

Data File : VW002530.D

Acq On : 14 May 2018 23:21

Operator : JC/SY

Sample : VSTDICC150

Misc : 5.00G/5ML/MSVOA_W/SOIL

ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Quant Time: May 15 02:30:02 2018

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M

Quant Title : SW846 8260

QLast Update : Tue May 15 02:22:37 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	373331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	351731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	190926	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	403260	153.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.38%	
35) Dibromofluoromethane	7.88	113	367332	154.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.08%	
50) Toluene-d8	10.33	98	1441478	158.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.30%	
62) 4-Bromofluorobenzene	12.63	95	536851	163.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	156639	166.99	ug/l	98
3) Chloromethane	2.21	50	261252	138.42	ug/l	98
4) Vinyl Chloride	2.36	62	453163	146.40	ug/l	97
5) Bromomethane	2.76	94	368501	146.90	ug/l	96
6) Chloroethane	2.91	64	310441	147.24	ug/l	98
7) Trichlorofluoromethane	3.24	101	190804	147.96	ug/l	99
8) Diethyl Ether	3.67	74	204831	140.98	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.04	101	304027	134.96	ug/l	100
10) Methyl Iodide	4.26	142	487956	134.60	ug/l	99
11) Tert butyl alcohol	5.18	59	141569	718.83	ug/l	100
12) 1,1-Dichloroethene	4.03	96	301227	135.57	ug/l	99
13) Acrolein	3.89	56	140166	832.04	ug/l	99
14) Allyl chloride	4.65	41	471926	143.98	ug/l	99
15) Acrylonitrile	5.37	53	408977	719.94	ug/l	100
16) Acetone	4.12	43	358482	682.18	ug/l	99
17) Carbon Disulfide	4.37	76	820143	128.09	ug/l	99
18) Methyl Acetate	4.67	43	232605	148.05	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	575765	146.06	ug/l	98
20) Methylene Chloride	4.90	84	313534	127.06	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	331370	137.95	ug/l	98
22) Diisopropyl ether	6.31	45	1069489	148.32	ug/l	99
23) Vinyl Acetate	6.25	43	3382548	779.98	ug/l	100
24) 1,1-Dichloroethane	6.21	63	610478	140.00	ug/l	99
25) 2-Butanone	7.17	43	569458	734.13	ug/l	100
26) 2,2-Dichloropropane	7.16	77	322916	146.11	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	381338	140.30	ug/l	100
28) Bromochloromethane	7.51	49	277673	139.95	ug/l	97
29) Tetrahydrofuran	7.53	42	370069	731.19	ug/l	99
30) Chloroform	7.67	83	646440	141.26	ug/l	98
31) Cyclohexane	7.95	56	499772	128.72	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	495906	143.61	ug/l	100
36) 1,1-Dichloropropene	8.08	75	486290	144.42	ug/l	100
37) Ethyl Acetate	7.26	43	244339	147.53	ug/l	99
38) Carbon Tetrachloride	8.07	117	492698	150.80	ug/l	96

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Quant Title : SW846 8260

QLast Update : Tue May 15 02:22:37 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	571206	145.82	ug/l	99
40) Benzene	8.32	78	1399368	142.88	ug/l	99
41) Methacrylonitrile	7.49	41	142030	152.75	ug/l	99
42) 1,2-Dichloroethane	8.40	62	445971	145.15	ug/l	100
43) Isopropyl Acetate	8.43	43	491824	156.56	ug/l	99
44) Trichloroethene	9.09	130	378425	141.33	ug/l	99
45) 1,2-Dichloropropane	9.37	63	357592	144.97	ug/l	99
46) Dibromomethane	9.46	93	202864	146.71	ug/l	100
47) Bromodichloromethane	9.65	83	492486	151.23	ug/l	100
48) Methyl methacrylate	9.44	41	243436	159.86	ug/l	98
49) 1,4-Dioxane	9.45	88	67937	3044.83	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	1353817	777.96	ug/l	100
52) Toluene	10.39	92	915285	147.15	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	512042	158.64	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	565866	154.33	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	282493	144.93	ug/l	98
56) Ethyl methacrylate	10.65	69	388159	160.86	ug/l	99
57) 1,3-Dichloropropane	10.94	76	480313	145.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	955620	814.69	ug/l	99
59) 2-Hexanone	10.98	43	943214	791.03	ug/l	99
60) Dibromochloromethane	11.13	129	355374	154.30	ug/l	99
61) 1,2-Dibromoethane	11.24	107	277784	146.29	ug/l	100
64) Tetrachloroethene	10.87	164	362836	135.89	ug/l	98
65) Chlorobenzene	11.66	112	1028819	143.93	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	385490	150.93	ug/l	99
67) Ethyl Benzene	11.74	91	1852535	150.45	ug/l	99
68) m/p-Xylenes	11.85	106	1422655	299.67	ug/l	99
69) o-Xylene	12.18	106	695839	154.04	ug/l	100
70) Styrene	12.19	104	1190657	158.90	ug/l	100
71) Bromoform	12.36	173	235873	159.79	ug/l	# 100
73) Isopropylbenzene	12.48	105	1898891	153.68	ug/l	100
74) N-amyl acetate	12.28	43	511322	163.97	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	353432	146.36	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	477364	270.56	ug/l	# 100
77) Bromobenzene	12.76	156	458856	147.16	ug/l	99
78) n-propylbenzene	12.82	91	2250015	153.59	ug/l	99
79) 2-Chlorotoluene	12.90	91	1274896	151.41	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1588622	152.73	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	111321	171.45	ug/l	97
82) 4-Chlorotoluene	13.00	91	1370335	152.77	ug/l	98
83) tert-Butylbenzene	13.22	119	1383161	154.69	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1645821	152.54	ug/l	100
85) sec-Butylbenzene	13.40	105	1944194	151.85	ug/l	100
86) p-Isopropyltoluene	13.51	119	1797672	156.70	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	914669	148.24	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	889146	144.23	ug/l	100
89) n-Butylbenzene	13.83	91	1672574	155.89	ug/l	100
90) Hexachloroethane	14.10	117	314161	153.27	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	810051	144.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	61351	146.85	ug/l	98

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Tue May 15 02:22:37 2018
Response via : Initial Calibration

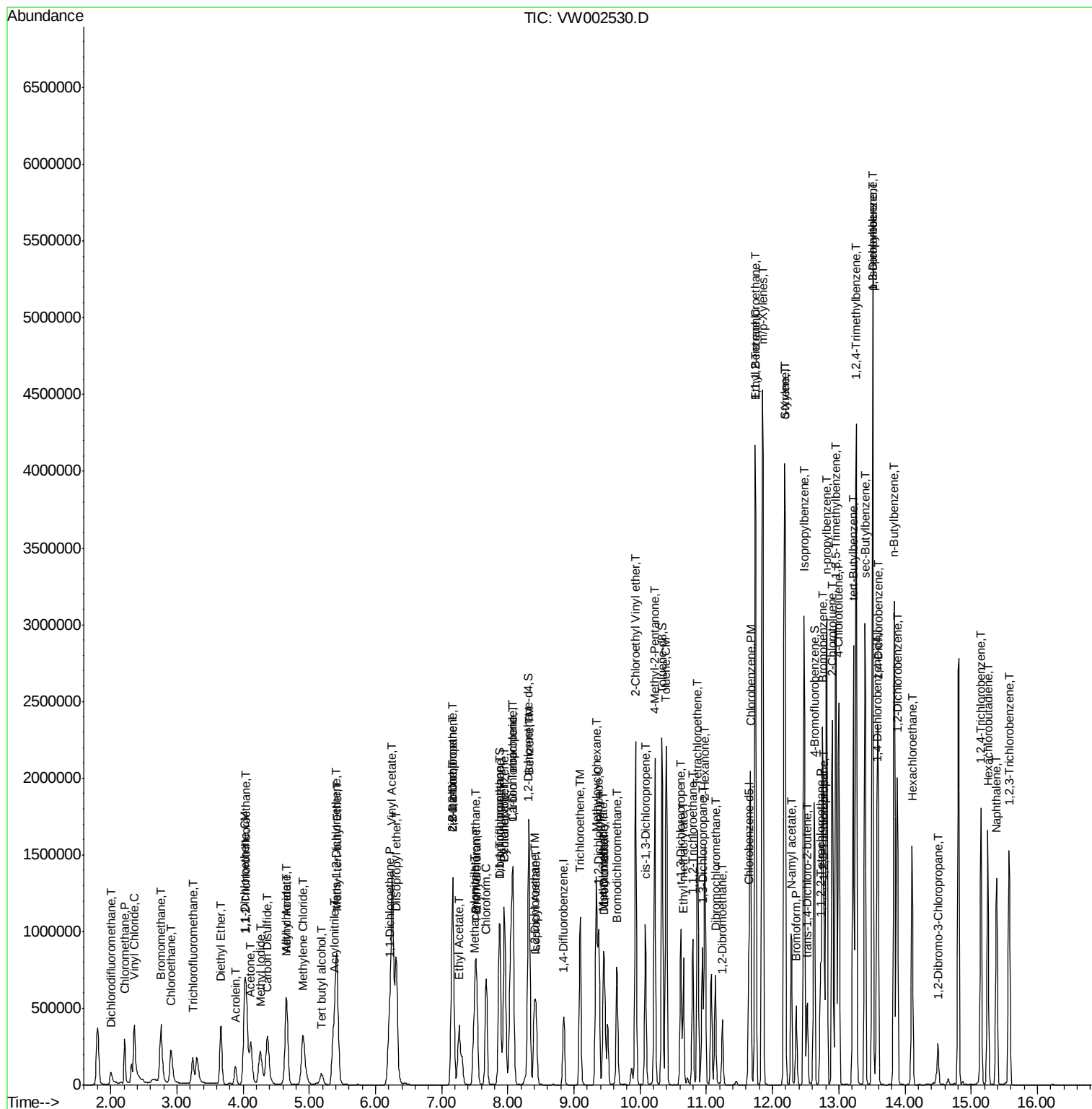
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	585848	145.47	ug/l	99
94) Hexachlorobutadiene	15.26	225	315184	140.56	ug/l	99
95) Naphthalene	15.38	128	1125711	151.41	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	514558	142.39	ug/l	99

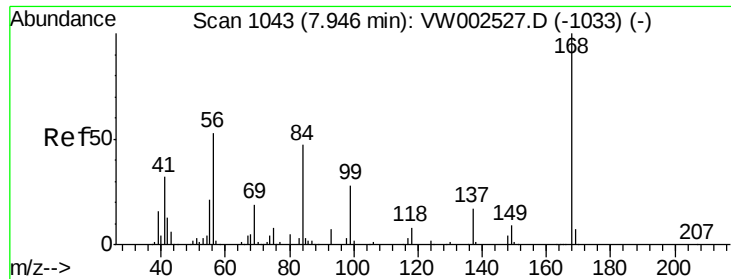
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW002530.D
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Instrument :
MSVOA_W
ClientSampleId :
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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: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

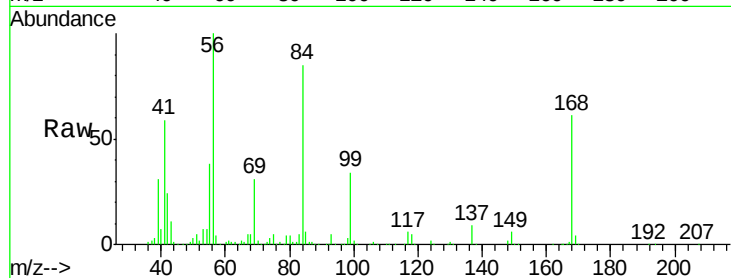
VSTDIC150

Tgt Ion:168 Resp: 249772

Ion Ratio Lower Upper

168 100

99 55.5 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

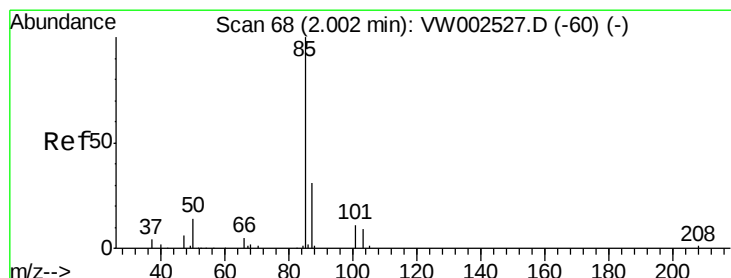
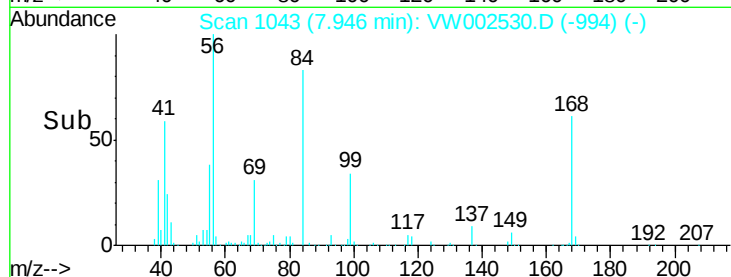
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 166.99 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002530.D

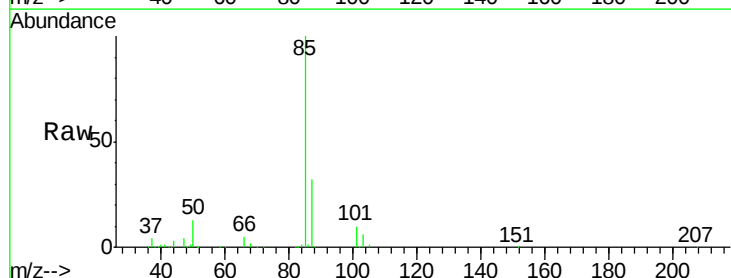
Acq: 14 May 2018 23:21

Tgt Ion: 85 Resp: 156639

Ion Ratio Lower Upper

85 100

87 31.5 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

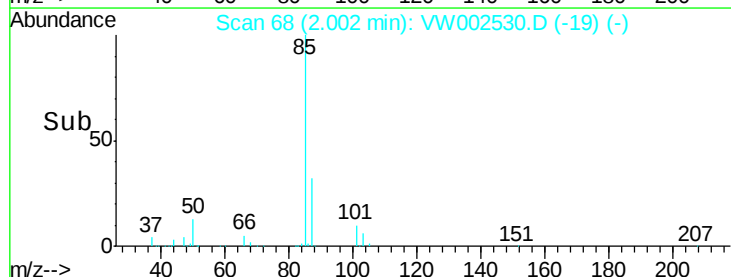
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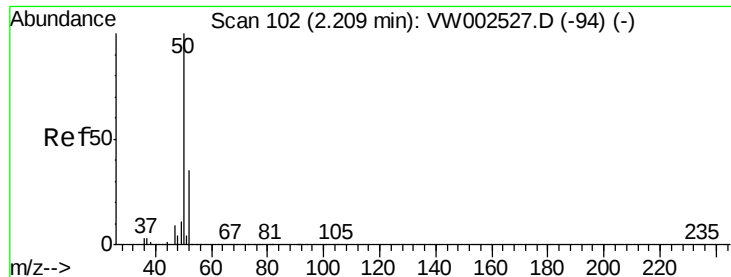
20000

10000

0

Time-->





#3

Chloromethane

Concen: 138.42 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

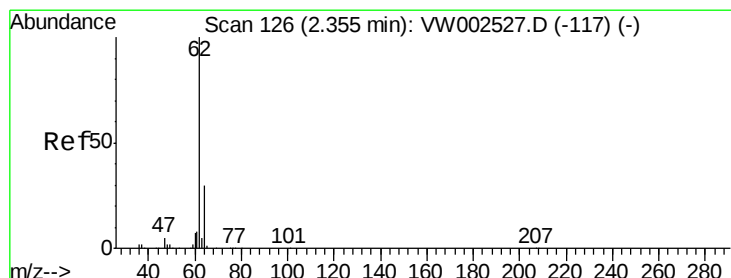
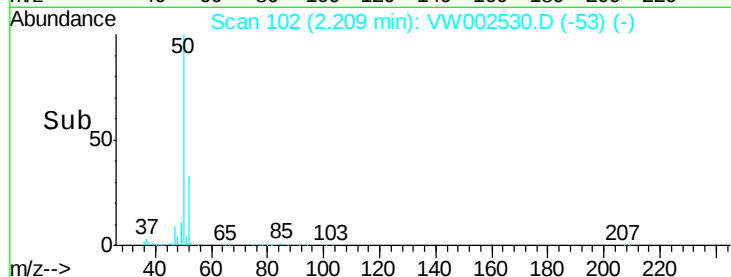
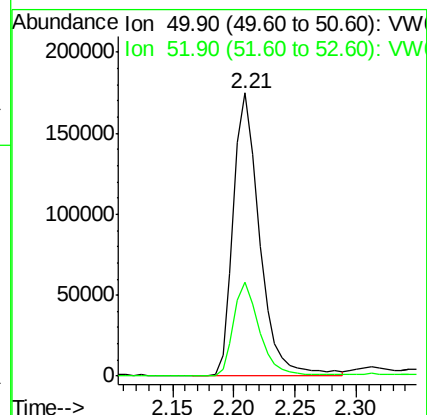
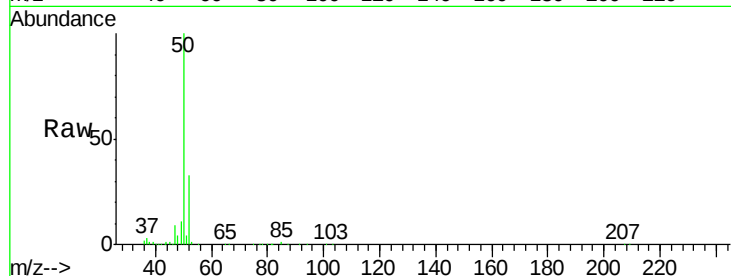
VSTDIC150

Tgt Ion: 50 Resp: 261252

Ion Ratio Lower Upper

50 100

52 33.4 27.8 41.8



#4

Vinyl Chloride

Concen: 146.40 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002530.D

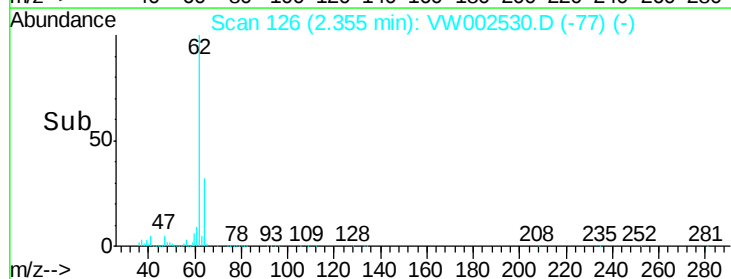
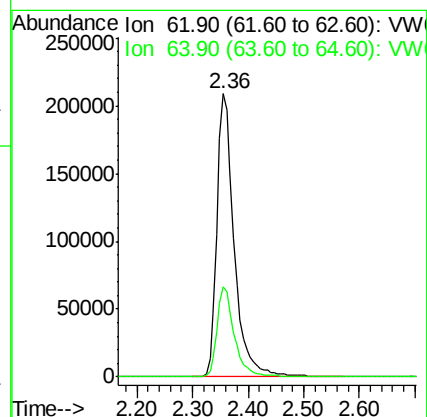
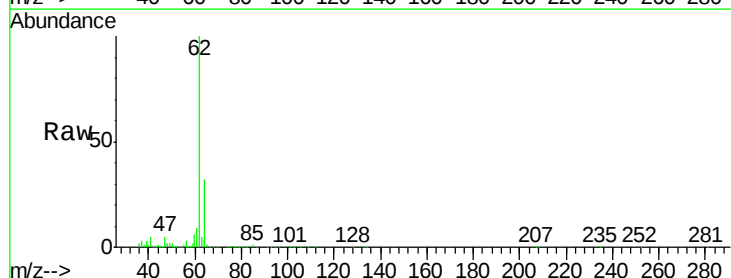
Acq: 14 May 2018 23:21

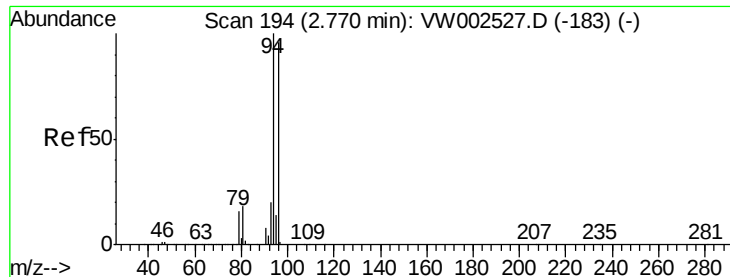
Tgt Ion: 62 Resp: 453163

Ion Ratio Lower Upper

62 100

64 31.6 24.0 36.0





#5

Bromomethane

Concen: 146.90 ug/l

RT: 2.76 min Scan# 192

Delta R.T. -0.01 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

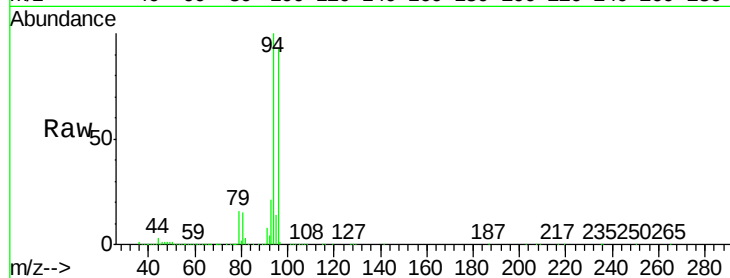
VSTDIC150

Tgt Ion: 94 Resp: 368501

Ion Ratio Lower Upper

94 100

96 92.7 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

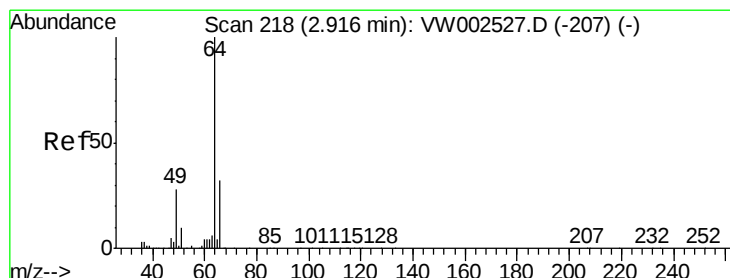
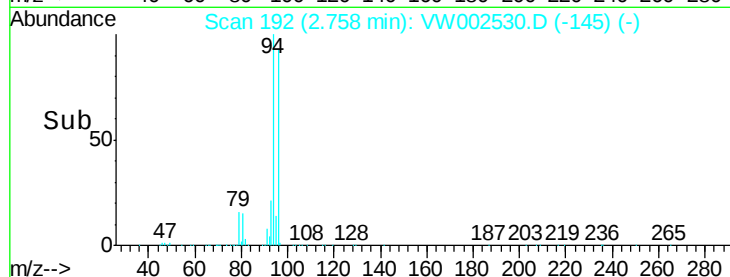
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 147.24 ug/l

RT: 2.91 min Scan# 217

Delta R.T. -0.01 min

Lab File: VW002530.D

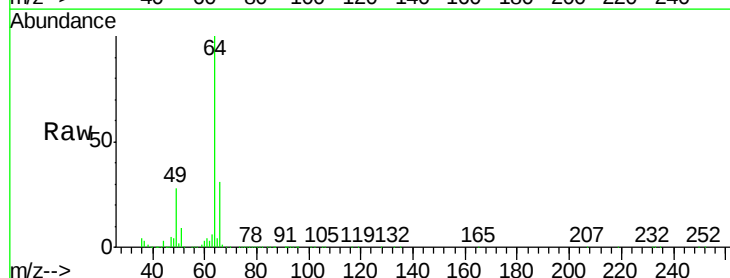
Acq: 14 May 2018 23:21

Tgt Ion: 64 Resp: 310441

Ion Ratio Lower Upper

64 100

66 31.1 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.91

120000

100000

80000

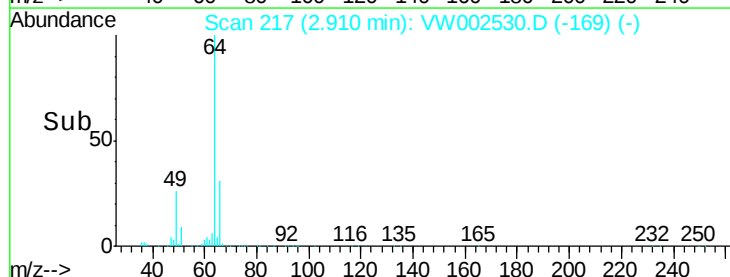
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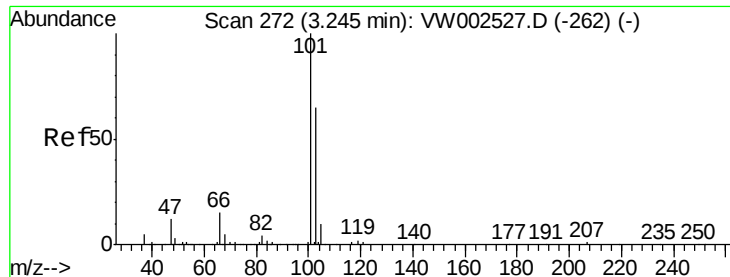
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Time-->



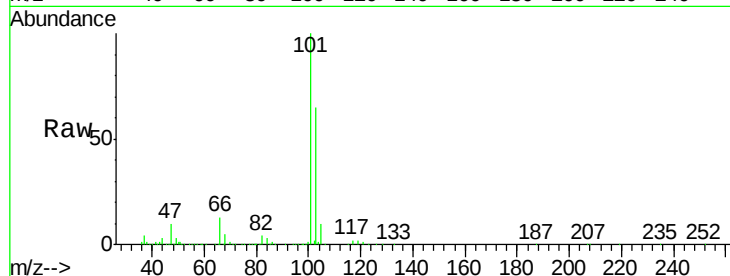


#7

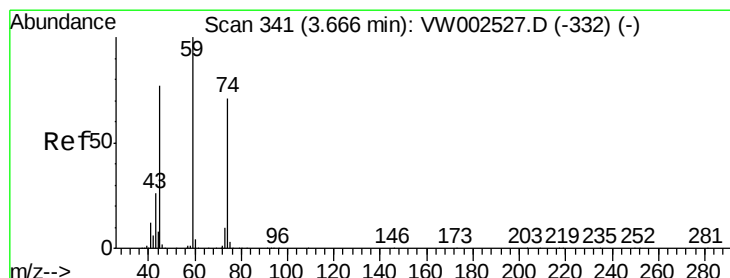
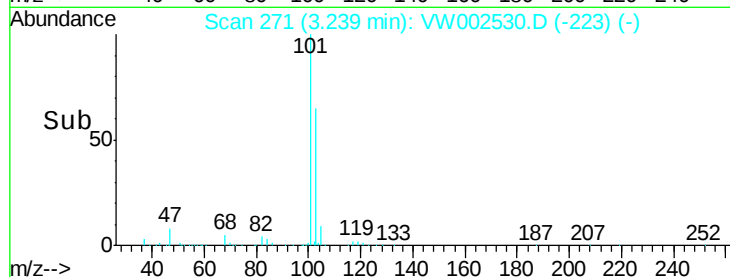
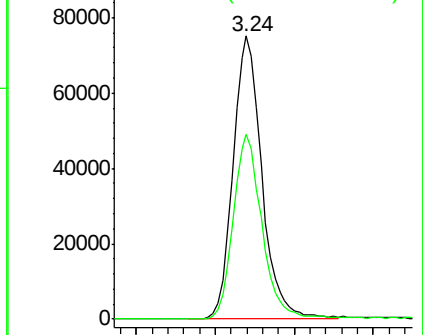
Trichlorofluoromethane
 Concen: 147.96 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:101 Resp: 190804
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.8 77.8



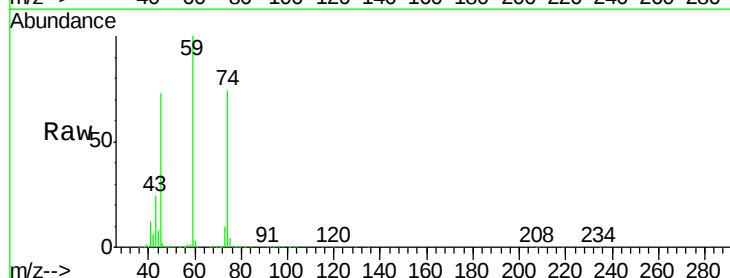
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



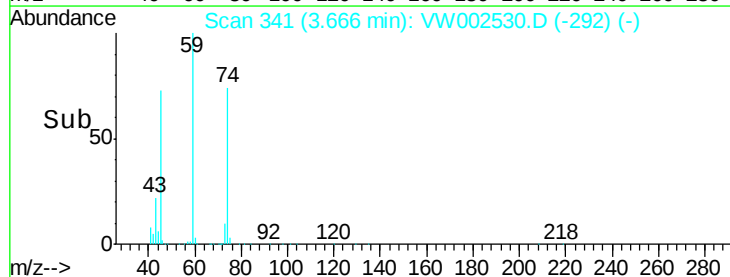
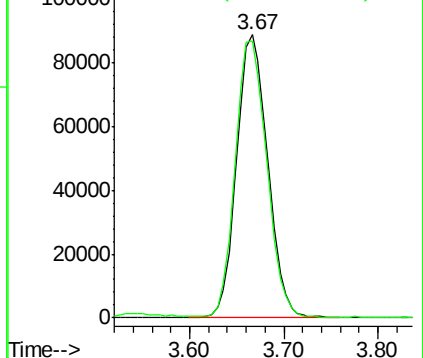
#8

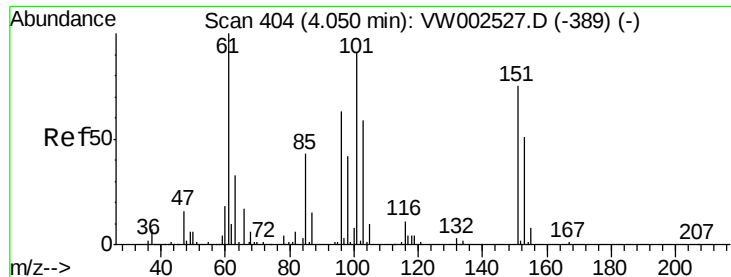
Diethyl Ether
 Concen: 140.98 ug/l
 RT: 3.67 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion: 74 Resp: 204831
 Ion Ratio Lower Upper
 74 100
 45 99.1 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: 134.96 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW002530.D

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Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

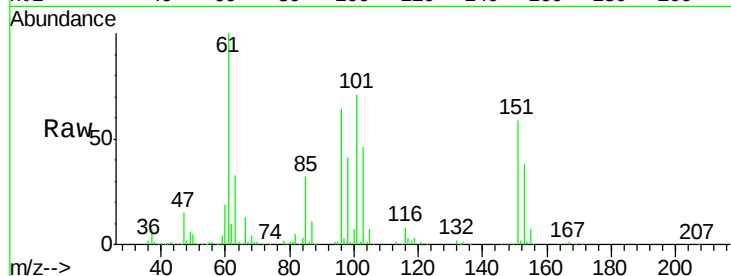
Tgt Ion:101 Resp: 304027

Ion Ratio Lower Upper

101 100

85 45.6 36.5 54.7

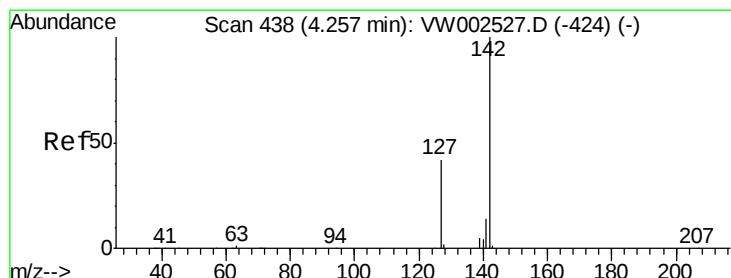
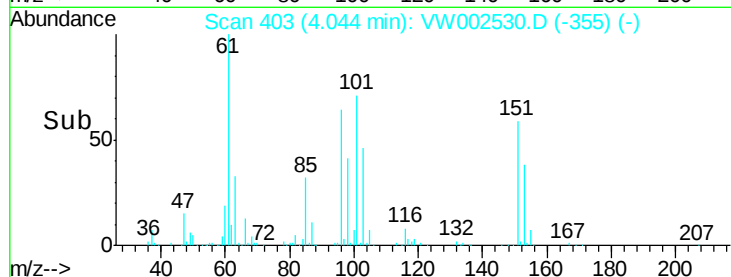
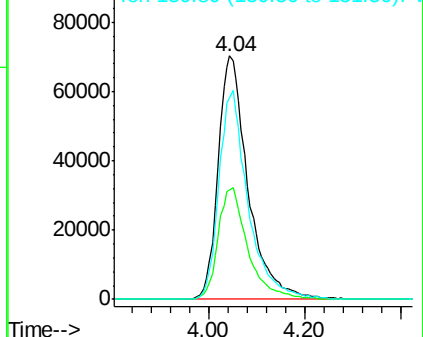
151 83.9 66.7 100.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 134.60 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

