

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002534.D
 Acq On : 15 May 2018 01:51
 Operator : JC/SY
 Sample : VW0514SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBSD01

Quant Time: May 15 07:31:28 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	247577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	379785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	352452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	188516	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134695	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.88	113	123547	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.33	98	472687	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.63	95	167554	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	16895	17.68	ug/l	98
3) Chloromethane	2.21	50	36994	20.24	ug/l	96
4) Vinyl Chloride	2.35	62	55006	19.19	ug/l	94
5) Bromomethane	2.76	94	47840	20.36	ug/l	89
6) Chloroethane	2.92	64	40421	20.50	ug/l	92
7) Trichlorofluoromethane	3.24	101	26581	21.05	ug/l	100
8) Diethyl Ether	3.67	74	26152	17.31	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.04	101	42718	20.42	ug/l	99
10) Methyl Iodide	4.26	142	67443	20.23	ug/l	100
11) Tert butyl alcohol	5.18	59	23166	117.80	ug/l	98
12) 1,1-Dichloroethene	4.03	96	41467	20.02	ug/l	95
13) Acrolein	3.88	56	19065	98.40	ug/l	96
14) Allyl chloride	4.65	41	63025	20.51	ug/l	98
15) Acrylonitrile	5.36	53	56797	104.23	ug/l	99
16) Acetone	4.12	43	56611	104.81	ug/l	97
17) Carbon Disulfide	4.37	76	116563	20.46	ug/l	97
18) Methyl Acetate	4.67	43	29490	18.73	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	78555	20.65	ug/l	98
20) Methylene Chloride	4.90	84	46460	19.97	ug/l	93
21) trans-1,2-Dichloroethene	5.40	96	46435	20.74	ug/l	93
22) Diisopropyl ether	6.31	45	138364	20.33	ug/l	97
23) Vinyl Acetate	6.25	43	422058	102.31	ug/l	97
24) 1,1-Dichloroethane	6.20	63	83285	20.30	ug/l	99
25) 2-Butanone	7.17	43	76813	100.57	ug/l	96
26) 2,2-Dichloropropane	7.17	77	44103	19.19	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	51592	20.20	ug/l	99
28) Bromochloromethane	7.51	49	36976	20.19	ug/l	99
29) Tetrahydrofuran	7.53	42	50699	106.26	ug/l	98
30) Chloroform	7.67	83	88511	20.21	ug/l	97
31) Cyclohexane	7.95	56	72451	19.94	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	66448	20.11	ug/l	99
36) 1,1-Dichloropropene	8.08	75	65588	19.57	ug/l	99
37) Ethyl Acetate	7.26	43	35061	21.09	ug/l	100
38) Carbon Tetrachloride	8.07	117	63241	19.27	ug/l	100

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 ALS Vial : 31 Sample Multiplier: 1

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 ClientSampleID :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76530	19.94	ug/l	96
40) Benzene	8.32	78	190509	19.80	ug/l	99
41) Methacrylonitrile	7.49	41	18546	19.94	ug/l	99
42) 1,2-Dichloroethane	8.40	62	61542	20.14	ug/l	100
43) Isopropyl Acetate	8.43	43	63421	19.84	ug/l	99
44) Trichloroethene	9.09	130	52540	19.92	ug/l	97
45) 1,2-Dichloropropane	9.37	63	47875	19.53	ug/l	99
46) Dibromomethane	9.46	93	27840	19.95	ug/l	97
47) Bromodichloromethane	9.65	83	64872	19.94	ug/l	99
48) Methyl methacrylate	9.44	41	29681	19.16	ug/l	95
49) 1,4-Dioxane	9.45	88	9328	401.15	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	174736	99.55	ug/l	100
52) Toluene	10.39	92	122579	20.15	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	62615	19.03	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	71997	19.63	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	37957	19.31	ug/l	98
56) Ethyl methacrylate	10.65	69	47849	19.97	ug/l	99
57) 1,3-Dichloropropane	10.94	76	65861	20.20	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	122283	103.98	ug/l	100
59) 2-Hexanone	10.98	43	120953	99.81	ug/l	100
60) Dibromochloromethane	11.13	129	45333	19.54	ug/l	98
61) 1,2-Dibromoethane	11.24	107	37915	19.98	ug/l	99
64) Tetrachloroethene	10.87	164	53628	21.59	ug/l	93
65) Chlorobenzene	11.66	112	139413	19.86	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	48983	19.49	ug/l	99
67) Ethyl Benzene	11.74	91	234962	19.69	ug/l	99
68) m/p-Xylenes	11.85	106	181849	39.20	ug/l	99
69) o-Xylene	12.18	106	87172	19.78	ug/l	99
70) Styrene	12.19	104	142479	19.42	ug/l	99
71) Bromoform	12.36	173	28412	19.24	ug/l	# 100
73) Isopropylbenzene	12.48	105	236968	20.39	ug/l	100
74) N-amyl acetate	12.28	43	61197	20.67	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	47695	20.26	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	59056	33.14	ug/l	# 100
77) Bromobenzene	12.76	156	59679	20.13	ug/l	98
78) n-propylbenzene	12.82	91	286860	20.44	ug/l	99
79) 2-Chlorotoluene	12.90	91	161140	20.22	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	202067	20.38	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	12734	19.48	ug/l	96
82) 4-Chlorotoluene	13.00	91	172559	20.02	ug/l	99
83) tert-Butylbenzene	13.22	119	175754	20.52	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	208612	20.26	ug/l	99
85) sec-Butylbenzene	13.40	105	248125	20.16	ug/l	100
86) p-Isopropyltoluene	13.51	119	224344	20.27	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	119706	19.96	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	120268	20.16	ug/l	99
89) n-Butylbenzene	13.84	91	211517	20.20	ug/l	99
90) Hexachloroethane	14.10	117	40039	20.20	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	110099	20.24	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	8329	20.05	ug/l	95

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Quant Title : SW846 8260
QLast Update : Tue May 15 03:32:11 2018
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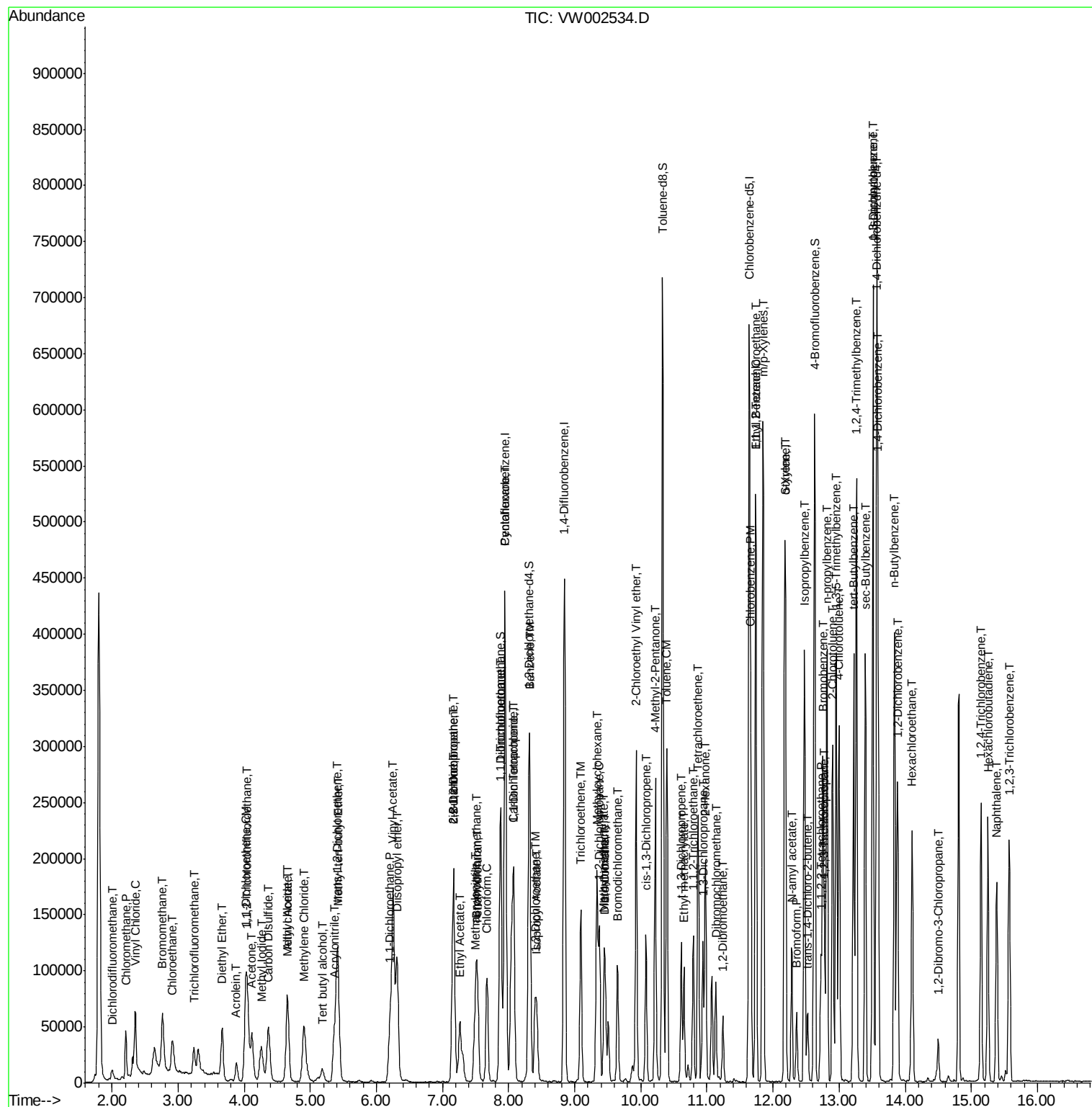
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	80579	20.34	ug/l	98
94) Hexachlorobutadiene	15.25	225	45952	20.85	ug/l	98
95) Naphthalene	15.38	128	153642	21.33	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	73226	20.66	ug/l	99

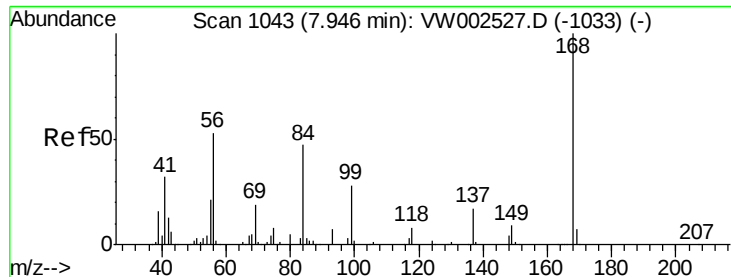
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00G/5ML/MSVOA_W/SOIL
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Instrument :
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VW0515SBSD01

Quant Time: May 15 07:31:28 2018
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Quant Title : SW846 8260
QLast Update : Tue May 15 03:32:11 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

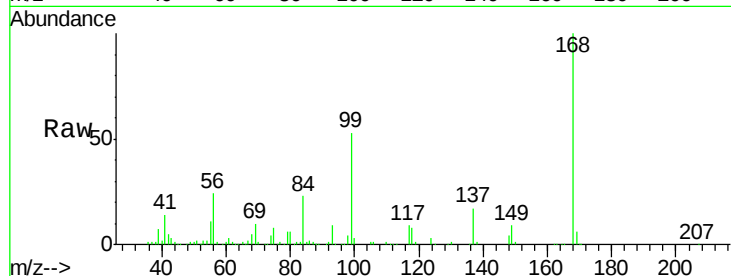
VW0515SBS01

Tgt Ion:168 Resp: 247577

Ion Ratio Lower Upper

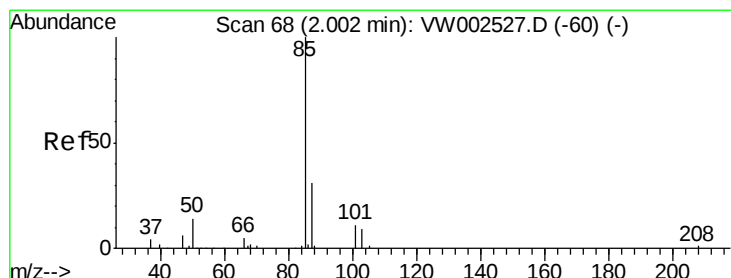
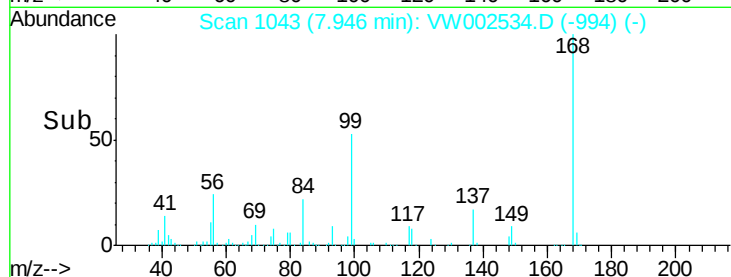
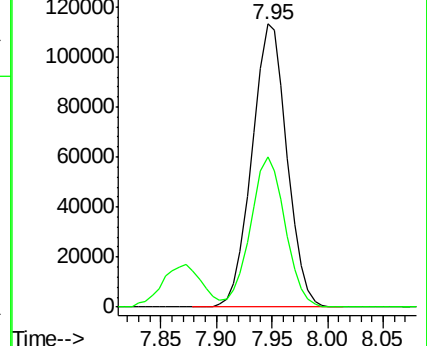
168 100

99 52.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 17.68 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW002534.D

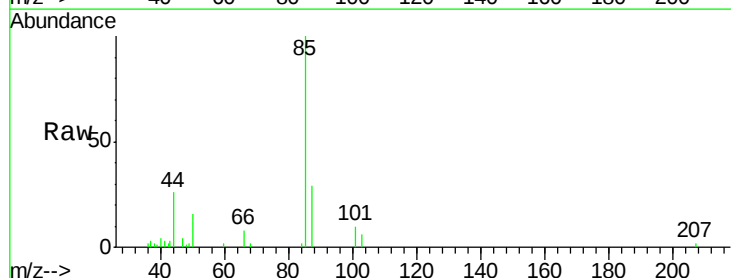
Acq: 15 May 2018 01:51

Tgt Ion: 85 Resp: 16895

Ion Ratio Lower Upper

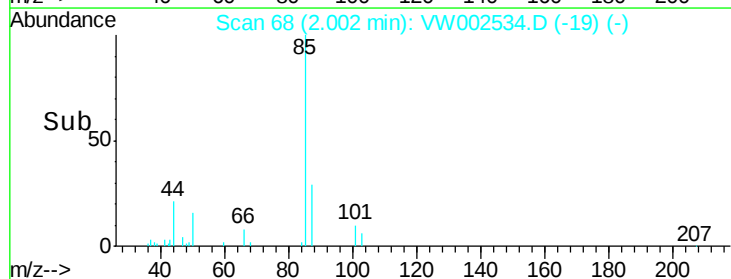
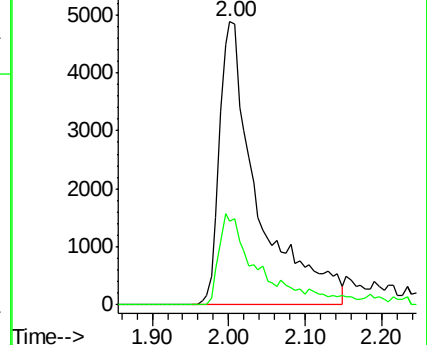
85 100

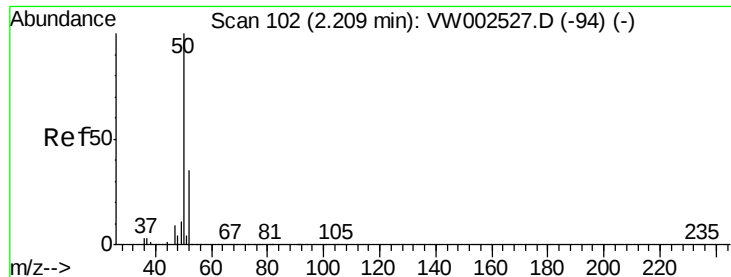
87 29.4 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.24 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

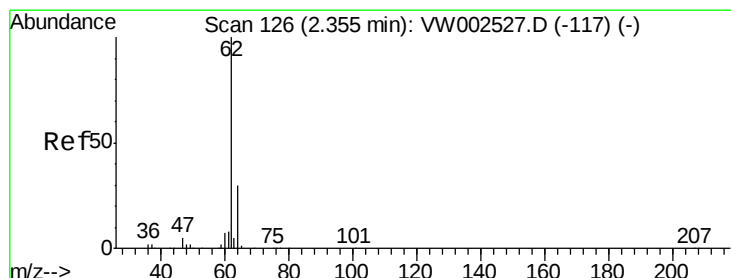
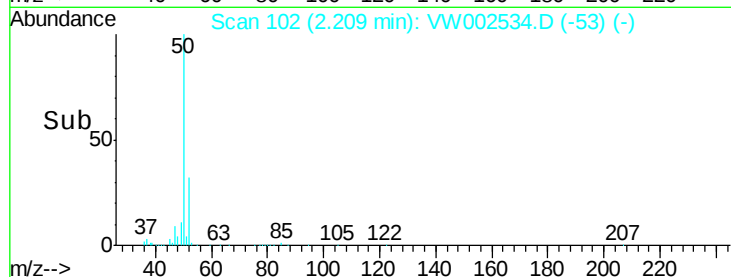
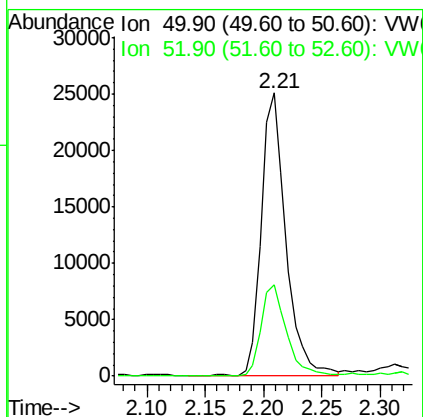
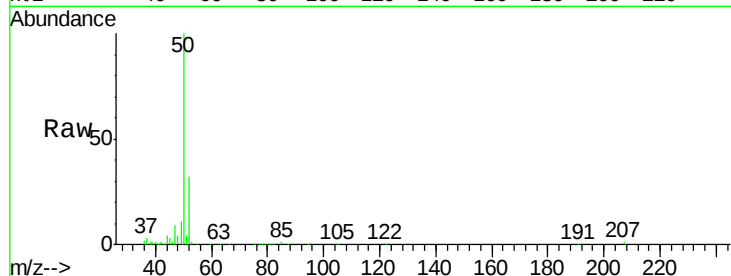
VW0515SBSD01

Tgt Ion: 50 Resp: 36994

Ion Ratio Lower Upper

50 100

52 32.4 27.8 41.8



#4

Vinyl Chloride

Concen: 19.19 ug/l

RT: 2.35 min Scan# 125

Delta R.T. -0.01 min

Lab File: VW002534.D

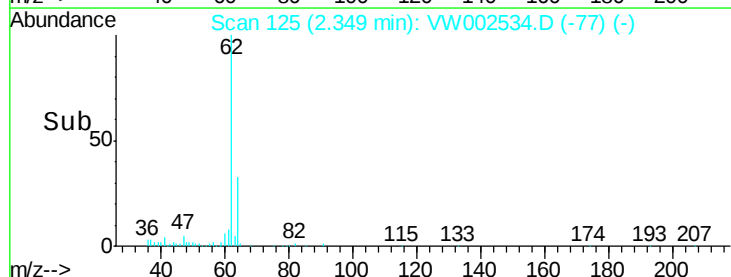
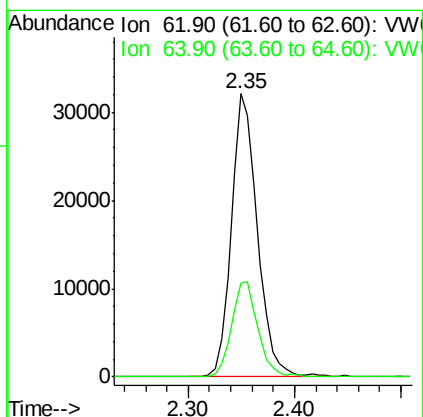
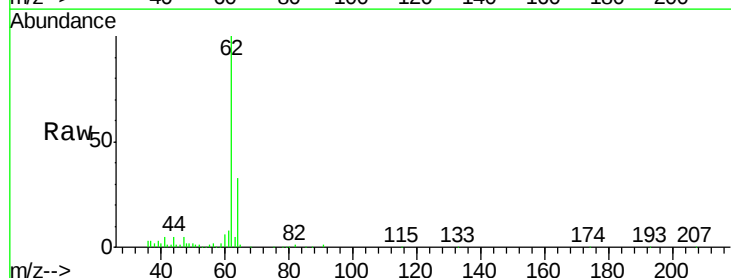
Acq: 15 May 2018 01:51

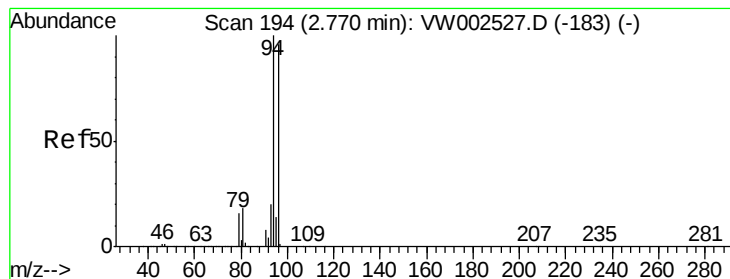
Tgt Ion: 62 Resp: 55006

Ion Ratio Lower Upper

62 100

64 33.4 24.0 36.0





#5

Bromomethane

Concen: 20.36 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

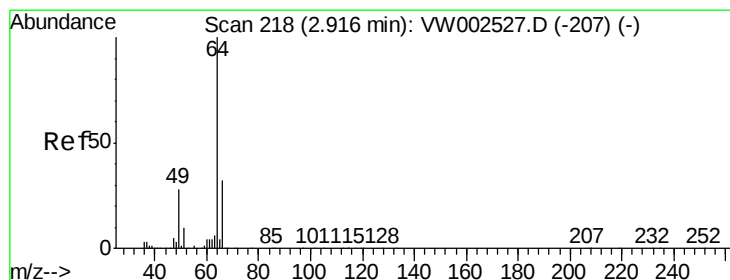
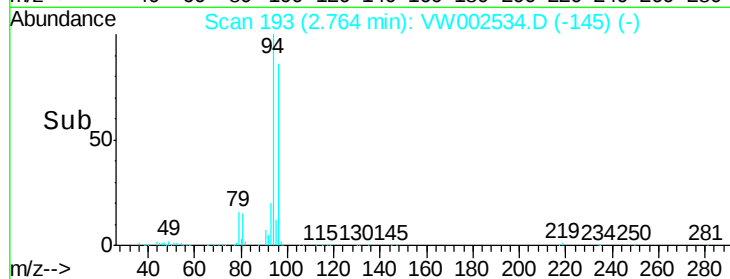
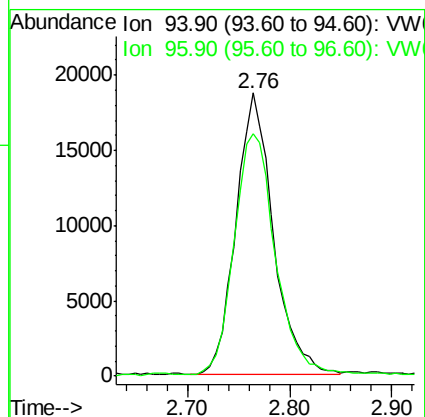
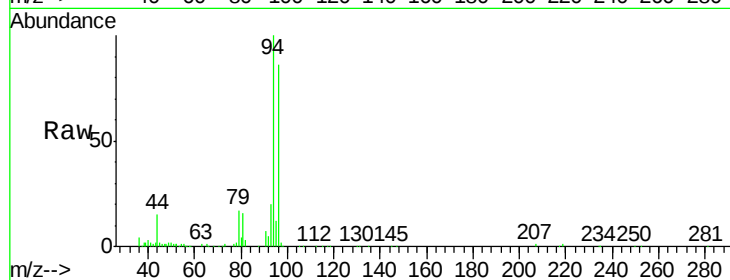
VW0515SBSD01

Tgt Ion: 94 Resp: 47840

Ion Ratio Lower Upper

94 100

96 85.5 77.0 115.4



#6

Chloroethane

Concen: 20.50 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.00 min

Lab File: VW002534.D

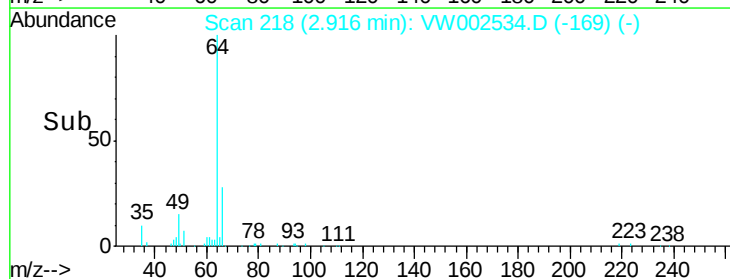
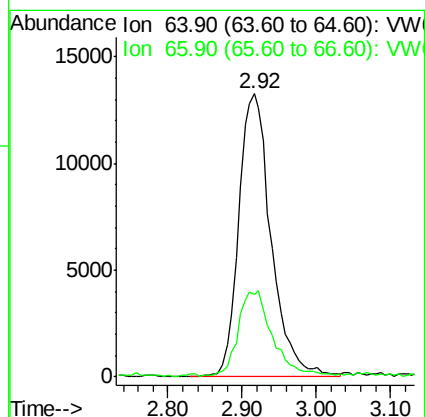
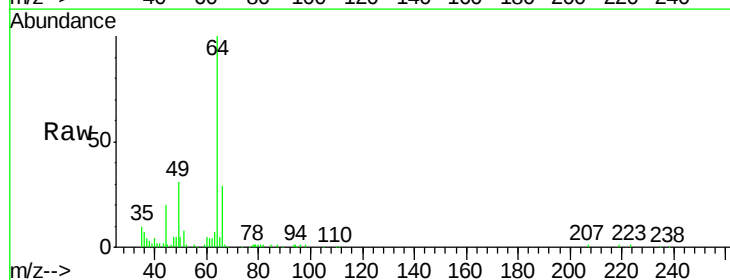
Acq: 15 May 2018 01:51

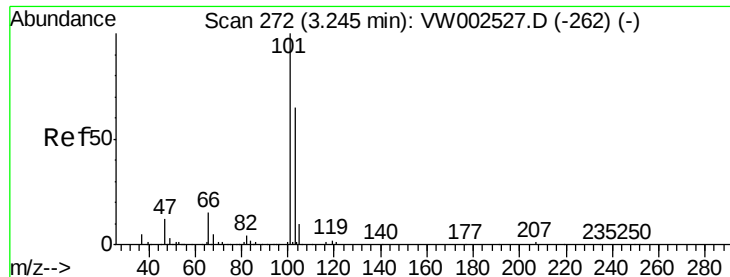
Tgt Ion: 64 Resp: 40421

Ion Ratio Lower Upper

64 100

66 27.9 25.8 38.8



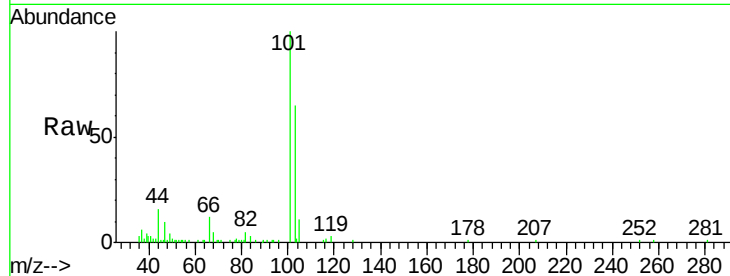


#7

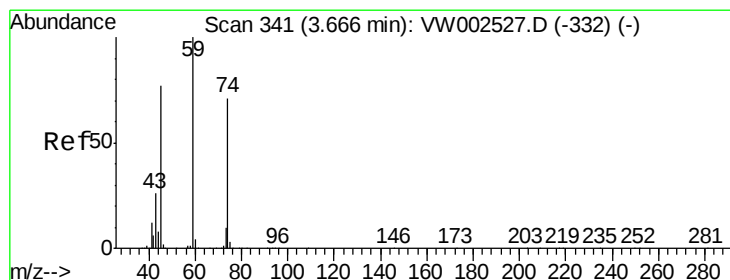
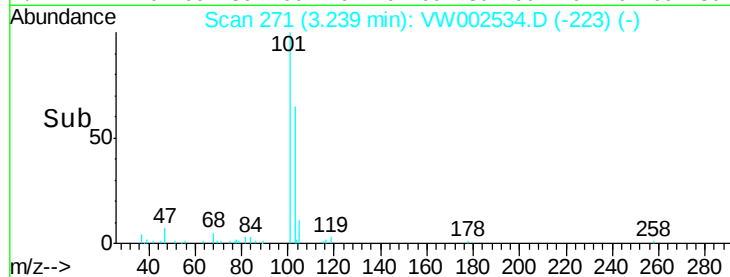
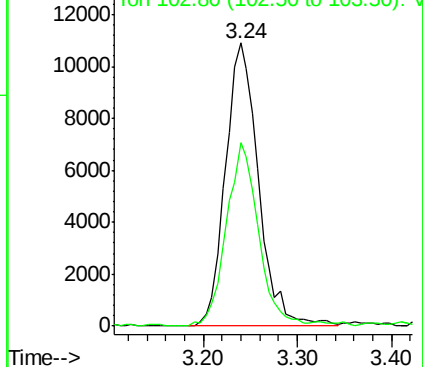
Trichlorofluoromethane
Concen: 21.05 ug/l
RT: 3.24 min Scan# 271
Delta R.T. -0.01 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBSD01

Tgt Ion: 101 Resp: 26581
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.8



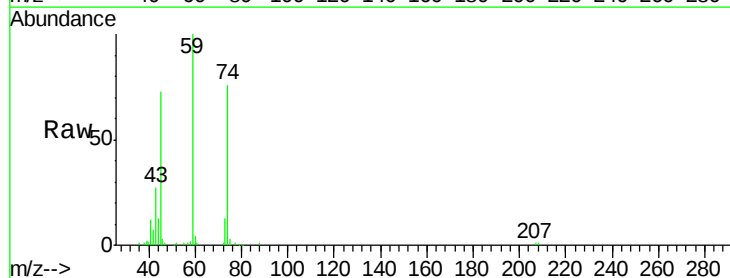
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



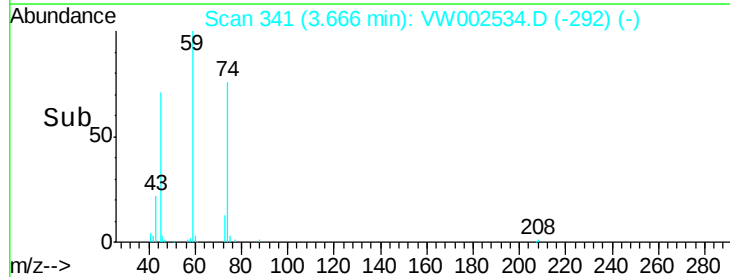
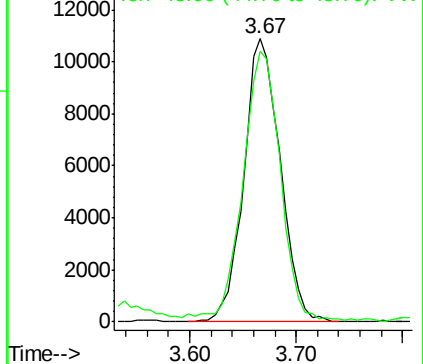
#8

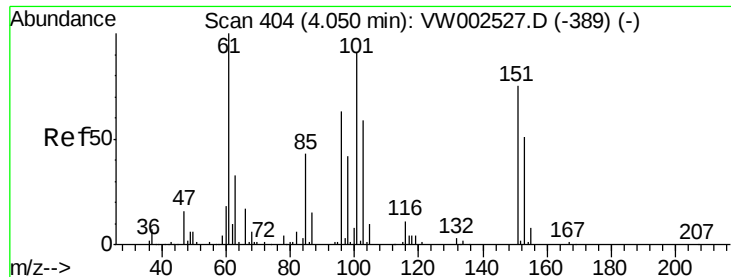
Diethyl Ether
Concen: 17.31 ug/l
RT: 3.67 min Scan# 341
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

Tgt Ion: 74 Resp: 26152
Ion Ratio Lower Upper
74 100
45 97.1 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: 20.42 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

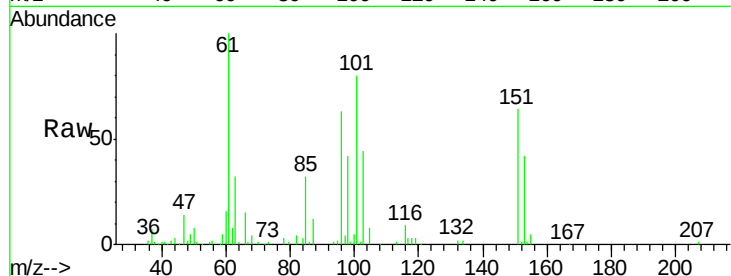
Tgt Ion:101 Resp: 42718

Ion Ratio Lower Upper

101 100

85 43.4 36.5 54.7

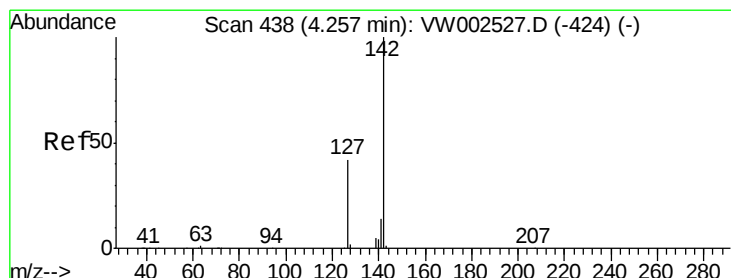
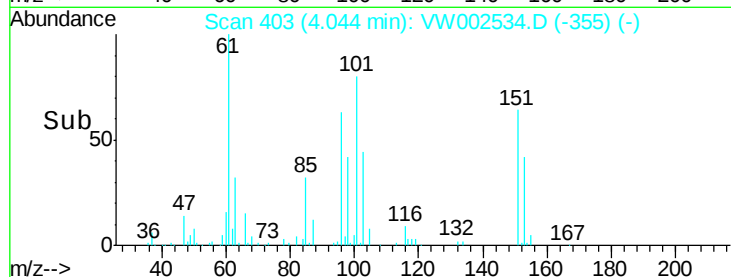
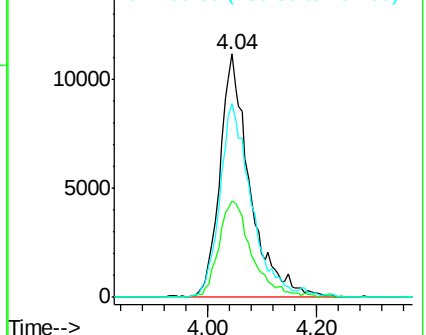
151 83.3 66.7 100.1



