

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012574.D
 Acq On : 04 Sep 2019 04:23
 Operator : SY/VA
 Sample : K4525-08
 Misc : 3.75G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-A3-(1.9)

Quant Time: Sep 04 06:53:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120008	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	161954	55.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.12%	
35) Dibromofluoromethane	7.88	113	123109	51.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.56%	
50) Toluene-d8	10.32	98	482496	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.62	95	145691	42.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.92%	

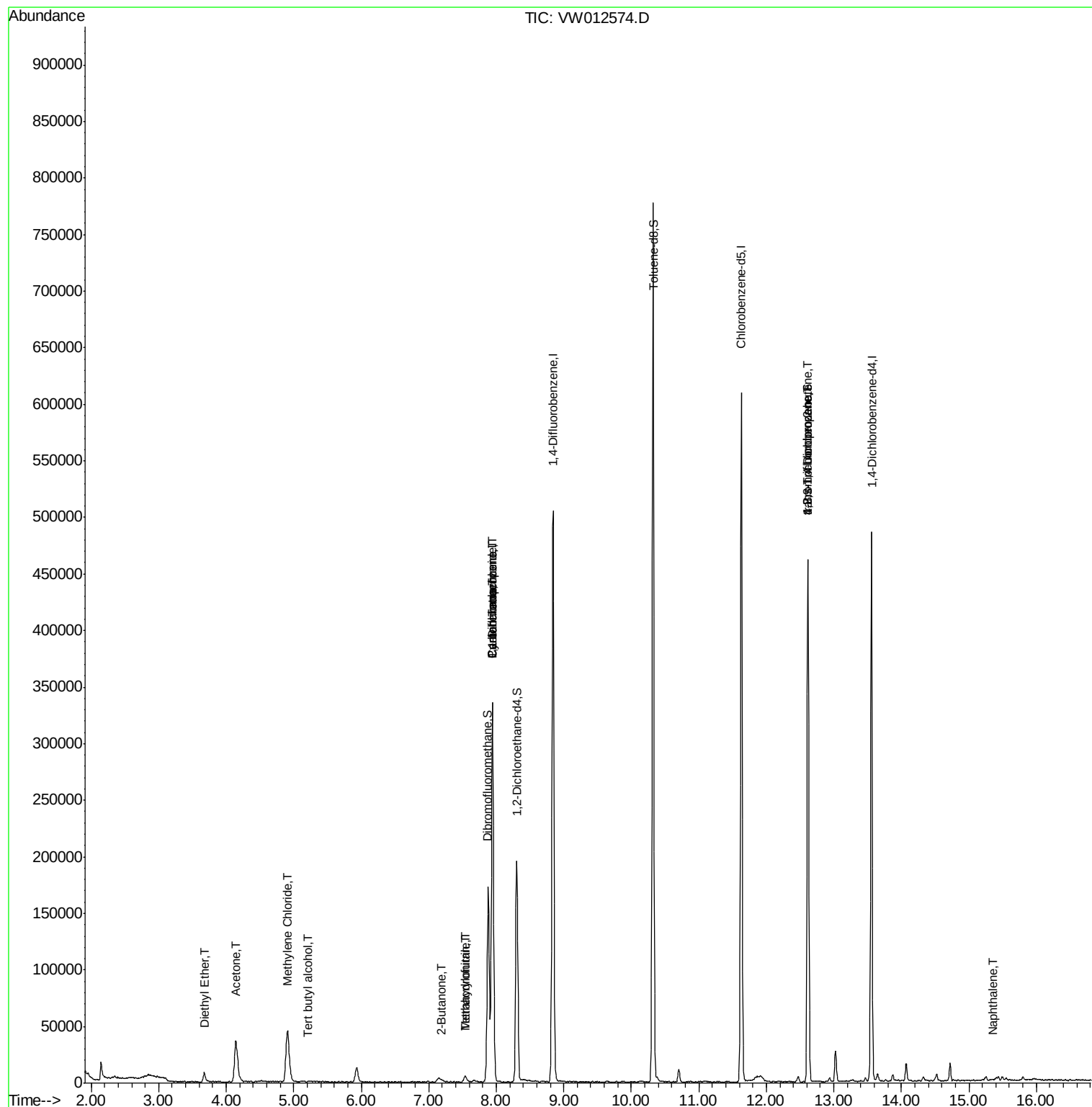
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3925	2.876	ug/l	92
11) Tert butyl alcohol	5.21	59	500	2.850	ug/l #	81
16) Acetone	4.14	43	81763	109.736	ug/l	100
20) Methylene Chloride	4.92	84	34856	12.375	ug/l	99
25) 2-Butanone	7.19	43	1557	1.538	ug/l	92
29) Tetrahydrofuran	7.54	42	5490	9.038	ug/l	98
31) Cyclohexane	7.95	56	6385	1.216	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20770	4.998	ug/l #	53
38) Carbon Tetrachloride	7.94	117	25428	7.069	ug/l #	17
41) Methacrylonitrile	7.54	41	3279	2.450	ug/l #	59
76) 1,2,3-Trichloropropane	12.62	75	78645	67.287	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78645	147.530	ug/l #	6
95) Naphthalene	15.36	128	293	4.380	ug/l #	69

