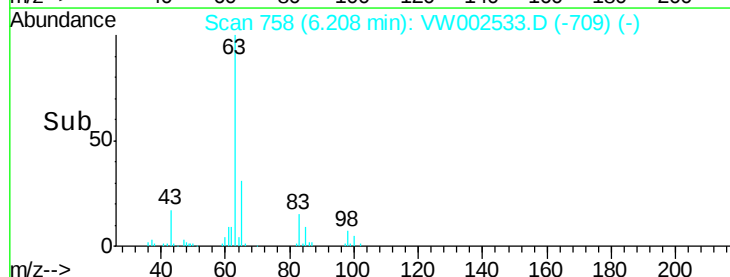
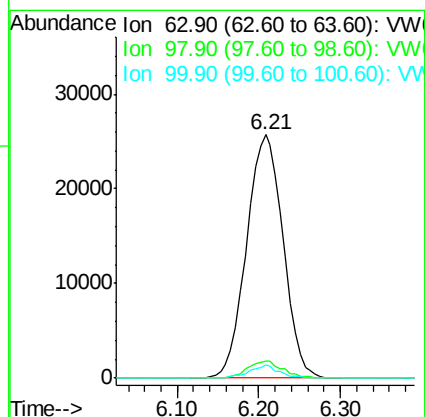
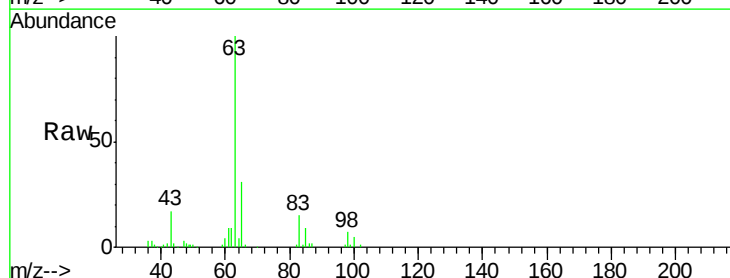
Tgt Ion: 63 Resp: 79987

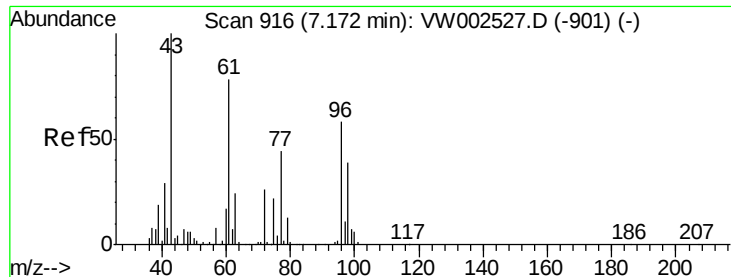
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

100 5.2 2.1 6.5





#25

2-Butanone

Concen: 105.36 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

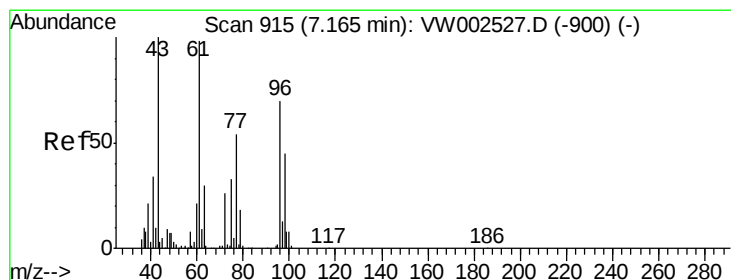
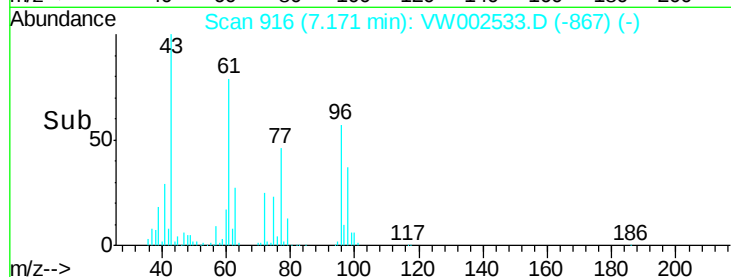
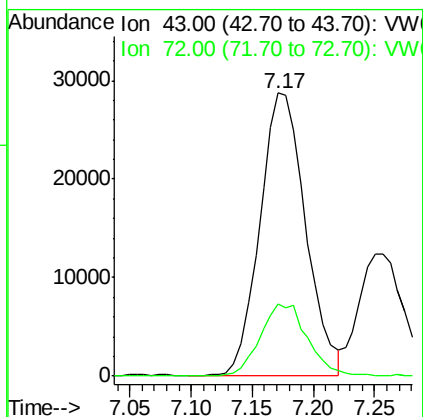
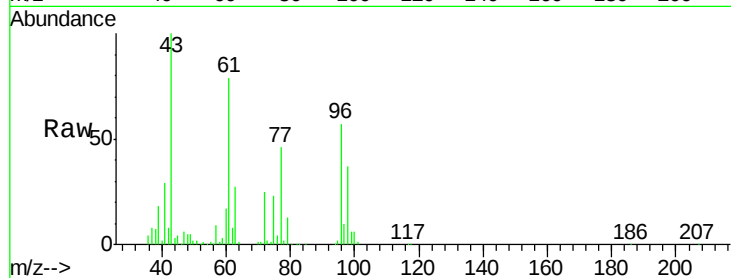
VW0515SBS01

Tgt Ion: 43 Resp: 75039

Ion Ratio Lower Upper

43 100

72 25.3 20.9 31.3



#26

2,2-Dichloropropane

Concen: 19.22 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002533.D

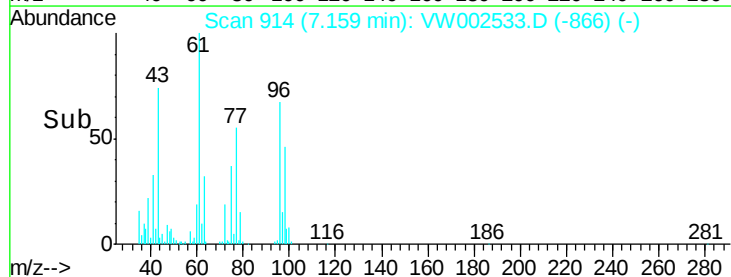
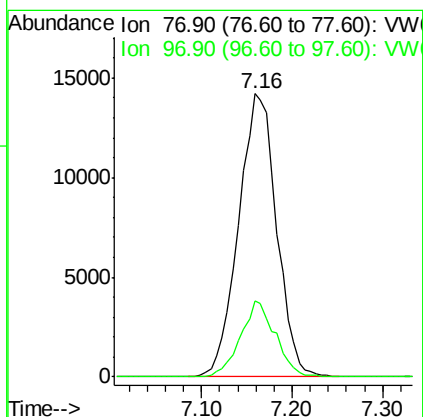
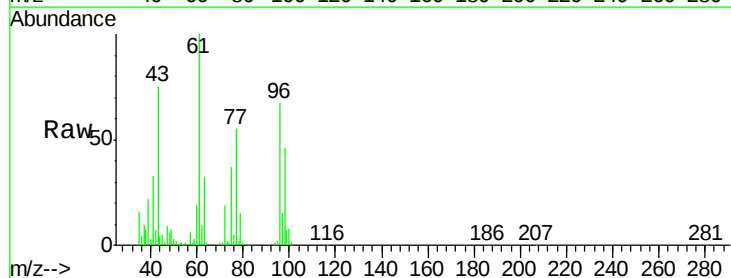
Acq: 15 May 2018 01:26

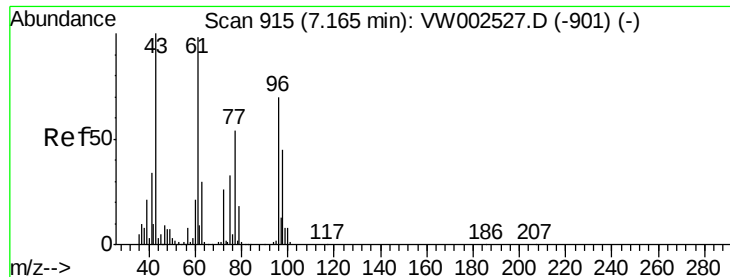
Tgt Ion: 77 Resp: 41203

Ion Ratio Lower Upper

77 100

97 24.5 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 20.14 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

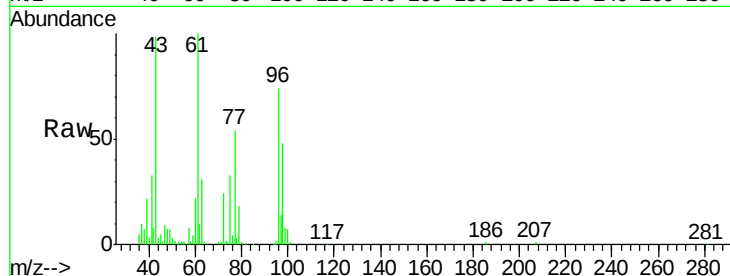
Tgt Ion: 96 Resp: 47962

Ion Ratio Lower Upper

96 100

61 140.3 0.0 281.6

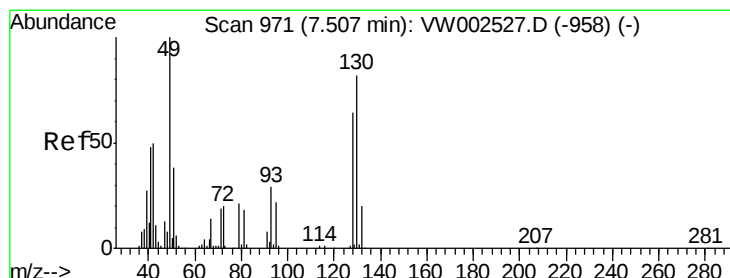
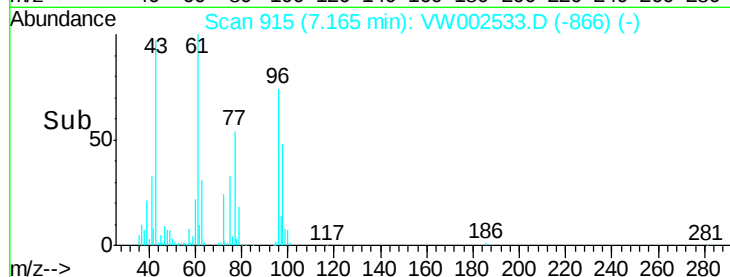
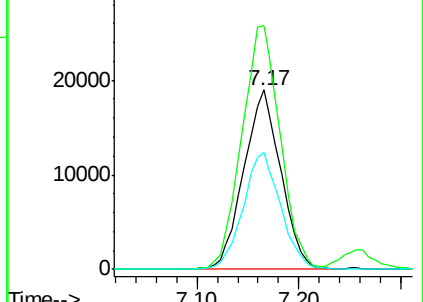
98 65.7 0.0 130.8



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: 21.02 ug/l

RT: 7.51 min Scan# 971

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

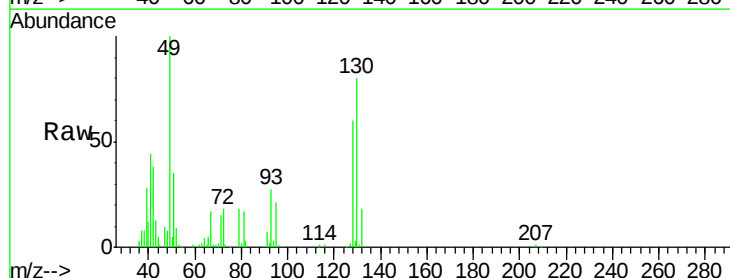
Tgt Ion: 49 Resp: 35891

Ion Ratio Lower Upper

49 100

129 1.5 0.0 4.4

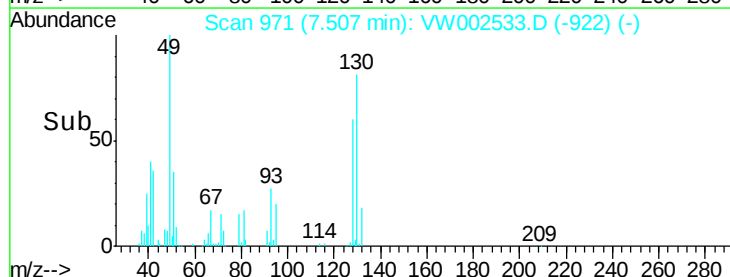
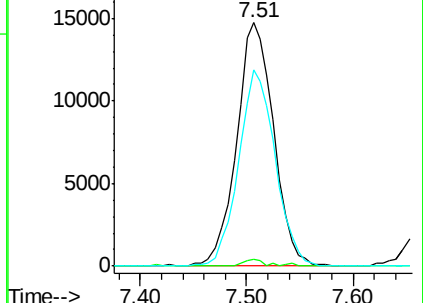
130 79.9 64.7 97.1

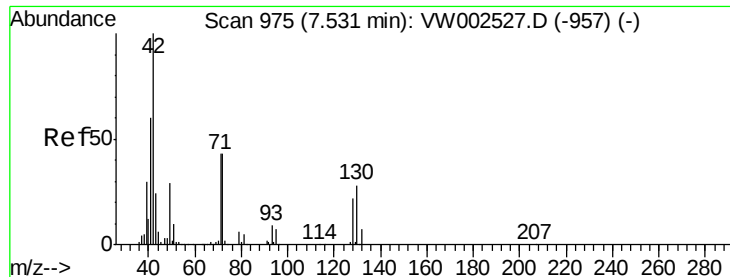


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 108.47 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

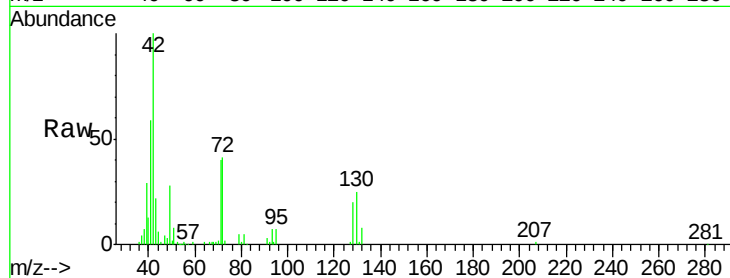
Tgt Ion: 42 Resp: 48259

Ion Ratio Lower Upper

42 100

72 41.3 35.0 52.4

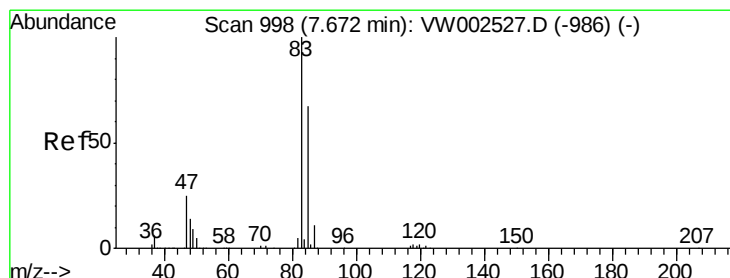
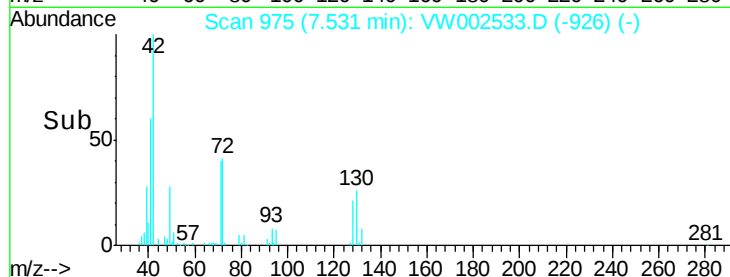
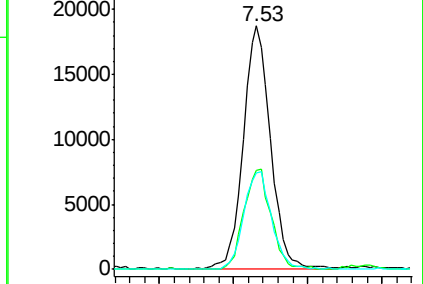
71 40.7 33.0 49.6



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: 20.42 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.00 min

Lab File: VW002533.D

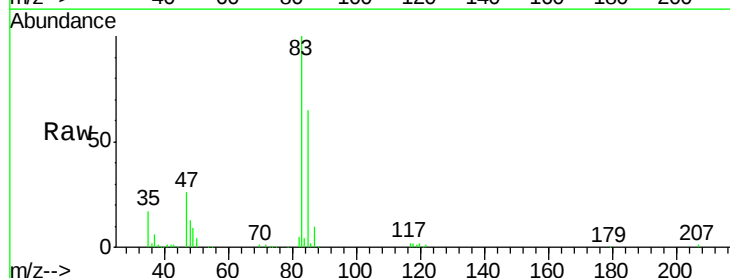
Acq: 15 May 2018 01:26

Tgt Ion: 83 Resp: 83408

Ion Ratio Lower Upper

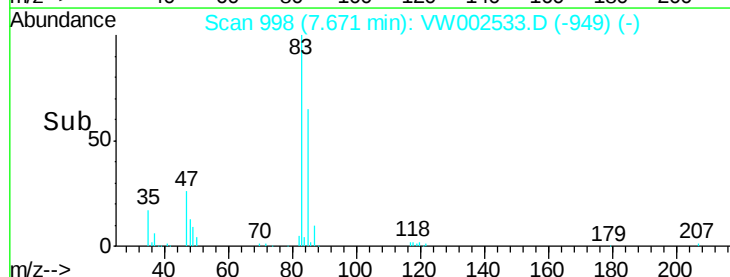
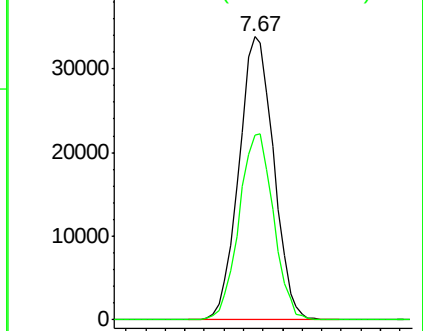
83 100

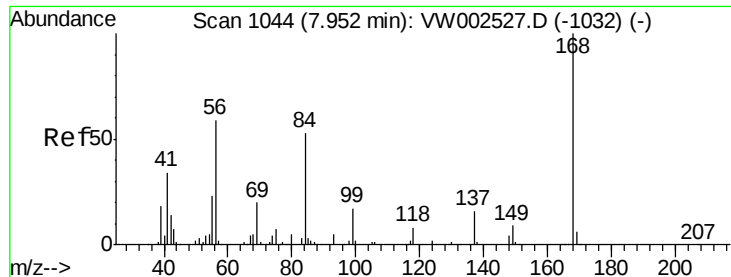
85 65.2 53.9 80.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

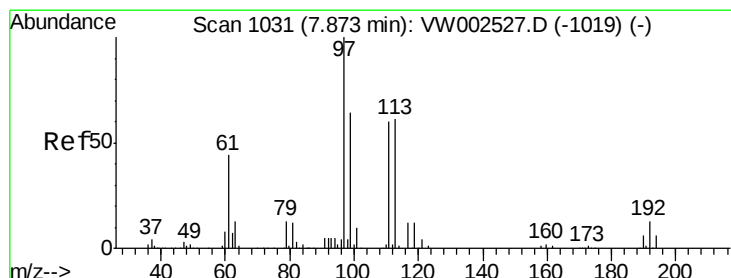
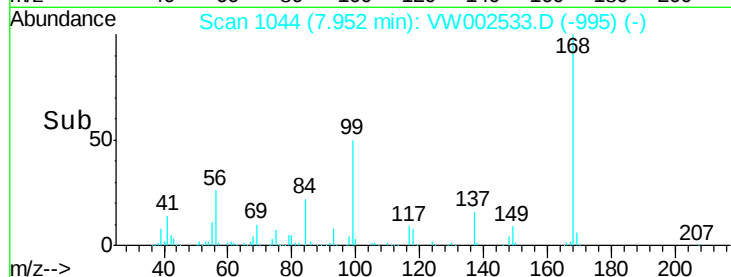
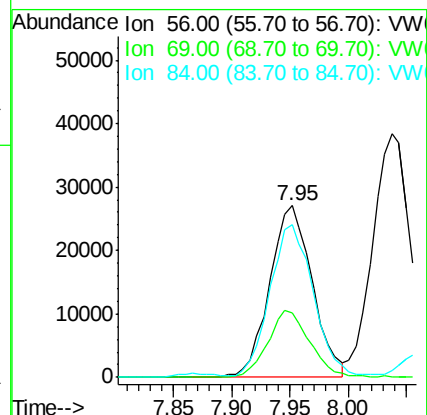
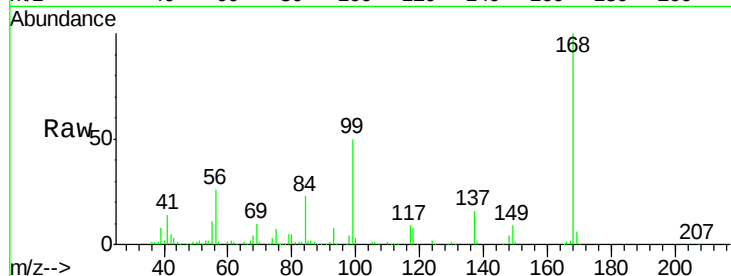




#31
Cyclohexane
Concen: 20.22 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

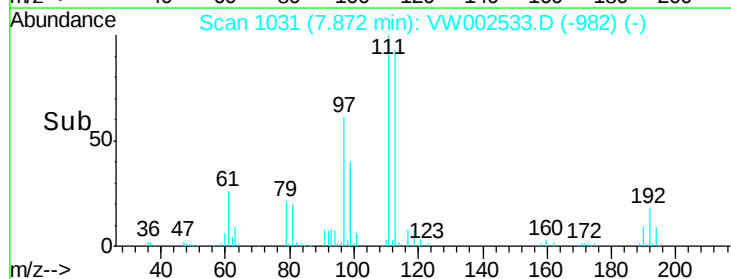
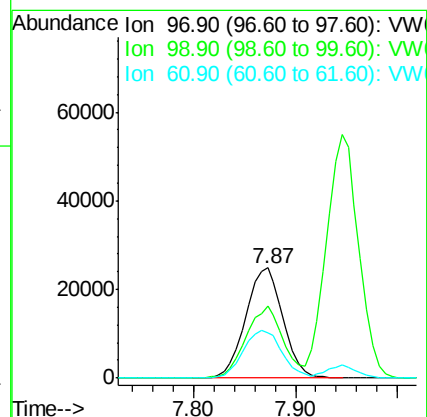
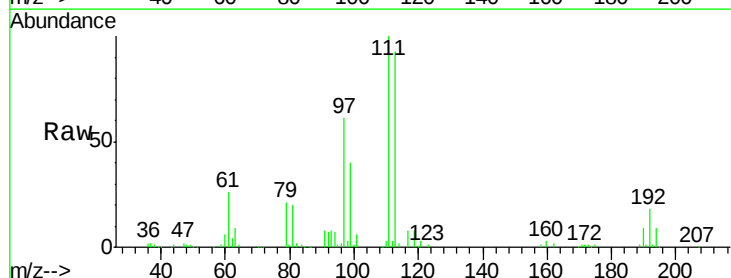
Instrument :
MSVOA_W
ClientSampled :
VW0515SBS01

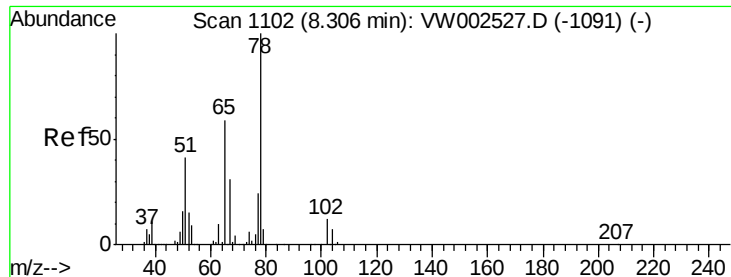
Tgt Ion: 56 Resp: 68510
Ion Ratio Lower Upper
56 100
69 37.7 27.0 40.4
84 86.7 72.2 108.2



#32
1,1,1-Trichloroethane
Concen: 20.46 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion: 97 Resp: 63041
Ion Ratio Lower Upper
97 100
99 65.3 51.1 76.7
61 44.9 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 51.75 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

