

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007579.D
 Acq On : 15 Dec 2018 14:00
 Operator : SY/AP
 Sample : J6353-03MSD
 Misc : 3.17G/5ML/MSVOA_W/SOIL
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MSD

Quant Time: Dec 15 20:24:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	62604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	110750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	72650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	19281	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	43318	62.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.74%	
35) Dibromofluoromethane	7.88	113	32140	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	10.32	98	115268	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	
62) 4-Bromofluorobenzene	12.62	95	31557	34.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.28%	

Target Compounds						Qvalue
3) Chloromethane	2.16	50	602	1.643	ug/l #	59
7) Trichlorofluoromethane	3.27	101	1158	2.996	ug/l #	77
11) Tert butyl alcohol	5.18	59	703	14.738	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	5005	8.150	ug/l	86
13) Acrolein	3.84	56	1108	35.104	ug/l #	1
14) Allyl chloride	4.76	41	1939	2.142	ug/l #	65
15) Acrylonitrile	5.43	53	2026	15.885	ug/l #	39
16) Acetone	4.12	43	20593	169.747	ug/l #	72
18) Methyl Acetate	4.68	43	1750	5.315	ug/l #	80
20) Methylene Chloride	4.92	84	2562	Below Cal	#	71
25) 2-Butanone	7.17	43	4936	31.166	ug/l	100
29) Tetrahydrofuran	7.54	42	408	4.069	ug/l #	62
31) Cyclohexane	7.95	56	44482	41.227	ug/l #	91
36) 1,1-Dichloropropene	7.95	75	4767	4.718	ug/l #	60
37) Ethyl Acetate	7.26	43	569	1.514	ug/l #	66
38) Carbon Tetrachloride	7.95	117	6706	6.100	ug/l #	18
39) Methylcyclohexane	9.34	83	34766	28.418	ug/l	93
40) Benzene	8.32	78	55626	19.840	ug/l	100
41) Methacrylonitrile	7.52	41	1074	5.019	ug/l #	40
43) Isopropyl Acetate	8.42	43	3256	4.387	ug/l #	50
47) Bromodichloromethane	9.62	83	1877	1.942	ug/l #	28
48) Methyl methacrylate	9.38	41	2474	6.490	ug/l #	29
51) 4-Methyl-2-Pentanone	10.21	43	4431	12.634	ug/l	95
52) Toluene	10.39	92	1057004	582.550	ug/l	99
53) t-1,3-Dichloropropene	10.39	75	13685	14.585	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	6020	12.005	ug/l #	24
56) Ethyl methacrylate	10.67	69	655	1.087	ug/l #	25
58) 2-Chloroethyl Vinyl ether	9.92	63	498	1.792	ug/l #	43
59) 2-Hexanone	10.94	43	2091	8.941	ug/l #	26
67) Ethyl Benzene	11.73	91	464603	178.458	ug/l	93
68) m/p-Xylenes	11.84	106	407583	402.710	ug/l	99
69) o-Xylene	12.17	106	296311	313.479	ug/l	97
70) Styrene	12.18	104	64505	42.250	ug/l #	34
73) Isopropylbenzene	12.47	105	41079	27.805	ug/l	99

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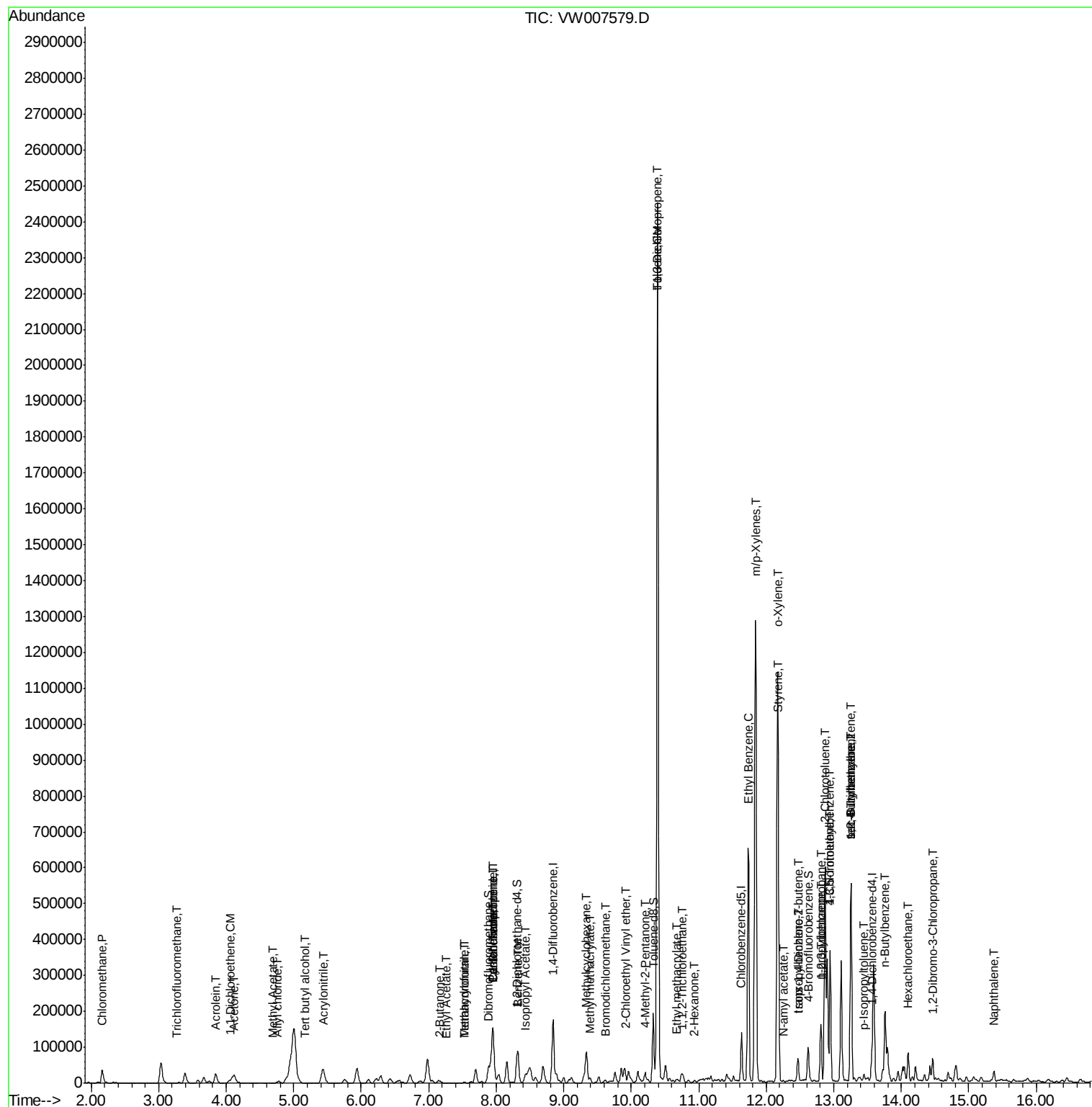
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	12.26	43	1176	4.380	ug/l #	53
76) 1,2,3-Trichloropropane	12.80	75	949	5.969	ug/l #	5
78) n-propylbenzene	12.81	91	125533	75.501	ug/l	99
79) 2-Chlorotoluene	12.87	91	46601	46.321	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.94	105	191560	154.314	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.46	75	695	9.657	ug/l #	81
82) 4-Chlorotoluene	12.94	91	21032	19.833	ug/l #	43
83) tert-Butylbenzene	13.26	119	37654	34.424	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.26	105	305693	239.303	ug/l	99
85) sec-Butylbenzene	13.26	105	305693	204.724	ug/l #	54
86) p-Isopropyltoluene	13.44	119	10021	7.470	ug/l	99
89) n-Butylbenzene	13.76	91	20785	16.714	ug/l #	56
90) Hexachloroethane	14.10	117	4016	16.826	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.46	75	298	6.786	ug/l #	3
95) Naphthalene	15.37	128	25261	32.811	ug/l	97

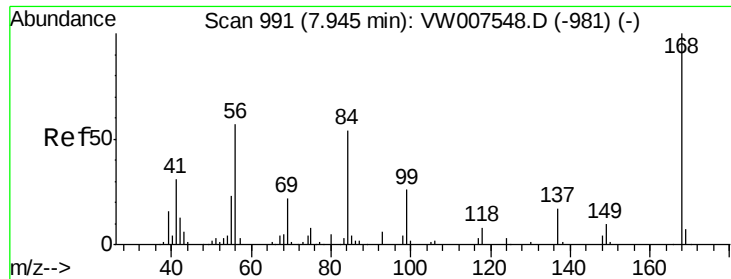
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

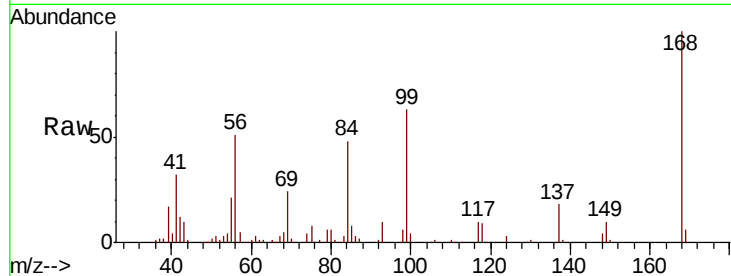
P001-SS001-0002-01MSD

Tgt Ion: 168 Resp: 62604

Ion Ratio Lower Upper

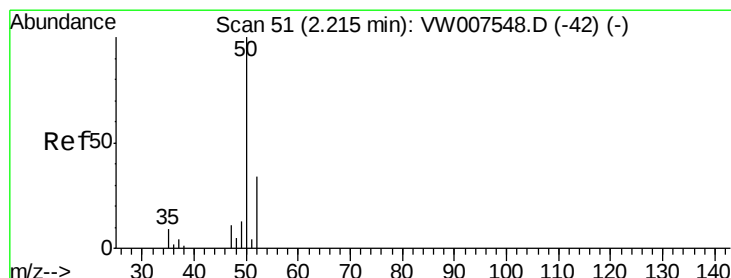
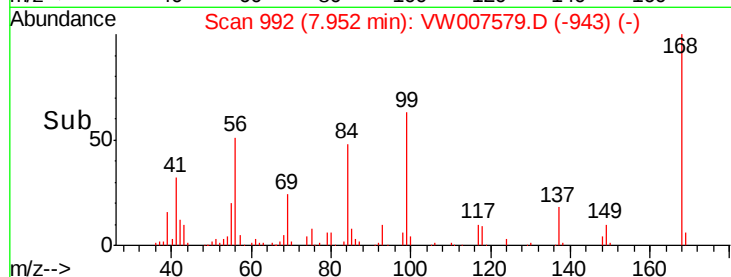
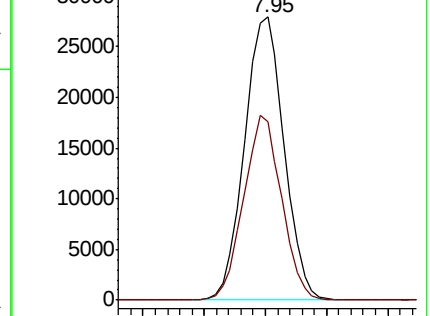
168 100

99 62.9 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.643 ug/l

RT: 2.16 min Scan# 42

Delta R.T. -0.06 min

Lab File: VW007579.D

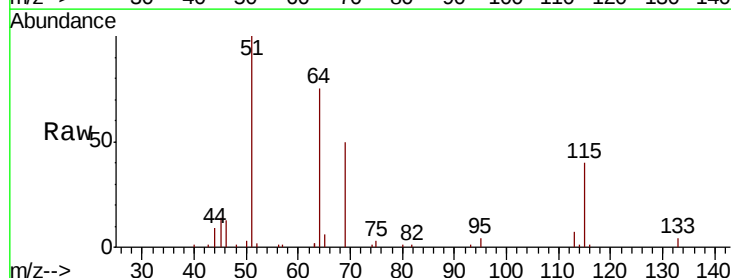
Acq: 15 Dec 2018 14:00

Tgt Ion: 50 Resp: 602

Ion Ratio Lower Upper

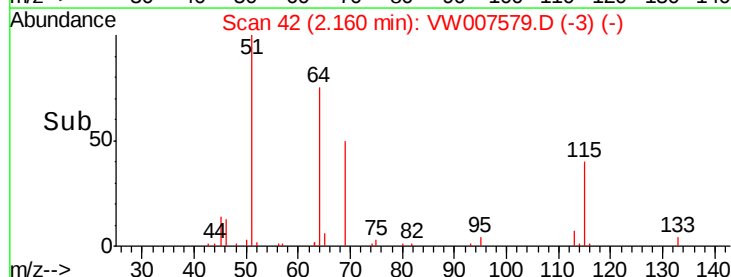
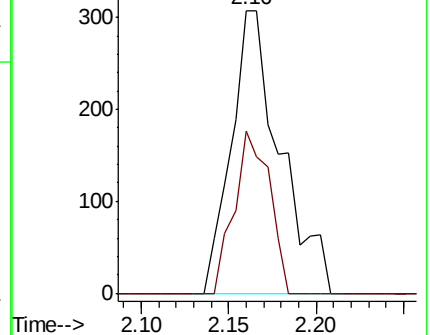
50 100

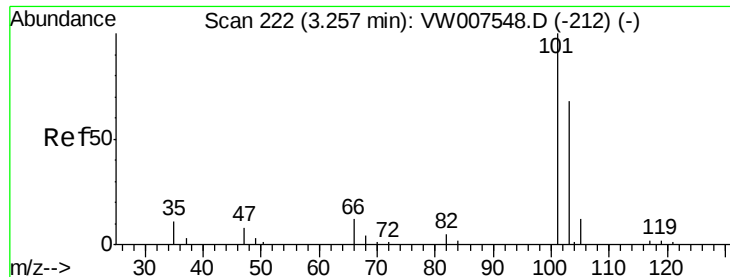
52 57.5 27.4 41.0#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



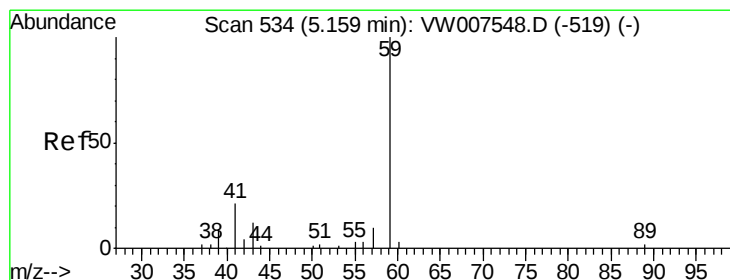
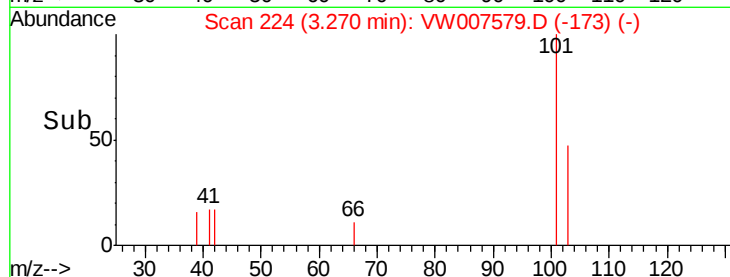
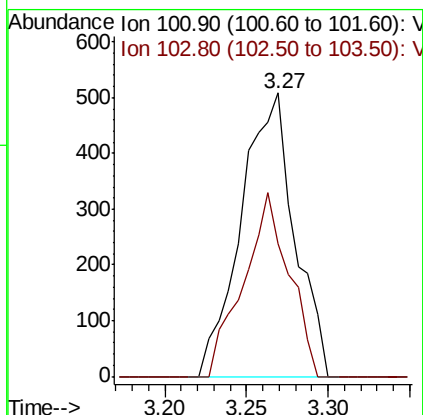
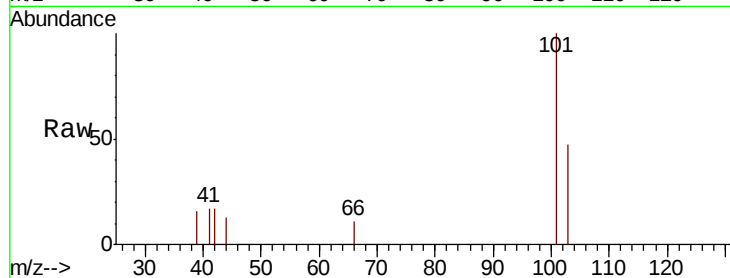


#7

Trichlorofluoromethane
Concen: 2.996 ug/l
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MSD

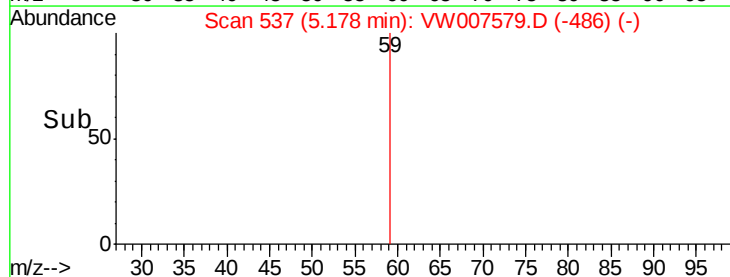
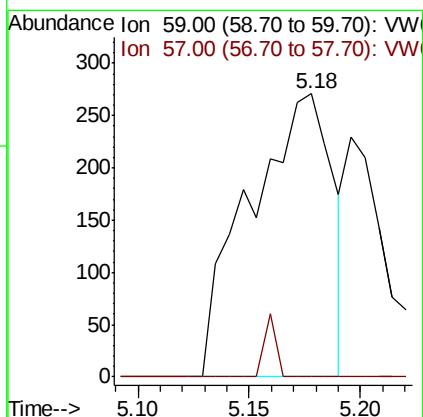
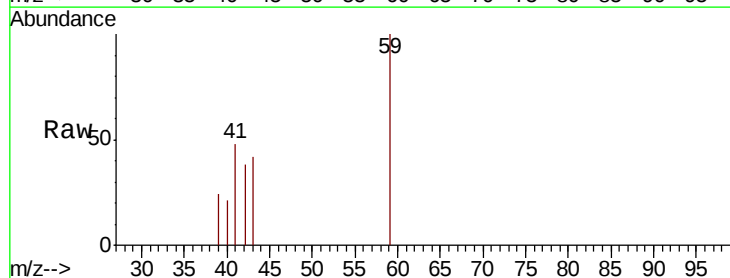
Tgt Ion: 101 Resp: 1158
Ion Ratio Lower Upper
101 100
103 46.7 51.7 77.5#

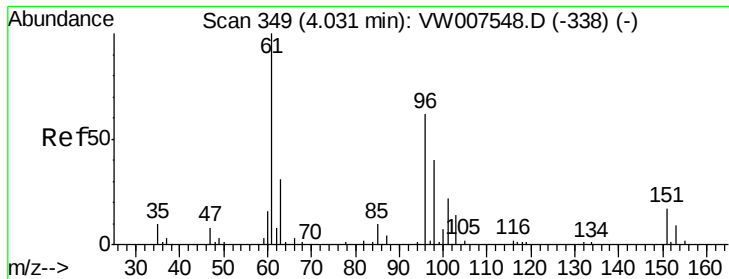


#11

Tert butyl alcohol
Concen: 14.738 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Tgt Ion: 59 Resp: 703
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#