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: 20.23 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.01 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

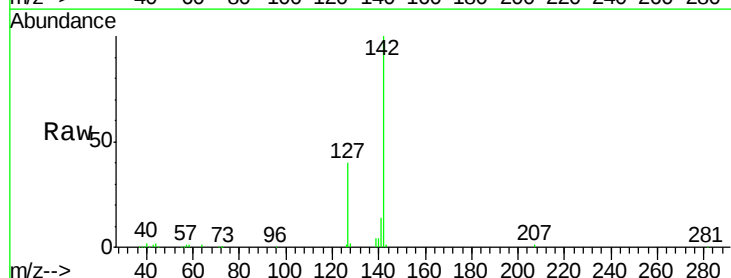
Tgt Ion:142 Resp: 67443

Ion Ratio Lower Upper

142 100

127 43.6 34.6 52.0

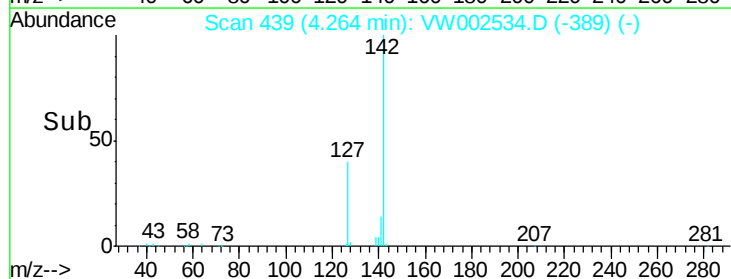
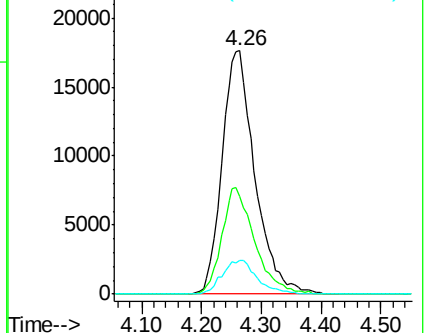
141 14.7 11.8 17.8

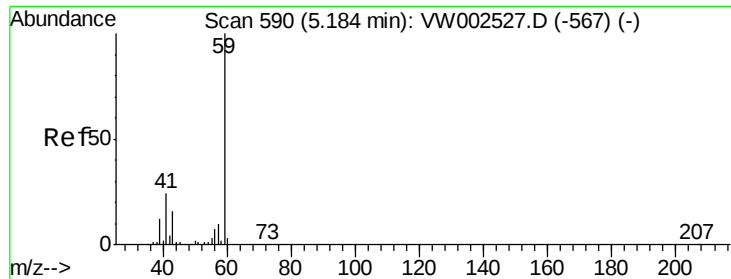


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

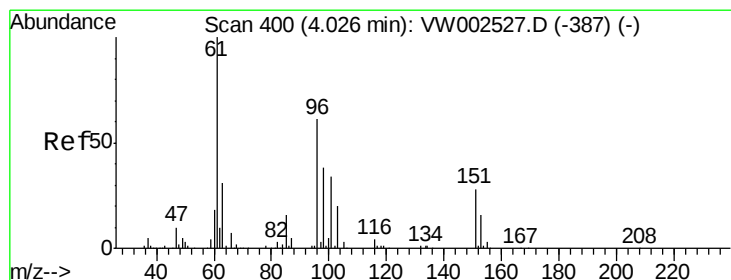
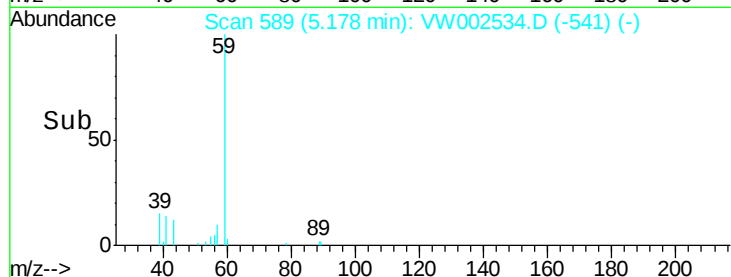
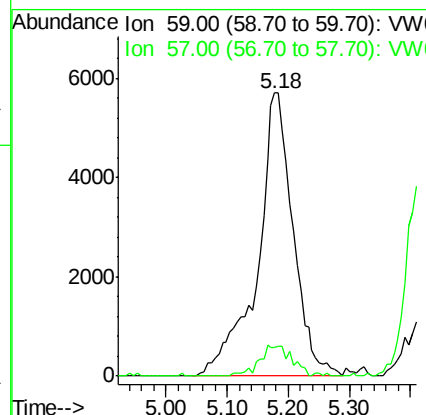
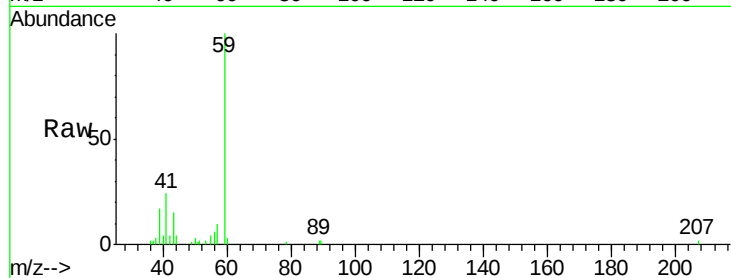




#11
Tert butyl alcohol
Concen: 117.80 ug/l
RT: 5.18 min Scan# 589
Delta R.T. -0.01 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

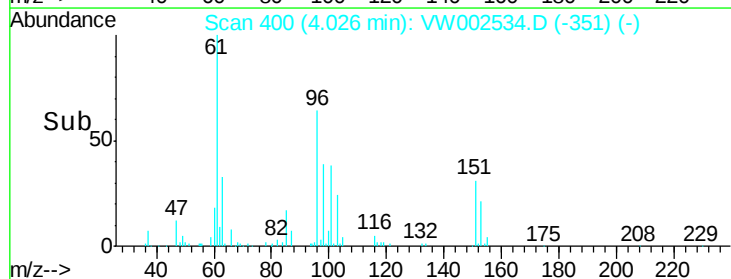
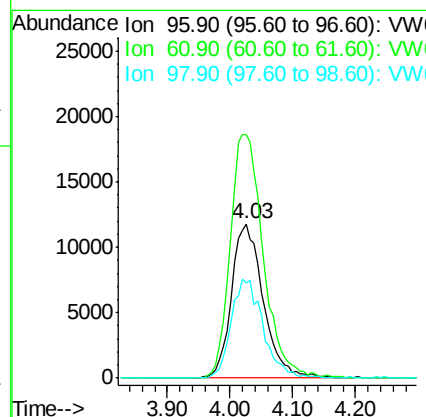
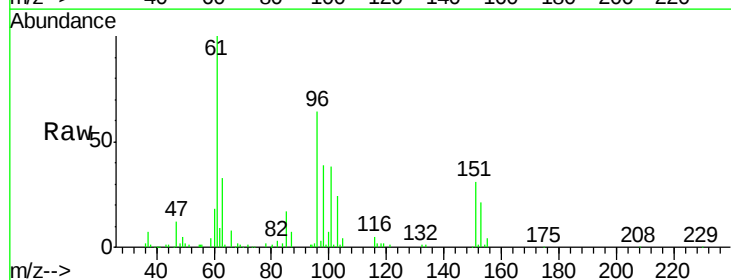
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBSD01

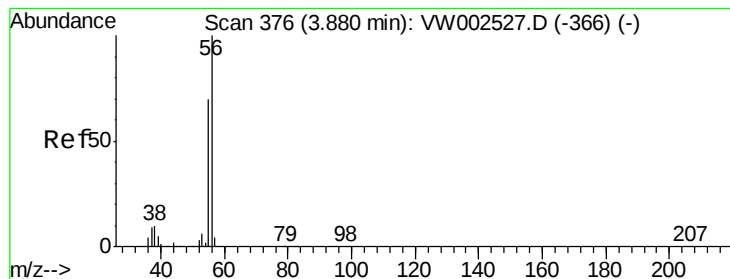
Tgt Ion: 59 Resp: 23166
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.4



#12
1,1-Dichloroethene
Concen: 20.02 ug/l
RT: 4.03 min Scan# 400
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

Tgt Ion: 96 Resp: 41467
Ion Ratio Lower Upper
96 100
61 157.4 132.2 198.2
98 61.1 50.6 76.0





#13

Acrolein

Concen: 98.40 ug/l

RT: 3.88 min Scan# 376

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

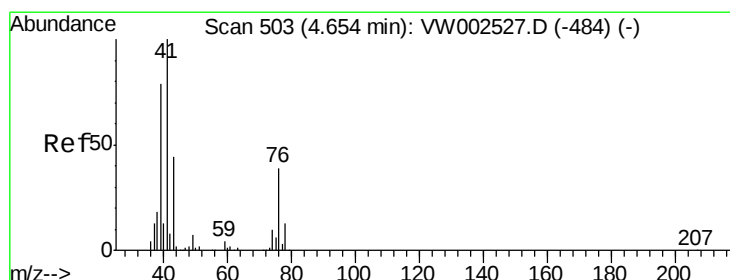
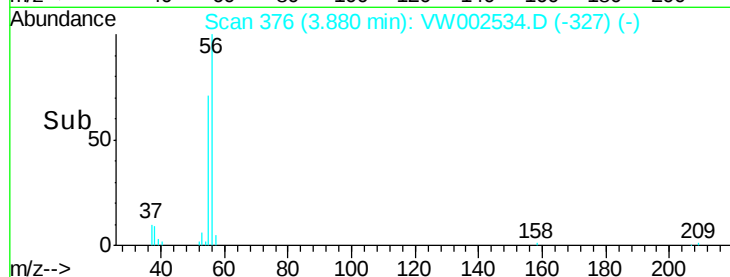
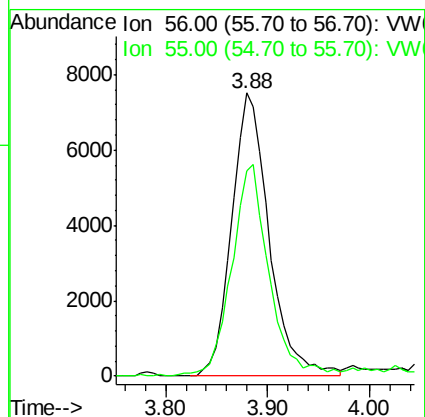
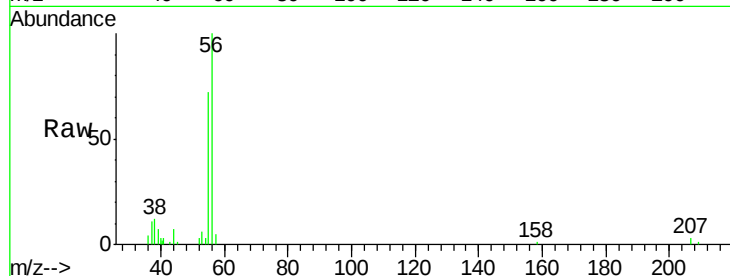
VW0515SBSD01

Tgt Ion: 56 Resp: 19065

Ion Ratio Lower Upper

56 100

55 74.7 57.0 85.4



#14

Allyl chloride

Concen: 20.51 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

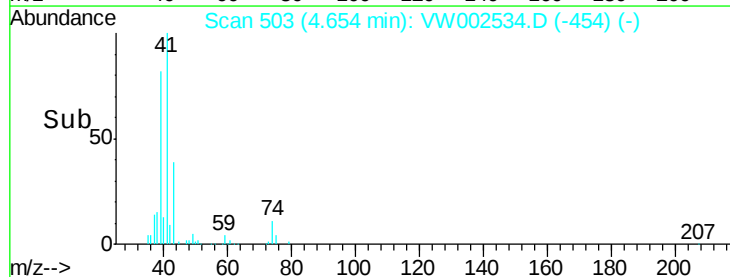
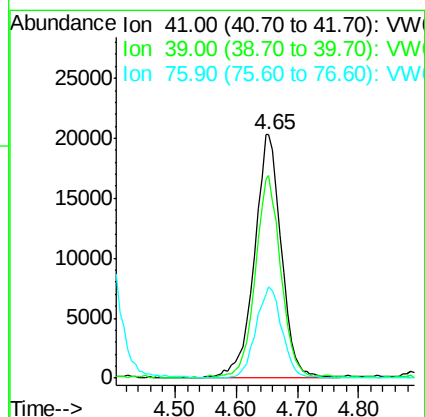
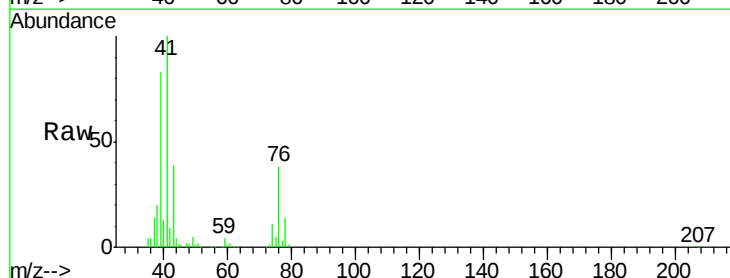
Tgt Ion: 41 Resp: 63025

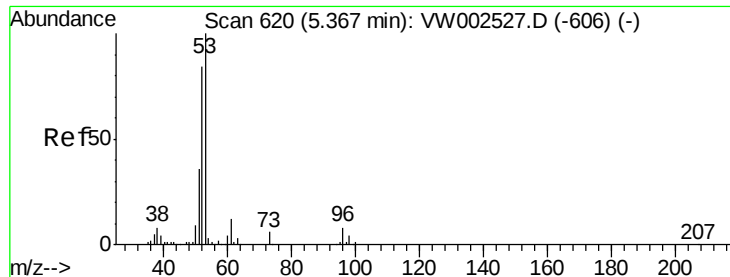
Ion Ratio Lower Upper

41 100

39 78.8 61.4 92.2

76 36.0 29.6 44.4





#15

Acrylonitrile

Concen: 104.23 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.01 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBSD01

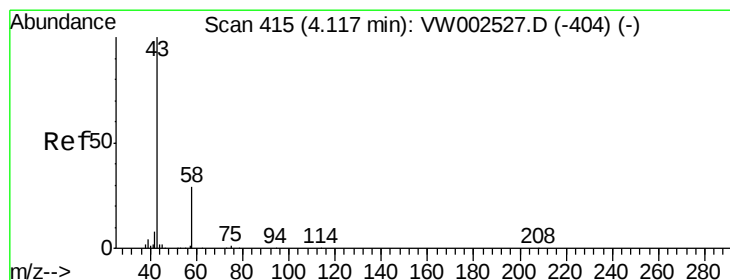
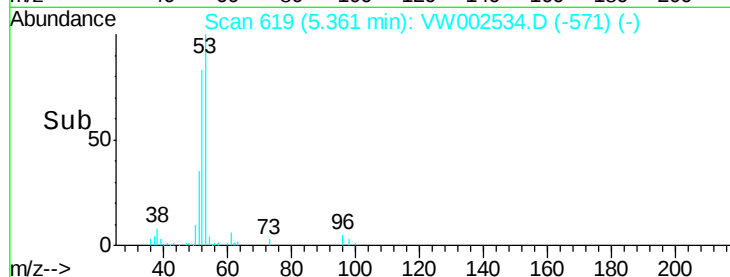
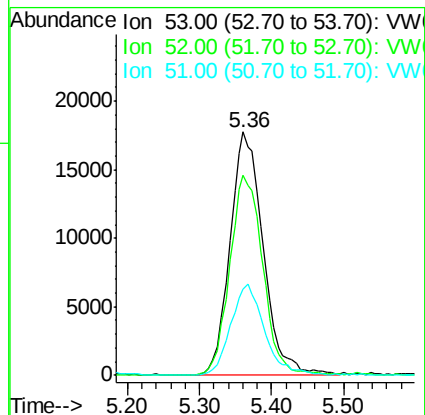
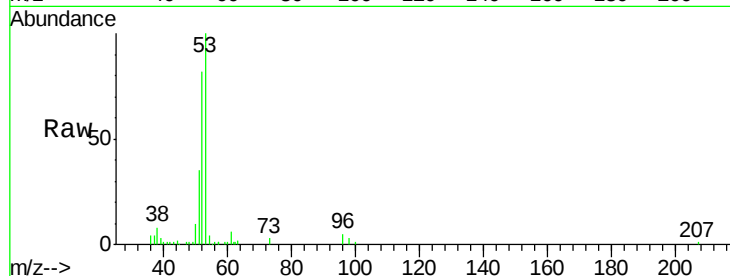
Tgt Ion: 53 Resp: 56797

Ion Ratio Lower Upper

53 100

52 82.2 66.6 100.0

51 38.1 30.6 46.0



#16

Acetone

Concen: 104.81 ug/l

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

Lab File: VW002534.D

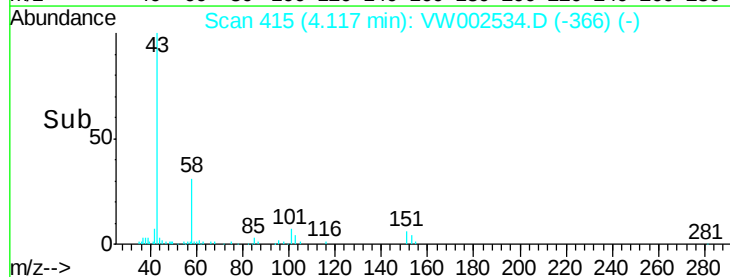
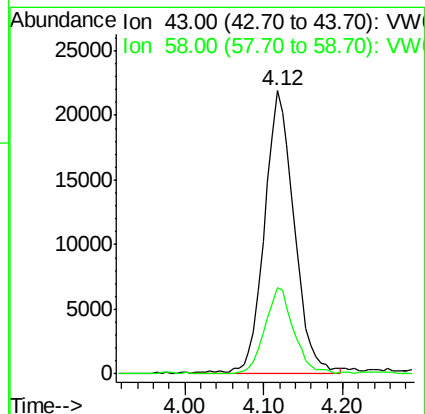
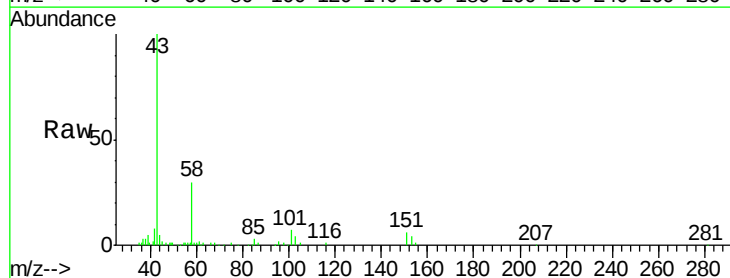
Acq: 15 May 2018 01:51

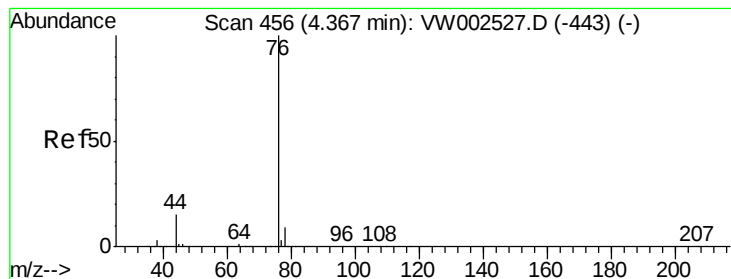
Tgt Ion: 43 Resp: 56611

Ion Ratio Lower Upper

43 100

58 30.6 23.4 35.0





#17

Carbon Disulfide

Concen: 20.46 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

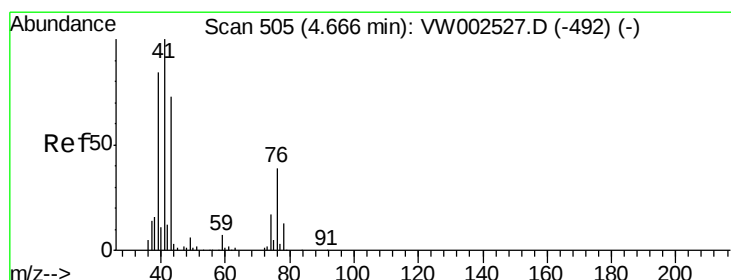
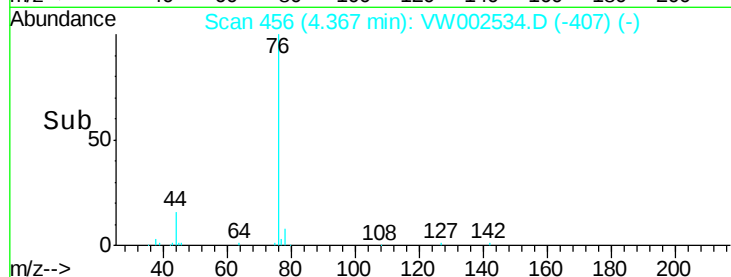
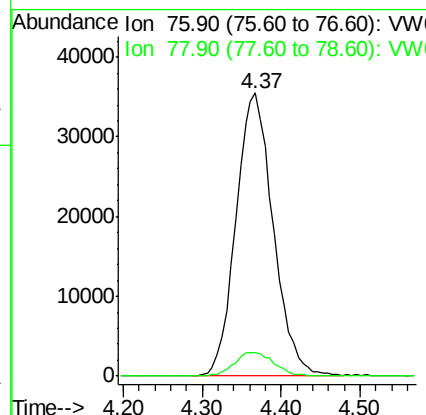
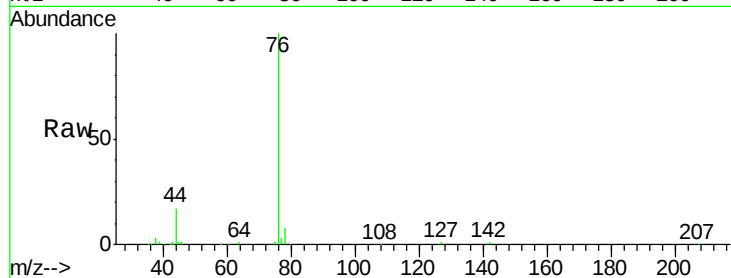
VW0515SBSD01

Tgt Ion: 76 Resp: 116563

Ion Ratio Lower Upper

76 100

78 8.2 7.5 11.3



#18

Methyl Acetate

Concen: 18.73 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW002534.D

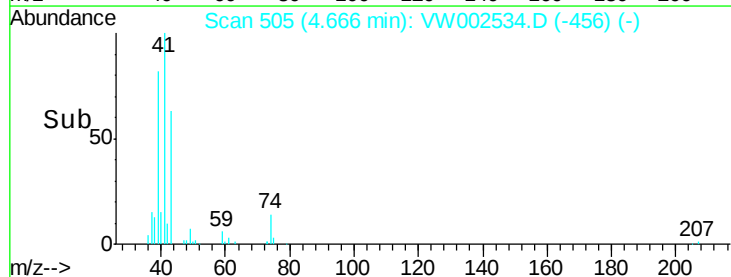
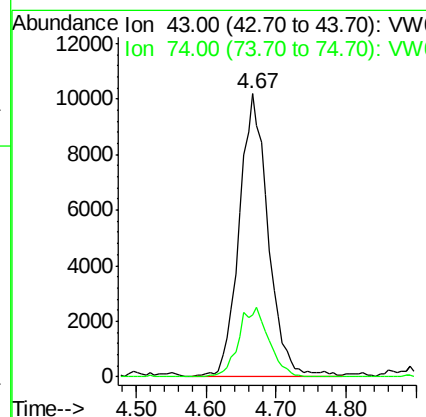
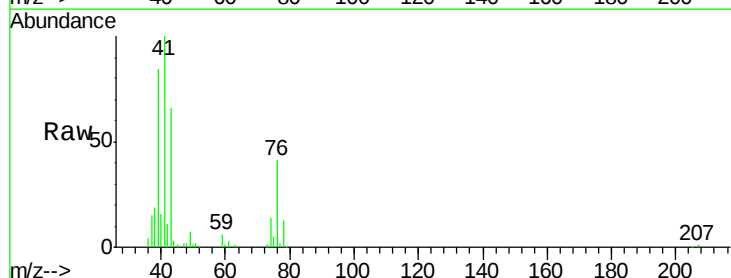
Acq: 15 May 2018 01:51

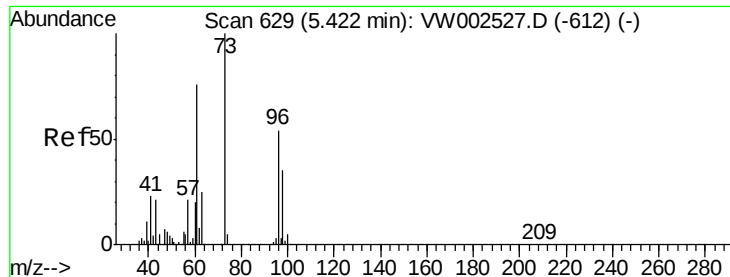
Tgt Ion: 43 Resp: 29490

Ion Ratio Lower Upper

43 100

74 25.3 19.2 28.8



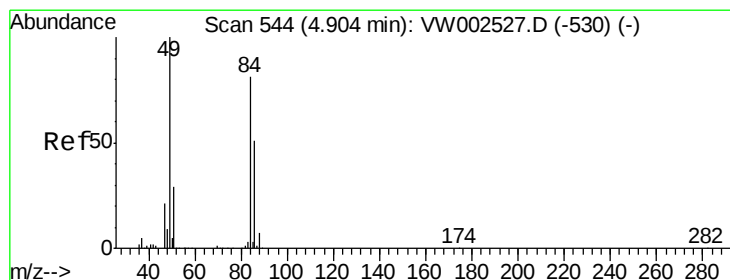
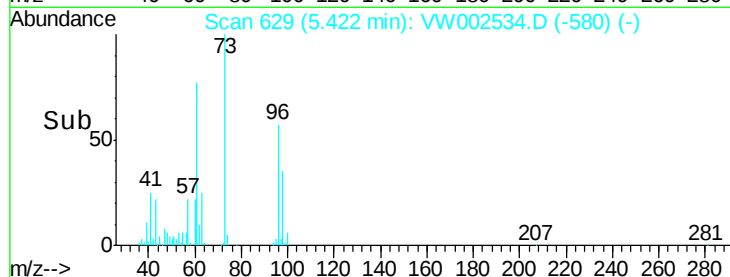
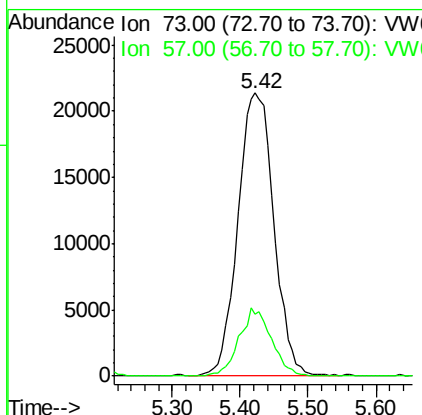
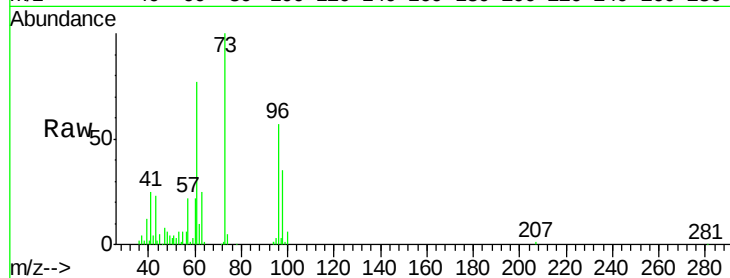


#19

Methyl tert-butyl Ether
 Concen: 20.65 ug/l
 RT: 5.42 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBSD01

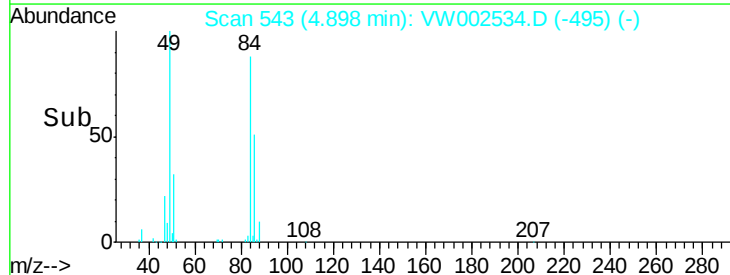
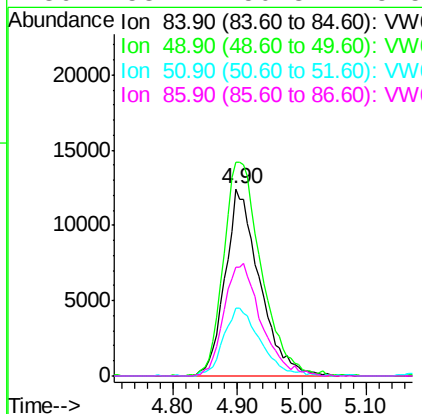
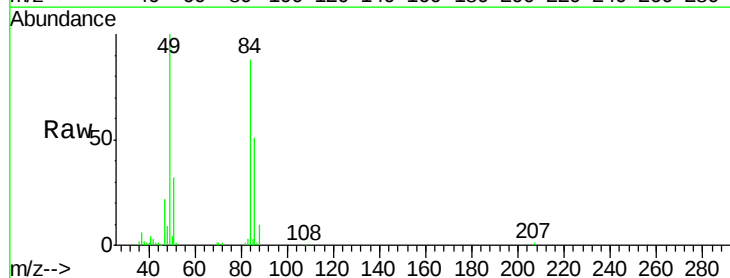
Tgt Ion: 73 Resp: 78555
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.0 25.6

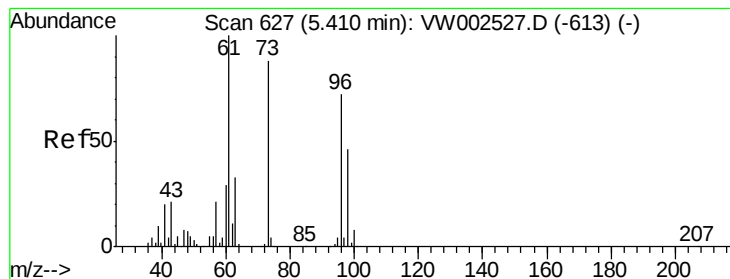


#20

Methylene Chloride
 Concen: 19.97 ug/l
 RT: 4.90 min Scan# 543
 Delta R.T. -0.01 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

Tgt Ion: 84 Resp: 46460
 Ion Ratio Lower Upper
 84 100
 49 113.1 99.4 149.0
 51 36.0 29.0 43.6
 86 58.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.74 ug/l

RT: 5.40 min Scan# 626

Delta R.T. -0.01 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBSD01

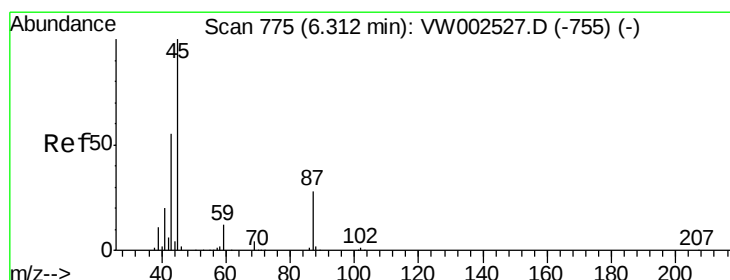
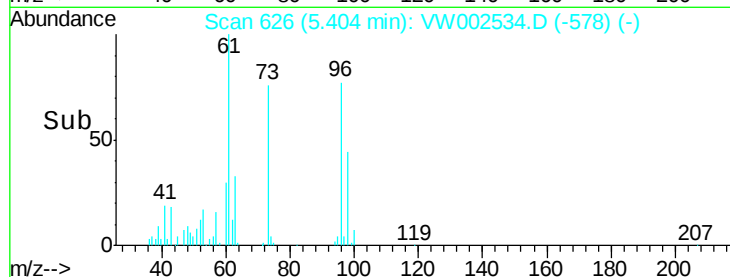
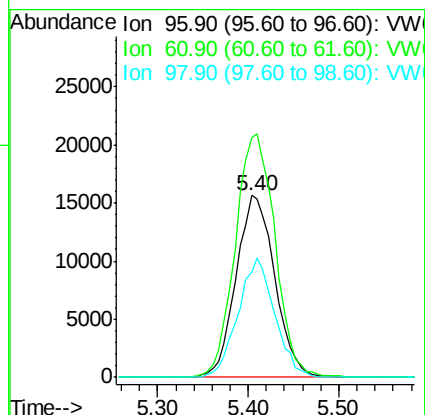
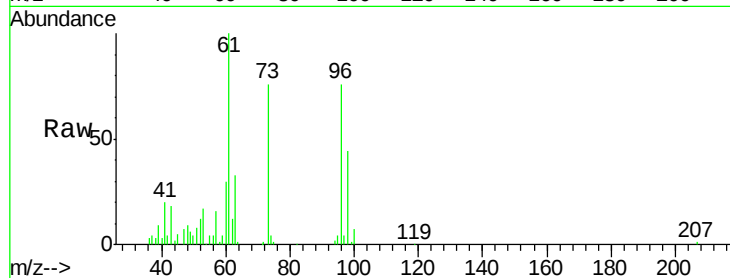
Tgt Ion: 96 Resp: 46435