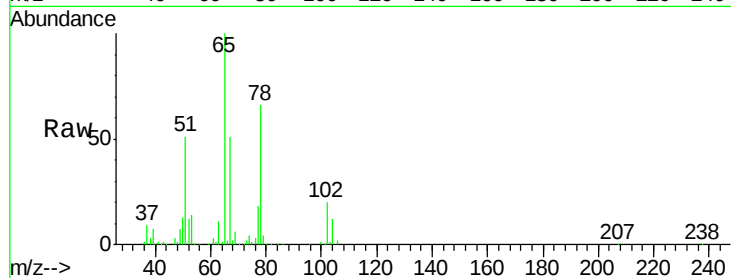
VW0515SBS01

Tgt Ion: 65 Resp: 123451

Ion Ratio Lower Upper

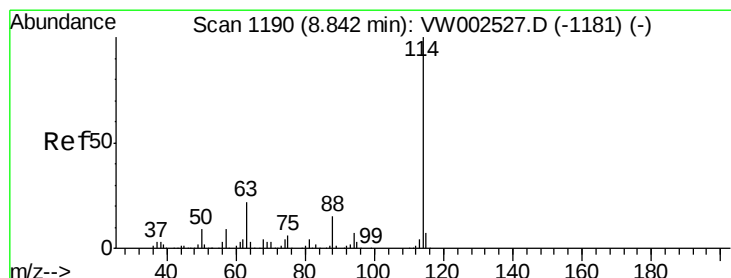
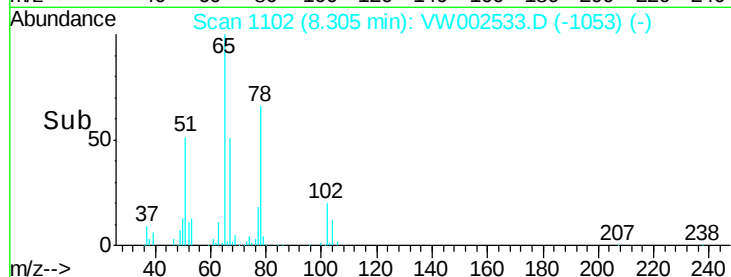
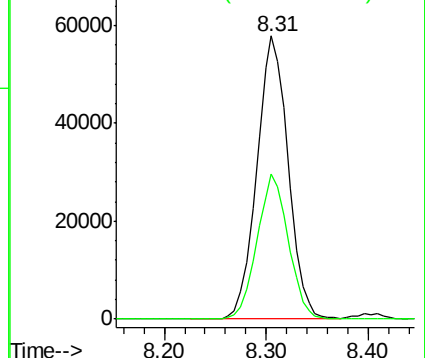
65 100

67 51.0 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

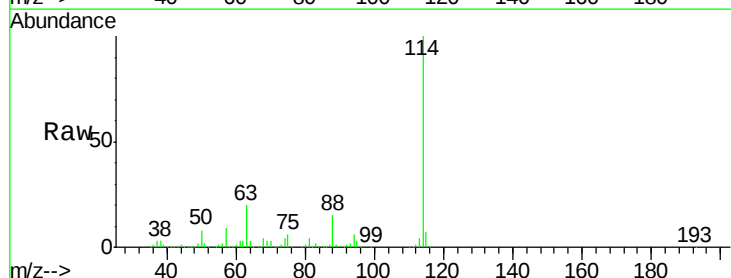
Tgt Ion: 114 Resp: 354737

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

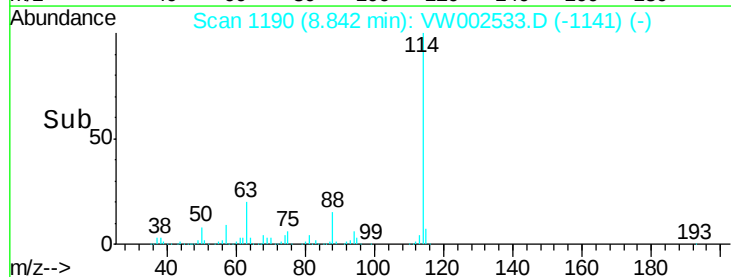
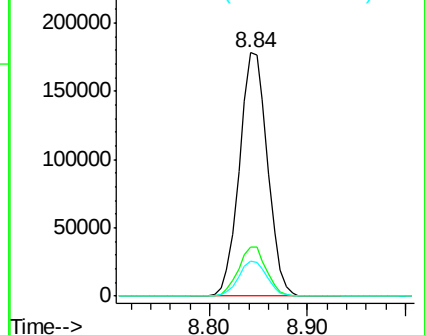
88 14.5 0.0 29.2

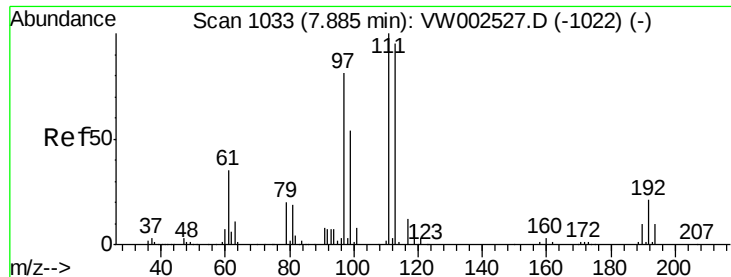


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

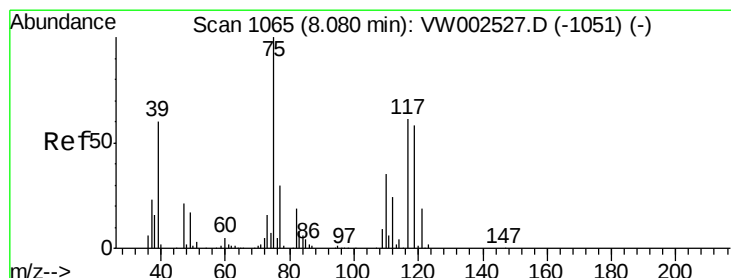
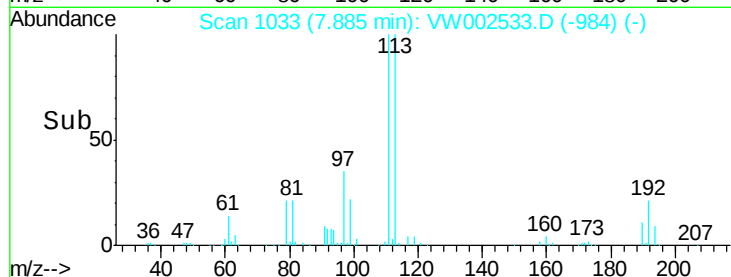
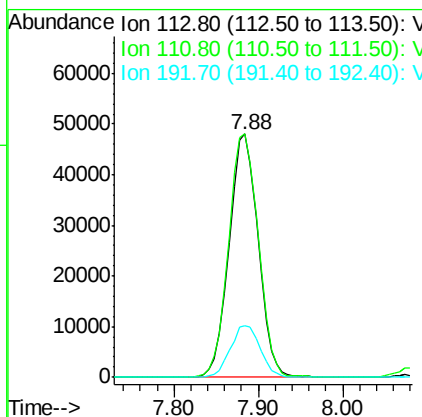
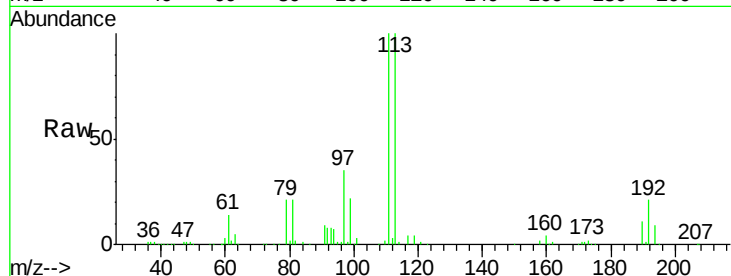




#35
 Dibromofluoromethane
 Concen: 49.84 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

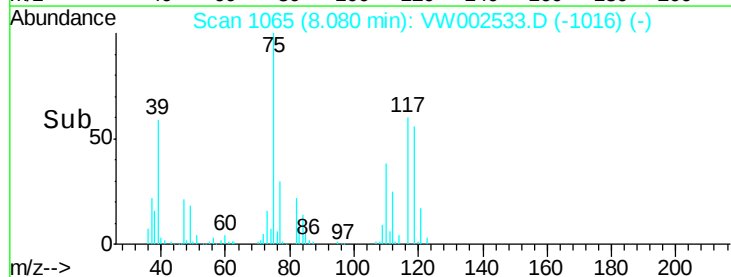
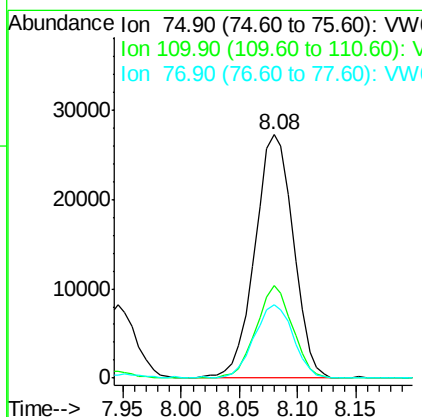
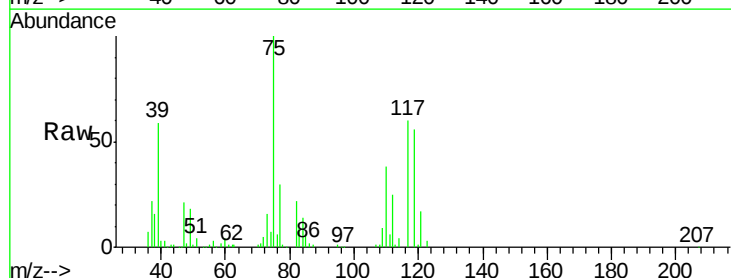
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

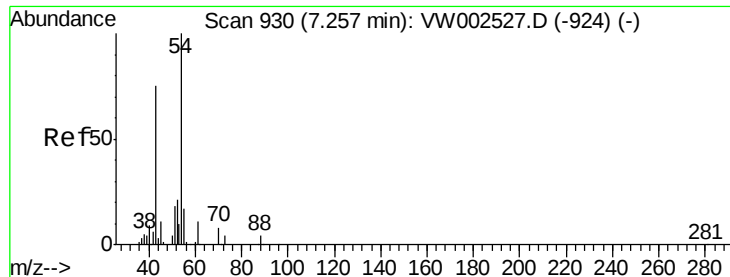
Tgt Ion: 113 Resp: 112162
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.8 122.8
 192 21.8 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 19.96 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion: 75 Resp: 62472
 Ion Ratio Lower Upper
 75 100
 110 35.9 17.8 53.5
 77 30.9 24.5 36.7

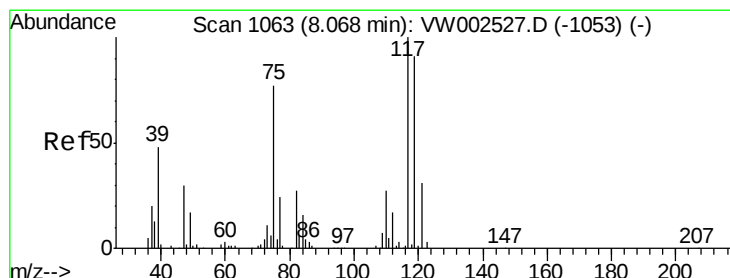
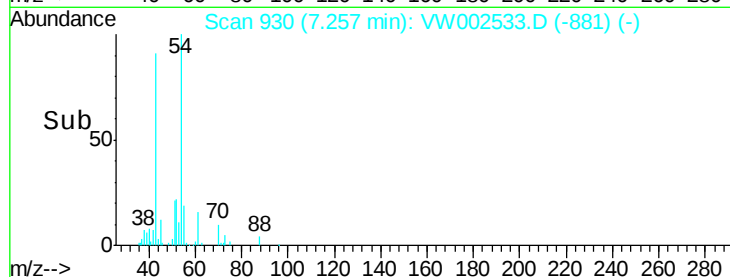
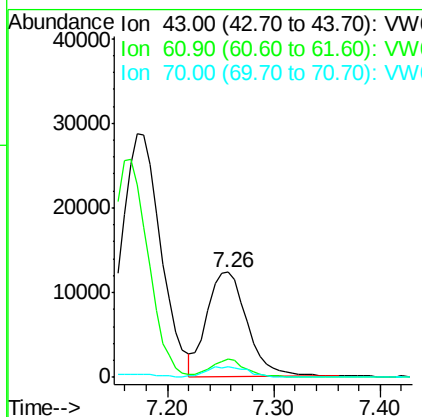
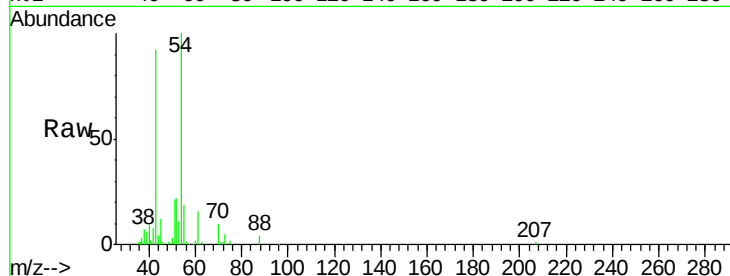




#37
Ethyl Acetate
Concen: 20.73 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

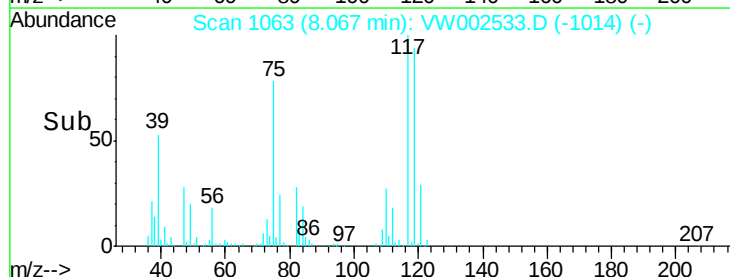
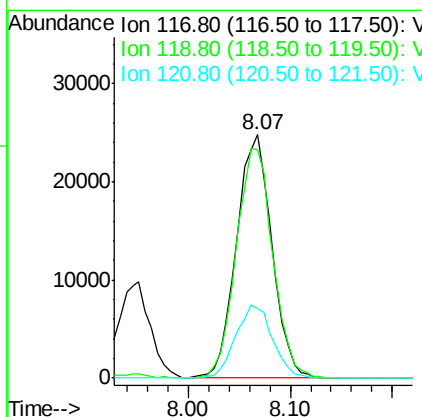
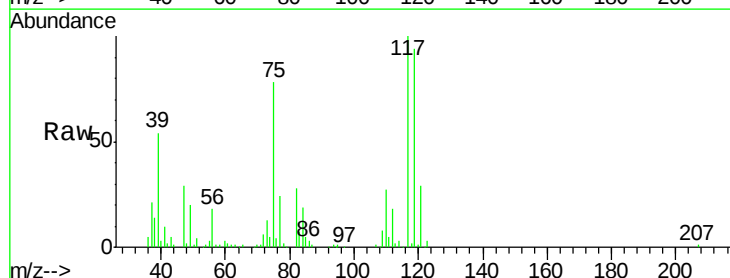
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

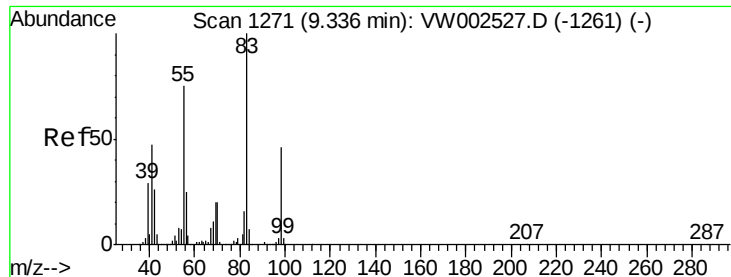
Tgt Ion: 43 Resp: 32187
Ion Ratio Lower Upper
43 100
61 15.4 11.1 16.7
70 10.6 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.54 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion: 117 Resp: 59890
Ion Ratio Lower Upper
117 100
119 94.0 73.1 109.7
121 28.7 24.4 36.6

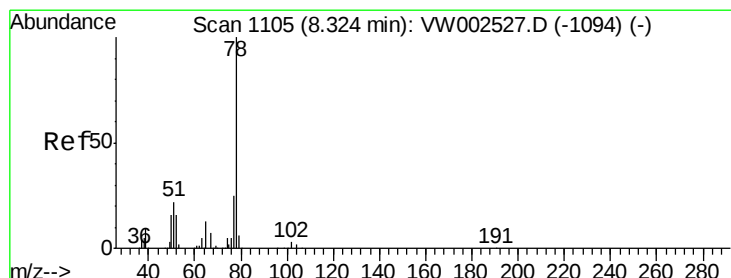
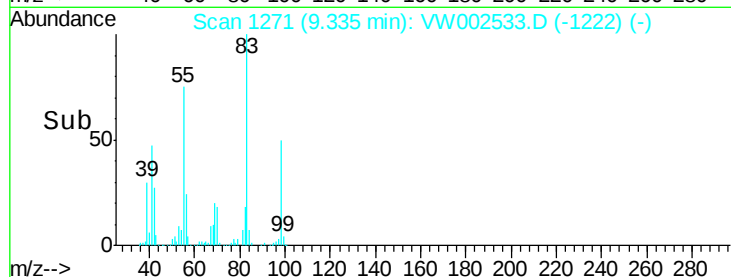
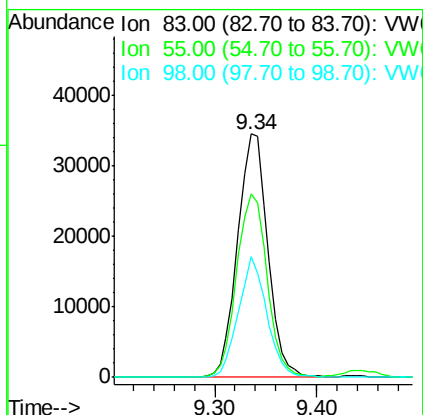
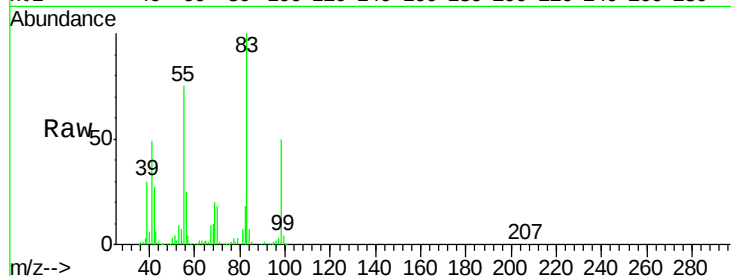




#39
Methylcyclohexane
Concen: 19.86 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

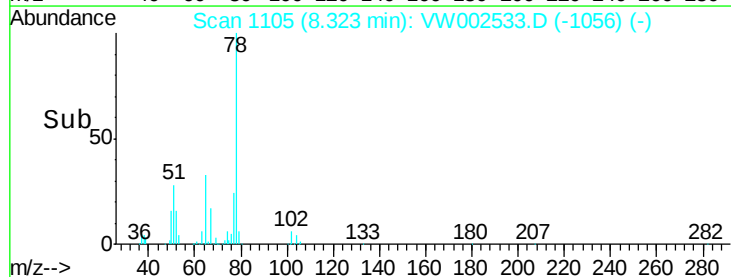
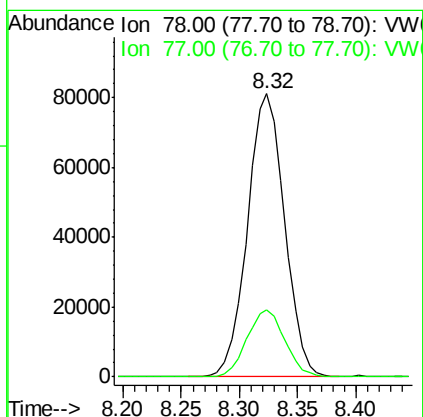
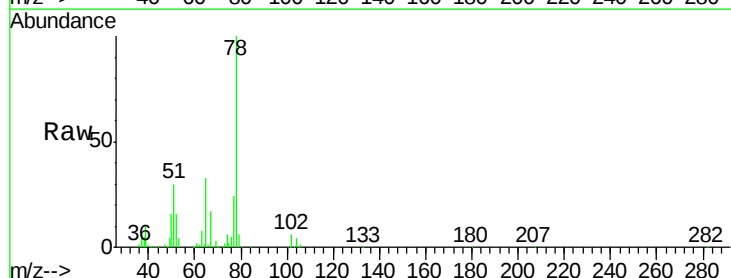
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

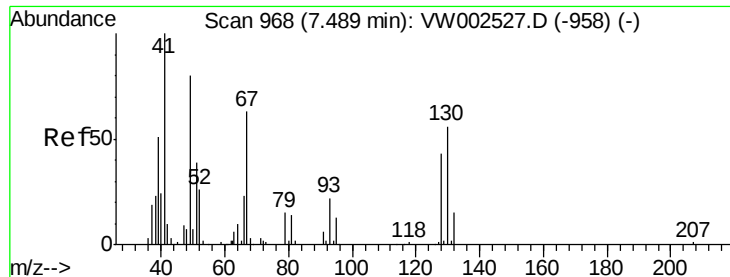
Tgt Ion: 83 Resp: 71215
Ion Ratio Lower Upper
83 100
55 75.2 60.0 90.0
98 49.6 37.0 55.4



#40
Benzene
Concen: 19.95 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion: 78 Resp: 179269
Ion Ratio Lower Upper
78 100
77 23.6 19.9 29.9

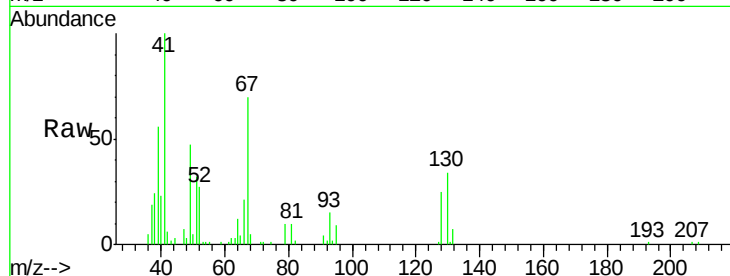




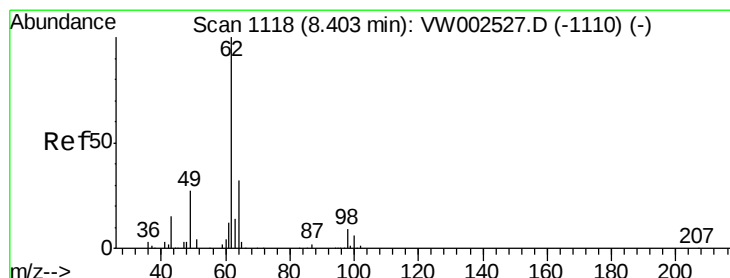
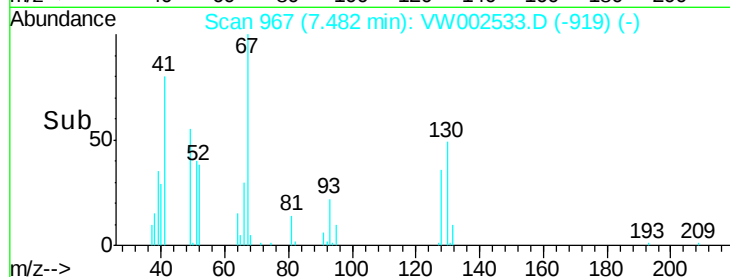
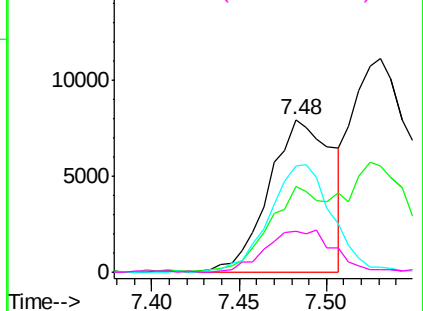
#41
Methacrylonitrile
Concen: 23.24 ug/l
RT: 7.48 min Scan# 967
Delta R.T. -0.01 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tgt Ion: 41 Resp: 20191
Ion Ratio Lower Upper
41 100
39 47.8 51.8 77.8#
67 69.5 59.9 89.9
52 30.0 26.6 39.8