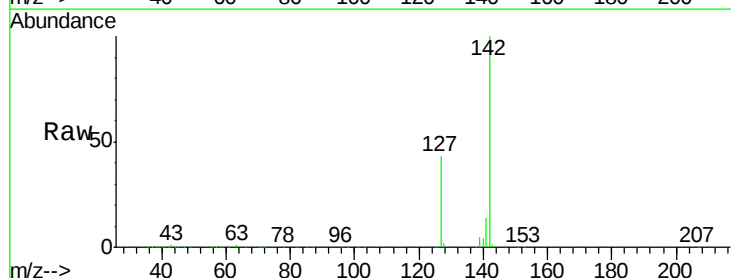
Tgt Ion:142 Resp: 487956

Ion Ratio Lower Upper

142 100

127 44.0 34.6 52.0

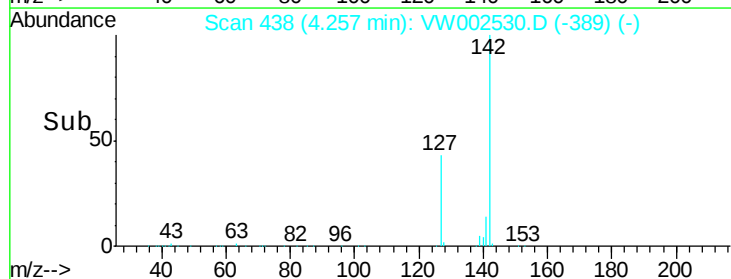
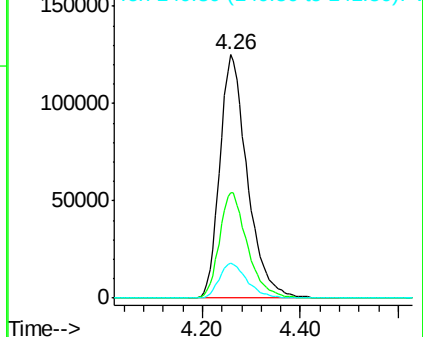
141 14.5 11.8 17.8

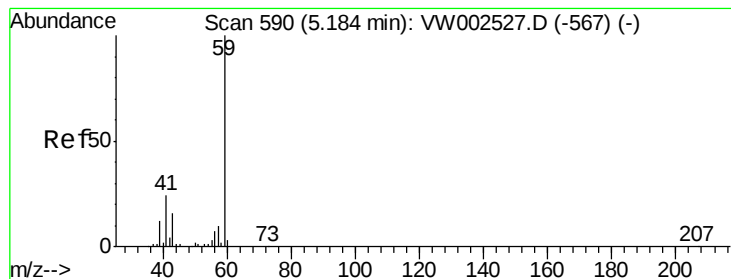


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



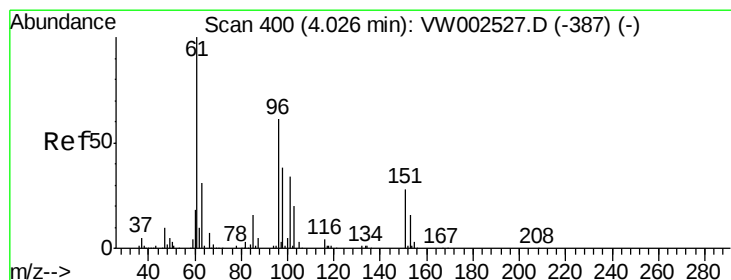
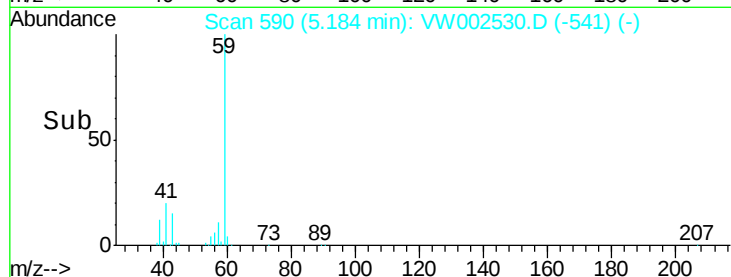
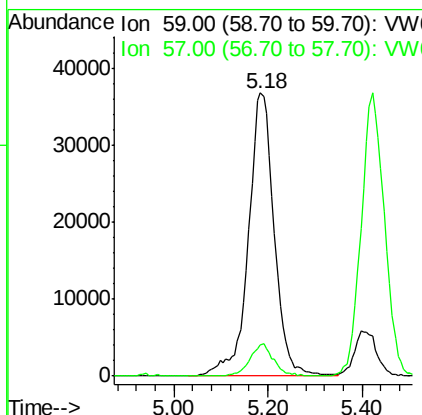
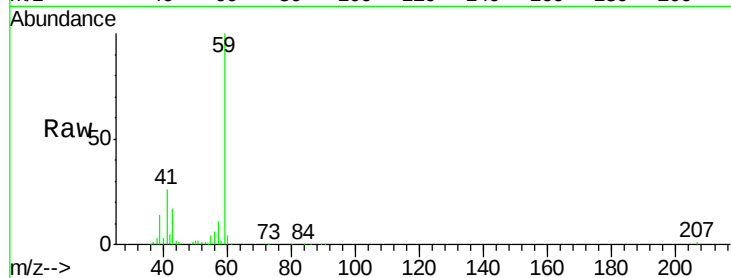


#11

Tert butyl alcohol
 Concen: 718.83 ug/l
 RT: 5.18 min Scan# 590
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

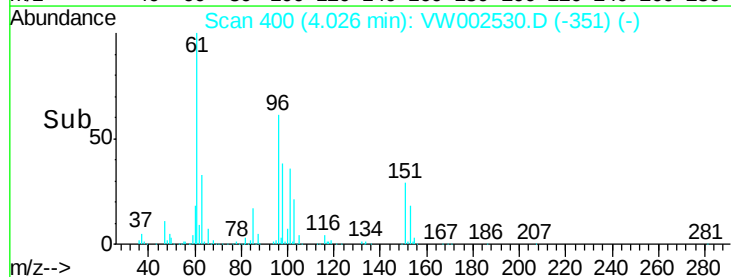
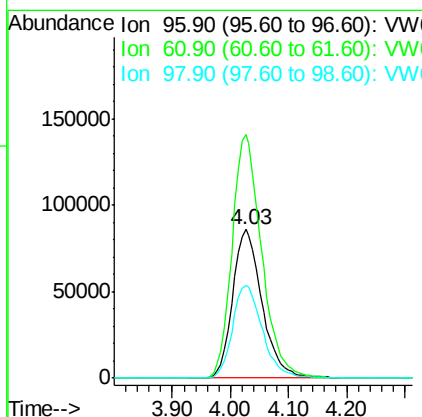
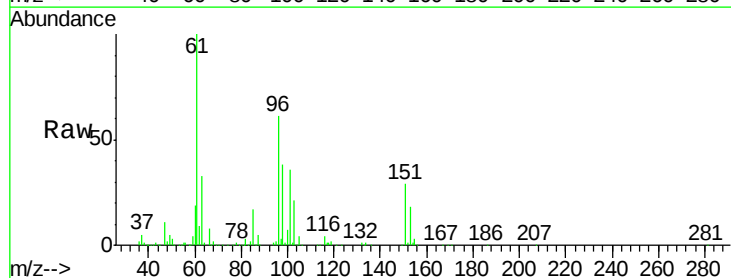
Tgt Ion: 59 Resp: 141569
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4

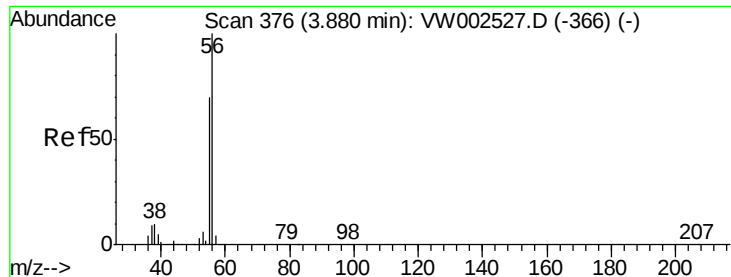


#12

1,1-Dichloroethene
 Concen: 135.57 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion: 96 Resp: 301227
 Ion Ratio Lower Upper
 96 100
 61 163.7 132.2 198.2
 98 62.5 50.6 76.0





#13

Acrolein

Concen: 832.04 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

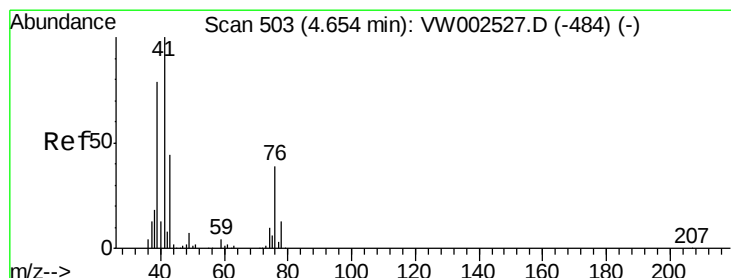
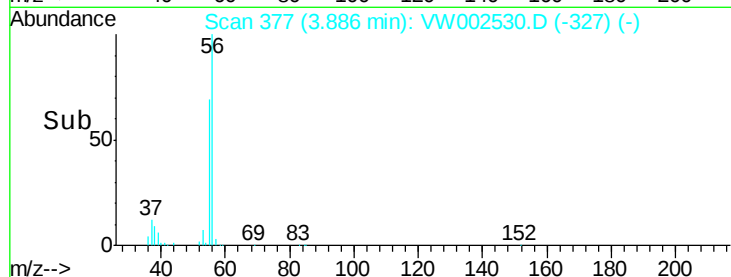
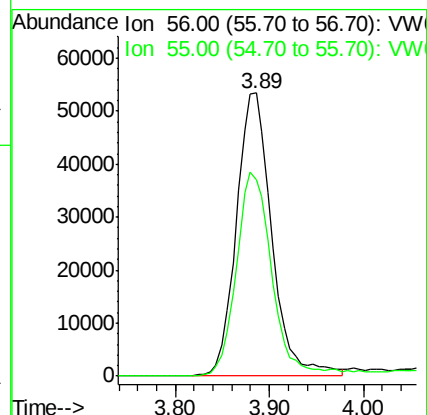
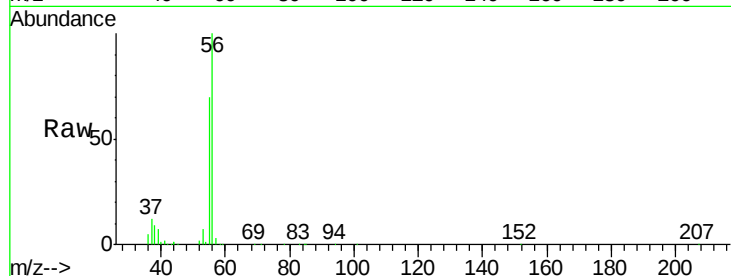
VSTDIC150

Tgt Ion: 56 Resp: 140166

Ion Ratio Lower Upper

56 100

55 72.2 57.0 85.4



#14

Allyl chloride

Concen: 143.98 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

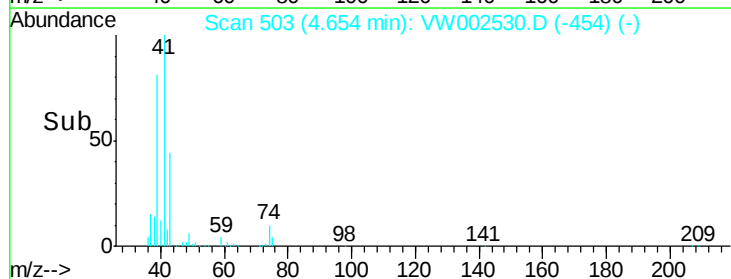
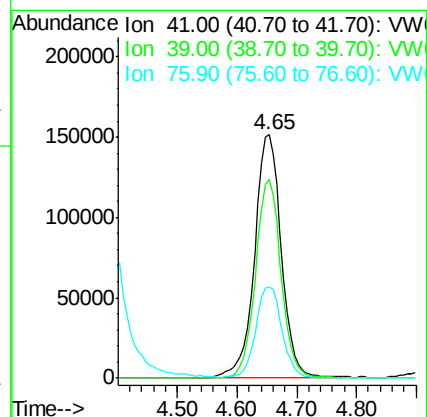
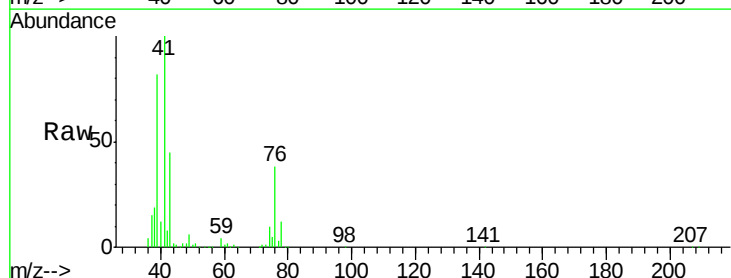
Tgt Ion: 41 Resp: 471926

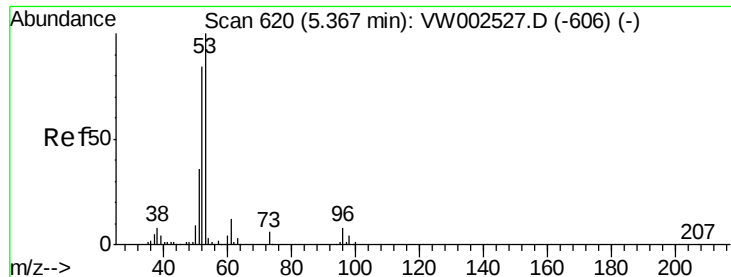
Ion Ratio Lower Upper

41 100

39 78.1 61.4 92.2

76 36.5 29.6 44.4





#15

Acrylonitrile

Concen: 719.94 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

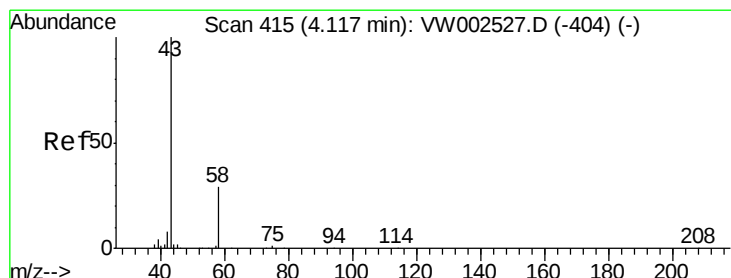
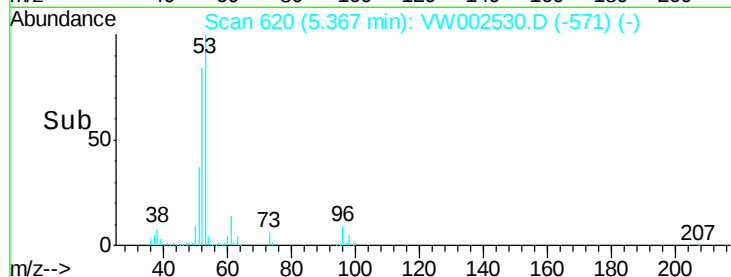
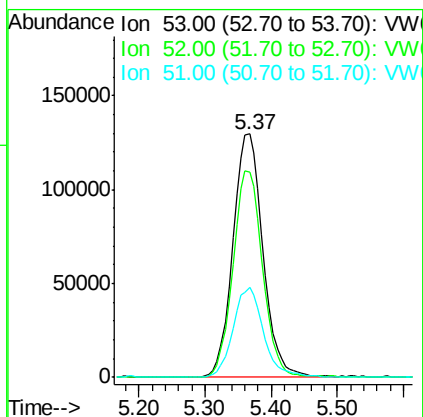
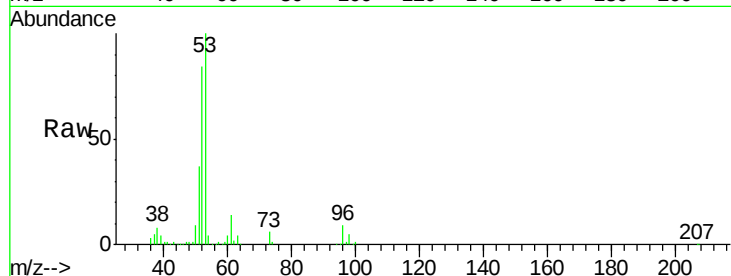
Tgt Ion: 53 Resp: 408977

Ion Ratio Lower Upper

53 100

52 83.5 66.6 100.0

51 37.7 30.6 46.0



#16

Acetone

Concen: 682.18 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.00 min

Lab File: VW002530.D

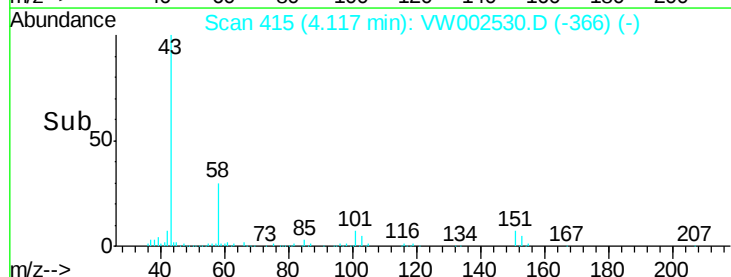
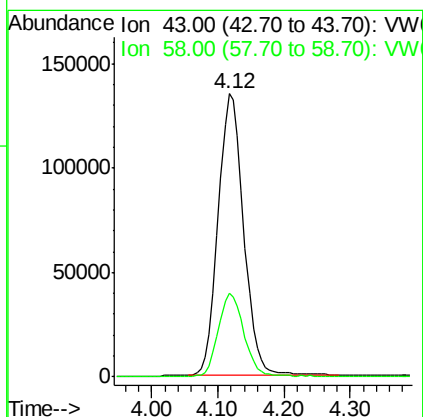
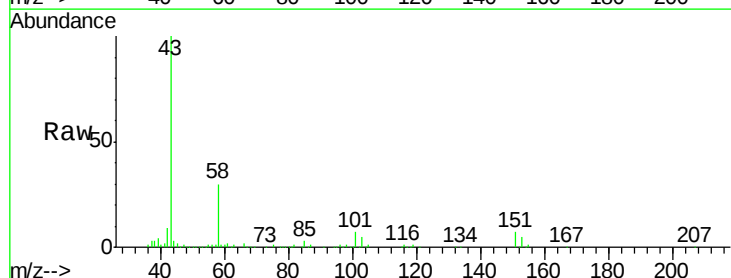
Acq: 14 May 2018 23:21

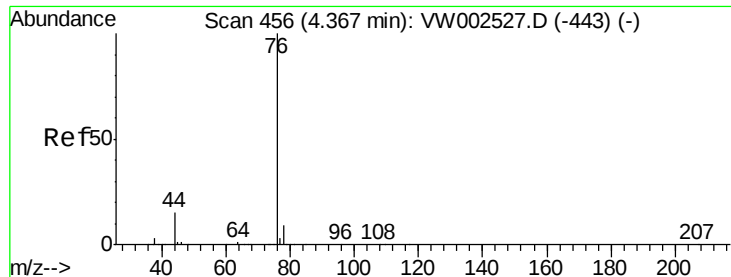
Tgt Ion: 43 Resp: 358482

Ion Ratio Lower Upper

43 100

58 29.7 23.4 35.0

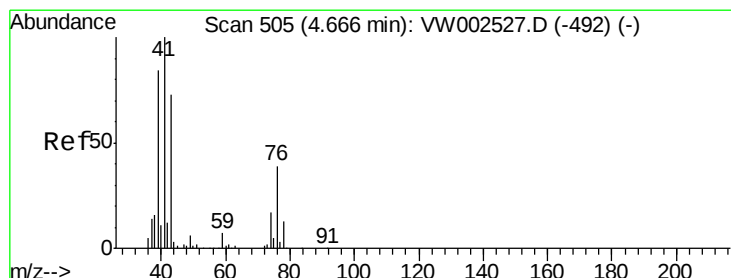
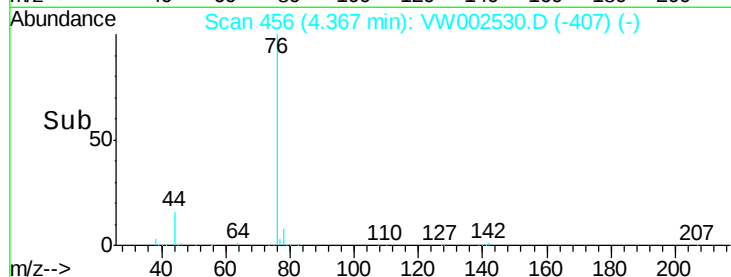
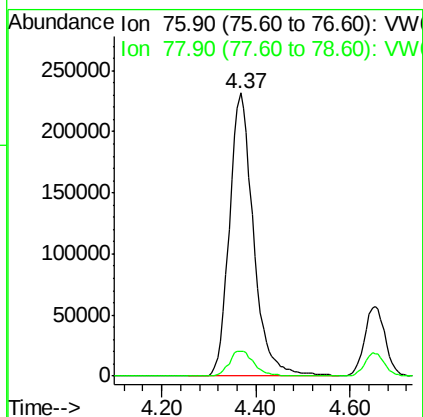
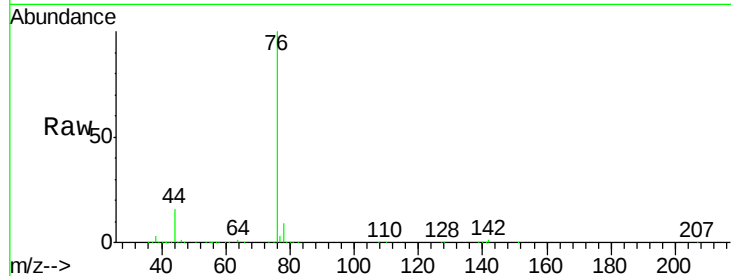




#17
Carbon Disulfide
Concen: 128.09 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

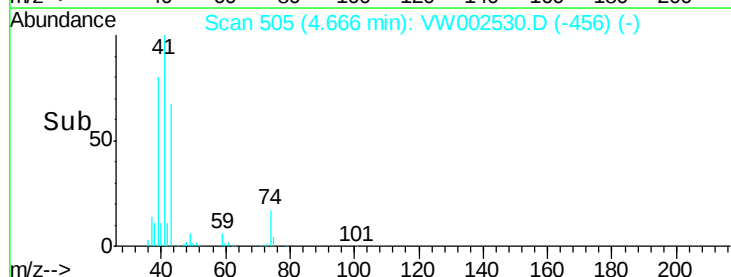
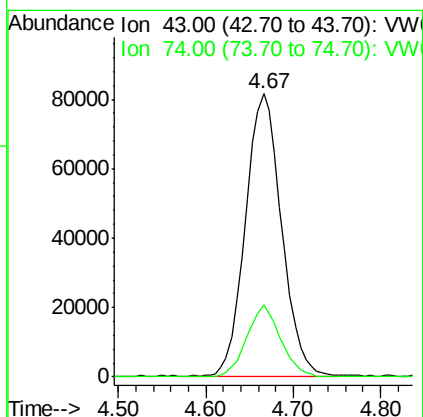
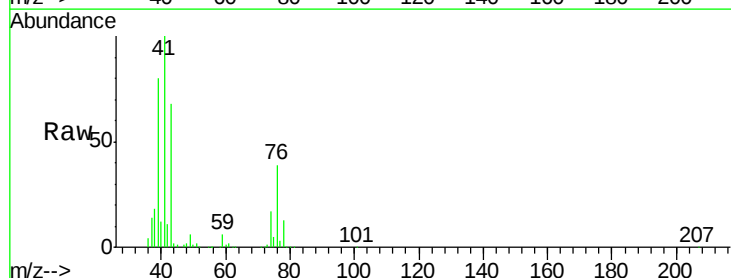
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

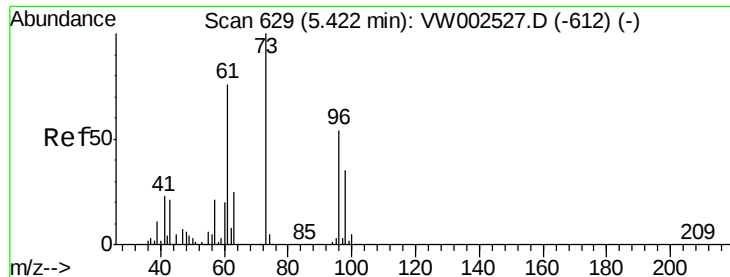
Tgt Ion: 76 Resp: 820143
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



#18
Methyl Acetate
Concen: 148.05 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion: 43 Resp: 232605
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8

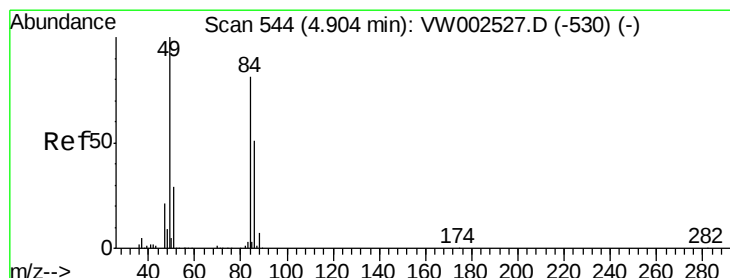
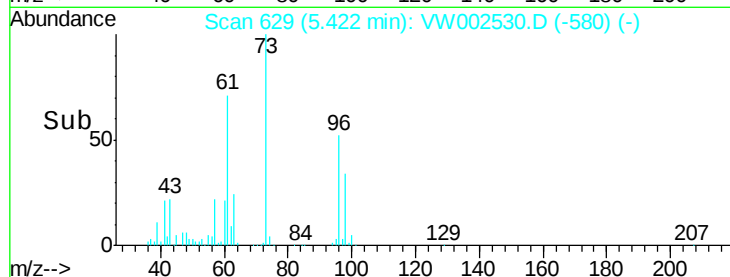
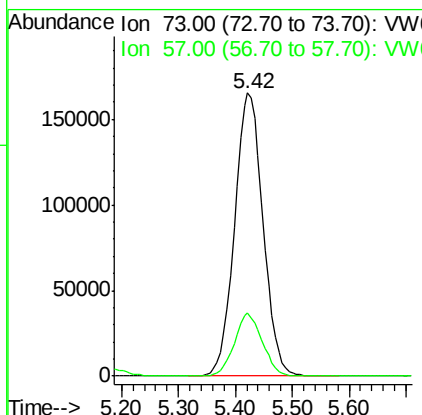
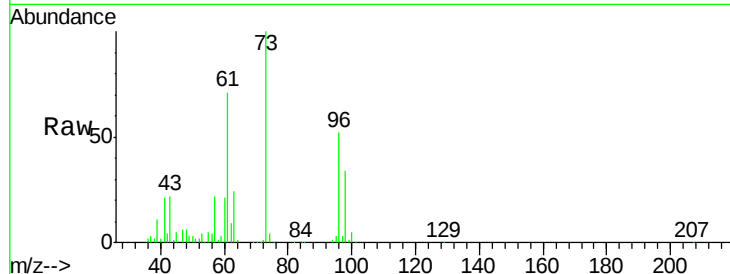




#19
Methyl tert-butyl Ether
Concen: 146.06 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

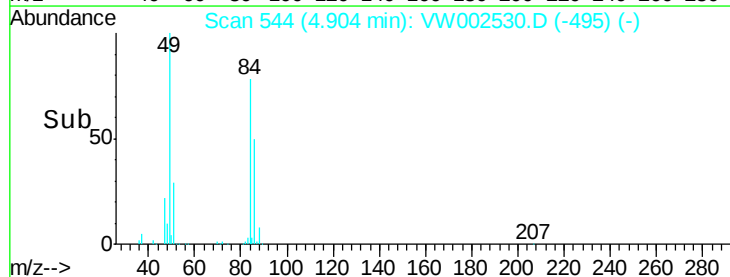
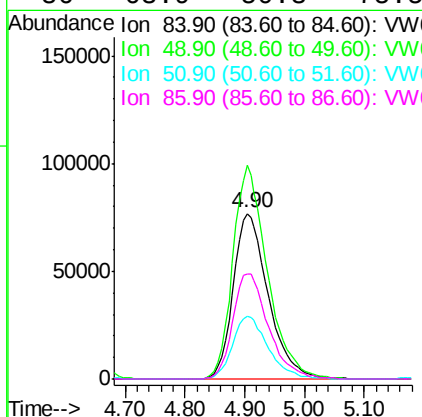
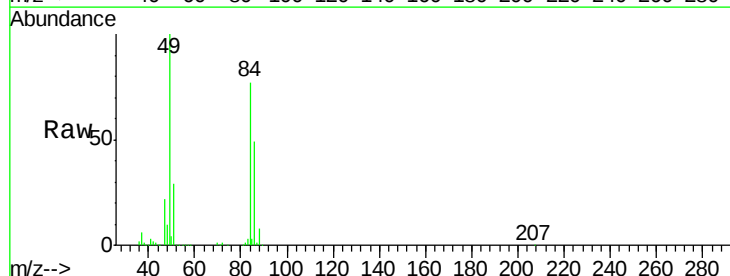
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

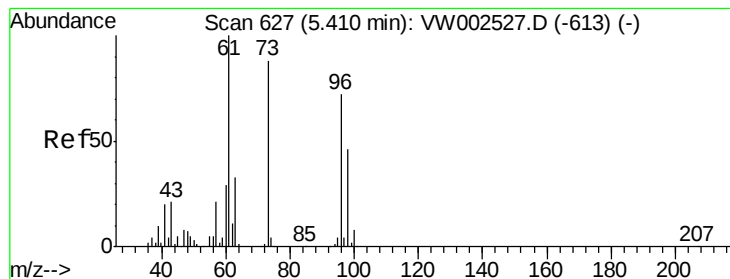
Tgt Ion: 73 Resp: 575765
Ion Ratio Lower Upper
73 100
57 22.3 17.0 25.6



#20
Methylene Chloride
Concen: 127.06 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion: 84 Resp: 313534
Ion Ratio Lower Upper
84 100
49 129.2 99.4 149.0
51 37.8 29.0 43.6
86 63.9 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 137.95 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

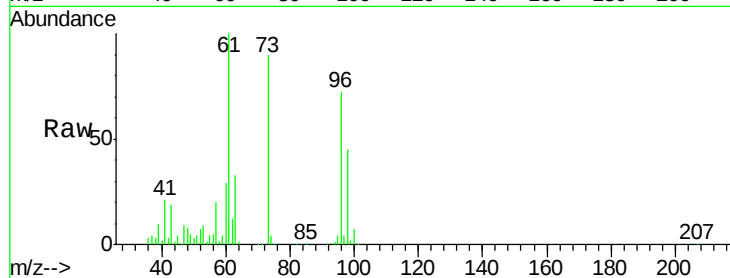
Tgt Ion: 96 Resp: 331370

Ion Ratio Lower Upper

96 100

61 138.0 111.6 167.4

98 62.0 51.7 77.5

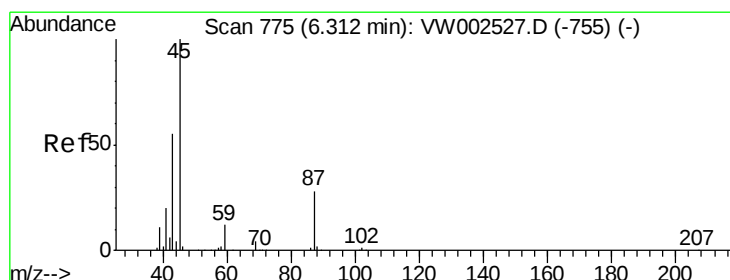
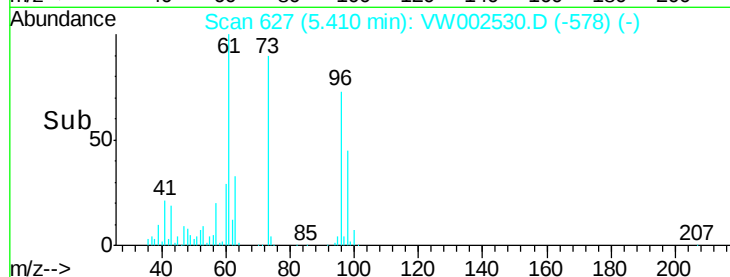
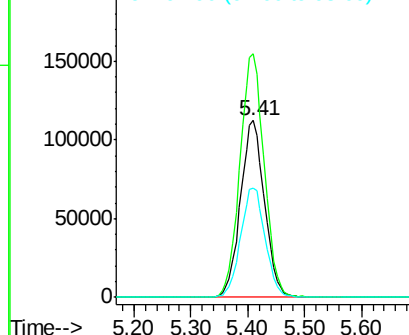


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 148.32 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Tgt Ion: 45 Resp: 1069489