Ion Ratio Lower Upper

96 100

61 131.4 111.6 167.4

98 57.7 51.7 77.5



#22

Diisopropyl ether

Concen: 20.33 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Tgt Ion: 45 Resp: 138364

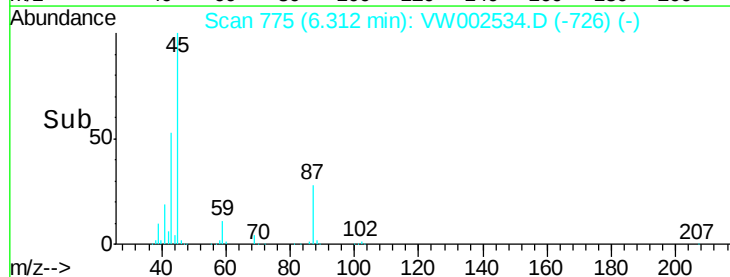
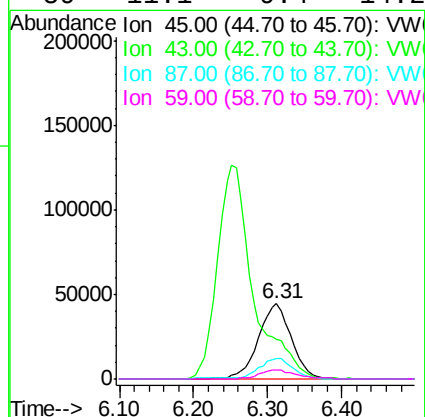
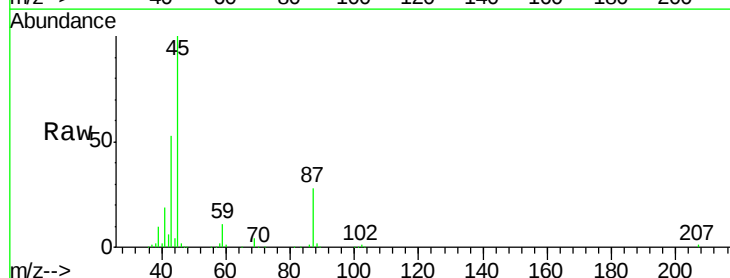
Ion Ratio Lower Upper

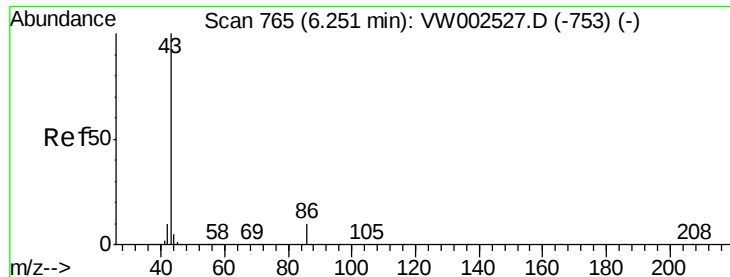
45 100

43 52.0 44.4 66.6

87 28.0 23.0 34.4

59 11.1 9.4 14.2





#23

Vinyl Acetate

Concen: 102.31 ug/l

RT: 6.25 min Scan# 765

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

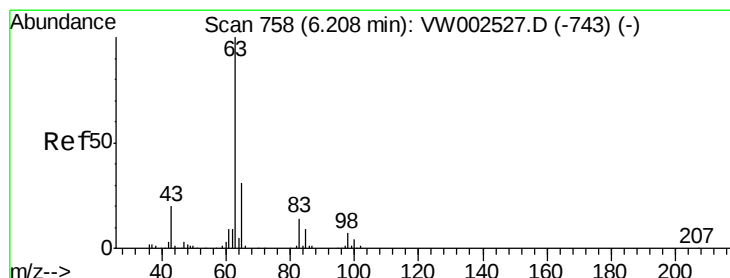
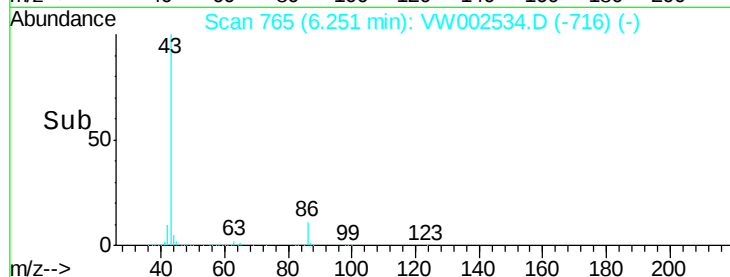
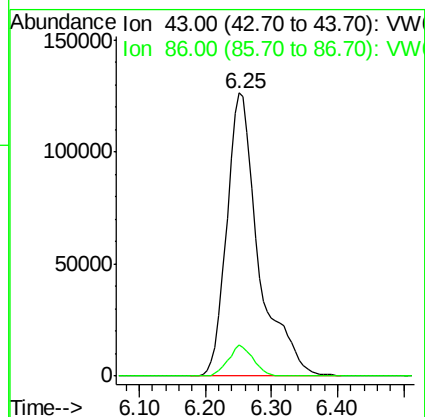
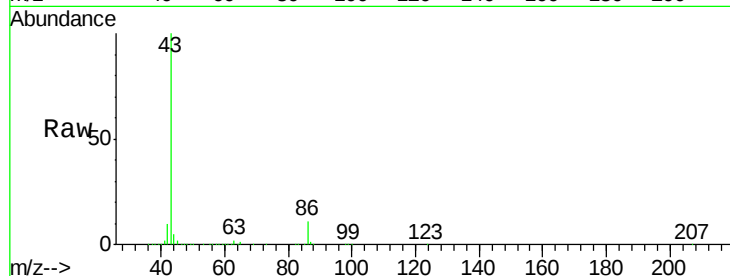
VW0515SBSD01

Tgt Ion: 43 Resp: 422058

Ion Ratio Lower Upper

43 100

86 10.8 7.9 11.9



#24

1,1-Dichloroethane

Concen: 20.30 ug/l

RT: 6.20 min Scan# 757

Delta R.T. -0.01 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

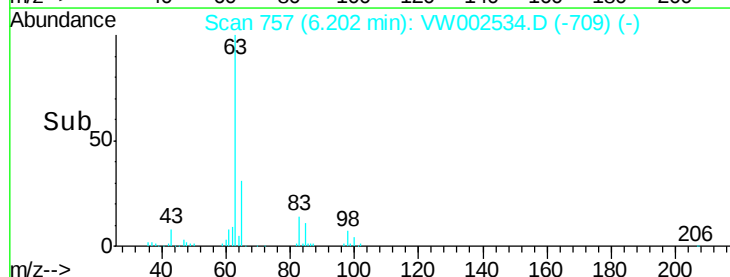
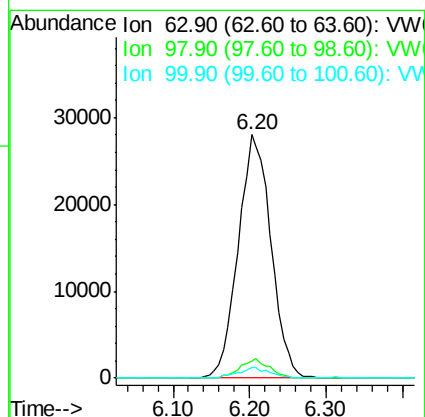
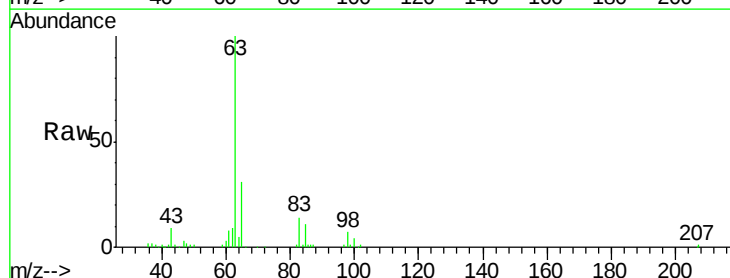
Tgt Ion: 63 Resp: 83285

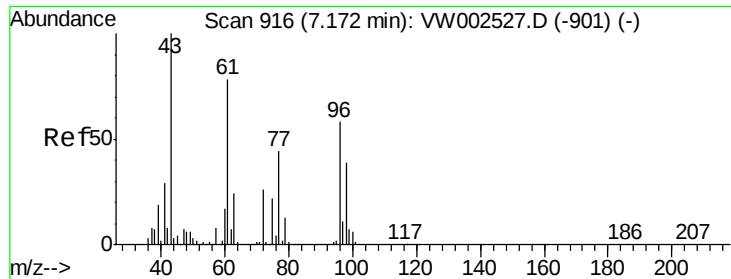
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

100 4.2 2.1 6.5

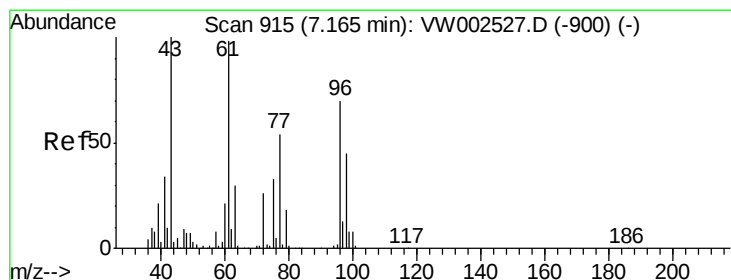
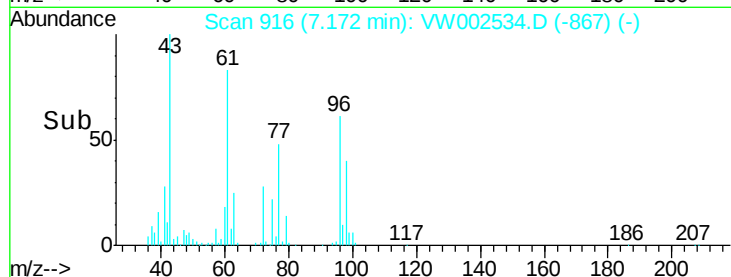
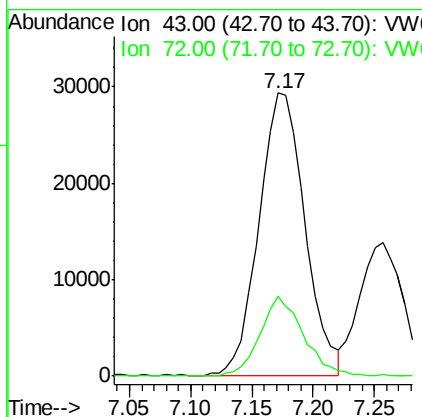
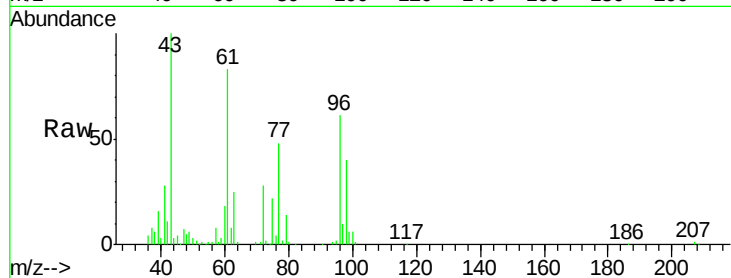




#25
2-Butanone
Concen: 100.57 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

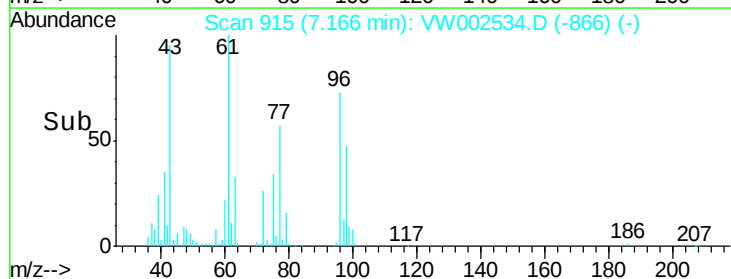
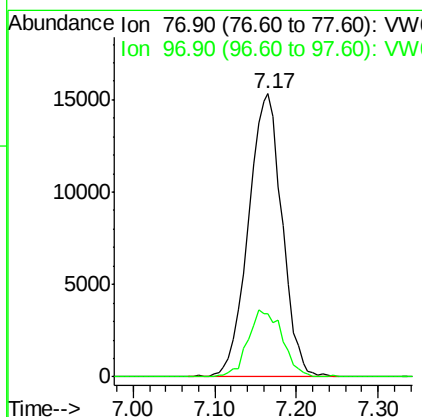
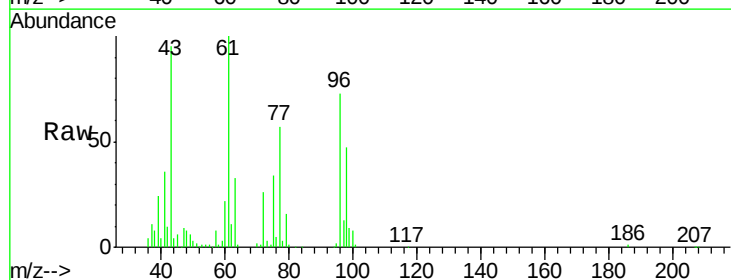
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBSD01

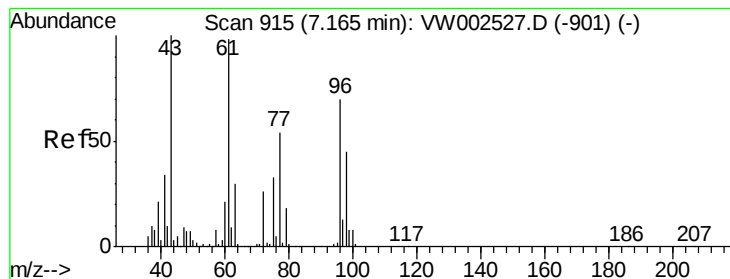
Tgt Ion: 43 Resp: 76813
Ion Ratio Lower Upper
43 100
72 28.2 20.9 31.3



#26
2,2-Dichloropropane
Concen: 19.19 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

Tgt Ion: 77 Resp: 44103
Ion Ratio Lower Upper
77 100
97 24.0 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 20.20 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBSD01

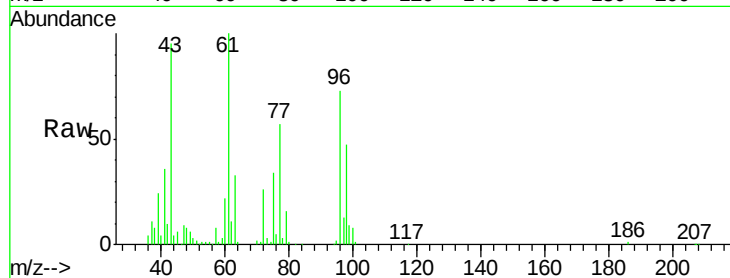
Tgt Ion: 96 Resp: 51592

Ion Ratio Lower Upper

96 100

61 139.5 0.0 281.6

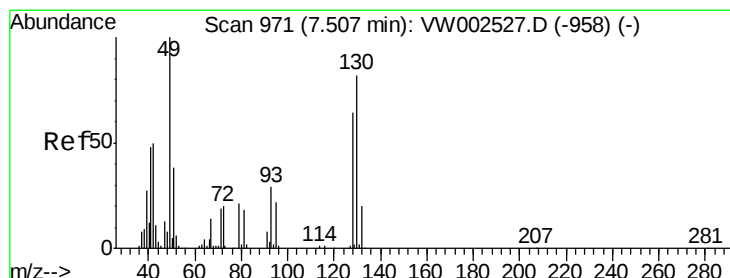
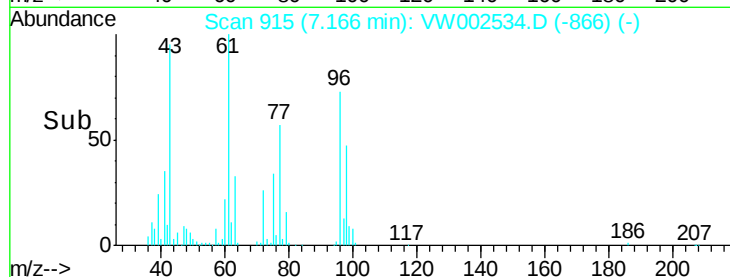
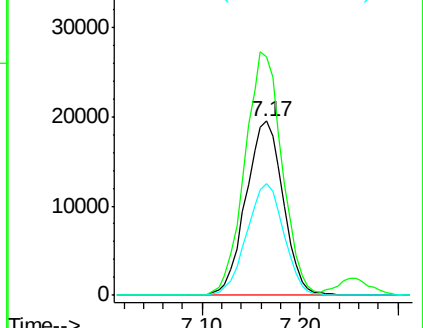
98 63.8 0.0 130.8



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: 20.19 ug/l

RT: 7.51 min Scan# 971

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

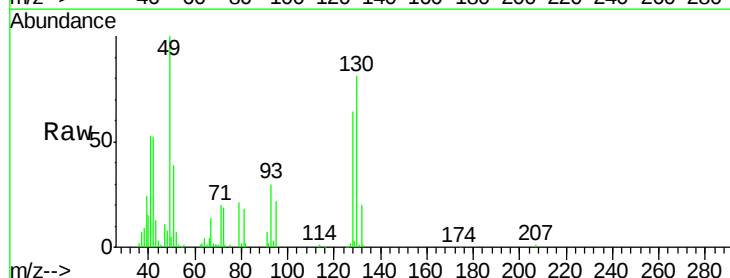
Tgt Ion: 49 Resp: 36976

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.4

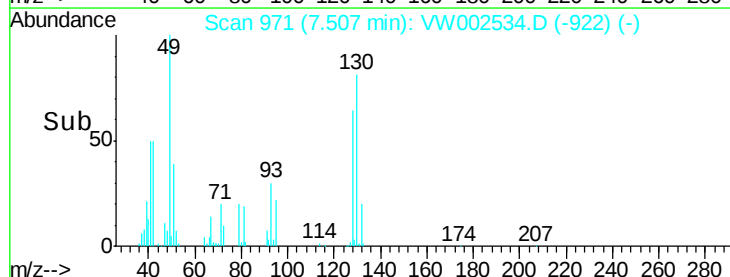
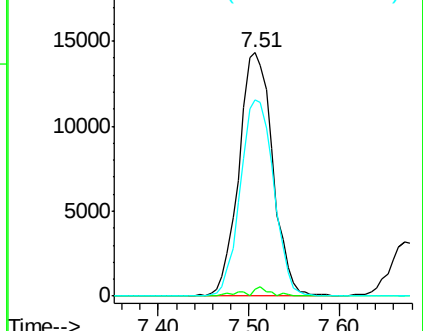
130 80.0 64.7 97.1

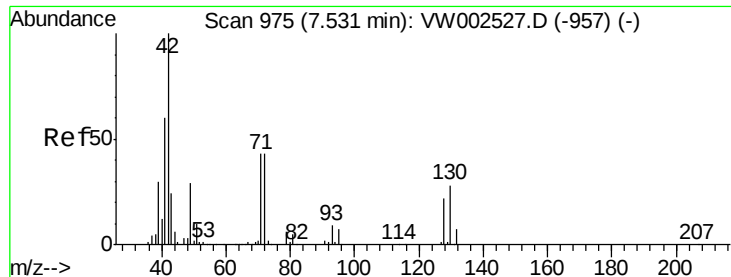


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): VW

Ion 129.80 (129.50 to 130.50): VW

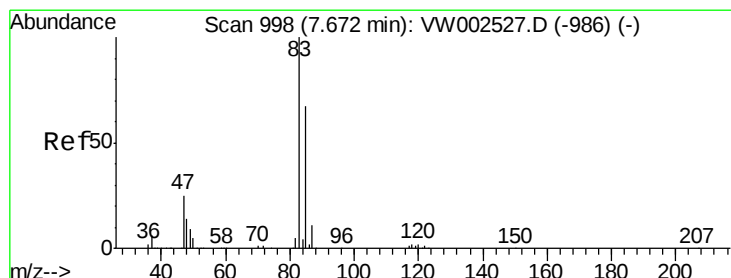
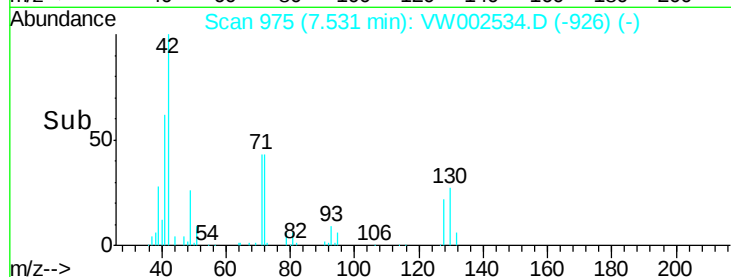
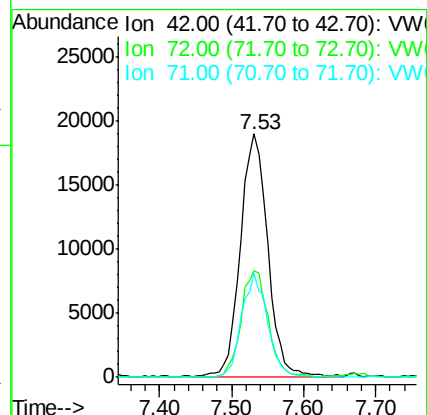
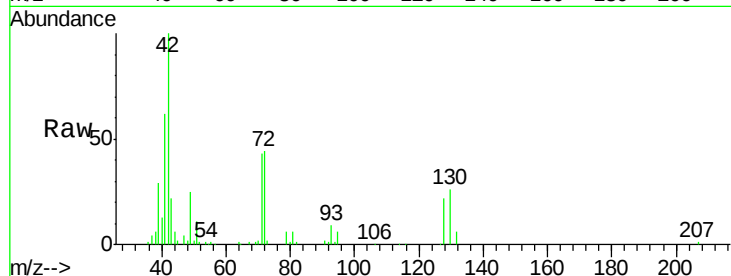




#29
Tetrahydrofuran
Concen: 106.26 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

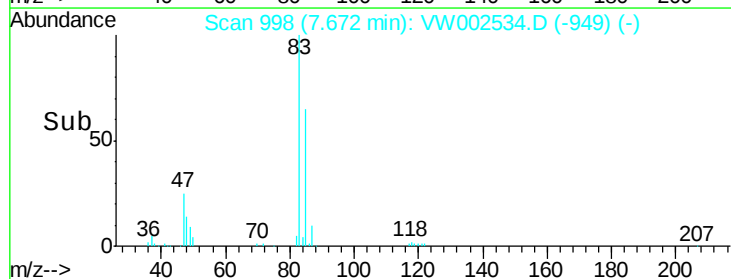
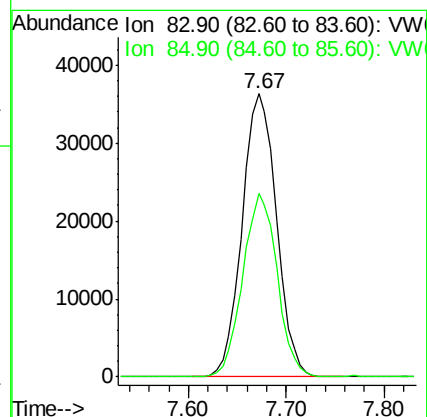
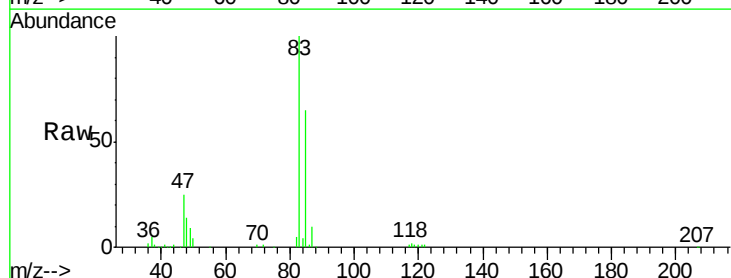
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBSD01

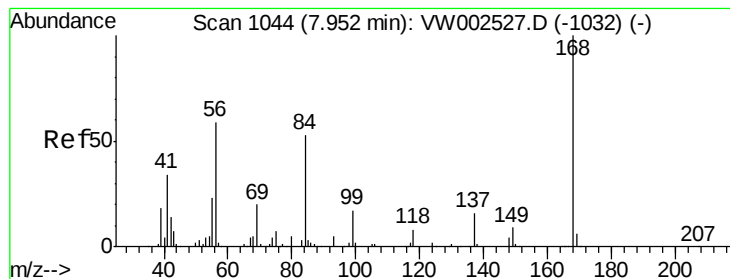
Tgt Ion: 42 Resp: 50699
Ion Ratio Lower Upper
42 100
72 42.8 35.0 52.4
71 40.0 33.0 49.6



#30
Chloroform
Concen: 20.21 ug/l
RT: 7.67 min Scan# 998
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

Tgt Ion: 83 Resp: 88511
Ion Ratio Lower Upper
83 100
85 65.0 53.9 80.9





#31

Cyclohexane

Concen: 19.94 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS01

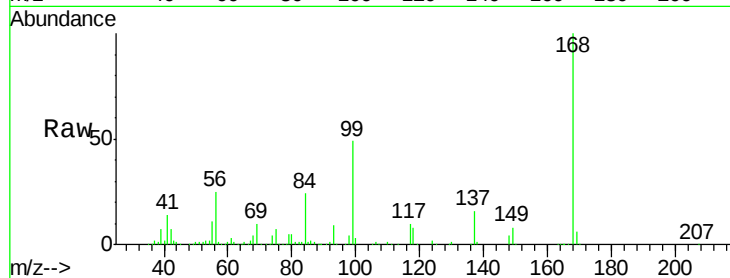
Tgt Ion: 56 Resp: 72451

Ion Ratio Lower Upper

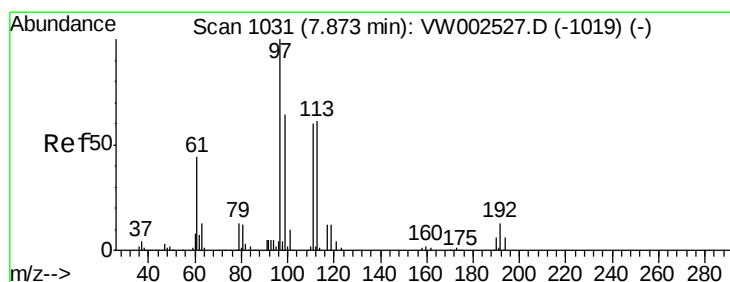
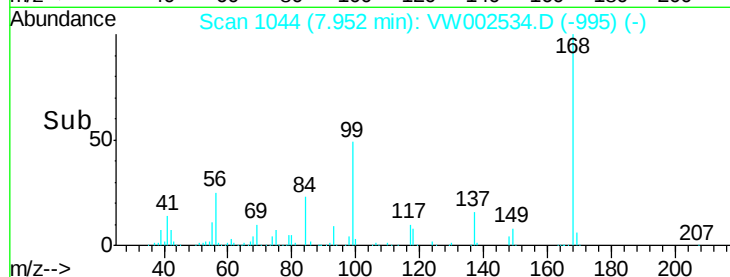
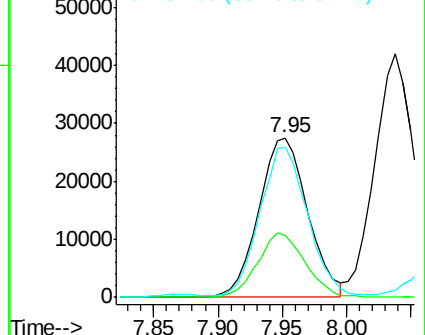
56 100

69 38.9 27.0 40.4

84 92.8 72.2 108.2



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 20.11 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

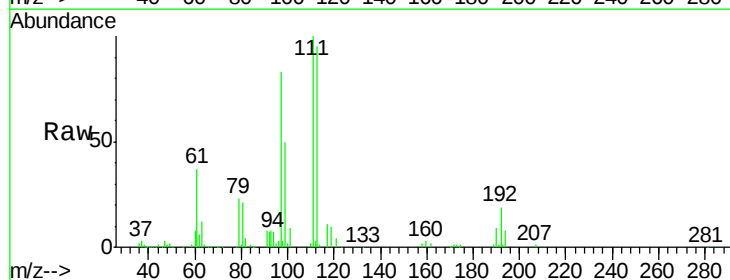
Tgt Ion: 97 Resp: 66448

Ion Ratio Lower Upper

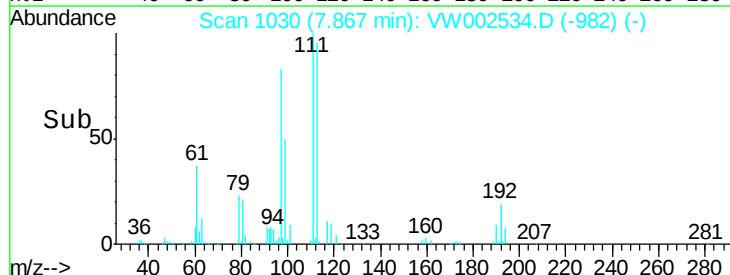
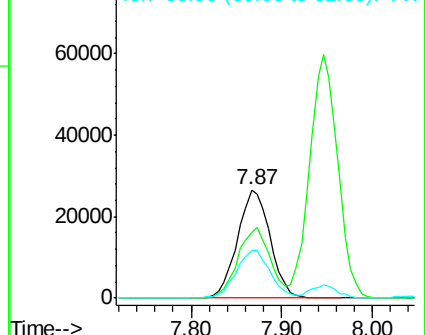
97 100

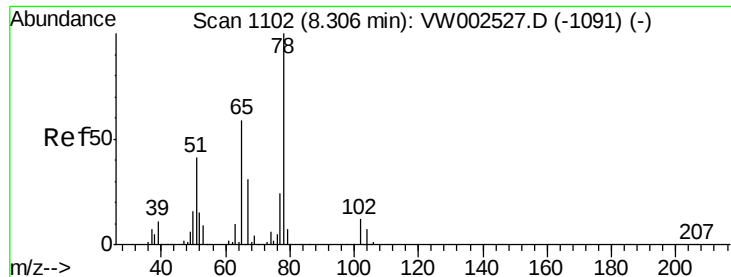
99 64.2 51.1 76.7

61 45.5 35.9 53.9



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

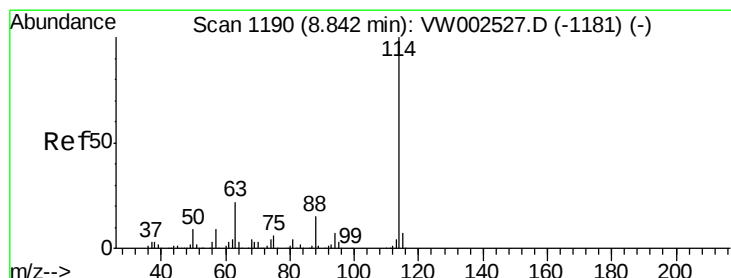
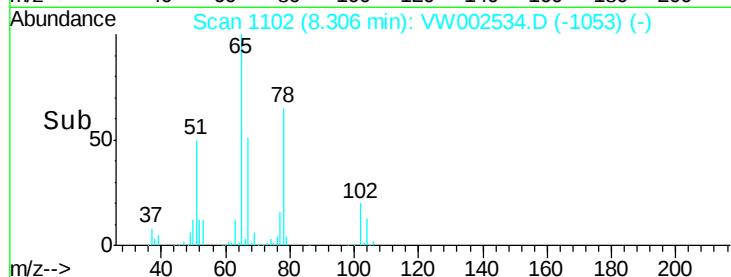
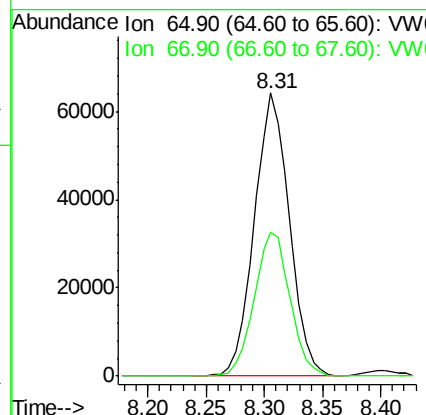
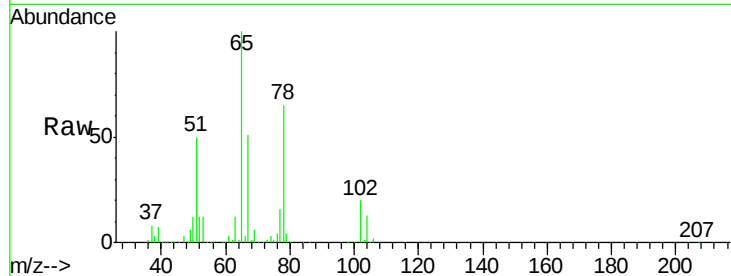




#33
 1,2-Dichloroethane-d4
 Concen: 52.65 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