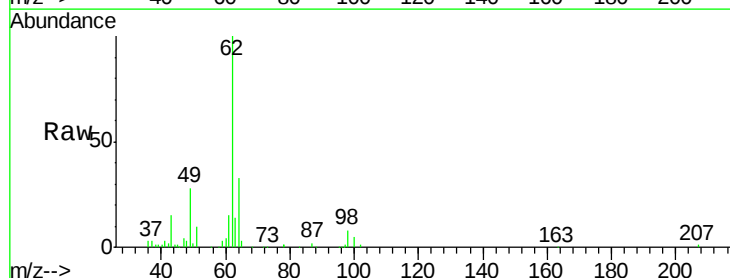


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

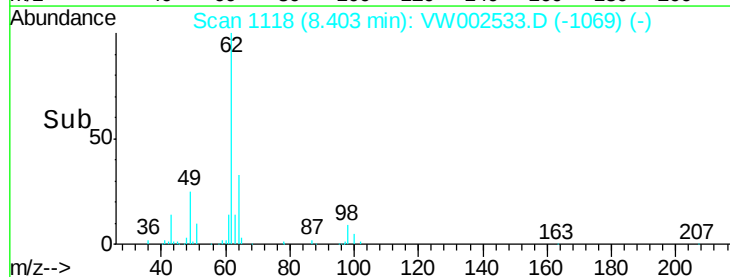
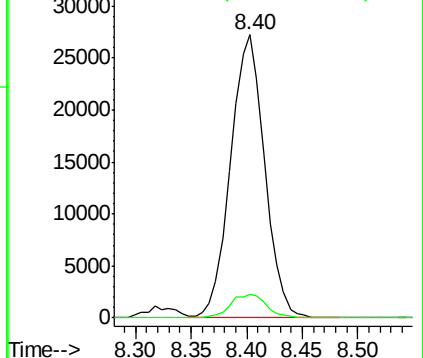


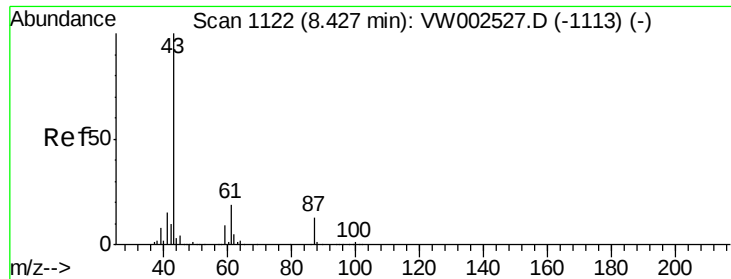
#42
1,2-Dichloroethane
Concen: 20.23 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion: 62 Resp: 57751
Ion Ratio Lower Upper
62 100
98 8.8 0.0 17.8



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

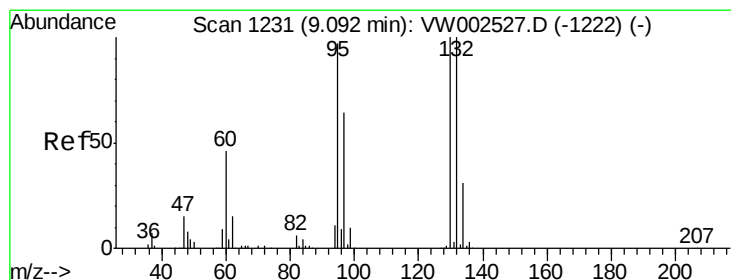
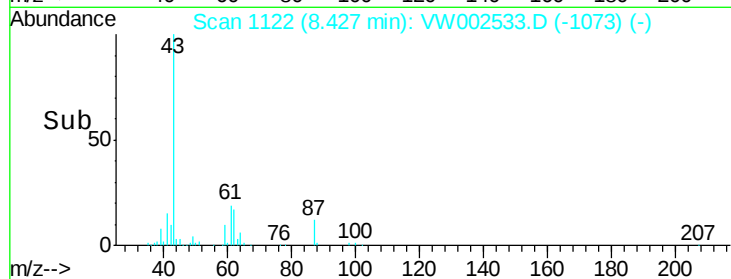
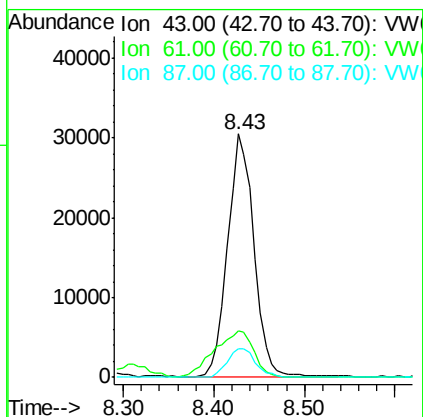
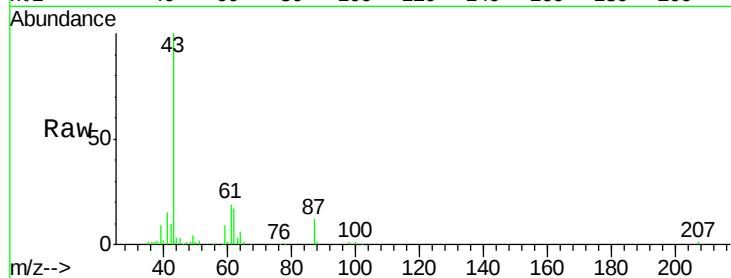




#43
Isopropyl Acetate
Concen: 20.57 ug/l
RT: 8.43 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

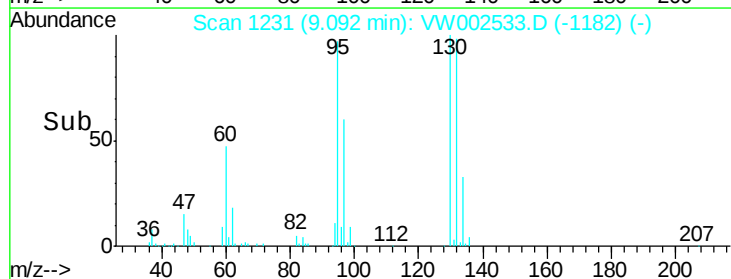
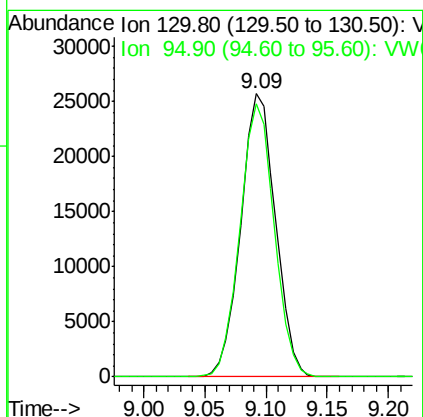
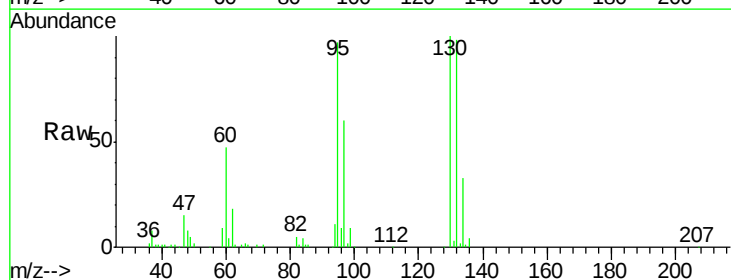
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

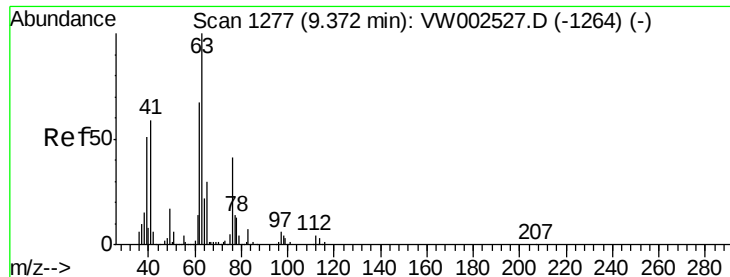
Tgt Ion: 43 Resp: 61431
Ion Ratio Lower Upper
43 100
61 28.8 23.0 34.6
87 13.0 10.6 15.8



#44
Trichloroethene
Concen: 20.61 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion: 130 Resp: 50754
Ion Ratio Lower Upper
130 100
95 96.6 0.0 194.6





#45

1,2-Dichloropropane

Concen: 19.79 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

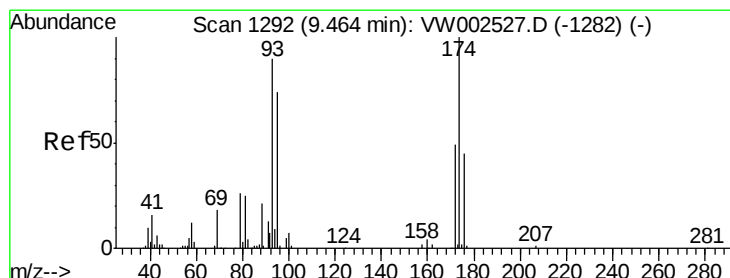
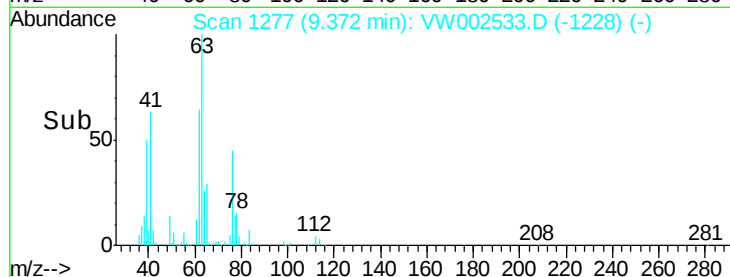
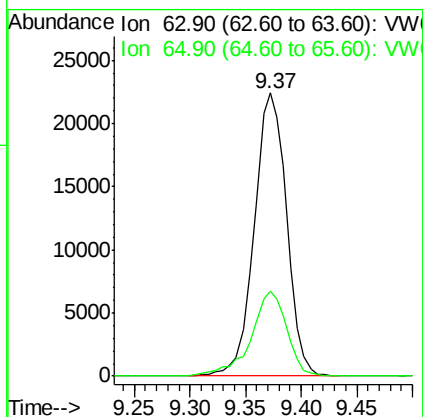
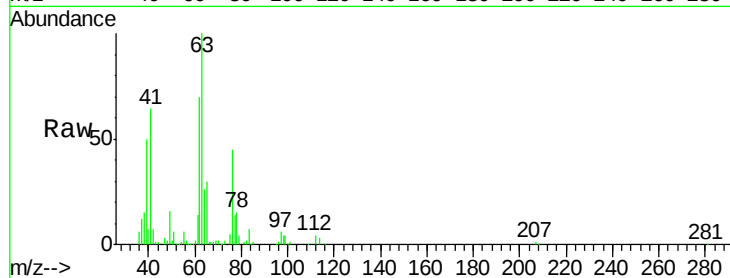
VW0515SBS01

Tgt Ion: 63 Resp: 45324

Ion Ratio Lower Upper

63 100

65 30.1 24.4 36.6



#46

Dibromomethane

Concen: 19.79 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

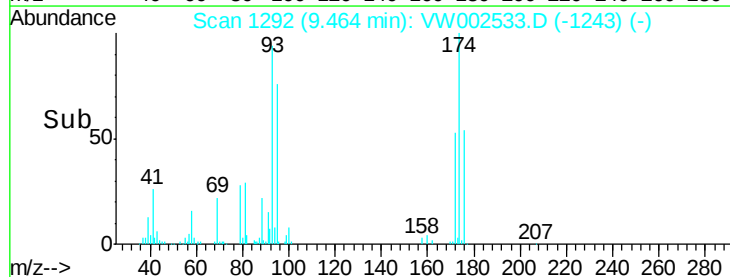
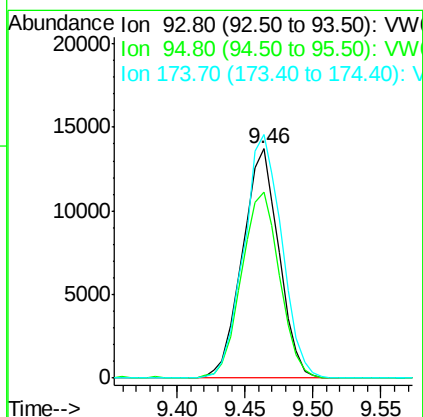
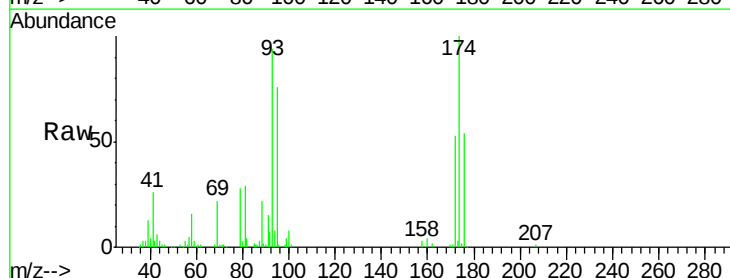
Tgt Ion: 93 Resp: 25796

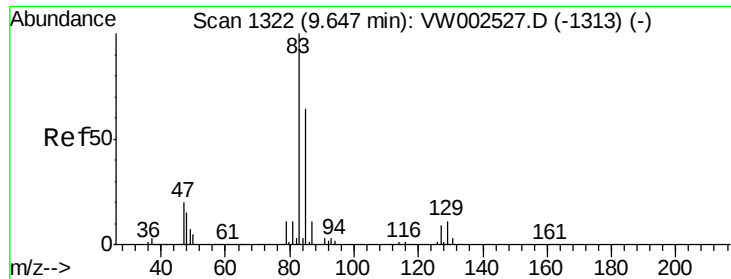
Ion Ratio Lower Upper

93 100

95 84.5 66.6 100.0

174 110.3 84.0 126.0





#47

Bromodichloromethane

Concen: 19.98 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

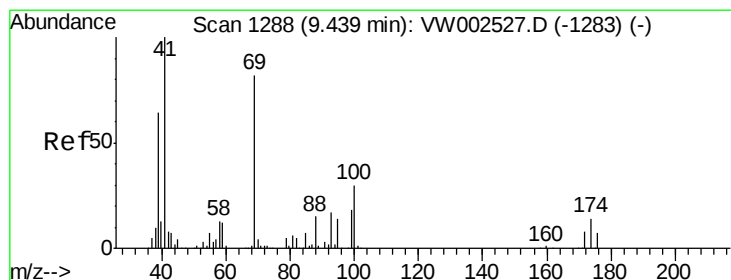
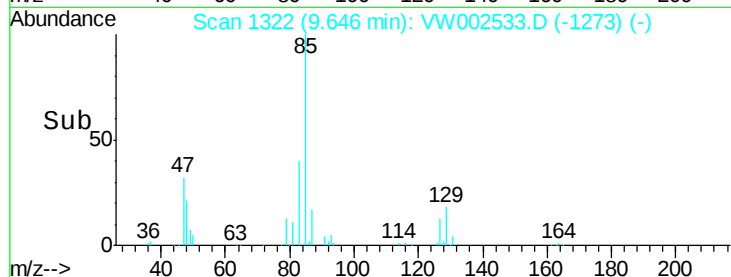
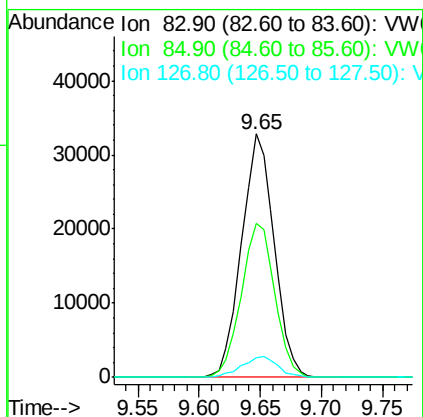
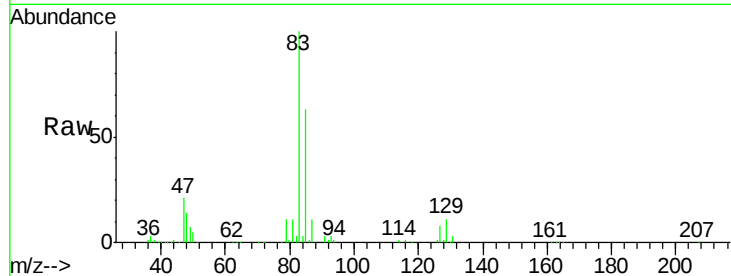
Tgt Ion: 83 Resp: 60736

Ion Ratio Lower Upper

83 100

85 63.5 51.4 77.2

127 8.2 7.0 10.4



#48

Methyl methacrylate

Concen: 19.68 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

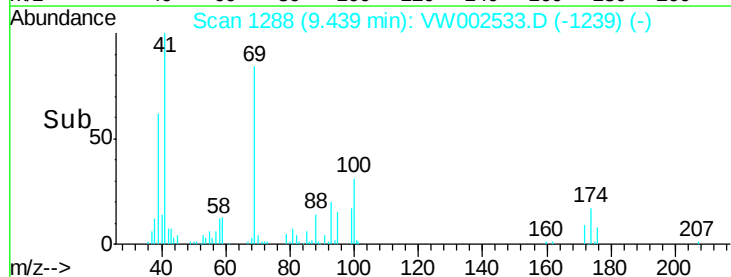
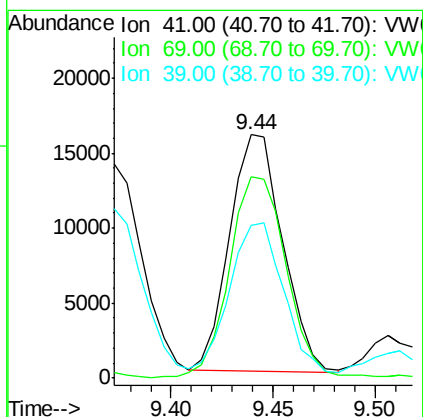
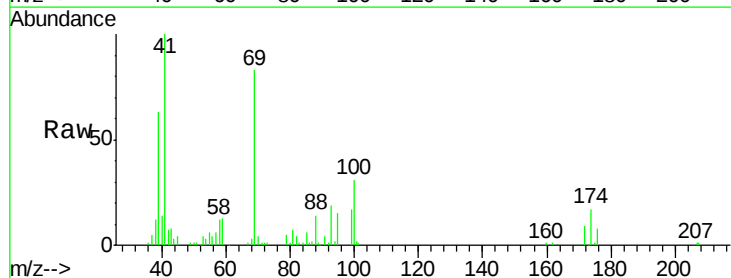
Tgt Ion: 41 Resp: 28472

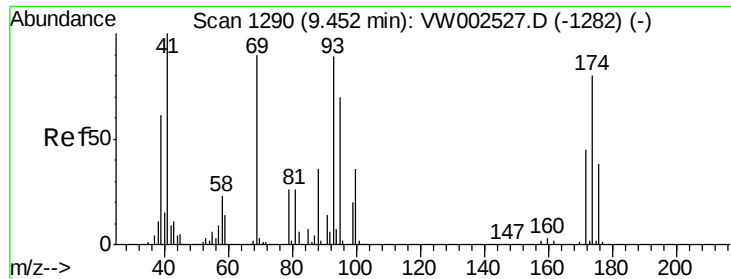
Ion Ratio Lower Upper

41 100

69 90.7 69.7 104.5

39 69.2 55.0 82.4

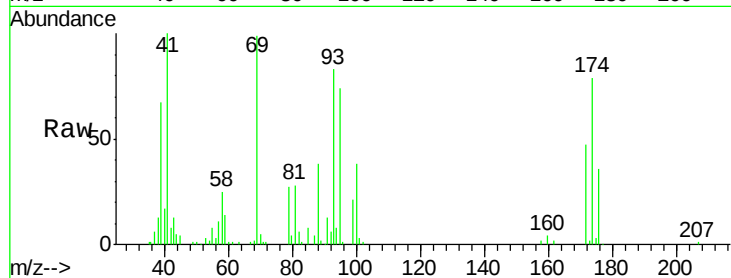




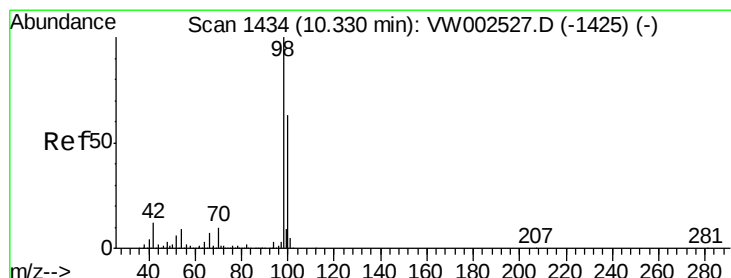
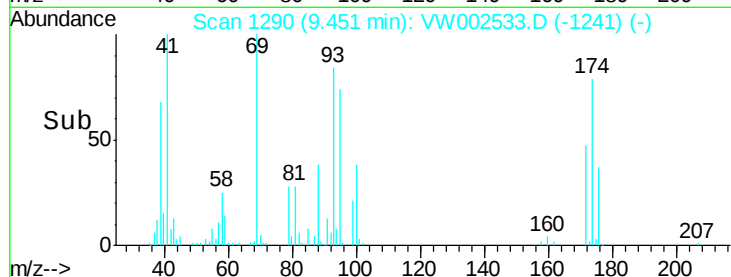
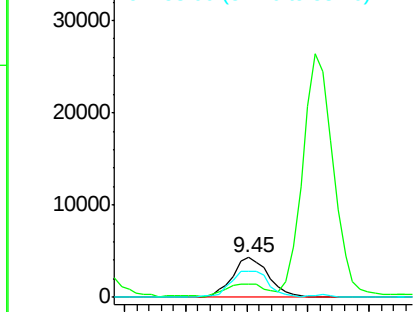
#49
 1,4-Dioxane
 Concen: 413.04 ug/l
 RT: 9.45 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

Tgt Ion: 88 Resp: 8971
 Ion Ratio Lower Upper
 88 100
 43 36.0 27.0 40.4
 58 68.5 56.9 85.3

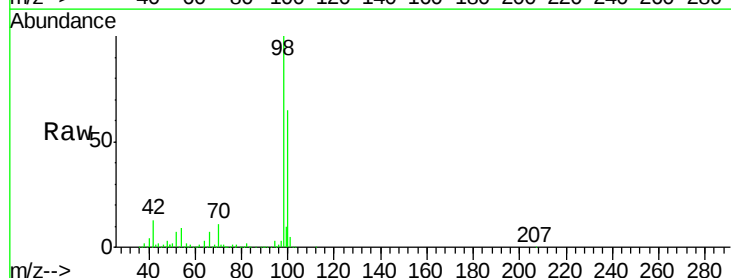


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

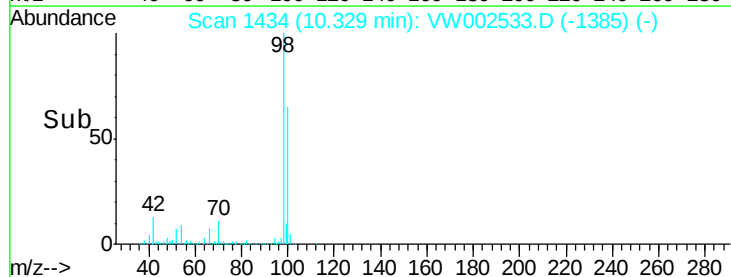
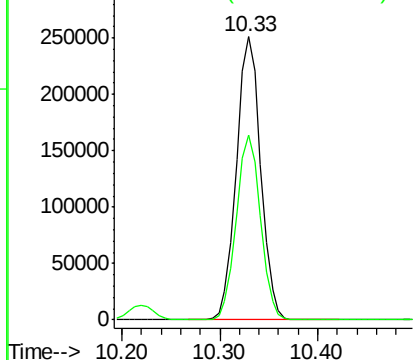


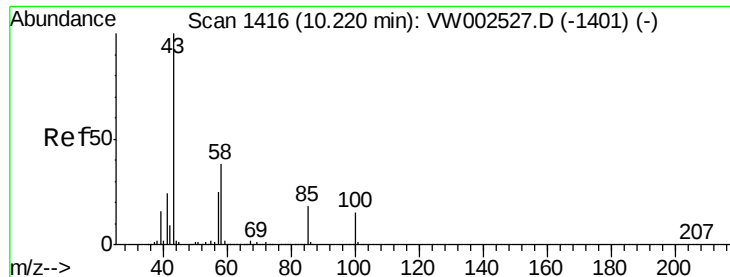
#50
 Toluene-d8
 Concen: 50.45 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion: 98 Resp: 431978
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW