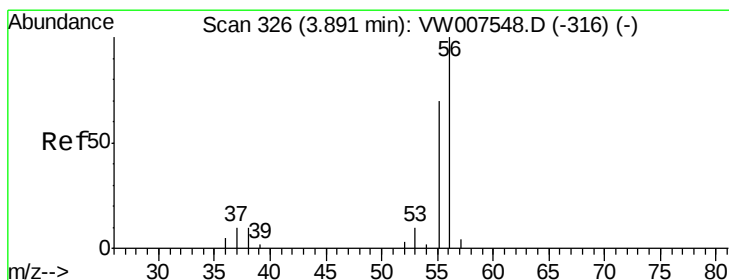
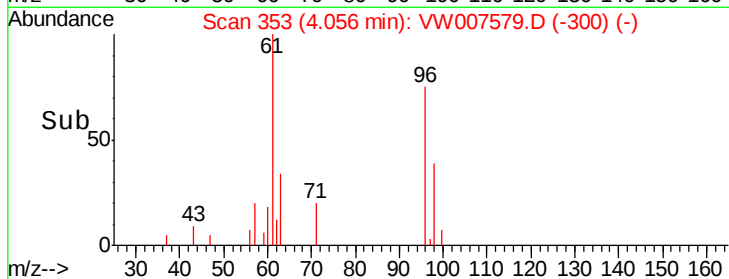
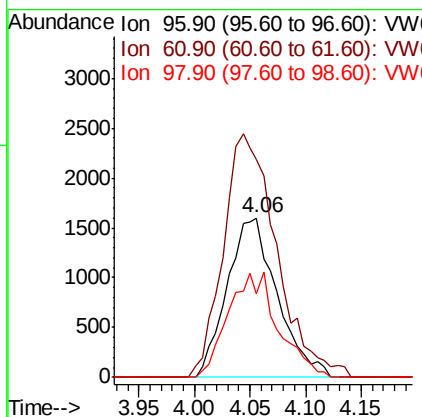
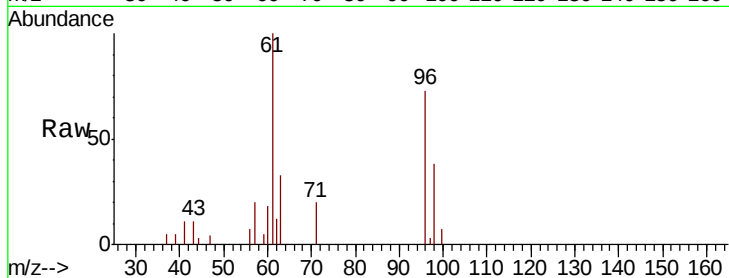




#12
 1,1-Dichloroethene
 Concen: 8.150 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. 0.02 min
 Lab File: VW007579.D
 Acq: 15 Dec 2018 14:00

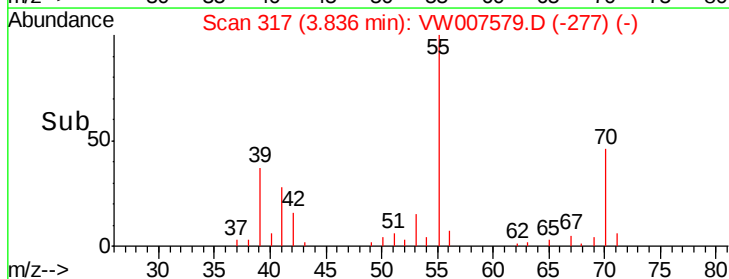
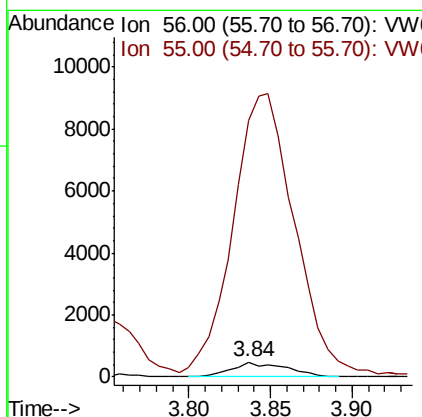
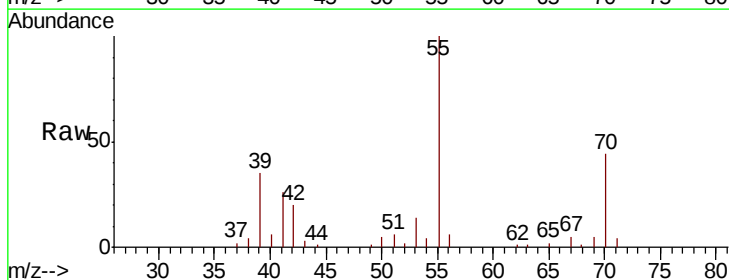
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MSD

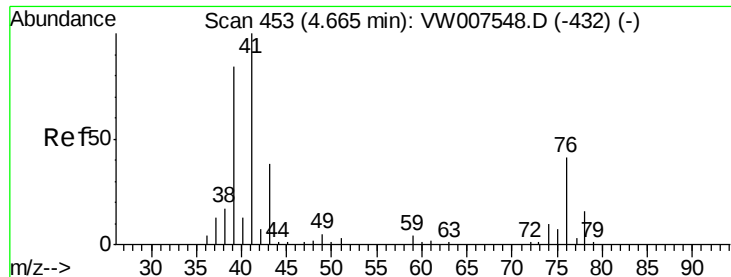
Tgt Ion: 96 Resp: 5005
 Ion Ratio Lower Upper
 96 100
 61 137.3 126.2 189.2
 98 52.8 48.3 72.5



#13
 Acrolein
 Concen: 35.104 ug/l
 RT: 3.84 min Scan# 317
 Delta R.T. -0.05 min
 Lab File: VW007579.D
 Acq: 15 Dec 2018 14:00

Tgt Ion: 56 Resp: 1108
 Ion Ratio Lower Upper
 56 100
 55 2197.2 57.4 86.2#





#14

Allyl chloride

Concen: 2.142 ug/l

RT: 4.76 min Scan# 468

Delta R.T. 0.10 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MSD

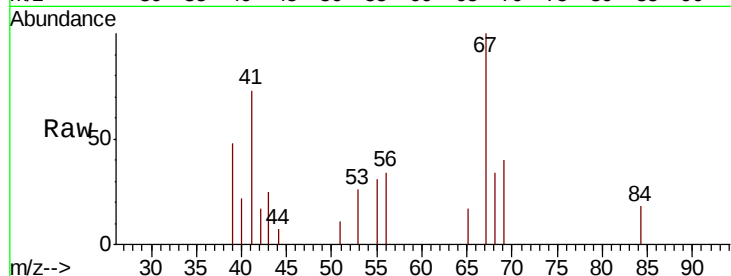
Tgt Ion: 41 Resp: 1939

Ion Ratio Lower Upper

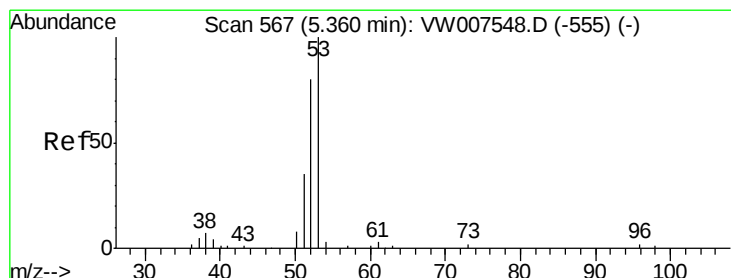
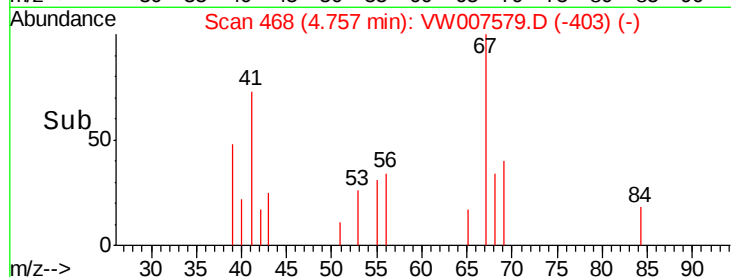
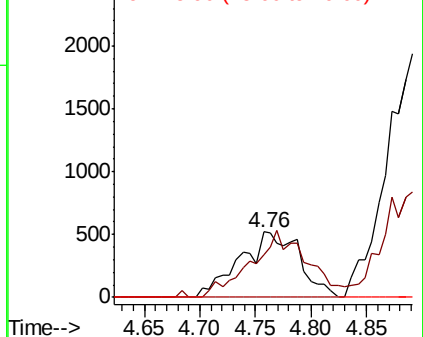
41 100

39 96.6 63.4 95.2#

76 0.0 32.1 48.1#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 75.90 (75.60 to 76.60): VW



#15

Acrylonitrile

Concen: 15.885 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.07 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

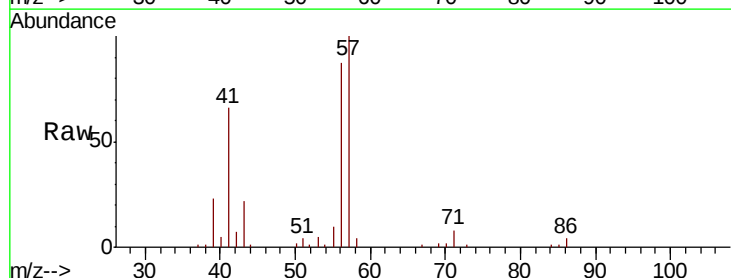
Tgt Ion: 53 Resp: 2026

Ion Ratio Lower Upper

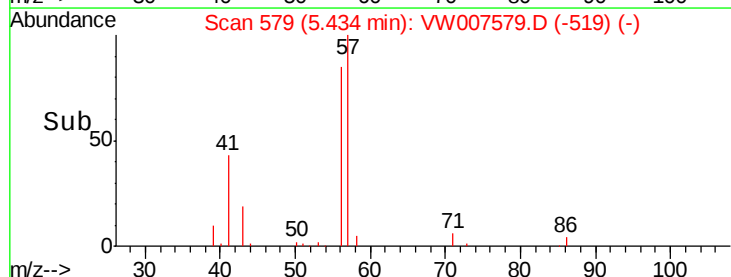
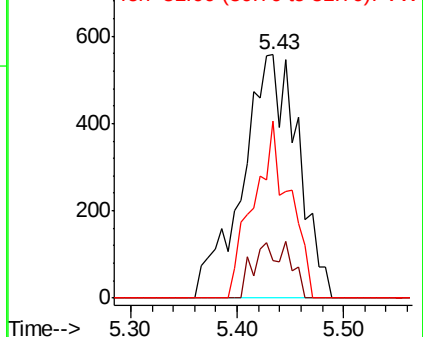
53 100

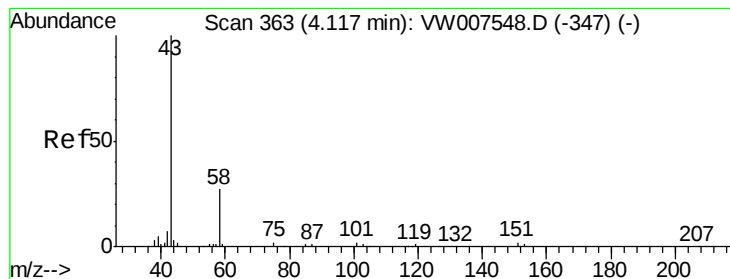
52 10.0 67.4 101.2#

51 47.2 30.2 45.2#



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





#16

Acetone

Concen: 169.747 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Instrument :

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ClientSampleId :

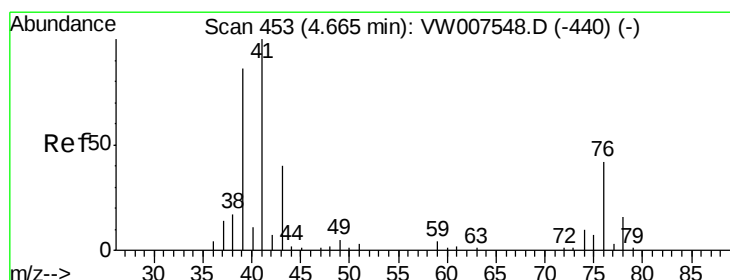
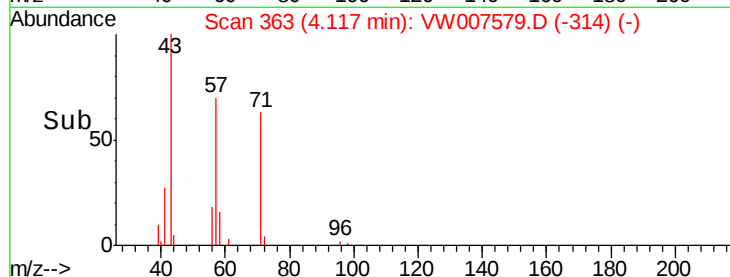
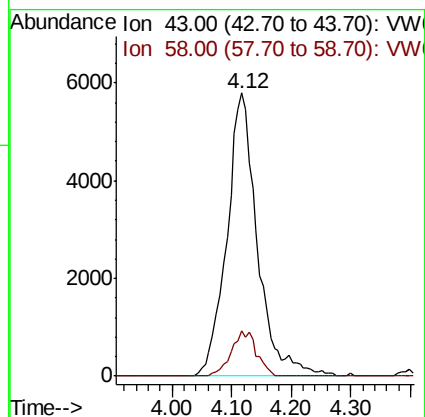
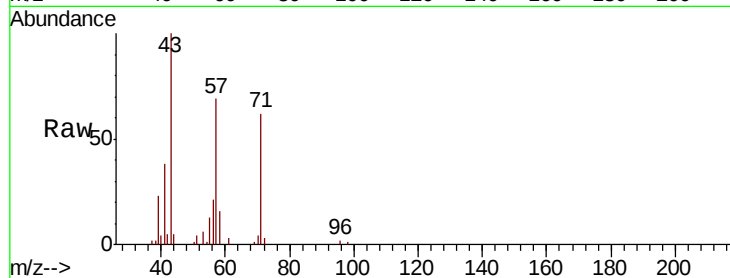
P001-SS001-0002-01MSD

Tgt Ion: 43 Resp: 20593

Ion Ratio Lower Upper

43 100

58 15.9 24.9 37.3#



#18

Methyl Acetate

Concen: 5.315 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.02 min

Lab File: VW007579.D

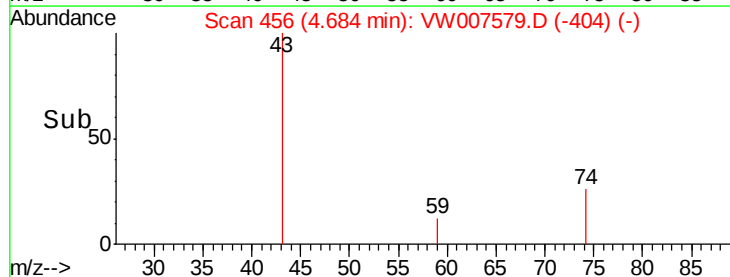
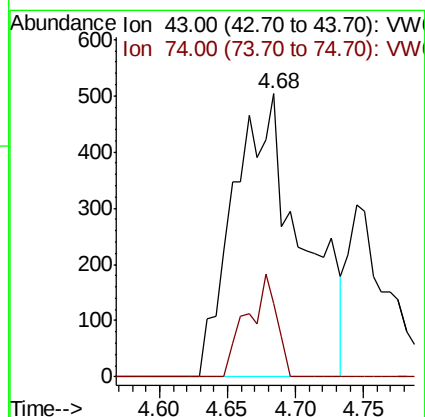
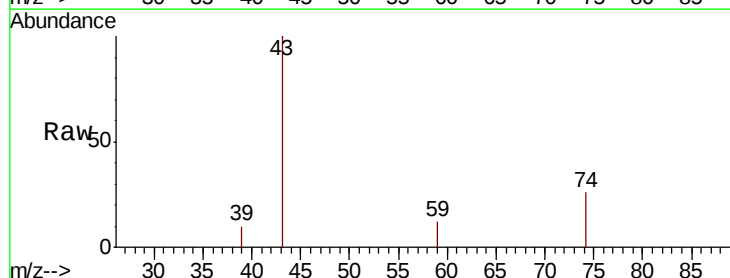
Acq: 15 Dec 2018 14:00

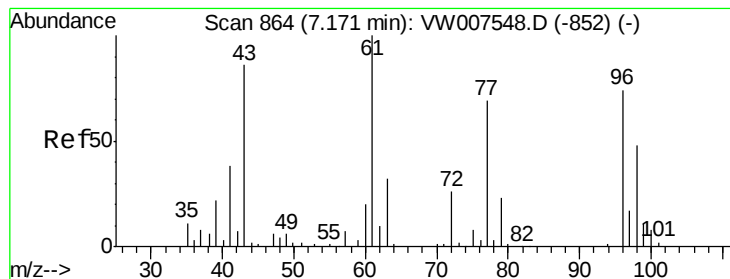
Tgt Ion: 43 Resp: 1750

Ion Ratio Lower Upper

43 100

74 15.9 21.1 31.7#





#25

2-Butanone

Concen: 31.166 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

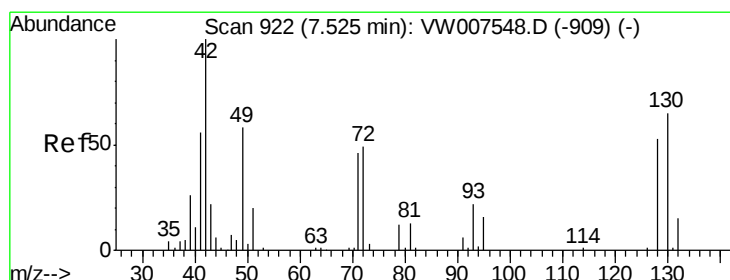
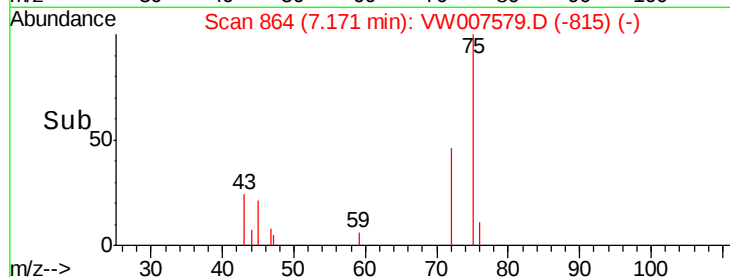
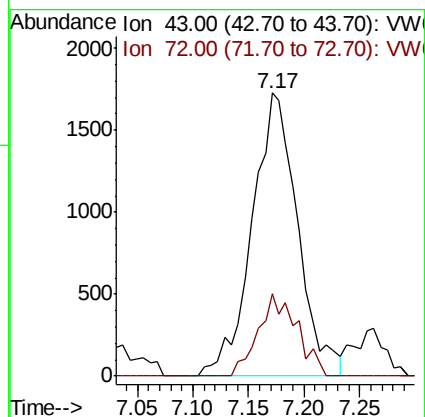
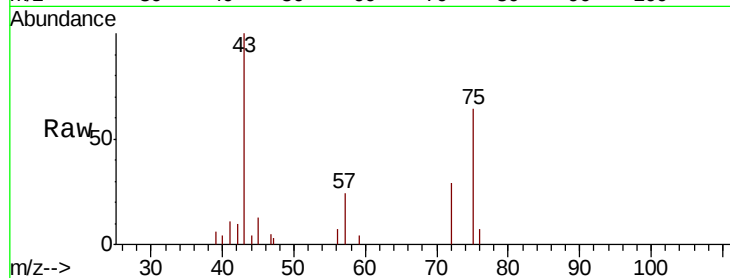
P001-SS001-0002-01MSD