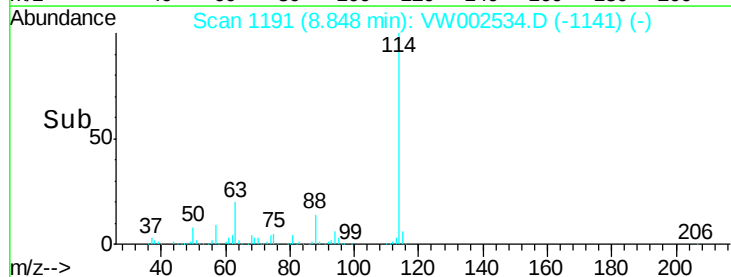
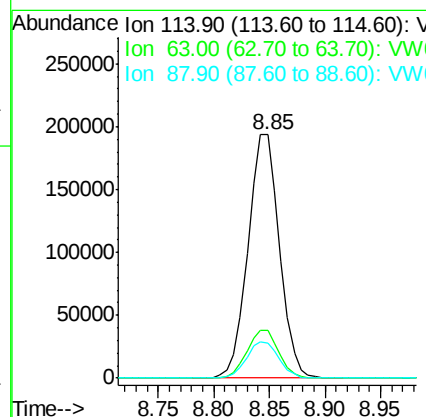
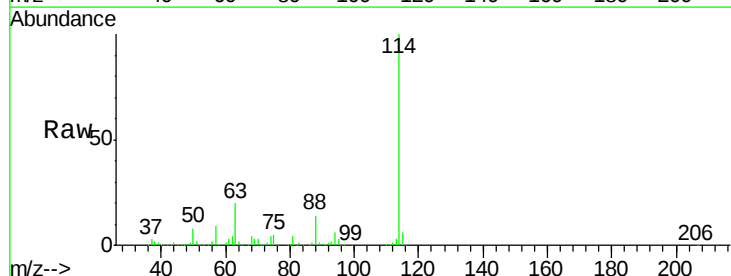
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBSD01

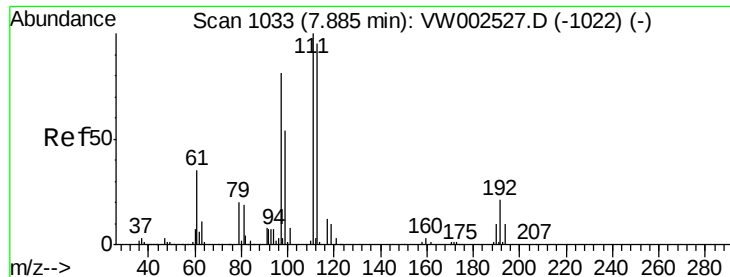
Tgt Ion: 65 Resp: 134695
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

Tgt Ion: 114 Resp: 379785
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 43.2
 88 14.5 0.0 29.2

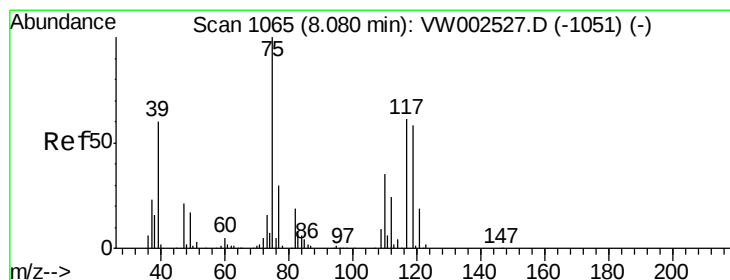
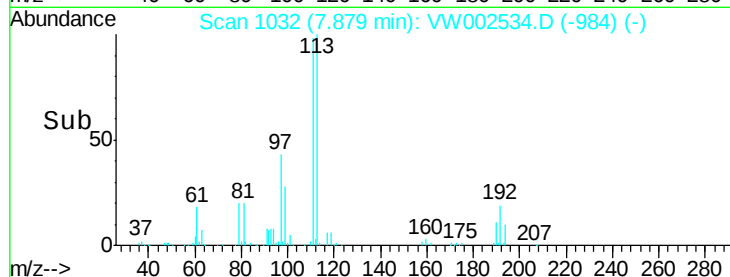
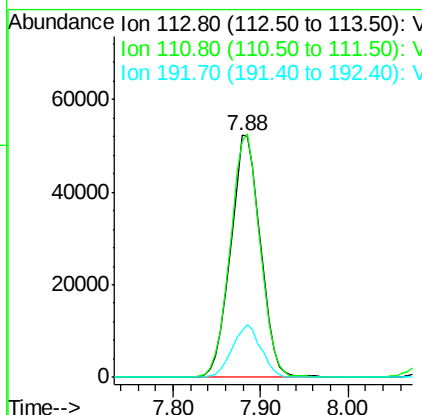
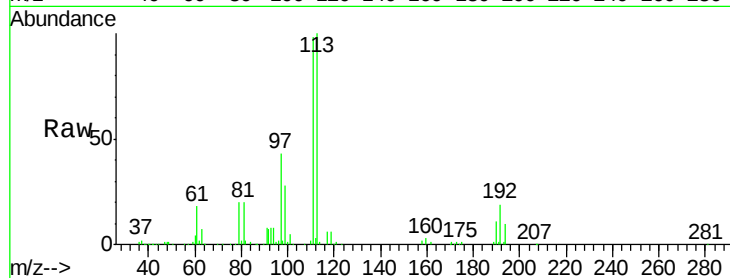




#35
 Dibromofluoromethane
 Concen: 51.28 ug/l
 RT: 7.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

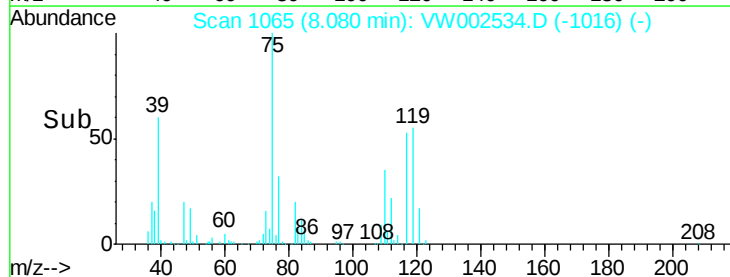
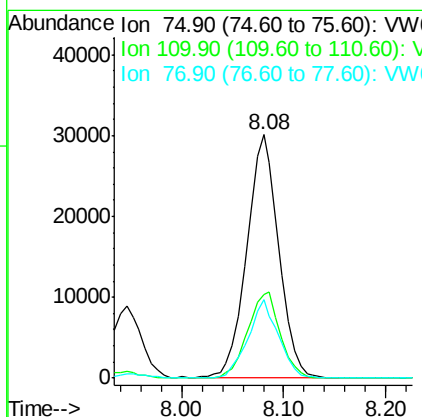
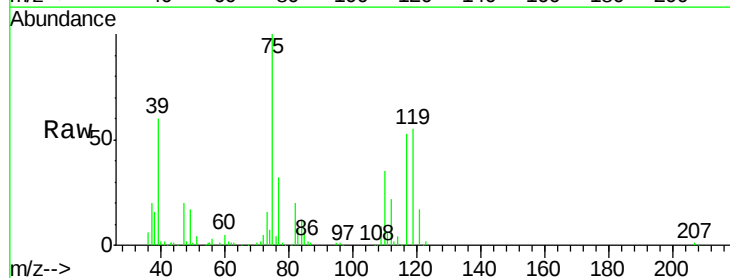
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBSD01

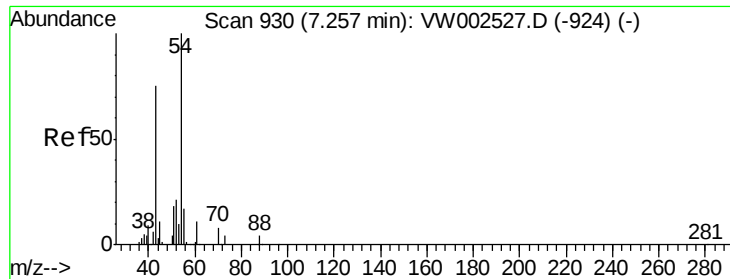
Tgt Ion: 113 Resp: 123547
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.8 122.8
 192 20.9 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 19.57 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

Tgt Ion: 75 Resp: 65588
 Ion Ratio Lower Upper
 75 100
 110 36.0 17.8 53.5
 77 31.0 24.5 36.7

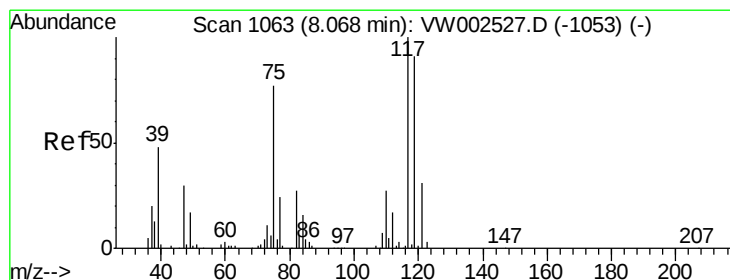
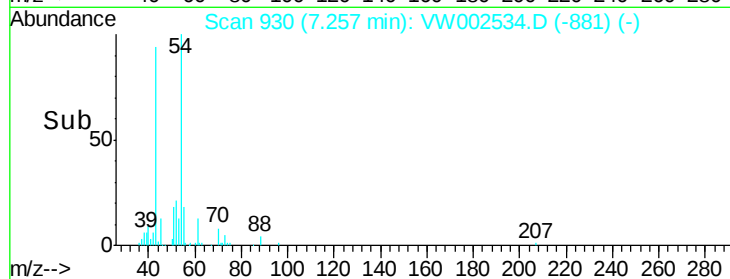
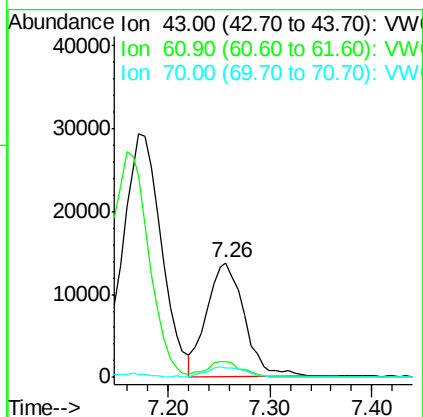
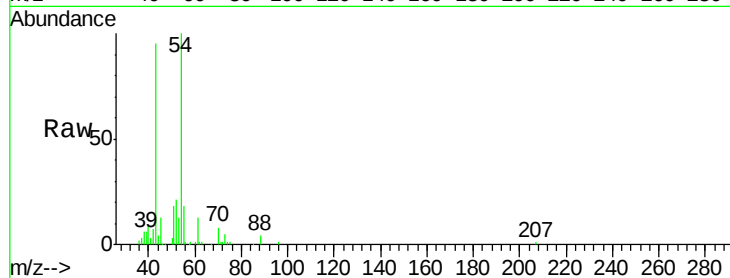




#37
Ethyl Acetate
Concen: 21.09 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

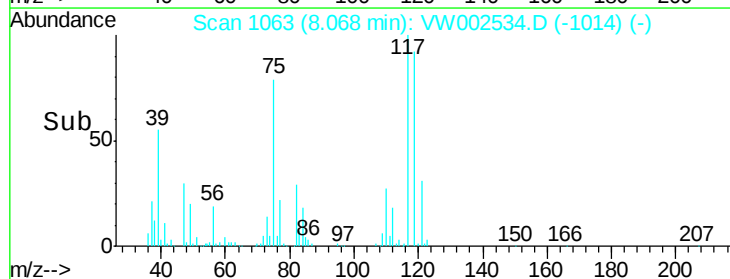
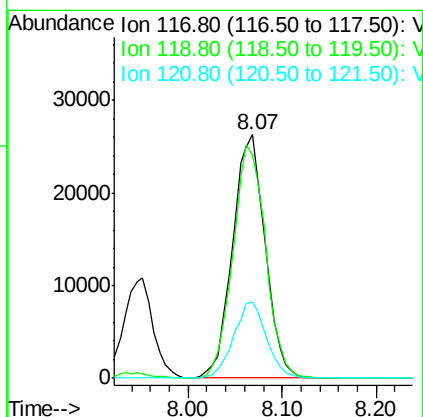
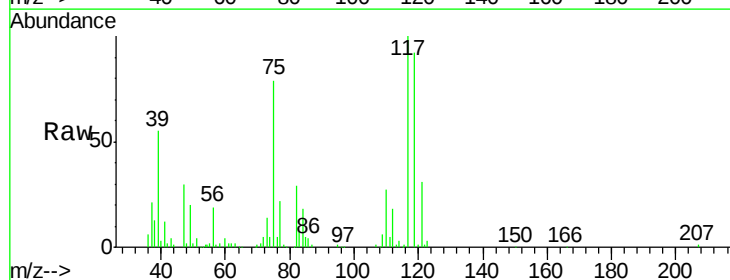
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBSD01

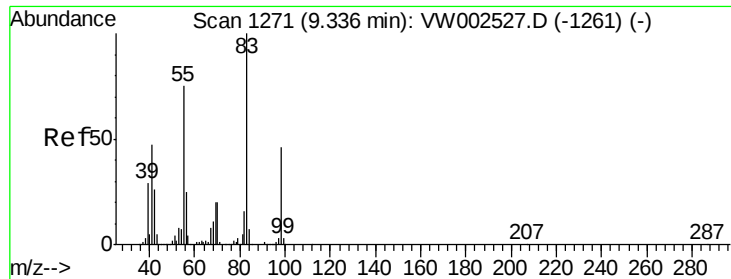
Tgt Ion: 43 Resp: 35061
Ion Ratio Lower Upper
43 100
61 13.7 11.1 16.7
70 9.7 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.27 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

Tgt Ion: 117 Resp: 63241
Ion Ratio Lower Upper
117 100
119 91.6 73.1 109.7
121 31.0 24.4 36.6

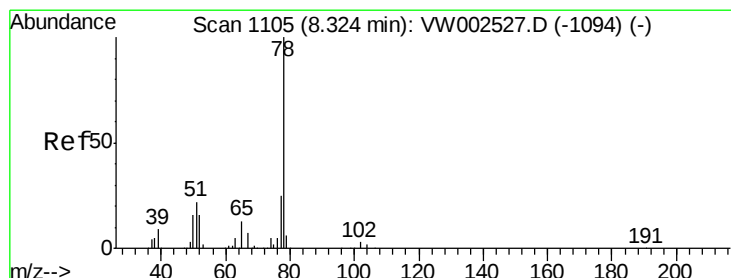
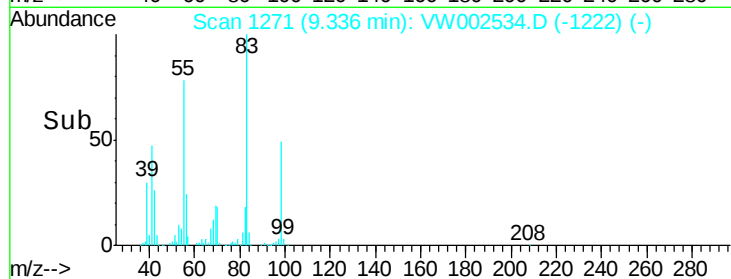
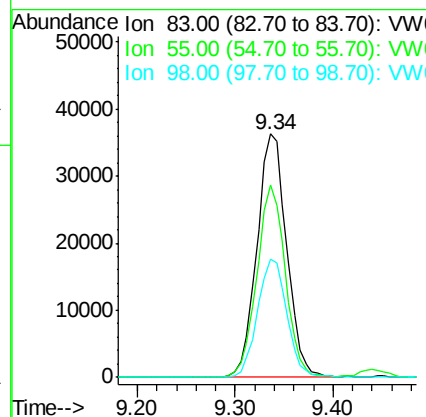
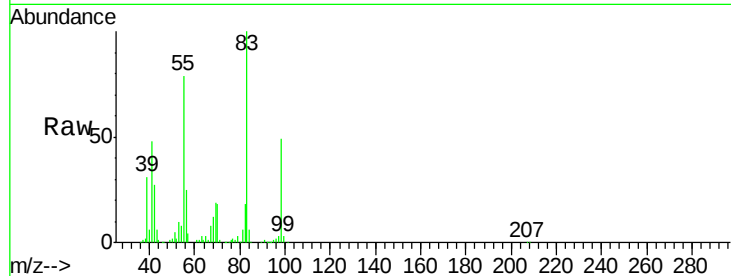




#39
Methylcyclohexane
Concen: 19.94 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

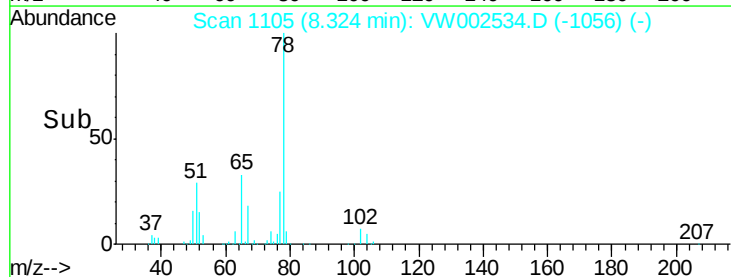
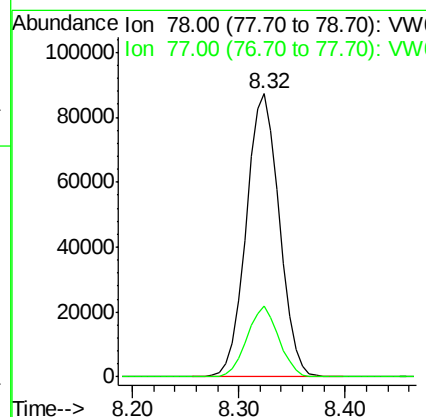
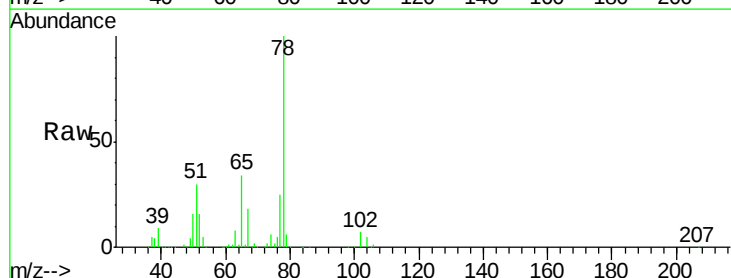
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBSD01

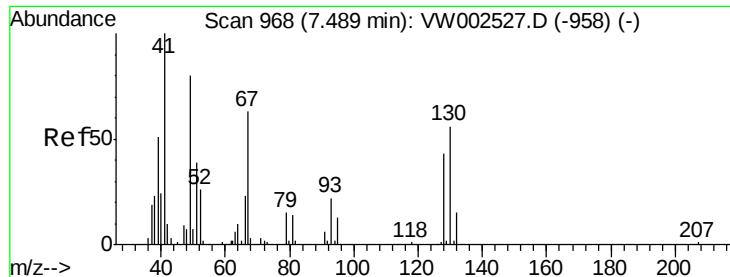
Tgt Ion: 83 Resp: 76530
Ion Ratio Lower Upper
83 100
55 78.6 60.0 90.0
98 48.6 37.0 55.4



#40
Benzene
Concen: 19.80 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

Tgt Ion: 78 Resp: 190509
Ion Ratio Lower Upper
78 100
77 25.2 19.9 29.9

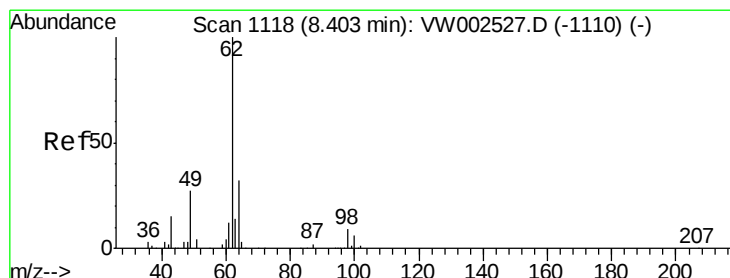
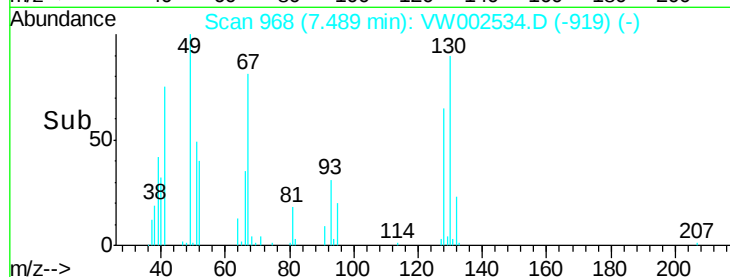
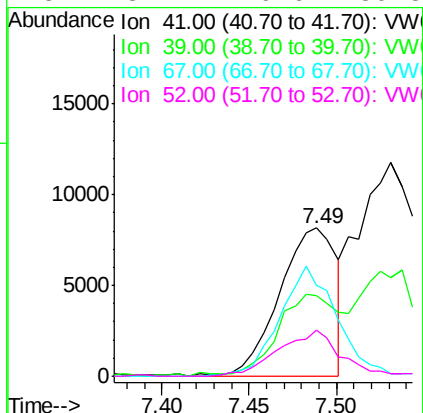
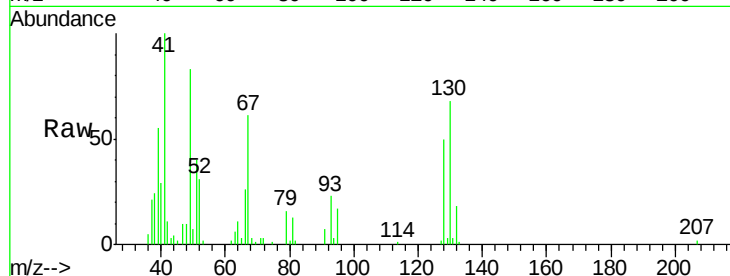




#41
Methacrylonitrile
Concen: 19.94 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

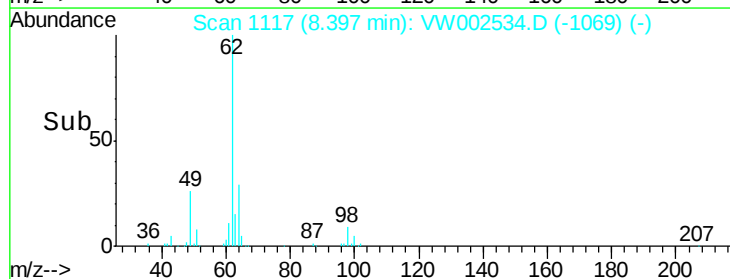
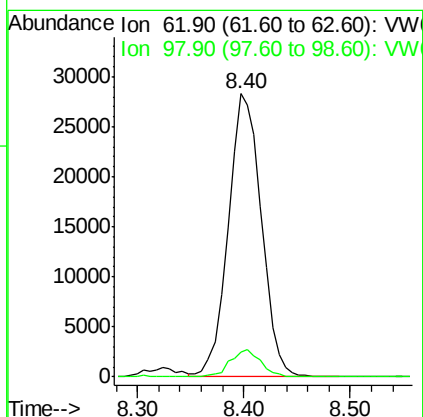
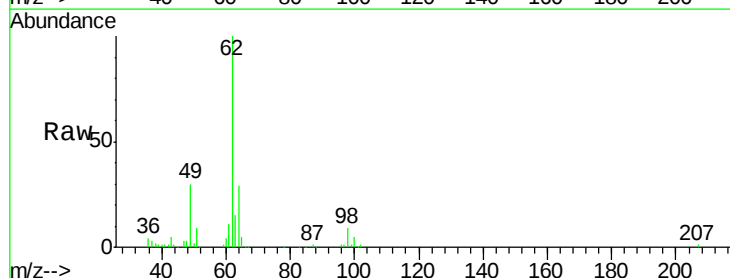
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBSD01

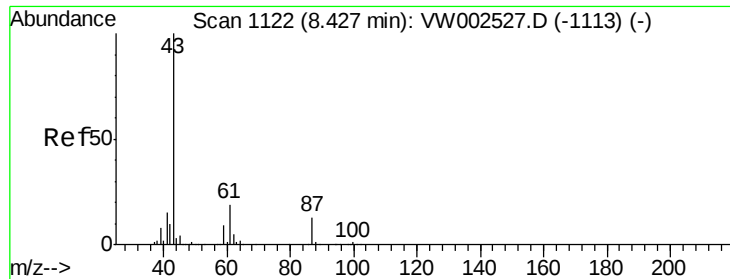
Tgt Ion:	41	Resp:	18546
Ion	Ratio	Lower	Upper
41	100		
39	63.5	51.8	77.8
67	75.1	59.9	89.9
52	34.2	26.6	39.8



#42
1,2-Dichloroethane
Concen: 20.14 ug/l
RT: 8.40 min Scan# 1117
Delta R.T. -0.01 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

Tgt Ion:	62	Resp:	61542
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.84 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBSD01

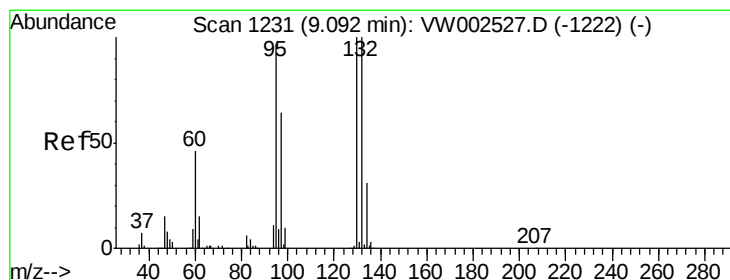
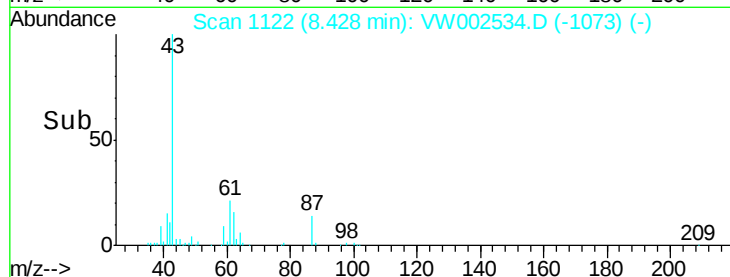
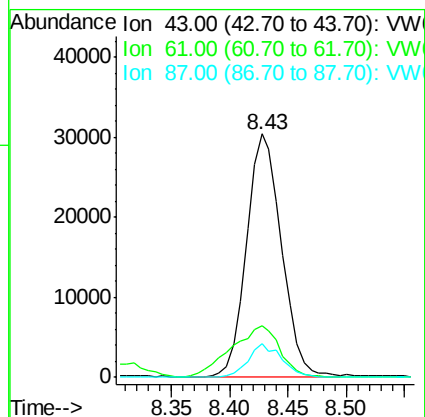
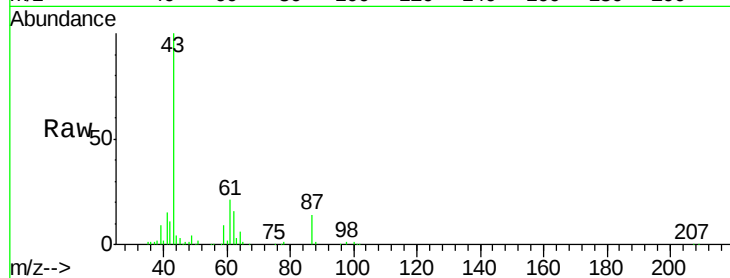
Tgt Ion: 43 Resp: 63421

Ion Ratio Lower Upper

43 100

61 29.5 23.0 34.6

87 13.4 10.6 15.8



#44

Trichloroethene

Concen: 19.92 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW002534.D

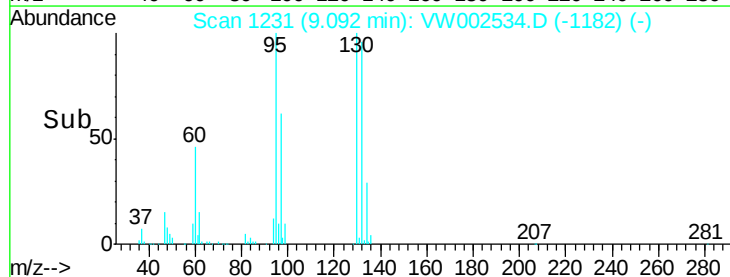
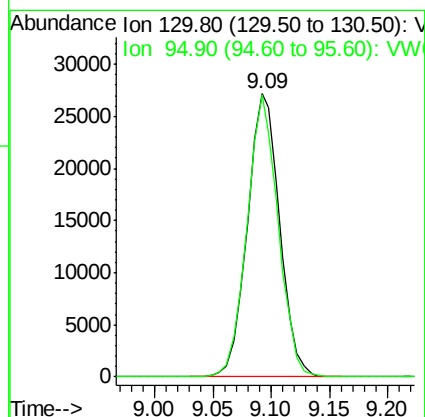
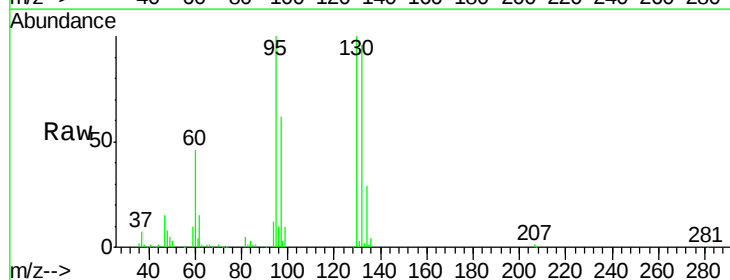
Acq: 15 May 2018 01:51

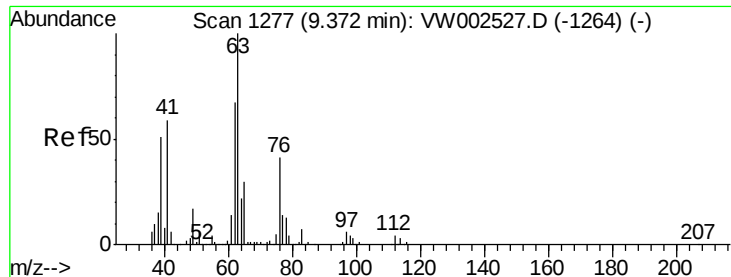
Tgt Ion: 130 Resp: 52540

Ion Ratio Lower Upper

130 100

95 99.8 0.0 194.6





#45

1,2-Dichloropropane

Concen: 19.53 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

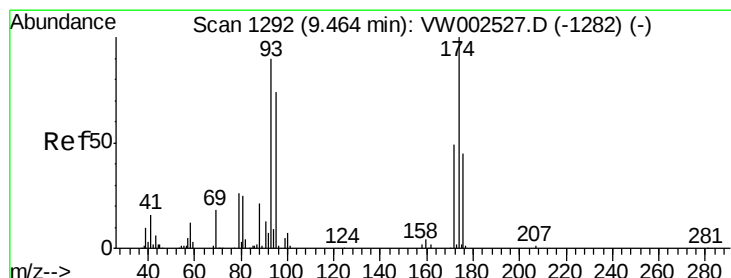
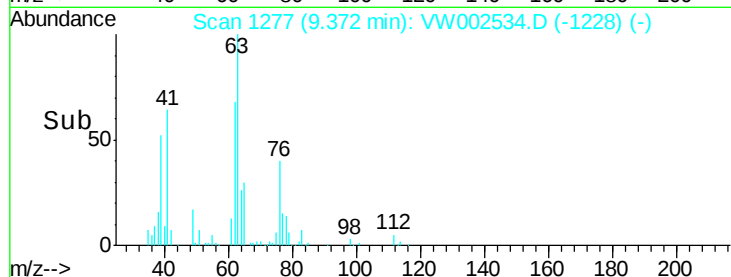
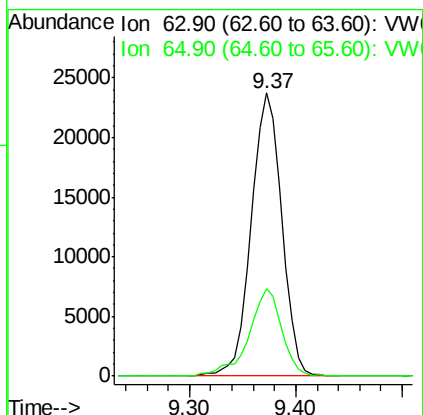
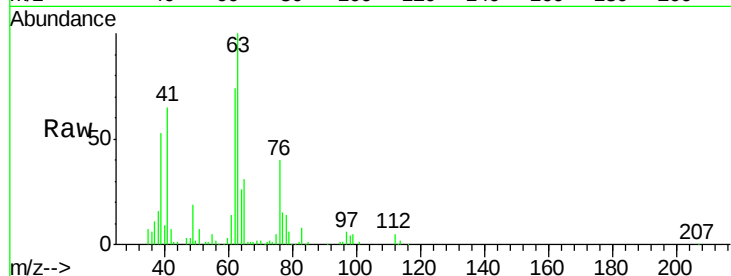
VW0515SBSD01

Tgt Ion: 63 Resp: 47875

Ion Ratio Lower Upper

63 100

65 31.0 24.4 36.6



#46

Dibromomethane

Concen: 19.95 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

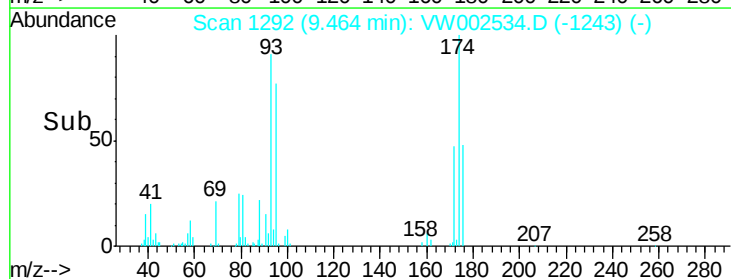
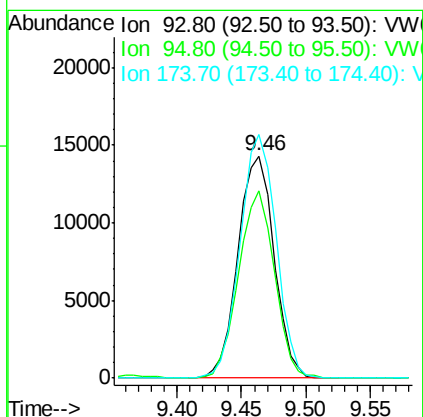
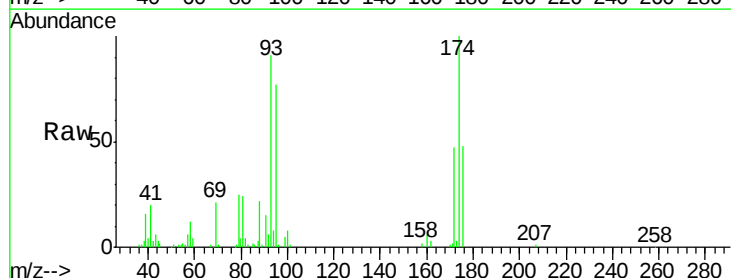
Tgt Ion: 93 Resp: 27840