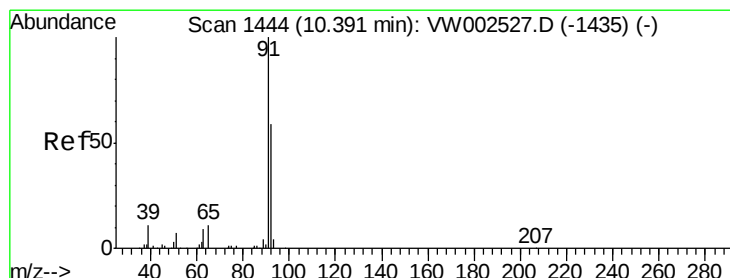
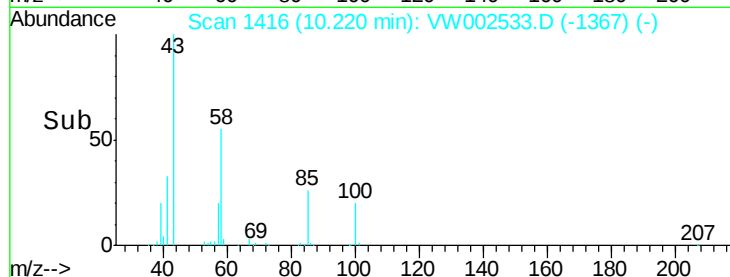
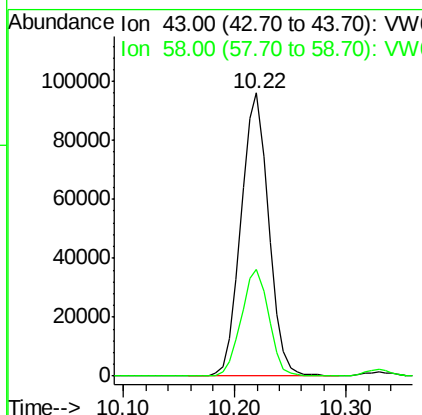
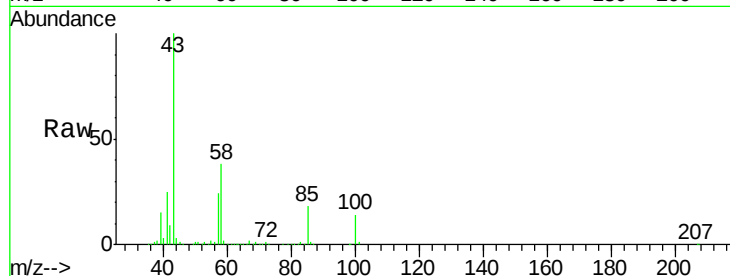




#51
 4-Methyl-2-Pentanone
 Concen: 101.23 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

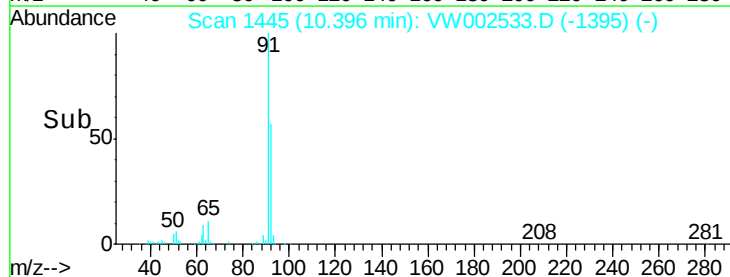
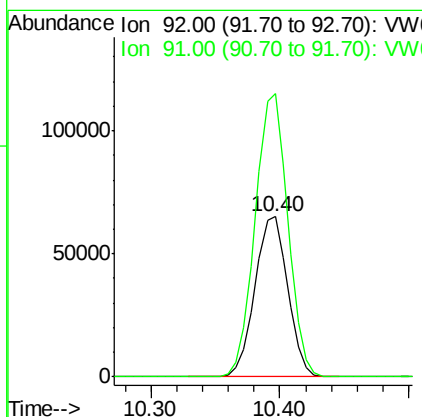
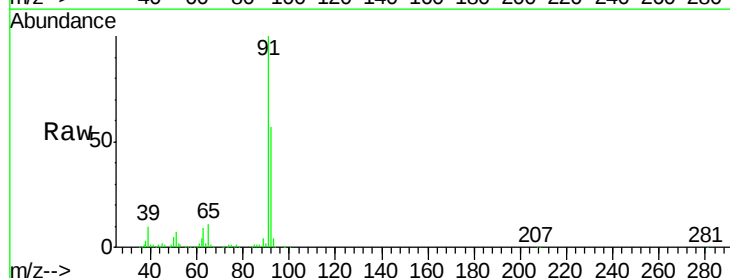
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

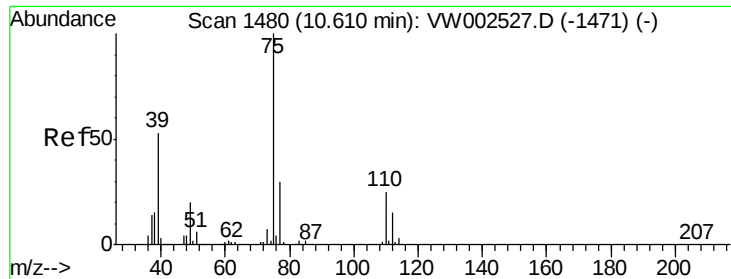
Tgt Ion: 43 Resp: 165972
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.1 45.1



#52
 Toluene
 Concen: 20.21 ug/l
 RT: 10.40 min Scan# 1445
 Delta R.T. 0.01 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion: 92 Resp: 114845
 Ion Ratio Lower Upper
 92 100
 91 175.4 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 19.05 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

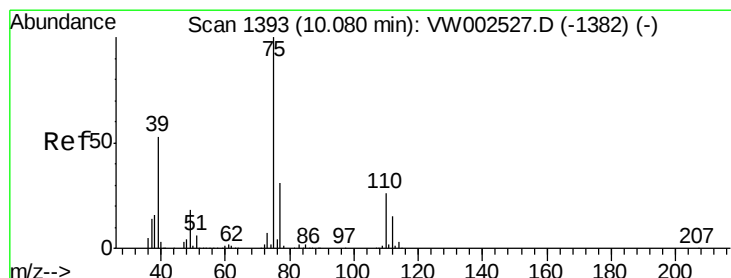
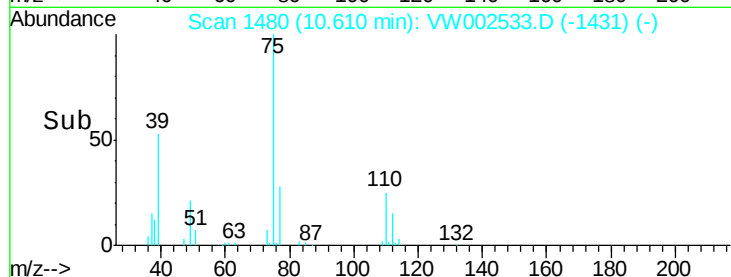
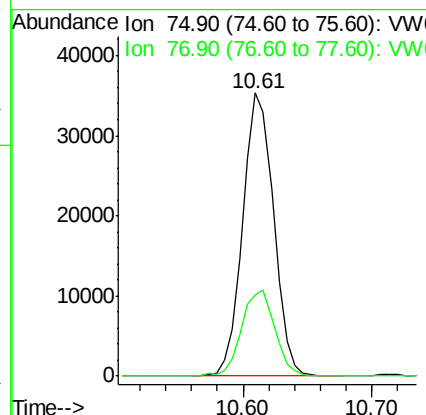
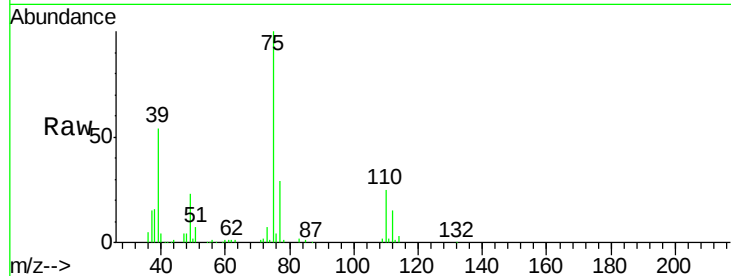
VW0515SBS01

Tgt Ion: 75 Resp: 58553

Ion Ratio Lower Upper

75 100

77 28.5 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 20.02 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

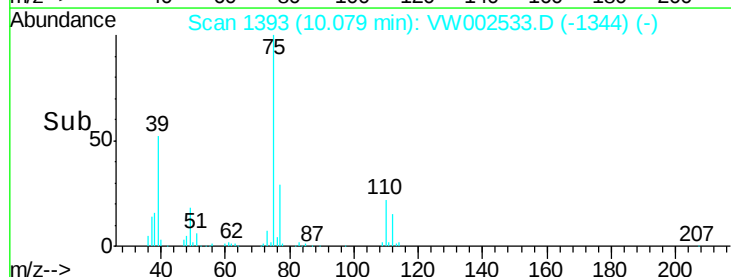
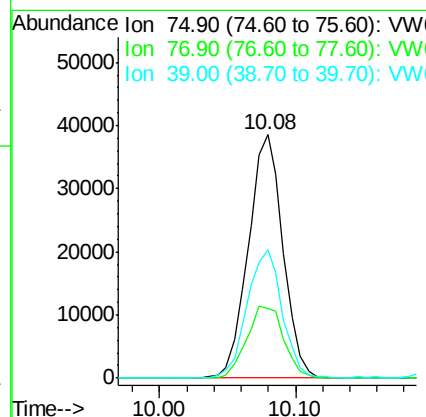
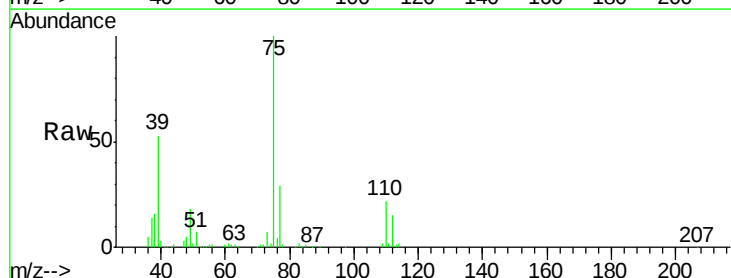
Tgt Ion: 75 Resp: 68595

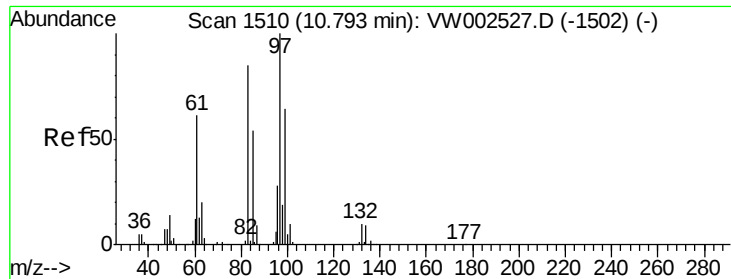
Ion Ratio Lower Upper

75 100

77 28.5 25.0 37.4

39 52.3 42.5 63.7

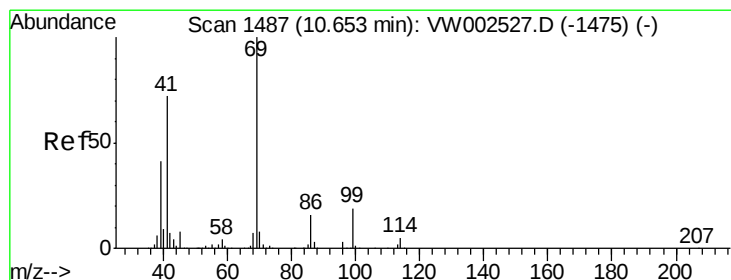
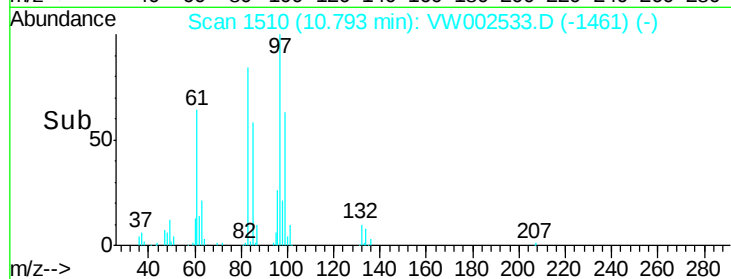
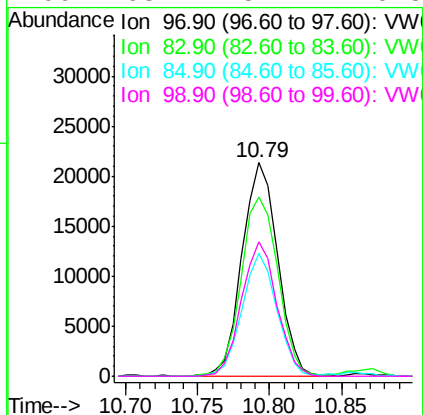
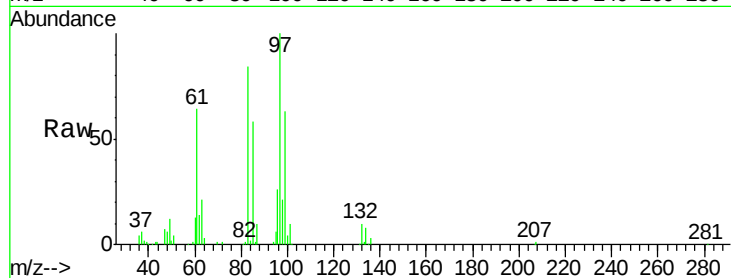




#55
 1,1,2-Trichloroethane
 Concen: 20.00 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

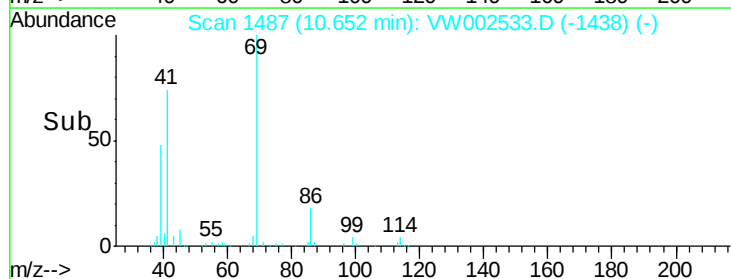
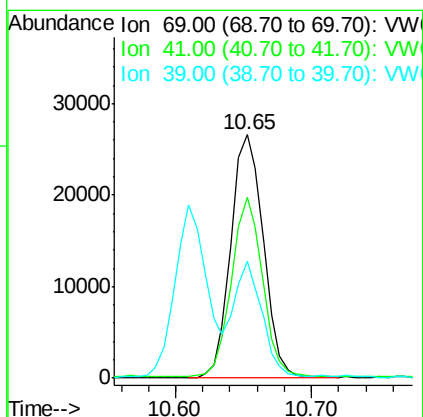
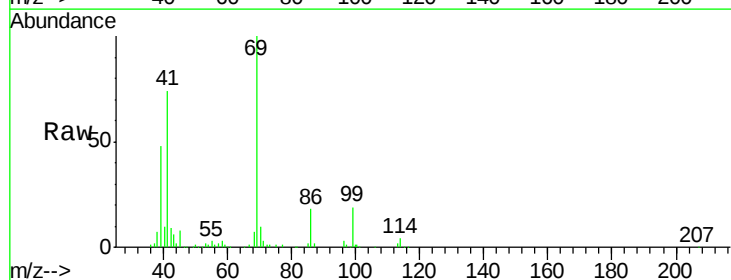
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

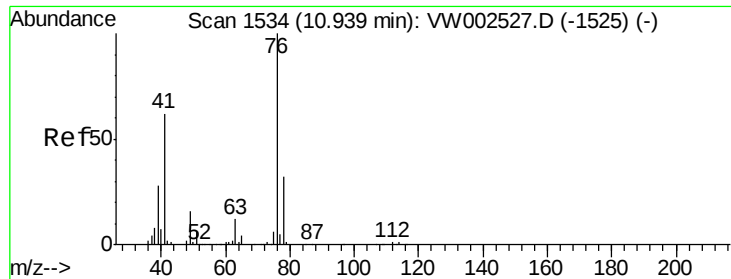
Tgt Ion: 97 Resp: 36716
 Ion Ratio Lower Upper
 97 100
 83 84.0 68.1 102.1
 85 57.7 43.6 65.4
 99 63.1 51.2 76.8



#56
 Ethyl methacrylate
 Concen: 19.87 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion: 69 Resp: 44468
 Ion Ratio Lower Upper
 69 100
 41 70.4 55.3 82.9
 39 41.5 33.0 49.6

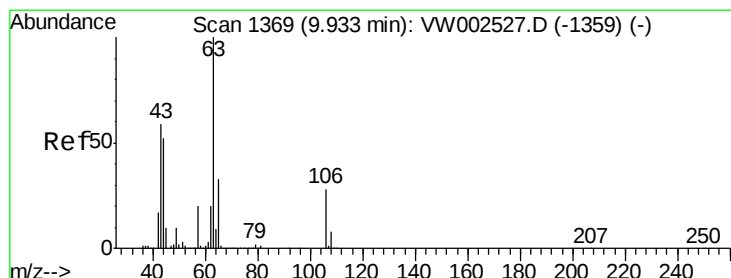
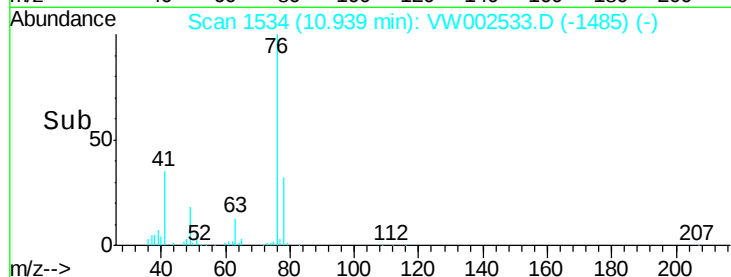
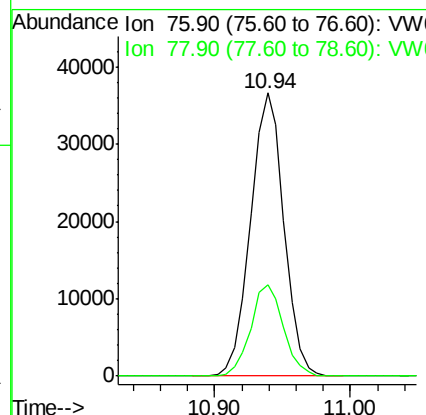
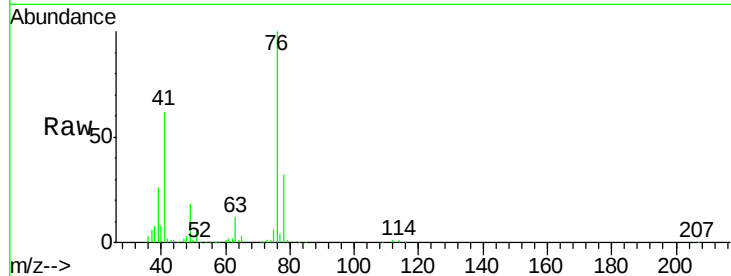




#57
 1,3-Dichloropropane
 Concen: 20.59 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

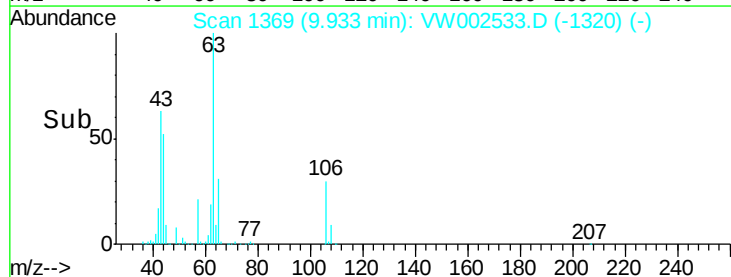
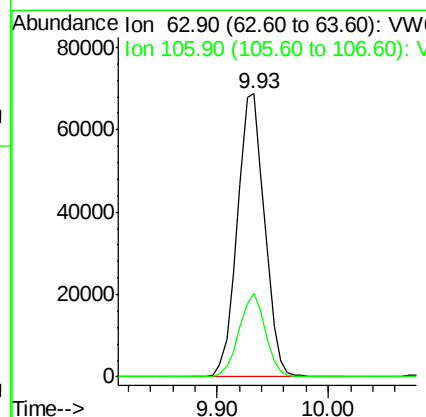
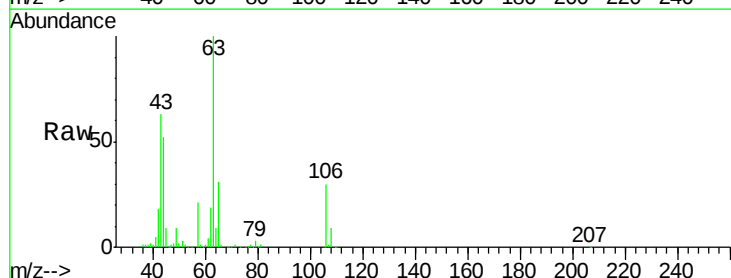
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

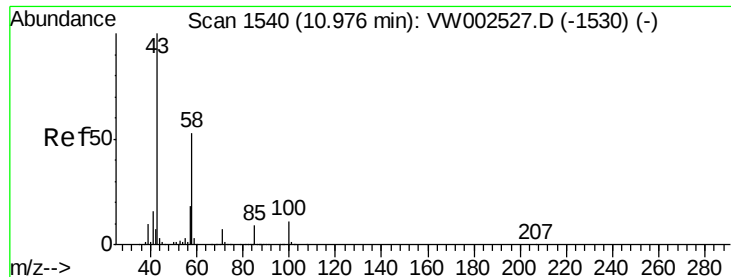
Tgt Ion: 76 Resp: 62718
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.00 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion: 63 Resp: 116436
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.9 34.3

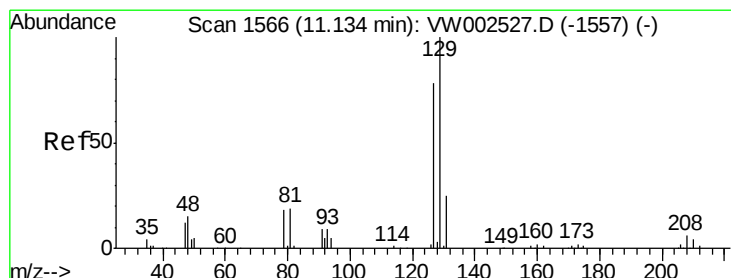
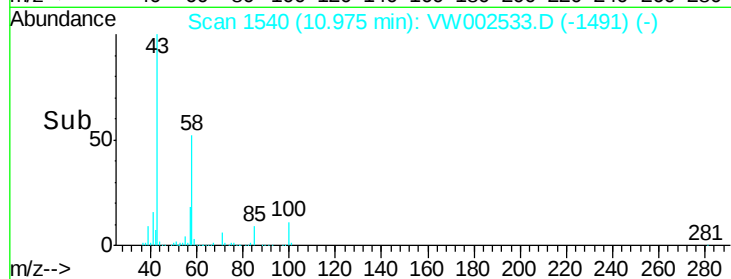
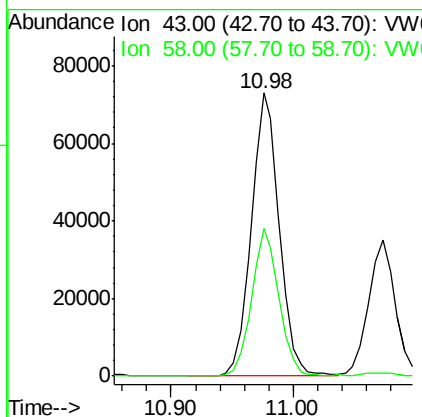
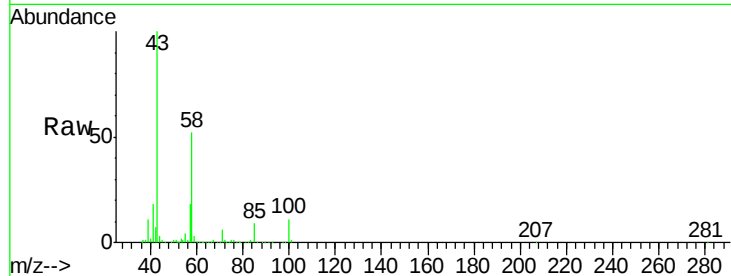