Tgt Ion: 43 Resp: 4936

Ion Ratio Lower Upper

43 100

72 29.1 23.4 35.2



#29

Tetrahydrofuran

Concen: 4.069 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

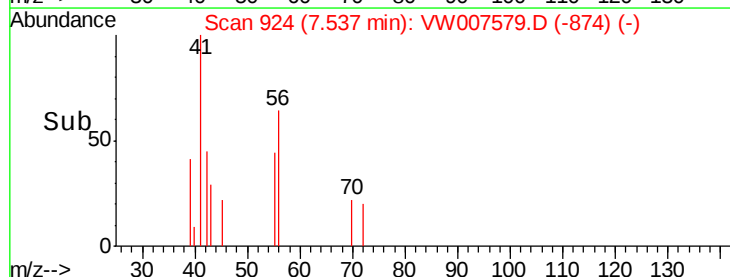
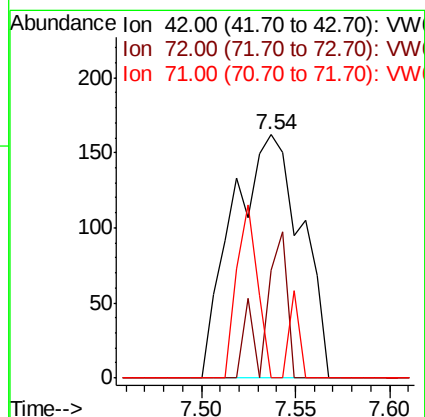
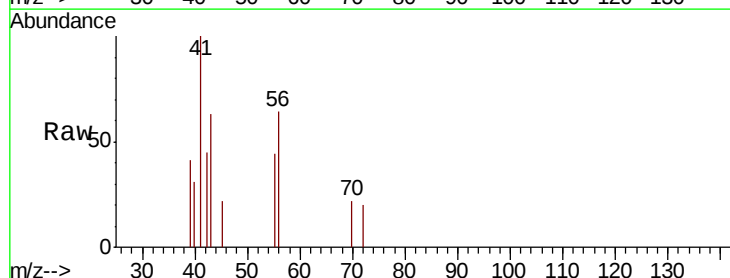
Tgt Ion: 42 Resp: 408

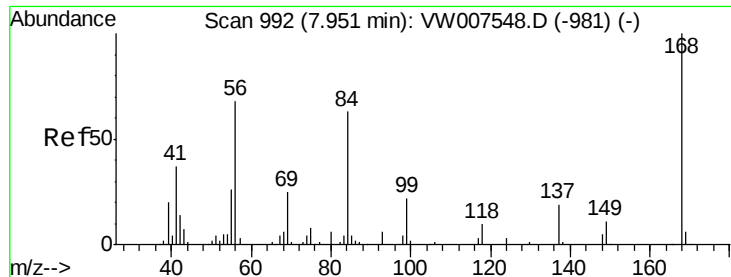
Ion Ratio Lower Upper

42 100

72 19.9 38.2 57.4#

71 21.8 35.5 53.3#

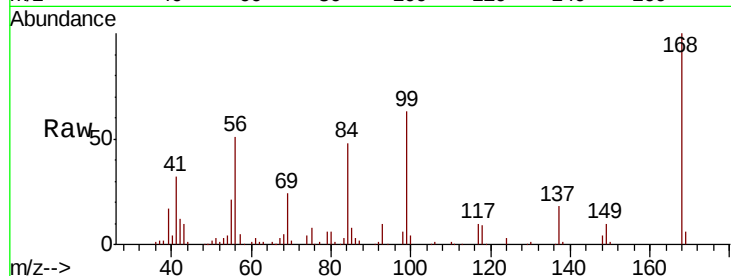




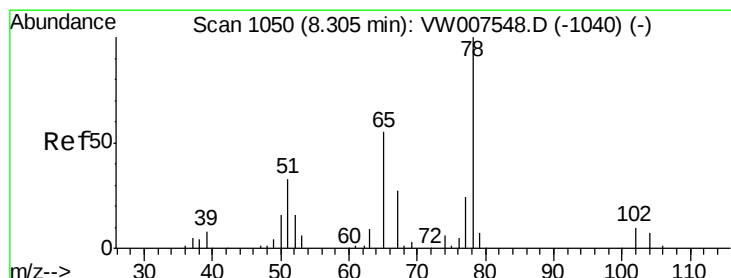
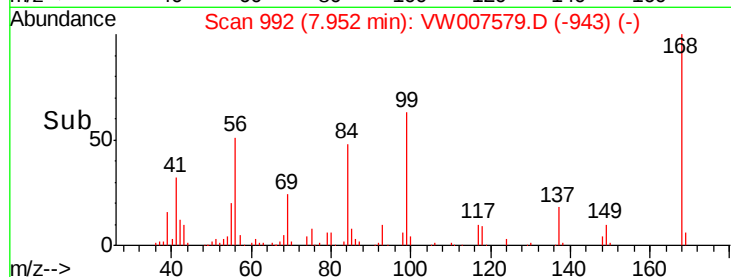
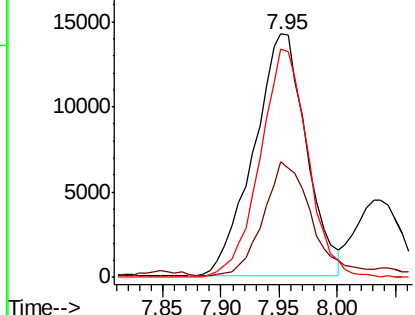
#31
Cyclohexane
Concen: 41.227 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MSD

Tgt Ion: 56 Resp: 44482
Ion Ratio Lower Upper
56 100
69 46.4 28.9 43.3#
84 94.6 71.8 107.6

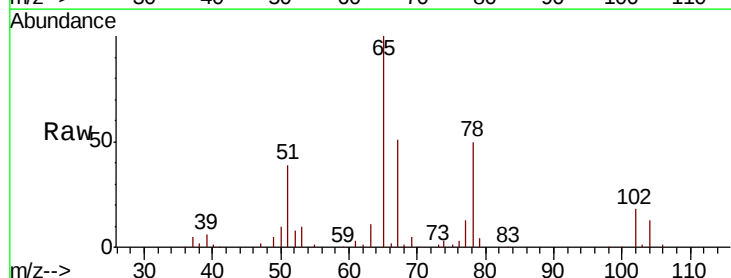


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

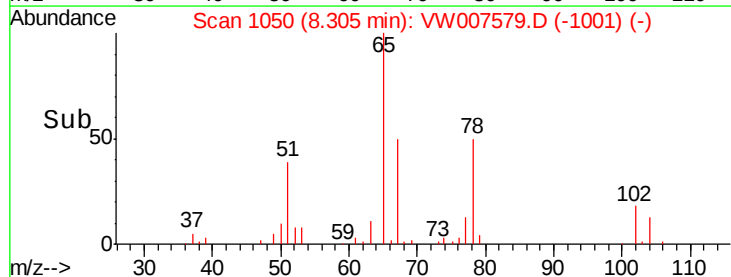
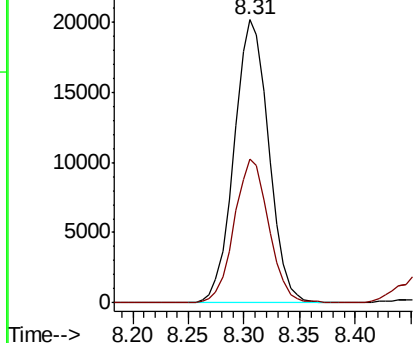


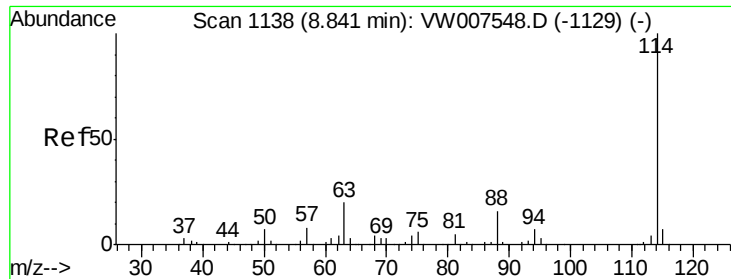
#33
1,2-Dichloroethane-d4
Concen: 62.369 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Tgt Ion: 65 Resp: 43318
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

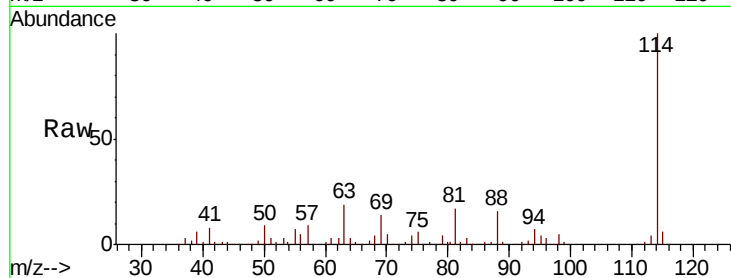




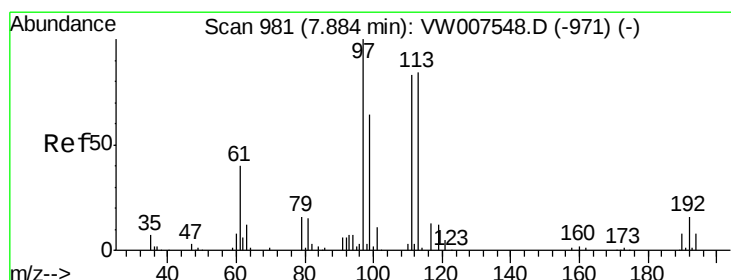
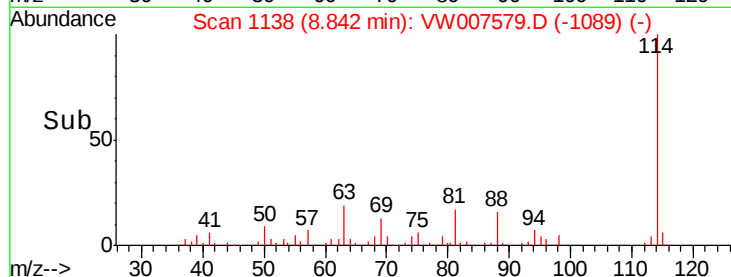
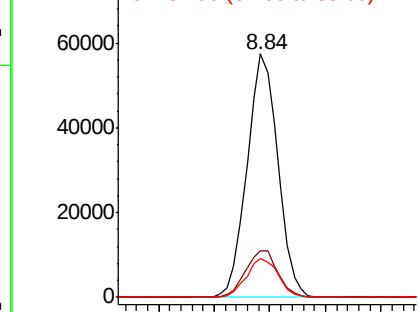
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MSD

Tgt Ion:114 Resp: 110750
Ion Ratio Lower Upper
114 100
63 18.9 0.0 39.6
88 15.8 0.0 31.4

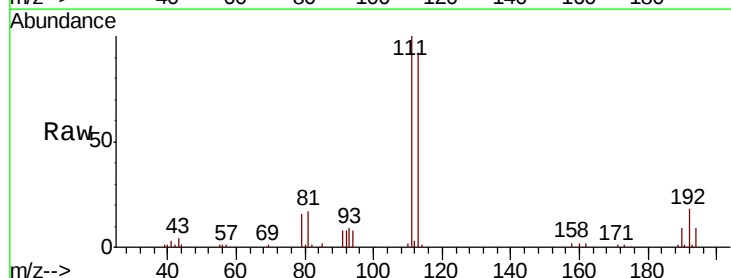


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

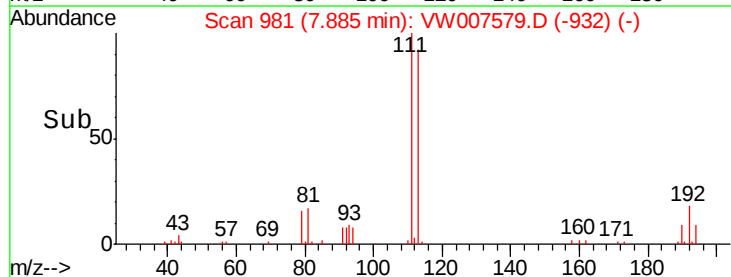
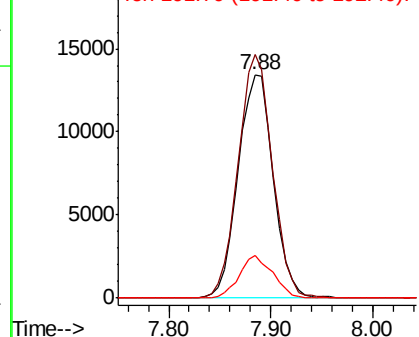


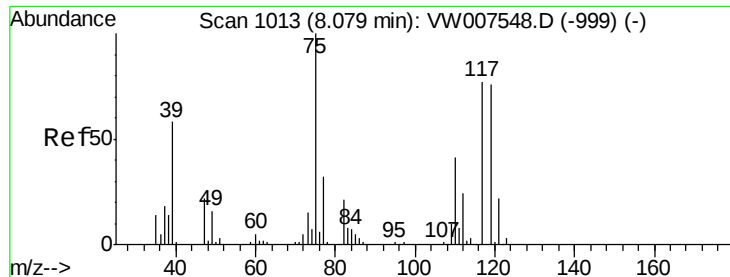
#35
Dibromofluoromethane
Concen: 47.940 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Tgt Ion:113 Resp: 32140
Ion Ratio Lower Upper
113 100
111 105.6 81.1 121.7
192 18.1 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.718 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MSD

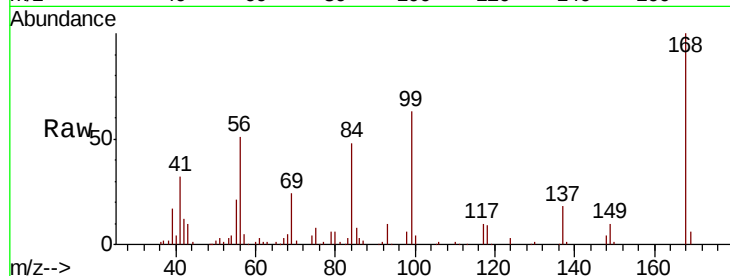
Tgt Ion: 75 Resp: 4767

Ion Ratio Lower Upper

75 100

110 9.5 18.5 55.5#

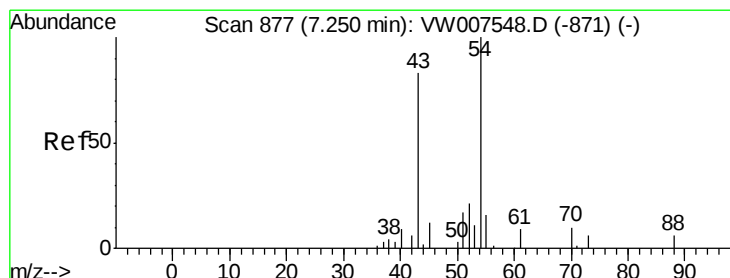
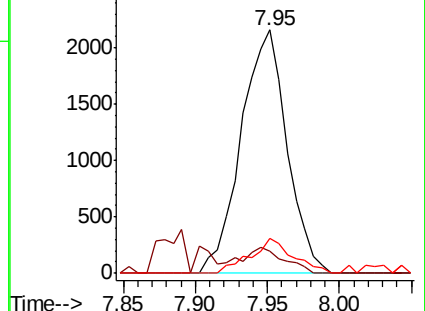
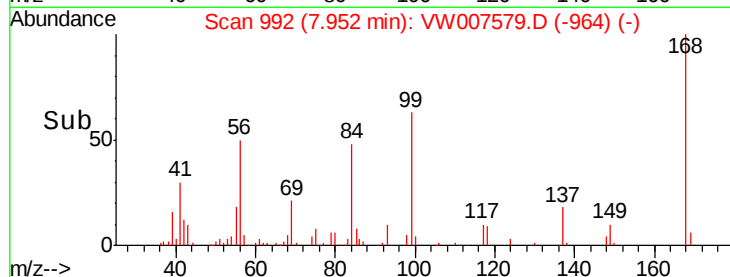
77 13.4 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 1.514 ug/l

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

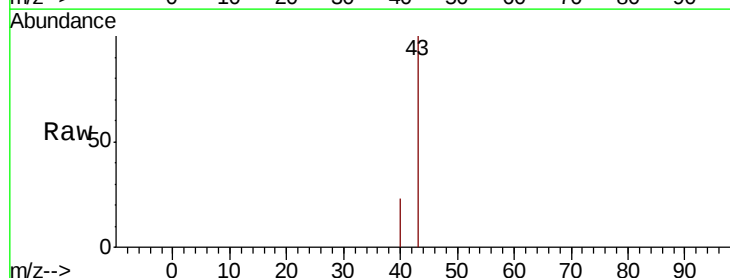
Tgt Ion: 43 Resp: 569

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

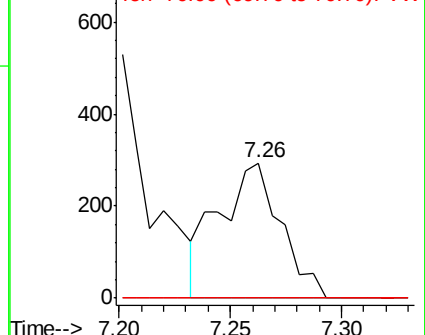
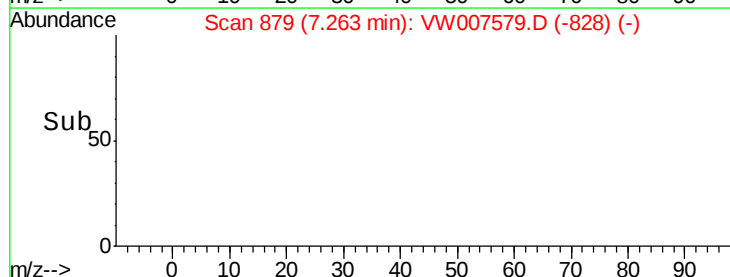
70 0.0 10.0 15.0#

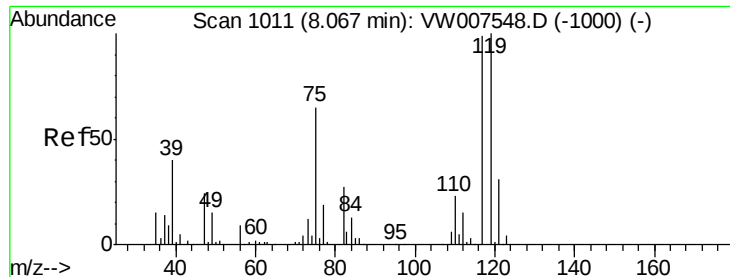


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.100 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MSD

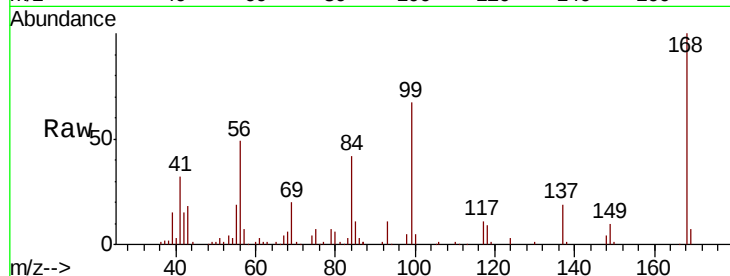
Tgt Ion: 117 Resp: 6706

Ion Ratio Lower Upper

117 100

119 6.3 74.3 111.5#

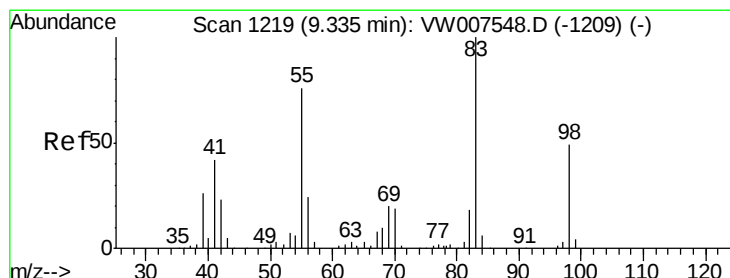
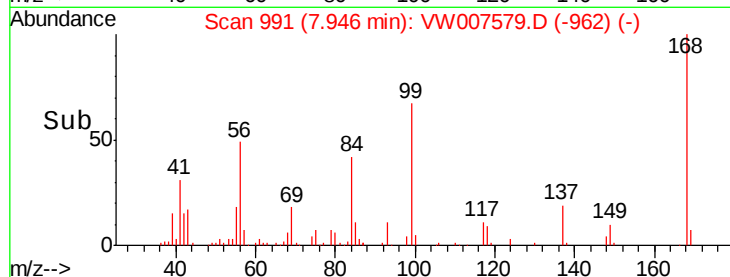
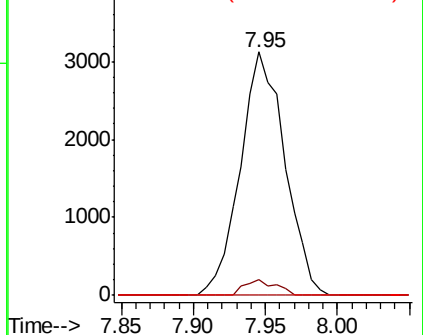
121 0.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 28.418 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