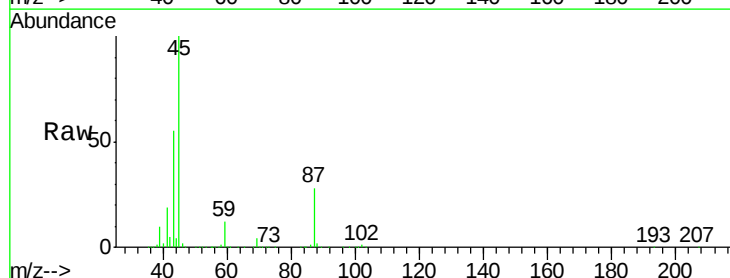
Ion Ratio Lower Upper

45 100

43 55.2 44.4 66.6

87 27.4 23.0 34.4

59 11.6 9.4 14.2



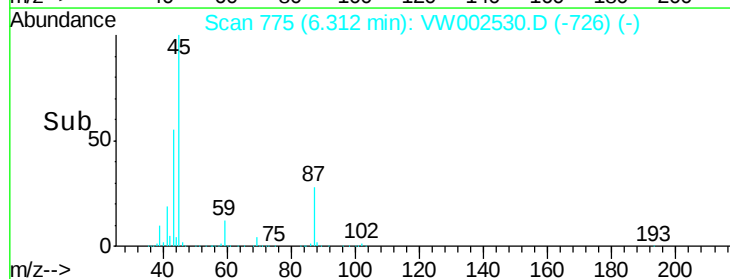
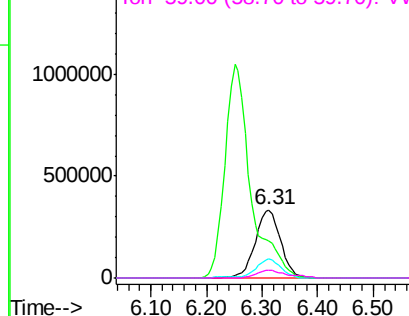
Abundance

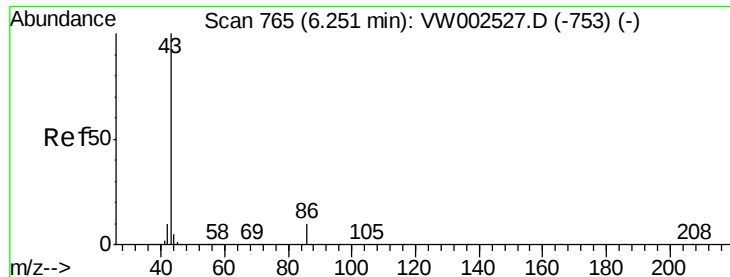
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 779.98 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

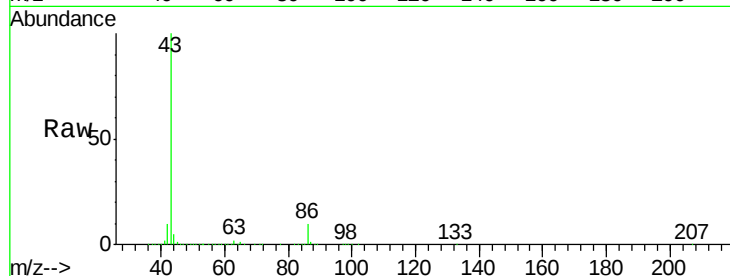
VSTDIC150

Tgt Ion: 43 Resp: 3382548

Ion Ratio Lower Upper

43 100

86 9.9 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

1200000

1000000

800000

600000

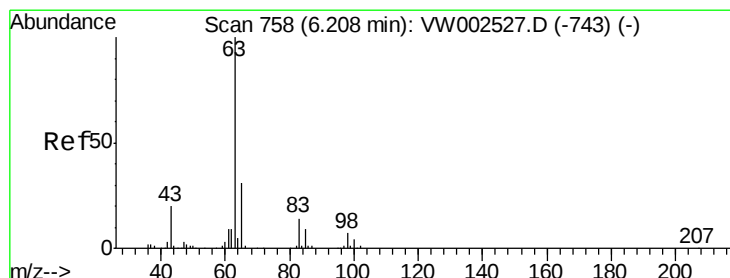
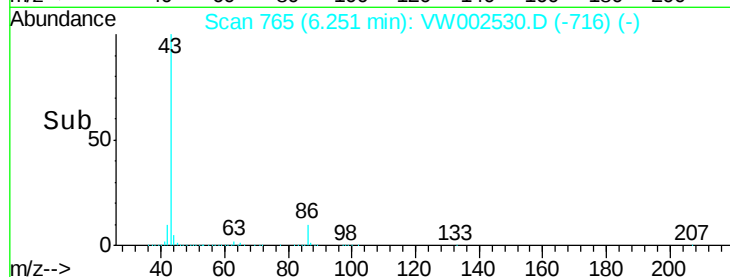
400000

200000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 140.00 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

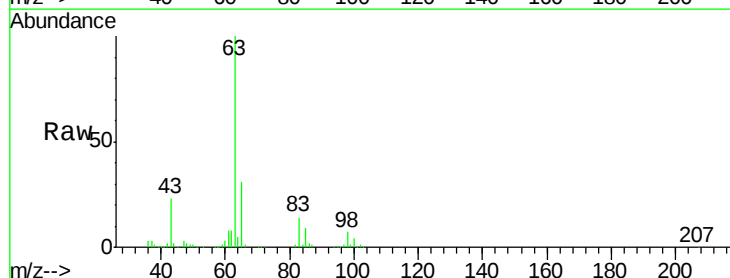
Tgt Ion: 63 Resp: 610478

Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

250000

200000

150000

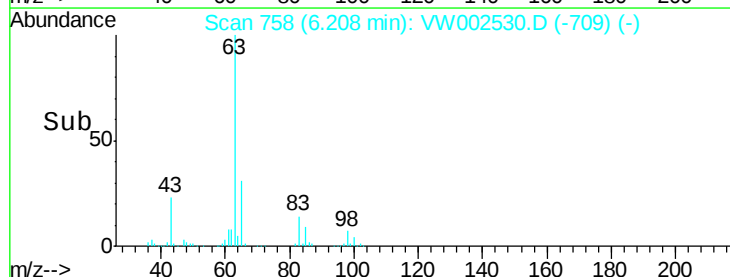
100000

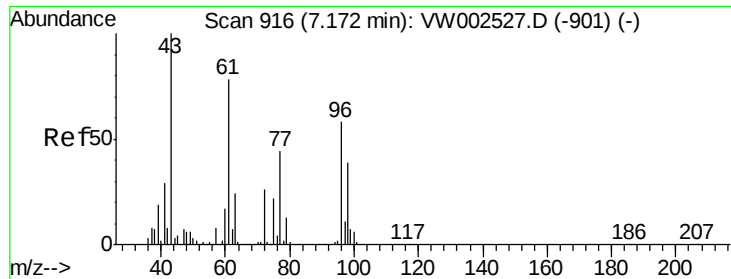
50000

0

6.00 6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 734.13 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

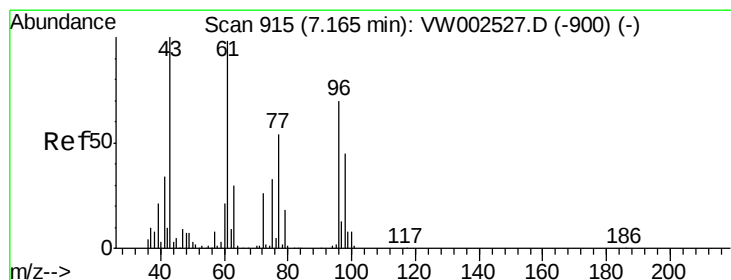
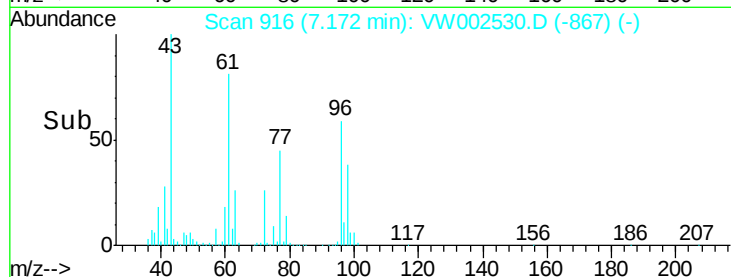
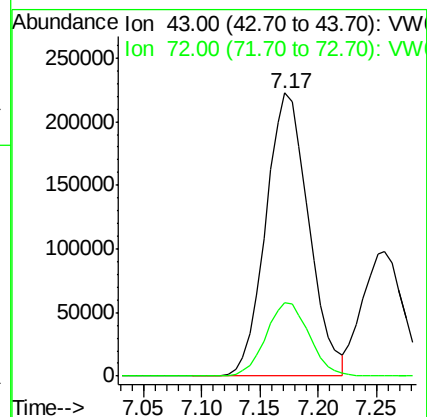
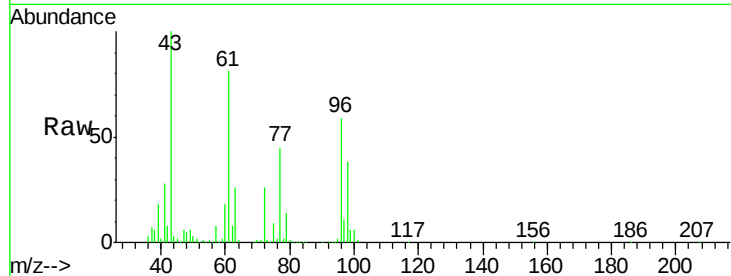
VSTDIC150

Tgt Ion: 43 Resp: 569458

Ion Ratio Lower Upper

43 100

72 26.0 20.9 31.3



#26

2,2-Dichloropropane

Concen: 146.11 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002530.D

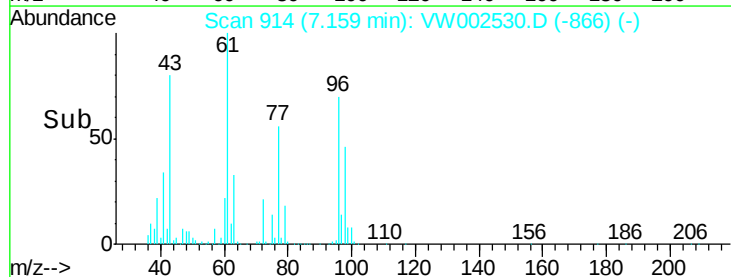
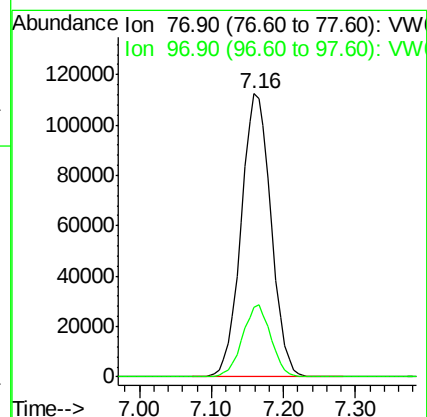
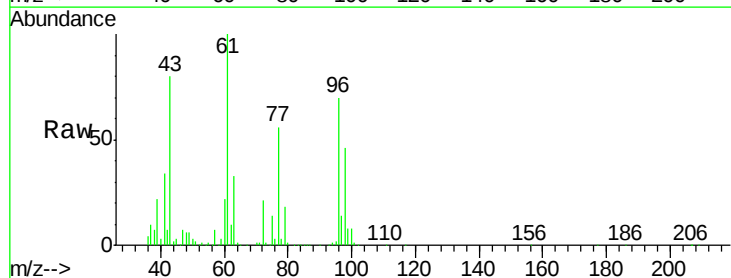
Acq: 14 May 2018 23:21

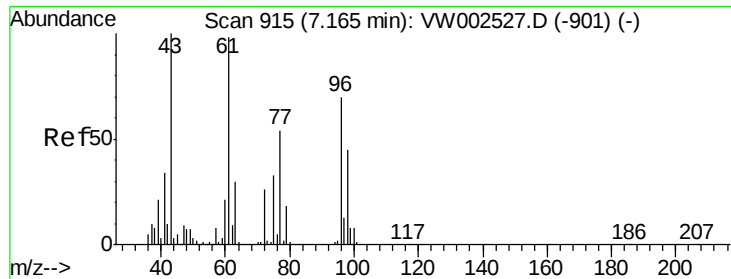
Tgt Ion: 77 Resp: 322916

Ion Ratio Lower Upper

77 100

97 24.2 12.1 36.3



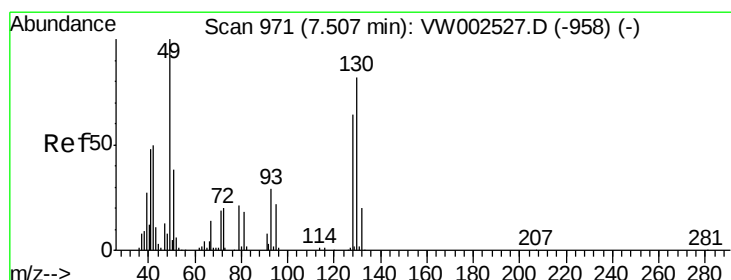
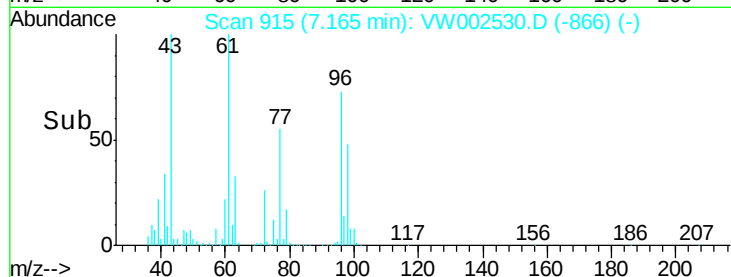
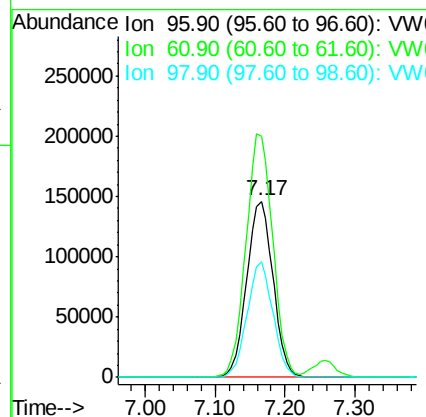
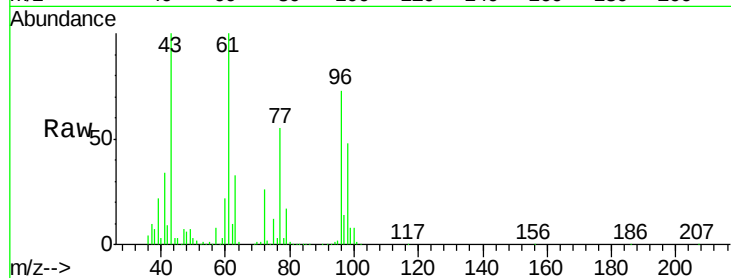


#27

cis-1,2-Dichloroethene
Concen: 140.30 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

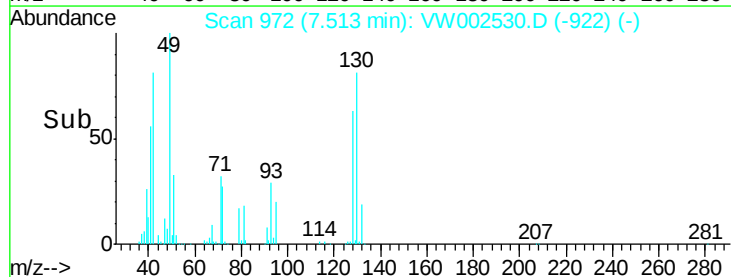
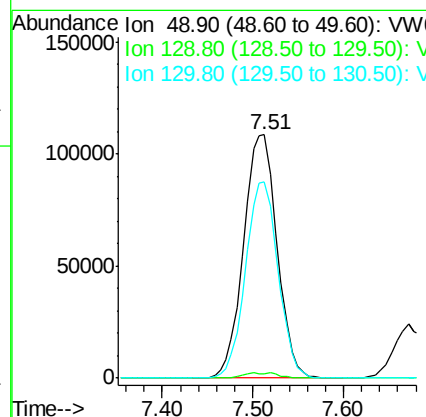
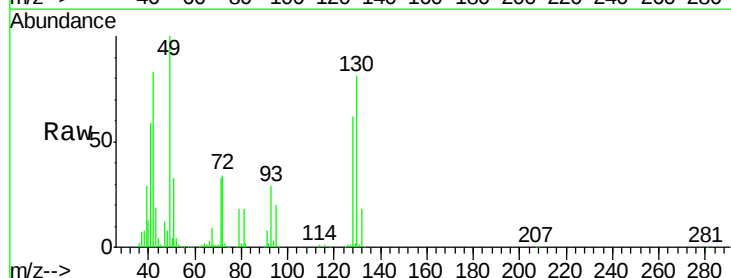
Tgt Ion: 96 Resp: 381338
Ion Ratio Lower Upper
96 100
61 140.9 0.0 281.6
98 64.3 0.0 130.8

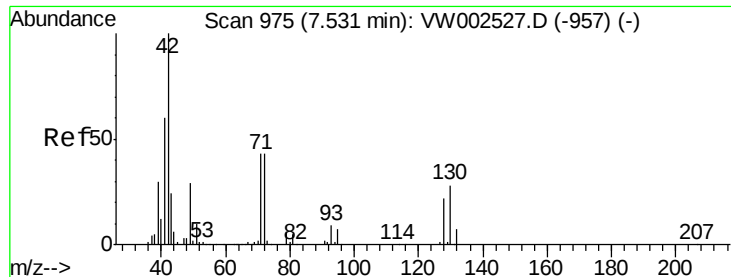


#28

Bromochloromethane
Concen: 139.95 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.01 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion: 49 Resp: 277673
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.4
130 78.6 64.7 97.1

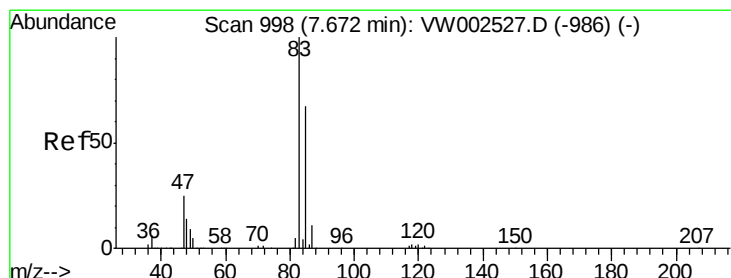
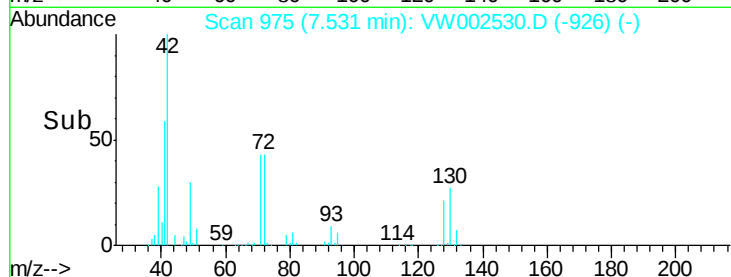
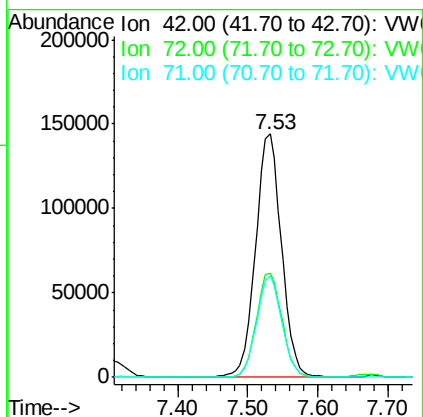
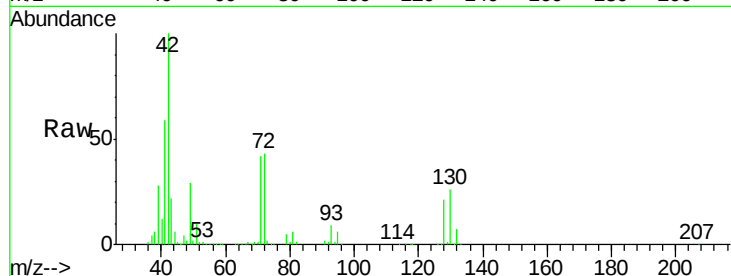




#29
Tetrahydrofuran
Concen: 731.19 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

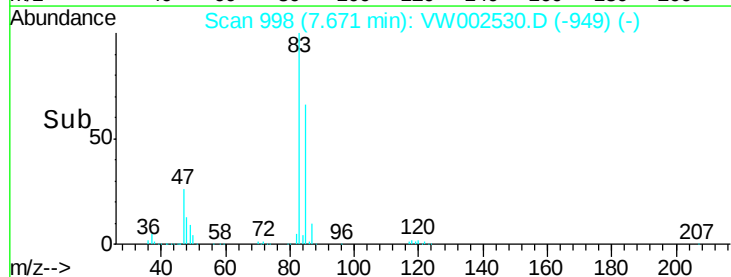
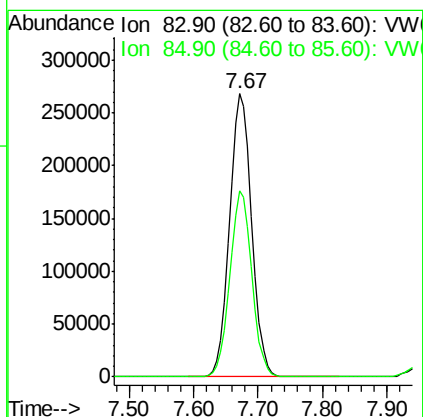
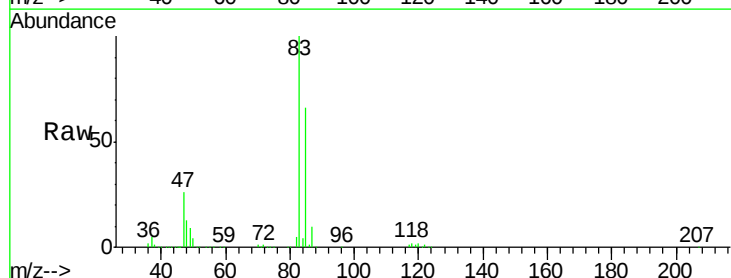
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

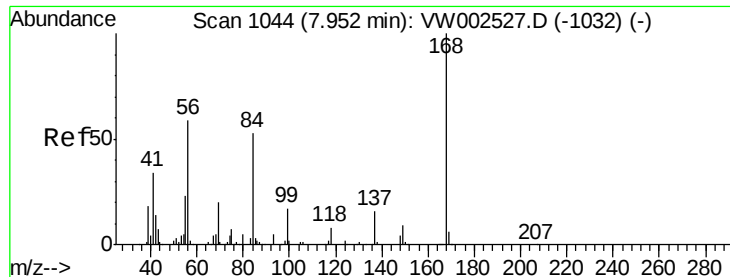
Tgt Ion: 42 Resp: 370069
Ion Ratio Lower Upper
42 100
72 42.6 35.0 52.4
71 40.6 33.0 49.6



#30
Chloroform
Concen: 141.26 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion: 83 Resp: 646440
Ion Ratio Lower Upper
83 100
85 65.6 53.9 80.9





#31

Cyclohexane

Concen: 128.72 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

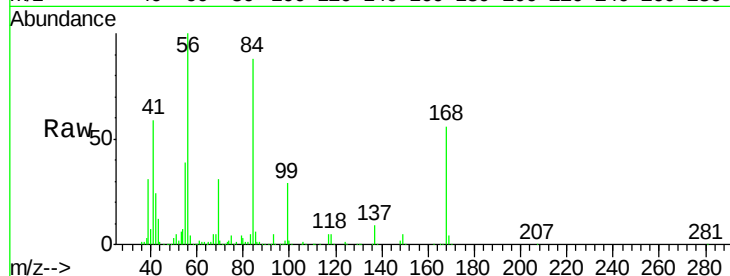
Tgt Ion: 56 Resp: 499772

Ion Ratio Lower Upper

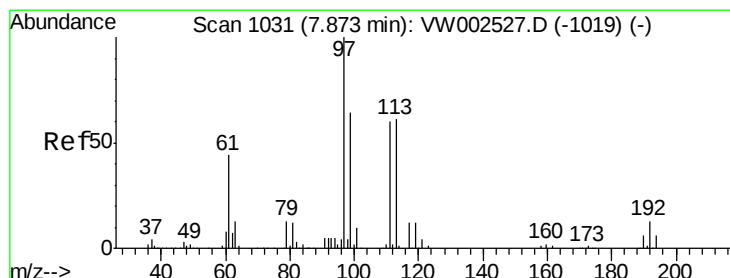
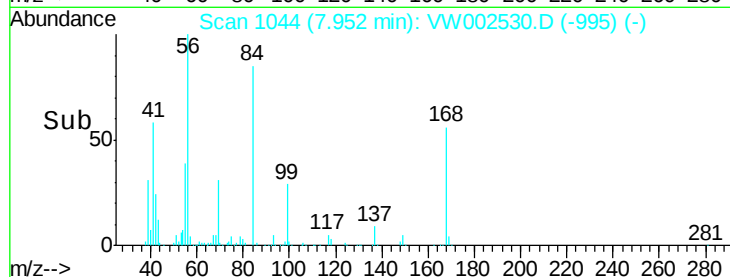
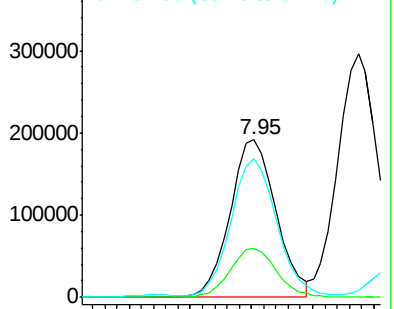
56 100

69 31.1 27.0 40.4

84 85.6 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: 143.61 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

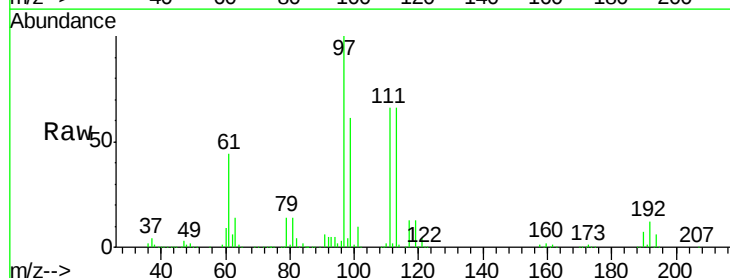
Tgt Ion: 97 Resp: 495906

Ion Ratio Lower Upper

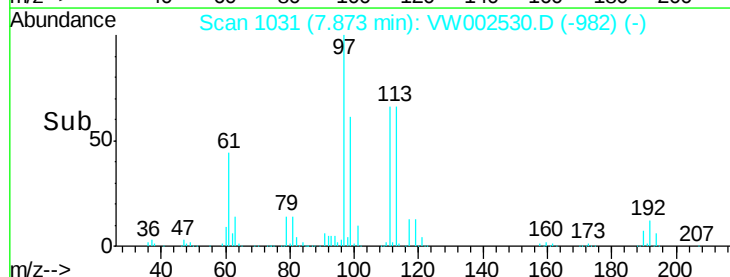
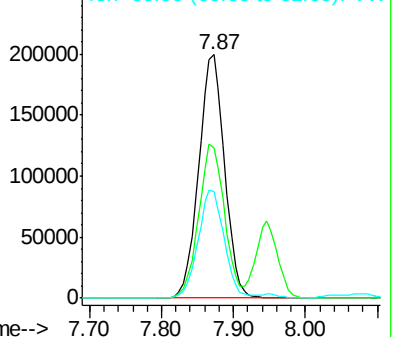
97 100

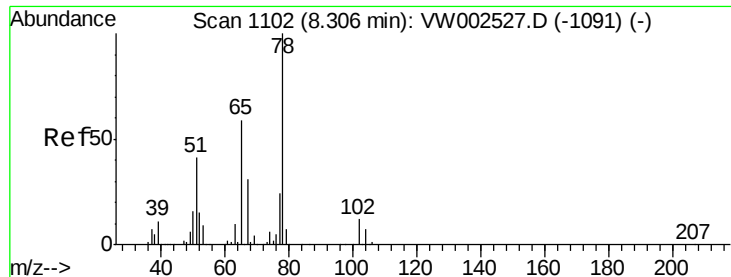
99 63.8 51.1 76.7

61 44.6 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

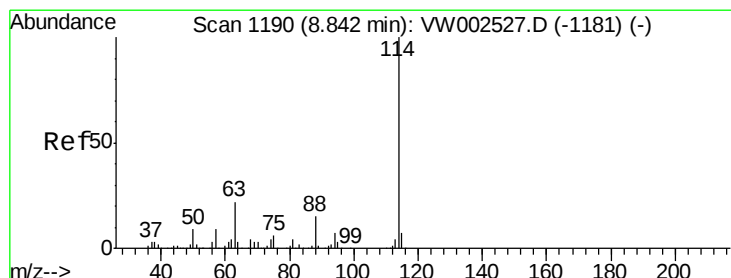
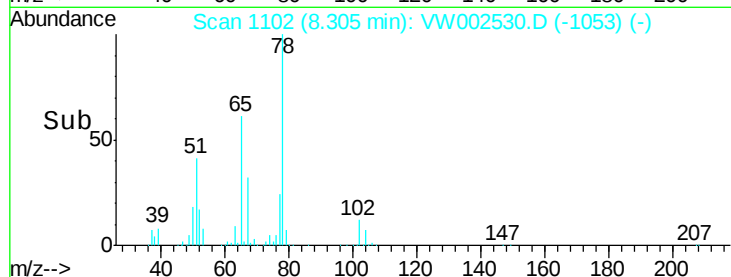
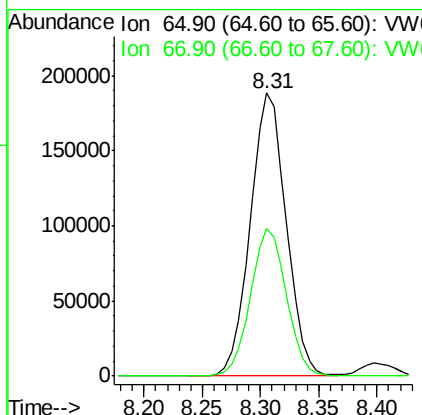
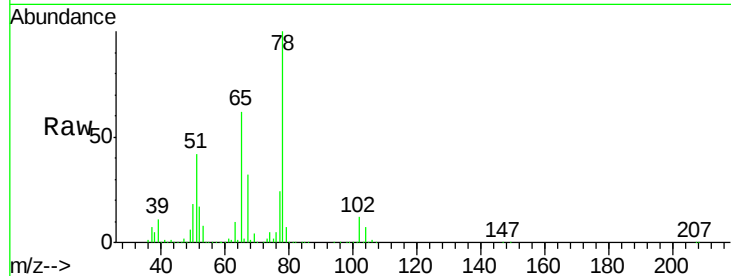




#33
 1,2-Dichloroethane-d4
 Concen: 153.19 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

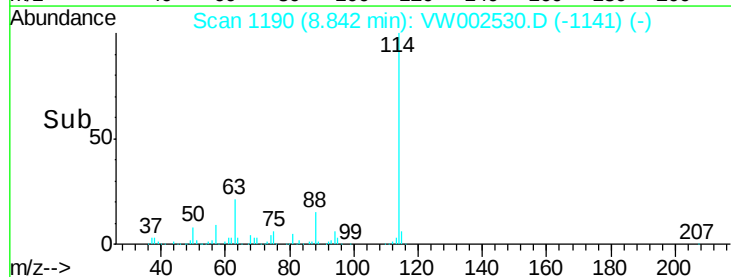
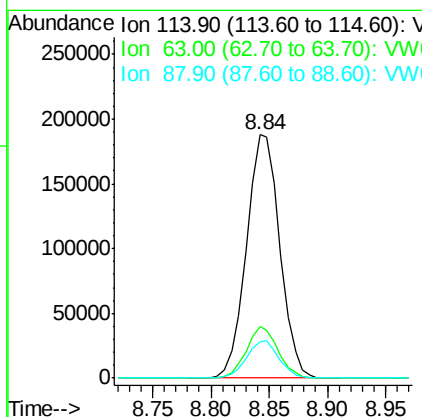
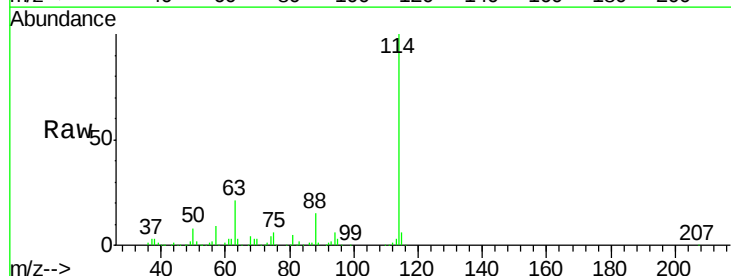
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