#59
2-Hexanone
Concen: 102.51 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

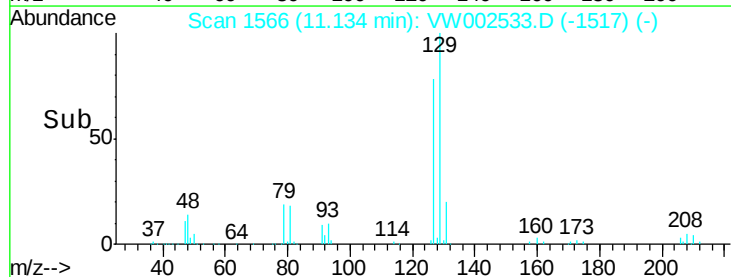
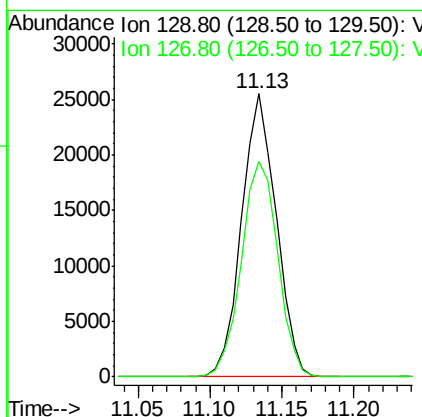
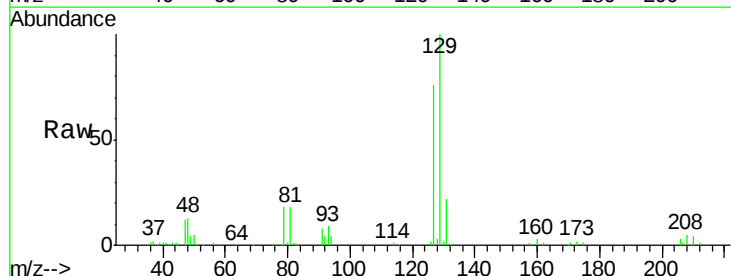
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

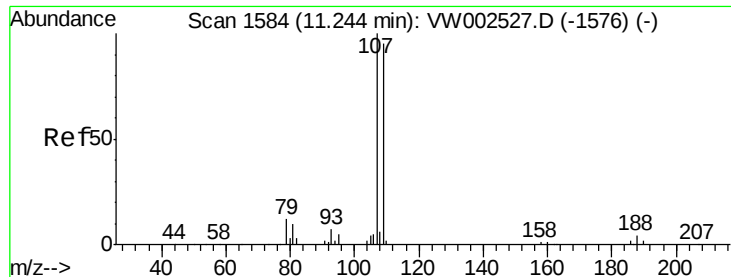
Tgt Ion: 43 Resp: 116032
Ion Ratio Lower Upper
43 100
58 51.1 26.3 78.8



#60
Dibromochloromethane
Concen: 19.63 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion: 129 Resp: 42536
Ion Ratio Lower Upper
129 100
127 79.7 38.6 115.7





#61

1,2-Dibromoethane

Concen: 20.38 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

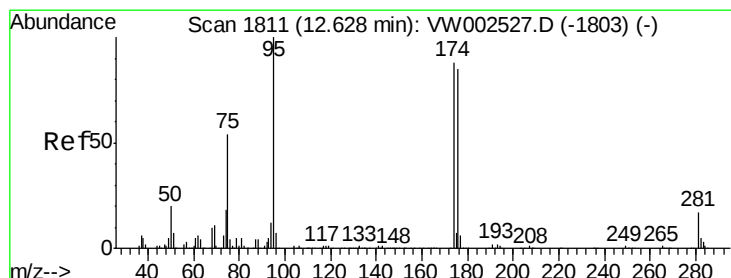
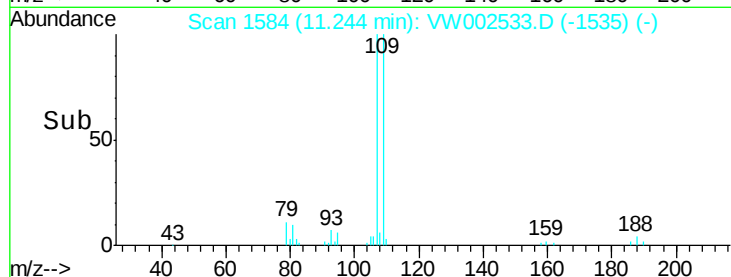
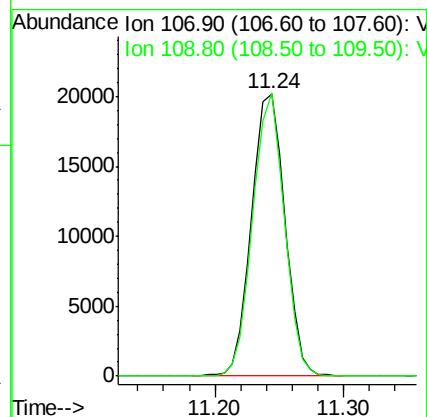
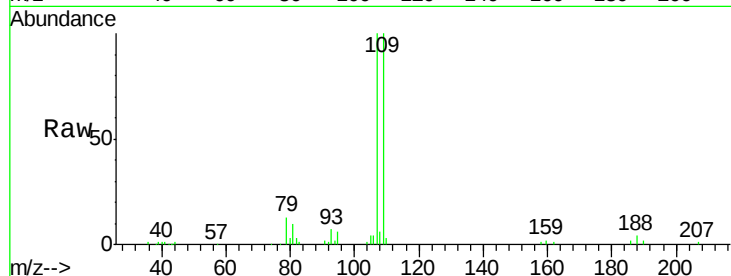
VW0515SBS01

Tgt Ion: 107 Resp: 36114

Ion Ratio Lower Upper

107 100

109 94.5 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 49.90 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

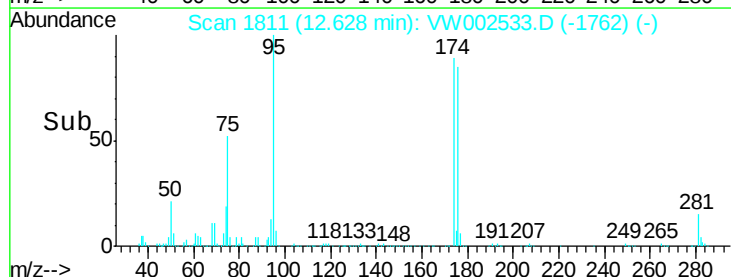
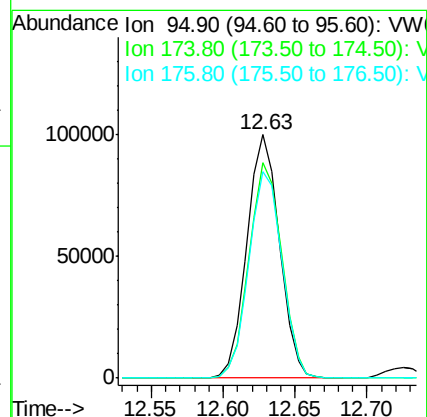
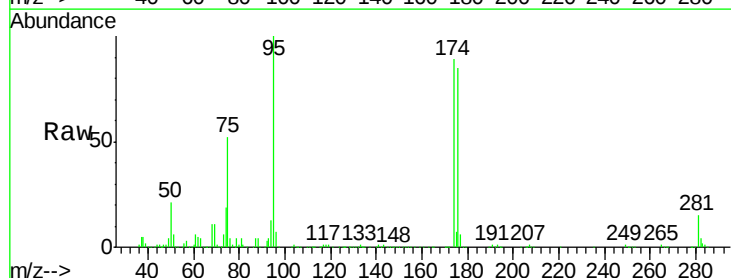
Tgt Ion: 95 Resp: 156232

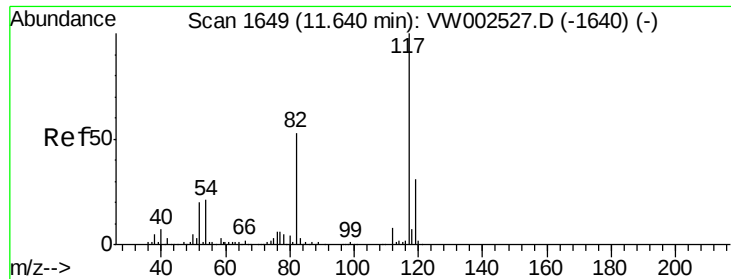
Ion Ratio Lower Upper

95 100

174 89.4 0.0 176.6

176 86.3 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: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

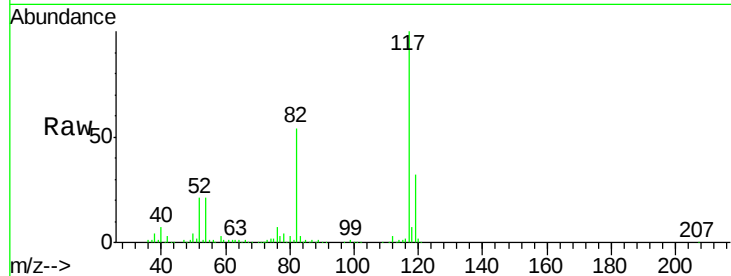
Tgt Ion:117 Resp: 329123

Ion Ratio Lower Upper

117 100

82 53.8 42.6 64.0

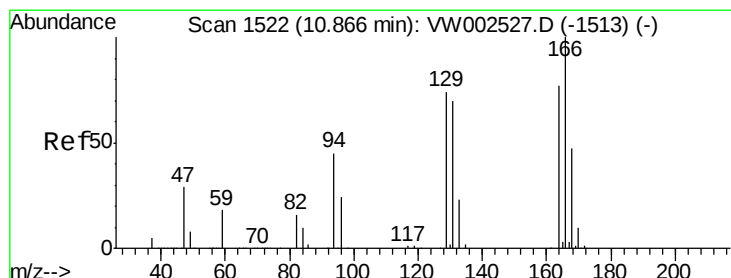
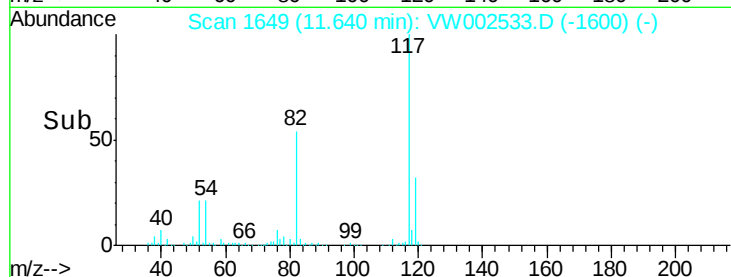
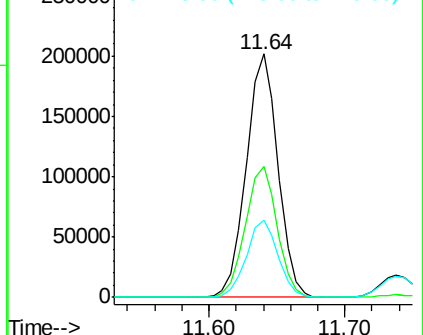
119 31.8 25.0 37.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.88 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Tgt Ion:164 Resp: 48447

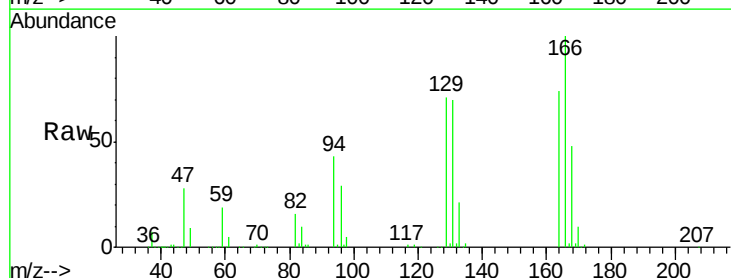
Ion Ratio Lower Upper

164 100

166 135.9 104.2 156.2

129 96.0 77.0 115.4

131 94.5 73.1 109.7

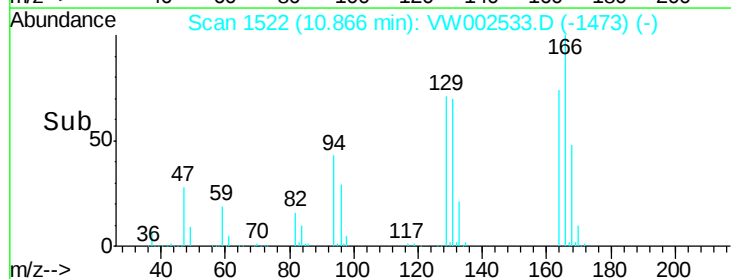
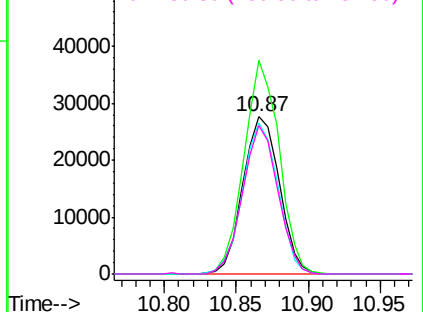


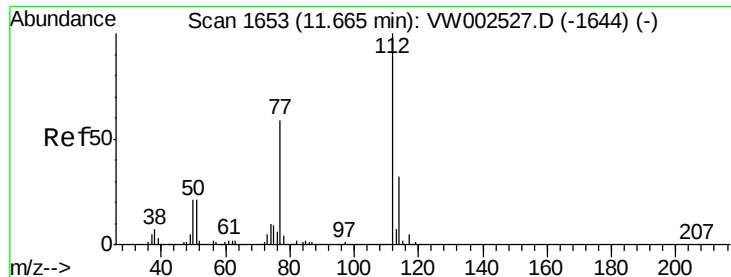
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.87 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

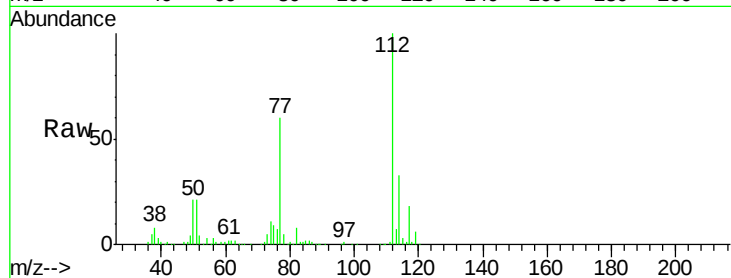
VW0515SBS01

Tgt Ion:112 Resp: 130271

Ion Ratio Lower Upper

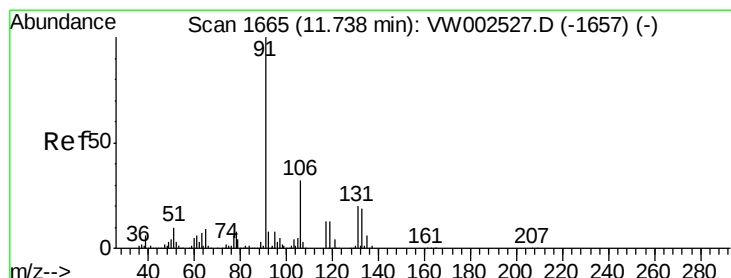
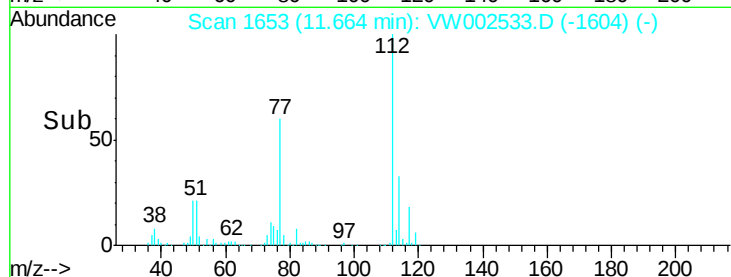
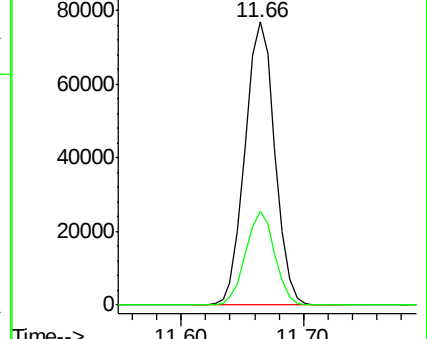
112 100

114 33.2 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: 19.90 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

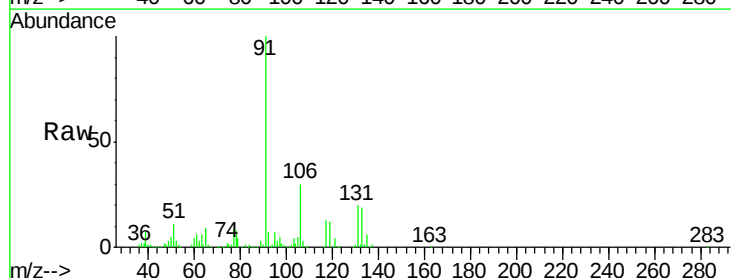
Tgt Ion:131 Resp: 46702

Ion Ratio Lower Upper

131 100

133 95.7 48.4 145.3

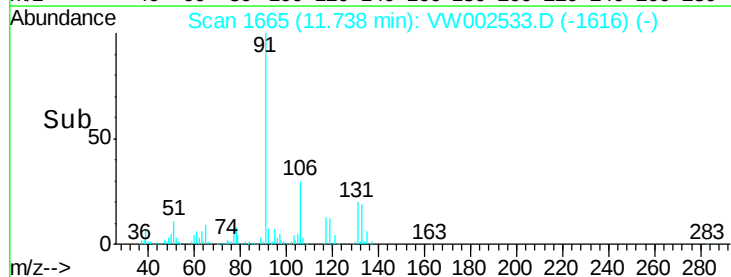
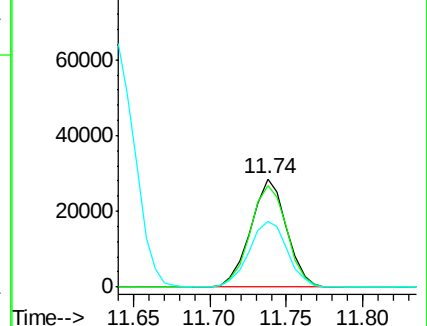
119 64.3 32.2 96.6

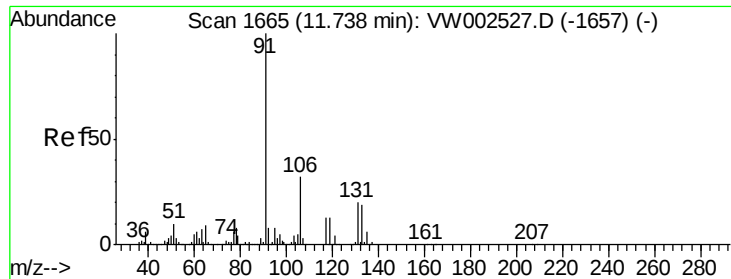


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

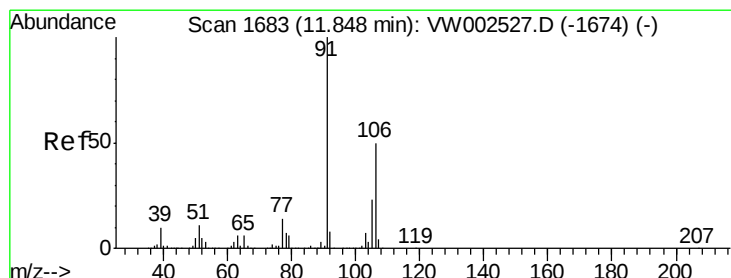
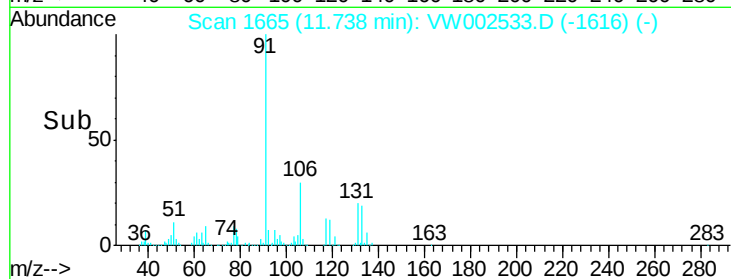
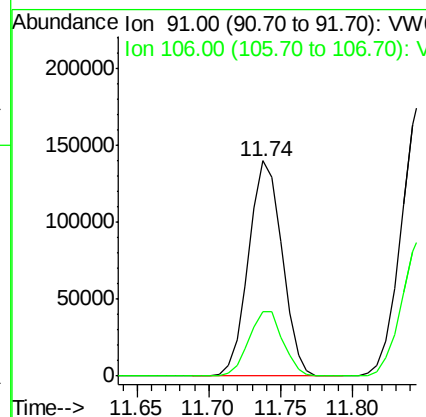
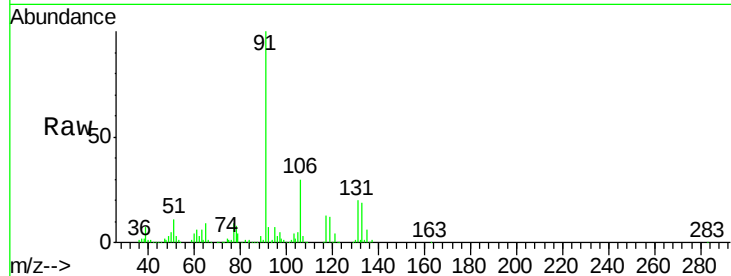




#67
Ethyl Benzene
Concen: 20.21 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

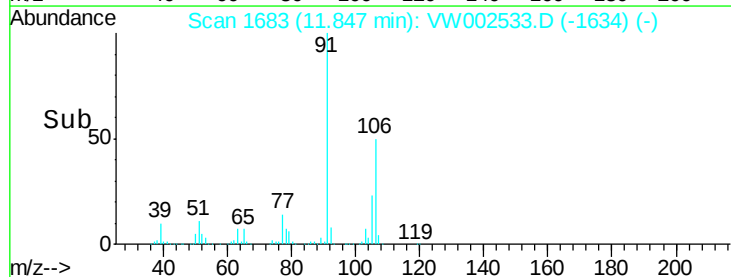
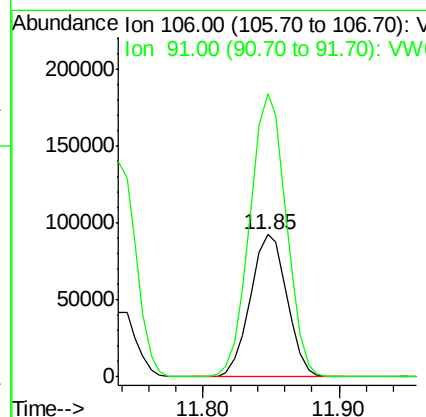
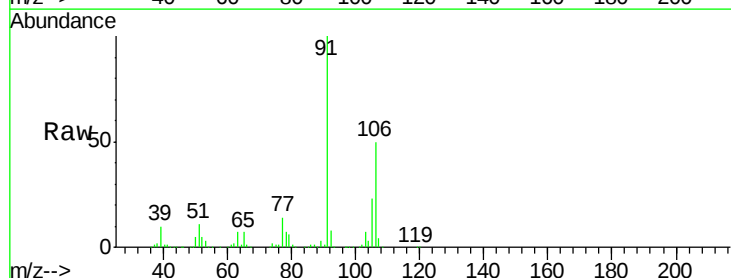
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

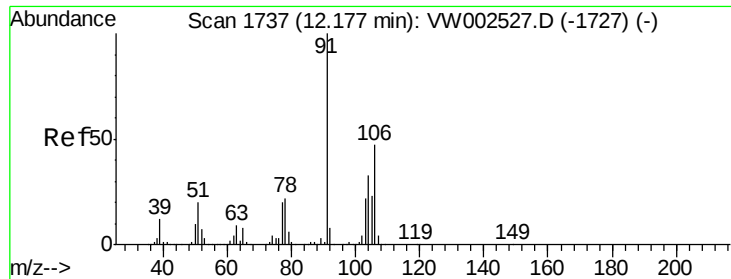
Tgt Ion: 91 Resp: 225206
Ion Ratio Lower Upper
91 100
106 30.1 25.4 38.0