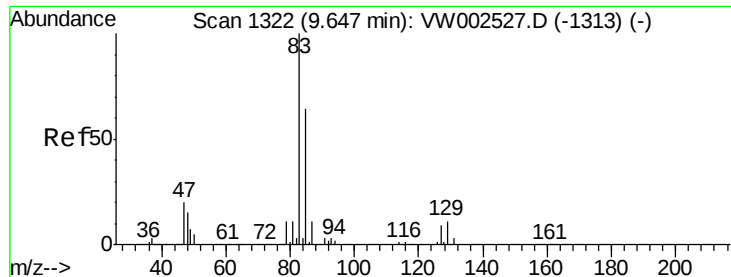
Ion Ratio Lower Upper

93 100

95 83.6 66.6 100.0

174 109.4 84.0 126.0

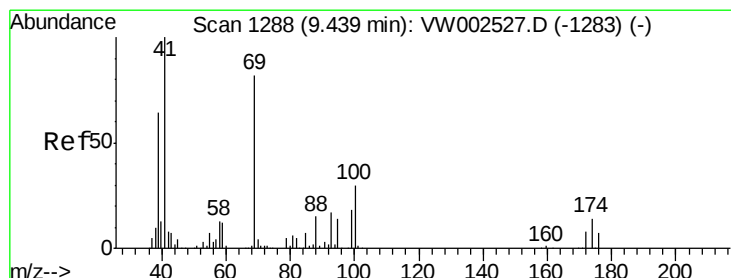
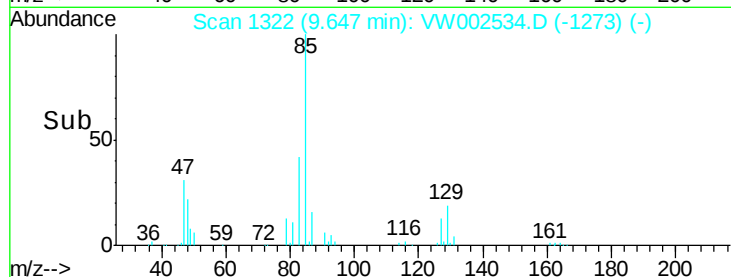
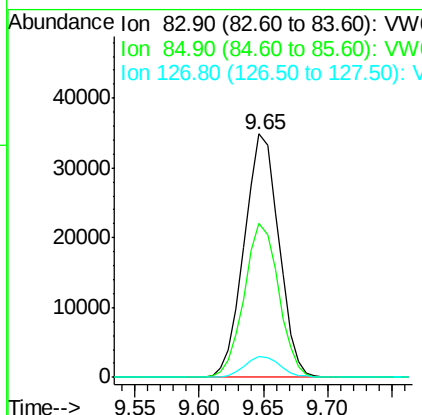
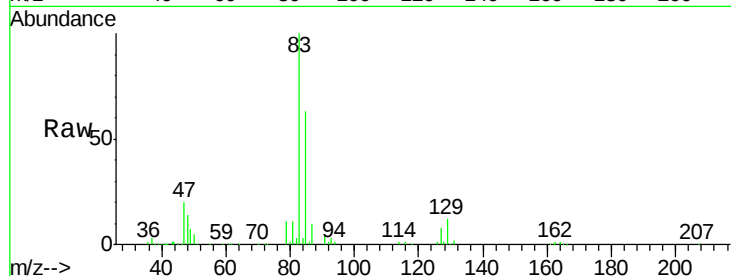




#47
 Bromodichloromethane
 Concen: 19.94 ug/l
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

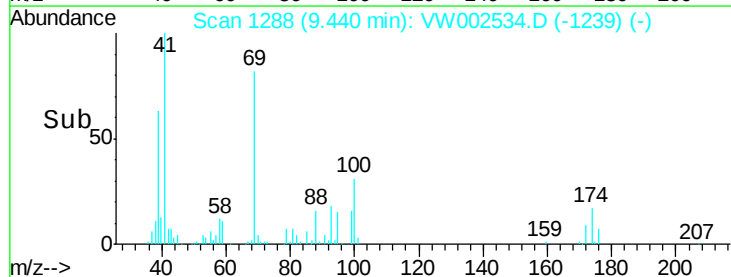
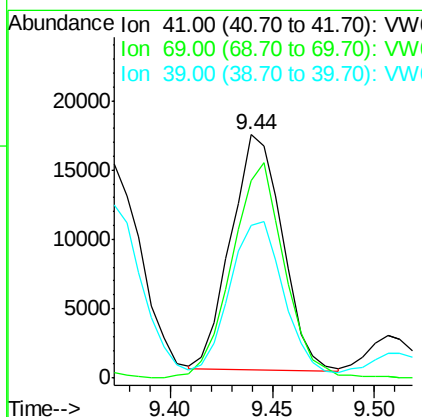
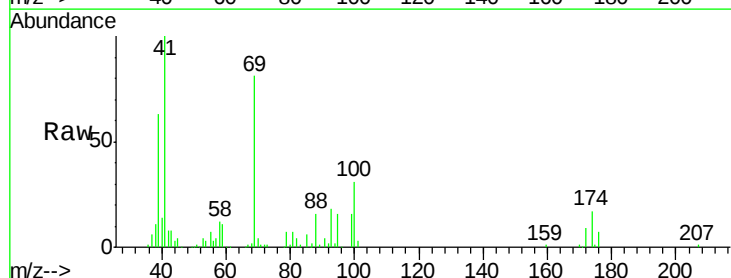
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBSD01

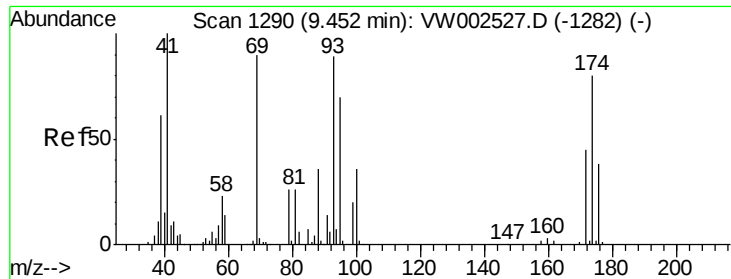
Tgt Ion: 83 Resp: 64872
 Ion Ratio Lower Upper
 83 100
 85 63.4 51.4 77.2
 127 8.4 7.0 10.4



#48
 Methyl methacrylate
 Concen: 19.16 ug/l
 RT: 9.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

Tgt Ion: 41 Resp: 29681
 Ion Ratio Lower Upper
 41 100
 69 93.8 69.7 104.5
 39 70.9 55.0 82.4

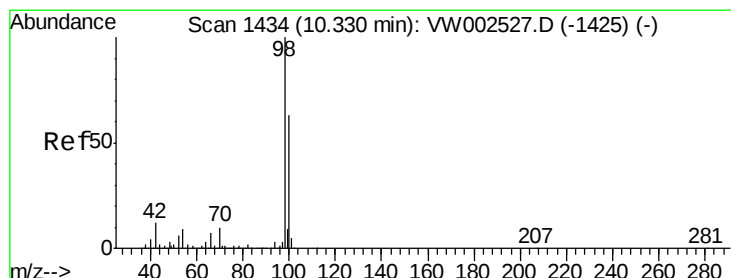
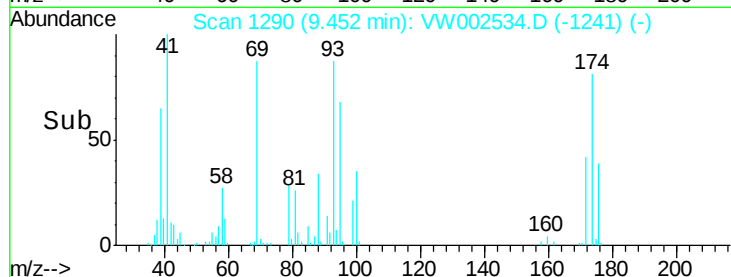
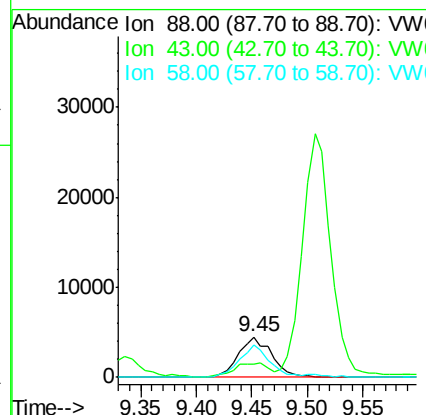
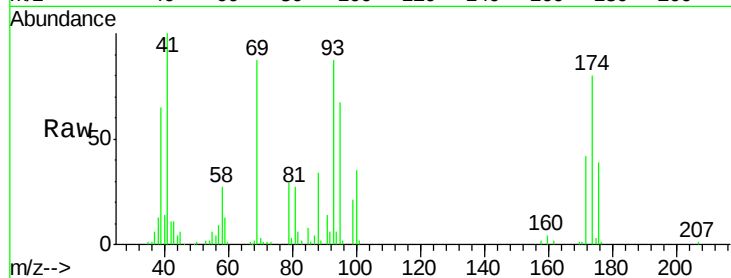




#49
 1,4-Dioxane
 Concen: 401.15 ug/l
 RT: 9.45 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

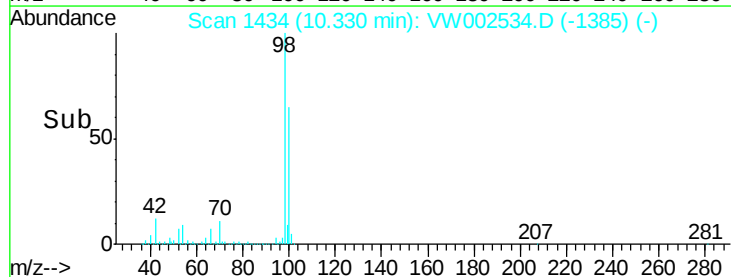
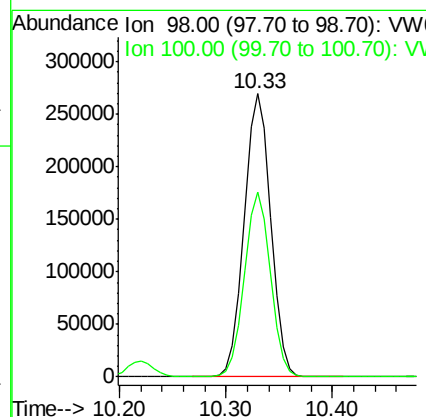
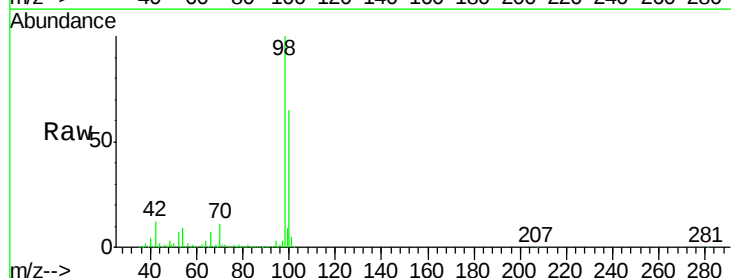
Instrument :
 MSVOA_W
 ClientSampled :
 VW0515SBS01

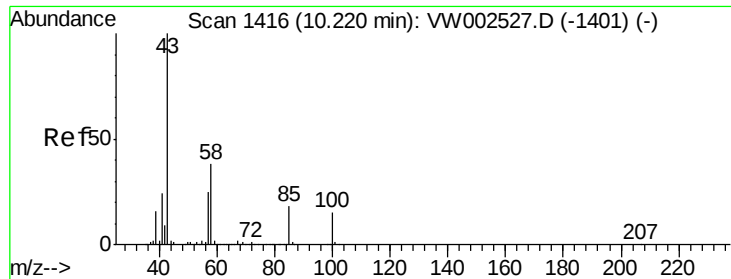
Tgt Ion: 88 Resp: 9328
 Ion Ratio Lower Upper
 88 100
 43 36.6 27.0 40.4
 58 72.2 56.9 85.3



#50
 Toluene-d8
 Concen: 51.57 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

Tgt Ion: 98 Resp: 472687
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.0 76.4

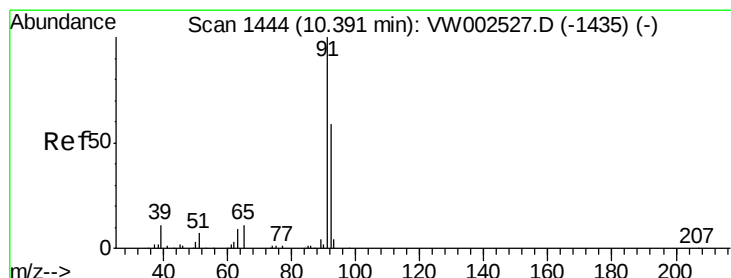
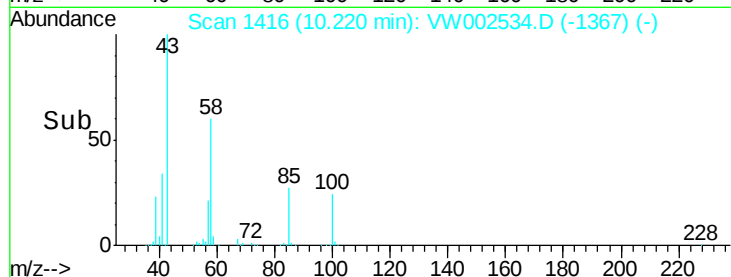
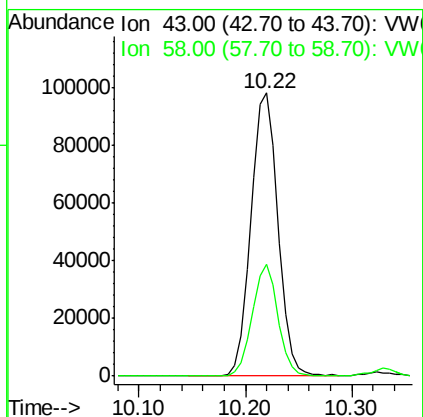
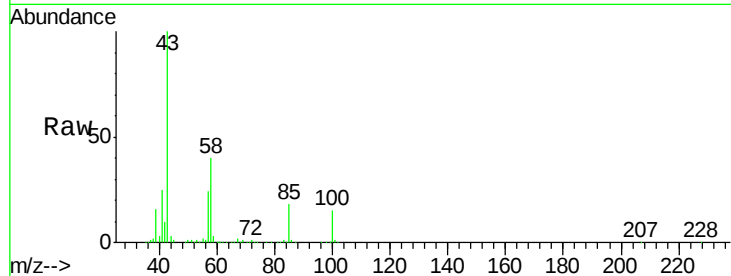




#51
 4-Methyl-2-Pentanone
 Concen: 99.55 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

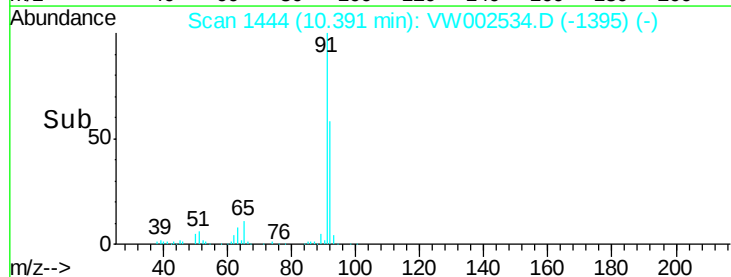
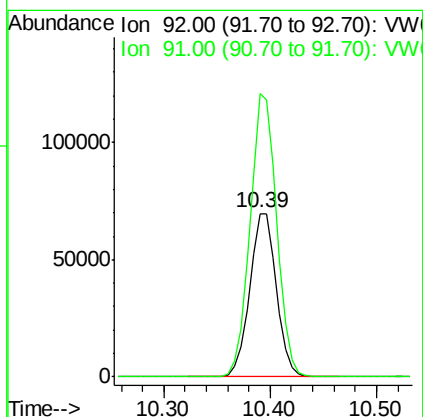
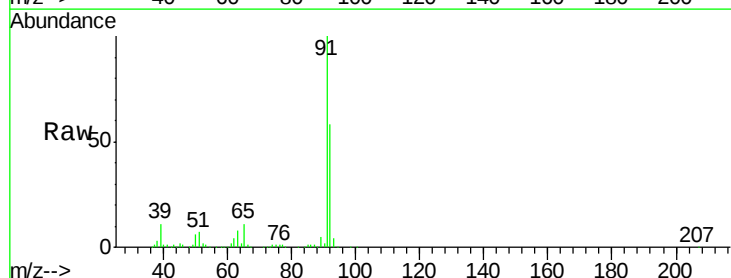
Instrument :
 MSVOA_W
 ClientSampled :
 VW0515SBSD01

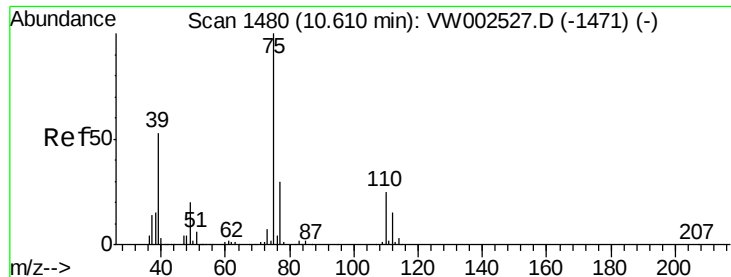
Tgt Ion: 43 Resp: 174736
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.1 45.1



#52
 Toluene
 Concen: 20.15 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

Tgt Ion: 92 Resp: 122579
 Ion Ratio Lower Upper
 92 100
 91 172.6 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 19.03 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

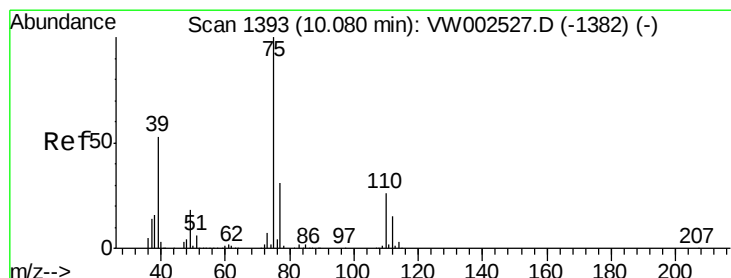
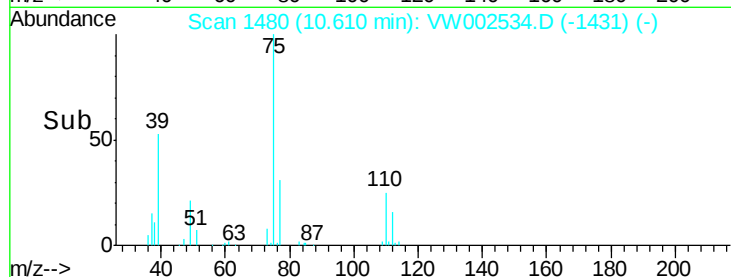
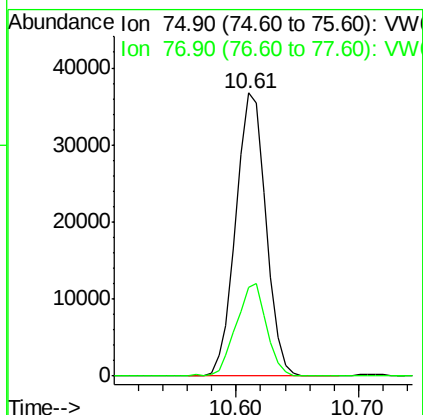
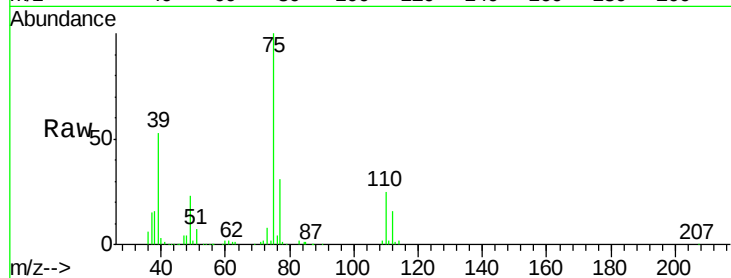
VW0515SBSD01

Tgt Ion: 75 Resp: 62615

Ion Ratio Lower Upper

75 100

77 31.3 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 19.63 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

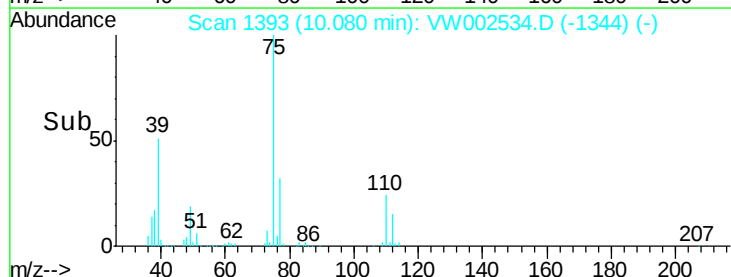
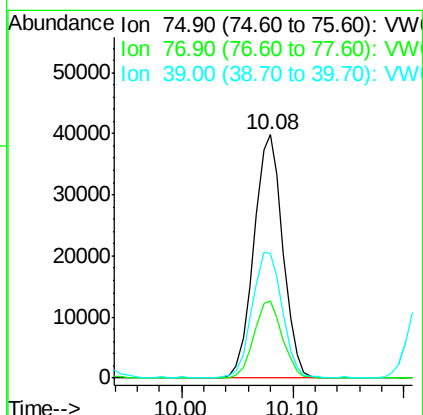
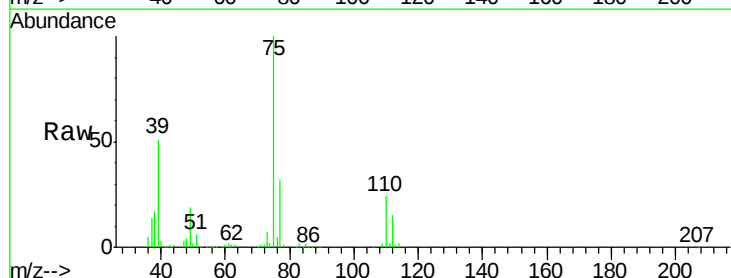
Tgt Ion: 75 Resp: 71997

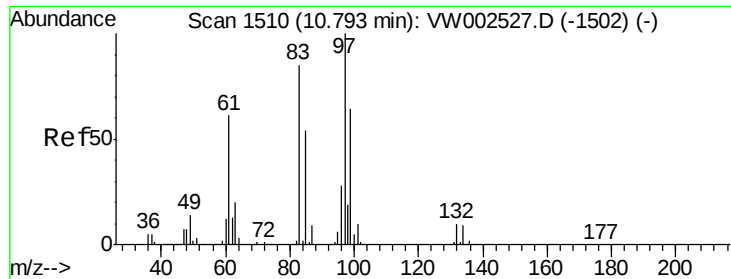
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4

39 50.8 42.5 63.7





#55

1,1,2-Trichloroethane

Concen: 19.31 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBSD01

Tgt Ion: 97 Resp: 37957

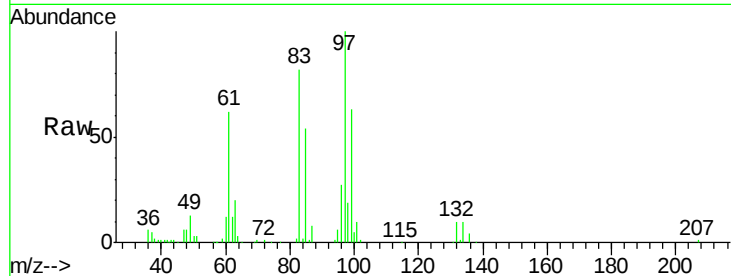
Ion Ratio Lower Upper

97 100

83 81.8 68.1 102.1

85 54.2 43.6 65.4

99 62.8 51.2 76.8

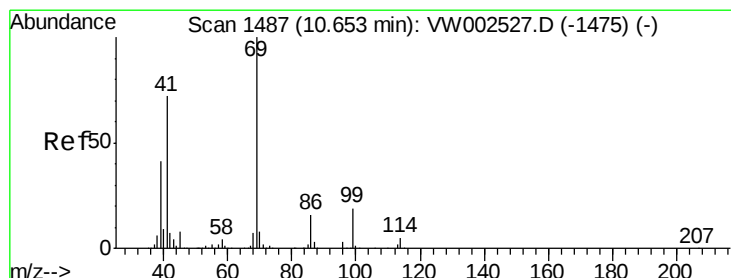
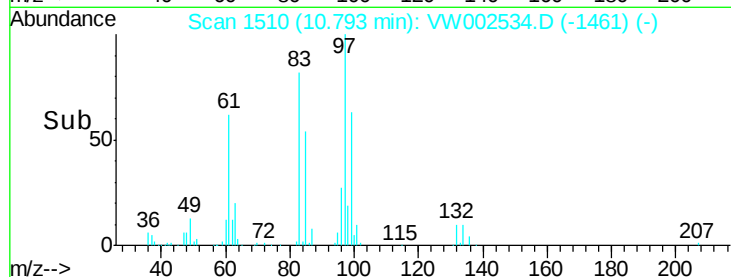
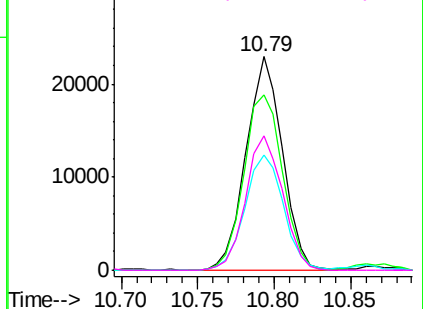


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 19.97 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

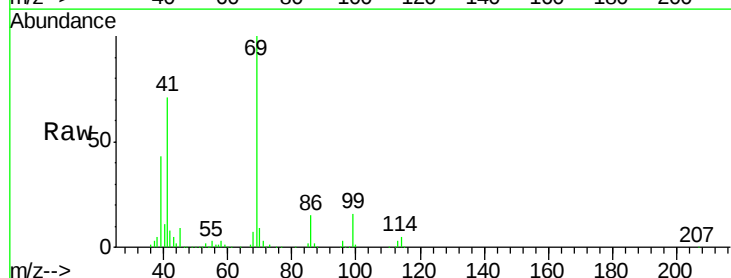
Tgt Ion: 69 Resp: 47849

Ion Ratio Lower Upper

69 100

41 70.3 55.3 82.9

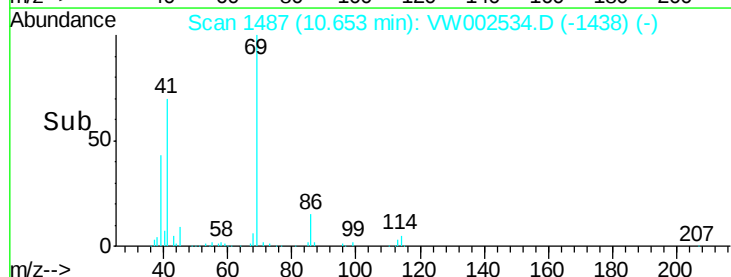
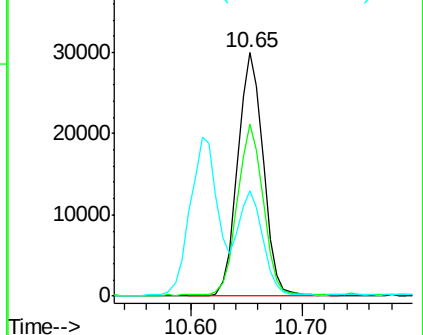
39 41.3 33.0 49.6

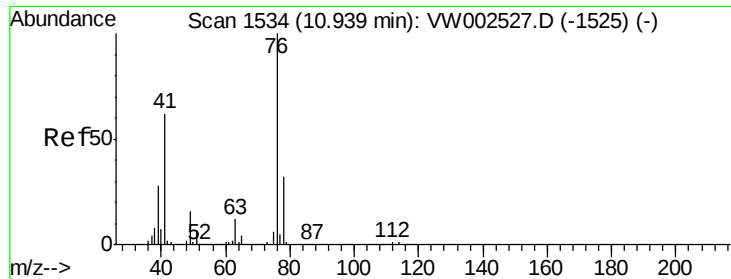


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

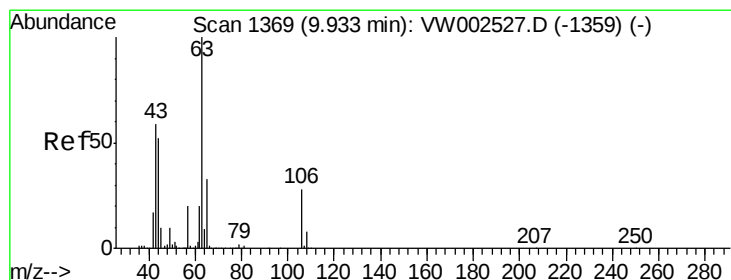
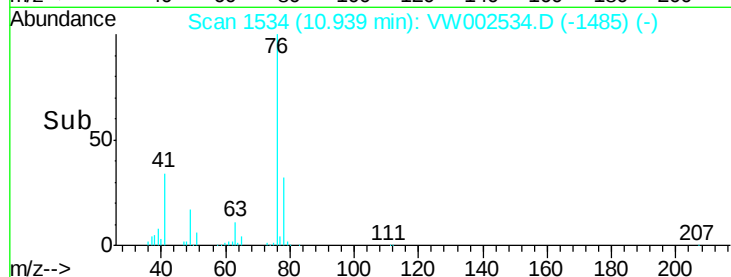
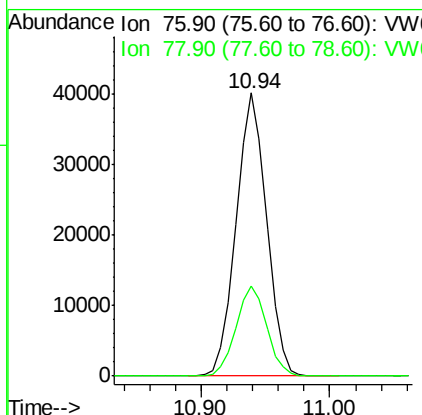
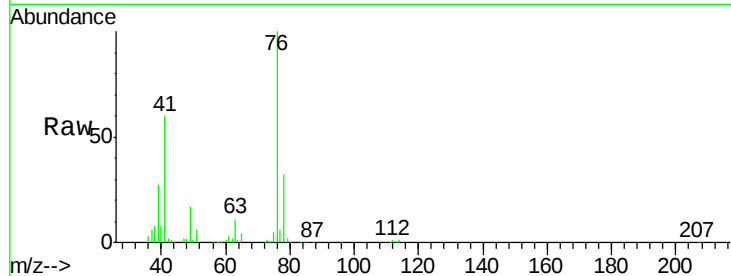




#57
 1,3-Dichloropropane
 Concen: 20.20 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

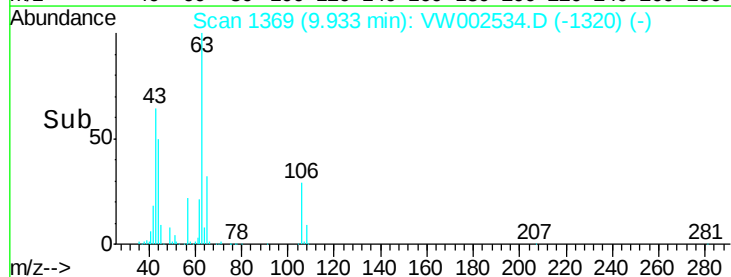
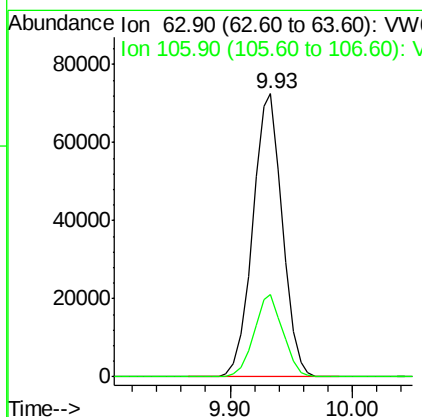
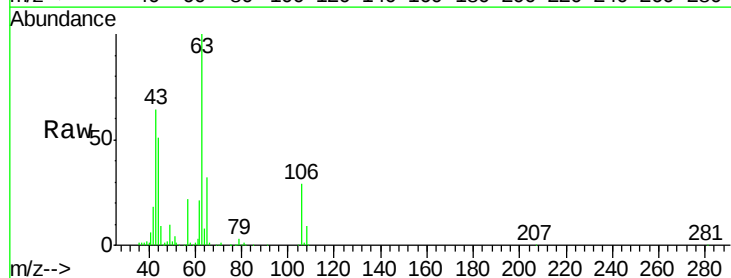
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBSD01