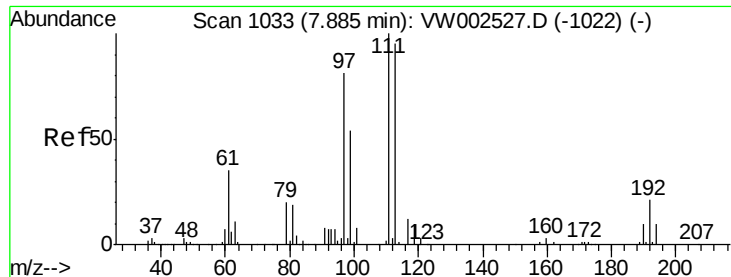
Tgt Ion: 65 Resp: 403260
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion: 114 Resp: 373331
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.2
 88 15.1 0.0 29.2

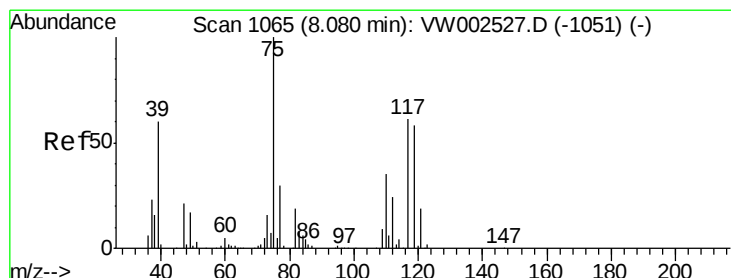
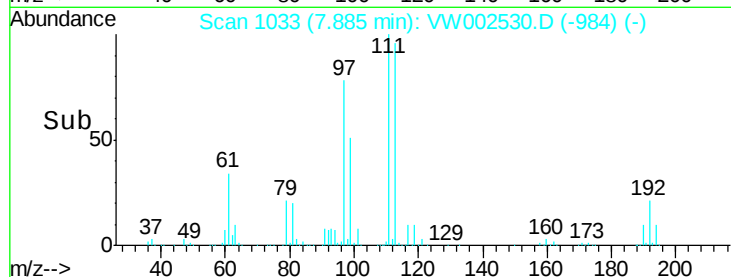
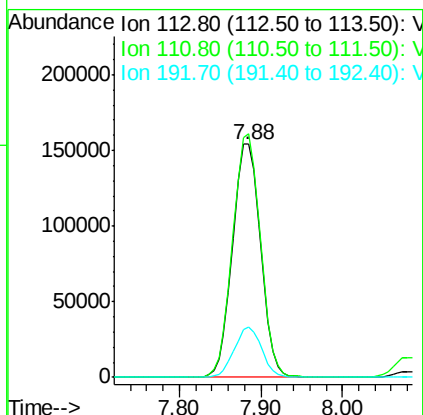
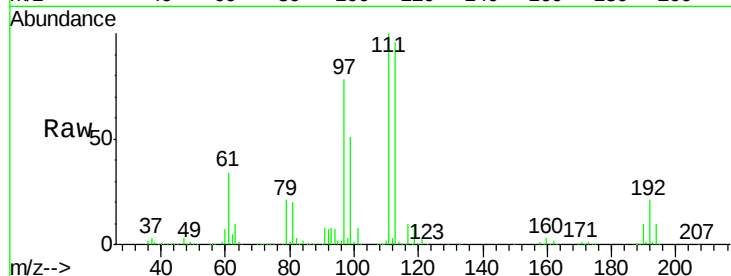




#35
 Dibromofluoromethane
 Concen: 154.54 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

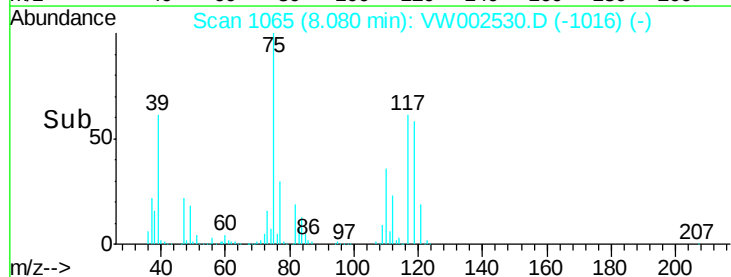
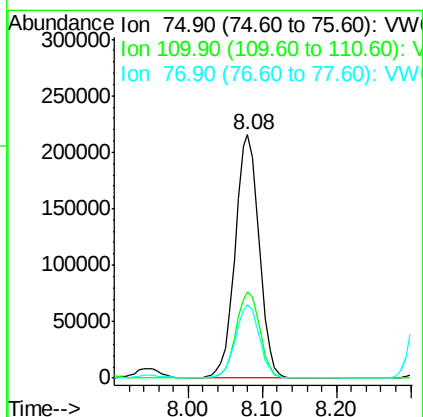
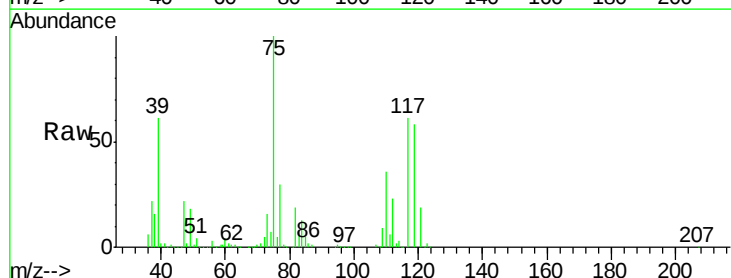
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

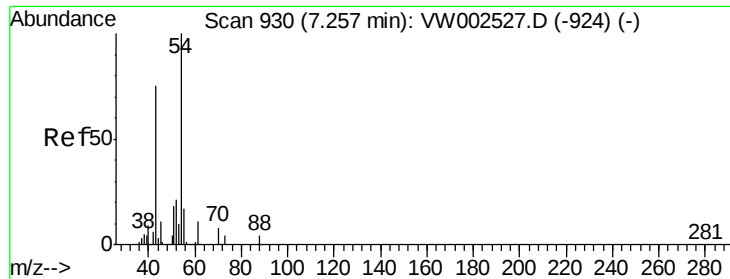
Tgt Ion:113 Resp: 367332
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.8 122.8
 192 21.0 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 144.42 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion: 75 Resp: 486290
 Ion Ratio Lower Upper
 75 100
 110 35.4 17.8 53.5
 77 30.4 24.5 36.7

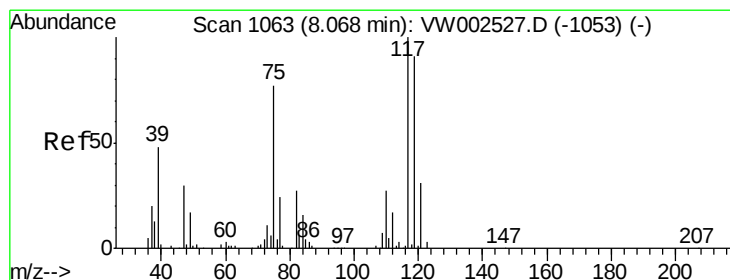
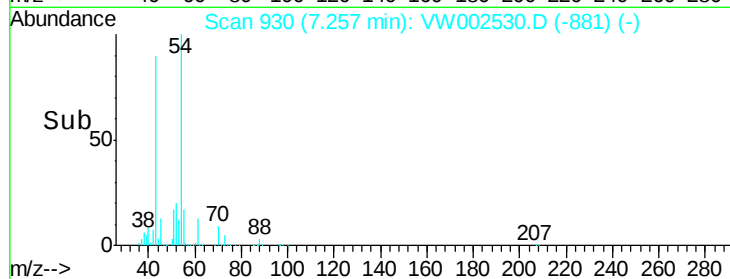
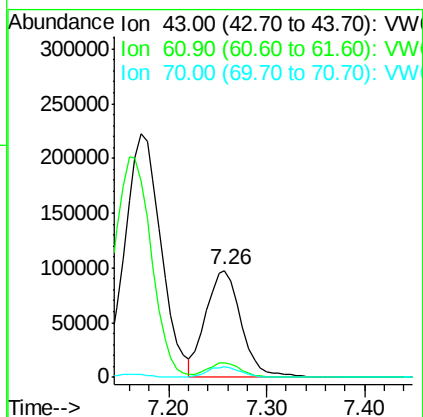
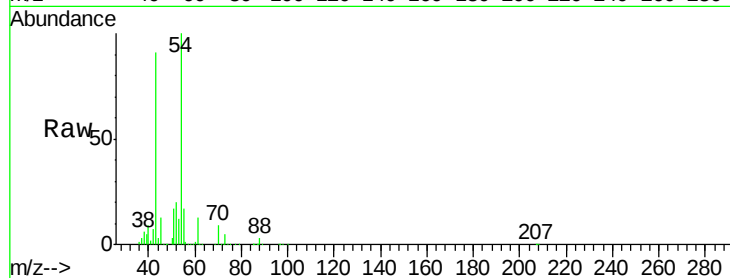




#37
 Ethyl Acetate
 Concen: 147.53 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

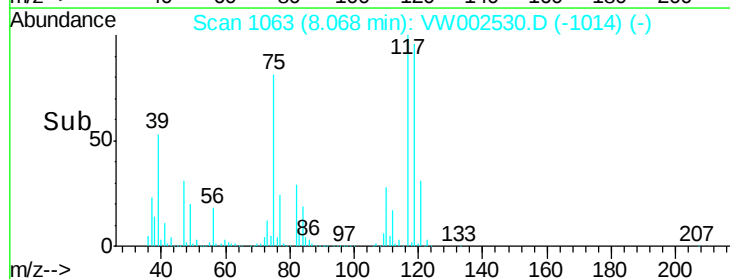
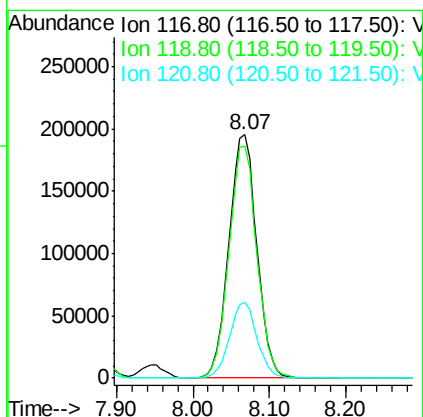
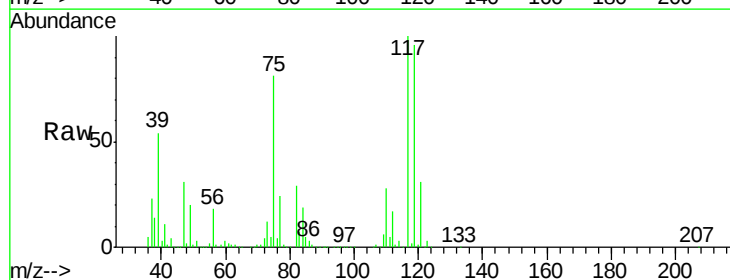
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

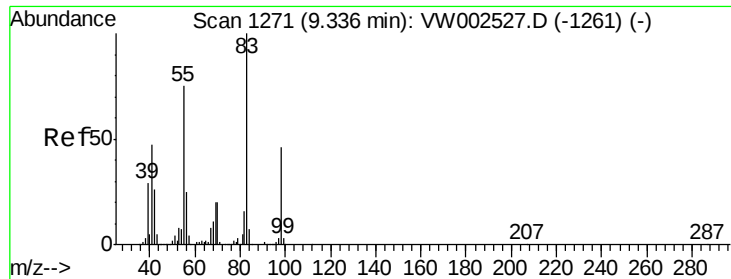
Tgt Ion: 43 Resp: 244339
 Ion Ratio Lower Upper
 43 100
 61 13.3 11.1 16.7
 70 9.6 7.8 11.8



#38
 Carbon Tetrachloride
 Concen: 150.80 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion: 117 Resp: 492698
 Ion Ratio Lower Upper
 117 100
 119 95.5 73.1 109.7
 121 31.4 24.4 36.6

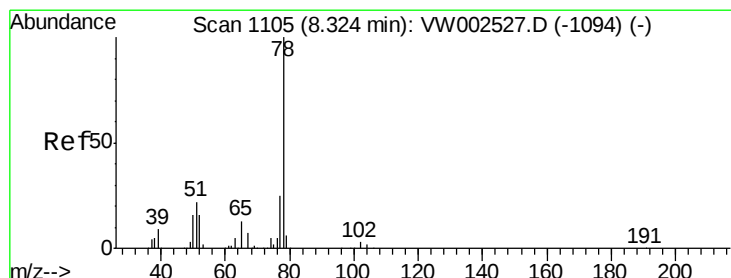
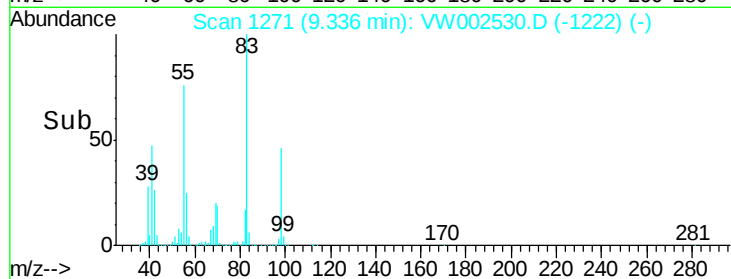
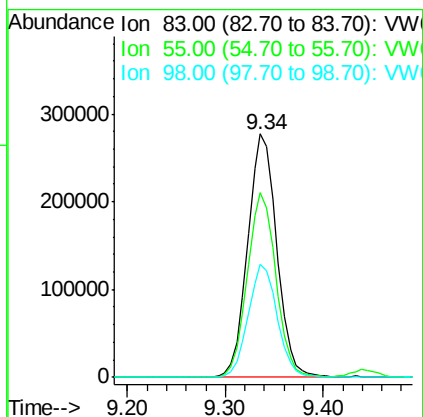
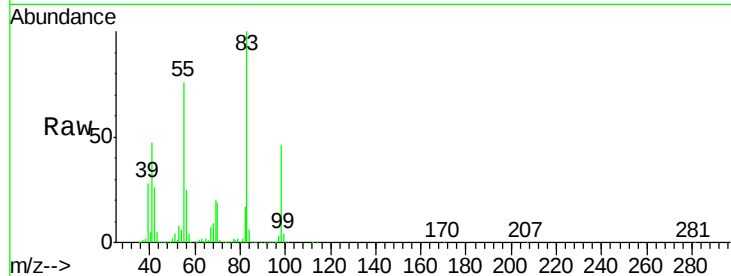




#39
Methylcyclohexane
Concen: 145.82 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

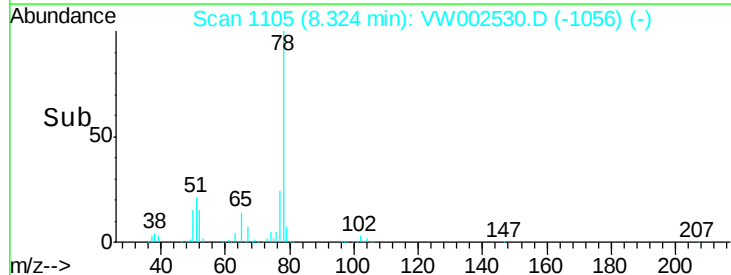
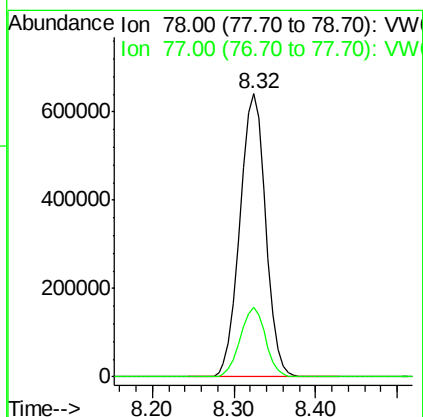
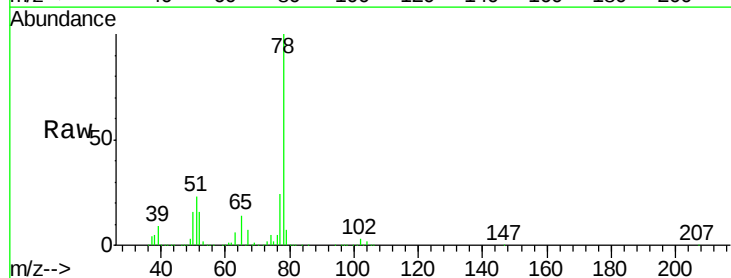
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

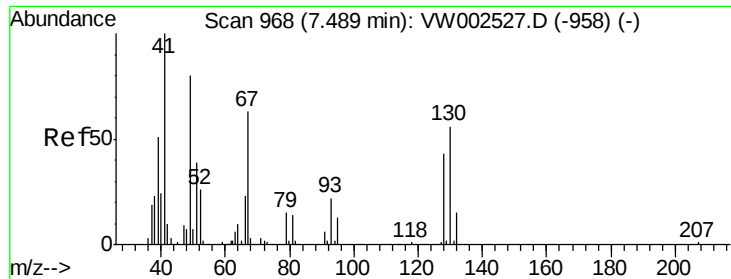
Tgt Ion: 83 Resp: 571206
Ion Ratio Lower Upper
83 100
55 76.0 60.0 90.0
98 46.3 37.0 55.4



#40
Benzene
Concen: 142.88 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion: 78 Resp: 1399368
Ion Ratio Lower Upper
78 100
77 24.4 19.9 29.9

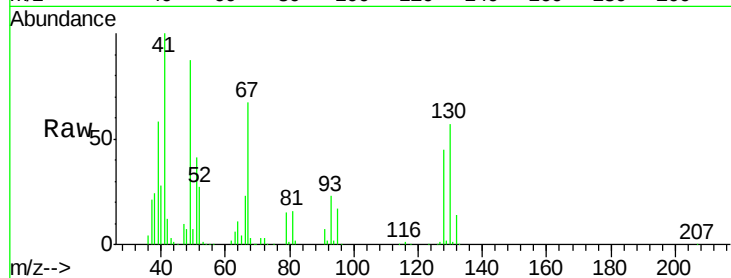




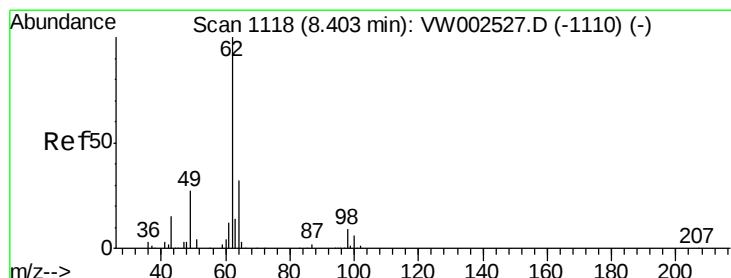
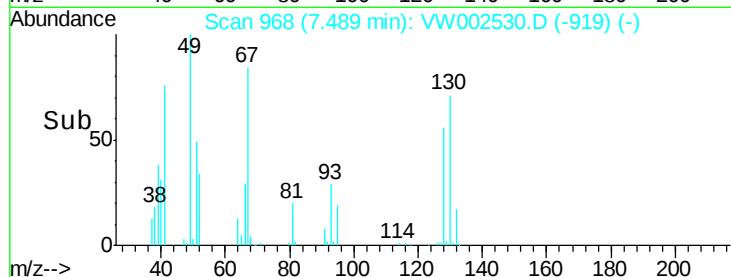
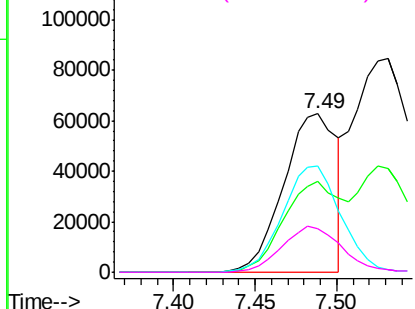
#41
Methacrylonitrile
Concen: 152.75 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:	41	Resp:	142030
Ion	Ratio	Lower	Upper
41	100		
39	63.9	51.8	77.8
67	73.7	59.9	89.9
52	32.6	26.6	39.8

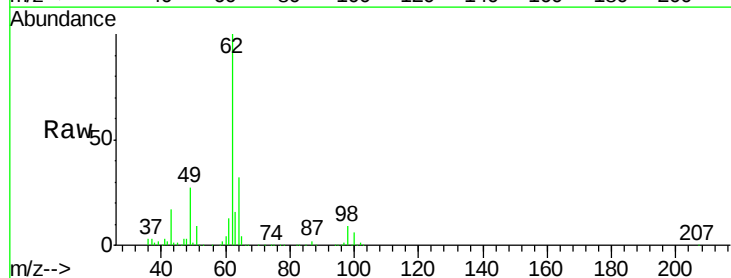


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

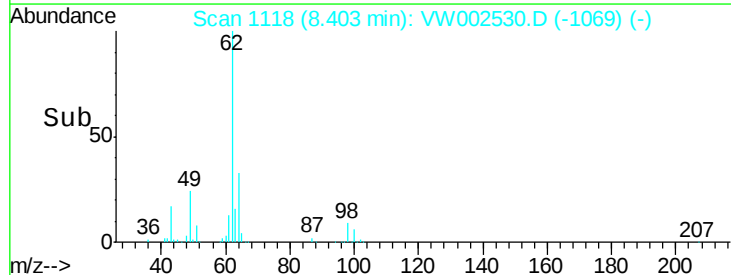
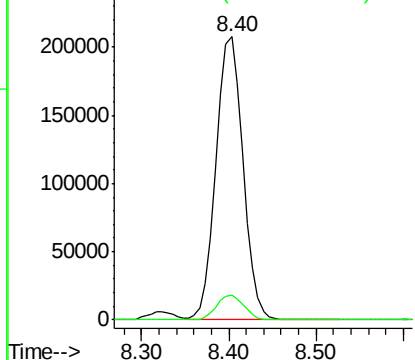


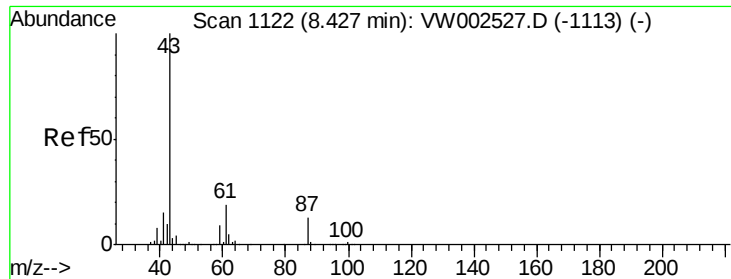
#42
1,2-Dichloroethane
Concen: 145.15 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion:	62	Resp:	445971
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 156.56 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

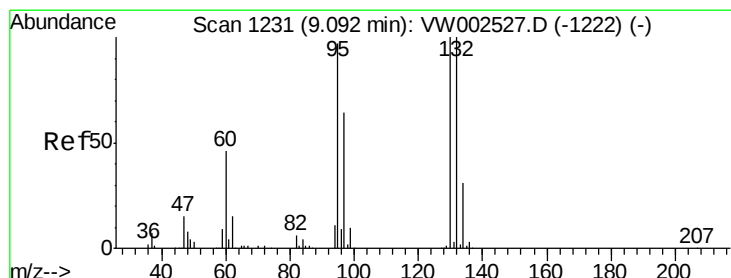
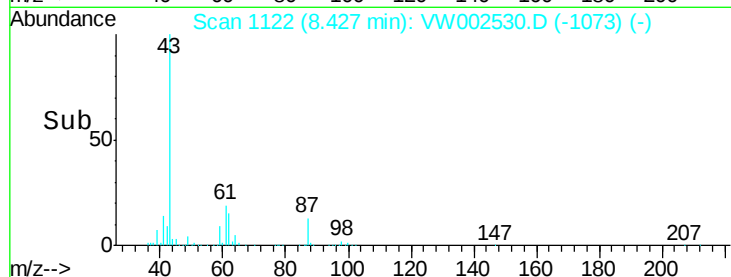
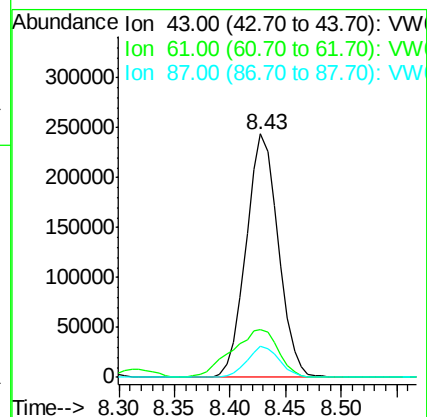
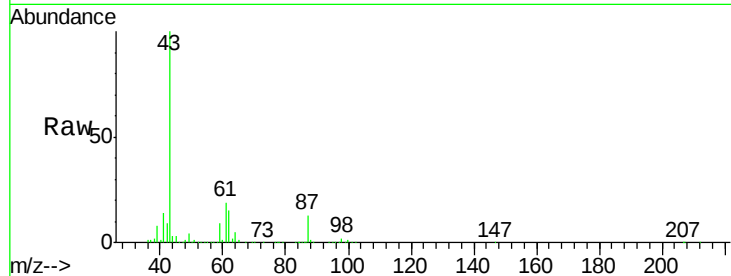
Tgt Ion: 43 Resp: 491824

Ion Ratio Lower Upper

43 100

61 28.2 23.0 34.6

87 12.7 10.6 15.8



#44

Trichloroethene

Concen: 141.33 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW002530.D

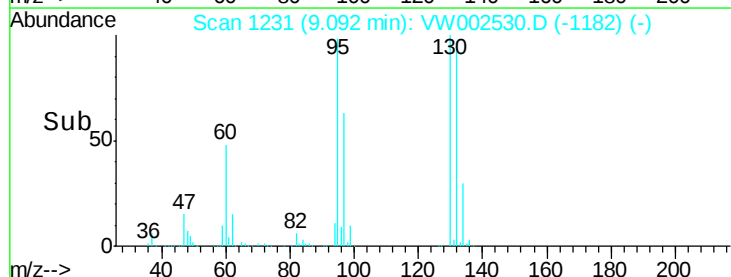
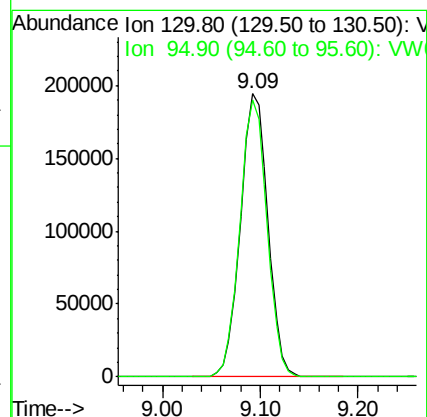
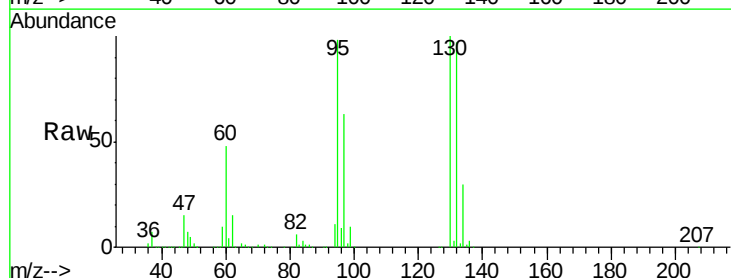
Acq: 14 May 2018 23:21

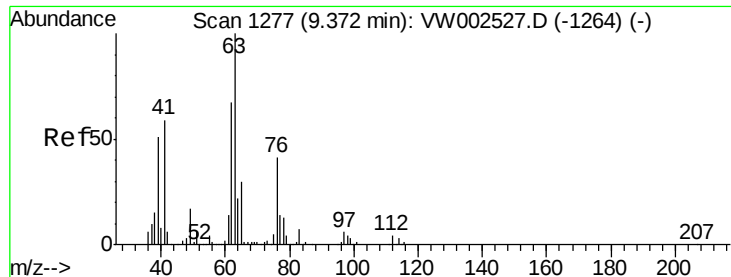
Tgt Ion: 130 Resp: 378425

Ion Ratio Lower Upper

130 100

95 98.0 0.0 194.6





#45

1,2-Dichloropropane

Concen: 144.97 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

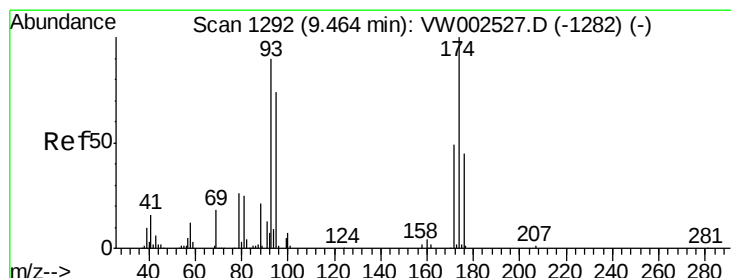
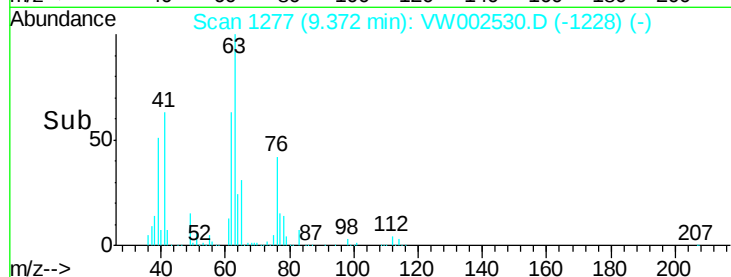
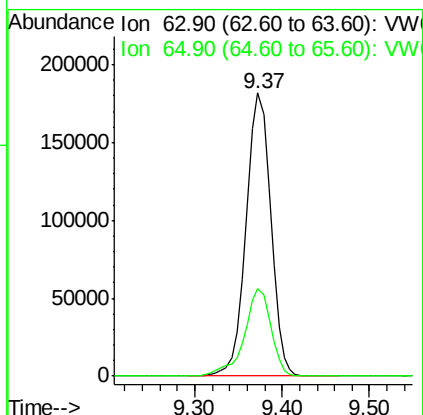
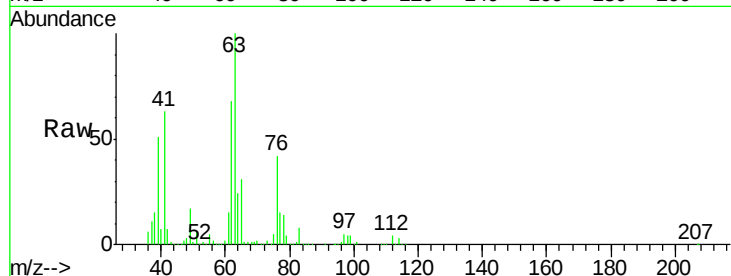
VSTDIC150

Tgt Ion: 63 Resp: 357592

Ion Ratio Lower Upper

63 100

65 31.0 24.4 36.6



#46

Dibromomethane

Concen: 146.71 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

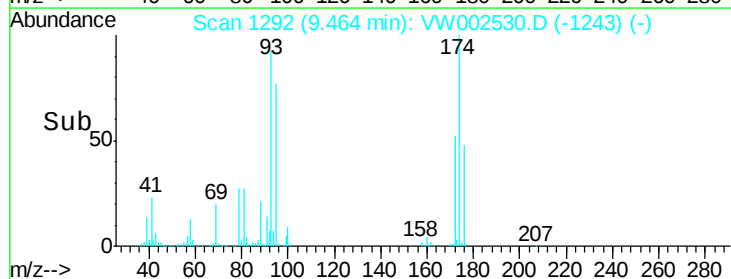
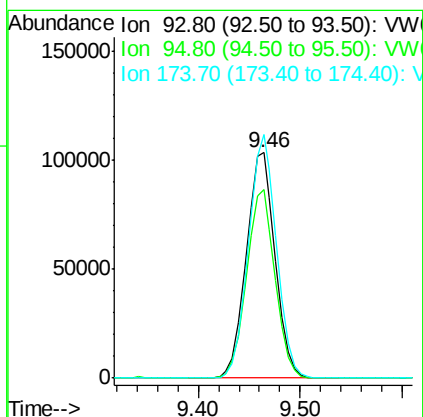
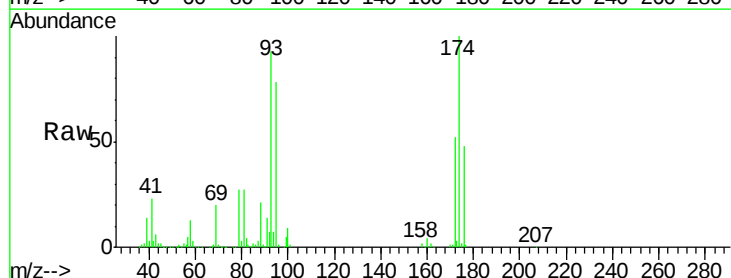
Tgt Ion: 93 Resp: 202864

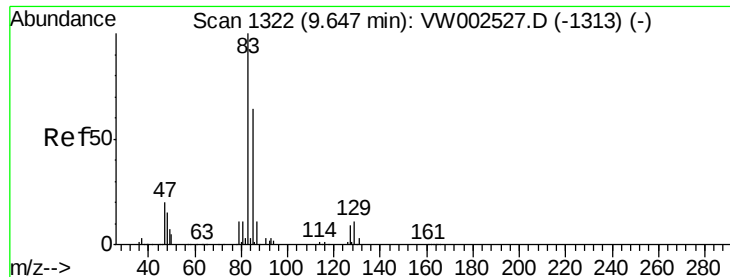
Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