#68
m/p-Xylenes
Concen: 40.32 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion: 106 Resp: 174659
Ion Ratio Lower Upper
106 100
91 197.5 161.4 242.2

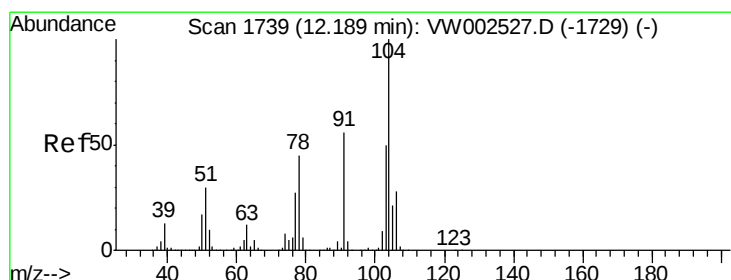
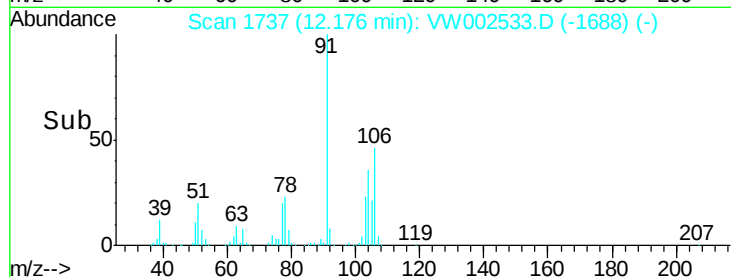
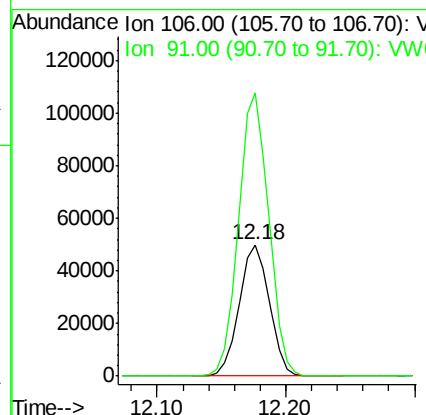
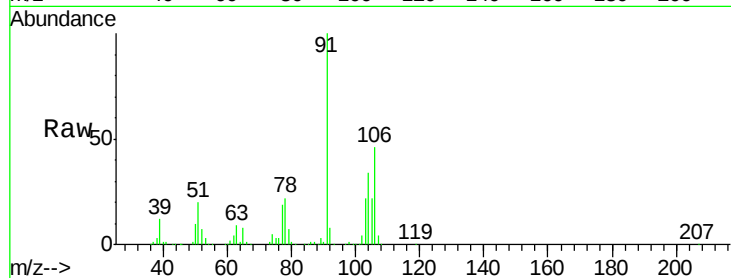




#69
o-Xylene
Concen: 19.71 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

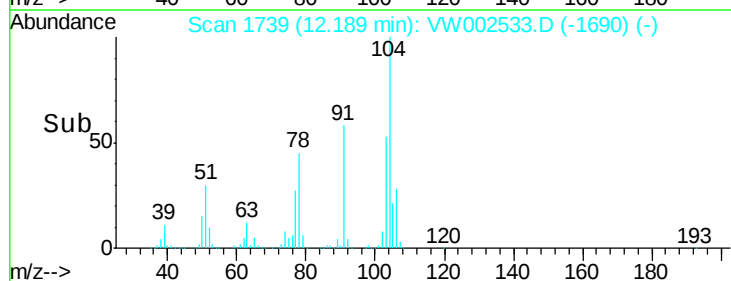
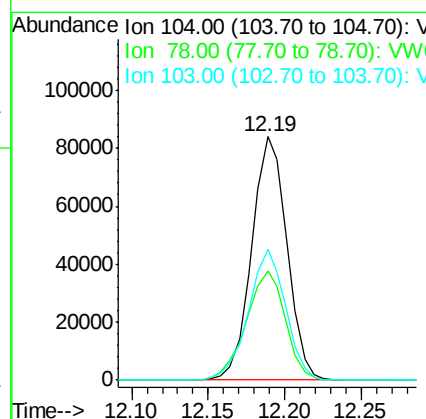
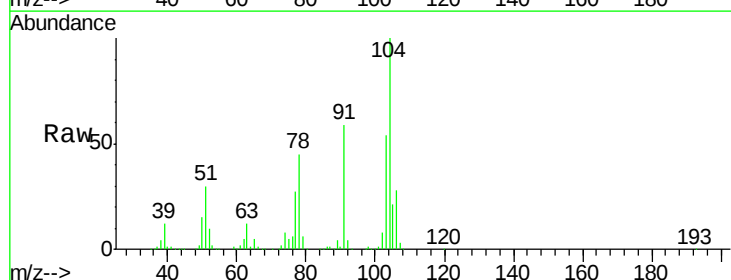
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

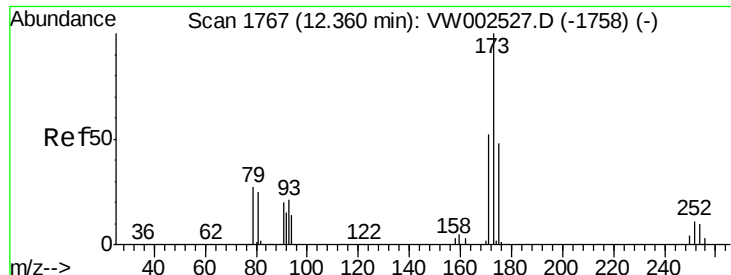
Tgt Ion:106 Resp: 81117
Ion Ratio Lower Upper
106 100
91 215.6 106.7 320.2



#70
Styrene
Concen: 19.64 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion:104 Resp: 134524
Ion Ratio Lower Upper
104 100
78 49.6 40.1 60.1
103 56.7 44.6 66.8

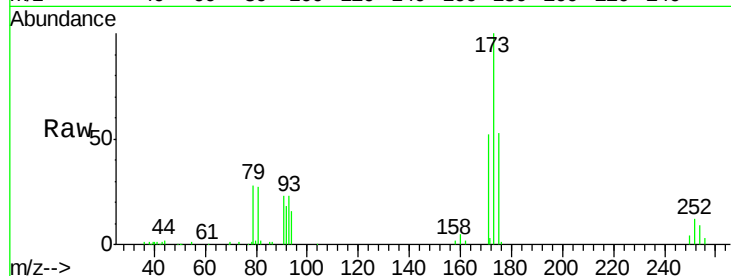




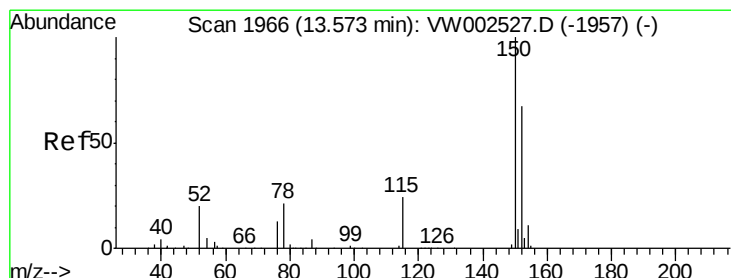
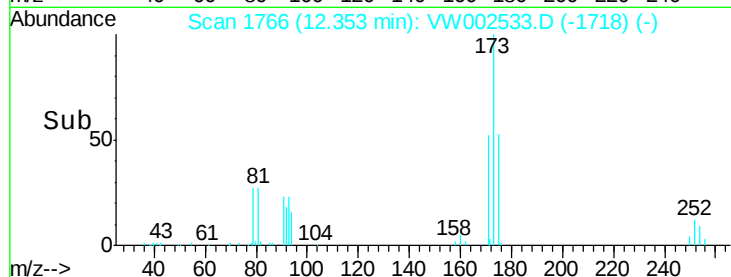
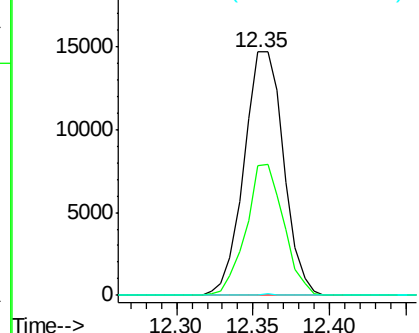
#71
Bromoform
Concen: 19.15 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. -0.01 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tgt Ion:173 Resp: 26408
Ion Ratio Lower Upper
173 100
175 51.0 24.5 73.5
254 0.2 0.1 0.1#

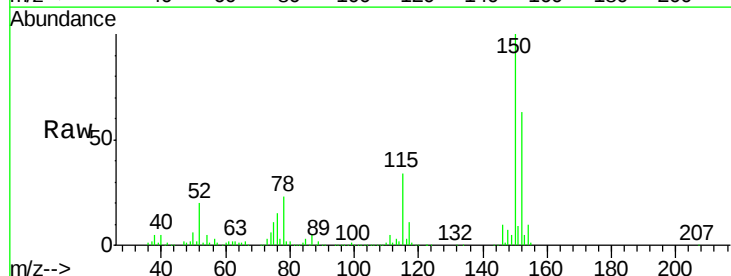


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

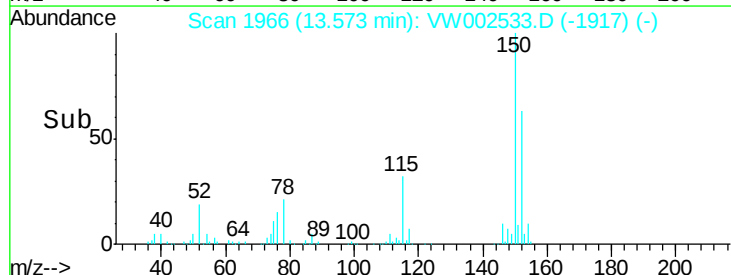
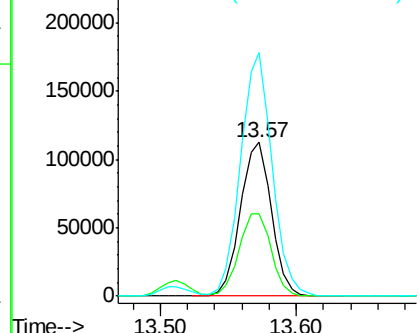


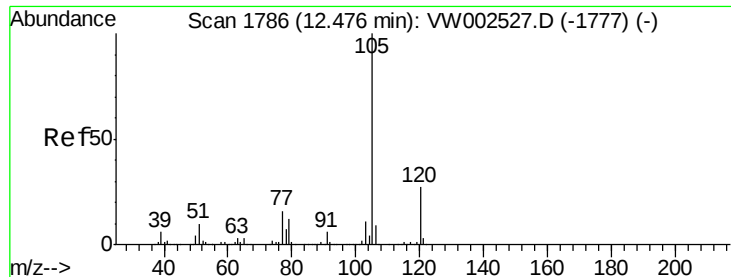
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion:152 Resp: 178060
Ion Ratio Lower Upper
152 100
115 55.9 28.0 84.0
150 161.7 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: 20.43 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

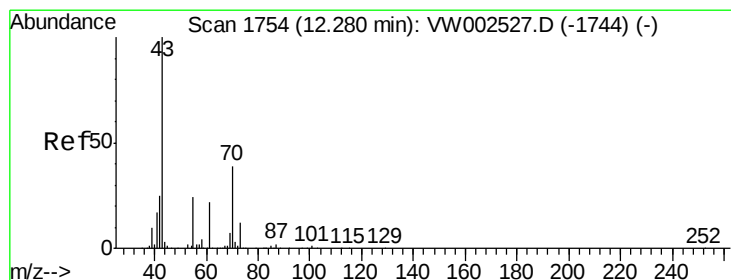
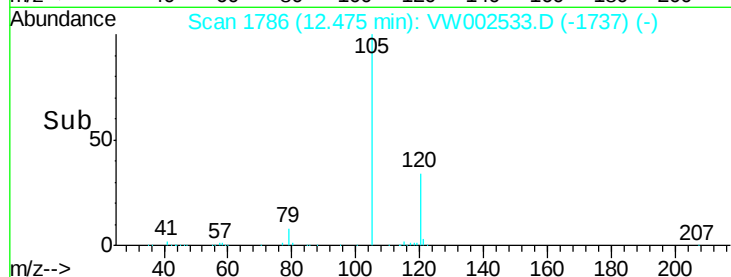
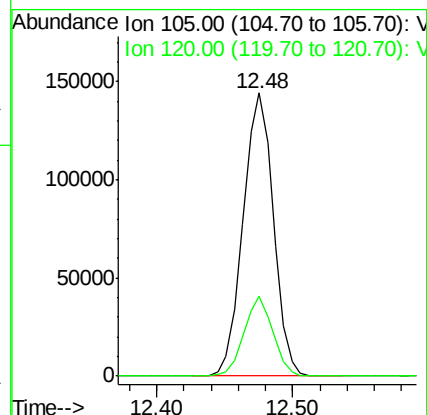
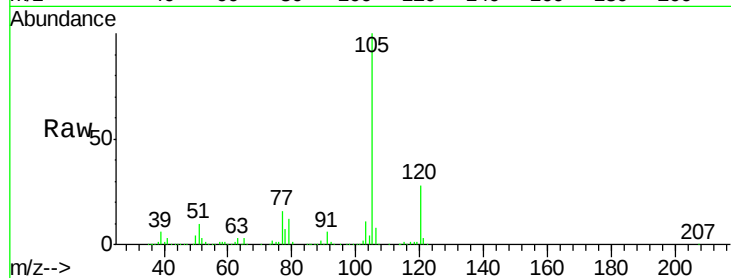
VW0515SBS01

Tgt Ion: 105 Resp: 224209

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 21.05 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Tgt Ion: 43 Resp: 58870

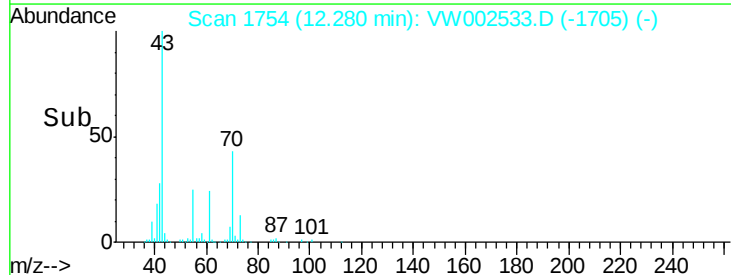
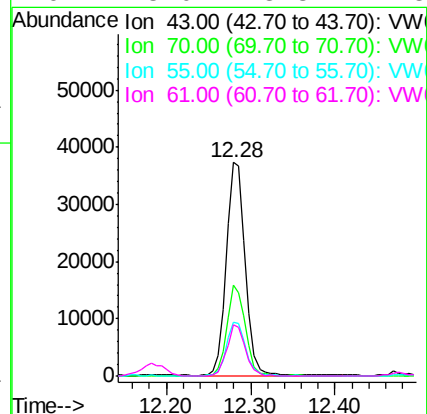
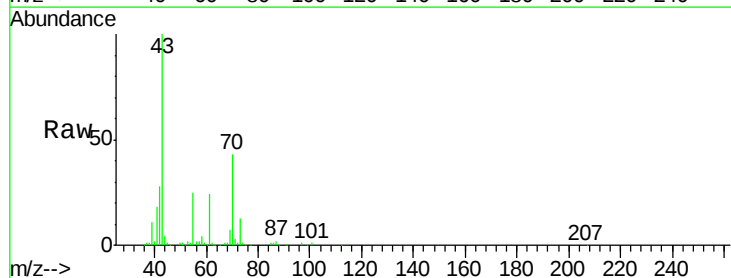
Ion Ratio Lower Upper

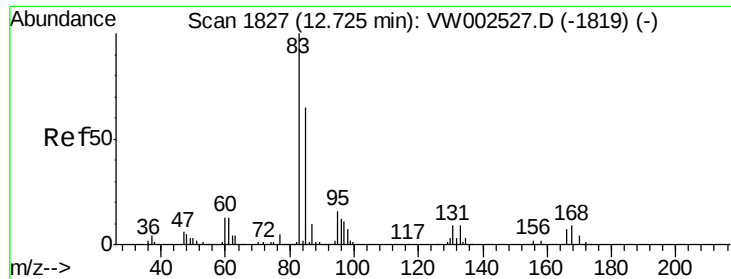
43 100

70 40.6 31.9 47.9

55 25.6 19.4 29.0

61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.53 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

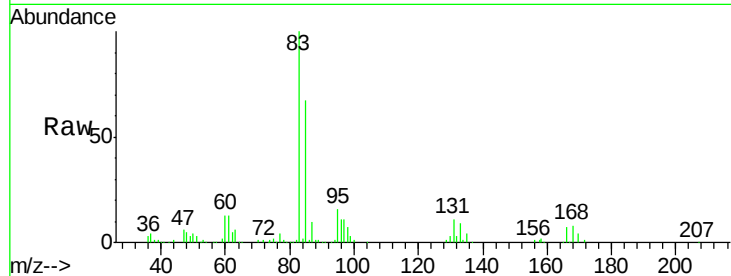
Tgt Ion: 83 Resp: 45658

Ion Ratio Lower Upper

83 100

131 11.4 5.4 16.2

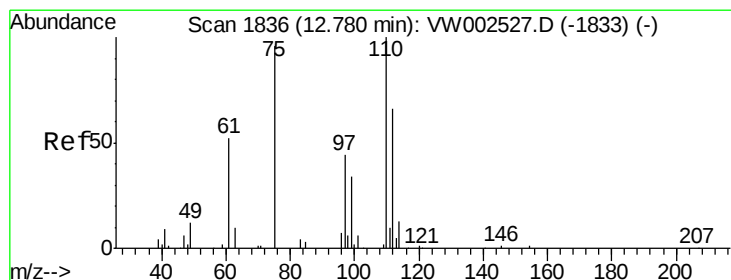
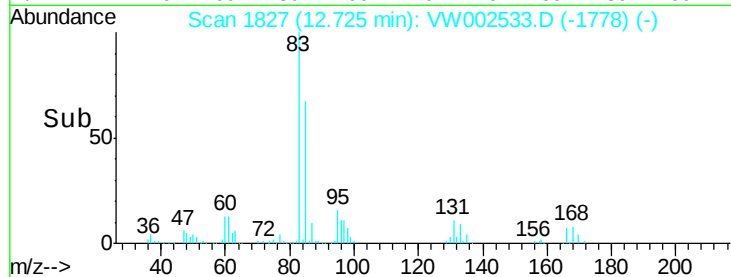
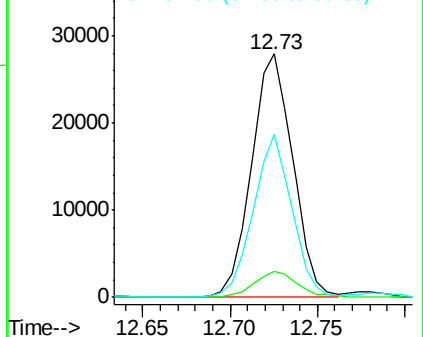
85 62.7 31.6 94.8



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: 33.92 ug/l

RT: 12.78 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VW002533.D

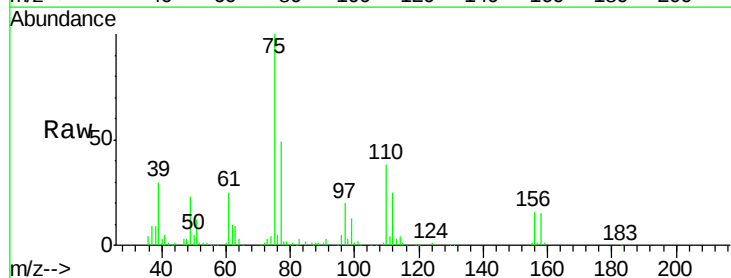
Acq: 15 May 2018 01:26

Tgt Ion: 75 Resp: 57087

Ion Ratio Lower Upper

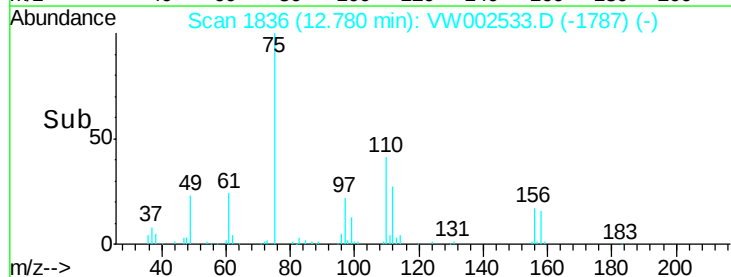
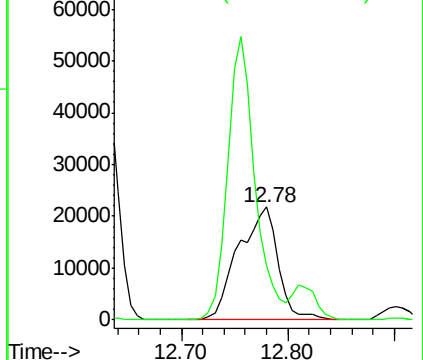
75 100

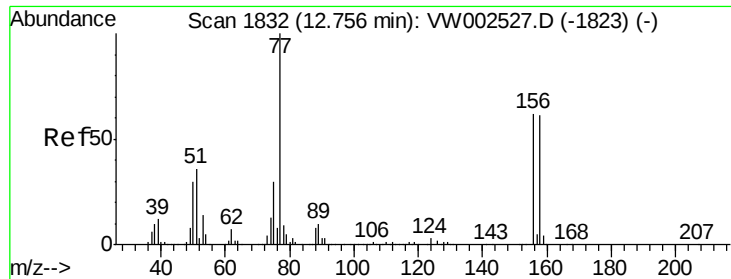
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

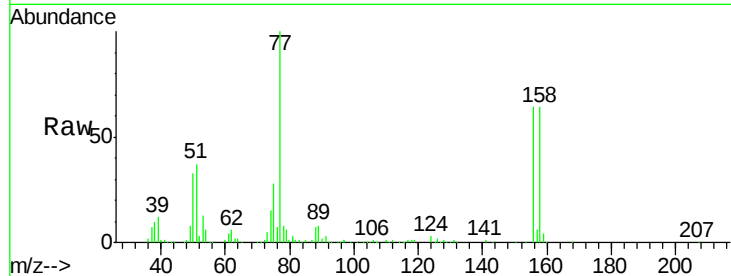




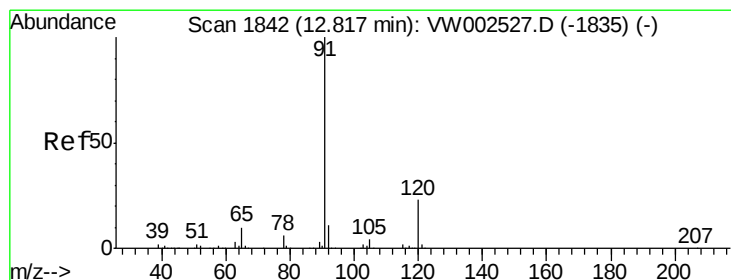
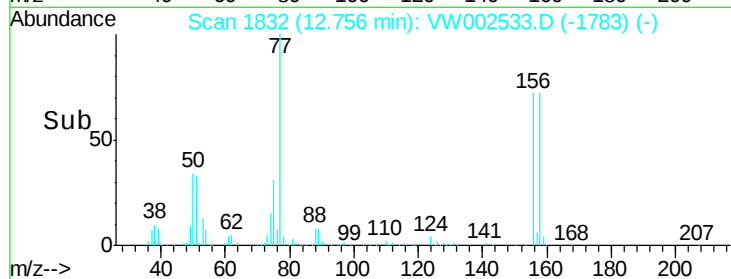
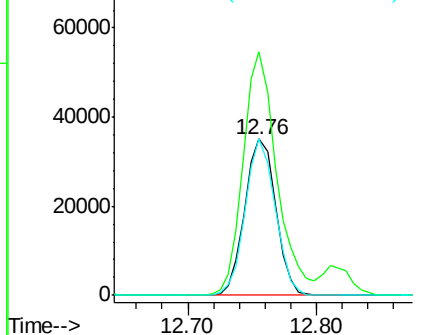
#77
Bromobenzene
Concen: 20.81 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tgt Ion:156 Resp: 58273
Ion Ratio Lower Upper
156 100
77 169.4 89.8 269.4
158 96.3 48.8 146.3