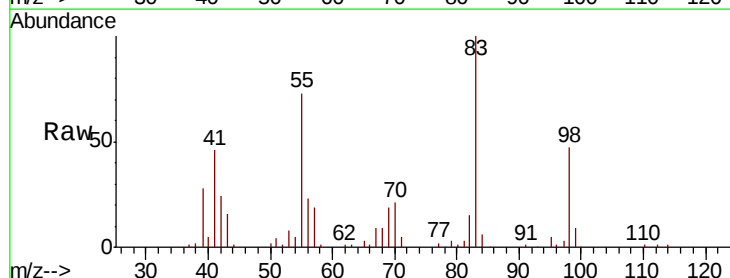
Tgt Ion: 83 Resp: 34766

Ion Ratio Lower Upper

83 100

55 73.3 62.8 94.2

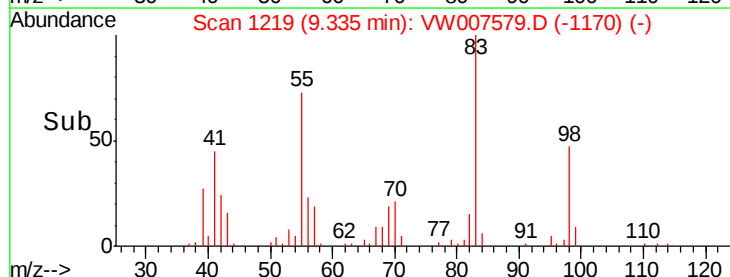
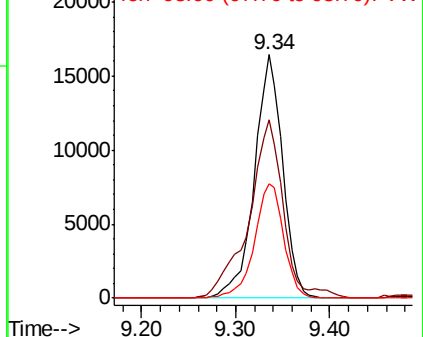
98 47.1 42.2 63.2

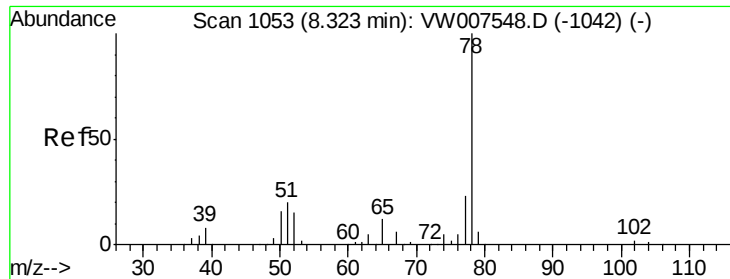


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 19.840 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

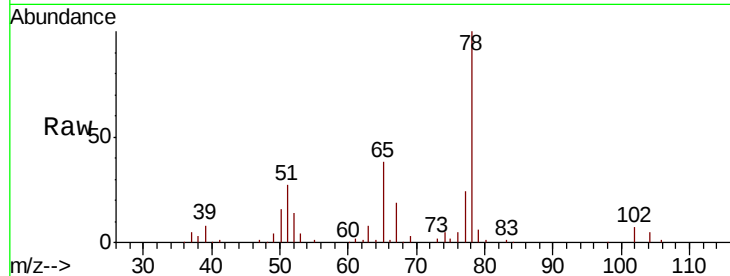
P001-SS001-0002-01MSD

Tgt Ion: 78 Resp: 55626

Ion Ratio Lower Upper

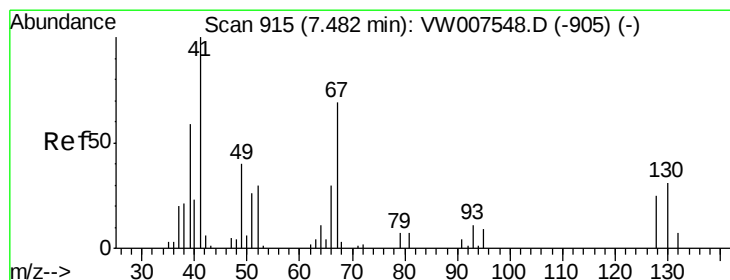
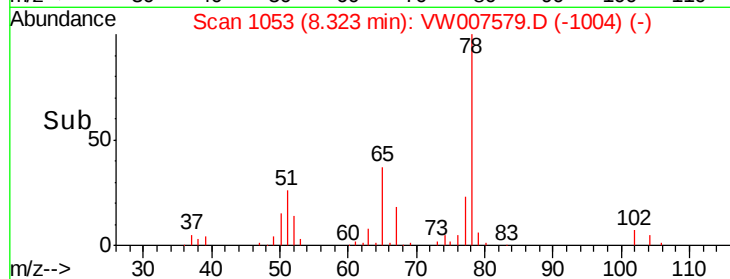
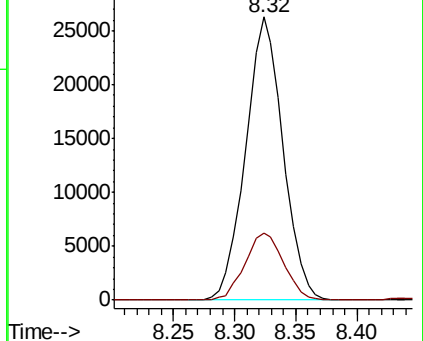
78 100

77 23.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#41

Methacrylonitrile

Concen: 5.019 ug/l

RT: 7.52 min Scan# 921

Delta R.T. 0.04 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Tgt Ion: 41 Resp: 1074

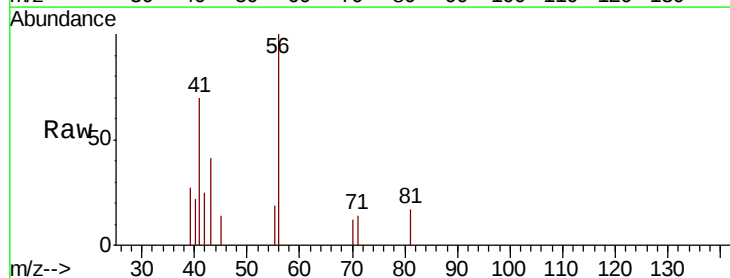
Ion Ratio Lower Upper

41 100

39 39.2 52.2 78.2#

67 0.0 60.5 90.7#

52 3.9 25.3 37.9#

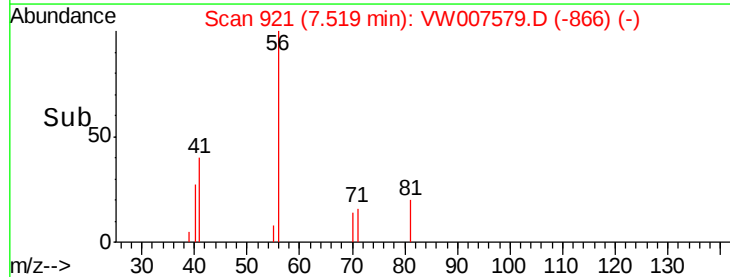
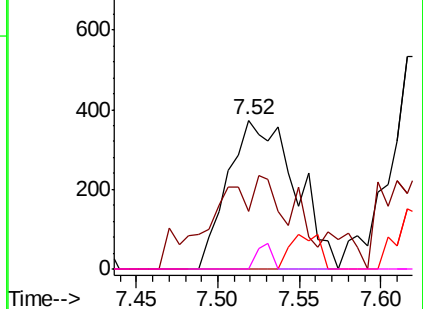


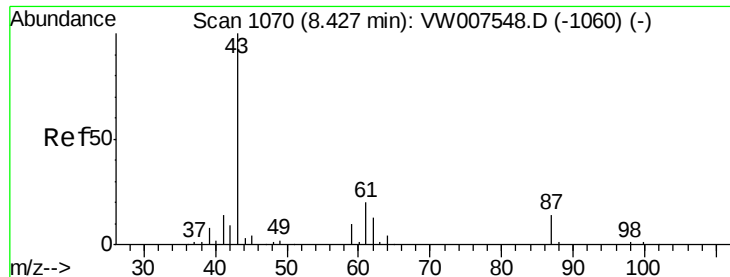
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#43

Isopropyl Acetate

Concen: 4.387 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MSD

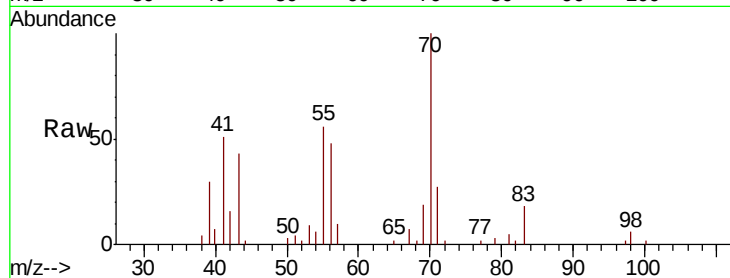
Tgt Ion: 43 Resp: 3256

Ion Ratio Lower Upper

43 100

61 0.0 25.3 37.9#

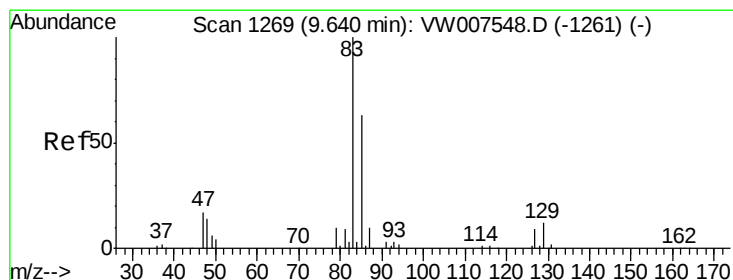
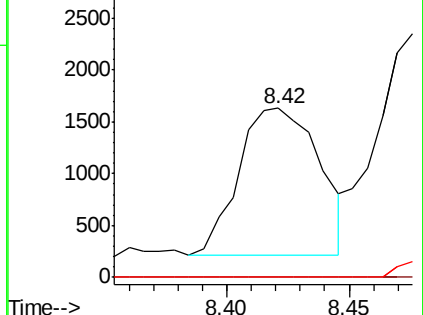
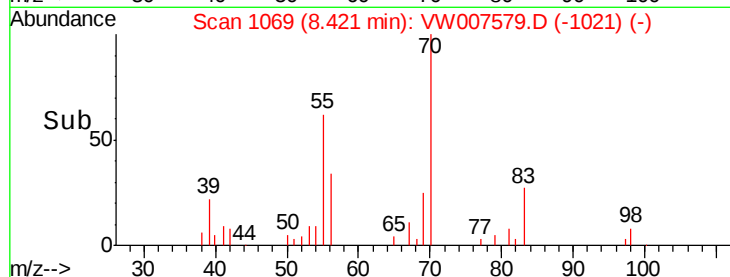
87 0.0 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#47

Bromodichloromethane

Concen: 1.942 ug/l

RT: 9.62 min Scan# 1266

Delta R.T. -0.02 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

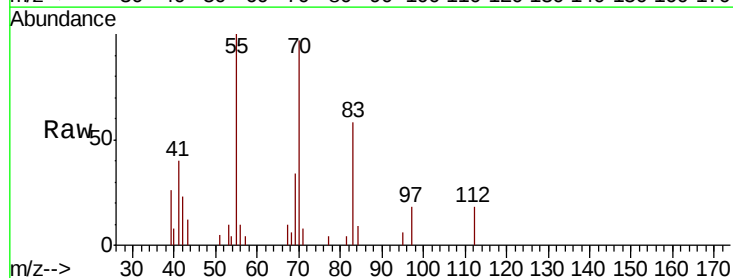
Tgt Ion: 83 Resp: 1877

Ion Ratio Lower Upper

83 100

85 0.0 47.6 71.4#

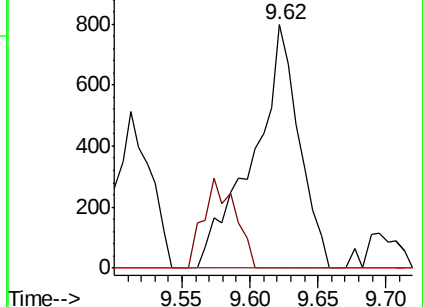
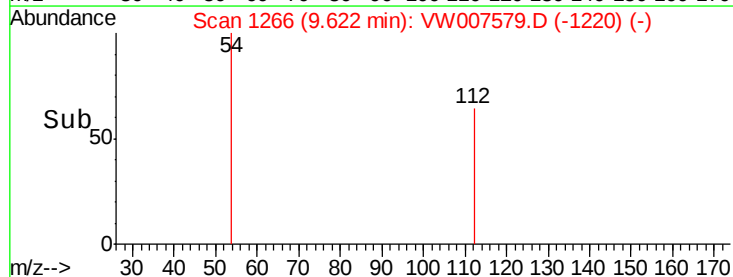
127 0.0 6.7 10.1#

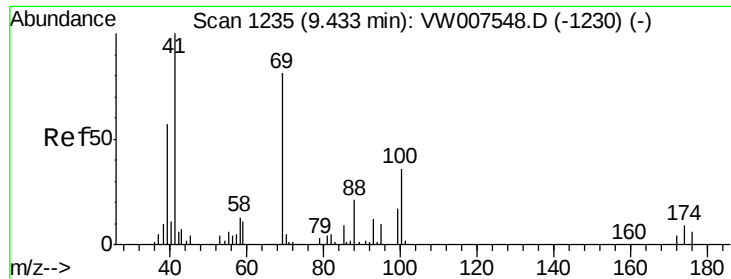


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW

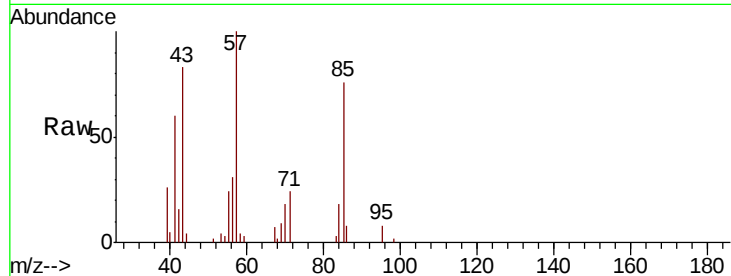




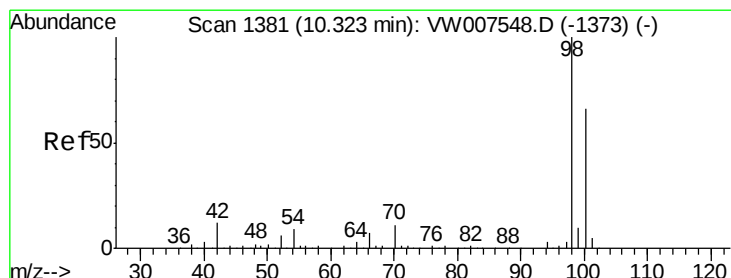
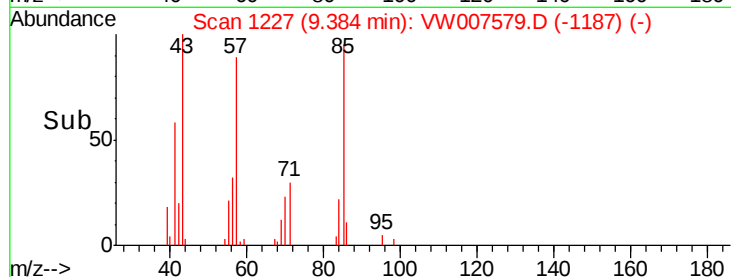
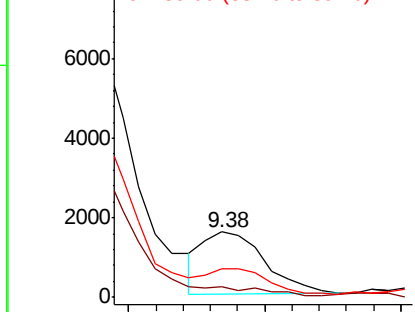
#48
Methyl methacrylate
Concen: 6.490 ug/l
RT: 9.38 min Scan# 1227
Delta R.T. -0.05 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MSD

Tgt Ion: 41 Resp: 2474
Ion Ratio Lower Upper
41 100
69 0.0 69.8 104.8#
39 32.3 50.9 76.3#

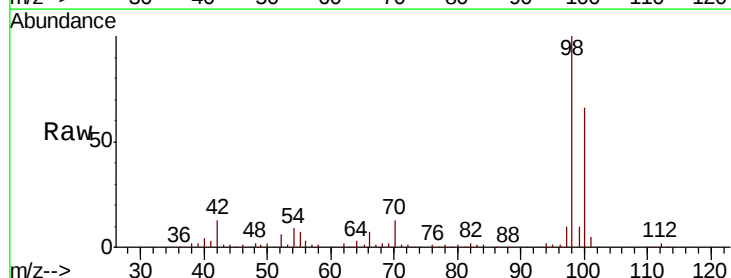


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

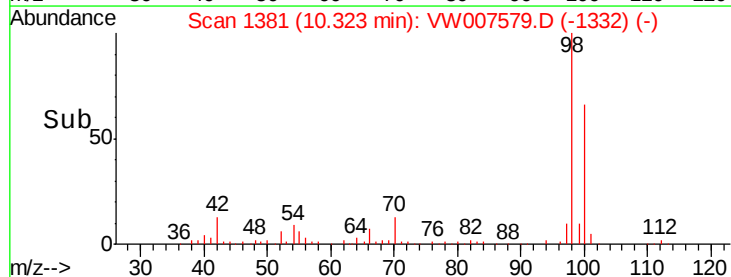
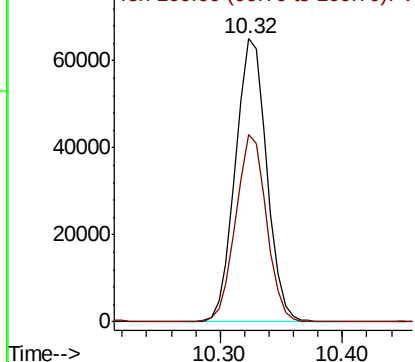


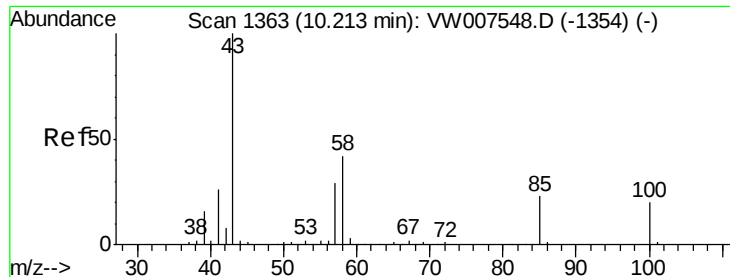
#50
Toluene-d8
Concen: 45.856 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Tgt Ion: 98 Resp: 115268
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8