174 105.2 84.0 126.0





#47

Bromodichloromethane

Concen: 151.23 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

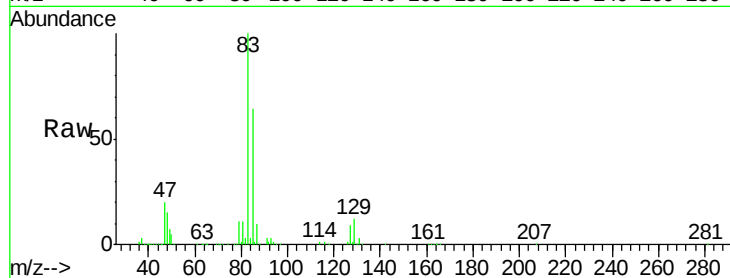
Tgt Ion: 83 Resp: 492486

Ion Ratio Lower Upper

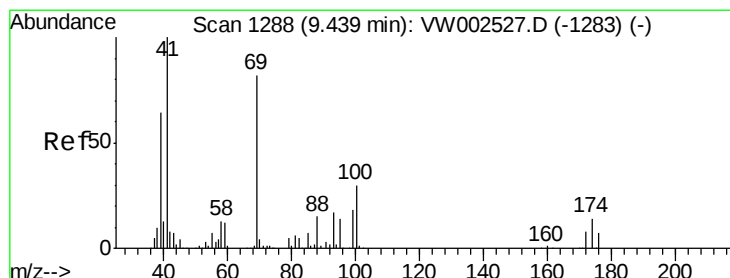
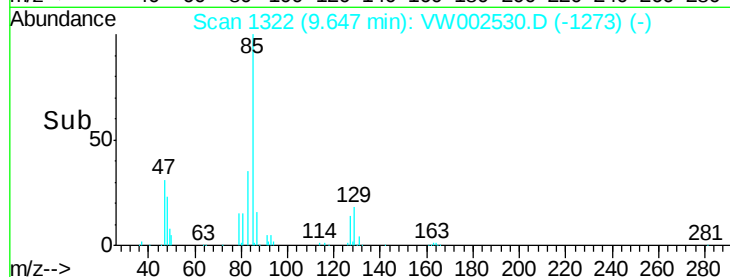
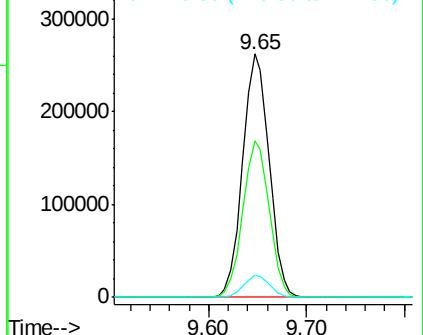
83 100

85 64.1 51.4 77.2

127 8.9 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 159.86 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

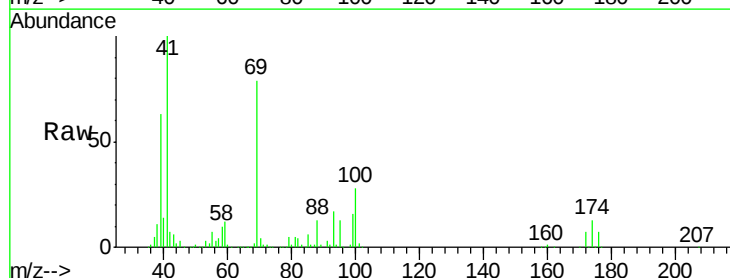
Tgt Ion: 41 Resp: 243436

Ion Ratio Lower Upper

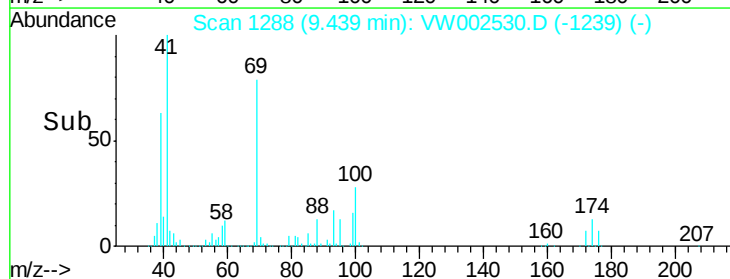
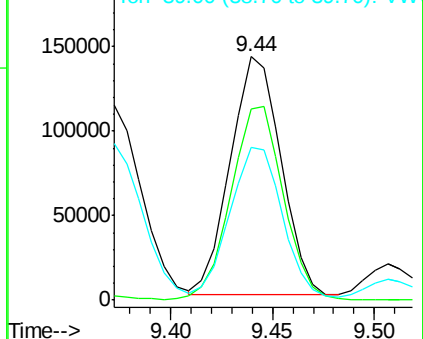
41 100

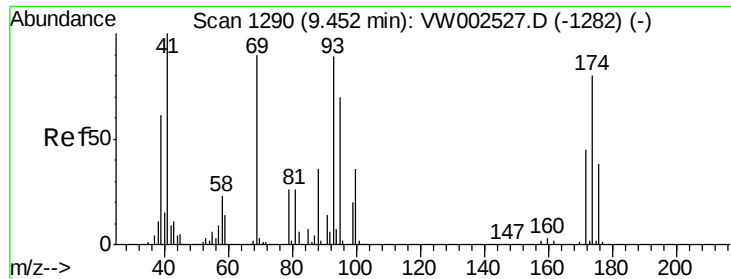
69 84.3 69.7 104.5

39 67.3 55.0 82.4



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 3044.83 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

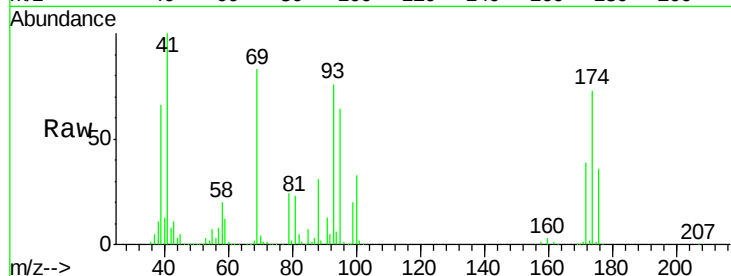
Tgt Ion: 88 Resp: 67937

Ion Ratio Lower Upper

88 100

43 32.7 27.0 40.4

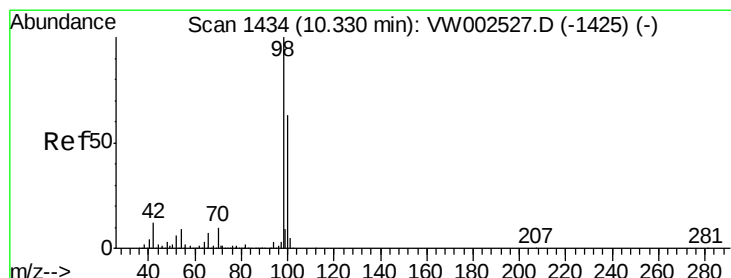
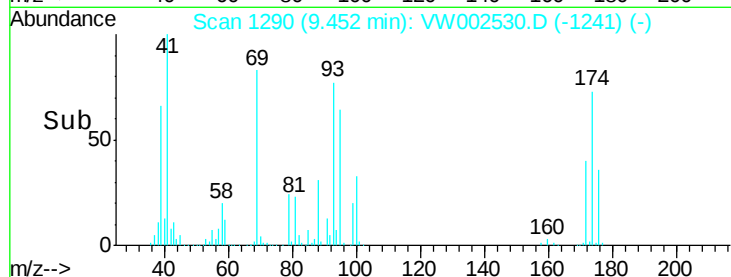
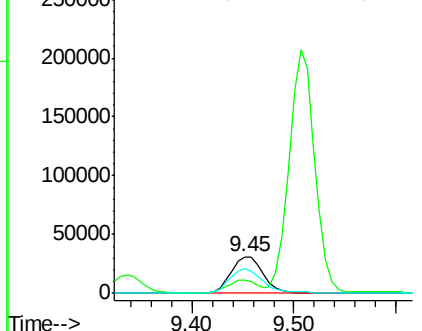
58 69.7 56.9 85.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 158.65 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002530.D

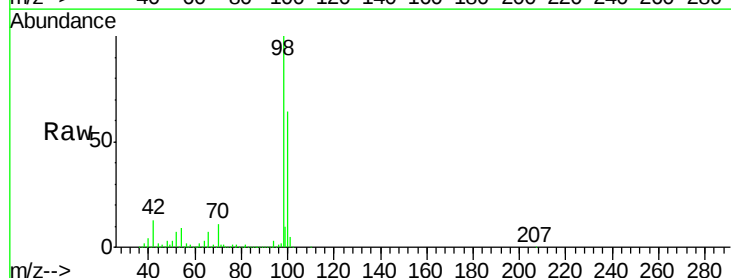
Acq: 14 May 2018 23:21

Tgt Ion: 98 Resp: 1441478

Ion Ratio Lower Upper

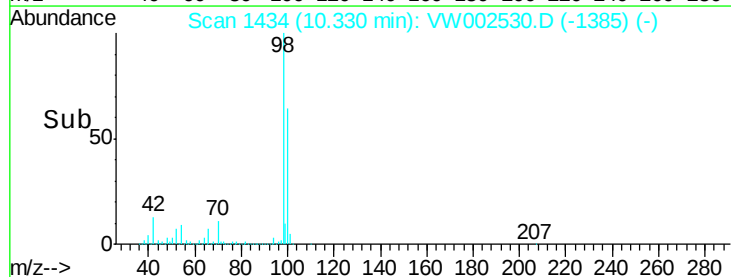
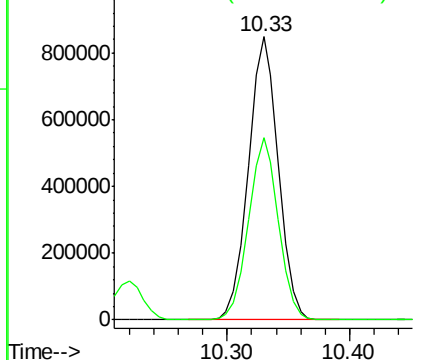
98 100

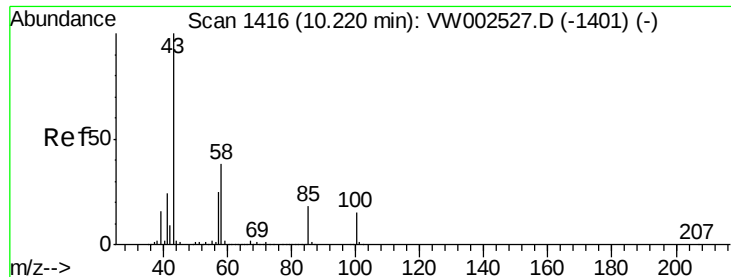
100 64.1 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

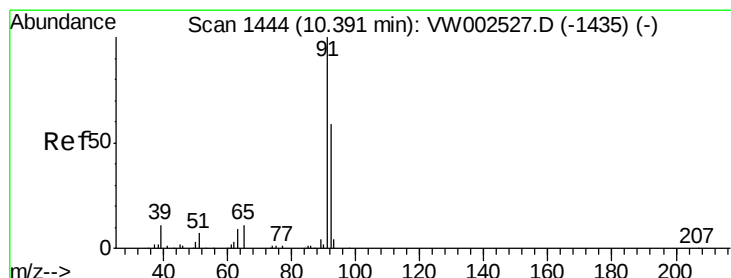
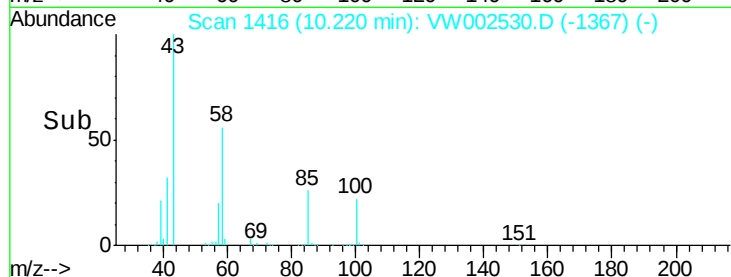
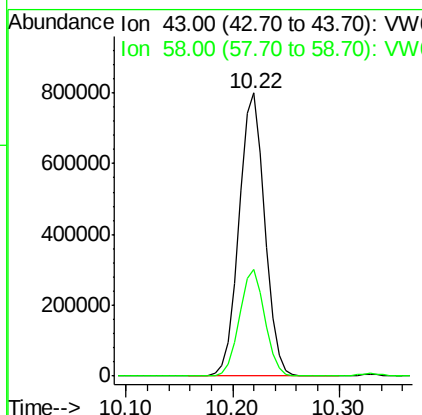
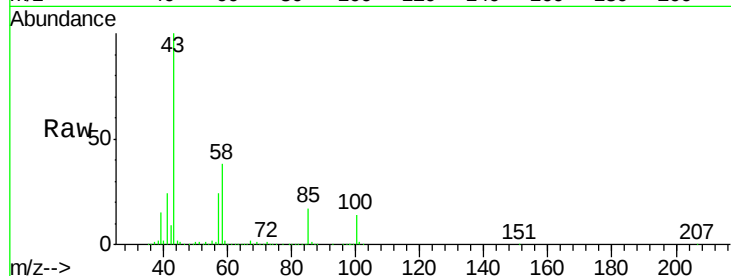




#51
 4-Methyl-2-Pentanone
 Concen: 777.96 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

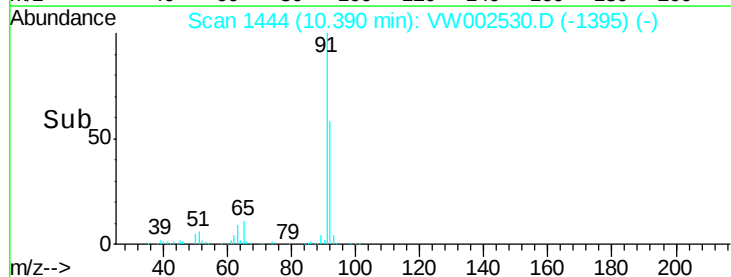
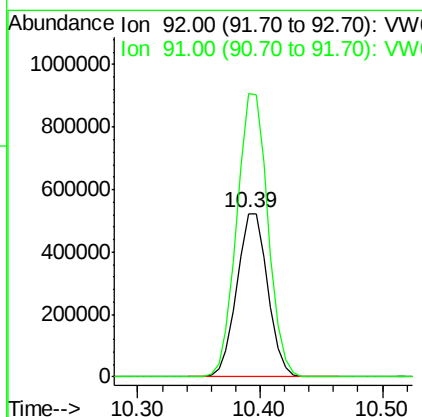
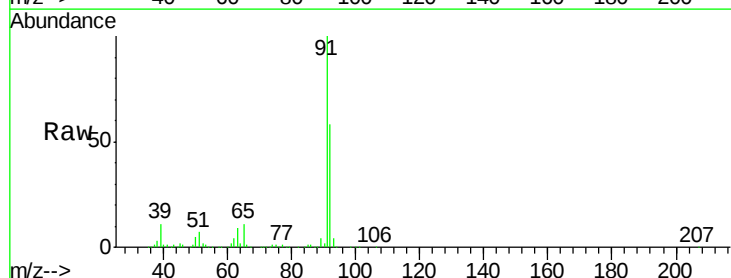
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

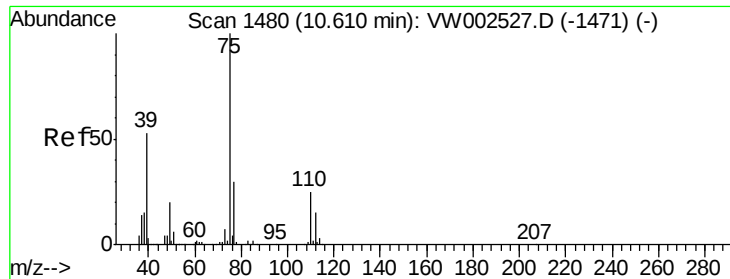
Tgt Ion: 43 Resp: 1353817
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.1 45.1



#52
 Toluene
 Concen: 147.15 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion: 92 Resp: 915285
 Ion Ratio Lower Upper
 92 100
 91 174.8 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 158.64 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

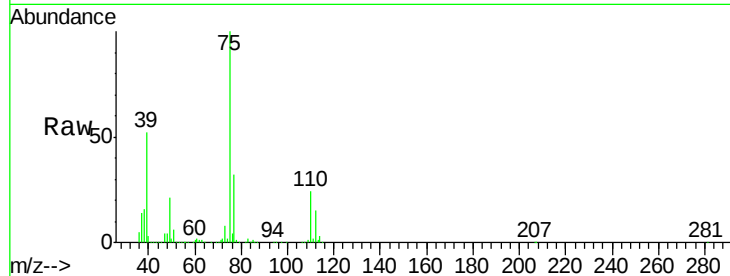
VSTDIC150

Tgt Ion: 75 Resp: 512042

Ion Ratio Lower Upper

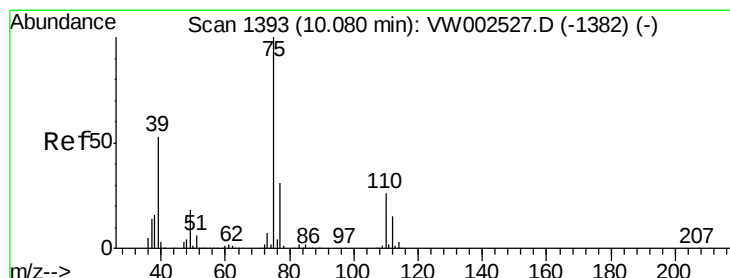
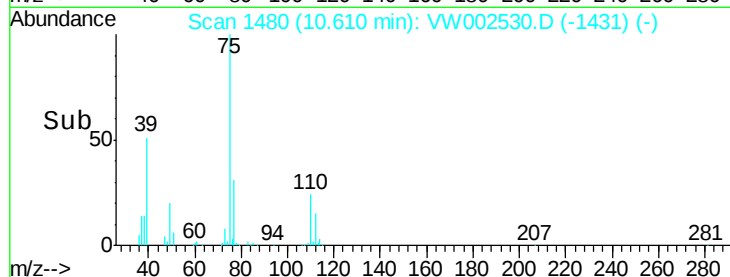
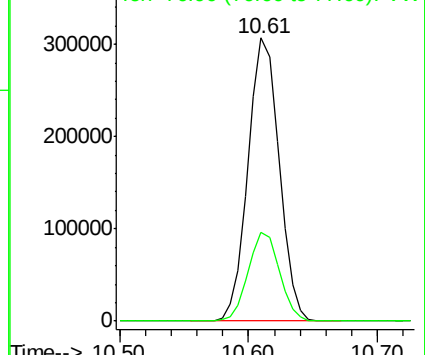
75 100

77 31.5 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 154.33 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

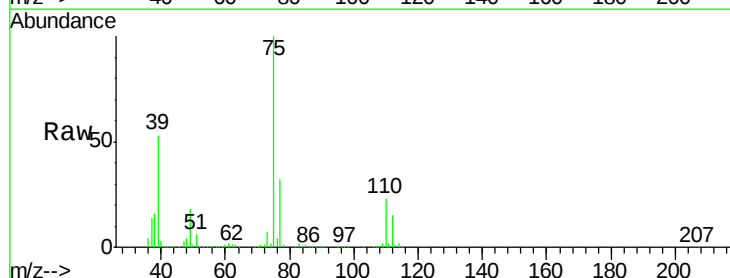
Tgt Ion: 75 Resp: 565866

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4

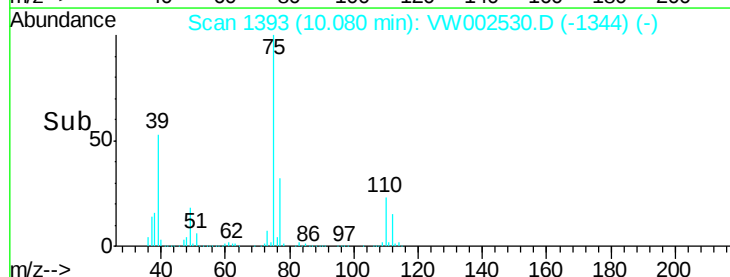
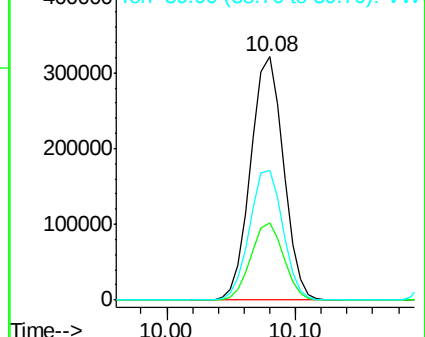
39 53.4 42.5 63.7

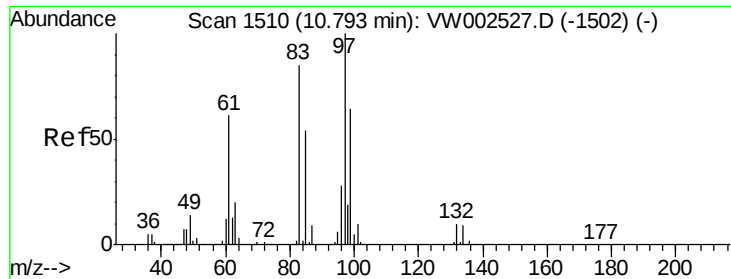


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

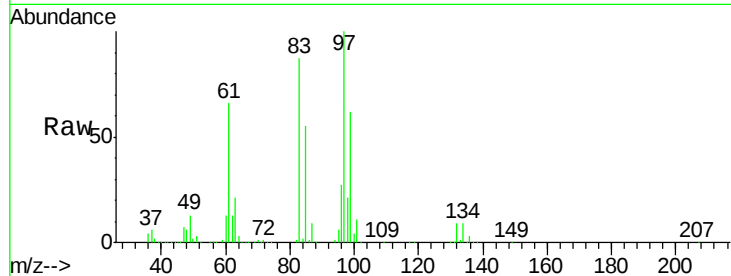




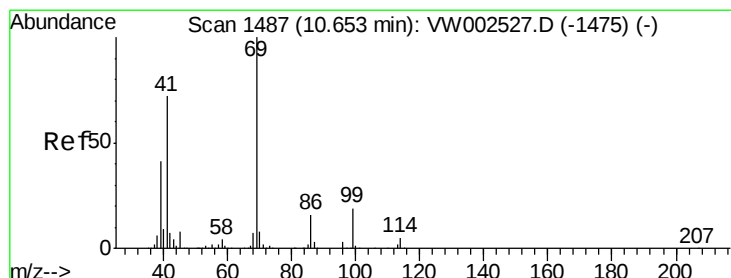
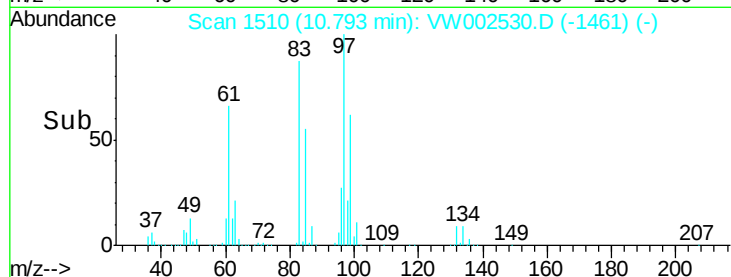
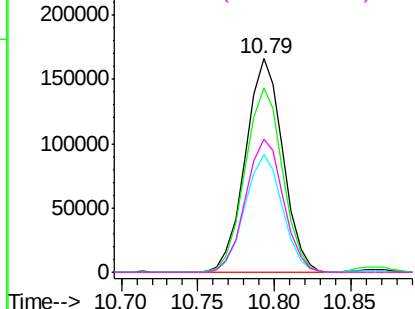
#55
 1,1,2-Trichloroethane
 Concen: 144.93 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:	97	Resp:	282493
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.1	102.1
85	55.2	43.6	65.4
99	62.0	51.2	76.8

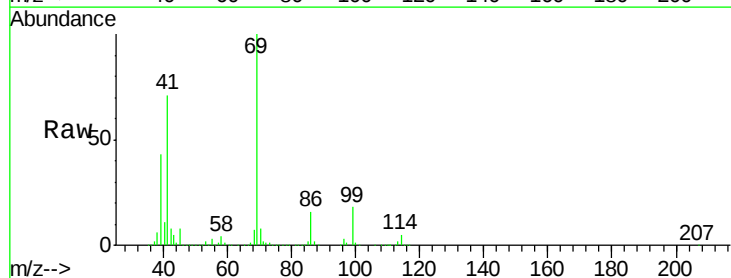


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

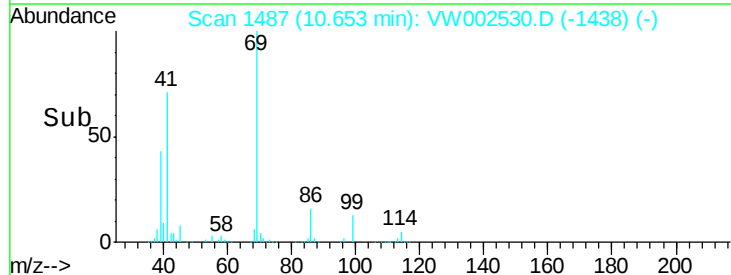
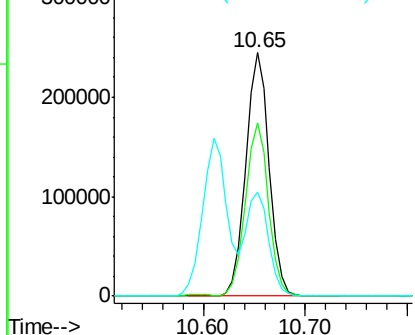


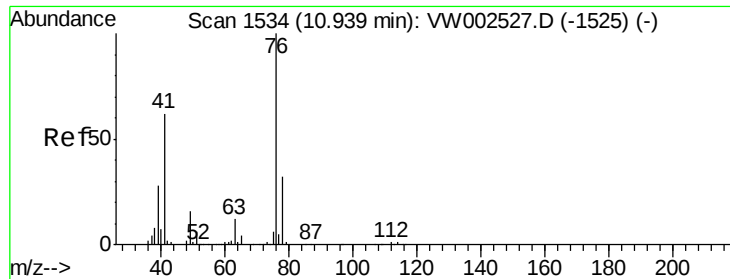
#56
 Ethyl methacrylate
 Concen: 160.86 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion:	69	Resp:	388159
Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.3	82.9
39	41.0	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

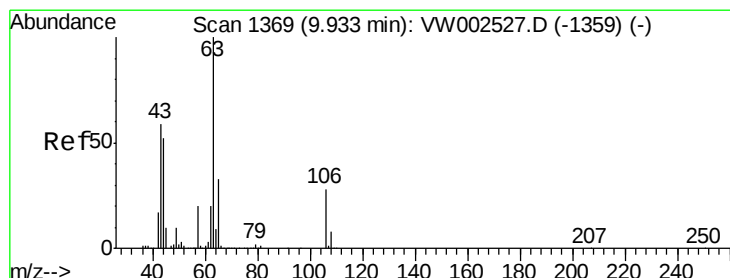
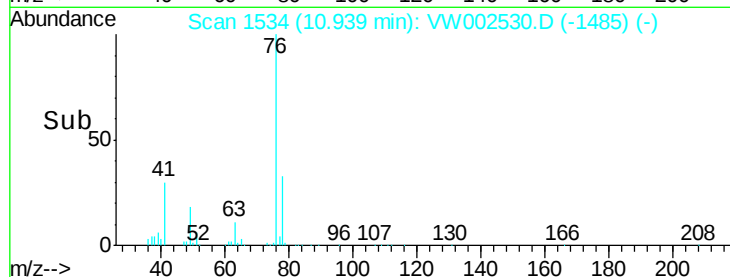
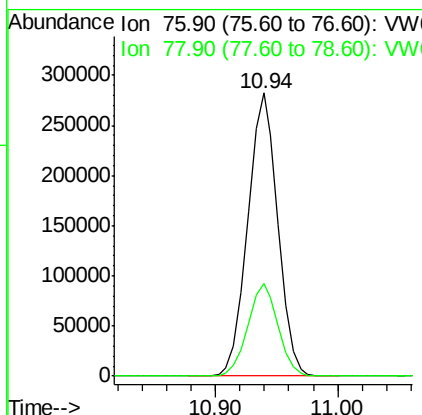
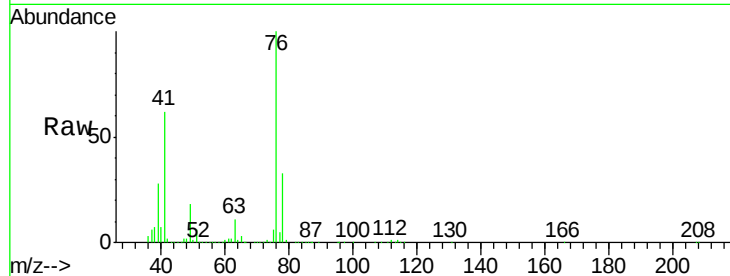




#57
 1,3-Dichloropropane
 Concen: 145.21 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

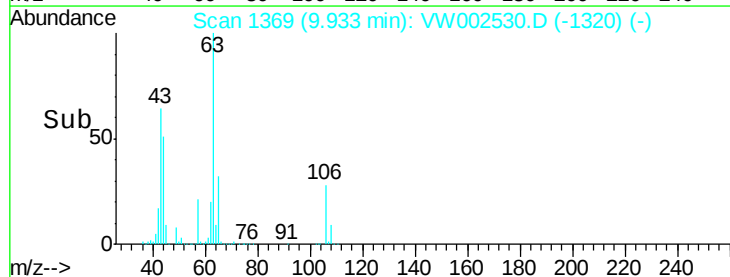
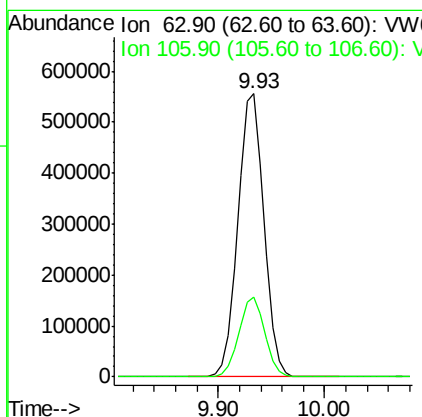
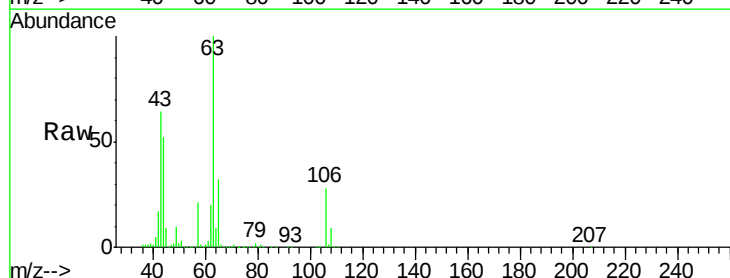
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

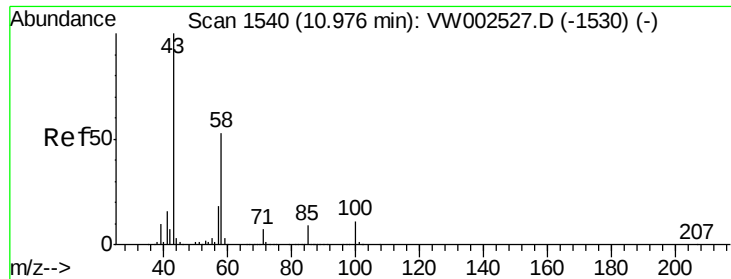
Tgt Ion: 76 Resp: 480313
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 814.69 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion: 63 Resp: 955620
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.9 34.3