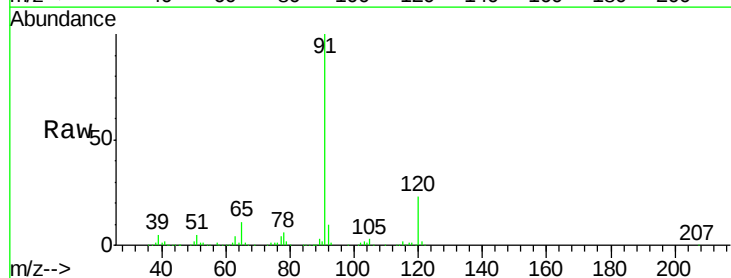


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

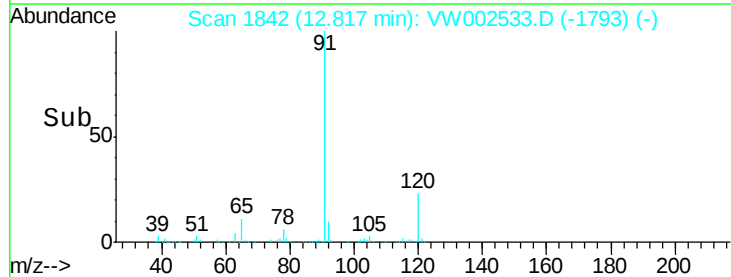
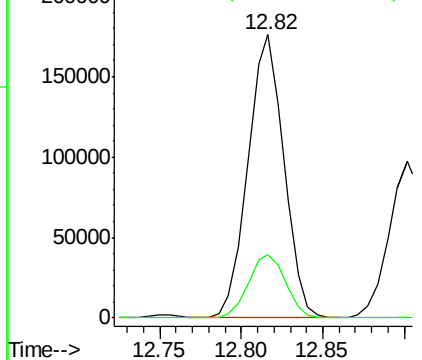


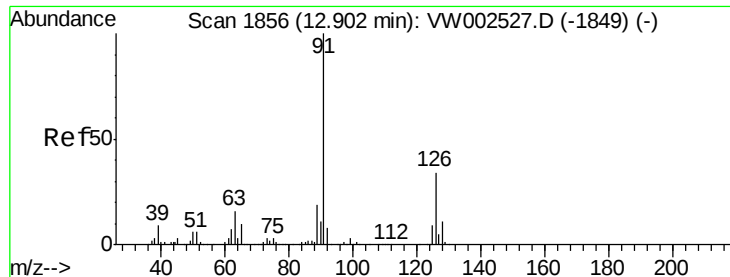
#78
n-propylbenzene
Concen: 20.29 ug/l
RT: 12.82 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion: 91 Resp: 268957
Ion Ratio Lower Upper
91 100
120 23.3 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: 20.44 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

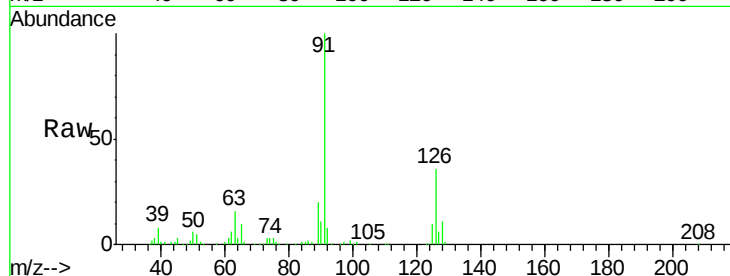
VW0515SBS01

Tgt Ion: 91 Resp: 153853

Ion Ratio Lower Upper

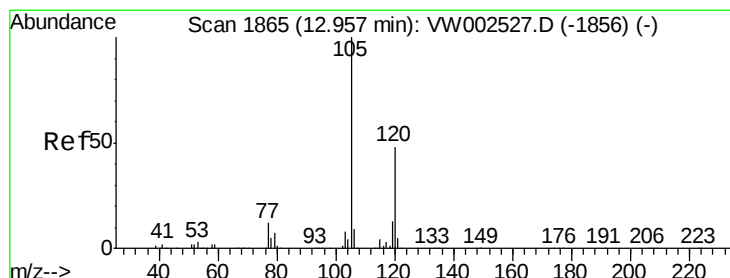
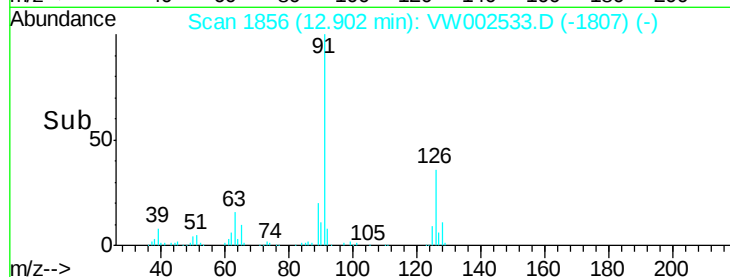
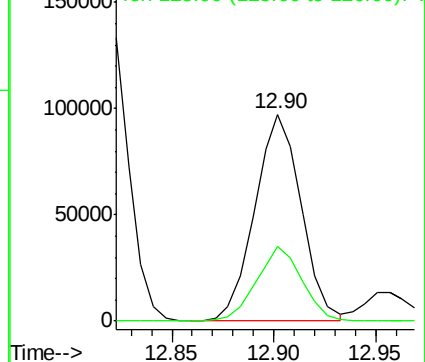
91 100

126 35.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.91 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002533.D

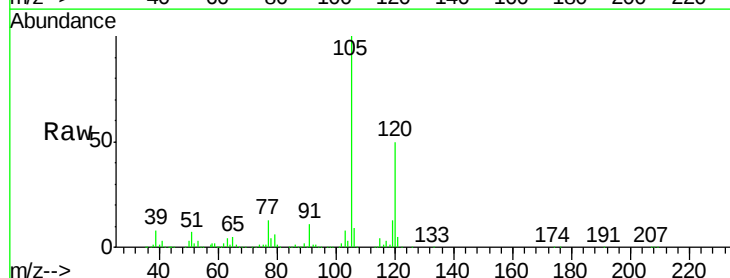
Acq: 15 May 2018 01:26

Tgt Ion: 105 Resp: 186501

Ion Ratio Lower Upper

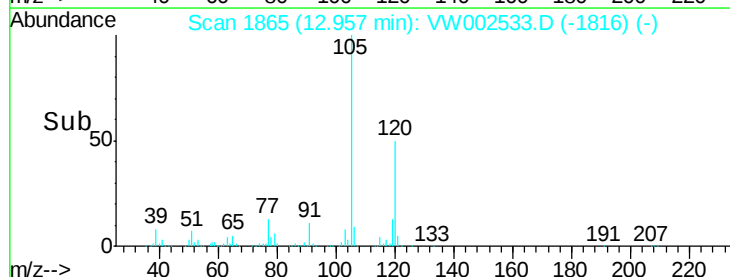
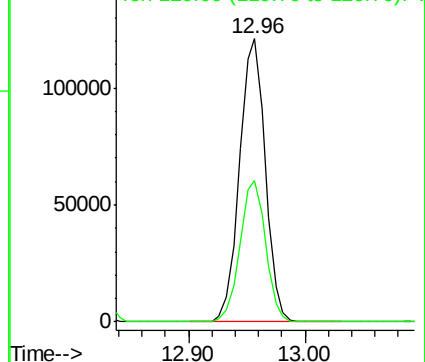
105 100

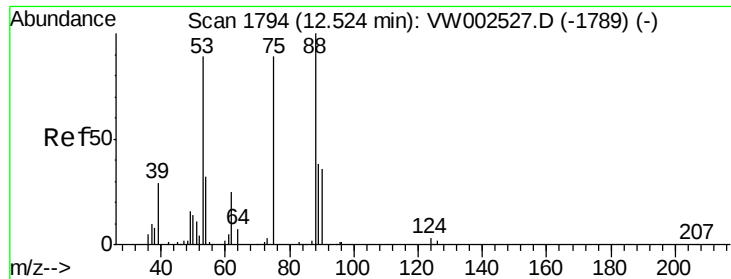
120 49.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.83 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

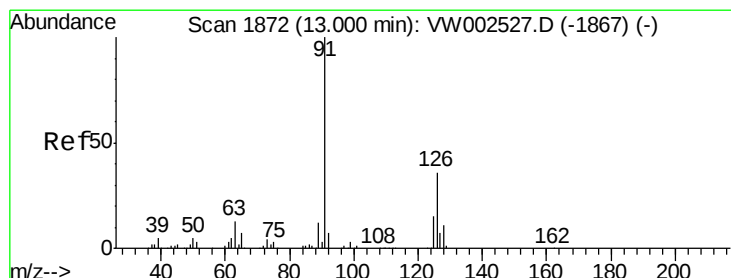
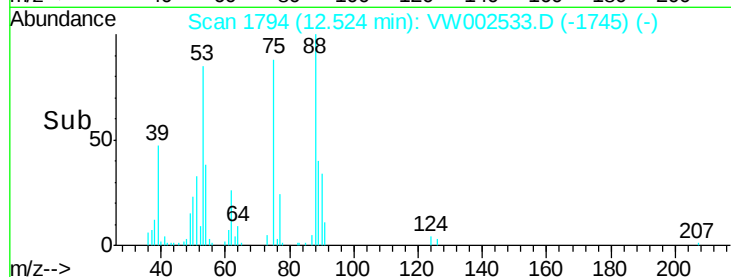
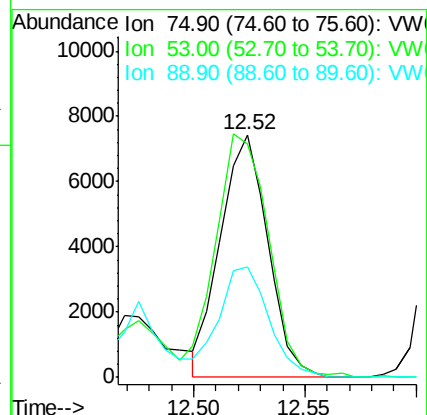
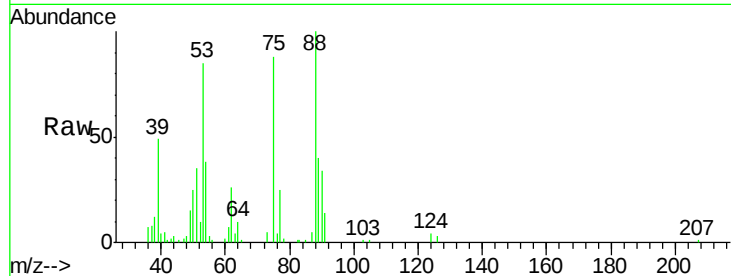
Tgt Ion: 75 Resp: 11008

Ion Ratio Lower Upper

75 100

53 112.7 82.6 124.0

89 47.8 39.2 58.8



#82

4-Chlorotoluene

Concen: 19.92 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VW002533.D

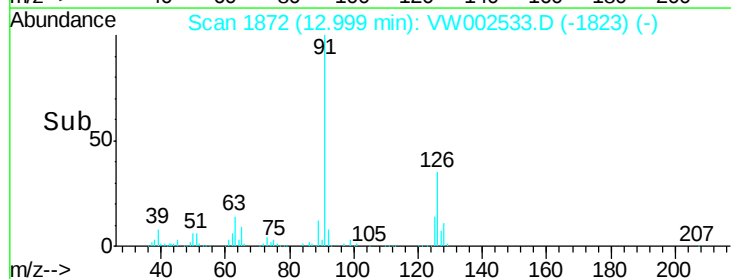
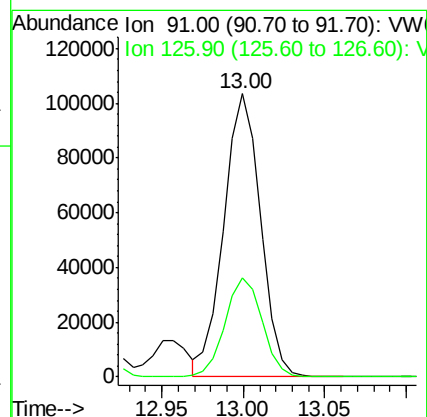
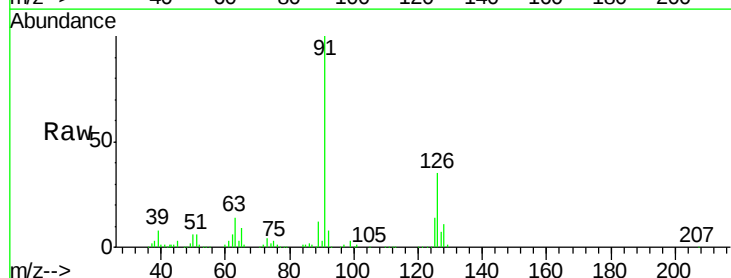
Acq: 15 May 2018 01:26

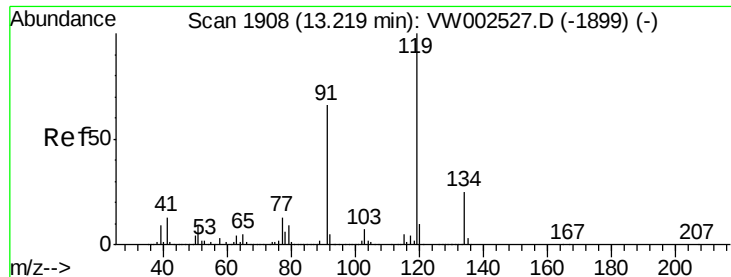
Tgt Ion: 91 Resp: 162169

Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.5

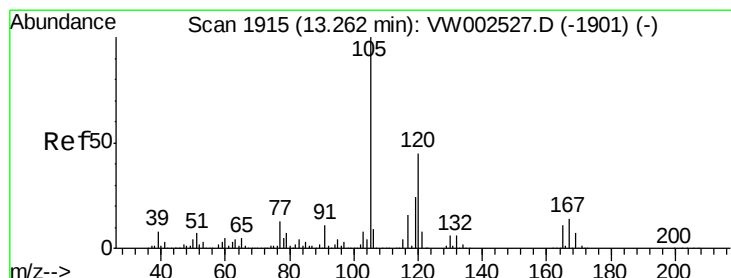
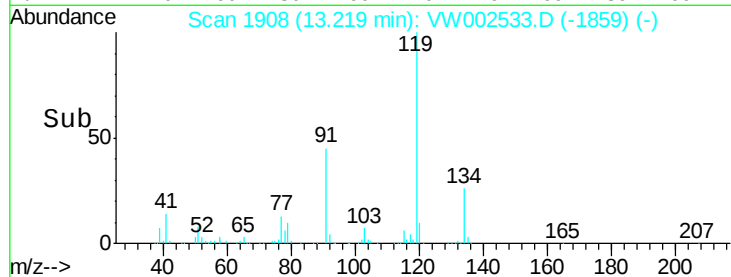
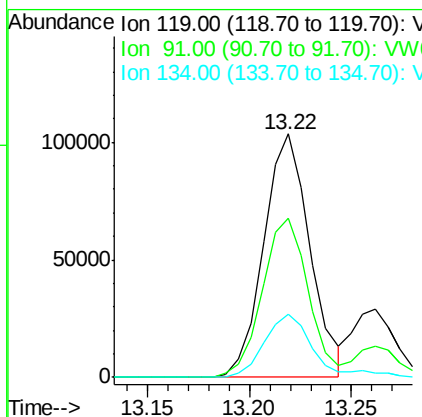
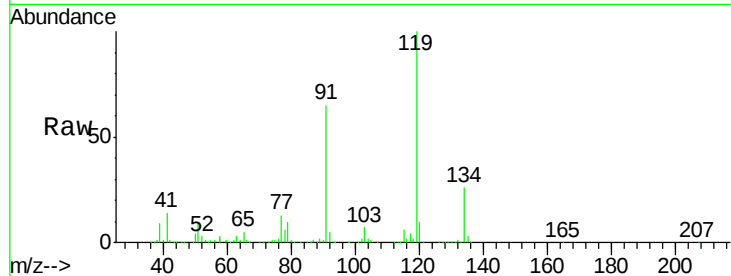




#83
 tert-Butylbenzene
 Concen: 20.21 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

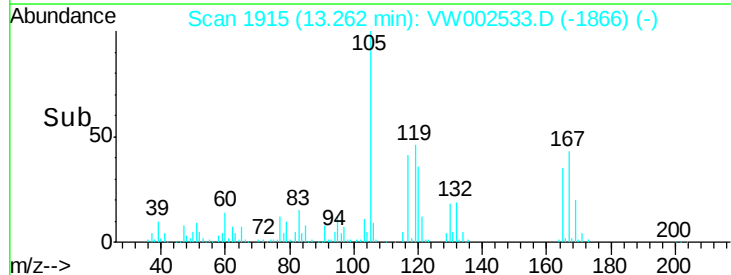
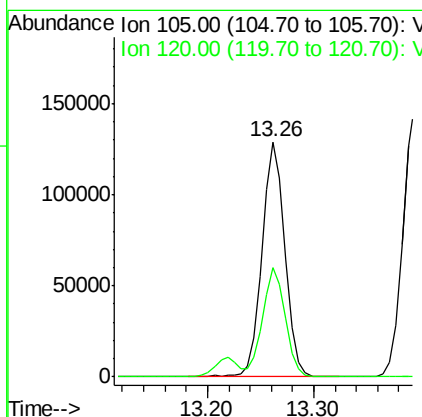
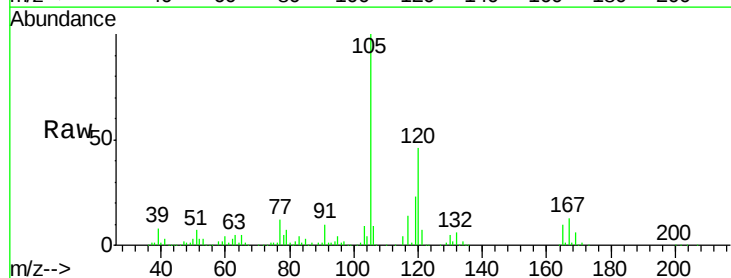
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

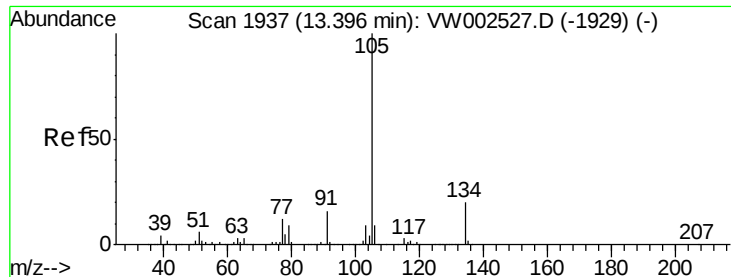
Tgt Ion:119 Resp: 163446
 Ion Ratio Lower Upper
 119 100
 91 64.8 32.5 97.5
 134 27.6 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.98 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion:105 Resp: 194260
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.3 66.9

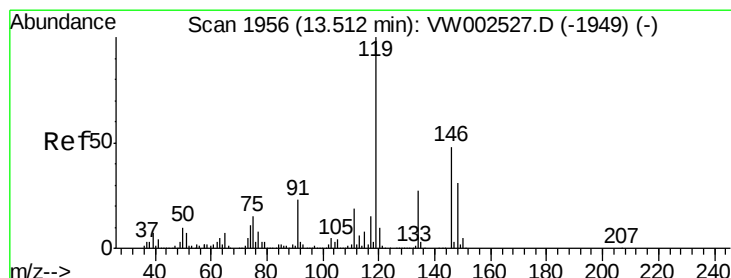
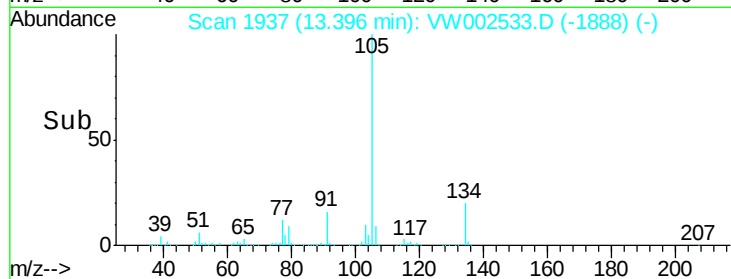
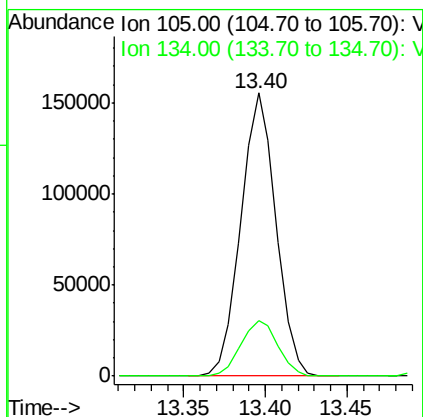
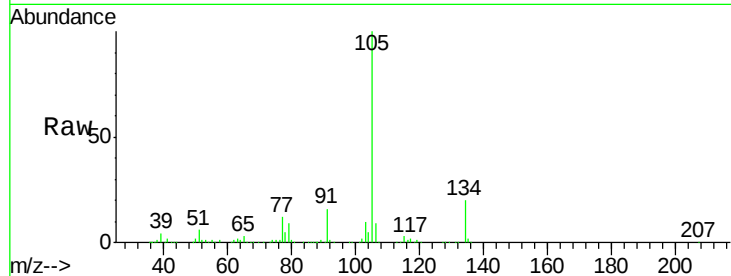




#85
 sec-Butylbenzene
 Concen: 20.08 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

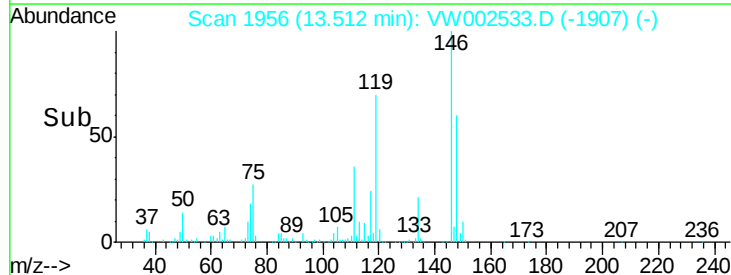
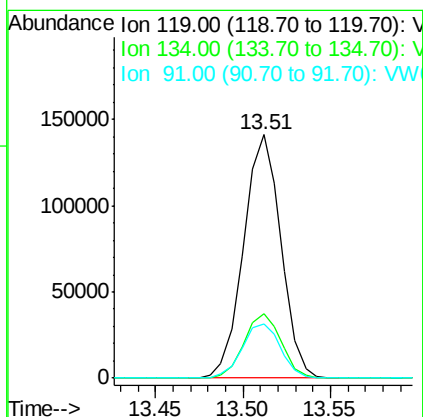
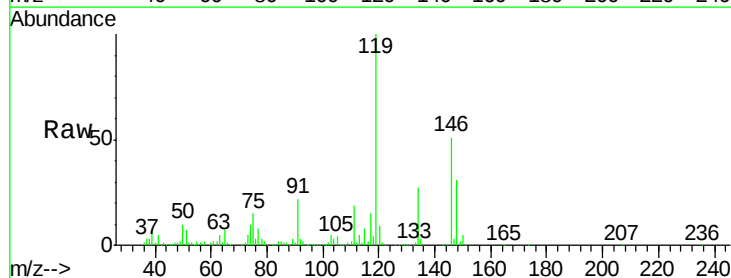
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

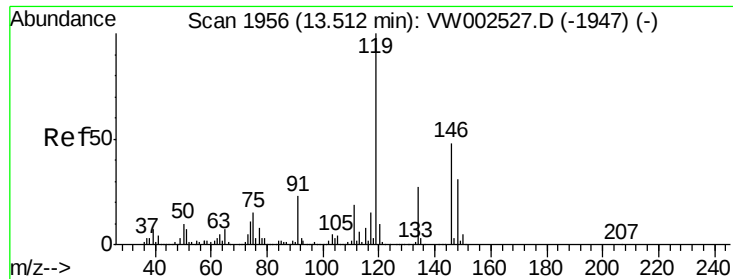
Tgt Ion:105 Resp: 233341
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 20.12 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion:119 Resp: 210348
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.4 40.1
 91 23.0 11.6 34.8