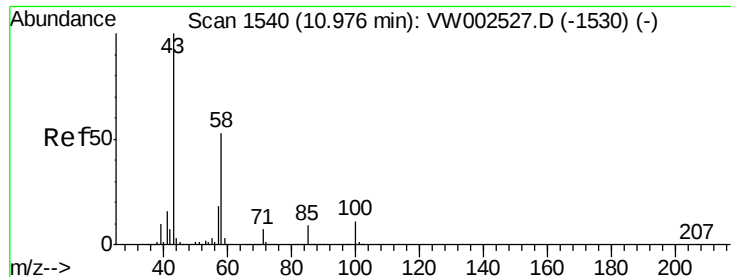
Tgt Ion: 76 Resp: 65861
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.98 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

Tgt Ion: 63 Resp: 122283
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.9 34.3

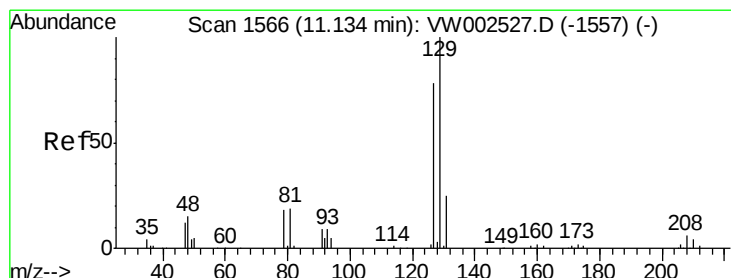
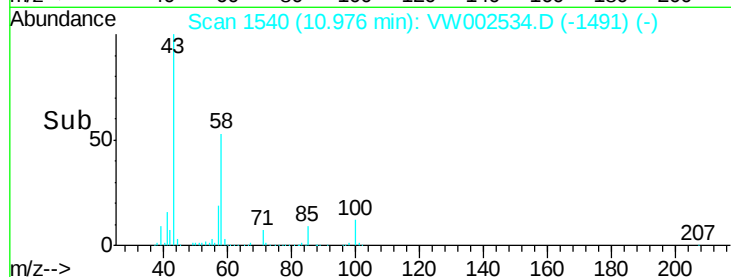
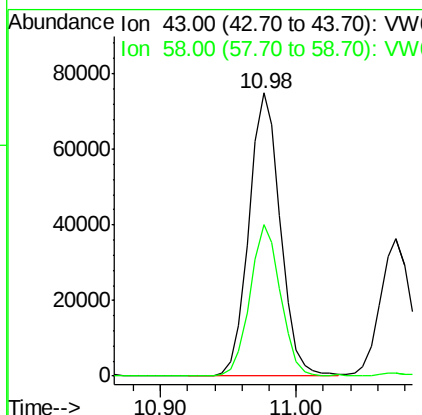
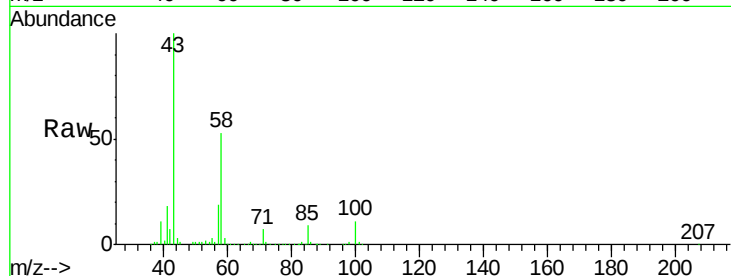




#59
2-Hexanone
Concen: 99.81 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

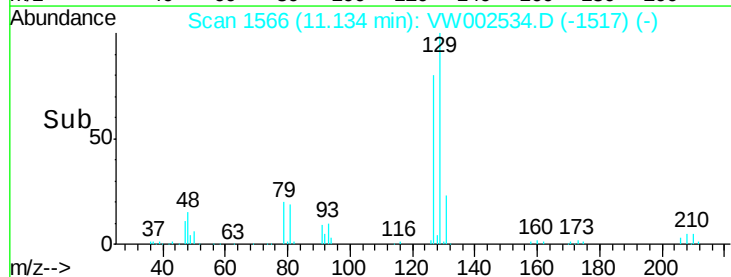
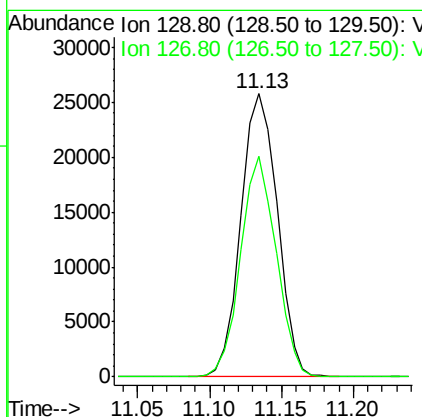
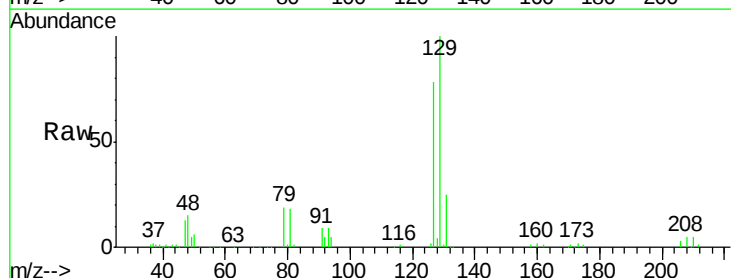
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBSD01

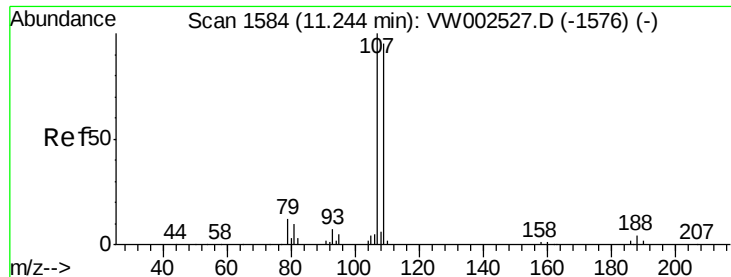
Tgt Ion: 43 Resp: 120953
Ion Ratio Lower Upper
43 100
58 52.4 26.3 78.8



#60
Dibromochloromethane
Concen: 19.54 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

Tgt Ion: 129 Resp: 45333
Ion Ratio Lower Upper
129 100
127 75.7 38.6 115.7

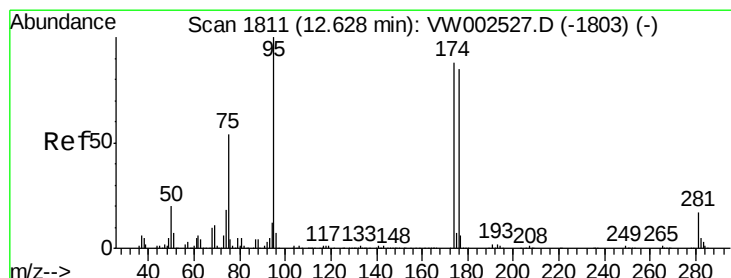
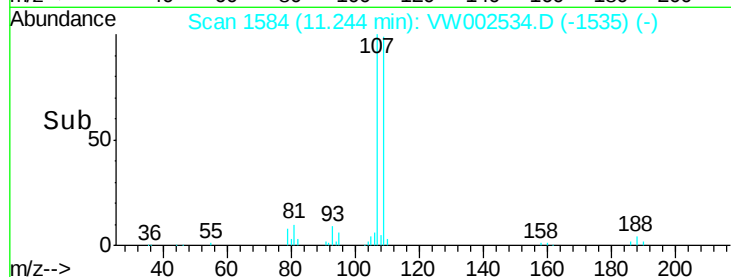
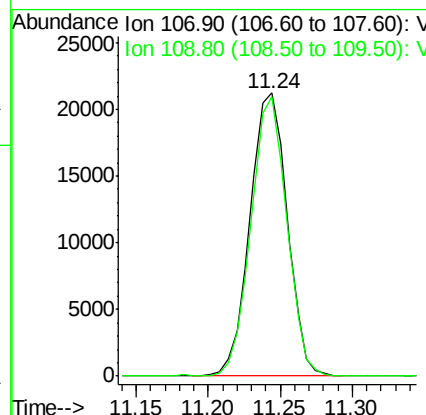
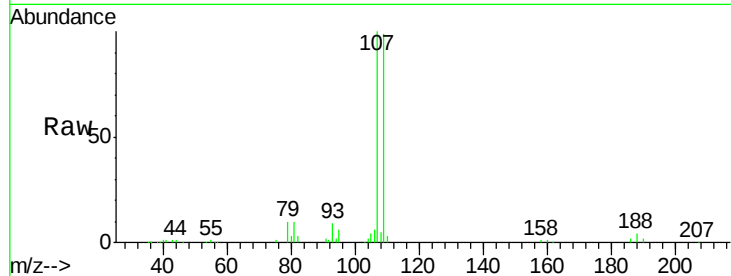




#61
 1,2-Dibromoethane
 Concen: 19.98 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

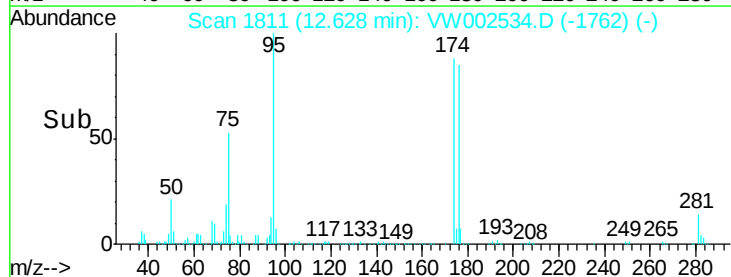
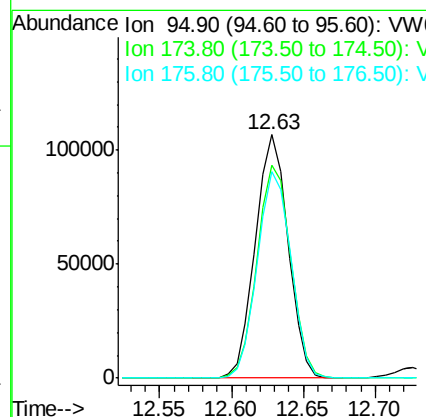
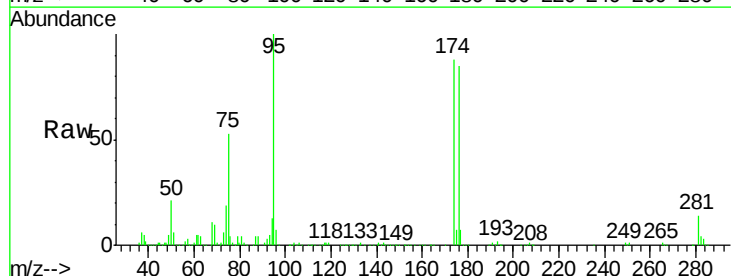
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBSD01

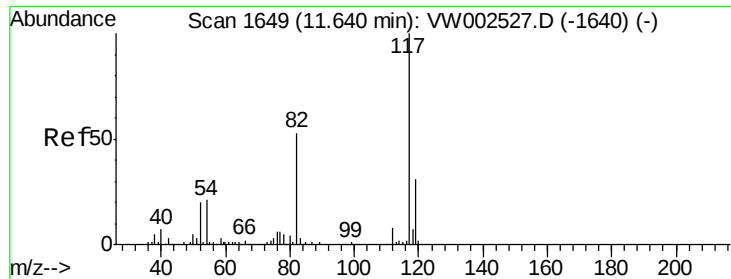
Tgt Ion: 107 Resp: 37915
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 49.99 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

Tgt Ion: 95 Resp: 167554
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 176.6
 176 87.0 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: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBSD01

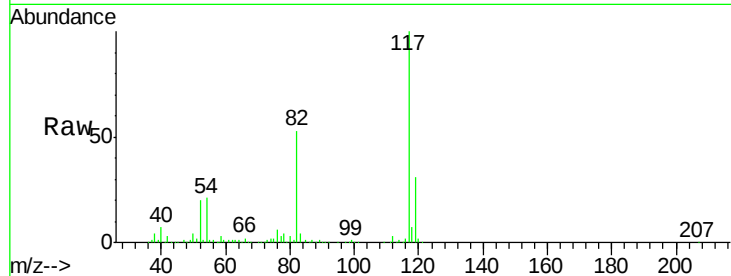
Tgt Ion:117 Resp: 352452

Ion Ratio Lower Upper

117 100

82 53.0 42.6 64.0

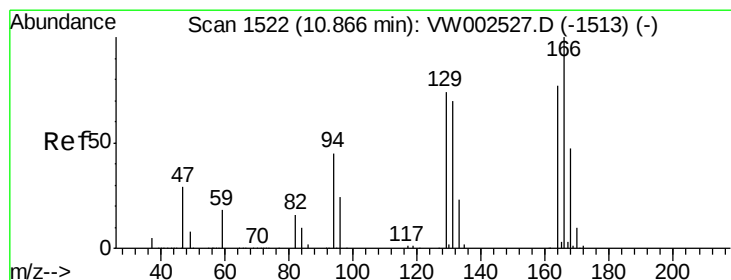
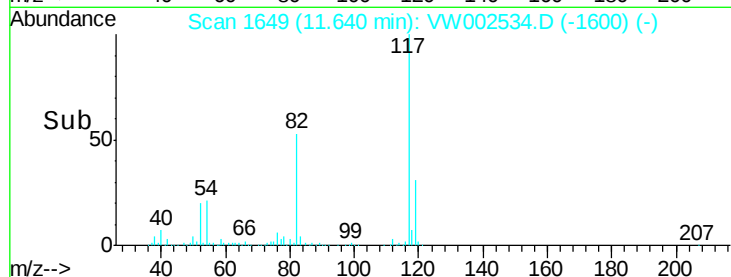
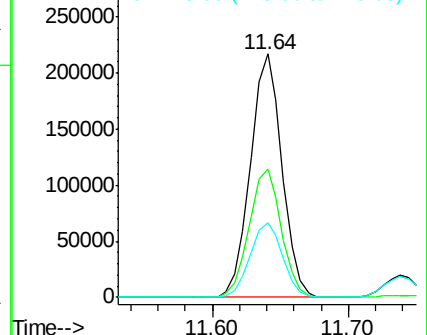
119 30.9 25.0 37.6



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: 21.59 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Tgt Ion:164 Resp: 53628

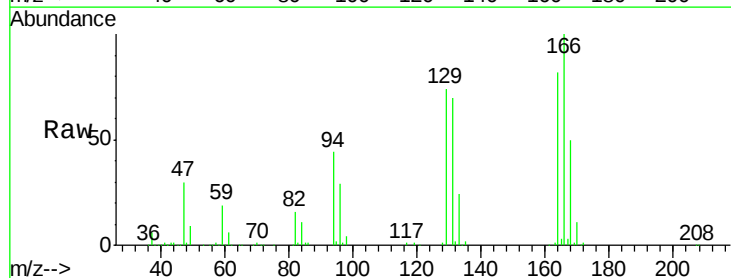
Ion Ratio Lower Upper

164 100

166 121.9 104.2 156.2

129 90.3 77.0 115.4

131 85.4 73.1 109.7

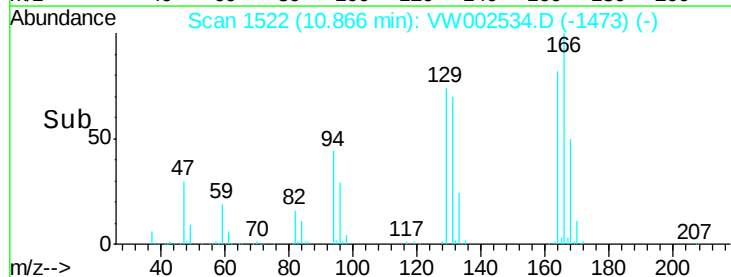
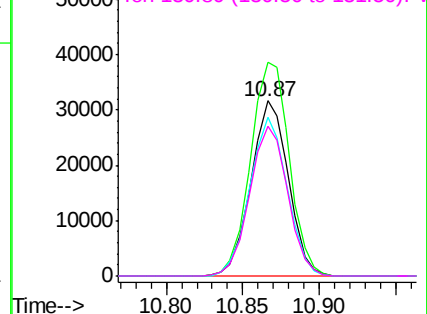


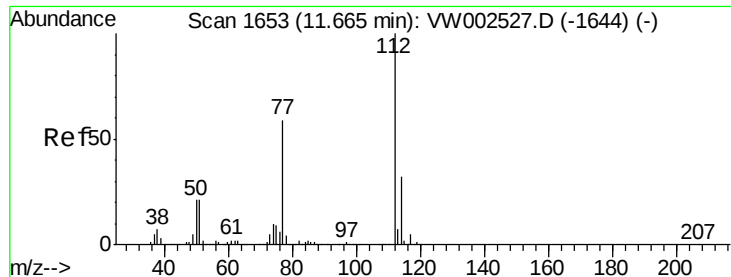
Abundance Ion 163.80 (163.50 to 164.50): V

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: 19.86 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

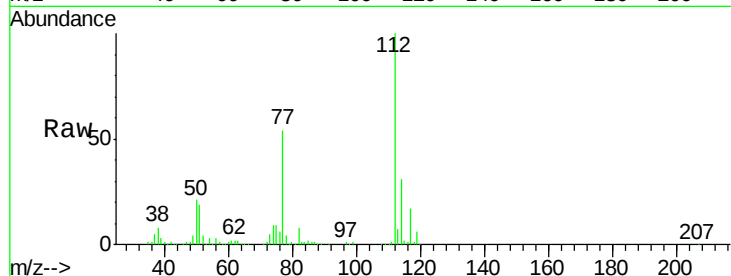
VW0515SBS01

Tgt Ion:112 Resp: 139413

Ion Ratio Lower Upper

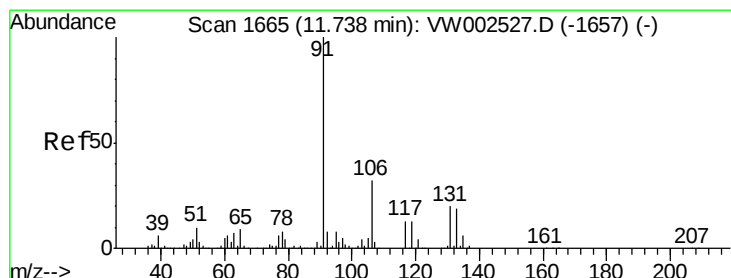
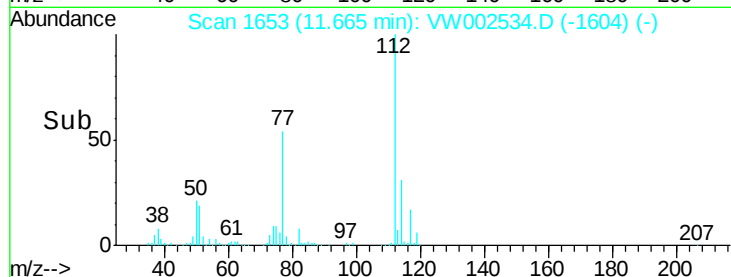
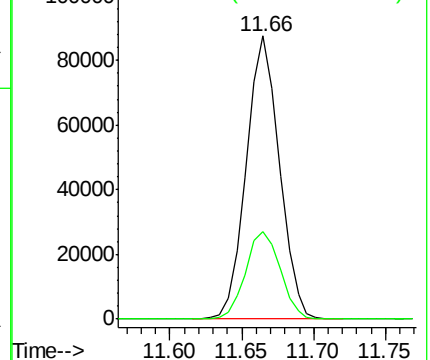
112 100

114 31.1 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: 19.49 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

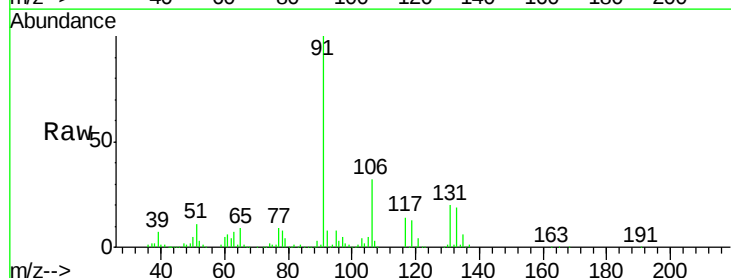
Tgt Ion:131 Resp: 48983

Ion Ratio Lower Upper

131 100

133 96.2 48.4 145.3

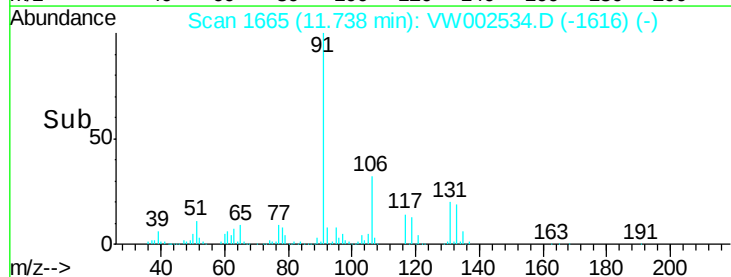
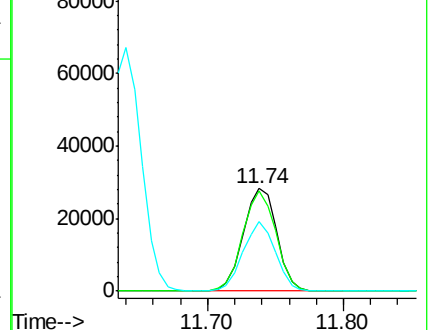
119 65.1 32.2 96.6

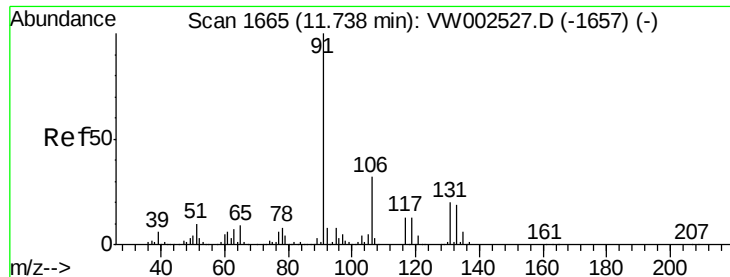


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

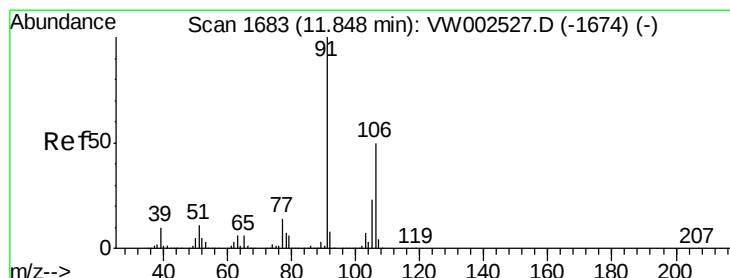
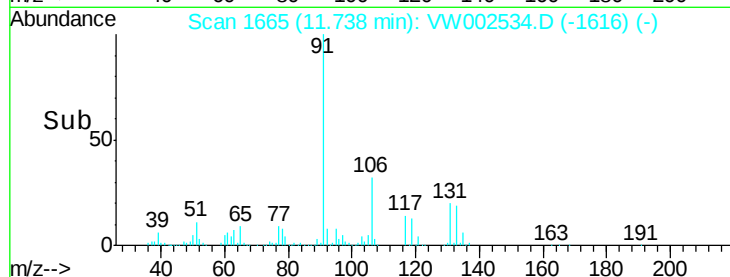
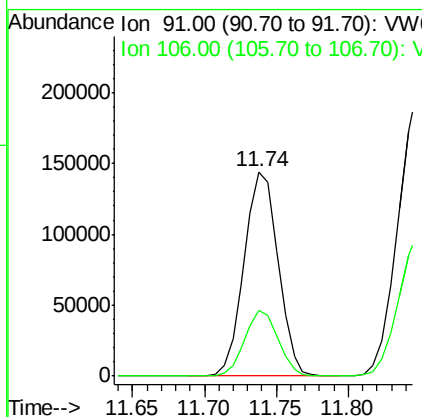
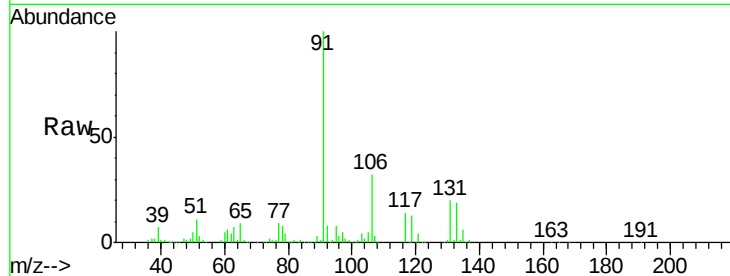




#67
Ethyl Benzene
Concen: 19.69 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

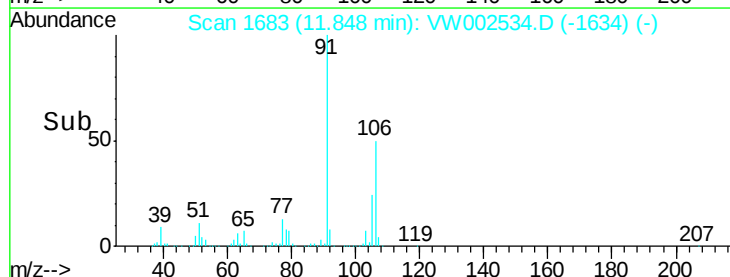
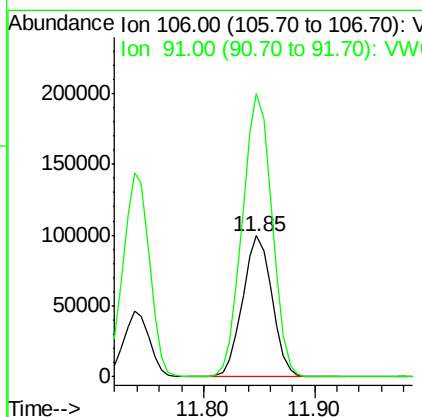
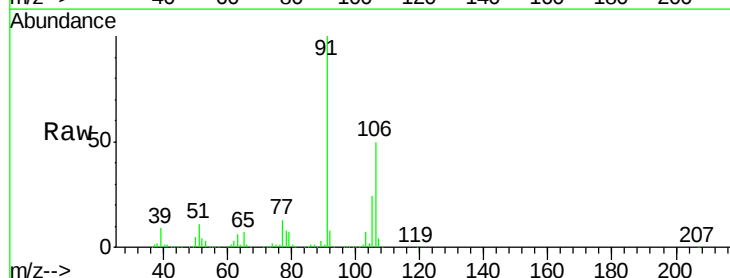
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBSD01

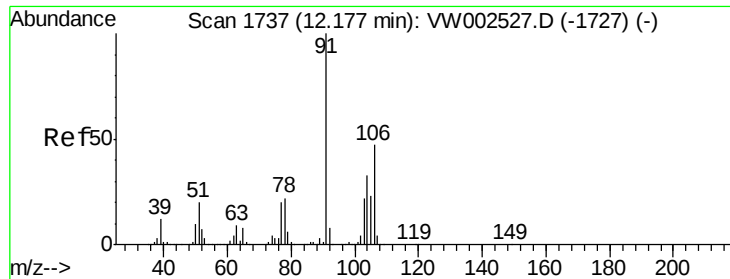
Tgt Ion: 91 Resp: 234962
Ion Ratio Lower Upper
91 100
106 32.3 25.4 38.0



#68
m/p-Xylenes
Concen: 39.20 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

Tgt Ion: 106 Resp: 181849
Ion Ratio Lower Upper
106 100
91 203.1 161.4 242.2

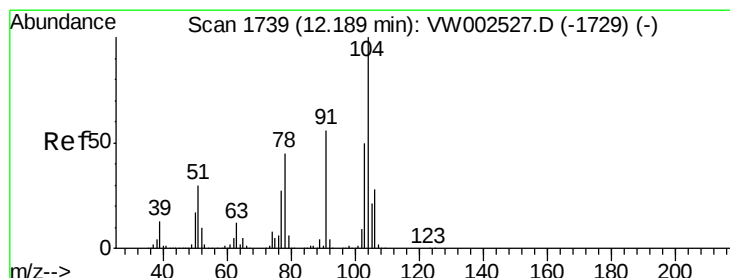
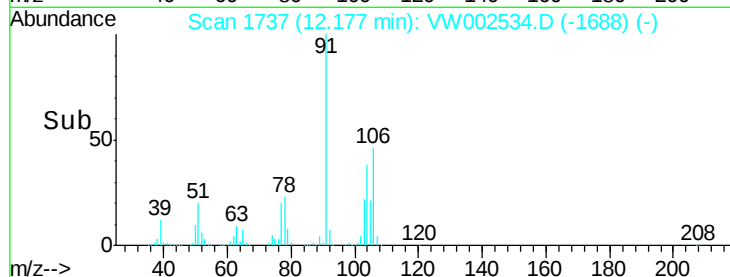
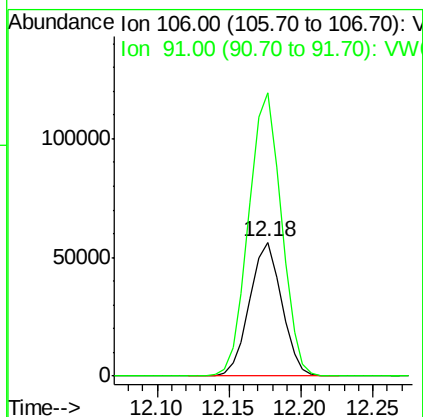
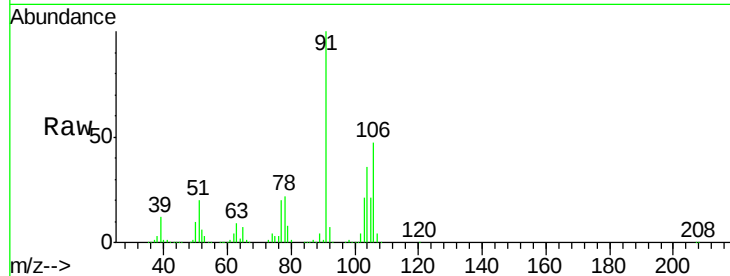




#69
o-Xylene
Concen: 19.78 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

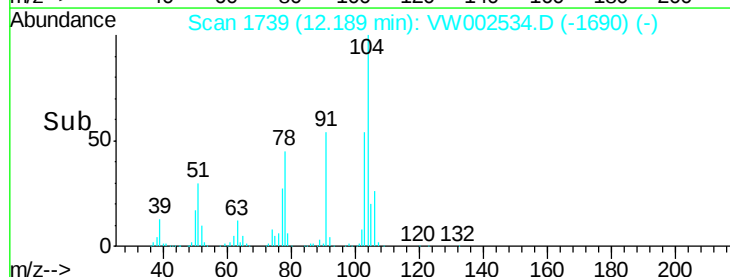
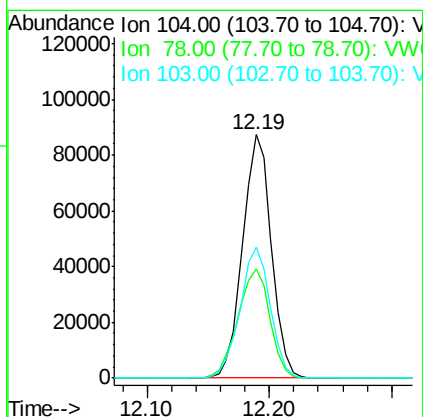
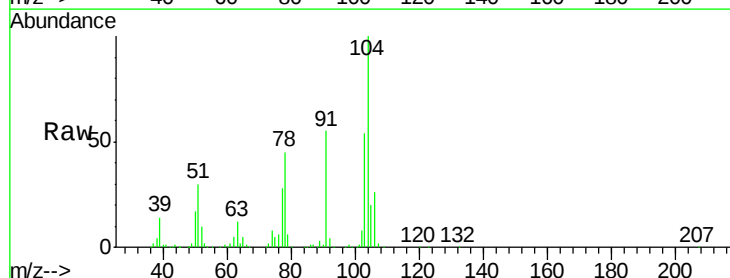
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBSD01

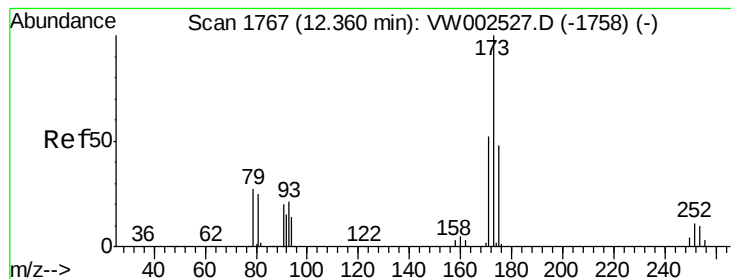
Tgt Ion:106 Resp: 87172
Ion Ratio Lower Upper
106 100
91 215.6 106.7 320.2



#70
Styrene
Concen: 19.42 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

Tgt Ion:104 Resp: 142479
Ion Ratio Lower Upper
104 100
78 50.0 40.1 60.1
103 56.7 44.6 66.8