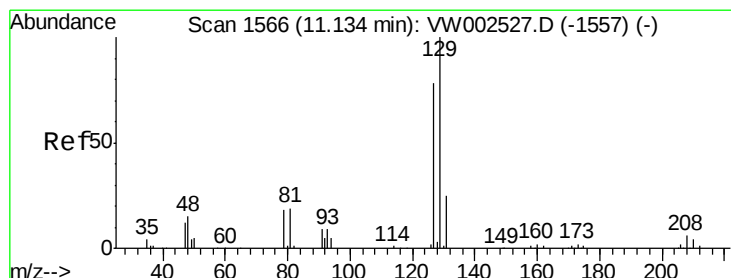
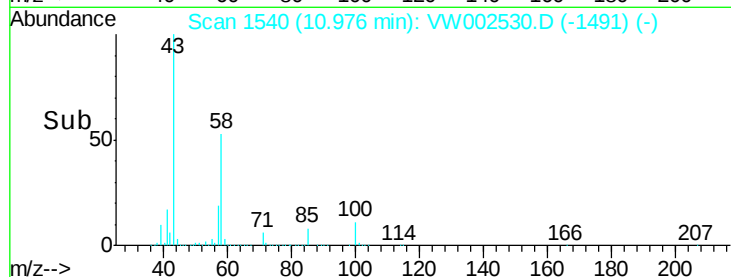
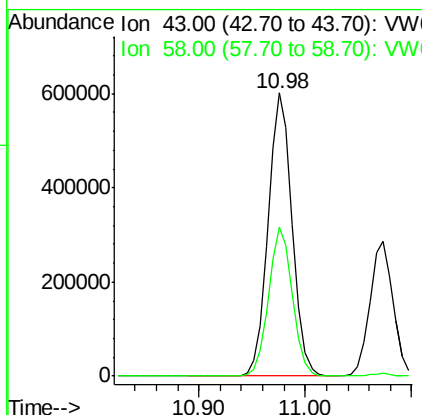
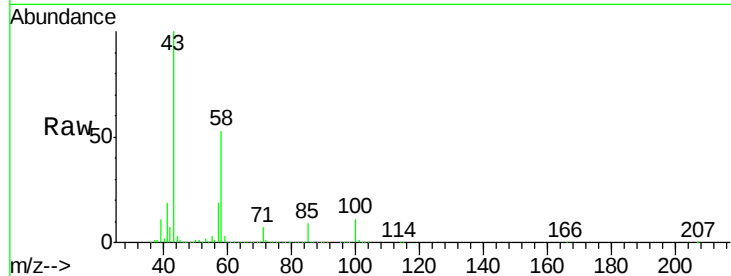




#59
2-Hexanone
Concen: 791.03 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

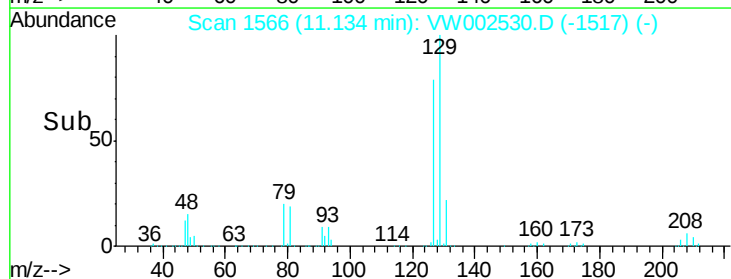
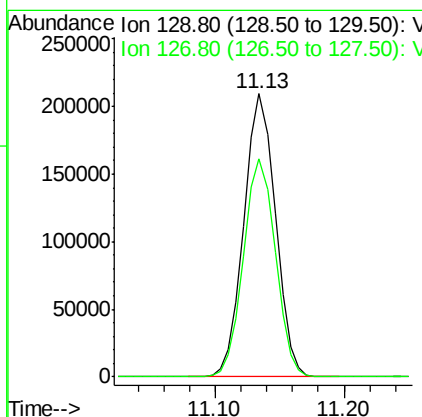
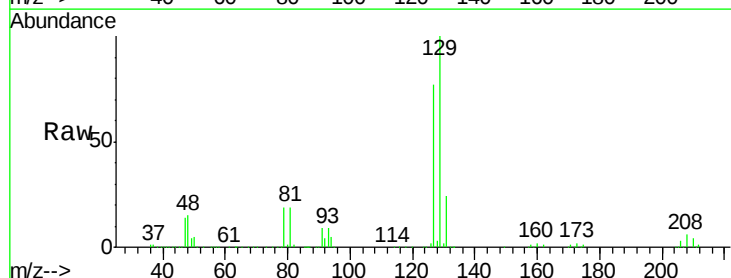
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

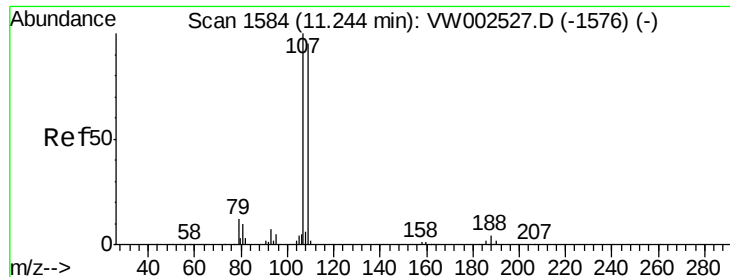
Tgt Ion: 43 Resp: 943214
Ion Ratio Lower Upper
43 100
58 52.0 26.3 78.8



#60
Dibromochloromethane
Concen: 154.30 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion: 129 Resp: 355374
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7





#61

1,2-Dibromoethane

Concen: 146.29 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

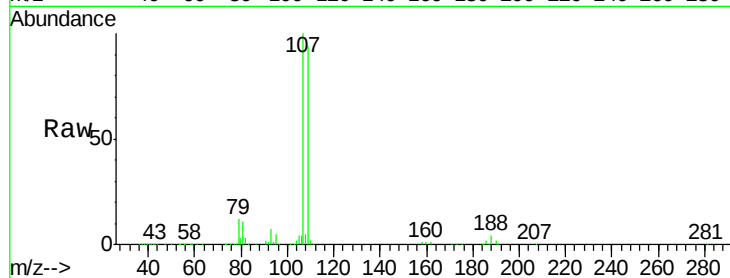
VSTDIC150

Tgt Ion: 107 Resp: 277784

Ion Ratio Lower Upper

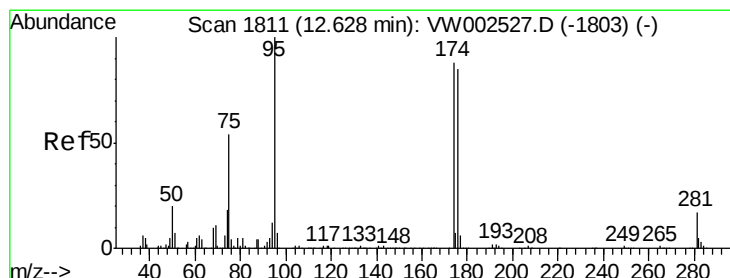
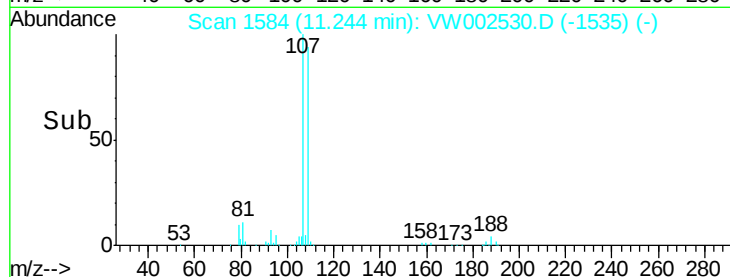
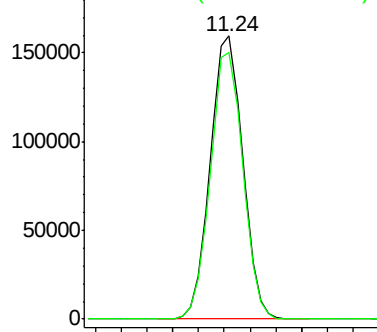
107 100

109 94.6 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 163.40 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

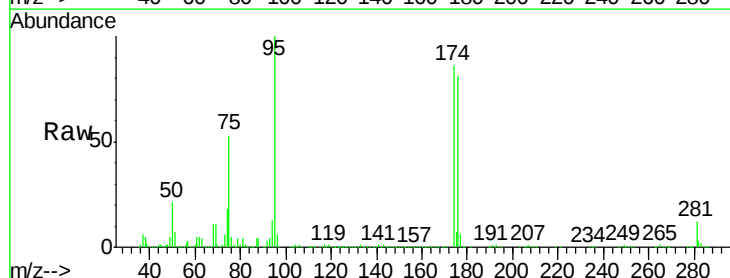
Tgt Ion: 95 Resp: 536851

Ion Ratio Lower Upper

95 100

174 85.7 0.0 176.6

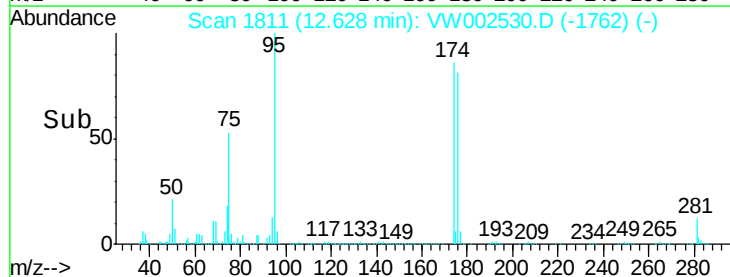
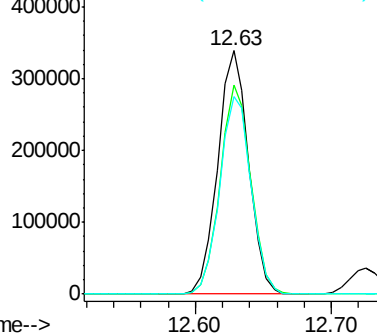
176 82.9 0.0 172.2

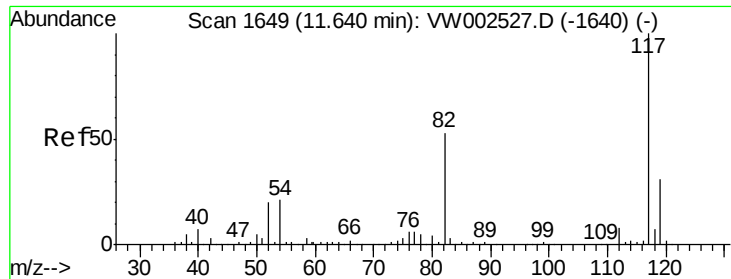


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

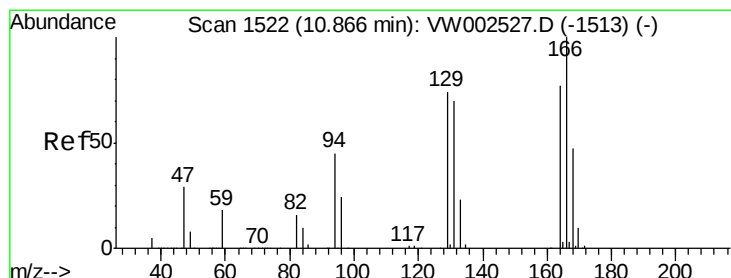
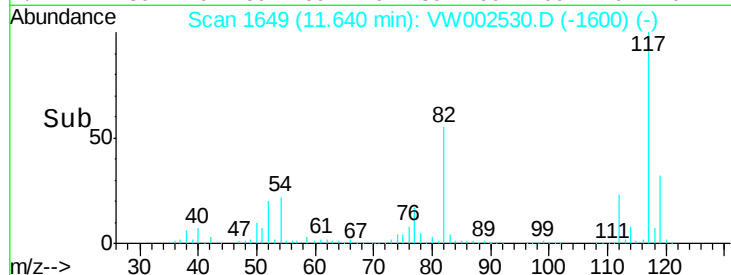
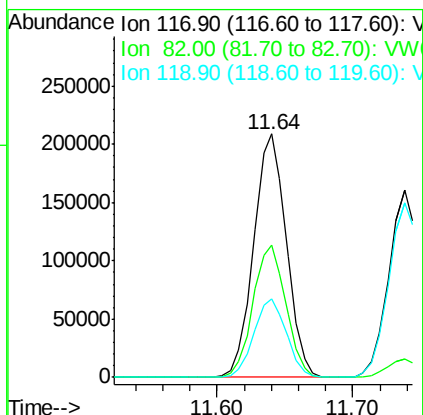
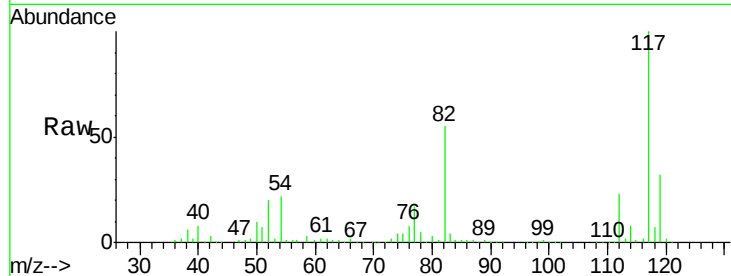




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

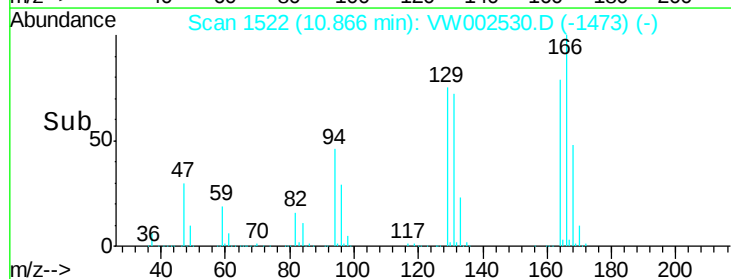
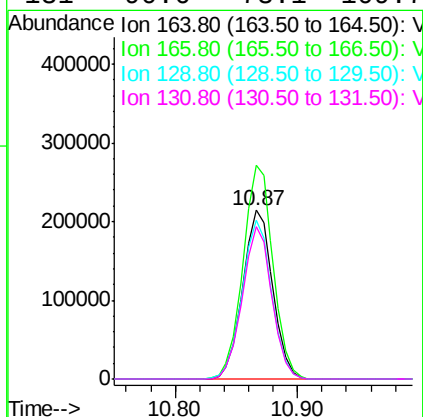
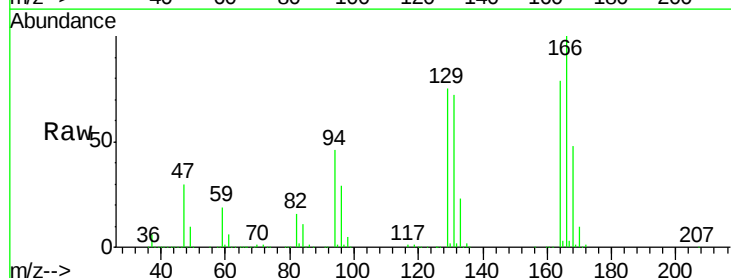
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

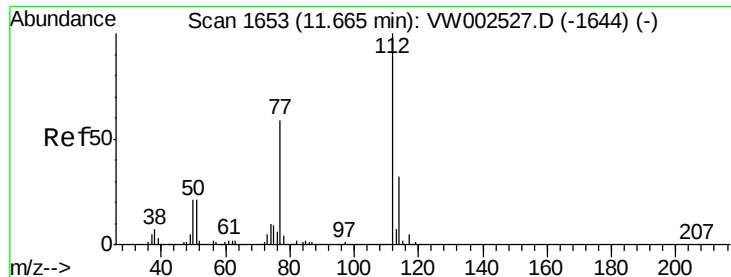
Tgt Ion:117 Resp: 351731
Ion Ratio Lower Upper
117 100
82 54.5 42.6 64.0
119 32.4 25.0 37.6



#64
Tetrachloroethene
Concen: 135.89 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion:164 Resp: 362836
Ion Ratio Lower Upper
164 100
166 126.7 104.2 156.2
129 94.4 77.0 115.4
131 90.6 73.1 109.7

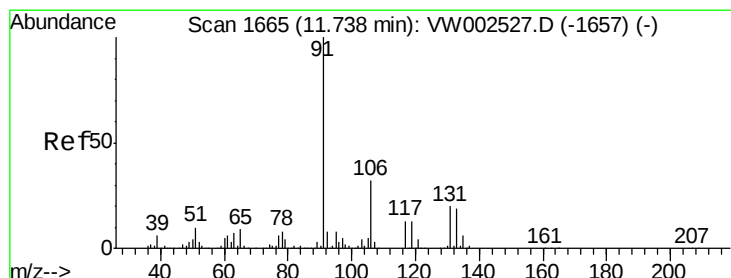
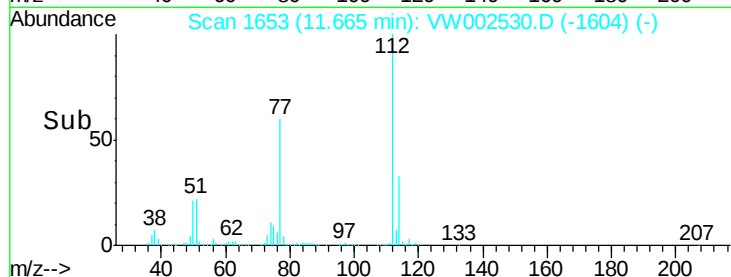
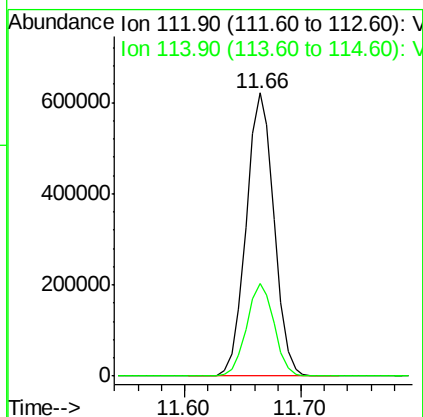
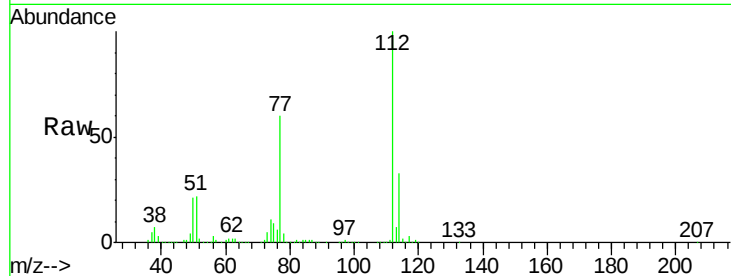




#65
Chlorobenzene
Concen: 143.93 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

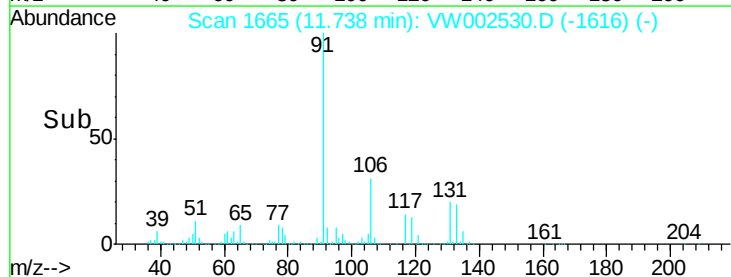
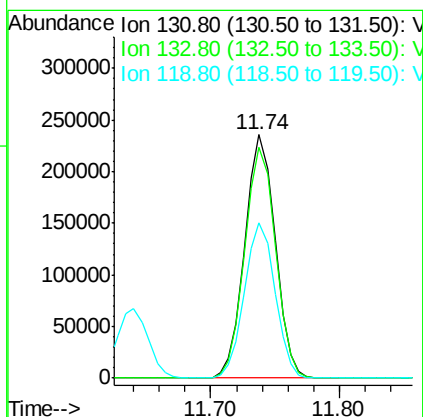
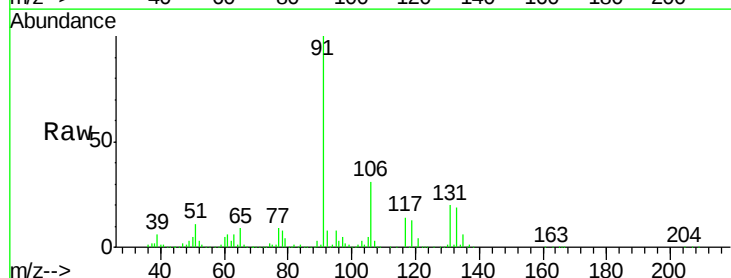
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

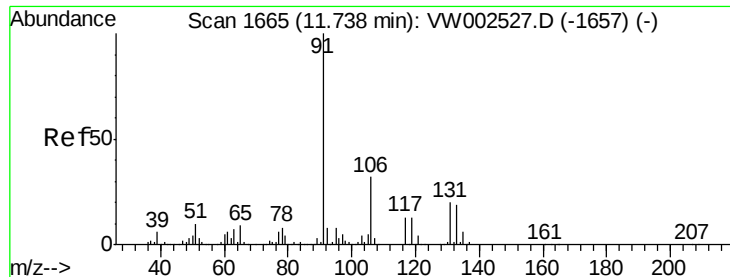
Tgt Ion:112 Resp: 1028819
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 150.93 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion:131 Resp: 385490
Ion Ratio Lower Upper
131 100
133 95.8 48.4 145.3
119 64.1 32.2 96.6

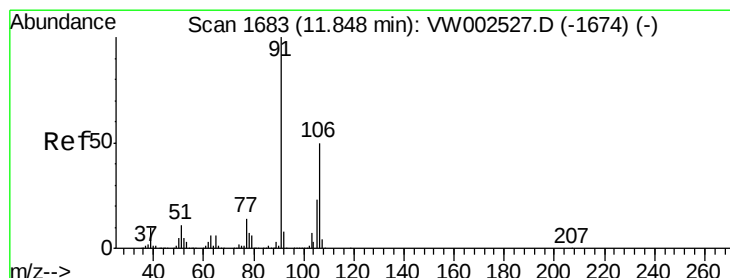
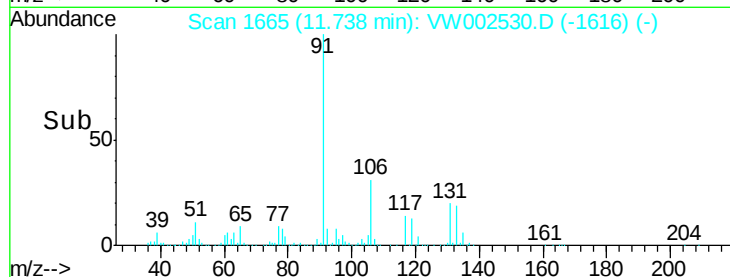
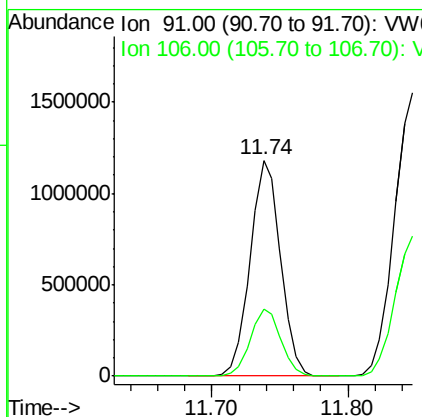
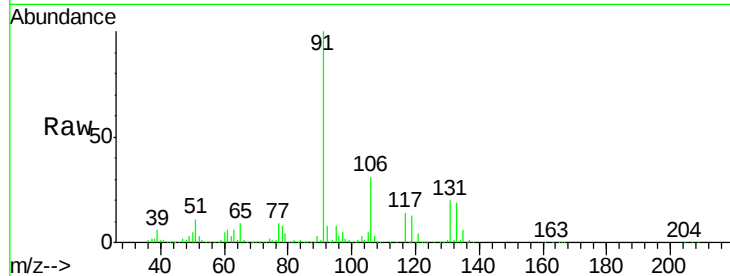




#67
 Ethyl Benzene
 Concen: 150.45 ug/l
 RT: 11.74 min Scan# 1665
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

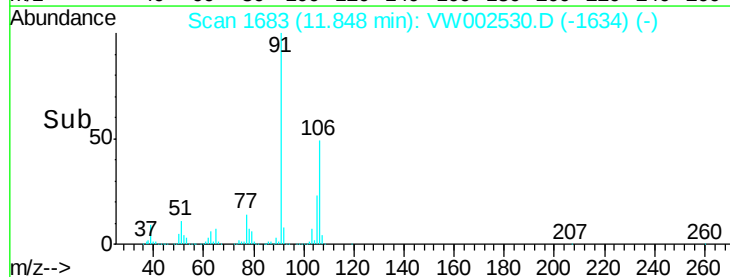
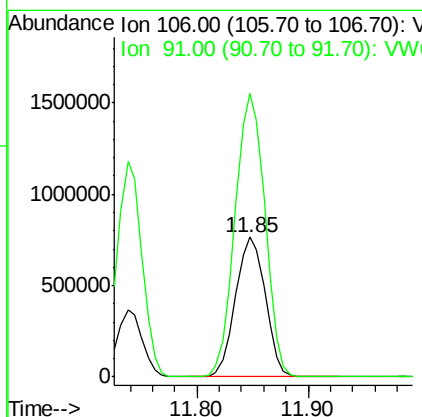
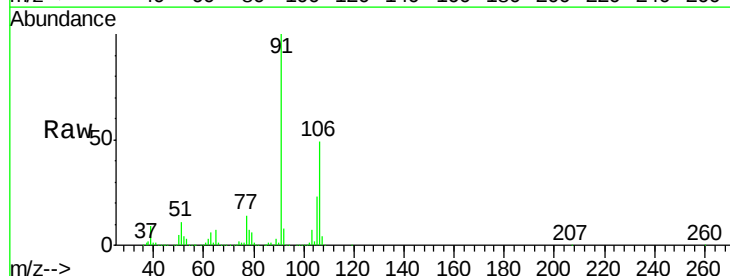
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

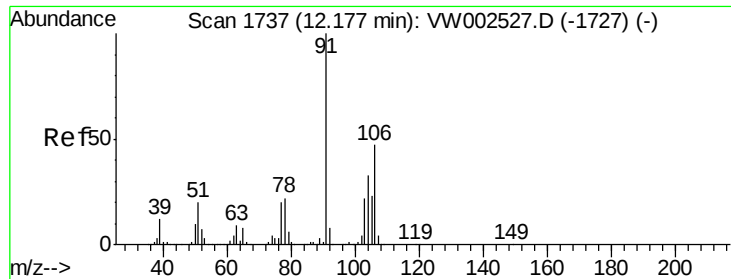
Tgt Ion: 91 Resp: 1852535
 Ion Ratio Lower Upper
 91 100
 106 31.2 25.4 38.0



#68
 m/p-Xylenes
 Concen: 299.67 ug/l
 RT: 11.85 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion: 106 Resp: 1422655
 Ion Ratio Lower Upper
 106 100
 91 202.8 161.4 242.2

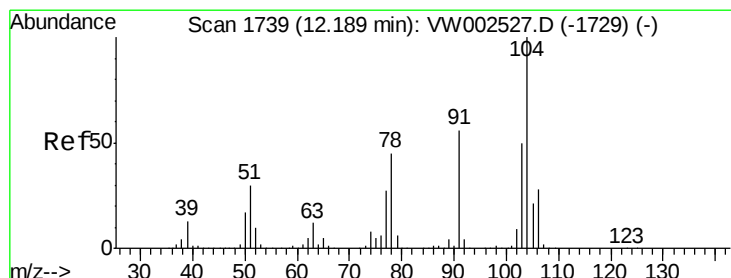
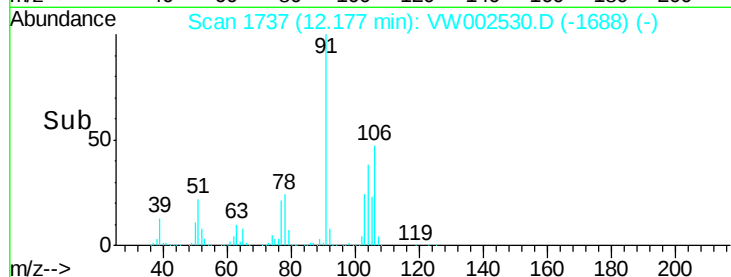
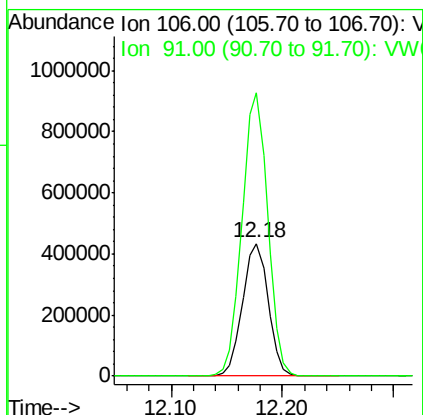
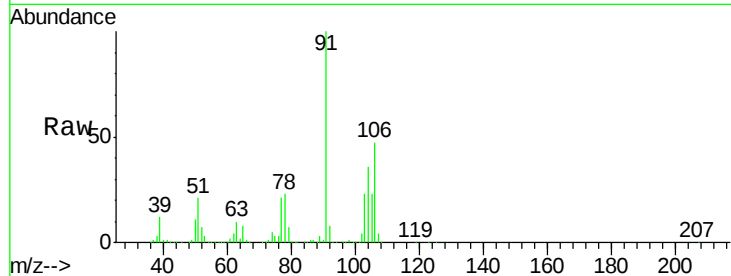




#69
o-Xylene
Concen: 154.04 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

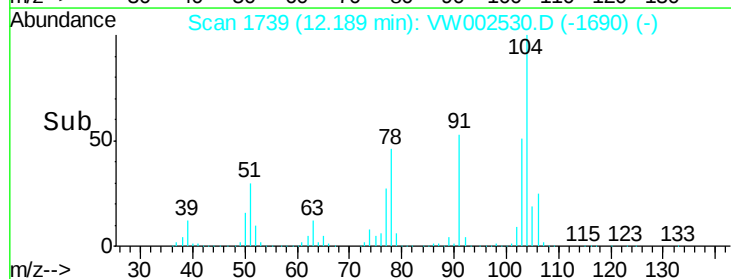
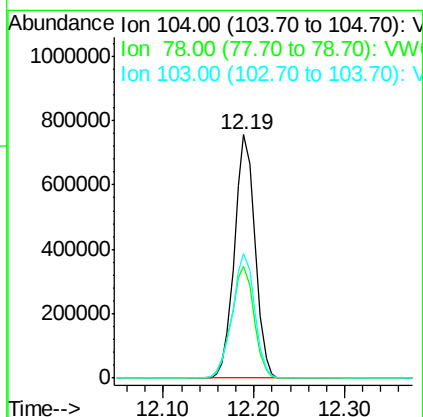
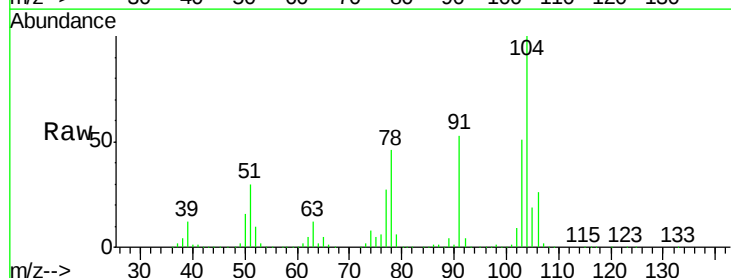
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

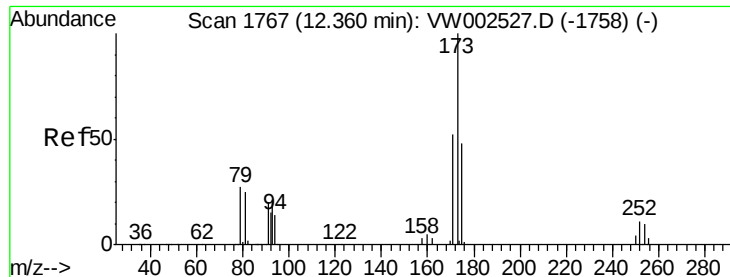
Tgt Ion:106 Resp: 695839
Ion Ratio Lower Upper
106 100
91 213.6 106.7 320.2



#70
Styrene
Concen: 158.90 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion:104 Resp: 1190657
Ion Ratio Lower Upper
104 100
78 50.5 40.1 60.1
103 55.4 44.6 66.8





#71

Bromoform

Concen: 159.79 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

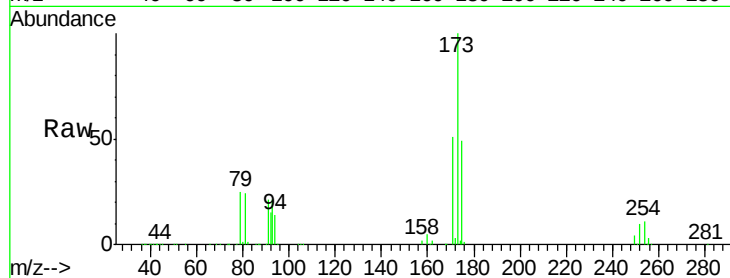
Tgt Ion:173 Resp: 235873

Ion Ratio Lower Upper

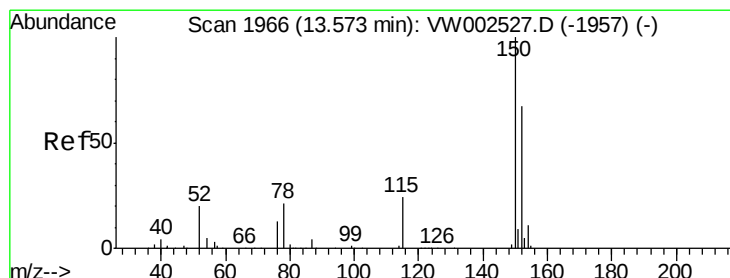
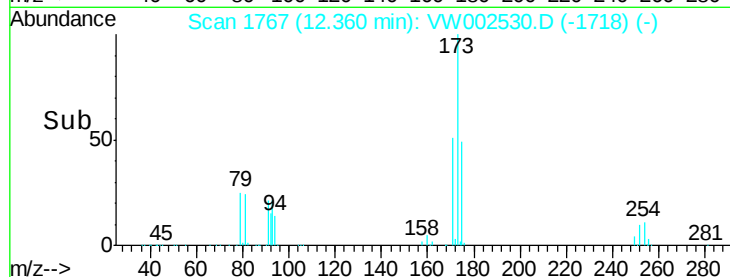
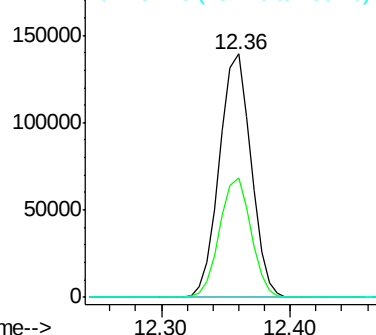
173 100