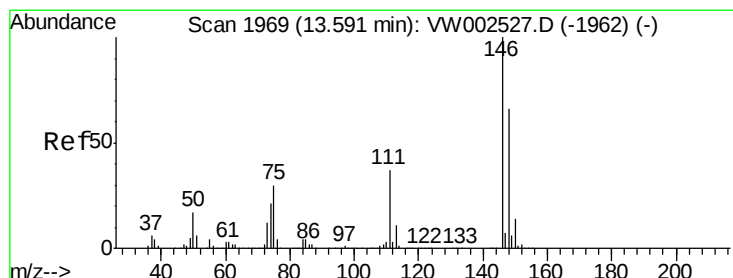
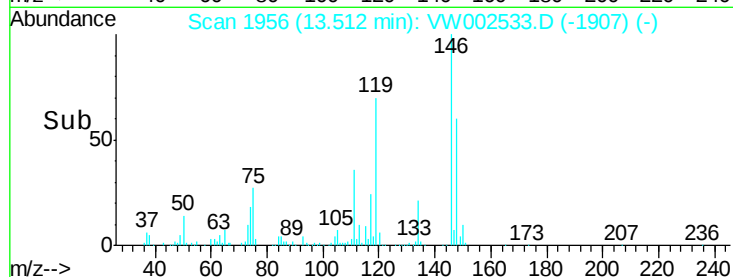
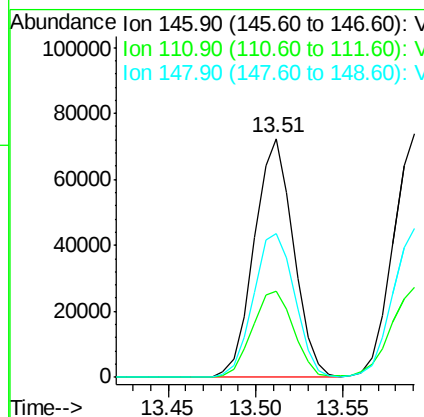
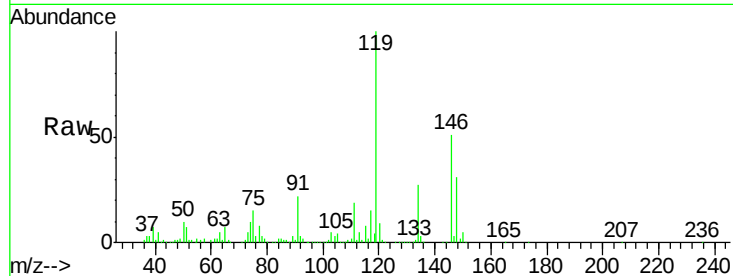




#87
 1,3-Dichlorobenzene
 Concen: 19.88 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

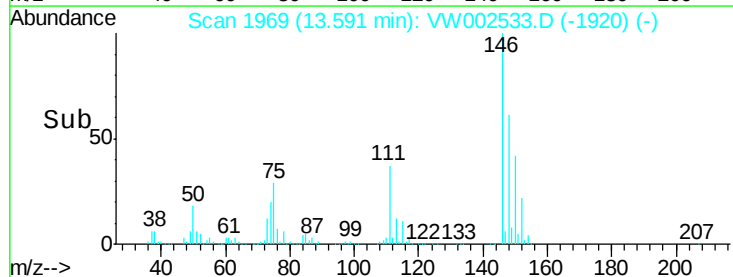
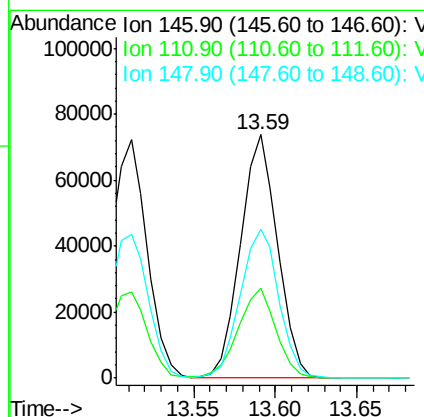
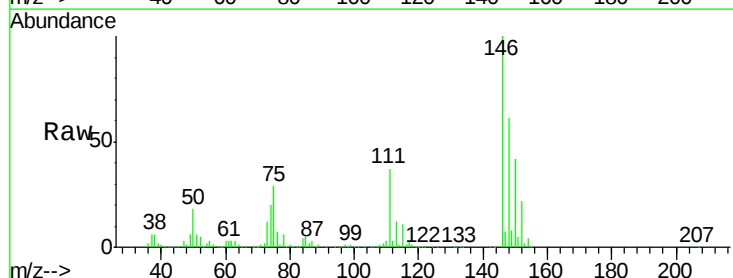
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

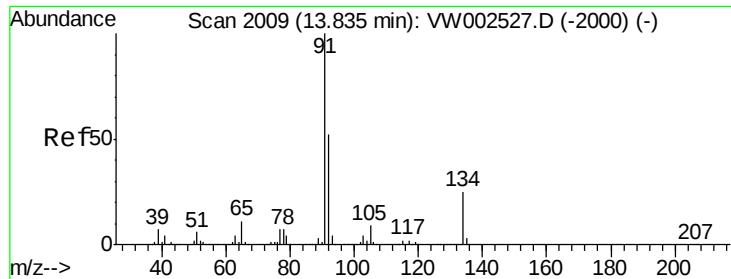
Tgt Ion:146 Resp: 112584
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.6 58.7
 148 63.7 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.64 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion:146 Resp: 116313
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.5
 148 63.7 32.4 97.0





#89

n-Butylbenzene

Concen: 20.06 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW002533.D

Acq: 15 May 2018 01:26

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

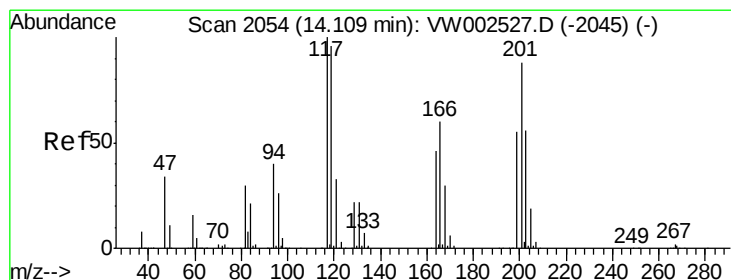
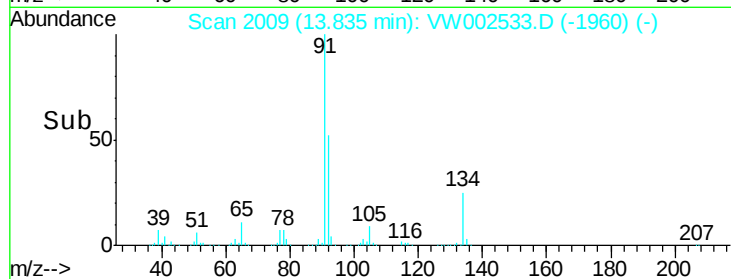
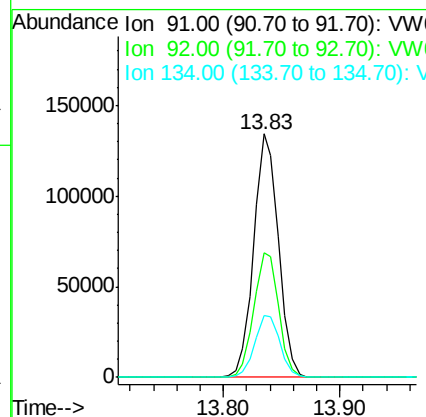
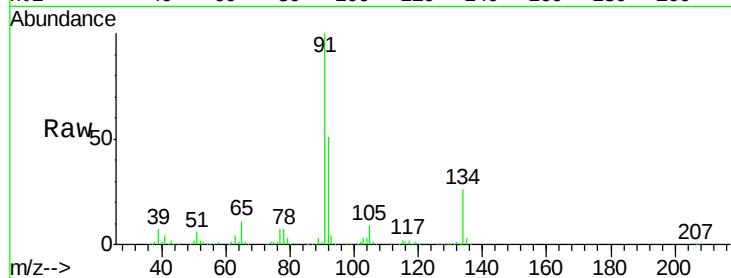
Tgt Ion: 91 Resp: 198386

Ion Ratio Lower Upper

91 100

92 51.6 26.1 78.2

134 25.9 13.1 39.1



#90

Hexachloroethane

Concen: 20.08 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.01 min

Lab File: VW002533.D

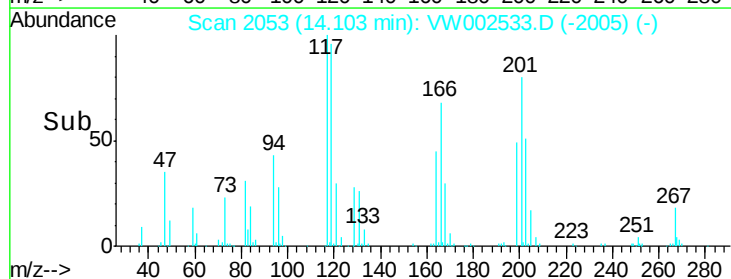
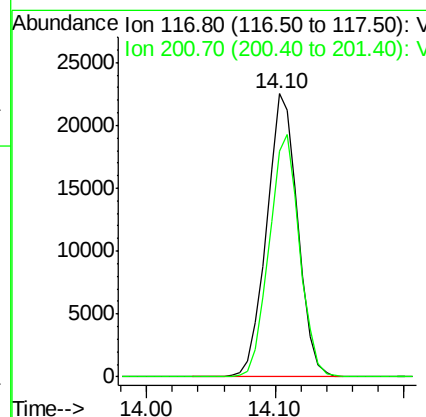
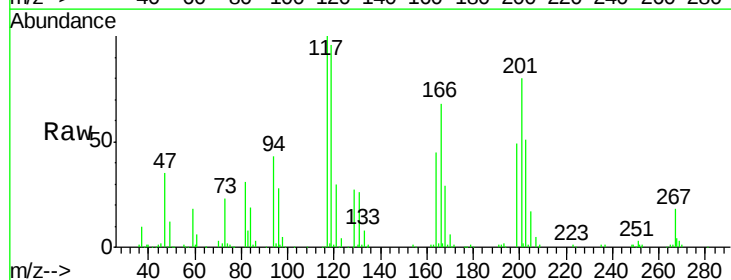
Acq: 15 May 2018 01:26

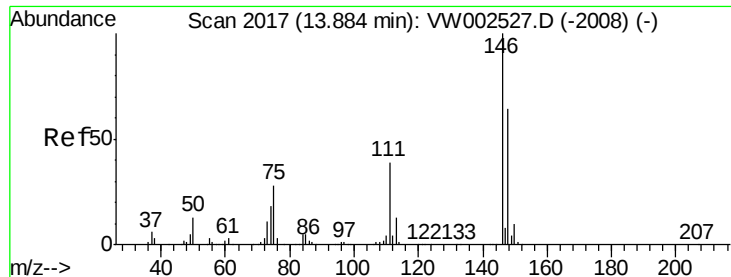
Tgt Ion: 117 Resp: 37592

Ion Ratio Lower Upper

117 100

201 84.0 42.0 126.0

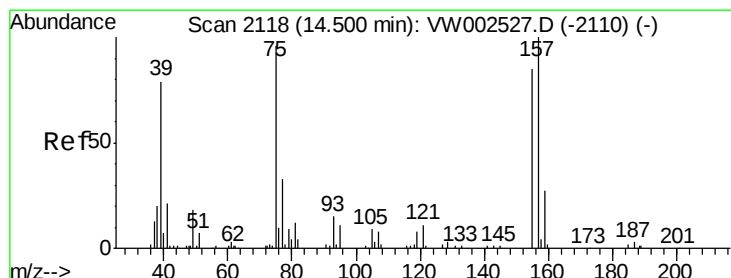
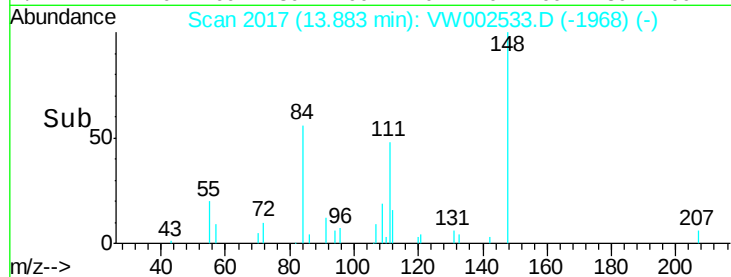
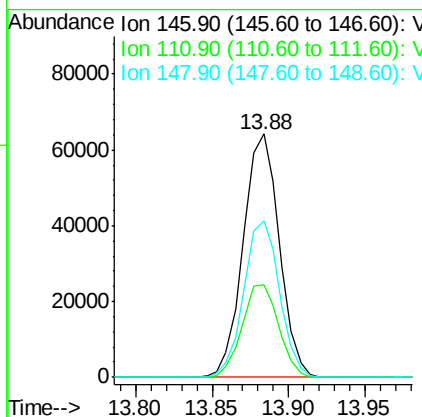
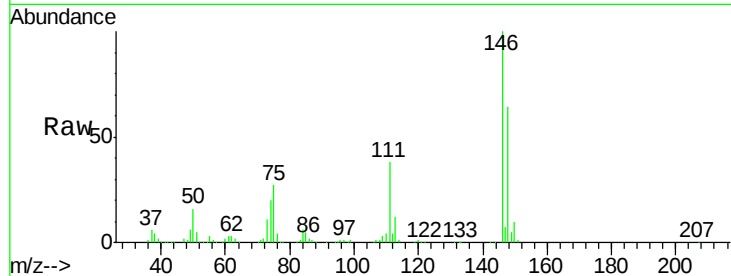




#91
 1,2-Dichlorobenzene
 Concen: 20.48 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

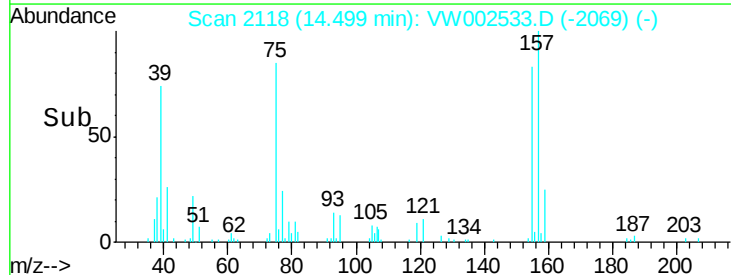
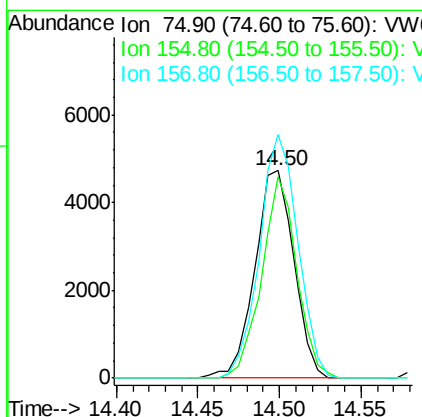
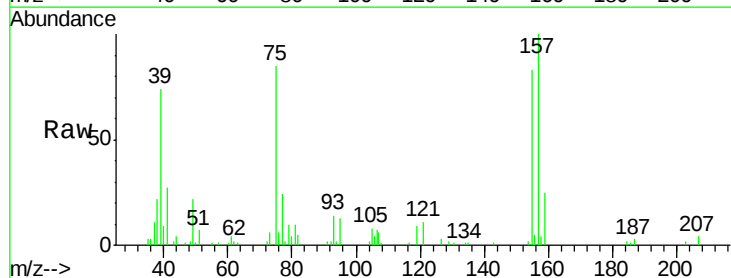
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

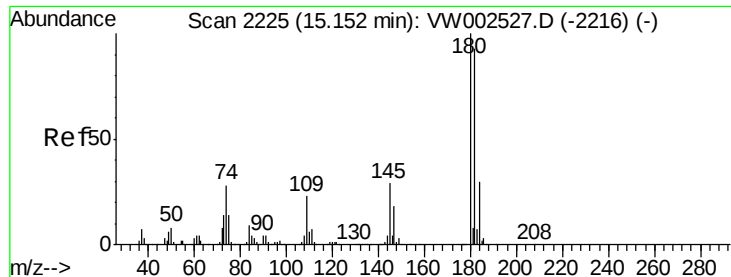
Tgt Ion: 146 Resp: 105224
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.9 59.6
 148 64.1 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.17 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion: 75 Resp: 7915
 Ion Ratio Lower Upper
 75 100
 155 86.5 42.8 128.4
 157 114.7 57.4 172.0

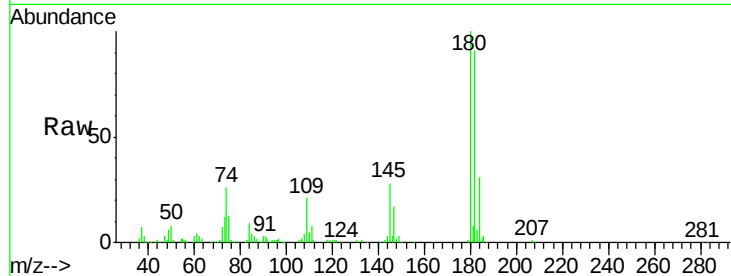




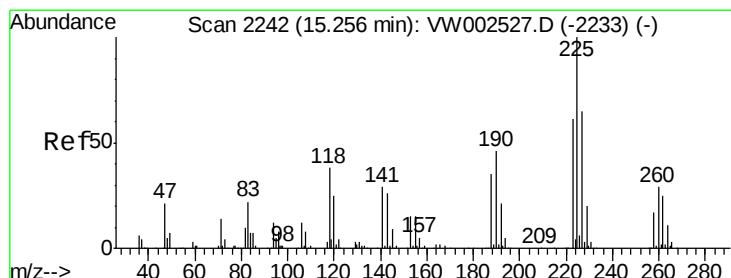
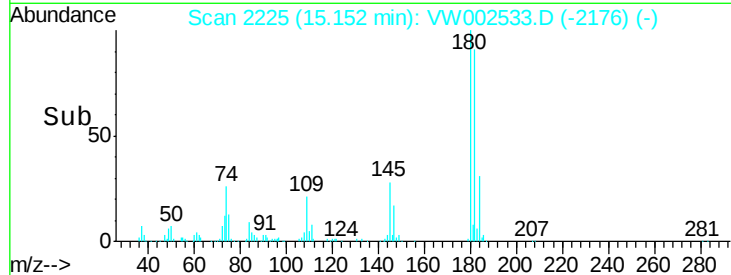
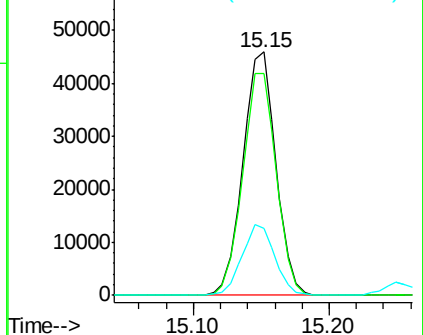
#93
 1,2,4-Trichlorobenzene
 Concen: 20.79 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS01

Tgt Ion:180 Resp: 77774
 Ion Ratio Lower Upper
 180 100
 182 93.2 47.2 141.6
 145 28.9 14.9 44.9

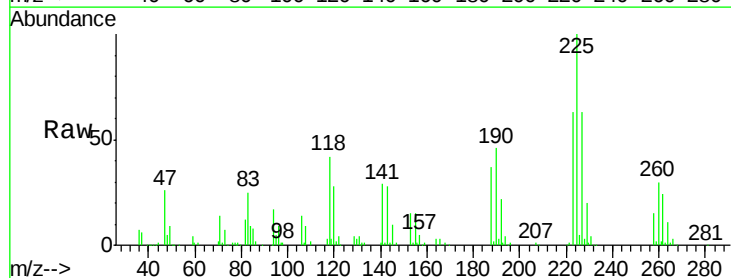


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

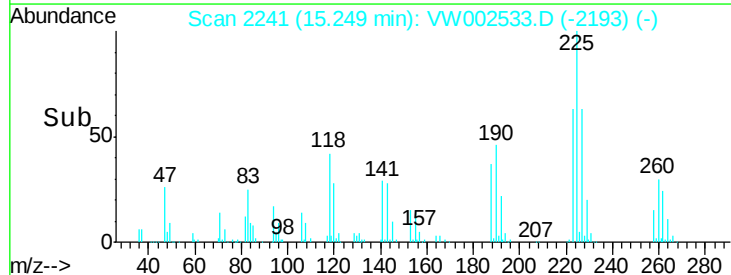
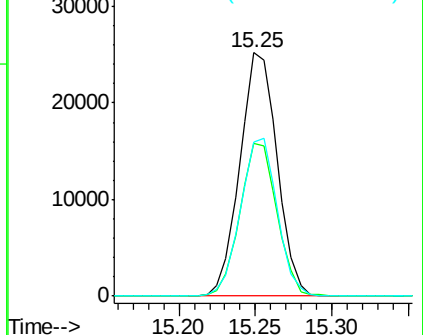


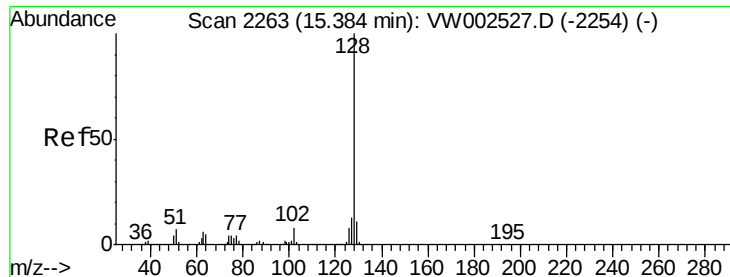
#94
 Hexachlorobutadiene
 Concen: 20.53 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: VW002533.D
 Acq: 15 May 2018 01:26

Tgt Ion:225 Resp: 42751
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.3 93.9
 227 63.7 31.9 95.5



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

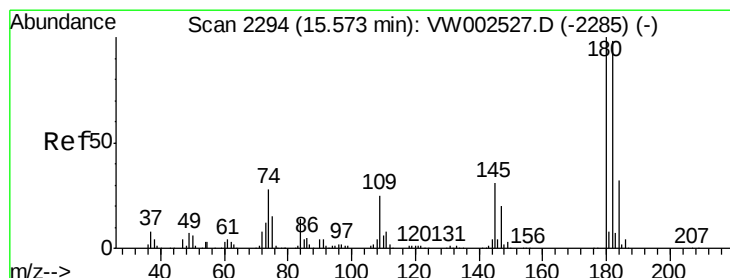
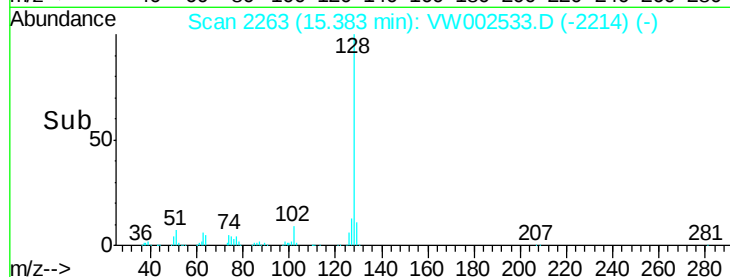
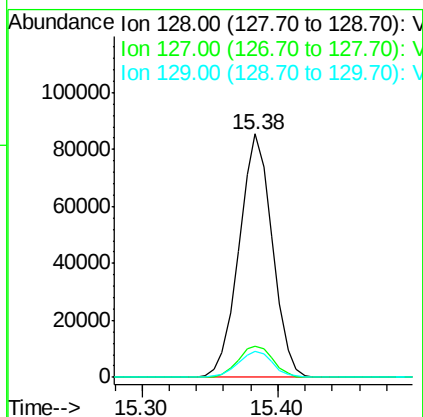
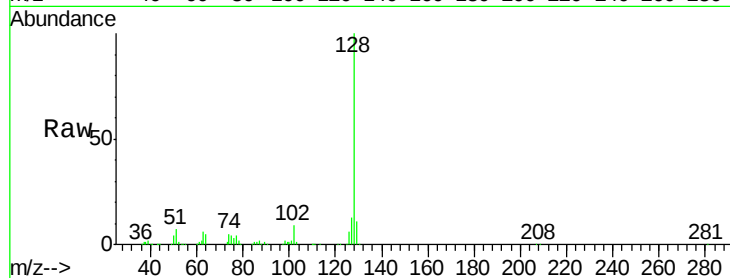




#95
Naphthalene
Concen: 21.43 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

Tgt Ion:128 Resp: 145790
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.95 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VW002533.D
Acq: 15 May 2018 01:26

Tgt Ion:180 Resp: 70135
Ion Ratio Lower Upper
180 100
182 95.5 47.3 141.8
145 31.0 15.5 46.5