#71

Bromoform

Concen: 19.24 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBSD01

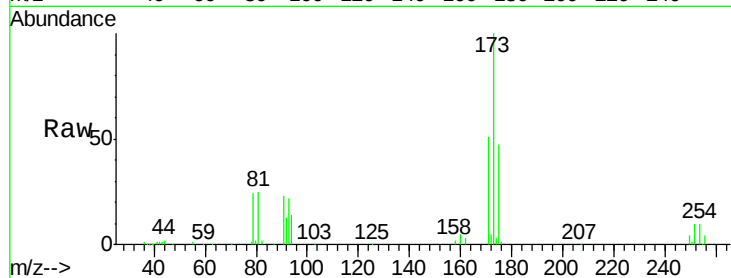
Tgt Ion:173 Resp: 28412

Ion Ratio Lower Upper

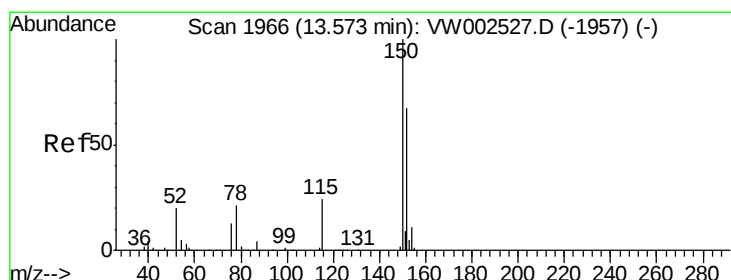
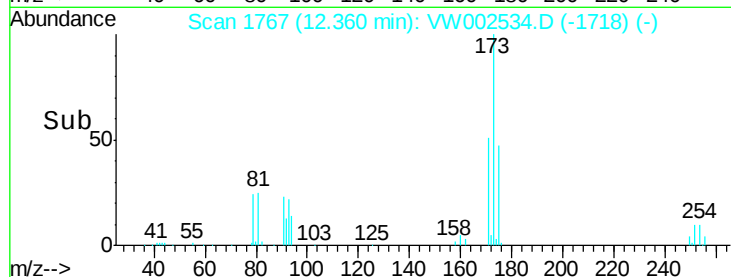
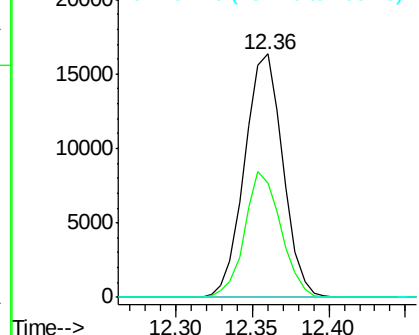
173 100

175 48.9 24.5 73.5

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

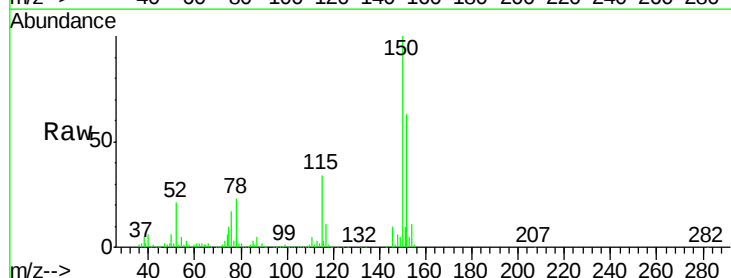
Tgt Ion:152 Resp: 188516

Ion Ratio Lower Upper

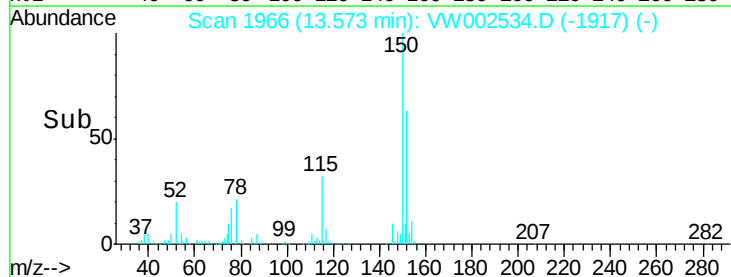
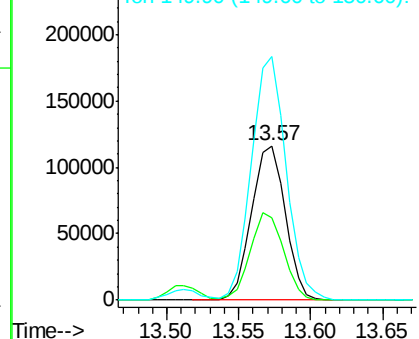
152 100

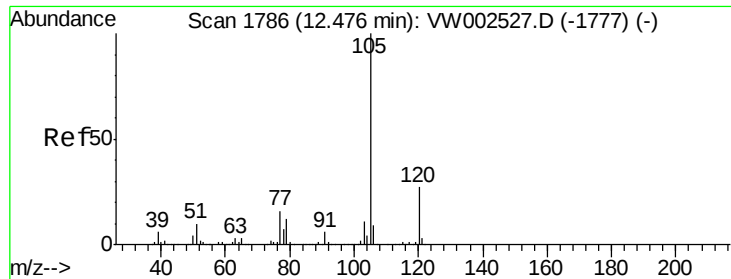
115 55.8 28.0 84.0

150 161.9 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: 20.39 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

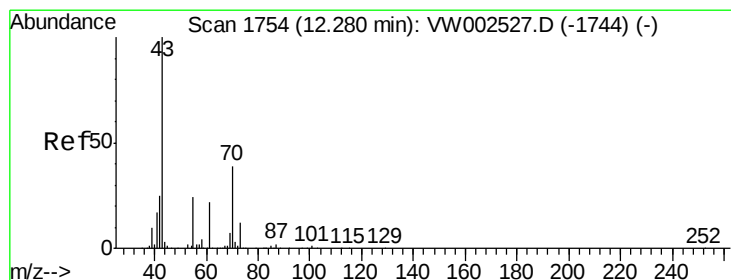
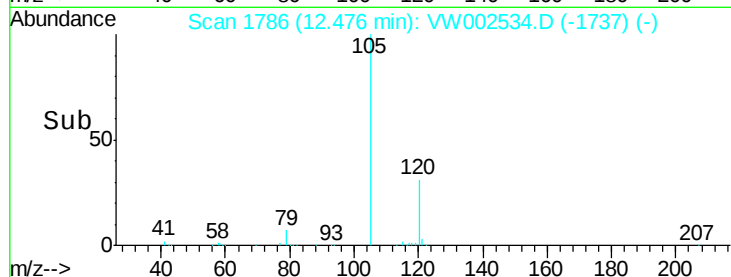
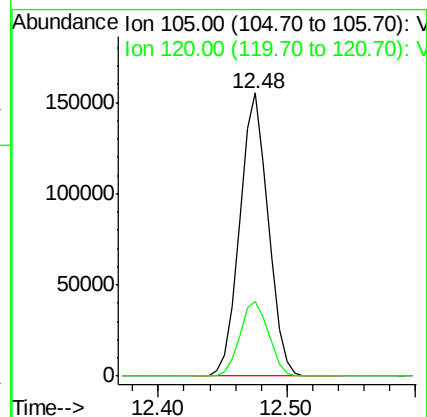
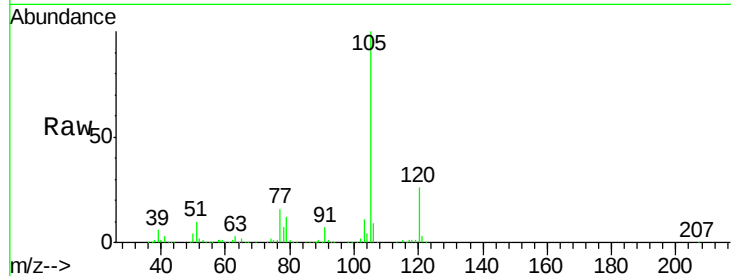
VW0515SBSD01

Tgt Ion:105 Resp: 236968

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 20.67 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Tgt Ion: 43 Resp: 61197

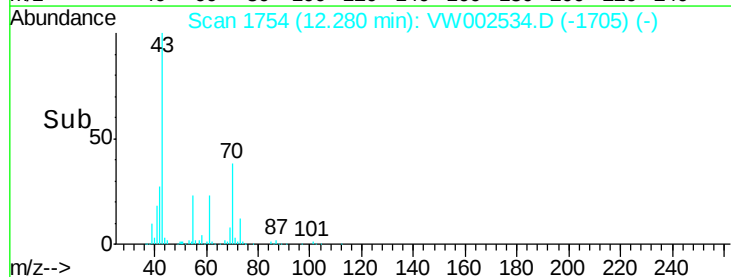
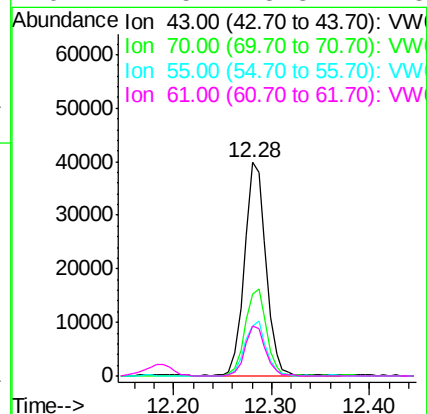
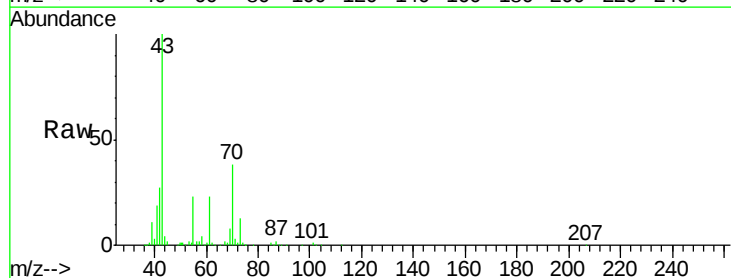
Ion Ratio Lower Upper

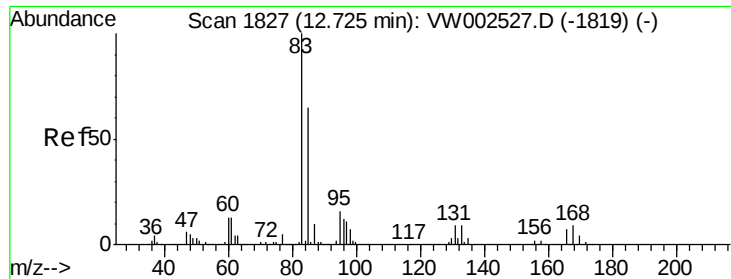
43 100

70 40.6 31.9 47.9

55 25.1 19.4 29.0

61 22.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.26 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBSD01

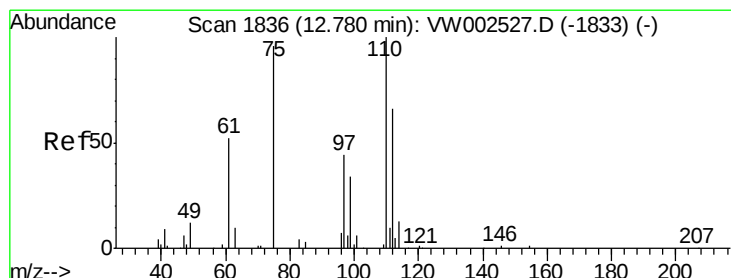
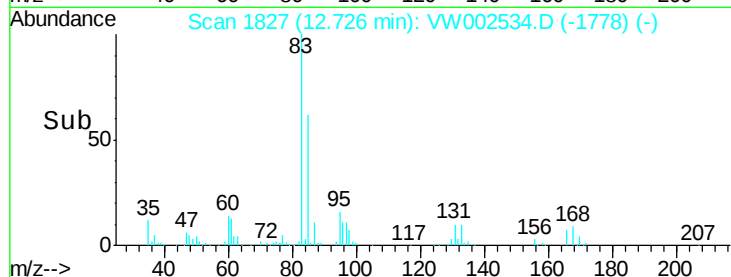
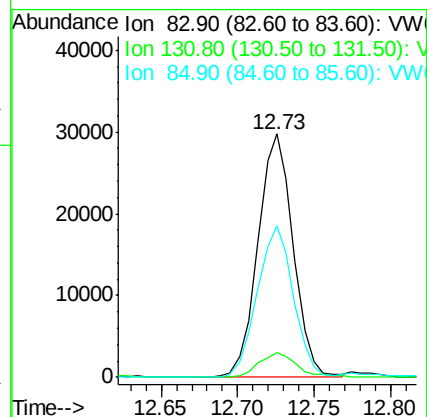
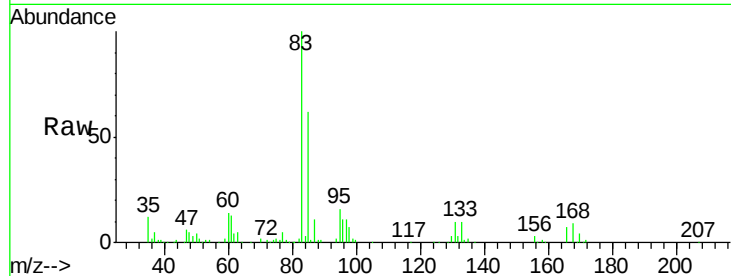
Tgt Ion: 83 Resp: 47695

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

85 64.0 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 33.14 ug/l

RT: 12.78 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VW002534.D

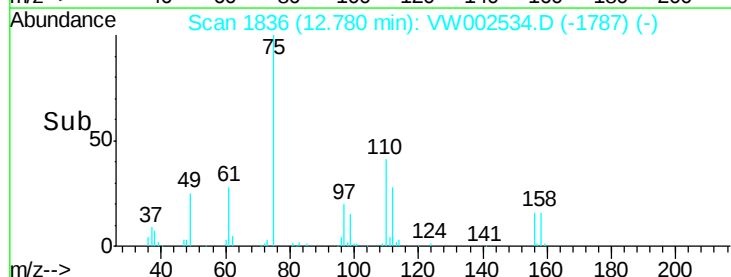
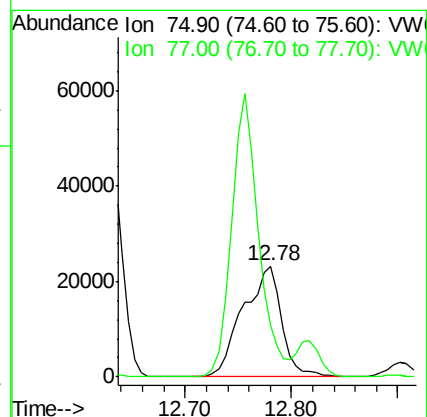
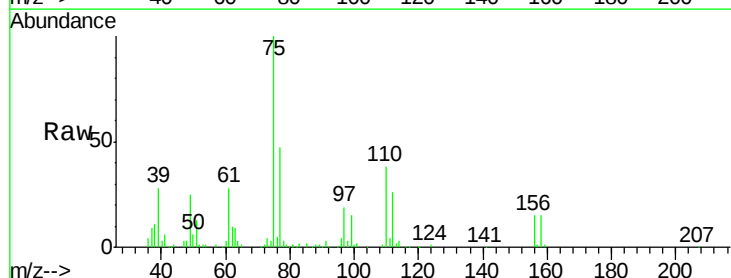
Acq: 15 May 2018 01:51

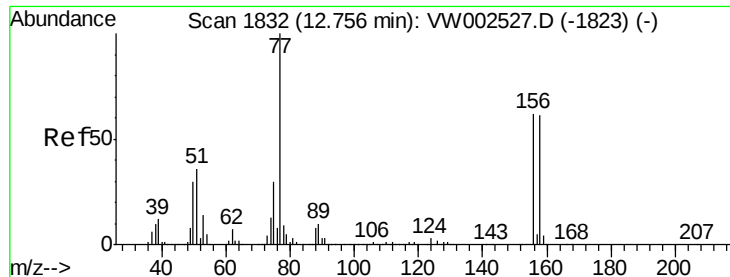
Tgt Ion: 75 Resp: 59056

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.13 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBSD01

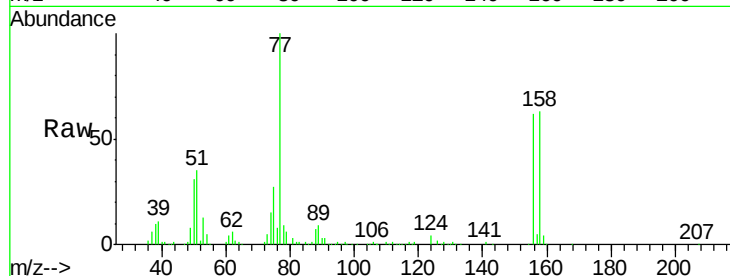
Tgt Ion:156 Resp: 59679

Ion Ratio Lower Upper

156 100

77 177.9 89.8 269.4

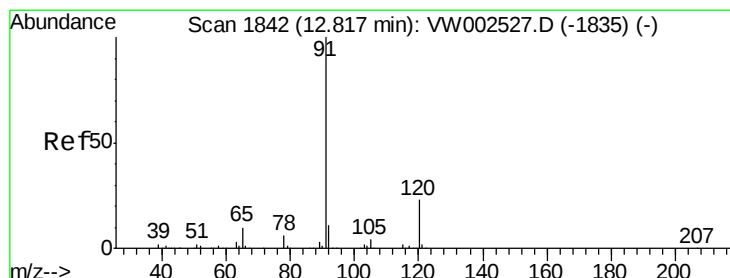
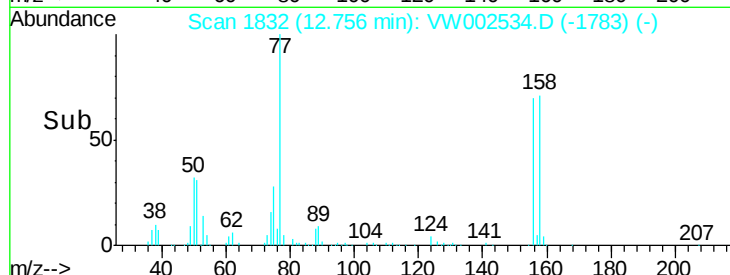
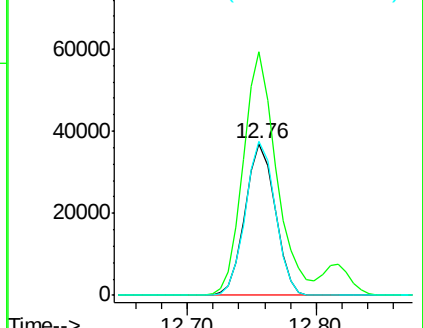
158 100.2 48.8 146.3



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: 20.44 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VW002534.D

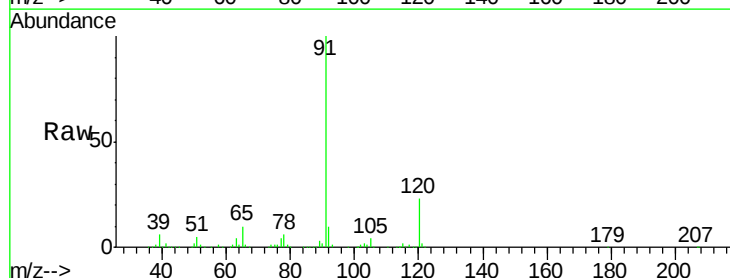
Acq: 15 May 2018 01:51

Tgt Ion: 91 Resp: 286860

Ion Ratio Lower Upper

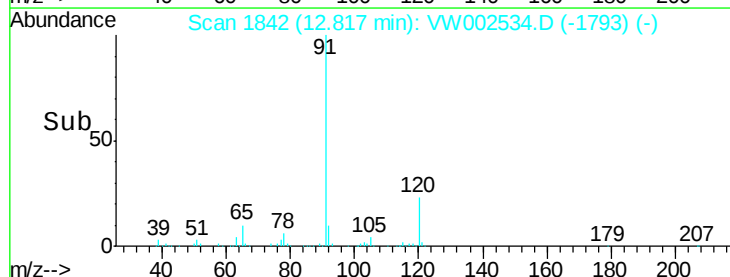
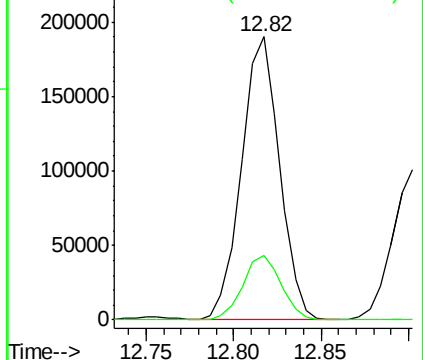
91 100

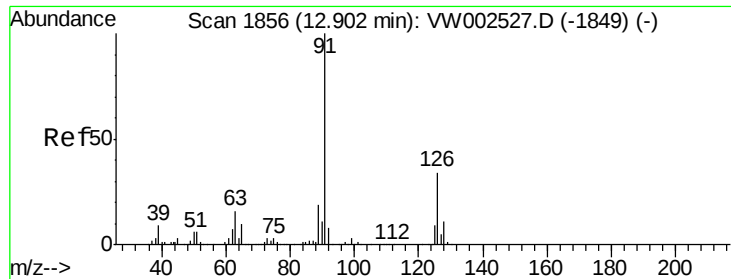
120 22.9 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.22 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

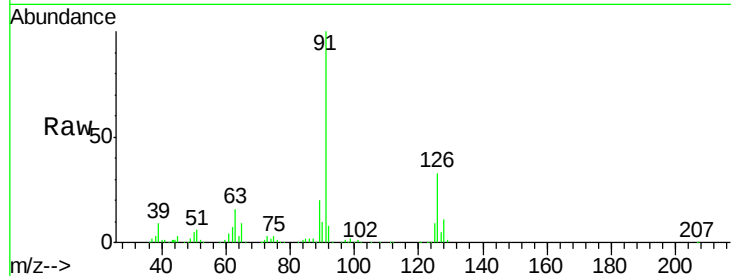
VW0515SBSD01

Tgt Ion: 91 Resp: 161140

Ion Ratio Lower Upper

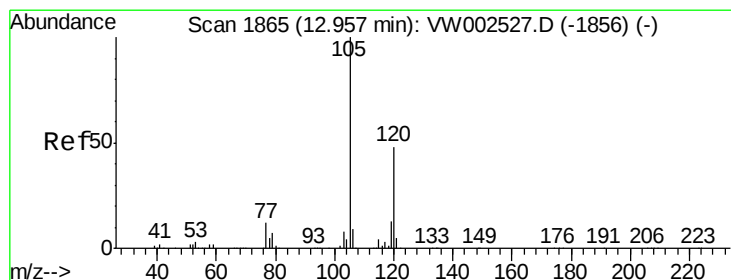
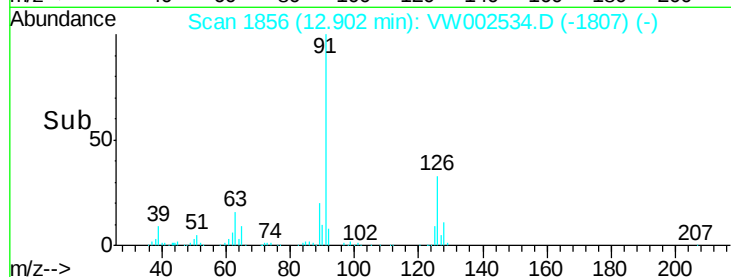
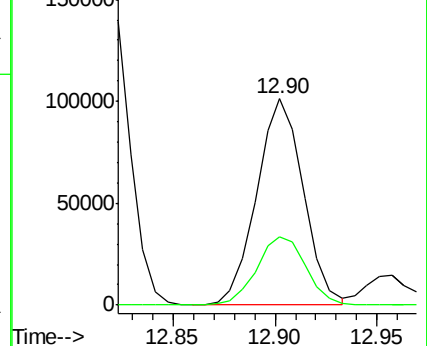
91 100

126 35.0 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: 20.38 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VW002534.D

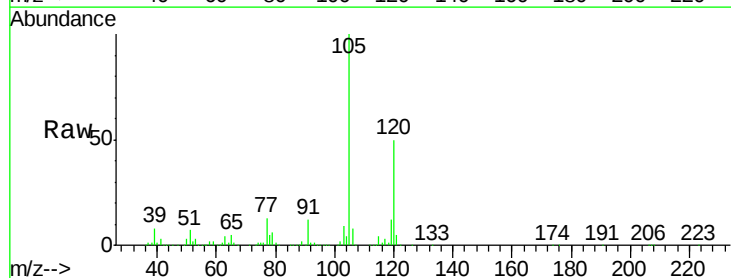
Acq: 15 May 2018 01:51

Tgt Ion: 105 Resp: 202067

Ion Ratio Lower Upper

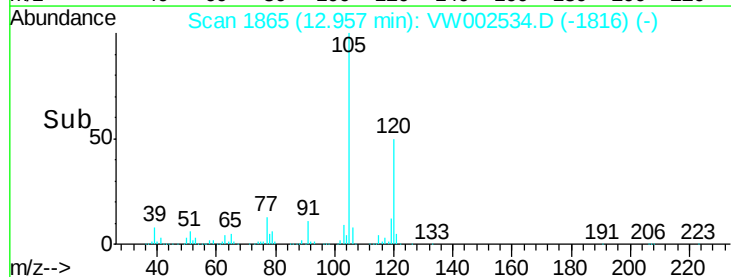
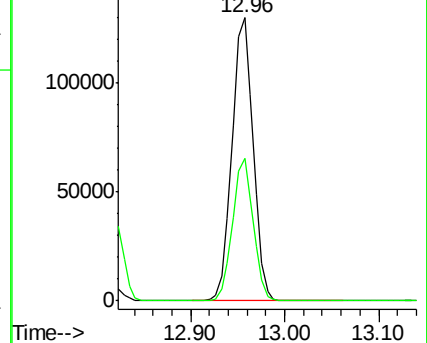
105 100

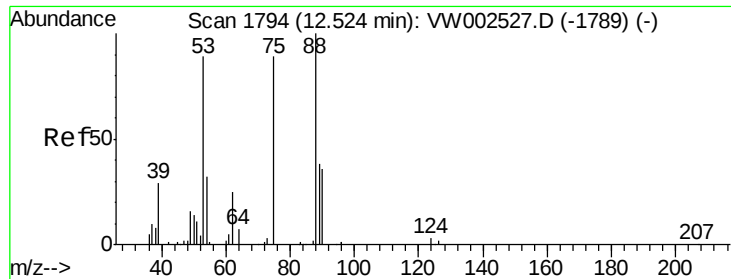
120 49.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

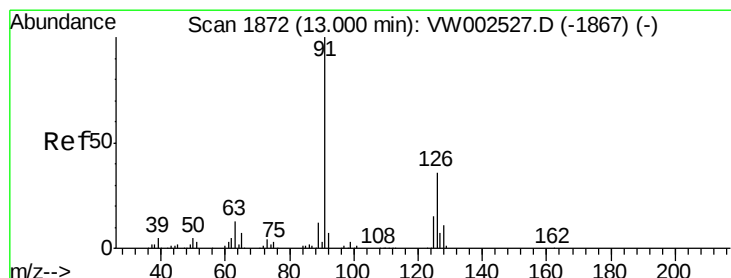
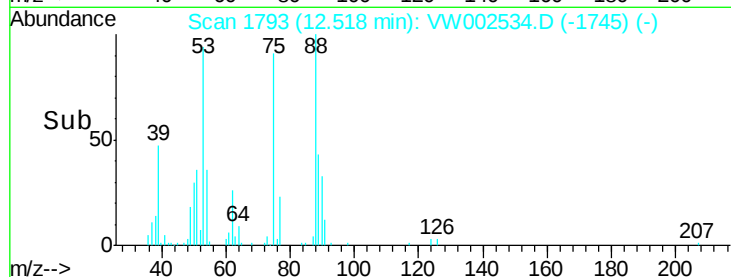
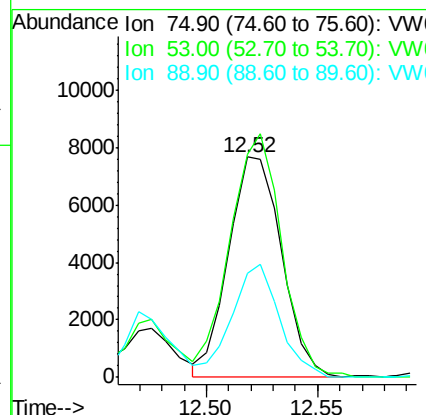
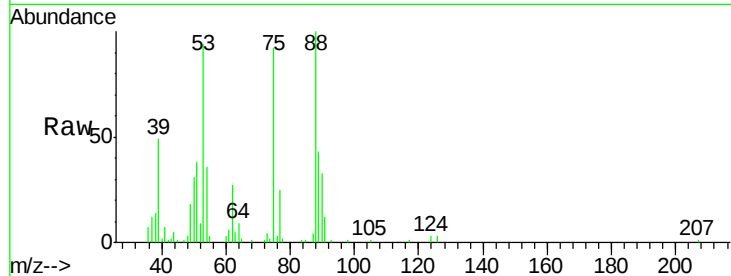




#81
trans-1,4-Dichloro-2-butene
Concen: 19.48 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.01 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

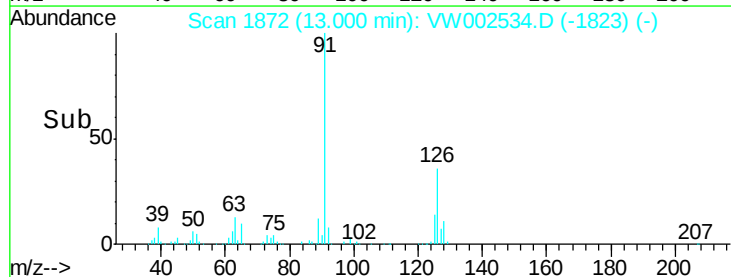
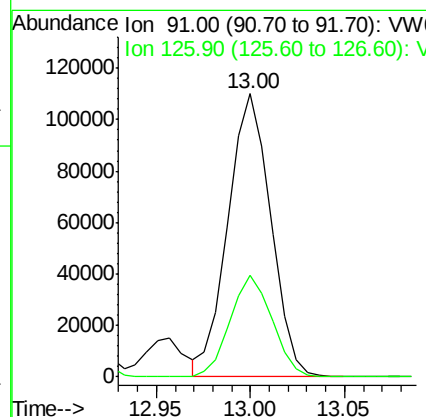
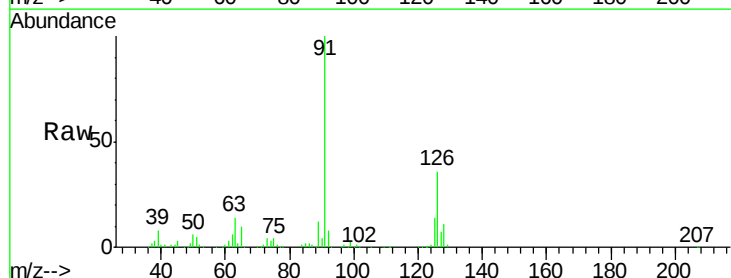
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBSD01

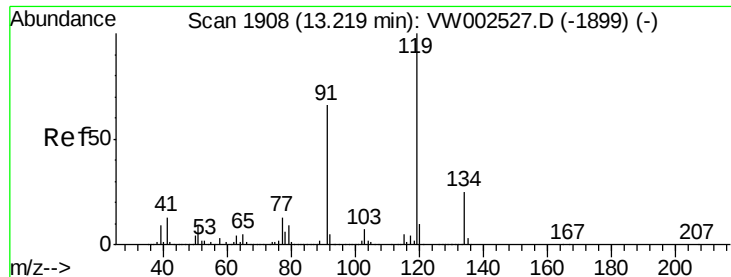
Tgt Ion: 75 Resp: 12734
Ion Ratio Lower Upper
75 100
53 107.8 82.6 124.0
89 46.4 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.02 ug/l
RT: 13.00 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

Tgt Ion: 91 Resp: 172559
Ion Ratio Lower Upper
91 100
126 35.5 17.5 52.5

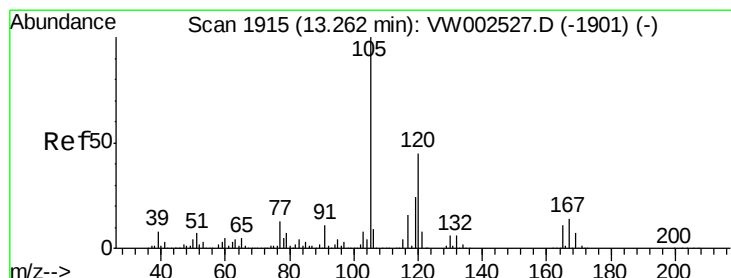
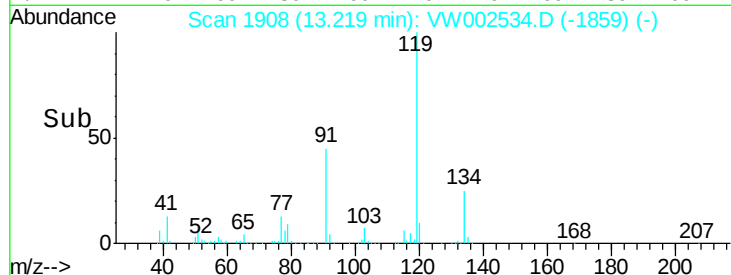
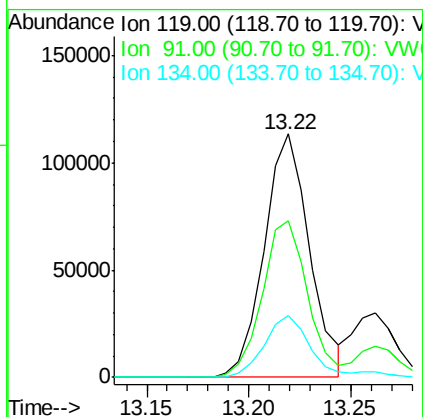
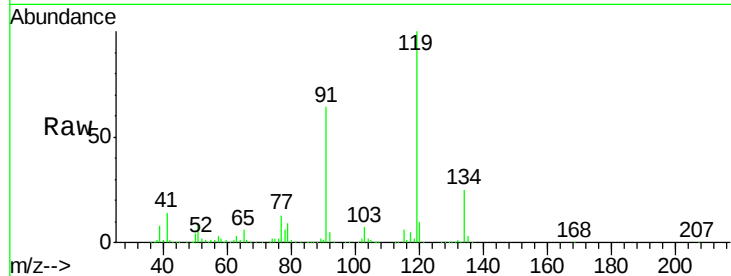