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: VW002530.D

Acq: 14 May 2018 23:21

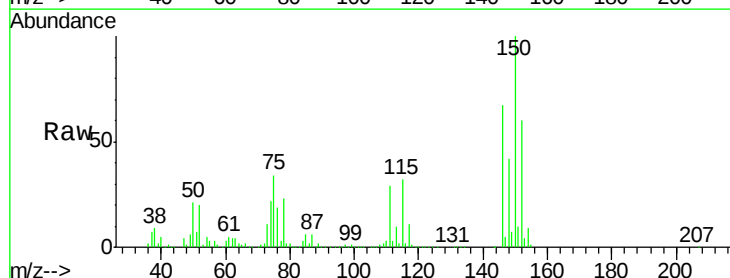
Tgt Ion:152 Resp: 190926

Ion Ratio Lower Upper

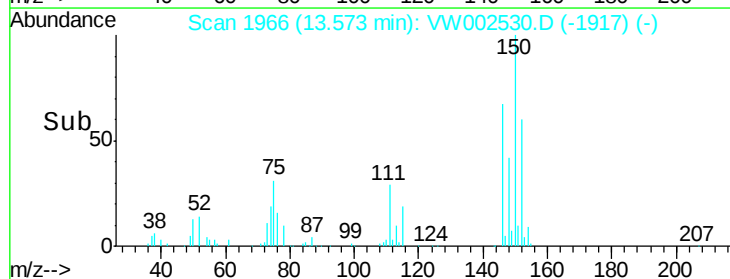
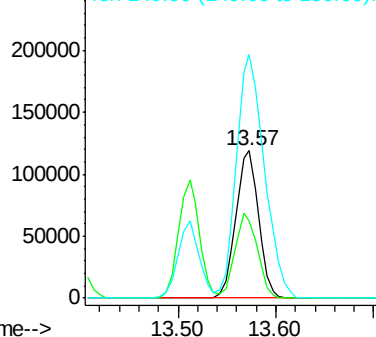
152 100

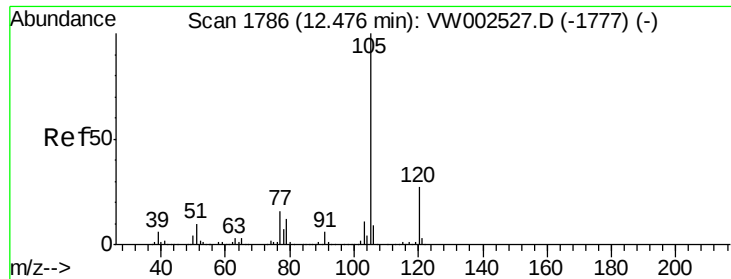
115 56.6 28.0 84.0

150 204.7 0.0 345.4



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





#73

Isopropylbenzene

Concen: 153.68 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

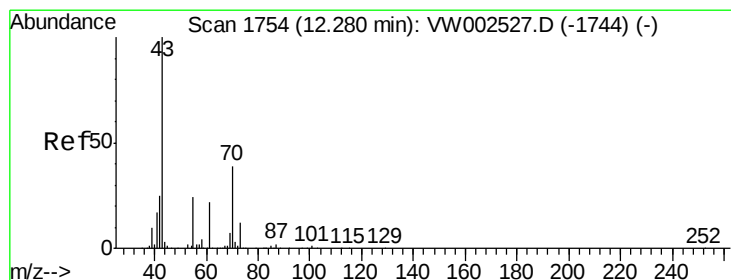
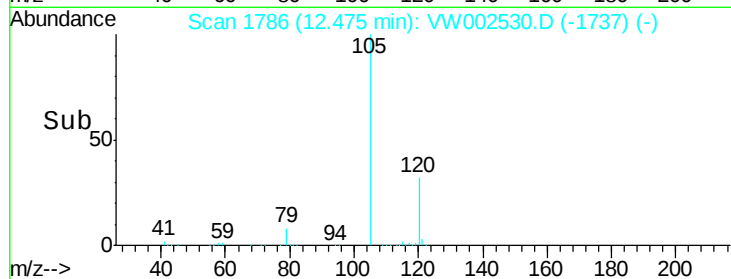
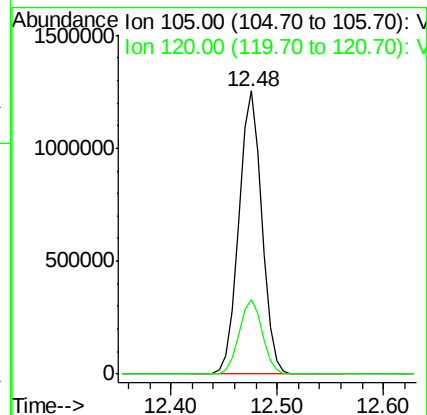
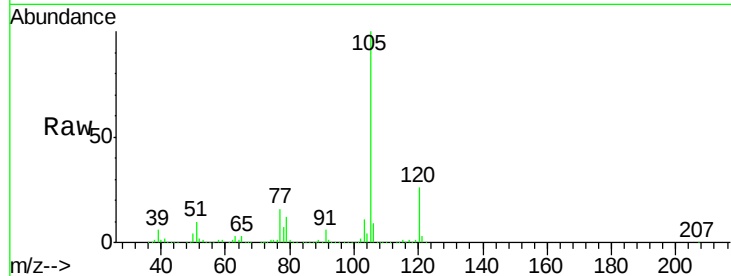
VSTDIC150

Tgt Ion:105 Resp: 1898891

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#74

N-ethyl acetate

Concen: 163.97 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Tgt Ion: 43 Resp: 511322

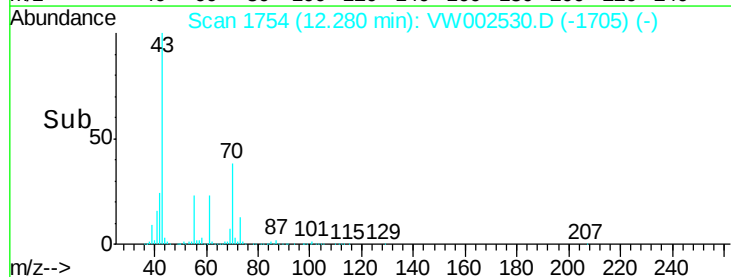
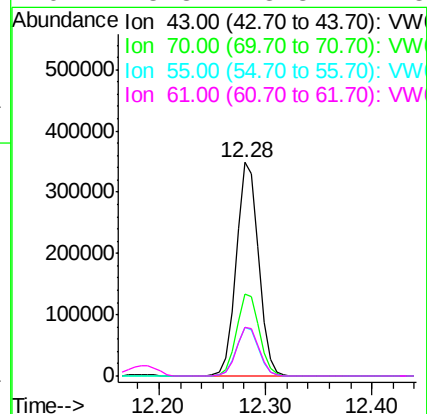
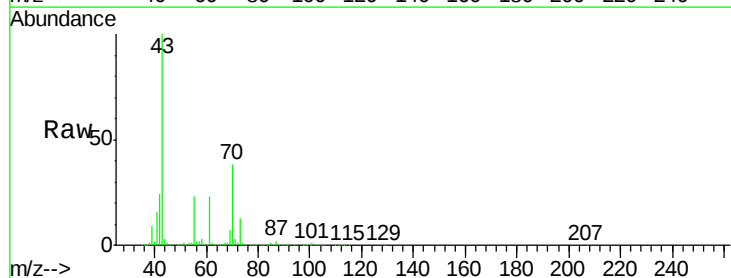
Ion Ratio Lower Upper

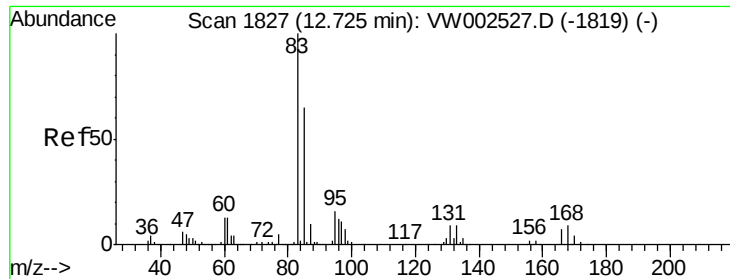
43 100

70 39.3 31.9 47.9

55 23.3 19.4 29.0

61 23.3 18.3 27.5

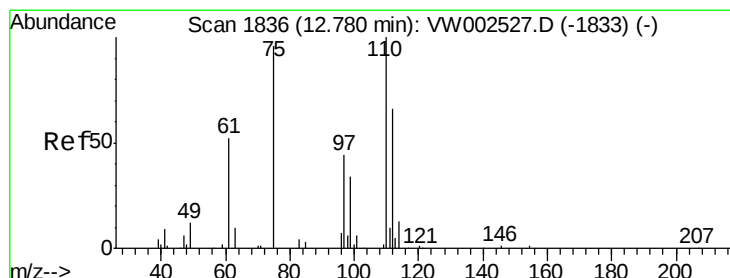
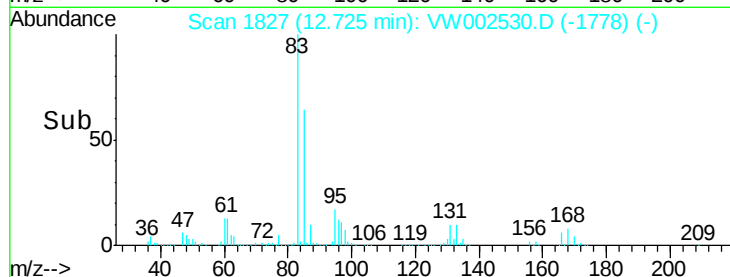
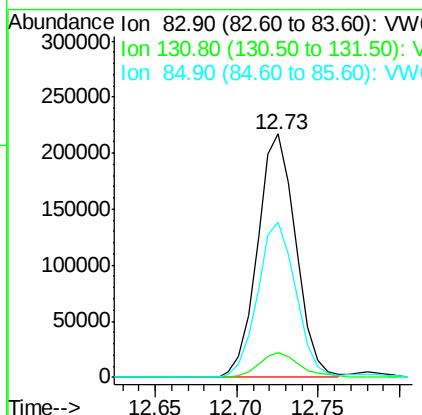
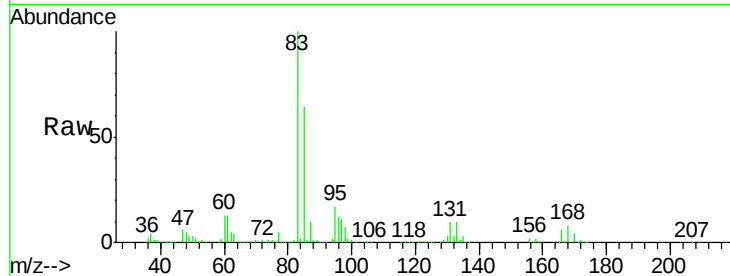




#75
 1,1,2,2-Tetrachloroethane
 Concen: 146.36 ug/l
 RT: 12.73 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

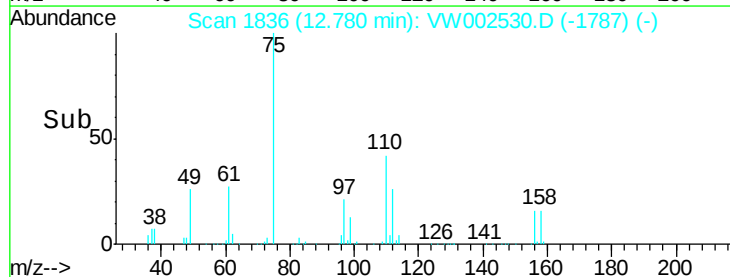
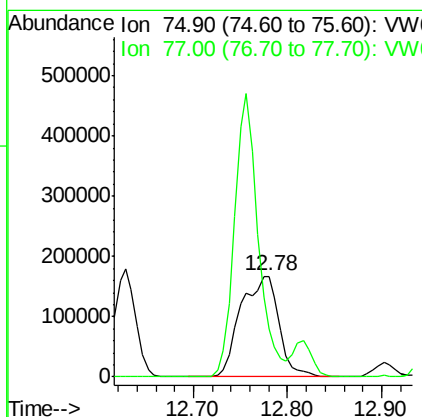
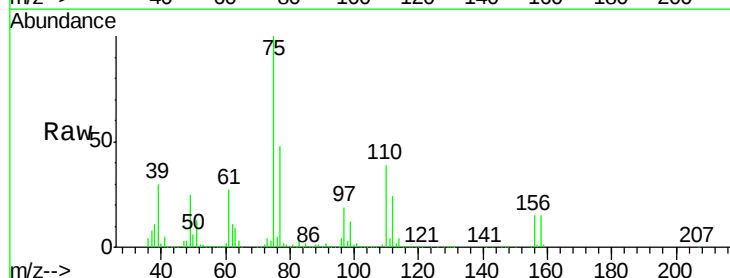
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

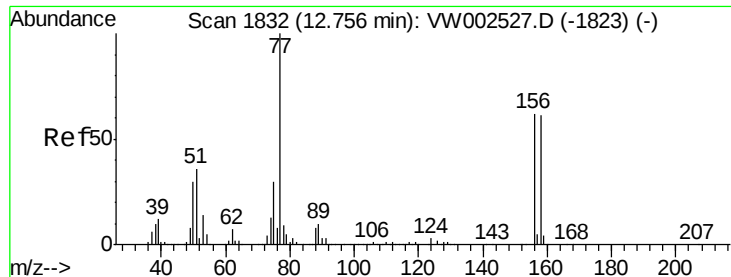
Tgt Ion: 83 Resp: 353432
 Ion Ratio Lower Upper
 83 100
 131 10.8 5.4 16.2
 85 63.9 31.6 94.8



#76
 1,2,3-Trichloropropane
 Concen: 270.56 ug/l
 RT: 12.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion: 75 Resp: 477364
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 147.16 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

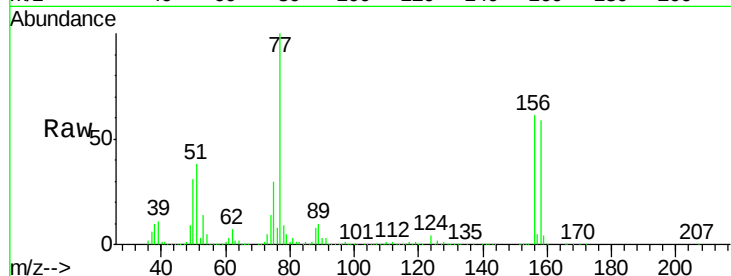
Tgt Ion:156 Resp: 458856

Ion Ratio Lower Upper

156 100

77 180.0 89.8 269.4

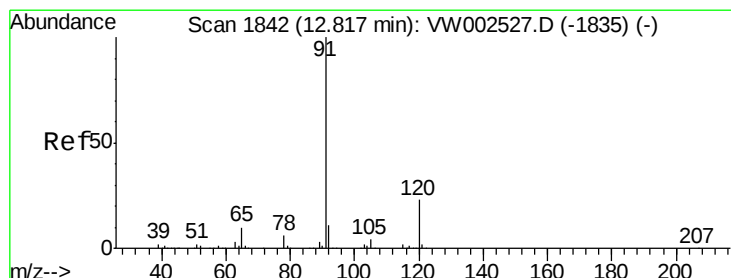
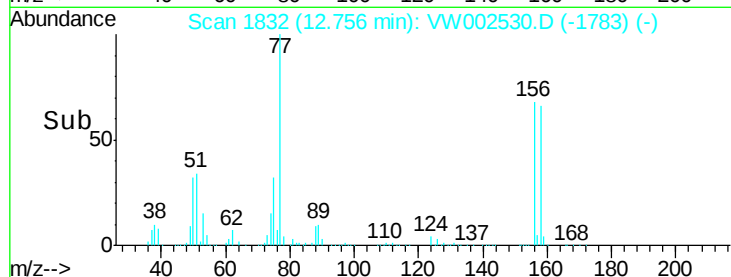
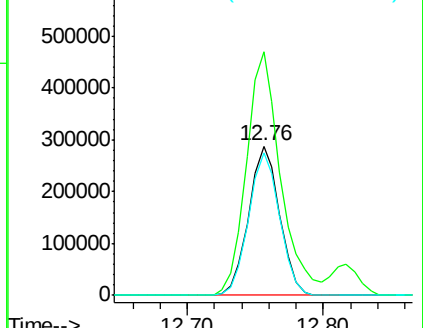
158 96.0 48.8 146.3



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: 153.59 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW002530.D

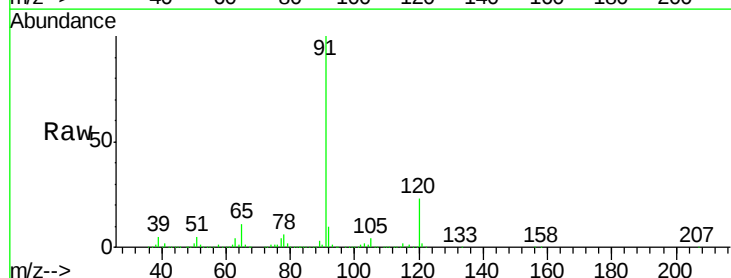
Acq: 14 May 2018 23:21

Tgt Ion: 91 Resp: 2250015

Ion Ratio Lower Upper

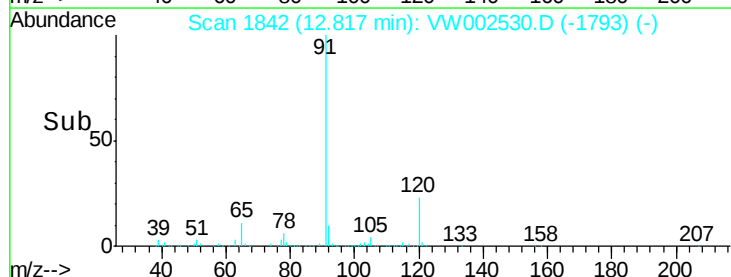
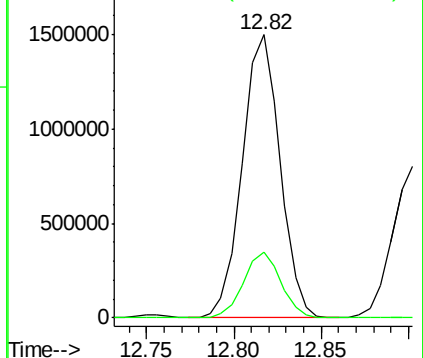
91 100

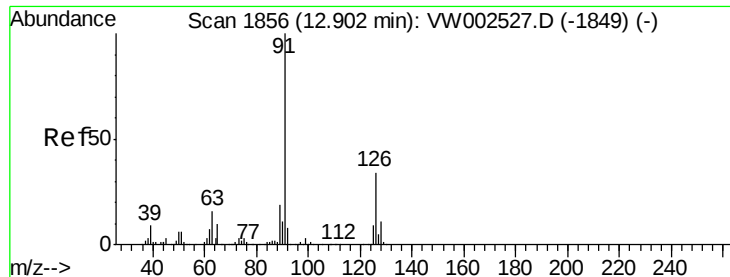
120 22.9 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 151.41 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

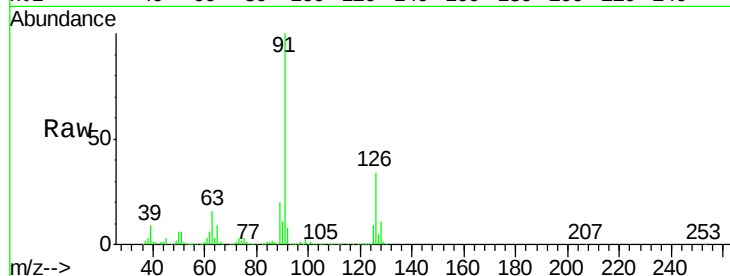
VSTDIC150

Tgt Ion: 91 Resp: 1274896

Ion Ratio Lower Upper

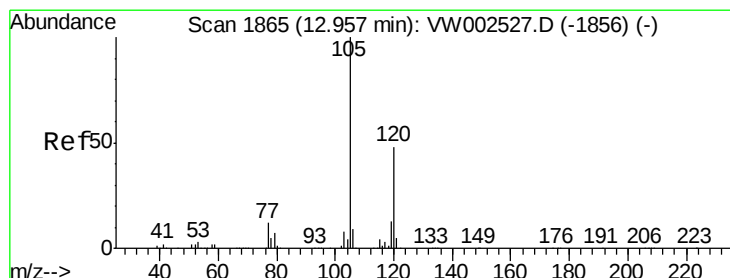
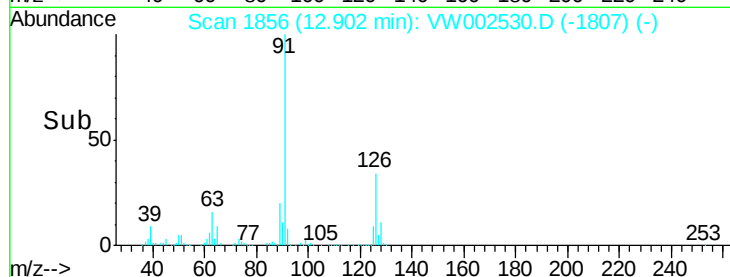
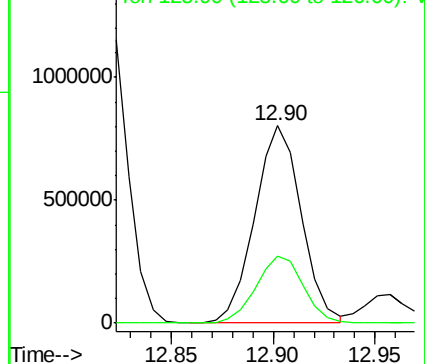
91 100

126 34.4 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: 152.73 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002530.D

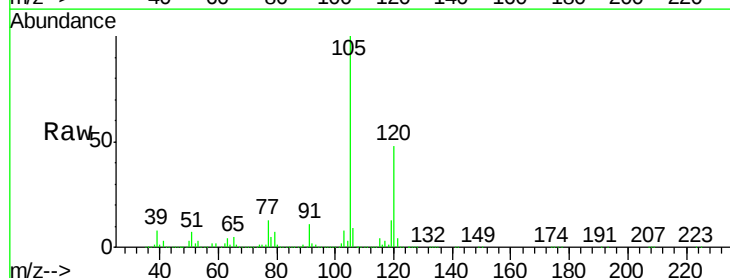
Acq: 14 May 2018 23:21

Tgt Ion: 105 Resp: 1588622

Ion Ratio Lower Upper

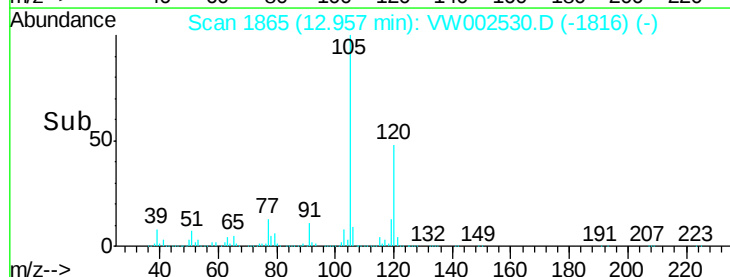
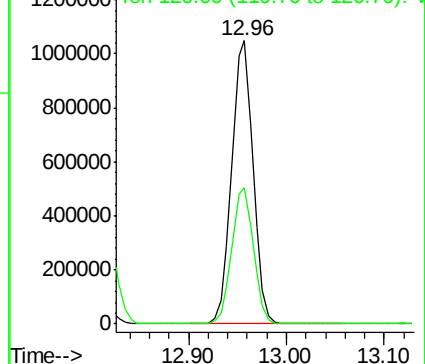
105 100

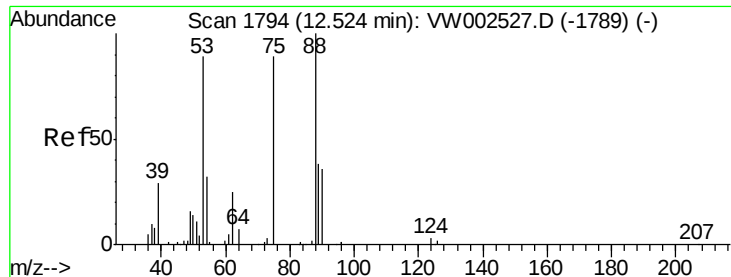
120 48.7 24.6 73.8



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: 171.45 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

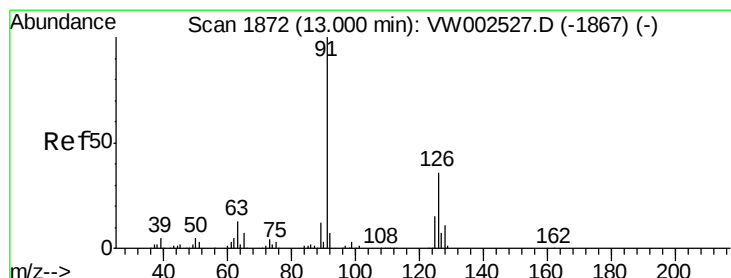
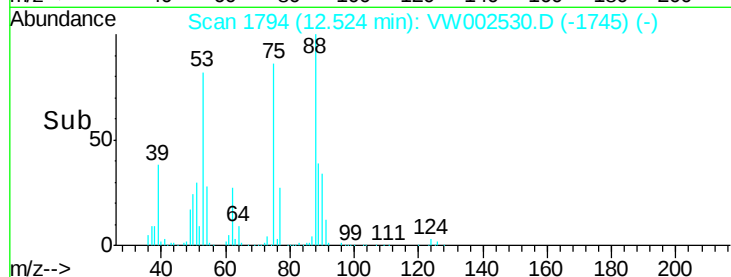
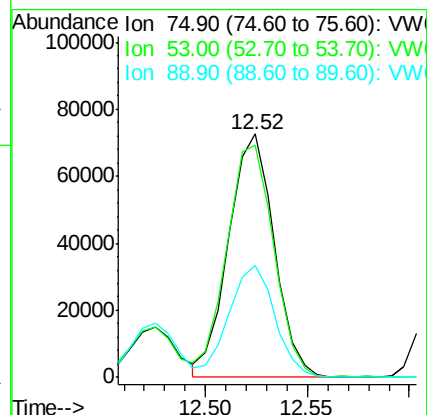
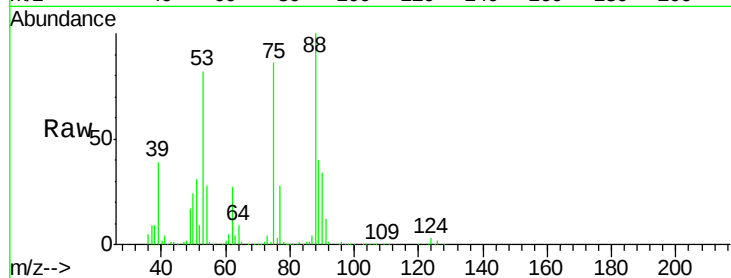
Tgt Ion: 75 Resp: 111321

Ion Ratio Lower Upper

75 100

53 99.9 82.6 124.0

89 47.0 39.2 58.8



#82

4-Chlorotoluene

Concen: 152.77 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VW002530.D

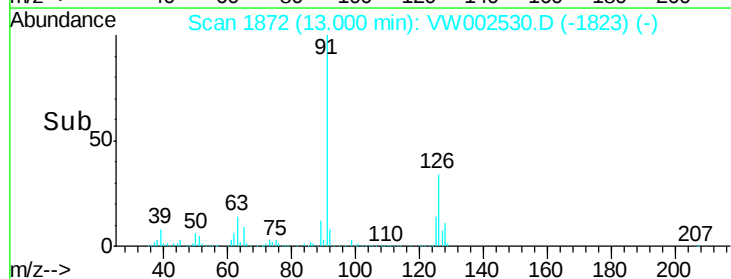
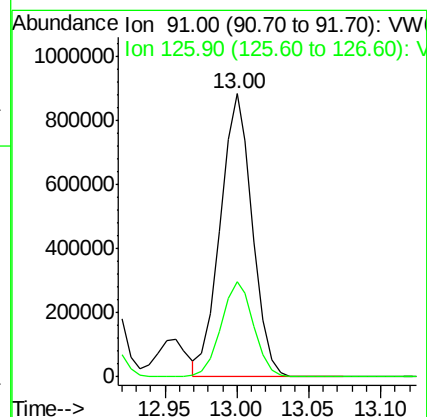
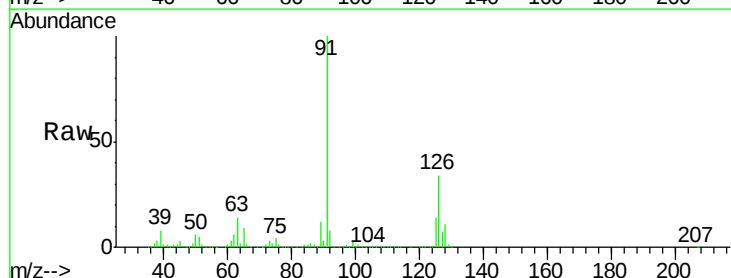
Acq: 14 May 2018 23:21

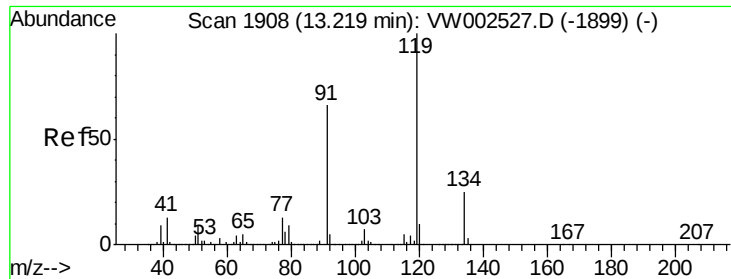
Tgt Ion: 91 Resp: 1370335

Ion Ratio Lower Upper

91 100

126 34.1 17.5 52.5

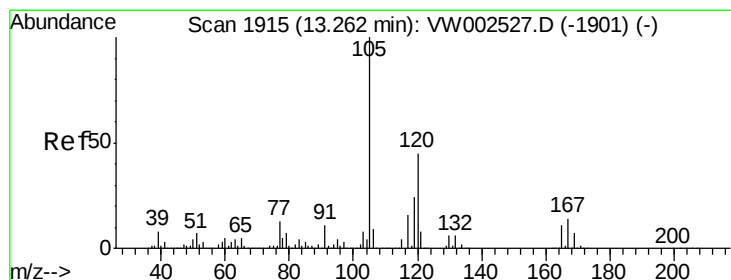
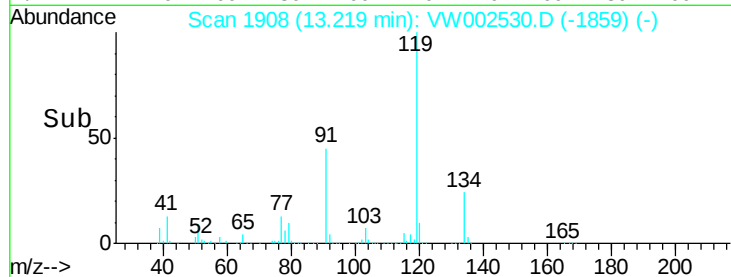
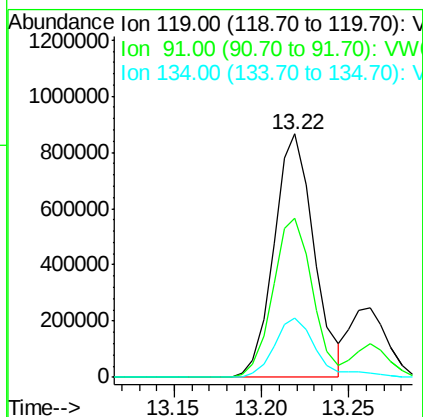
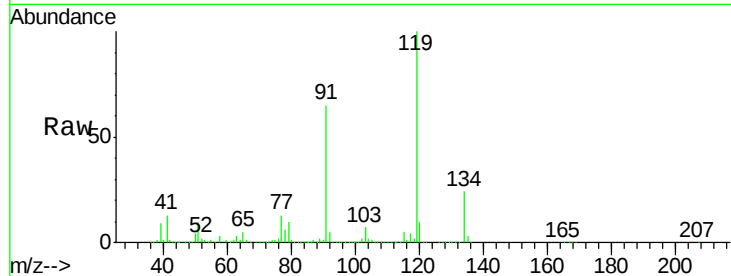