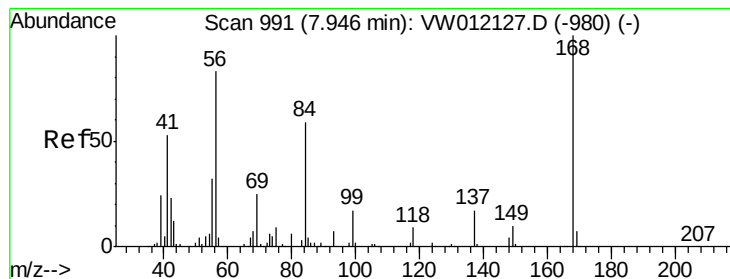
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012574.D

Acq: 04 Sep 2019 04:23

Instrument :

MSVOA_W

ClientSampleId :

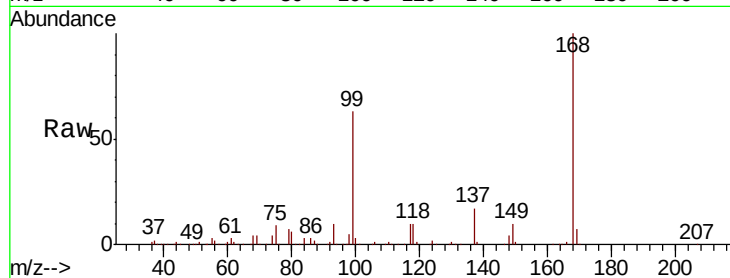
T9-12-13-A3-(1.9)

Tgt Ion:168 Resp: 245200

Ion Ratio Lower Upper

168 100

99 62.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

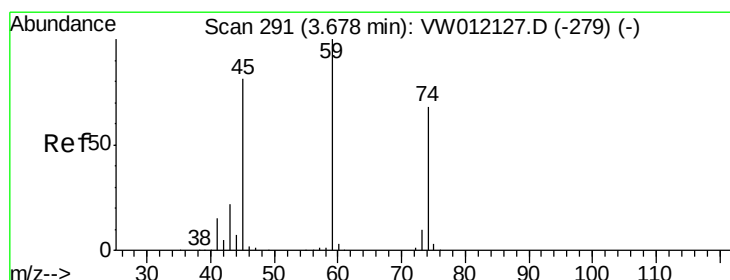
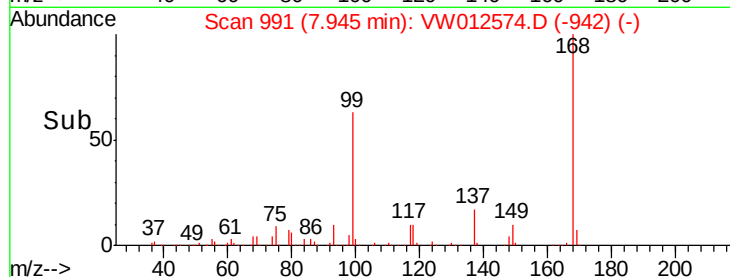
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.876 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012574.D