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

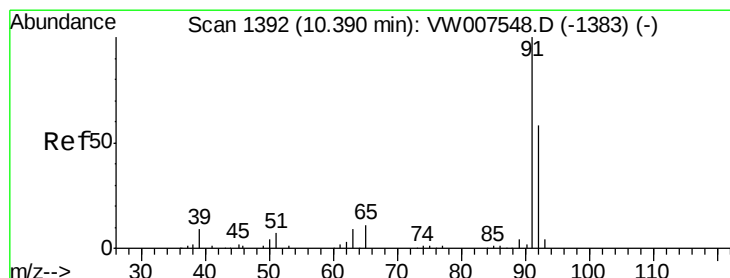
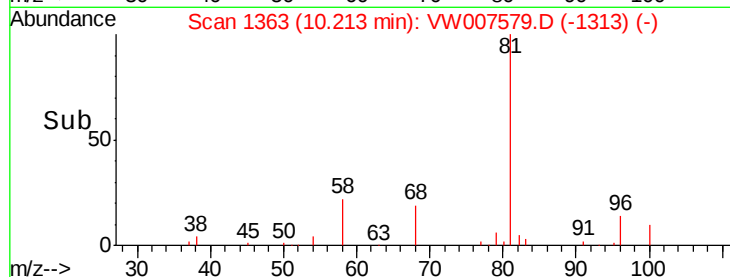
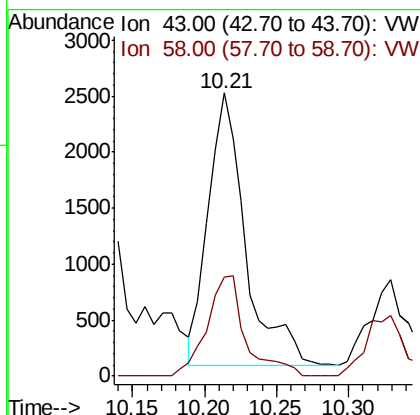
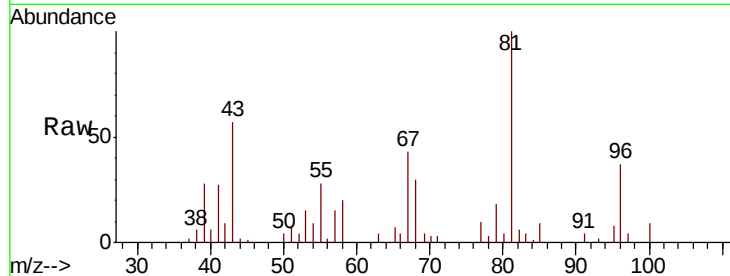




#51
4-Methyl-2-Pentanone
Concen: 12.634 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

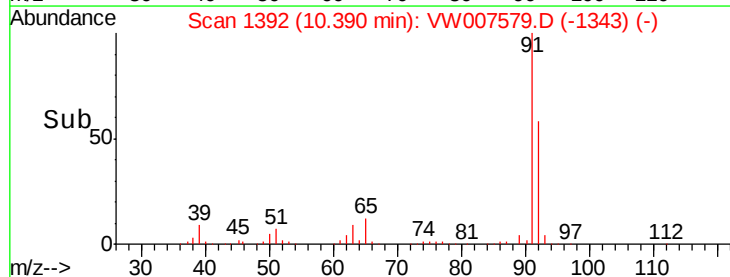
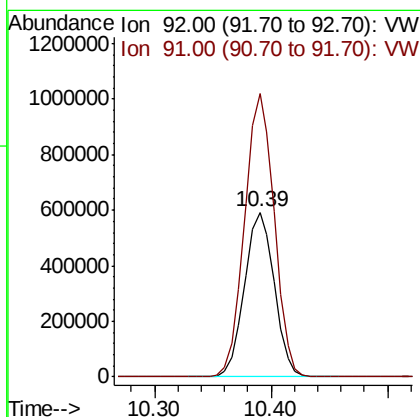
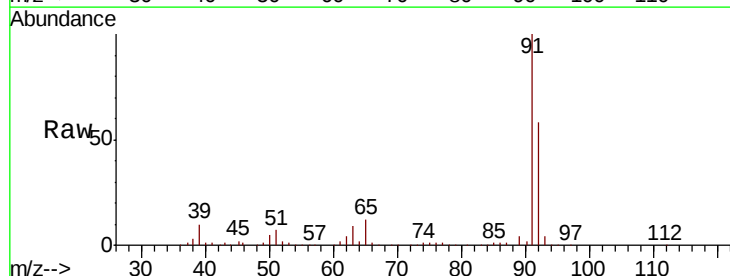
Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MSD

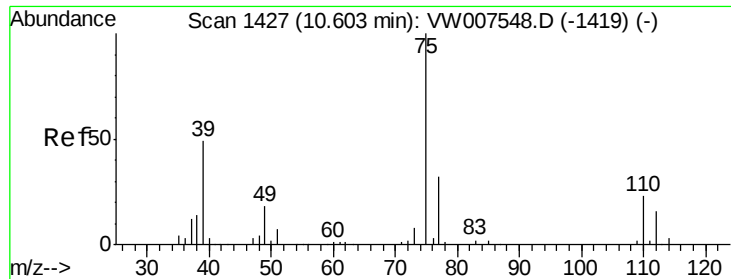
Tgt Ion: 43 Resp: 4431
Ion Ratio Lower Upper
43 100
58 38.1 33.1 49.7



#52
Toluene
Concen: 582.550 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Tgt Ion: 92 Resp: 1057004
Ion Ratio Lower Upper
92 100
91 171.6 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 14.585 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.21 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

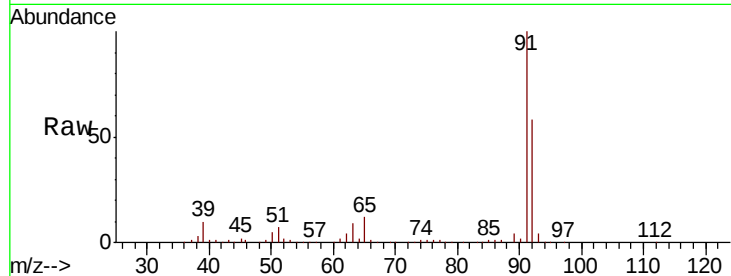
P001-SS001-0002-01MSD

Tgt Ion: 75 Resp: 13685

Ion Ratio Lower Upper

75 100

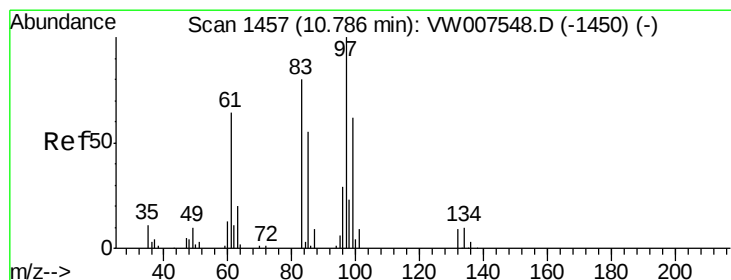
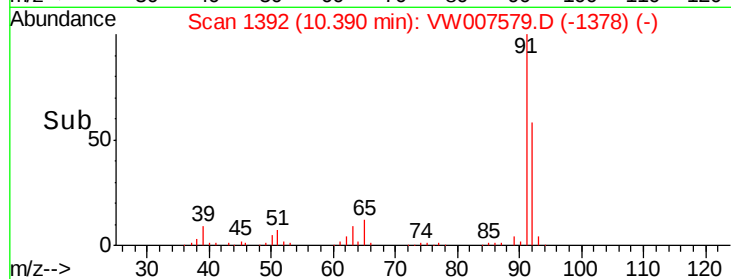
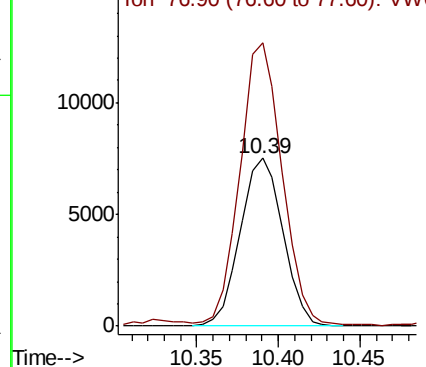
77 167.7 26.2 39.4#



Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#55

1,1,2-Trichloroethane

Concen: 12.005 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.03 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Tgt Ion: 97 Resp: 6020

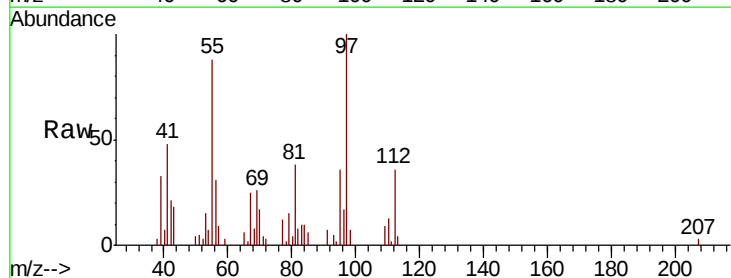
Ion Ratio Lower Upper

97 100

83 10.1 62.1 93.1#

85 5.9 44.2 66.4#

99 0.0 50.2 75.4#



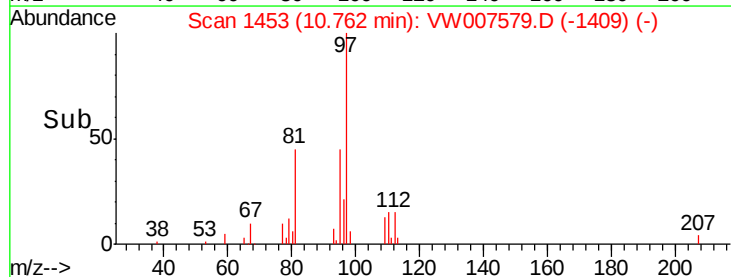
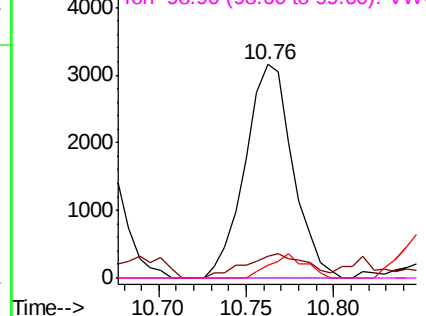
Abundance

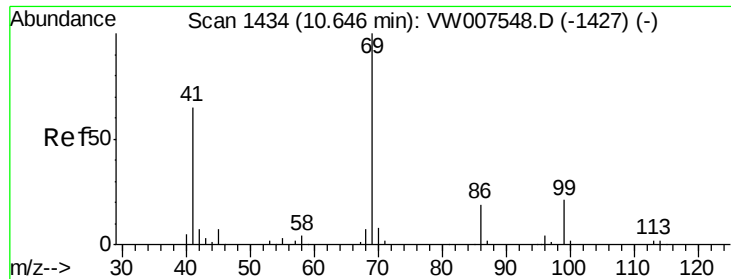
Ion 96.90 (96.60 to 97.60): VW

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

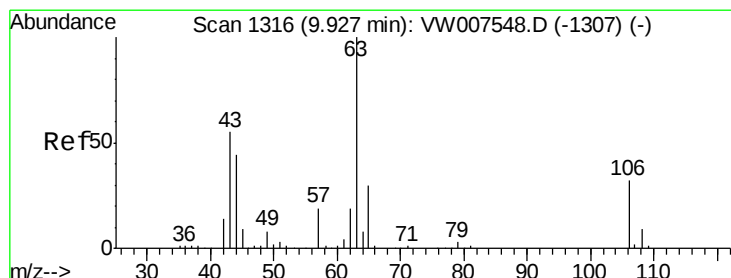
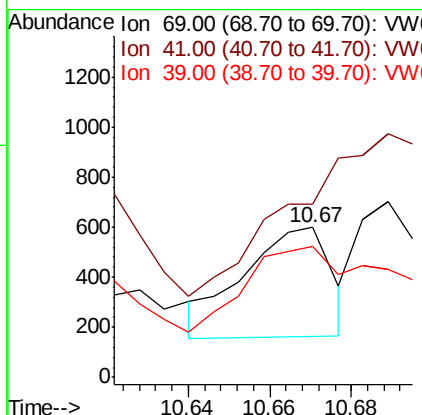
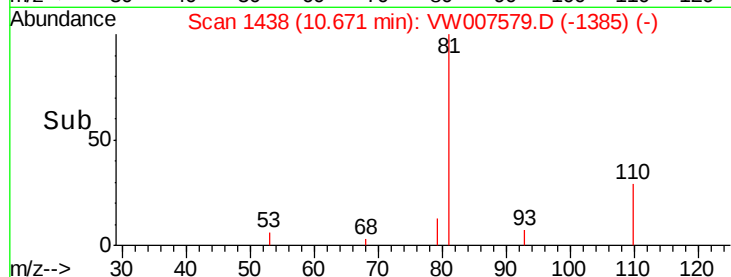
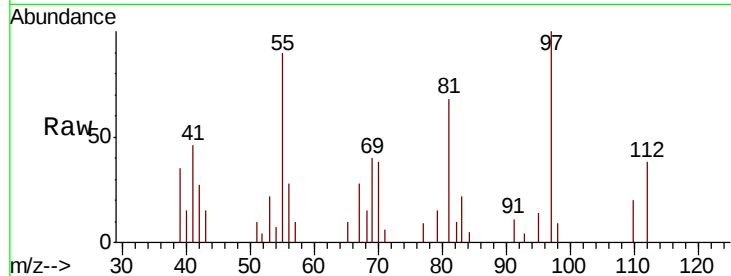




#56
Ethyl methacrylate
Concen: 1.087 ug/l
RT: 10.67 min Scan# 1438
Delta R.T. 0.02 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

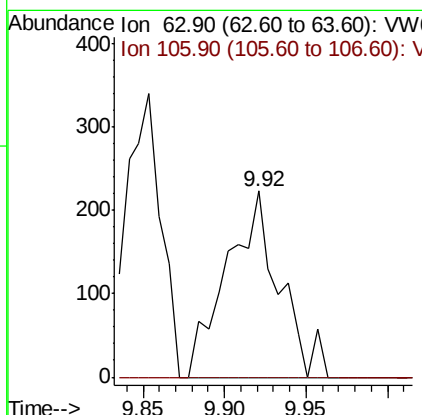
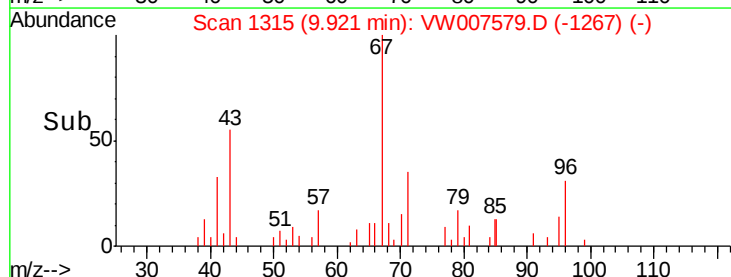
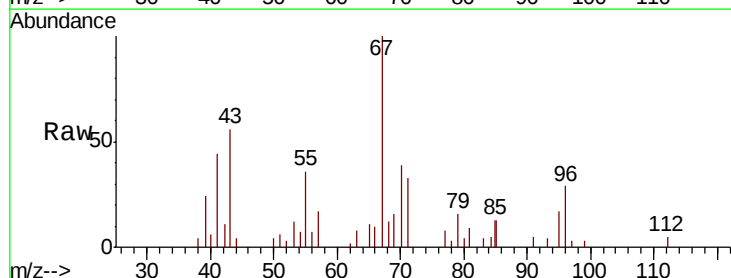
Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MSD

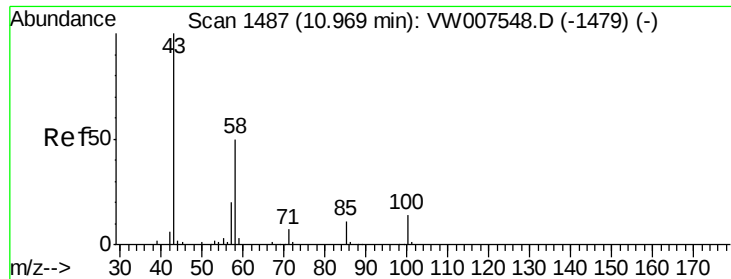
Tgt Ion: 69 Resp: 655
Ion Ratio Lower Upper
69 100
41 0.0 51.0 76.6#
39 0.0 30.8 46.2#



#58
2-Chloroethyl Vinyl ether
Concen: 1.792 ug/l
RT: 9.92 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Tgt Ion: 63 Resp: 498
Ion Ratio Lower Upper
63 100
106 0.0 25.0 37.6#

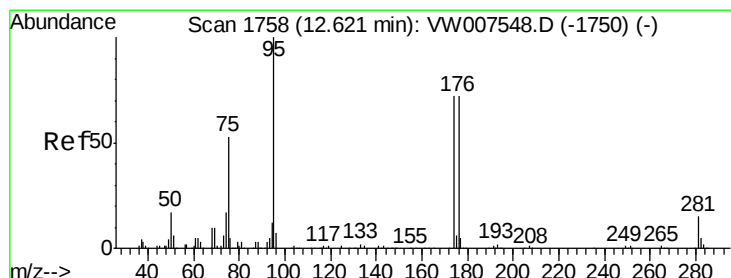
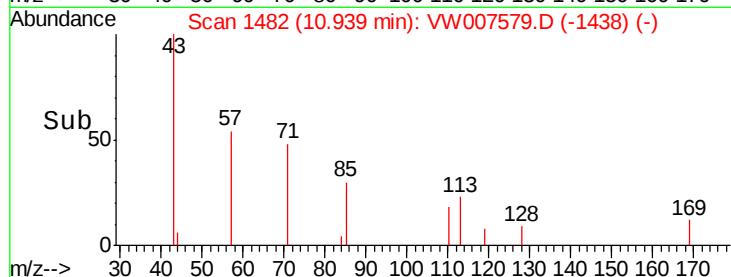
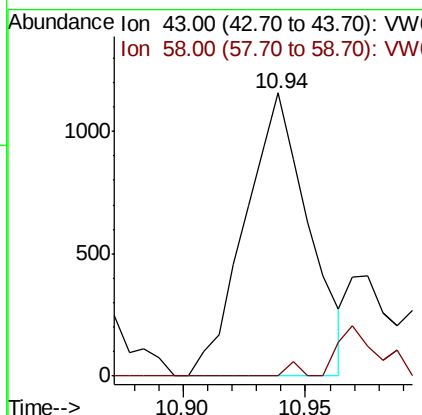
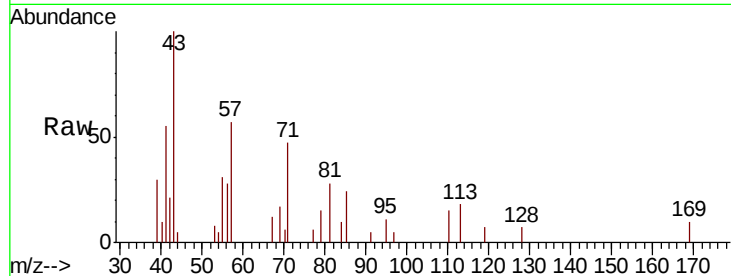




#59
2-Hexanone
Concen: 8.941 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

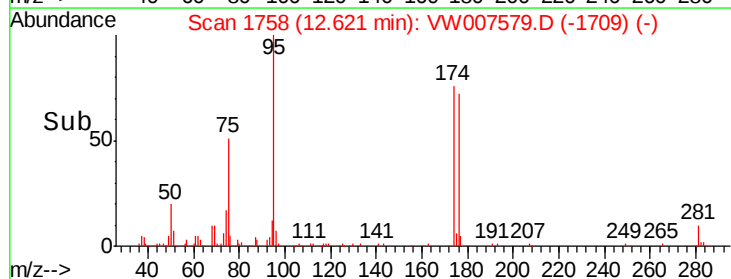
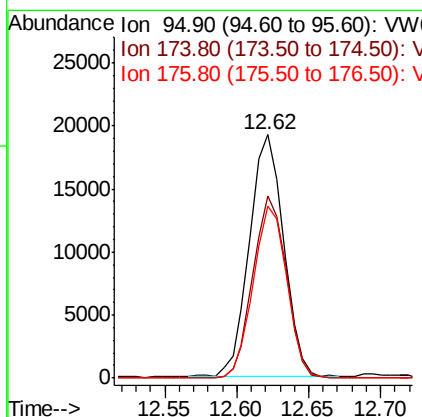
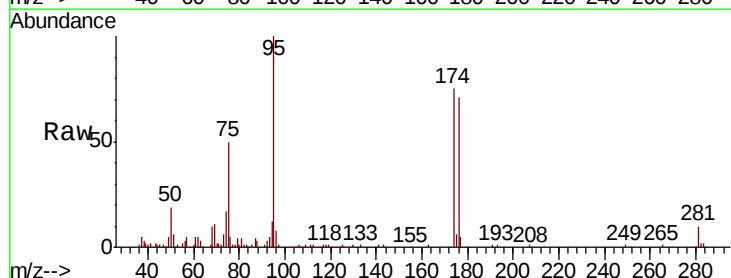
Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MSD