#83
 tert-Butylbenzene
 Concen: 154.69 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

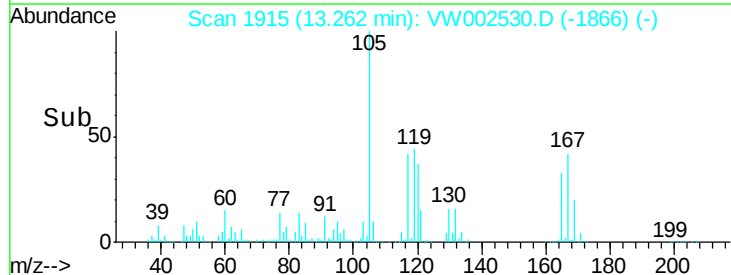
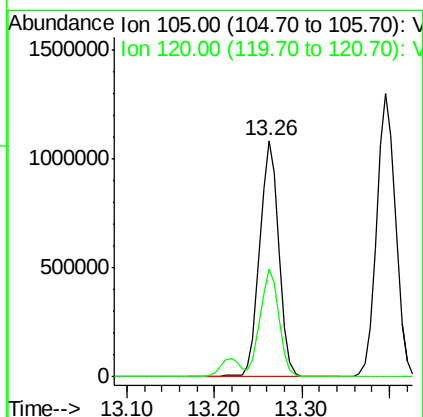
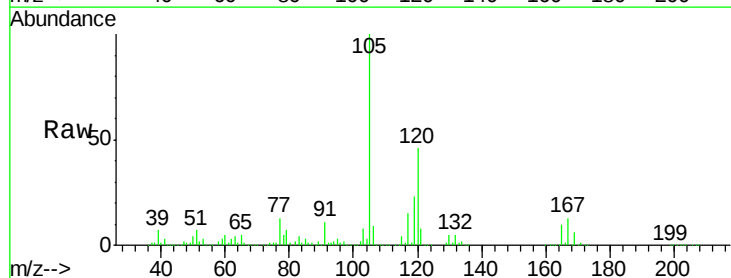
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

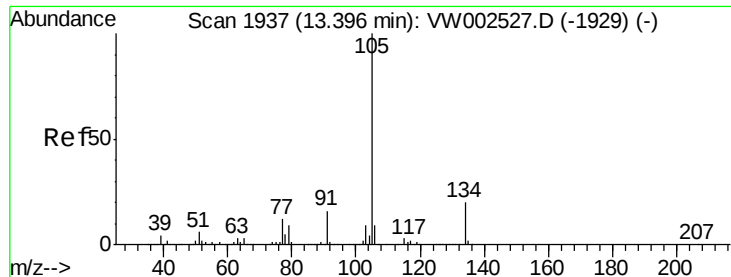
Tgt Ion:119 Resp: 1383161
 Ion Ratio Lower Upper
 119 100
 91 64.7 32.5 97.5
 134 25.7 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 152.54 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion:105 Resp: 1645821
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.3 66.9

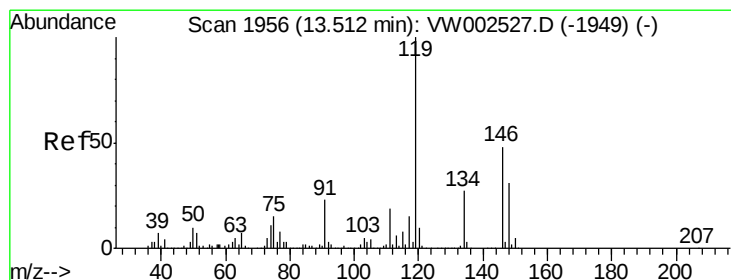
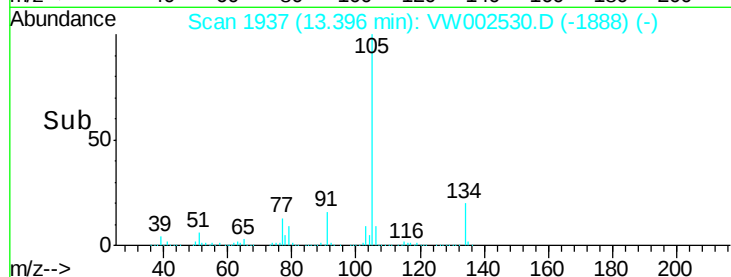
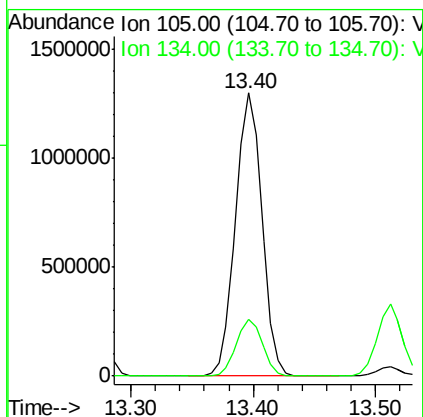
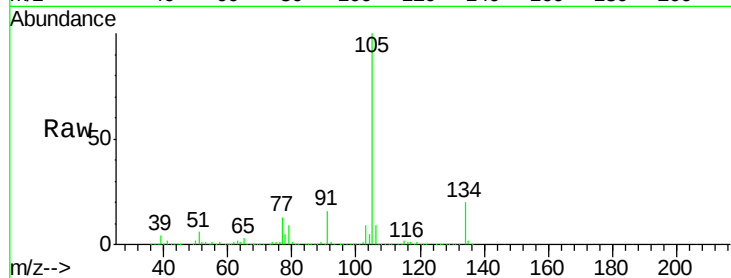




#85
 sec-Butylbenzene
 Concen: 151.85 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

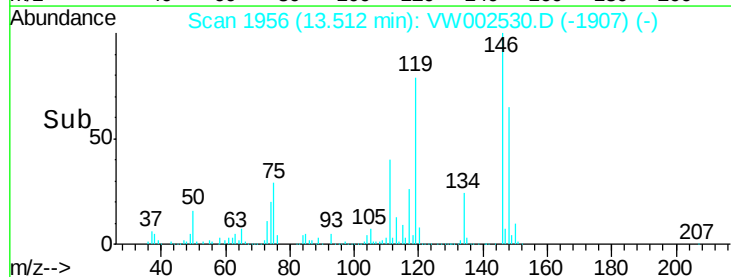
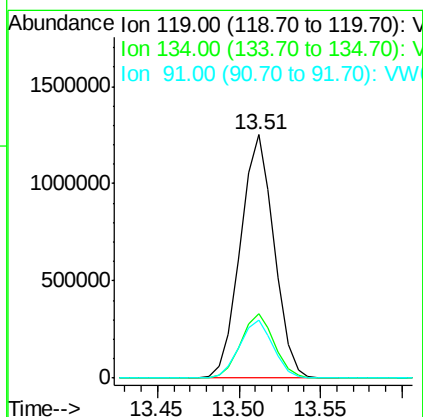
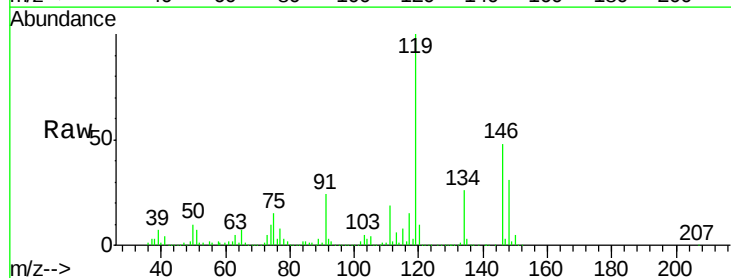
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

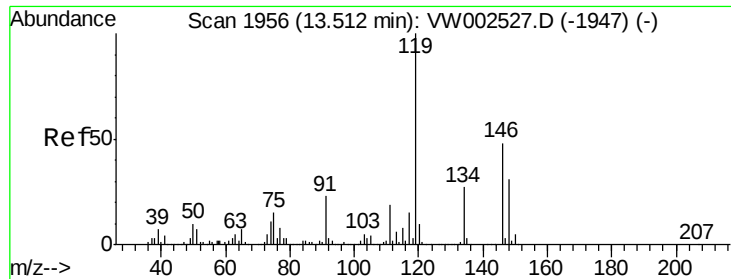
Tgt Ion:105 Resp: 1944194
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 156.70 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion:119 Resp: 1797672
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.4 40.1
 91 23.9 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 148.24 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

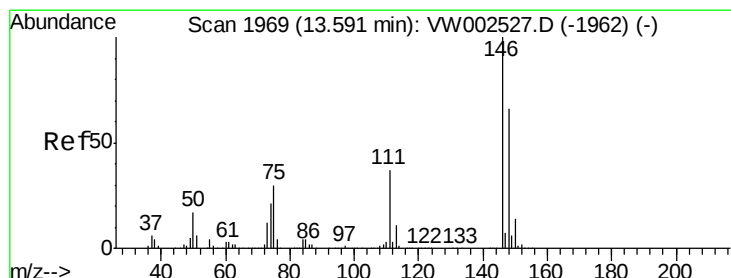
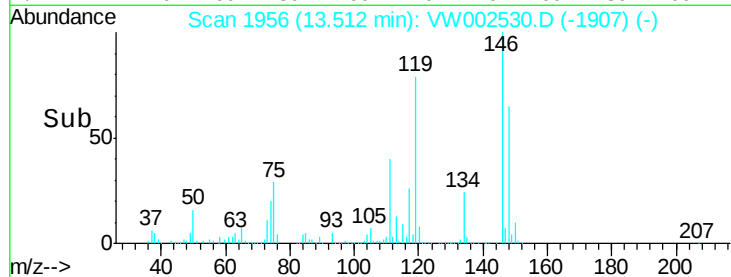
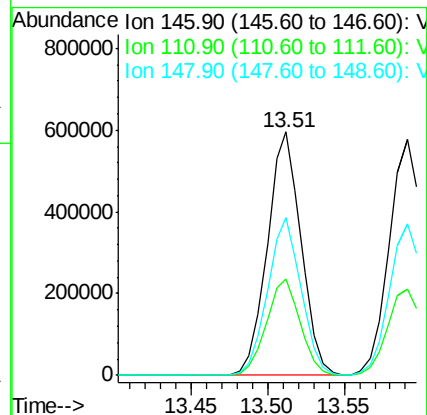
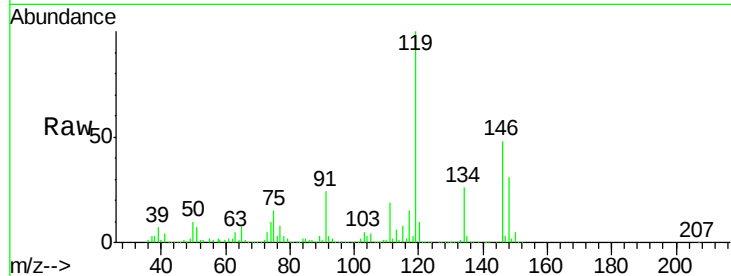
Tgt Ion:146 Resp: 914669

Ion Ratio Lower Upper

146 100

111 39.5 19.6 58.7

148 64.1 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 144.23 ug/l

RT: 13.59 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

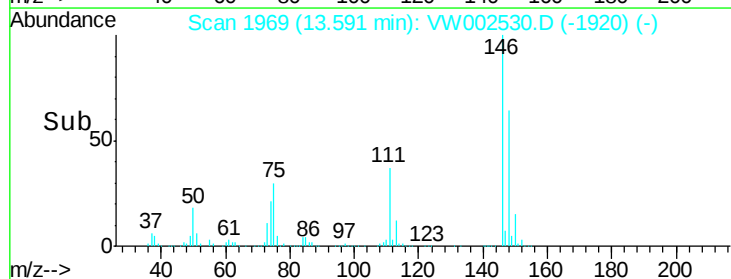
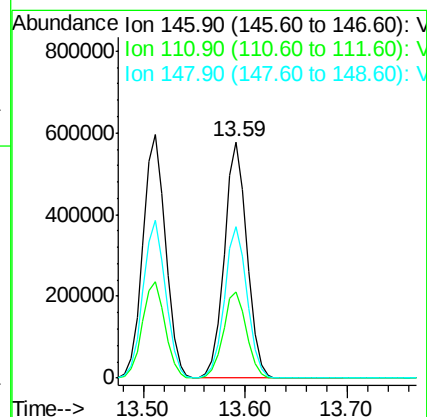
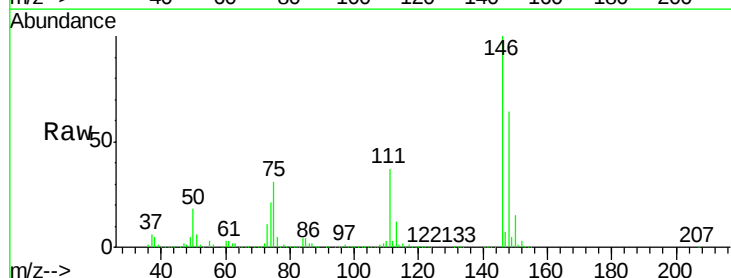
Tgt Ion:146 Resp: 889146

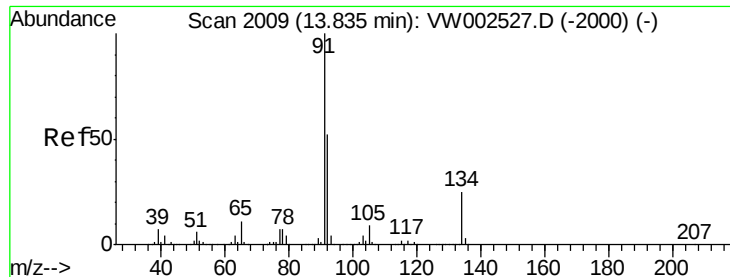
Ion Ratio Lower Upper

146 100

111 37.5 18.9 56.5

148 64.2 32.4 97.0

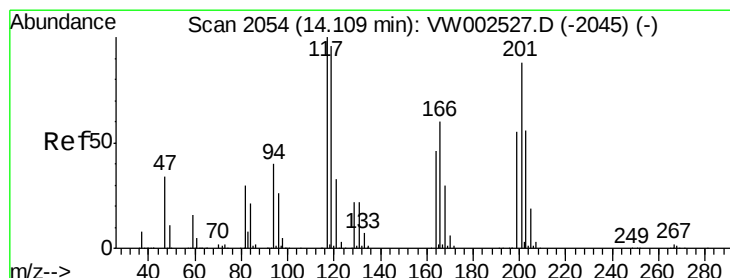
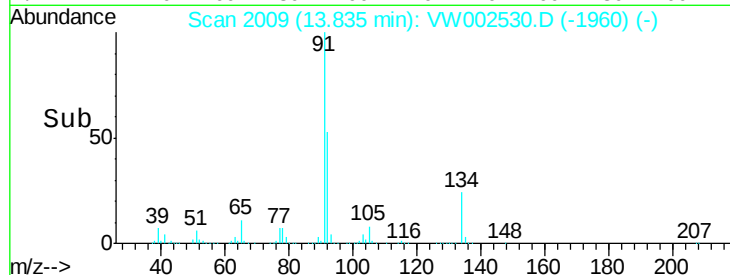
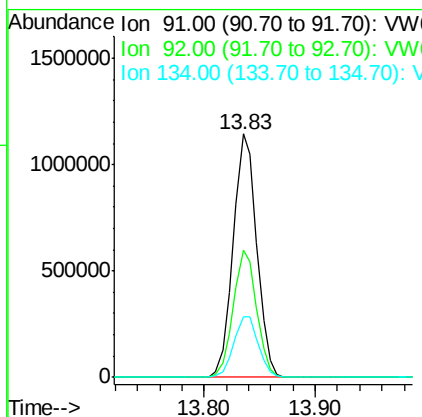
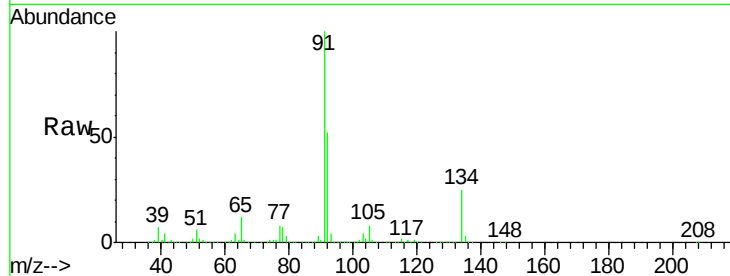




#89
n-Butylbenzene
Concen: 155.89 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

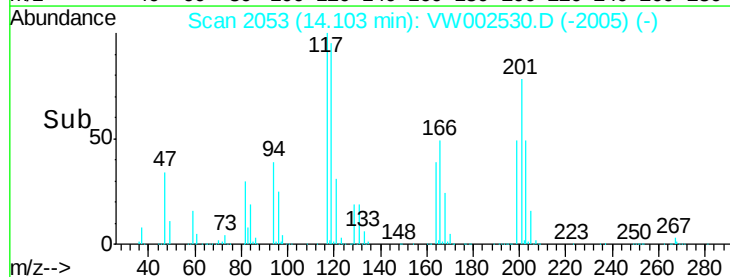
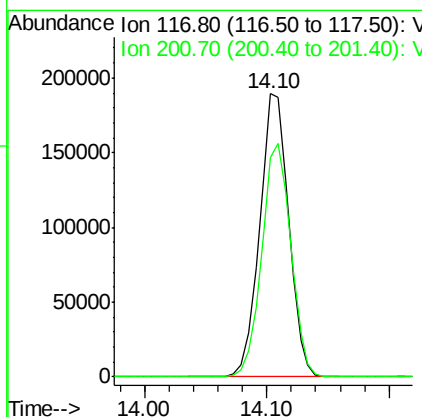
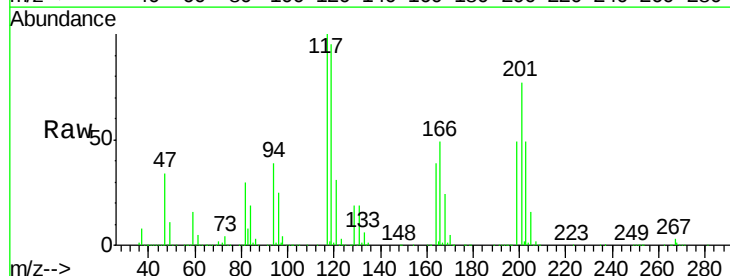
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

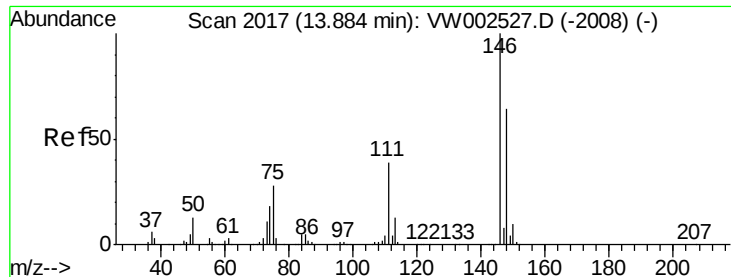
Tgt Ion: 91 Resp: 1672574
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 25.7 13.1 39.1



#90
Hexachloroethane
Concen: 153.27 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.01 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion: 117 Resp: 314161
Ion Ratio Lower Upper
117 100
201 82.5 42.0 126.0





#91

1,2-Dichlorobenzene

Concen: 144.18 ug/l

RT: 13.88 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

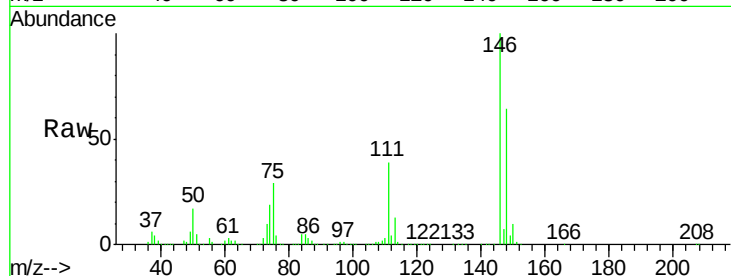
Tgt Ion:146 Resp: 810051

Ion Ratio Lower Upper

146 100

111 39.9 19.9 59.6

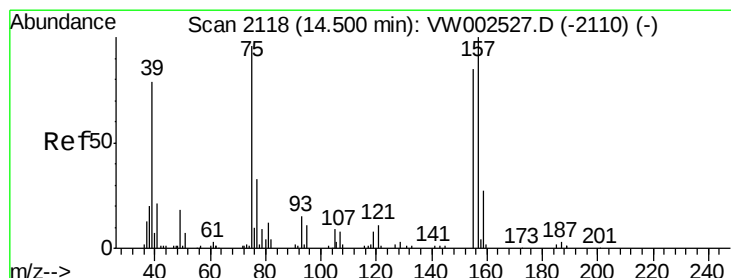
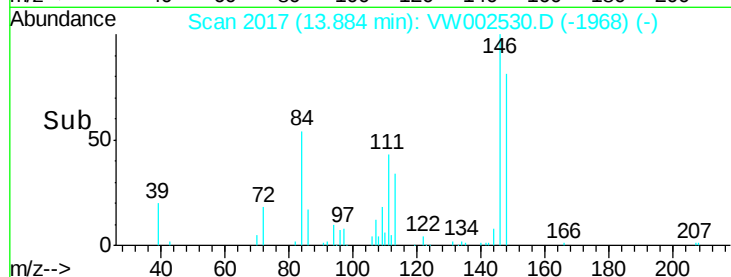
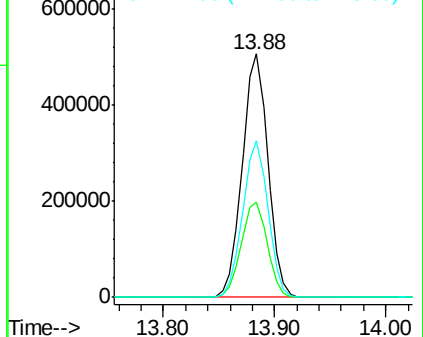
148 63.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 146.85 ug/l

RT: 14.50 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VW002530.D

Acq: 14 May 2018 23:21

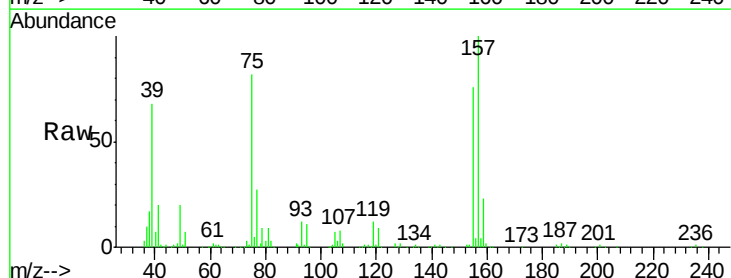
Tgt Ion: 75 Resp: 61351

Ion Ratio Lower Upper

75 100

155 87.9 42.8 128.4

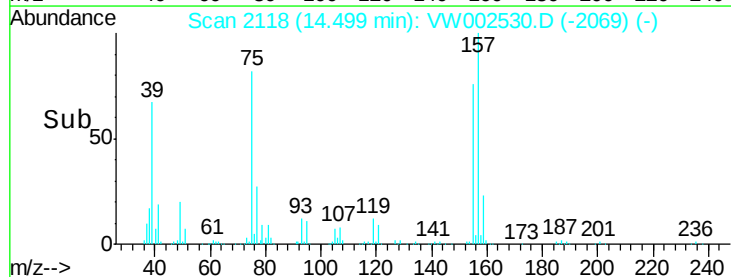
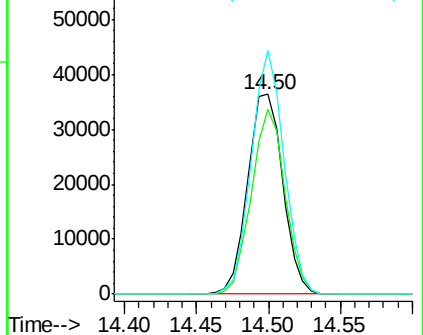
157 113.1 57.4 172.0

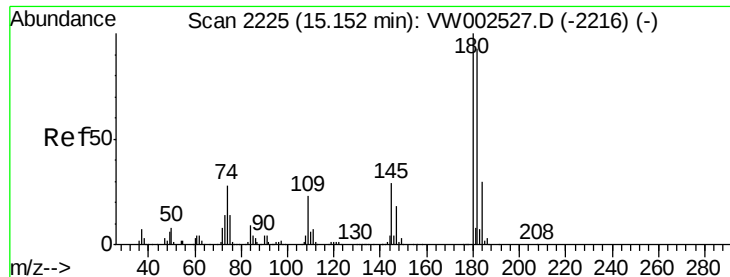


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

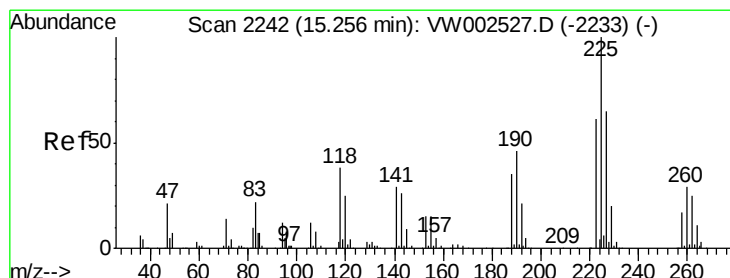
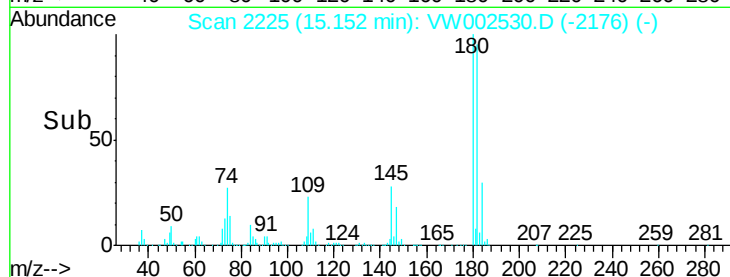
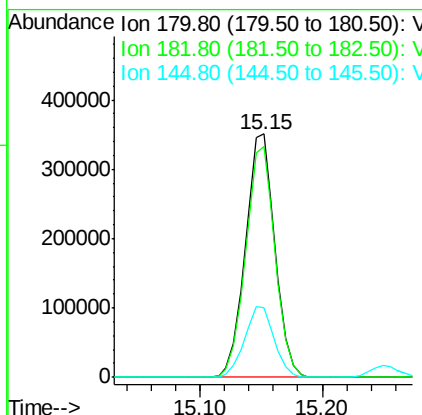
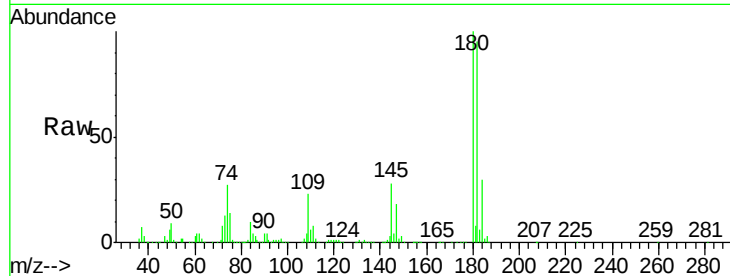




#93
 1,2,4-Trichlorobenzene
 Concen: 145.47 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

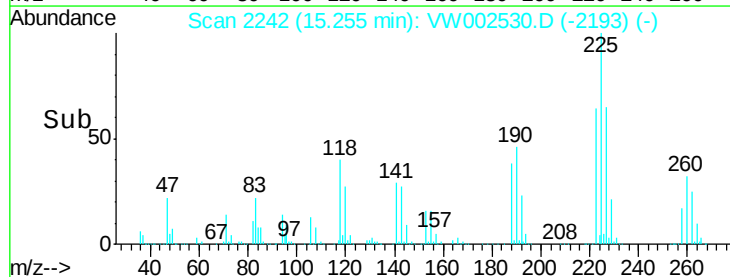
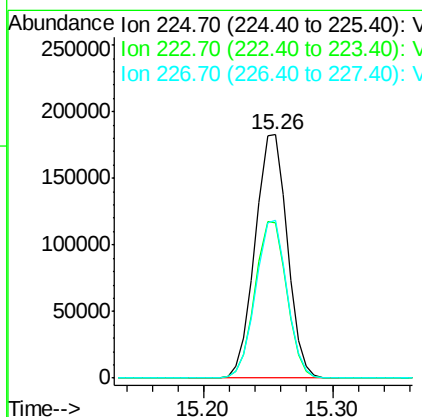
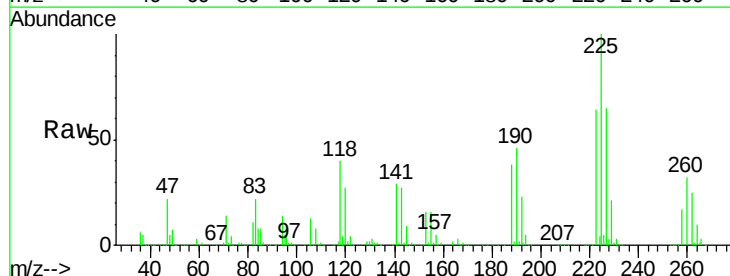
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

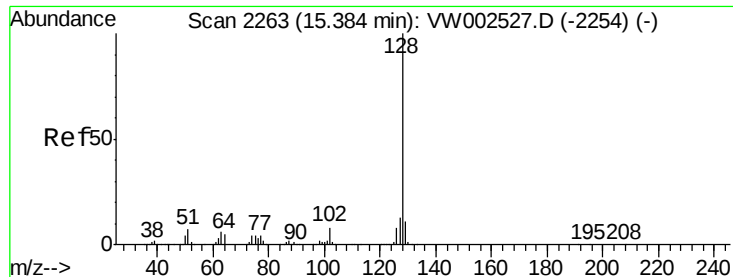
Tgt Ion:180 Resp: 585848
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.2 141.6
 145 29.3 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 140.56 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: VW002530.D
 Acq: 14 May 2018 23:21

Tgt Ion:225 Resp: 315184
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.3 93.9
 227 63.3 31.9 95.5

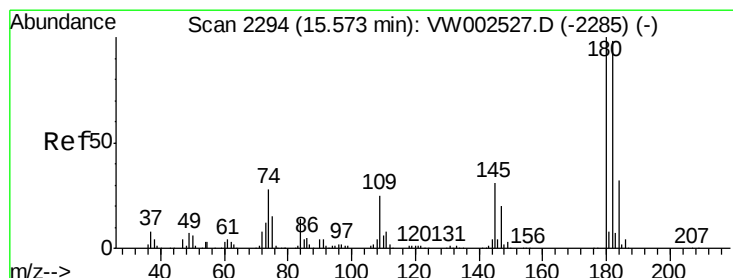
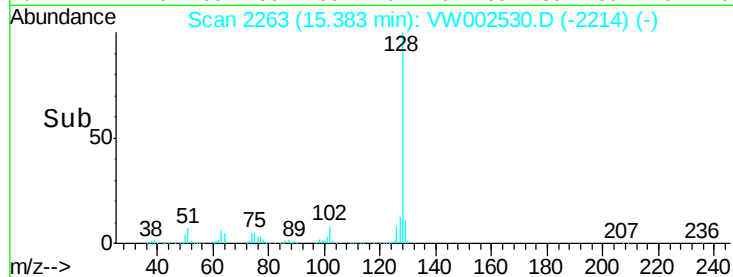
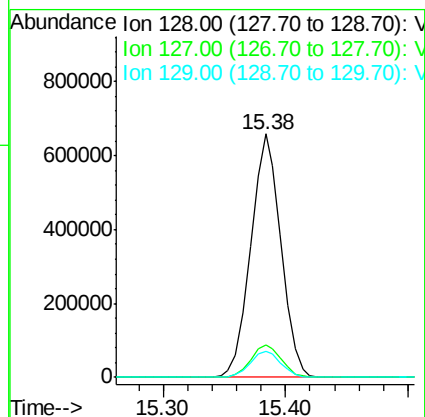
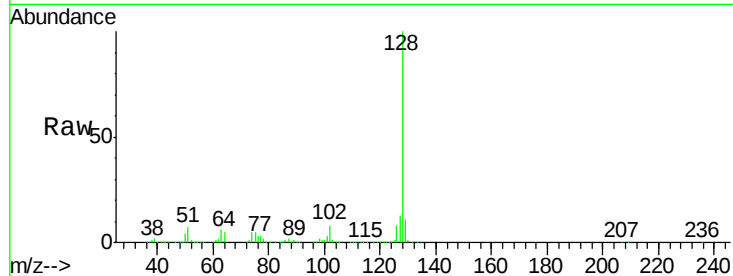




#95
Naphthalene
Concen: 151.41 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1125711
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 142.39 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VW002530.D
Acq: 14 May 2018 23:21

Tgt Ion:180 Resp: 514558
Ion Ratio Lower Upper
180 100
182 95.7 47.3 141.8
145 31.3 15.5 46.5