#83
tert-Butylbenzene
Concen: 20.52 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

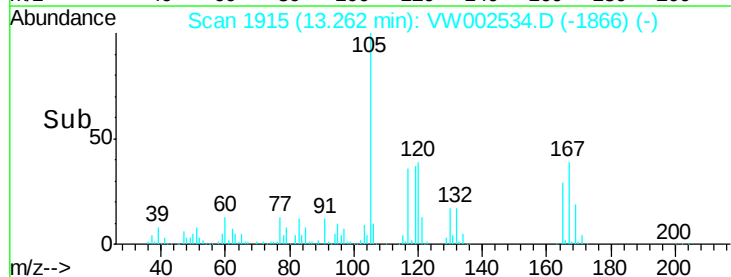
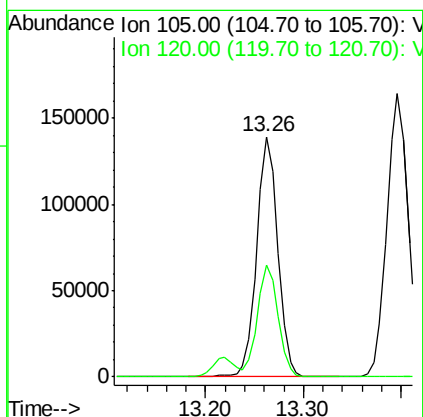
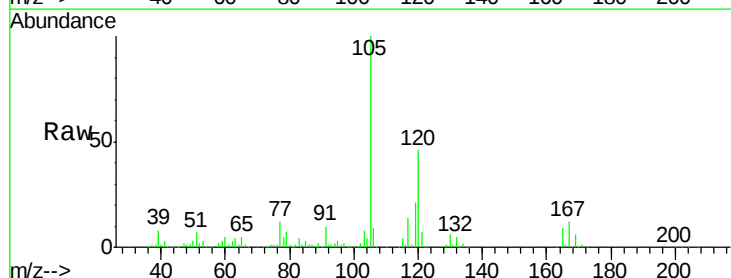
Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS01

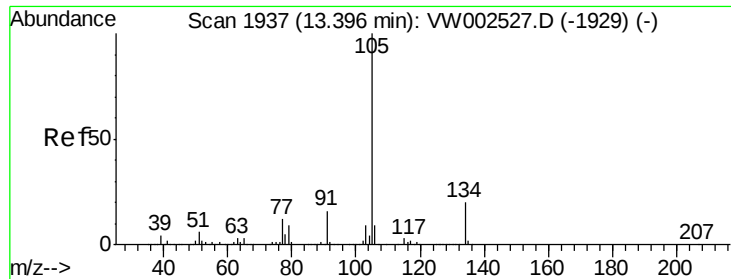
Tgt Ion:119 Resp: 175754
Ion Ratio Lower Upper
119 100
91 64.2 32.5 97.5
134 26.8 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 20.26 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW002534.D
Acq: 15 May 2018 01:51

Tgt Ion:105 Resp: 208612
Ion Ratio Lower Upper
105 100
120 45.6 22.3 66.9

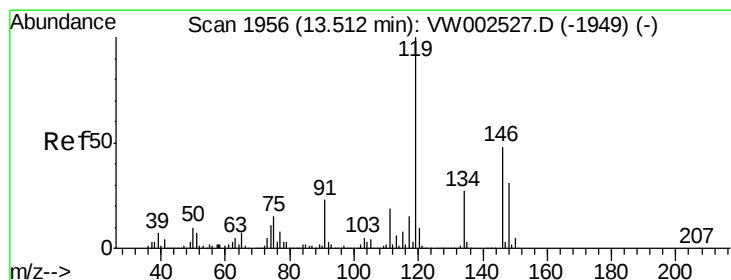
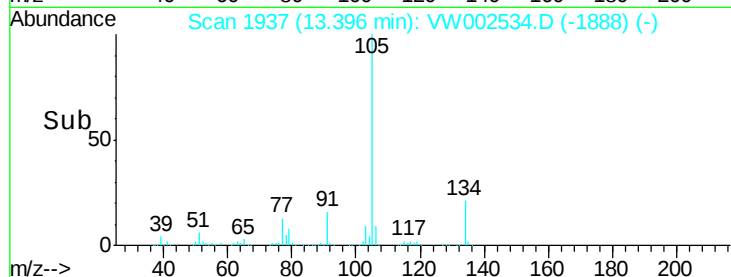
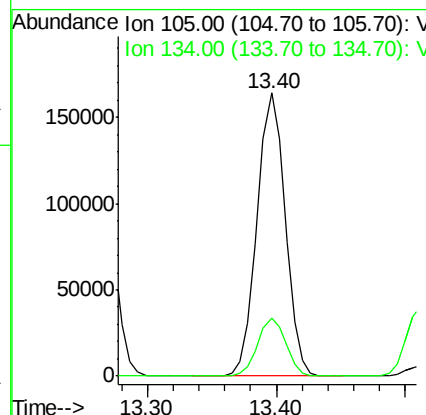
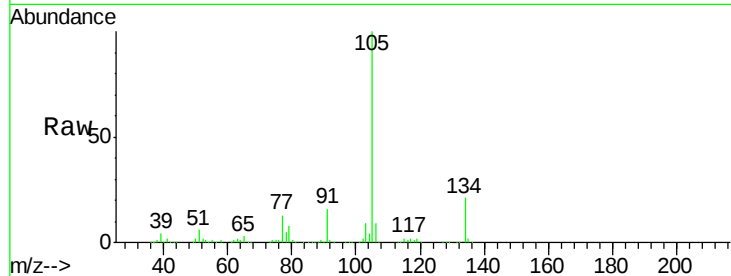




#85
 sec-Butylbenzene
 Concen: 20.16 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

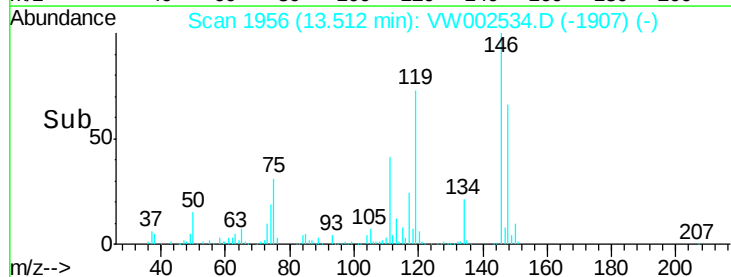
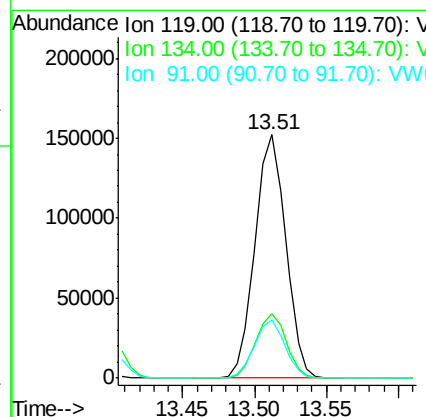
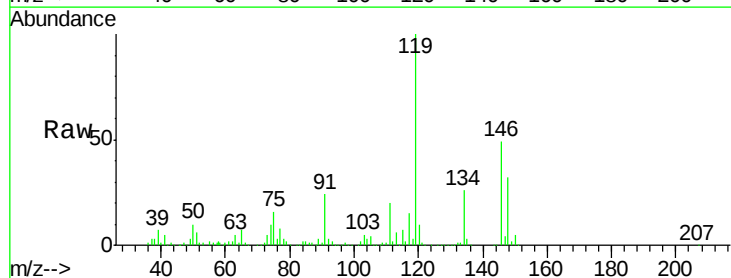
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBSD01

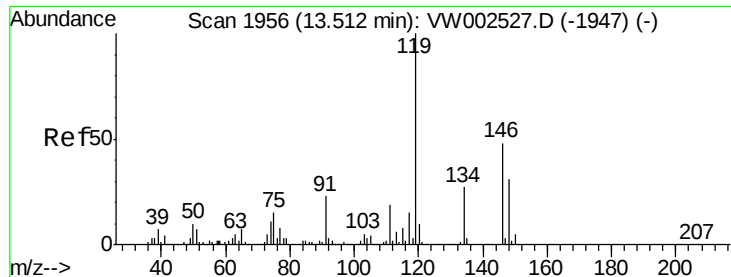
Tgt Ion:105 Resp: 248125
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 20.27 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

Tgt Ion:119 Resp: 224344
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.4 40.1
 91 23.6 11.6 34.8

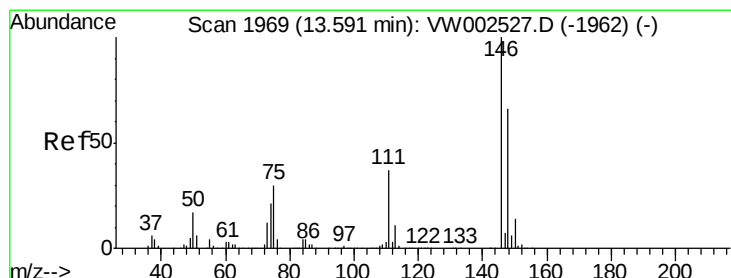
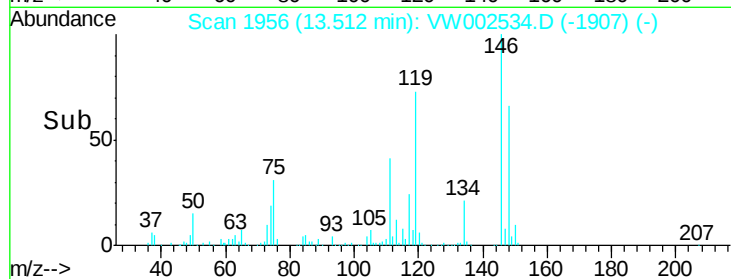
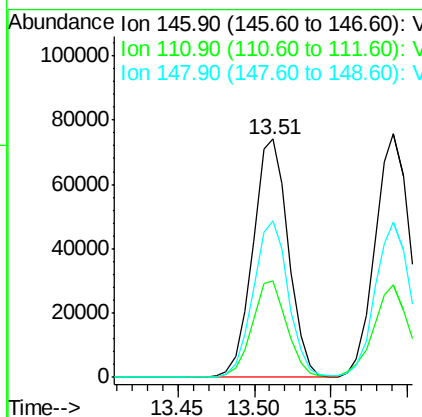
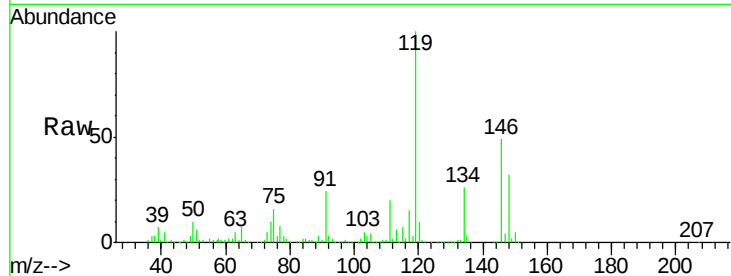




#87
 1,3-Dichlorobenzene
 Concen: 19.96 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

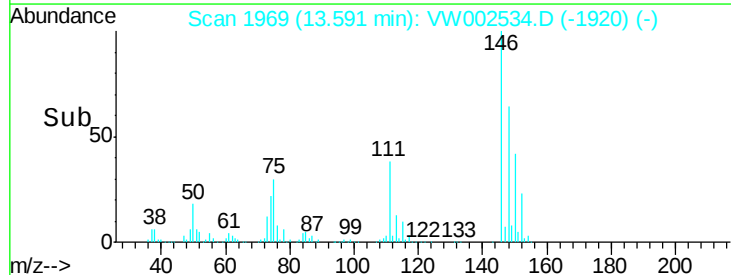
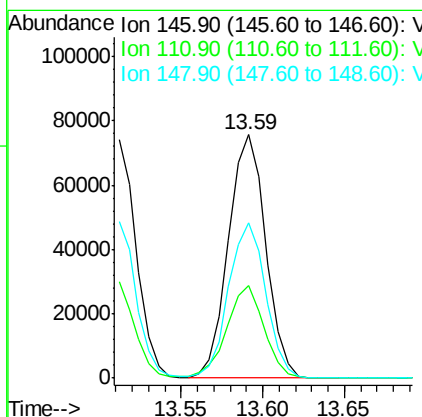
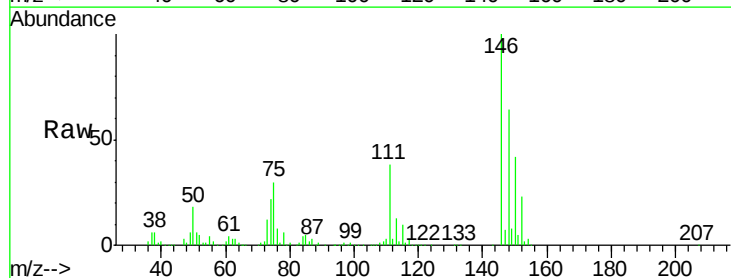
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBSD01

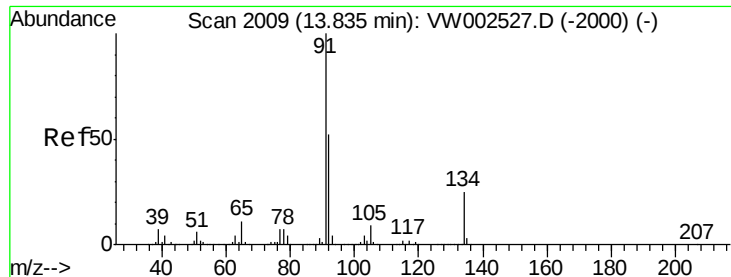
Tgt Ion:146 Resp: 119706
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.7
 148 65.1 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.16 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

Tgt Ion:146 Resp: 120268
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.9 56.5
 148 63.9 32.4 97.0





#89

n-Butylbenzene

Concen: 20.20 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBSD01

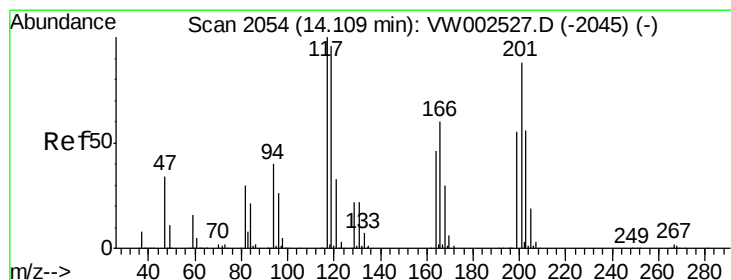
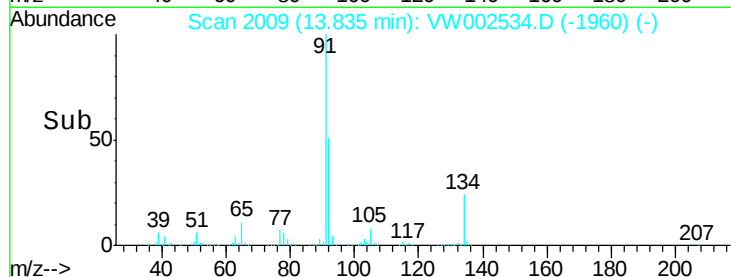
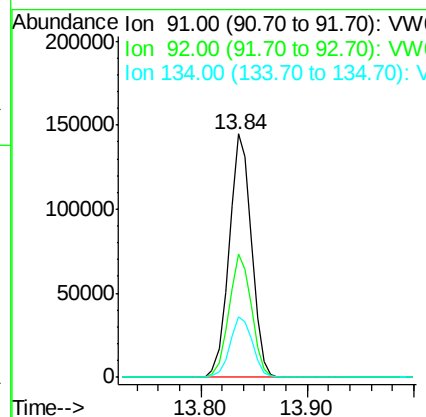
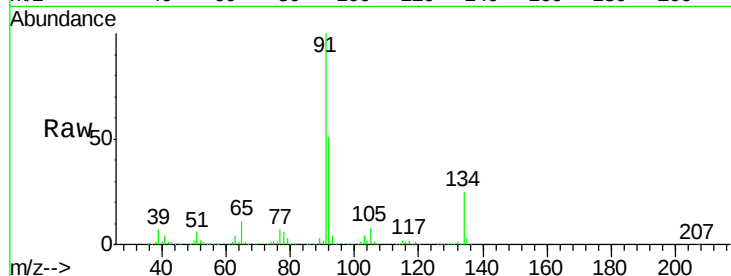
Tgt Ion: 91 Resp: 211517

Ion Ratio Lower Upper

91 100

92 51.2 26.1 78.2

134 25.3 13.1 39.1



#90

Hexachloroethane

Concen: 20.20 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.01 min

Lab File: VW002534.D

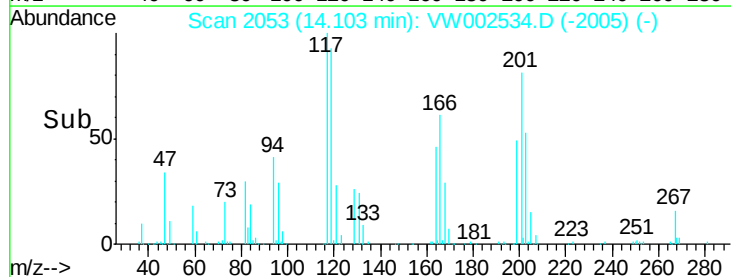
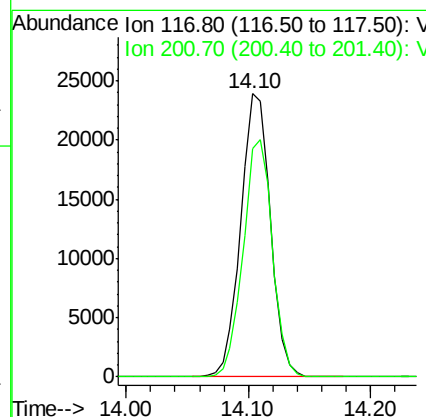
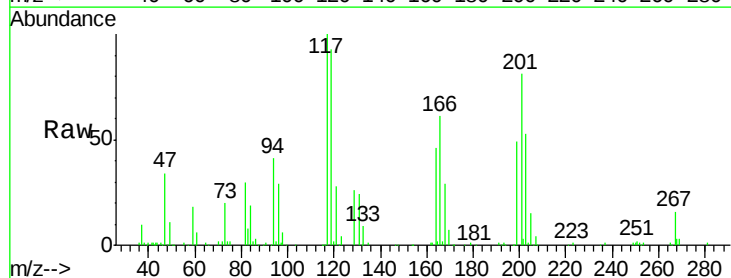
Acq: 15 May 2018 01:51

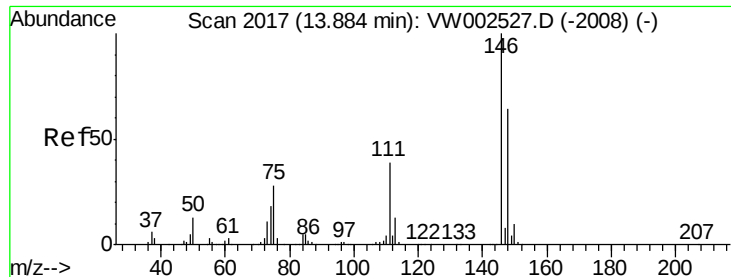
Tgt Ion: 117 Resp: 40039

Ion Ratio Lower Upper

117 100

201 82.7 42.0 126.0

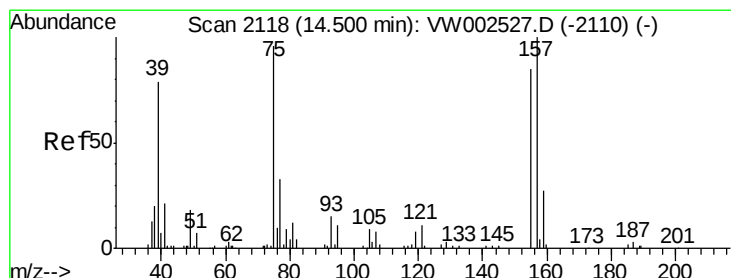
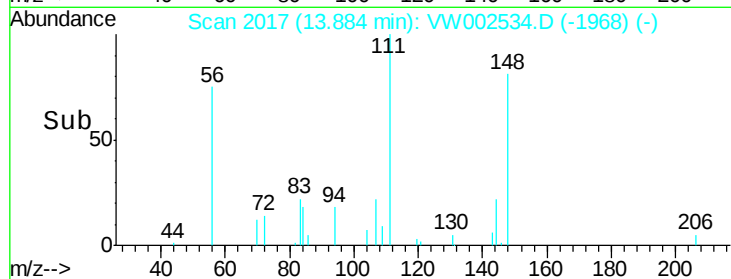
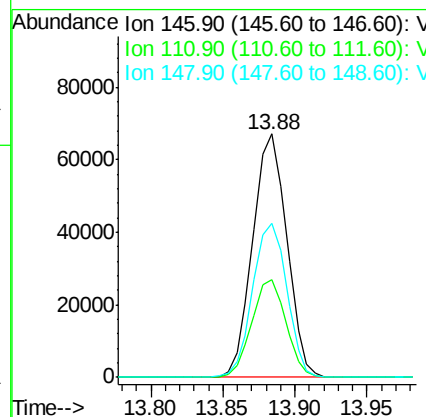
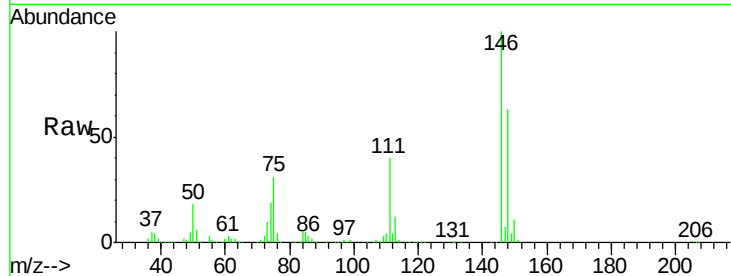




#91
 1,2-Dichlorobenzene
 Concen: 20.24 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

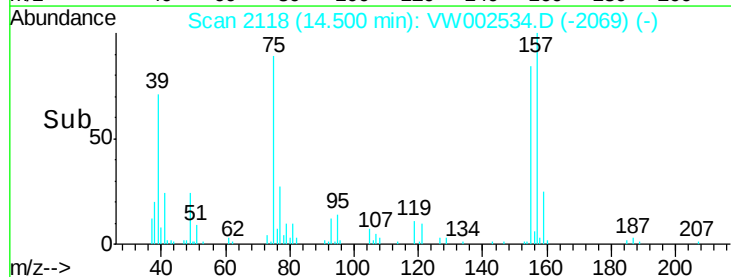
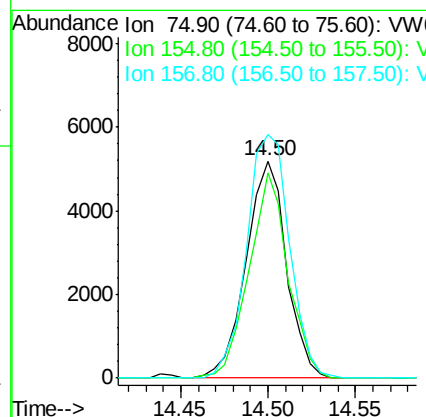
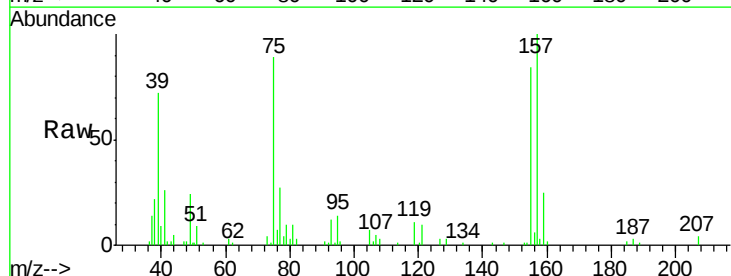
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBSD01

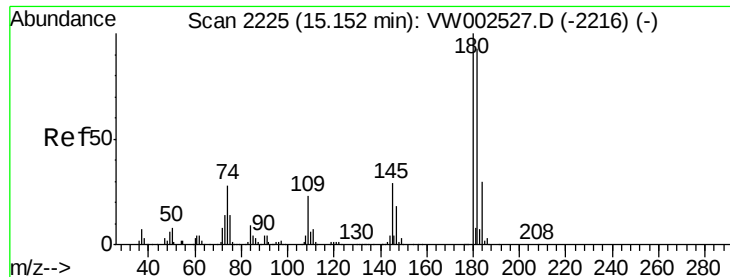
Tgt Ion:146 Resp: 110099
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.9 59.6
 148 63.4 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.05 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

Tgt Ion: 75 Resp: 8329
 Ion Ratio Lower Upper
 75 100
 155 90.9 42.8 128.4
 157 119.7 57.4 172.0

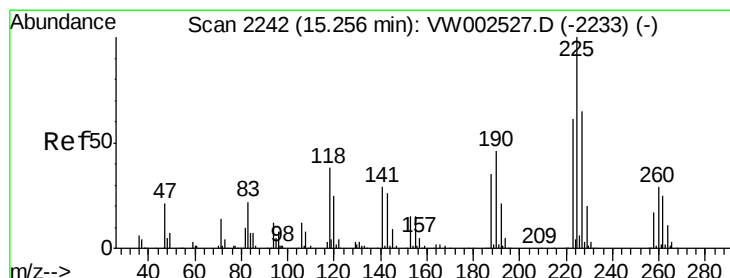
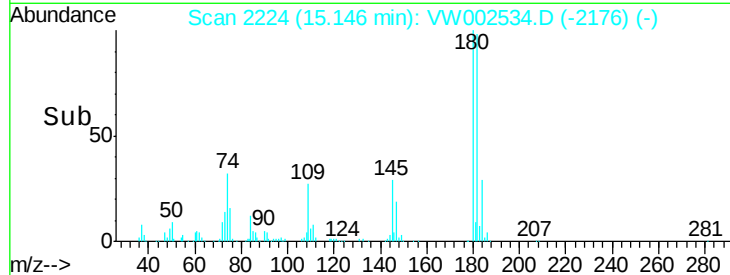
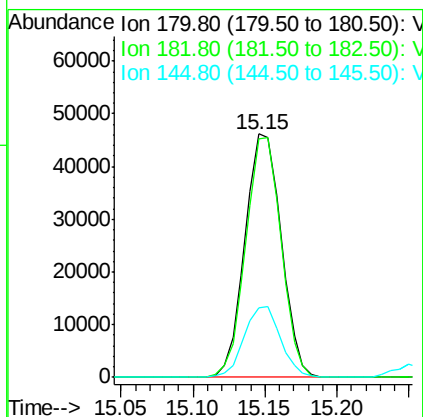
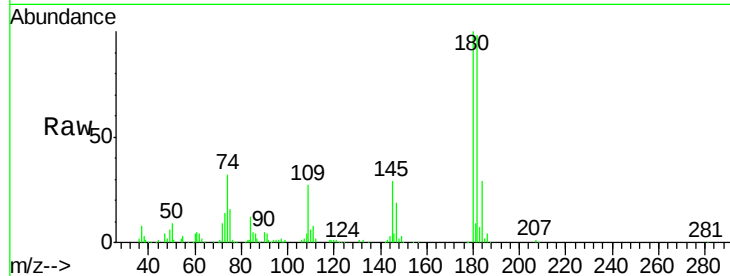




#93
 1,2,4-Trichlorobenzene
 Concen: 20.34 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

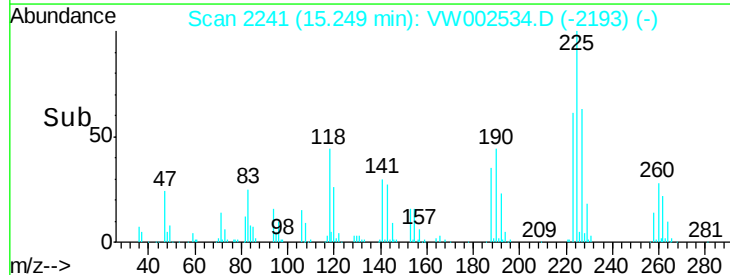
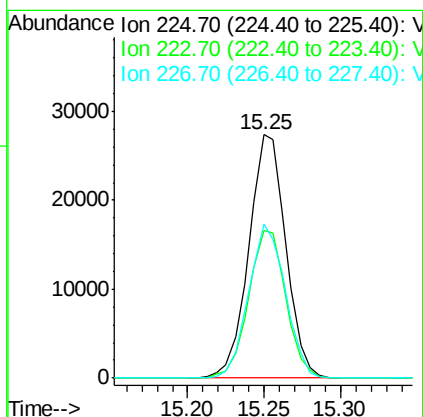
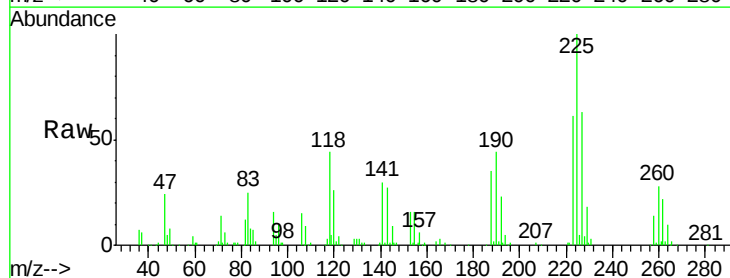
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBSD01

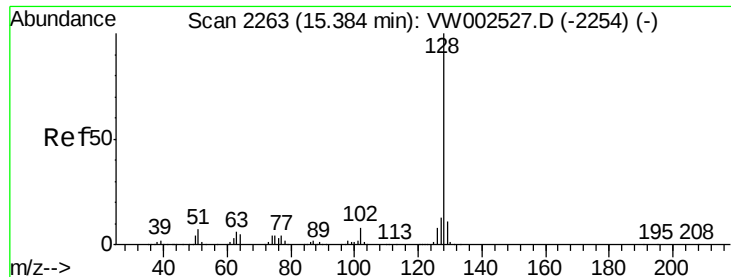
Tgt Ion:180 Resp: 80579
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.2 141.6
 145 29.1 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 20.85 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: VW002534.D
 Acq: 15 May 2018 01:51

Tgt Ion:225 Resp: 45952
 Ion Ratio Lower Upper
 225 100
 223 61.1 31.3 93.9
 227 62.8 31.9 95.5





#95

Naphthalene

Concen: 21.33 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBSD01

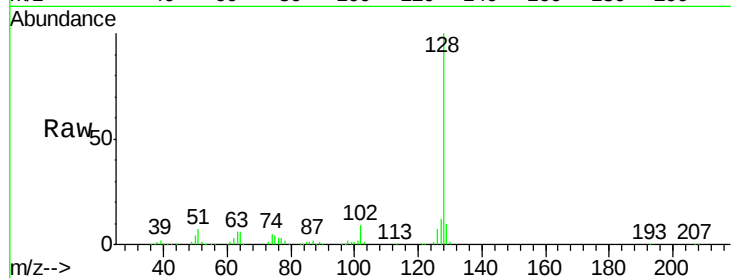
Tgt Ion:128 Resp: 153642

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

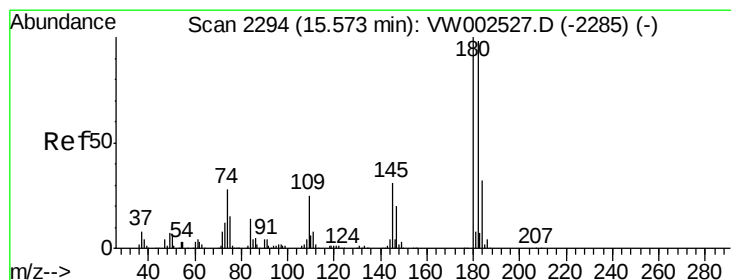
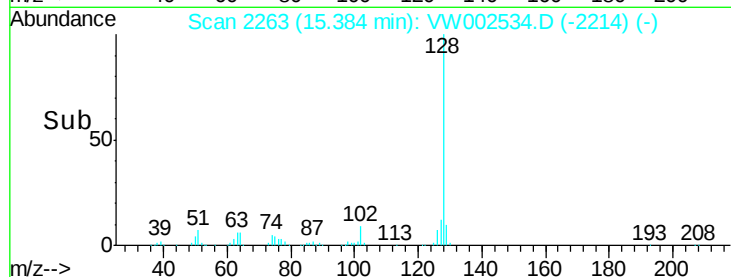
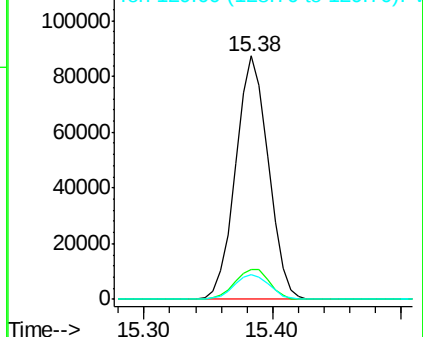
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.66 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VW002534.D

Acq: 15 May 2018 01:51

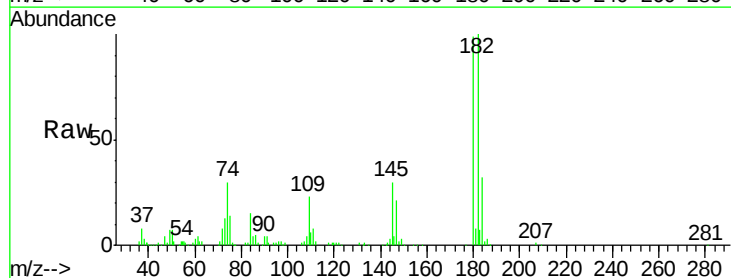
Tgt Ion:180 Resp: 73226

Ion Ratio Lower Upper

180 100

182 95.7 47.3 141.8

145 30.4 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