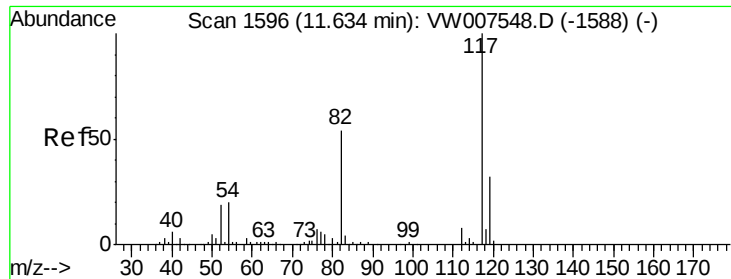
Tgt Ion: 43 Resp: 2091
Ion Ratio Lower Upper
43 100
58 1.0 27.1 81.3#



#62
4-Bromofluorobenzene
Concen: 34.145 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Tgt Ion: 95 Resp: 31557
Ion Ratio Lower Upper
95 100
174 73.5 0.0 147.2
176 69.6 0.0 138.8

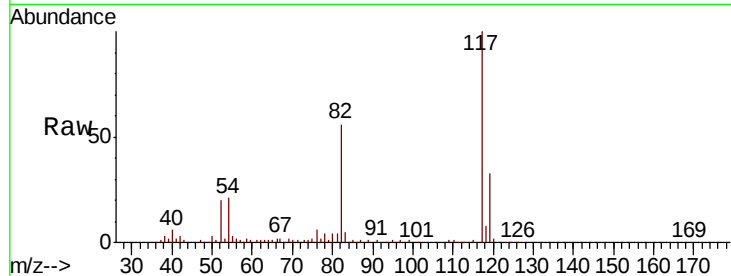




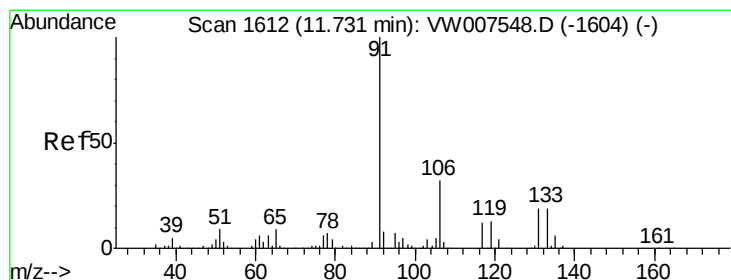
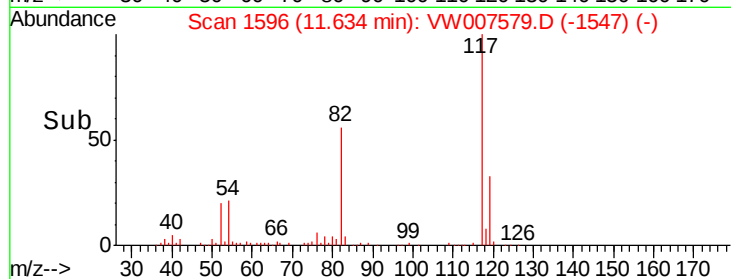
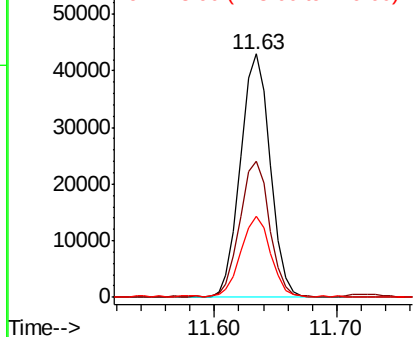
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MSD

Tgt Ion: 117 Resp: 72650
Ion Ratio Lower Upper
117 100
82 55.4 42.3 63.5
119 32.7 23.0 34.6

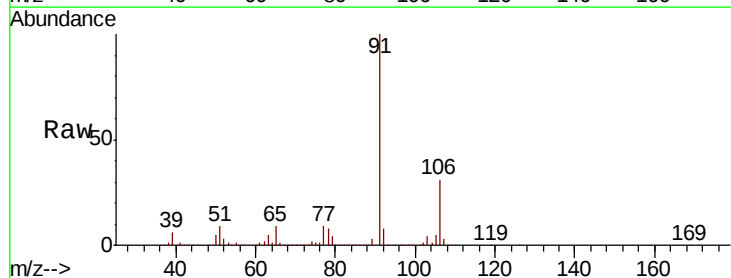


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

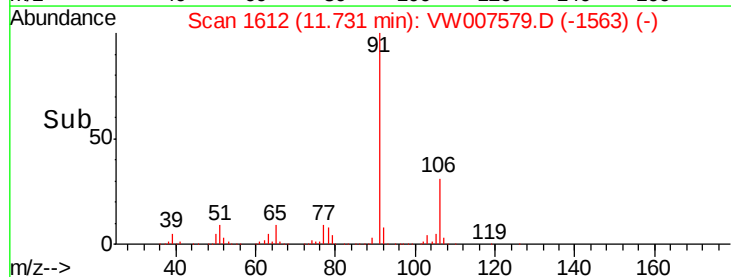
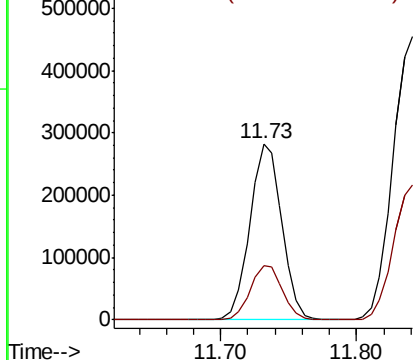


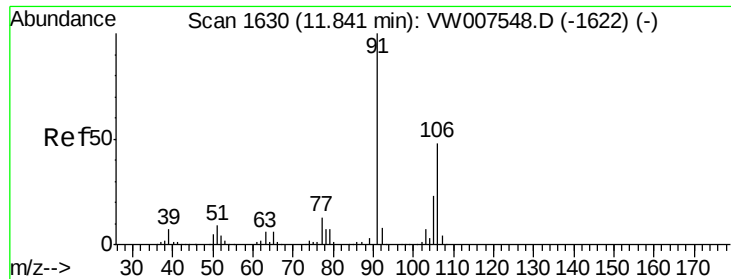
#67
Ethyl Benzene
Concen: 178.458 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Tgt Ion: 91 Resp: 464603
Ion Ratio Lower Upper
91 100
106 31.0 21.8 32.8



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

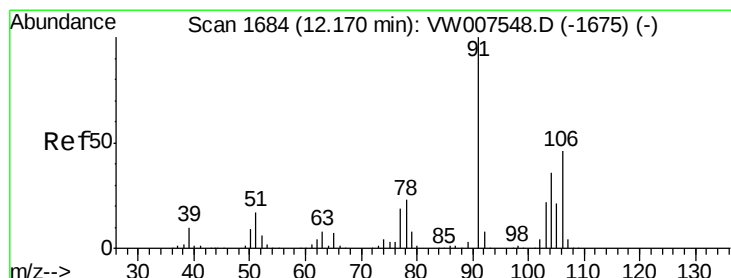
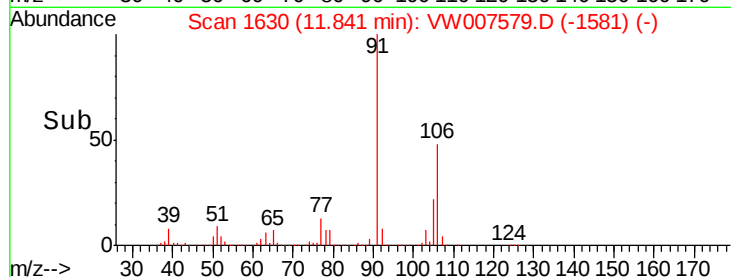
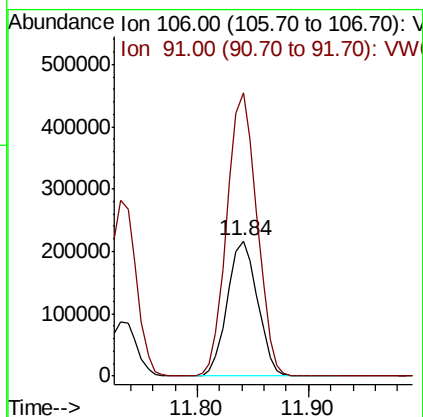
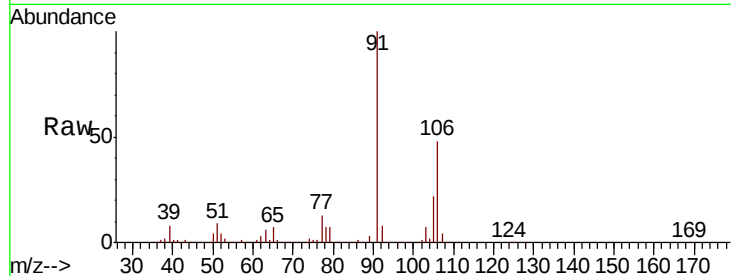




#68
m/p-Xylenes
Concen: 402.710 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

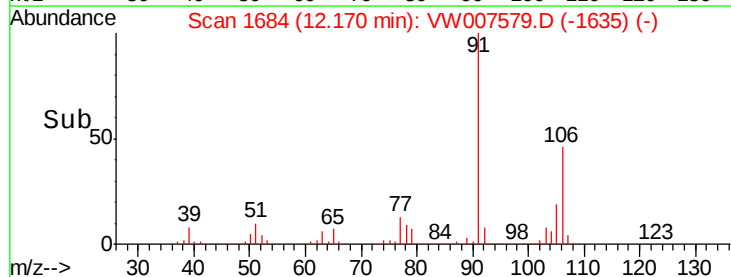
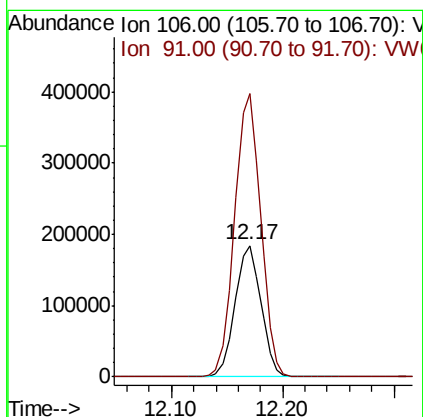
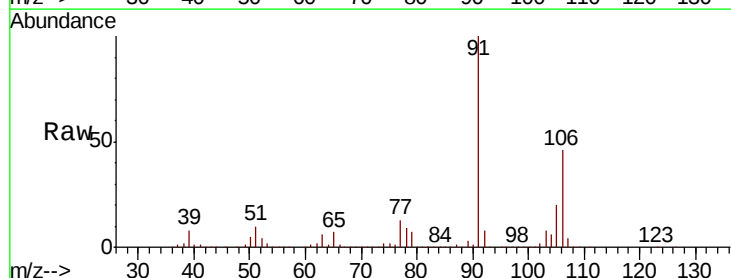
Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MSD

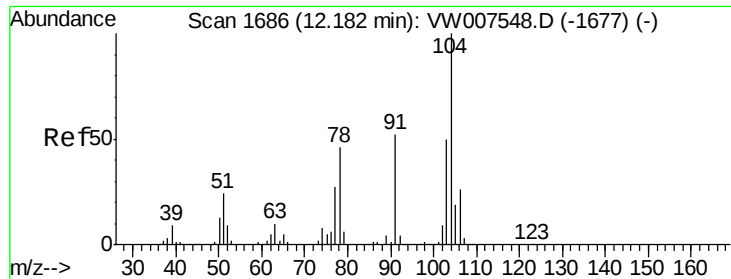
Tgt Ion:106 Resp: 407583
Ion Ratio Lower Upper
106 100
91 208.2 165.3 247.9



#69
o-Xylene
Concen: 313.479 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Tgt Ion:106 Resp: 296311
Ion Ratio Lower Upper
106 100
91 218.2 106.6 319.8

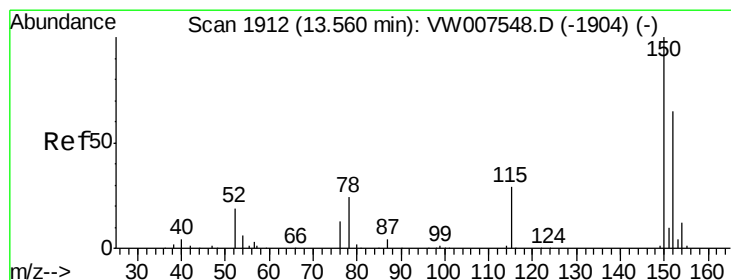
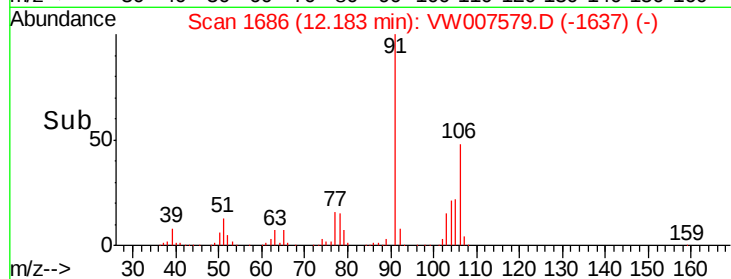
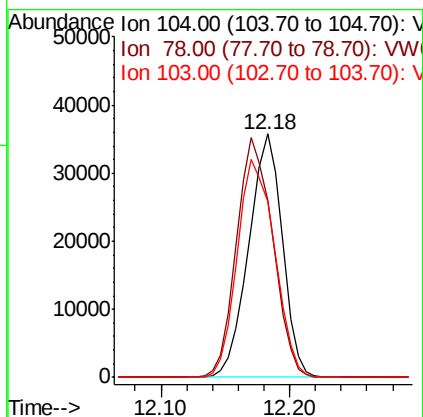
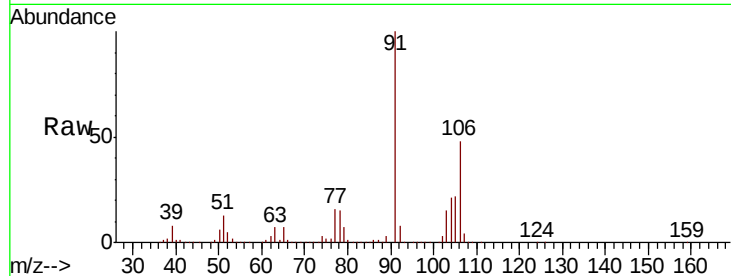




#70
Styrene
Concen: 42.250 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

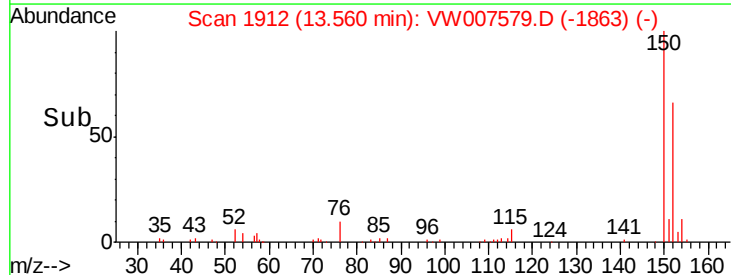
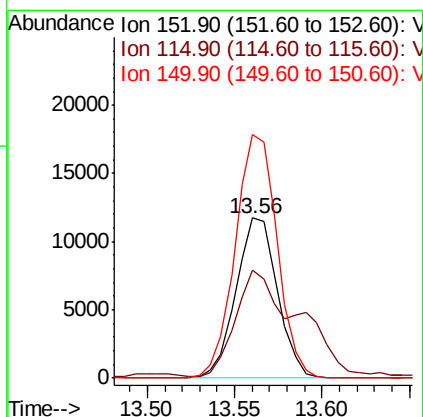
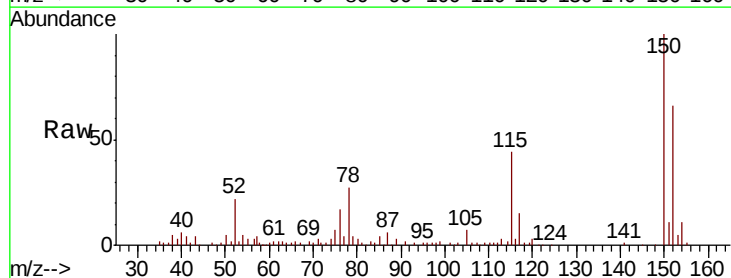
Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MSD

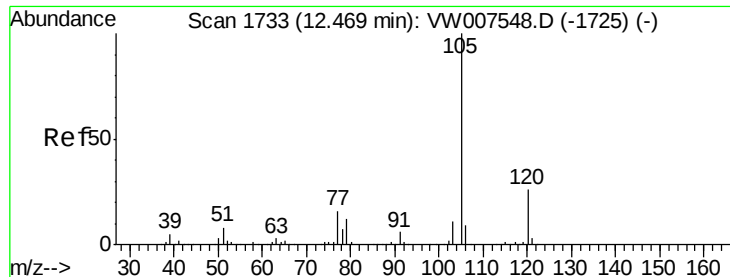
Tgt Ion:104 Resp: 64505
Ion Ratio Lower Upper
104 100
78 106.1 41.8 62.8#
103 99.9 46.6 69.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007579.D
Acq: 15 Dec 2018 14:00

Tgt Ion:152 Resp: 19281
Ion Ratio Lower Upper
152 100
115 102.2 31.4 94.2#
150 153.8 0.0 358.4





#73

Isopropylbenzene

Concen: 27.805 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

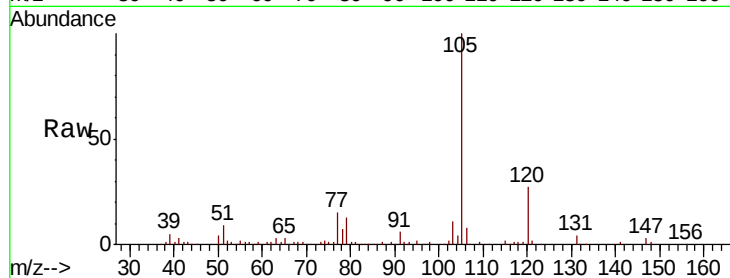
P001-SS001-0002-01MSD

Tgt Ion: 105 Resp: 41079

Ion Ratio Lower Upper

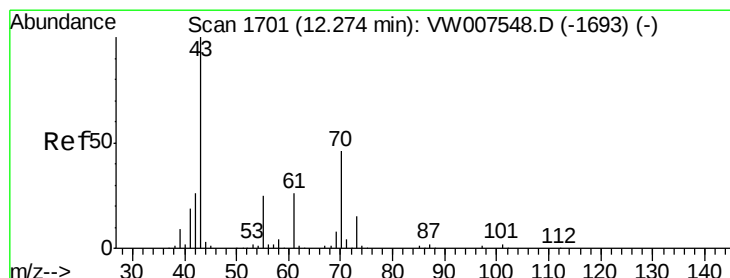
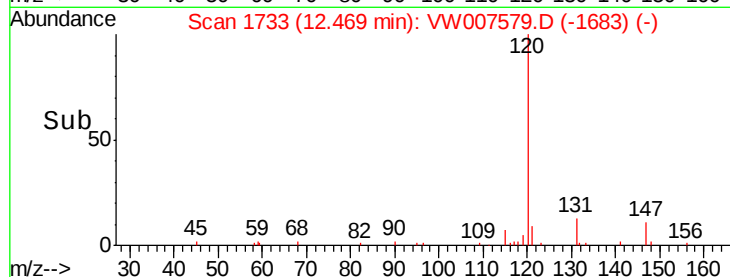
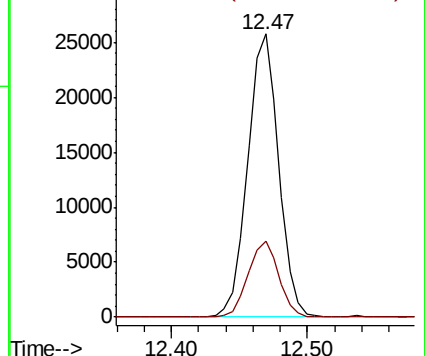
105 100

120 26.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.380 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Tgt Ion: 43 Resp: 1176

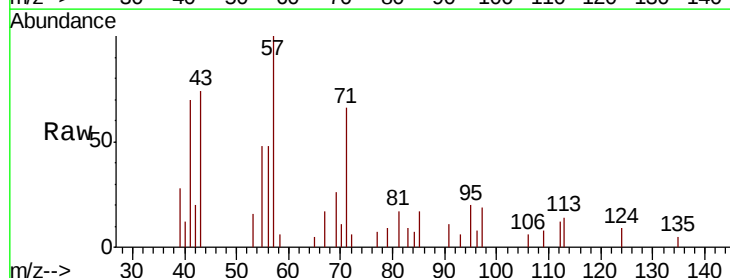
Ion Ratio Lower Upper

43 100

70 16.2 36.5 54.7#

55 0.0 20.1 30.1#

61 0.0 19.3 28.9#

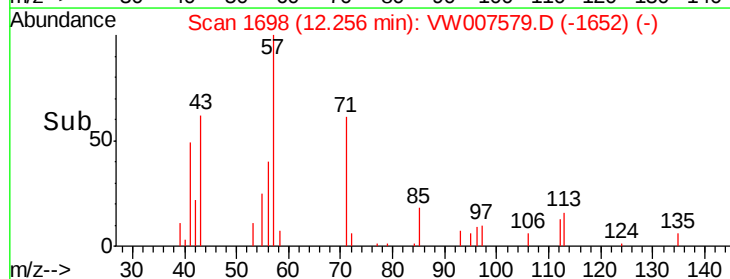
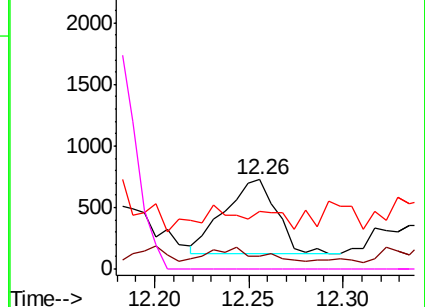


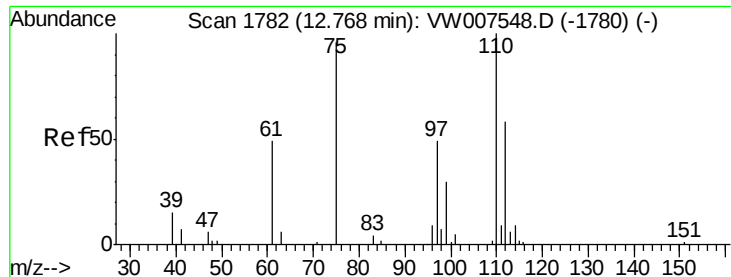
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 5.969 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.04 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

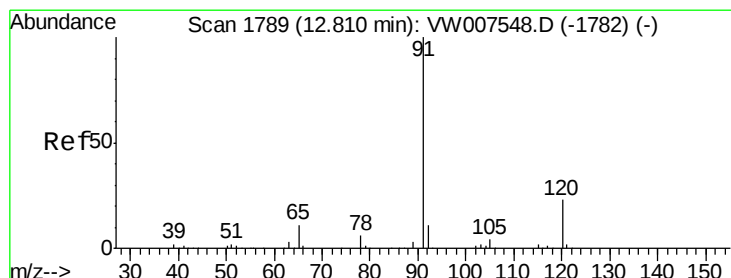
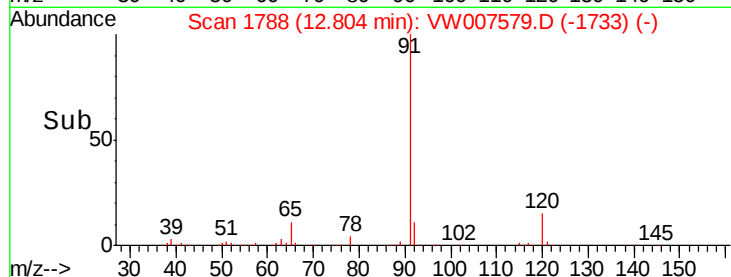
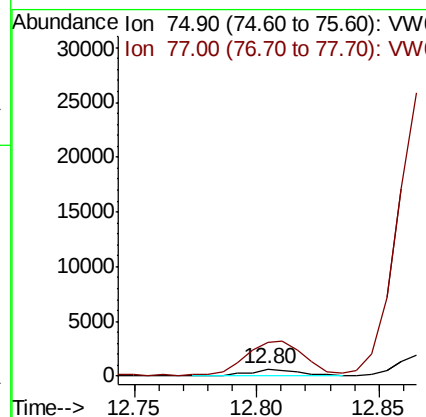
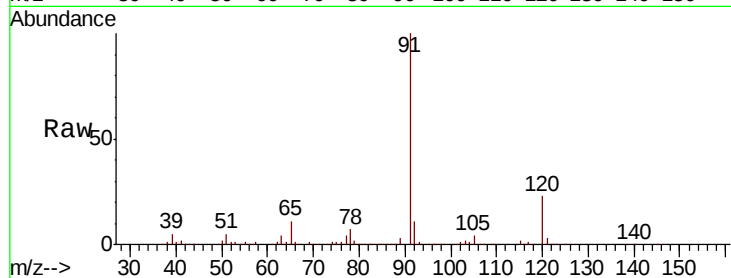
P001-SS001-0002-01MSD

Tgt Ion: 75 Resp: 949

Ion Ratio Lower Upper

75 100

77 534.1 166.9 500.8#



#78

n-propylbenzene

Concen: 75.501 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007579.D

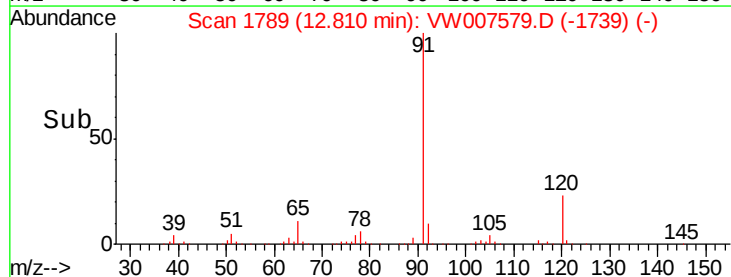
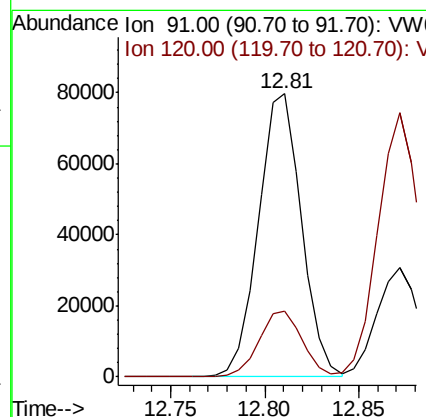
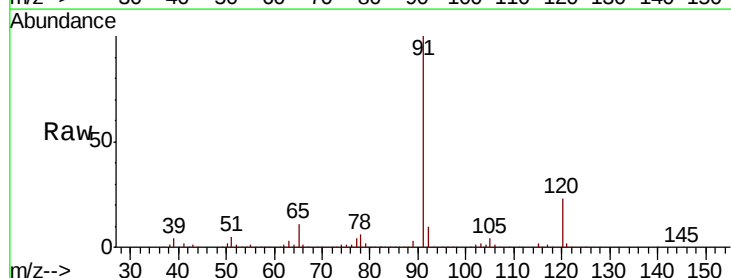
Acq: 15 Dec 2018 14:00

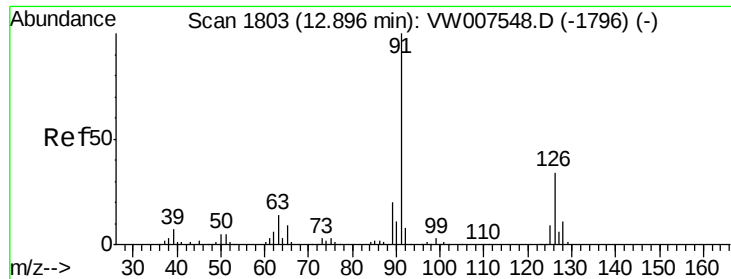
Tgt Ion: 91 Resp: 125533

Ion Ratio Lower Upper

91 100

120 23.4 11.9 35.5





#79

2-Chlorotoluene

Concen: 46.321 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. -0.02 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

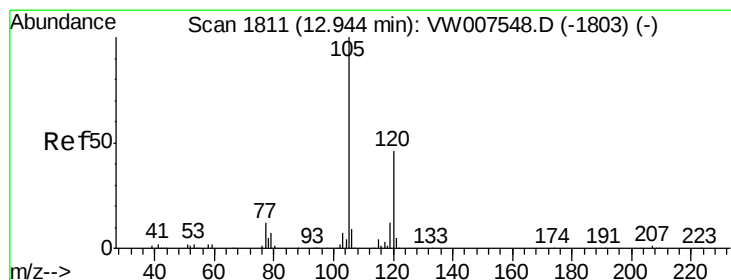
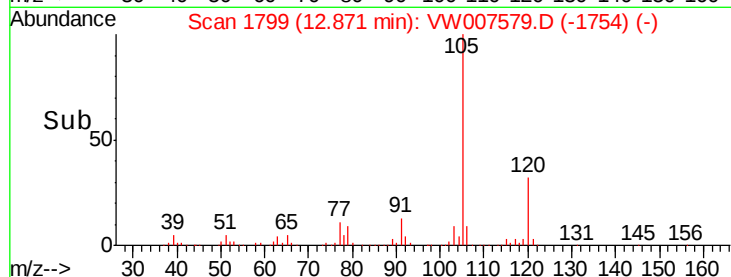
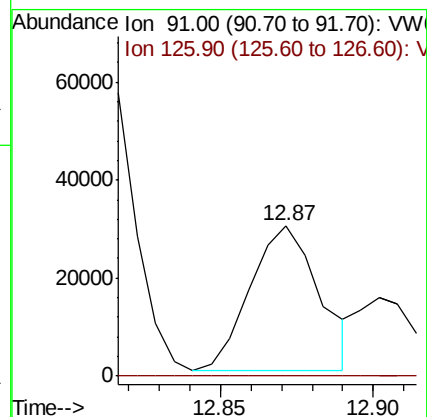
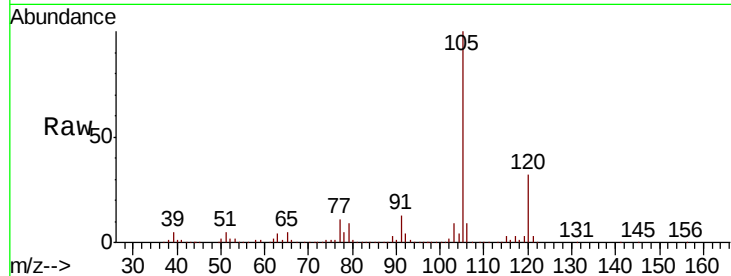
P001-SS001-0002-01MSD

Tgt Ion: 91 Resp: 46601

Ion Ratio Lower Upper

91 100

126 0.0 15.9 47.6#



#80

1,3,5-Trimethylbenzene

Concen: 154.314 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW007579.D

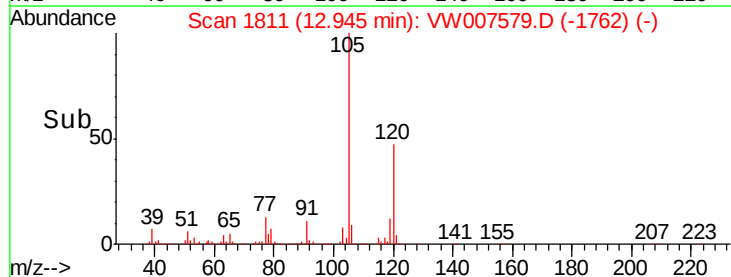
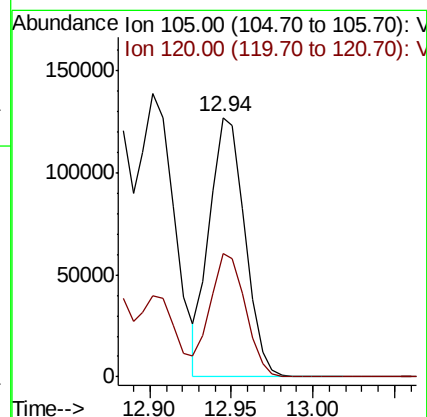
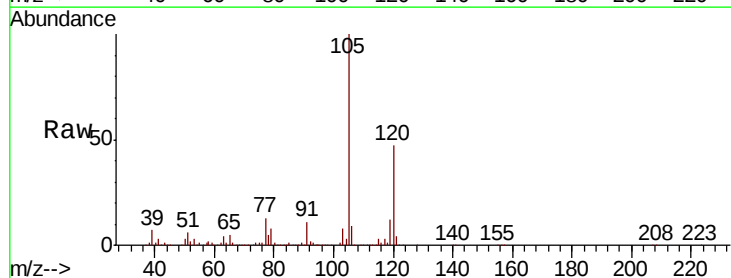
Acq: 15 Dec 2018 14:00

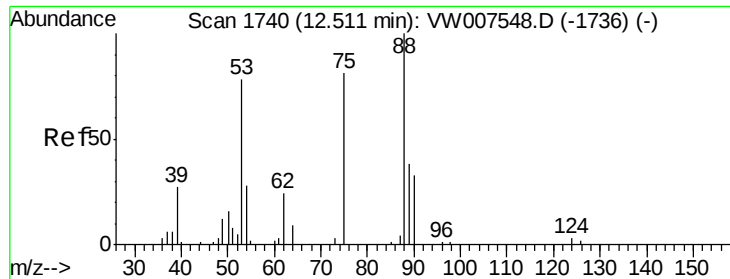
Tgt Ion: 105 Resp: 191560

Ion Ratio Lower Upper

105 100

120 47.5 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 9.657 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MSD

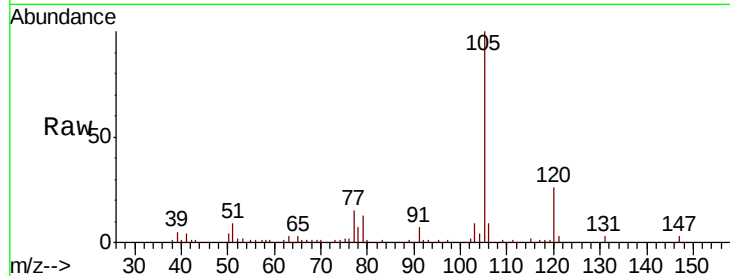
Tgt Ion: 75 Resp: 695

Ion Ratio Lower Upper

75 100

53 102.2 84.9 127.3

89 85.3 40.3 60.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

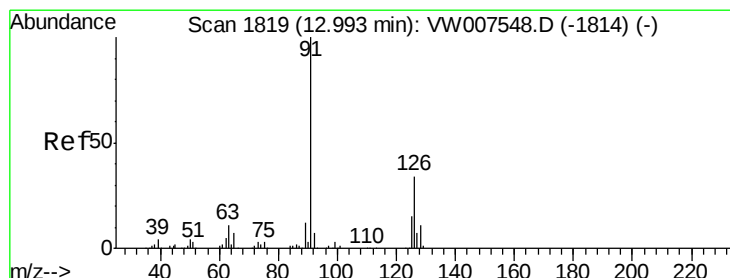
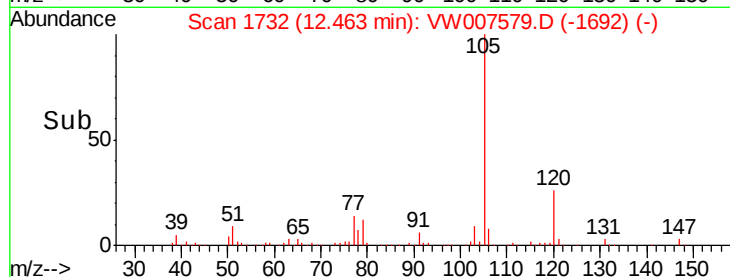
Ion 88.90 (88.60 to 89.60): VW

12.46

12.45

12.50

Time-->



#82

4-Chlorotoluene

Concen: 19.833 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.05 min

Lab File: VW007579.D

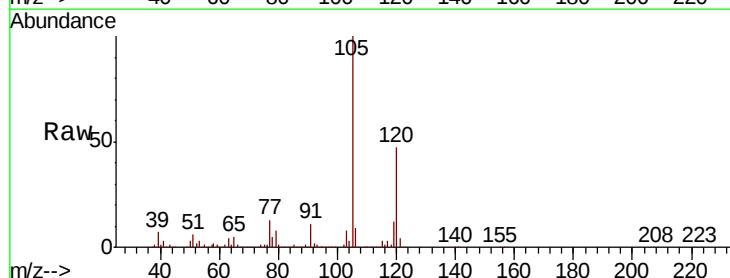
Acq: 15 Dec 2018 14:00

Tgt Ion: 91 Resp: 21032

Ion Ratio Lower Upper

91 100

126 0.0 16.0 48.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

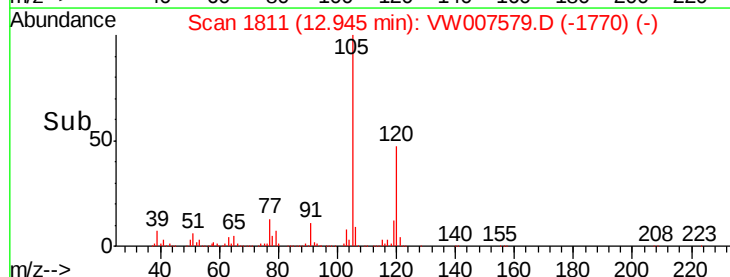
12.94

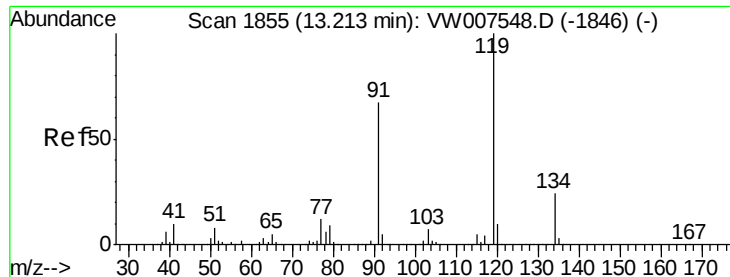
12.90

12.95

13.00

Time-->

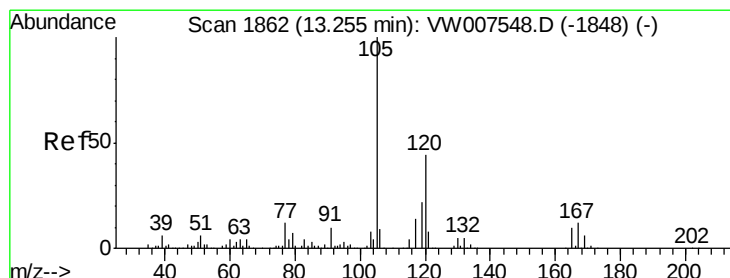
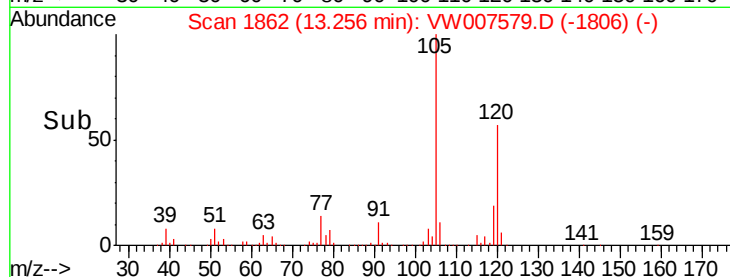
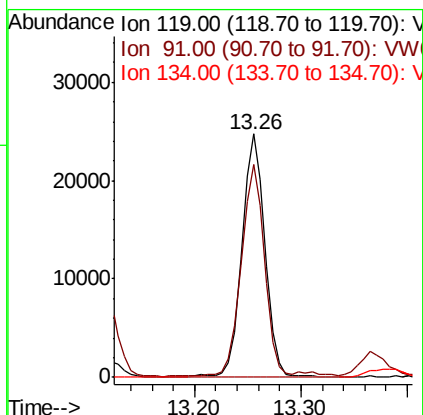
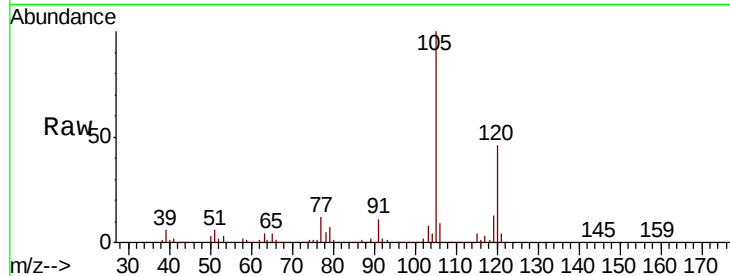




#83
 tert-Butylbenzene
 Concen: 34.424 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.04 min
 Lab File: VW007579.D
 Acq: 15 Dec 2018 14:00

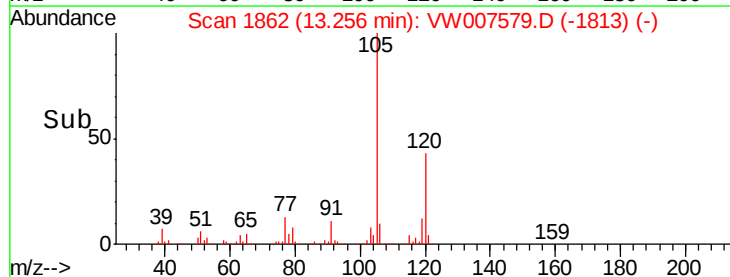
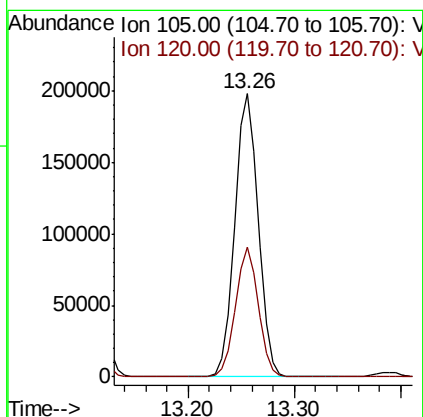
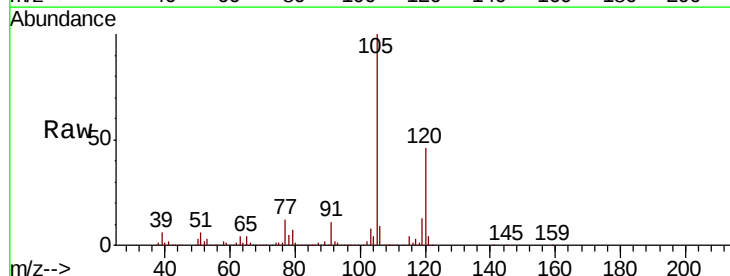
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MSD

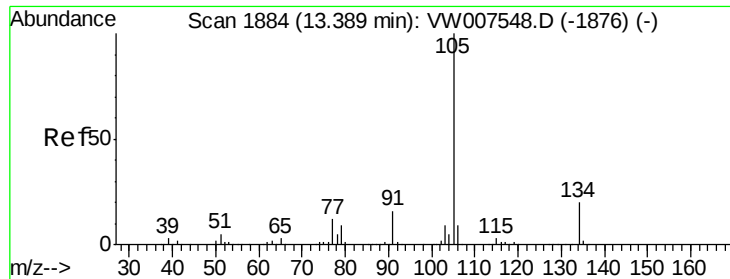
Tgt Ion:119 Resp: 37654
 Ion Ratio Lower Upper
 119 100
 91 87.4 33.1 99.2
 134 0.0 12.5 37.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 239.303 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007579.D
 Acq: 15 Dec 2018 14:00

Tgt Ion:105 Resp: 305693
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.6 67.7

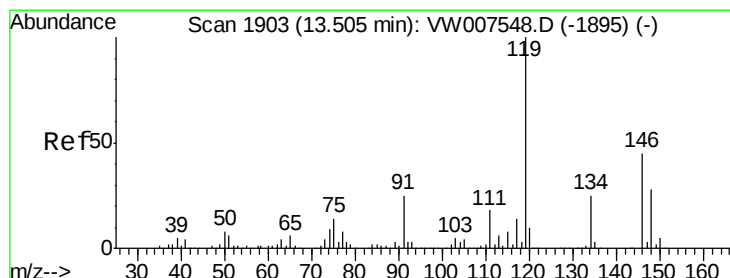
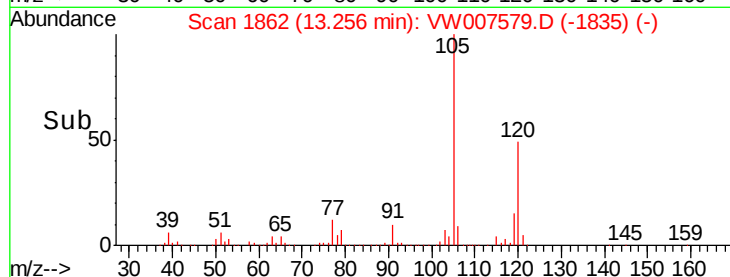
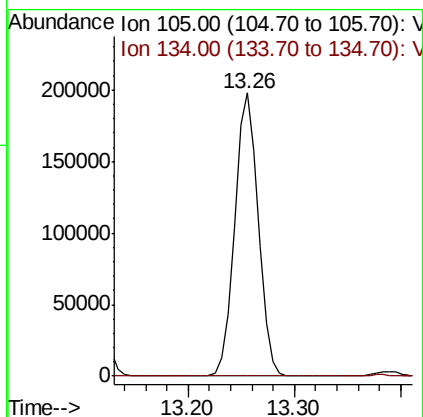
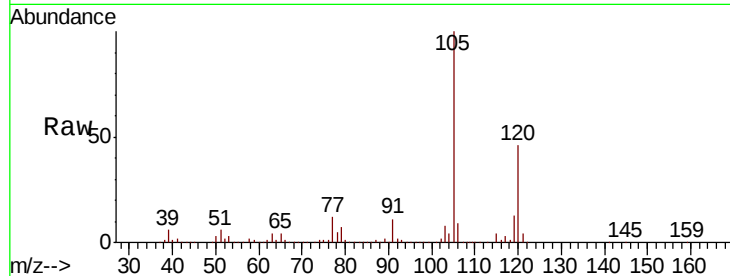




#85
 sec-Butylbenzene
 Concen: 204.724 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: VW007579.D
 Acq: 15 Dec 2018 14:00

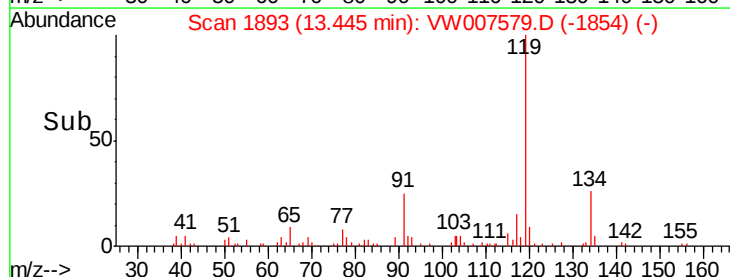
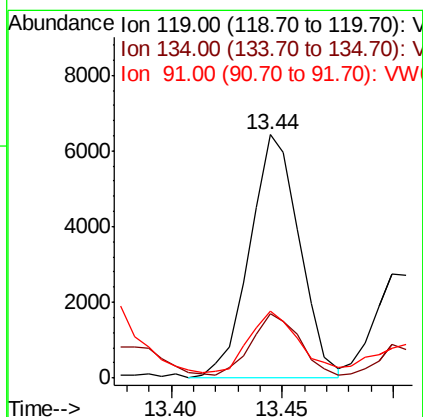
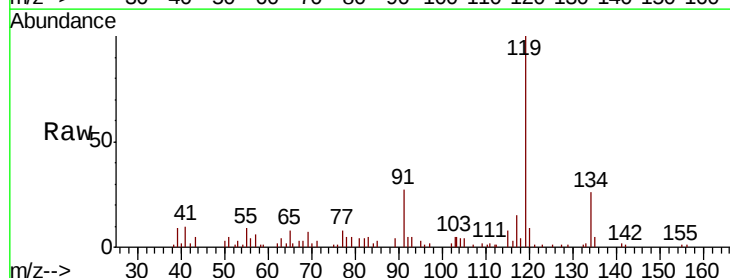
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MSD

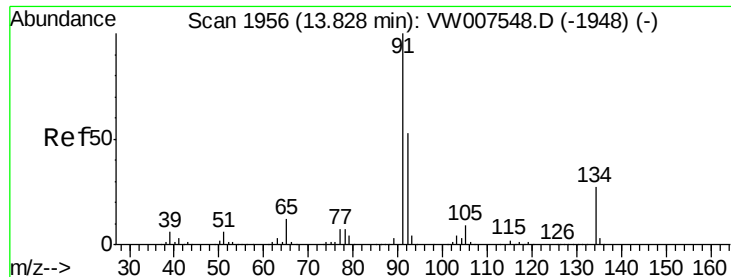
Tgt Ion:105 Resp: 305693
 Ion Ratio Lower Upper
 105 100
 134 0.0 11.1 33.3#



#86
 p-Isopropyltoluene
 Concen: 7.470 ug/l
 RT: 13.44 min Scan# 1893
 Delta R.T. -0.06 min
 Lab File: VW007579.D
 Acq: 15 Dec 2018 14:00

Tgt Ion:119 Resp: 10021
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.9 38.7
 91 24.5 11.9 35.9





#89

n-Butylbenzene

Concen: 16.714 ug/l

RT: 13.76 min Scan# 1945

Delta R.T. -0.07 min

Lab File: VW007579.D

Acq: 15 Dec 2018 14:00

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MSD

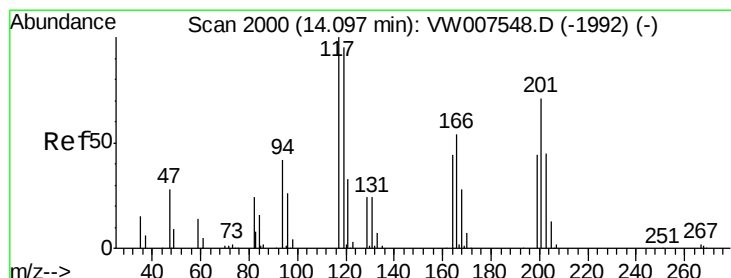
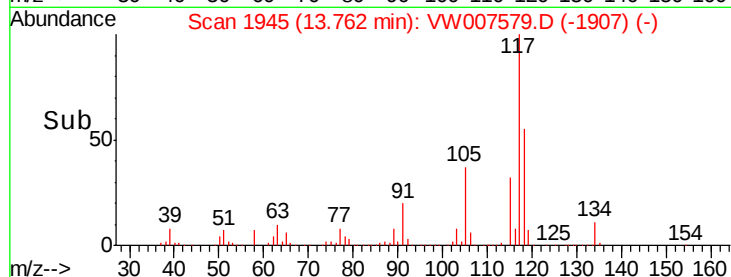
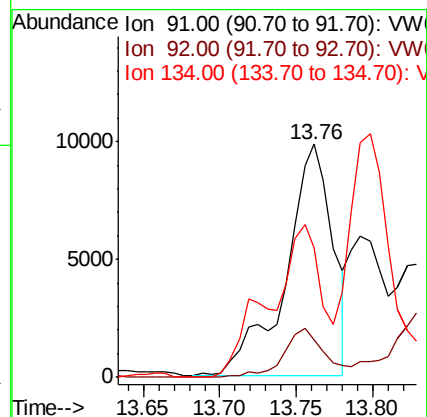
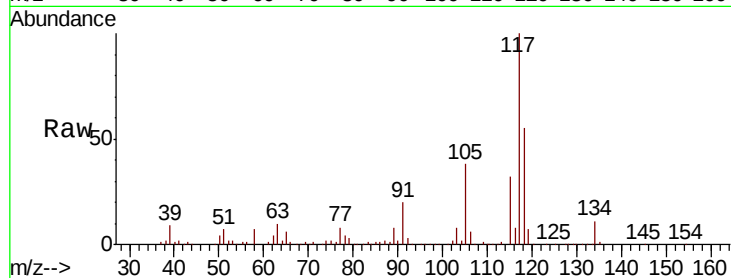
Tgt Ion: 91 Resp: 20785

Ion Ratio Lower Upper

91 100

92 18.7 25.7 77.1#

134 47.0 13.4 40.2#



#90

Hexachloroethane

Concen: 16.826 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007579.D

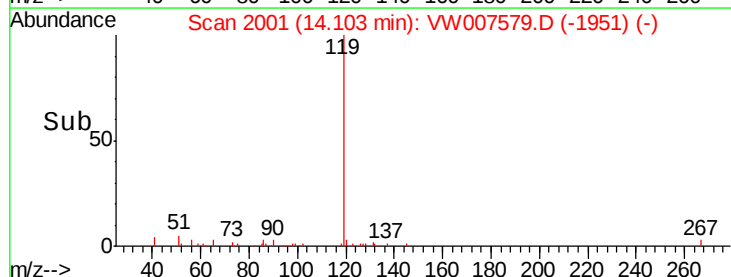
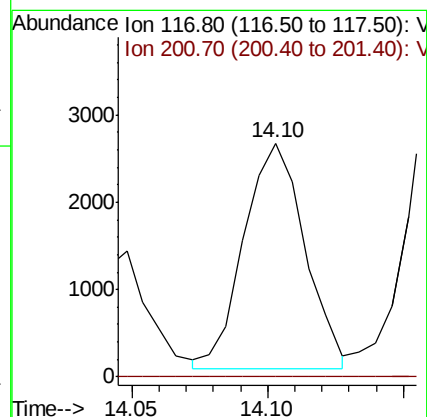
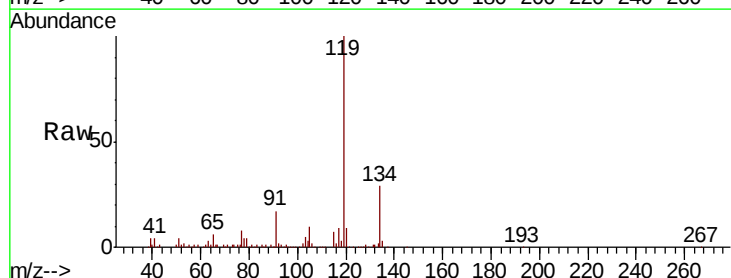
Acq: 15 Dec 2018 14:00

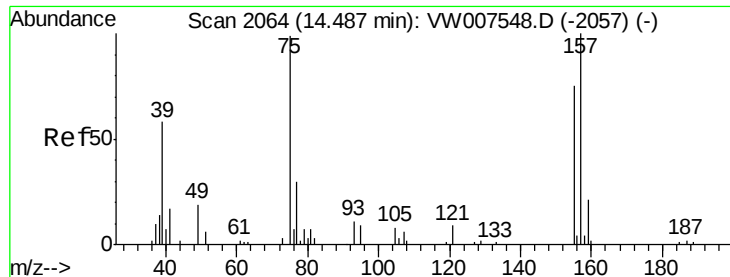
Tgt Ion: 117 Resp: 4016

Ion Ratio Lower Upper

117 100

201 0.0 35.3 105.9#

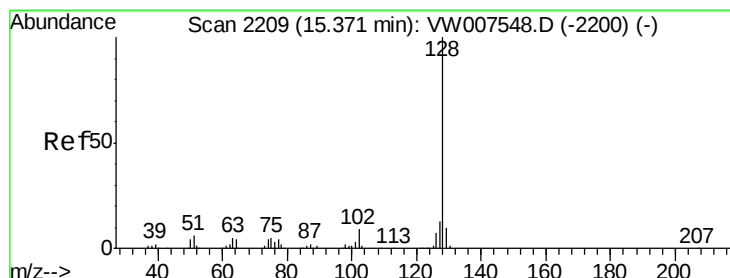
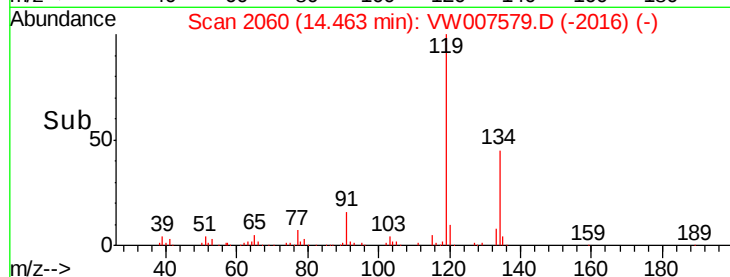
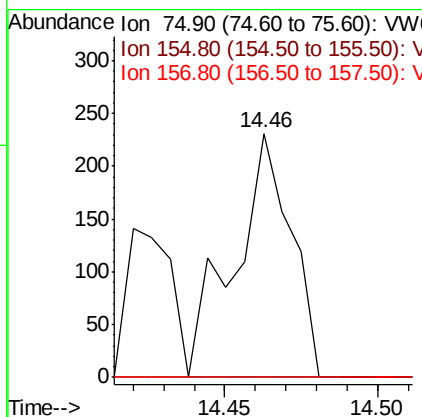
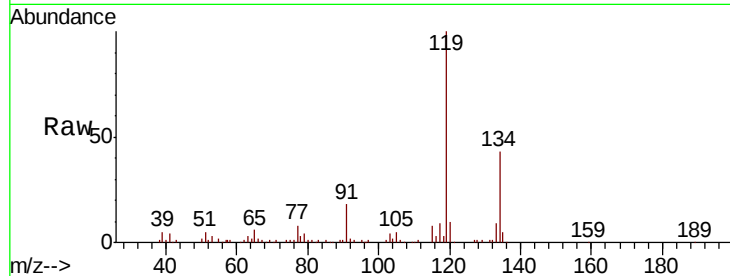




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.786 ug/l
 RT: 14.46 min Scan# 2060
 Delta R.T. -0.03 min
 Lab File: VW007579.D
 Acq: 15 Dec 2018 14:00

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MSD

Tgt Ion: 75 Resp: 298
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.8 122.2#
 157 0.0 51.1 153.4#



#95
 Naphthalene
 Concen: 32.811 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW007579.D
 Acq: 15 Dec 2018 14:00

Tgt Ion: 128 Resp: 25261
 Ion Ratio Lower Upper
 128 100
 127 14.8 10.2 15.4
 129 10.5 8.3 12.5