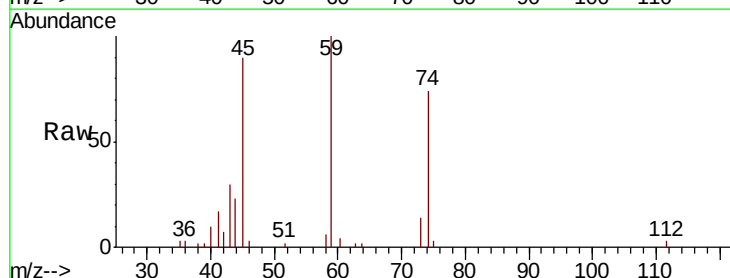
Acq: 04 Sep 2019 04:23

Tgt Ion: 74 Resp: 3925

Ion Ratio Lower Upper

74 100

45 127.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

2500

2000

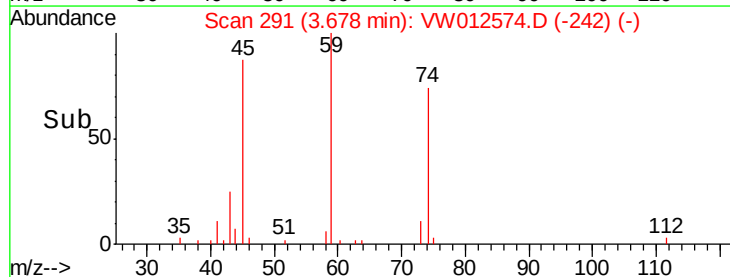
1500

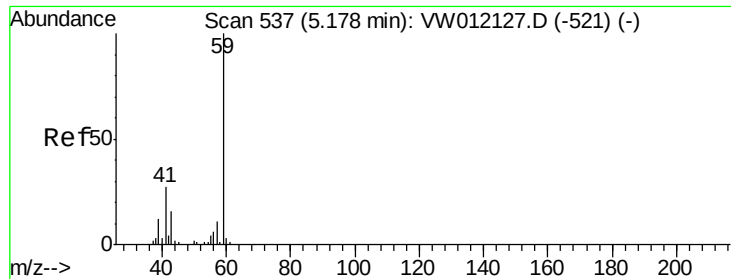
1000

500

0

Time-->

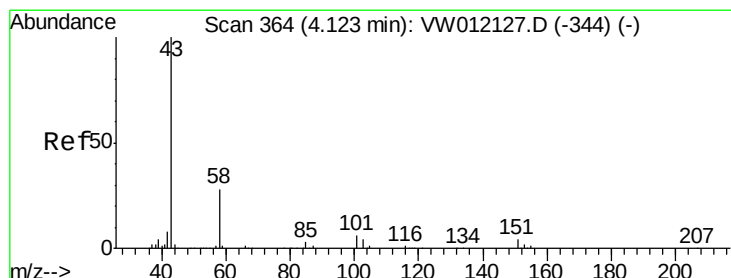
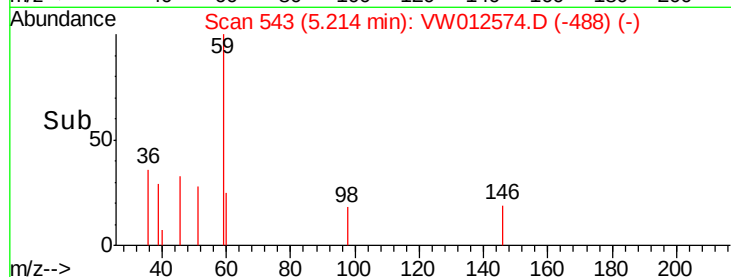
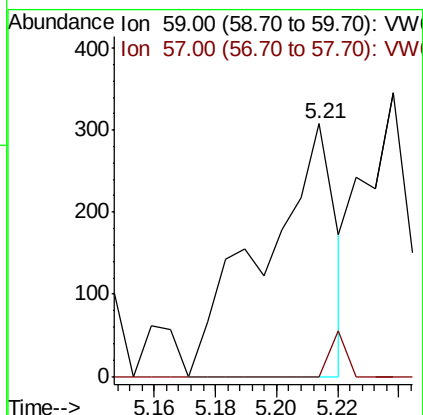
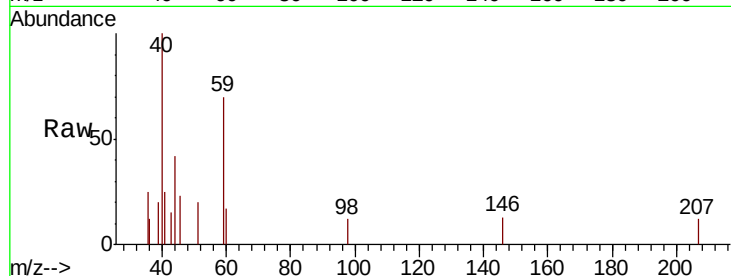




#11
Tert butyl alcohol
Concen: 2.850 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.04 min
Lab File: VW012574.D
Acq: 04 Sep 2019 04:23

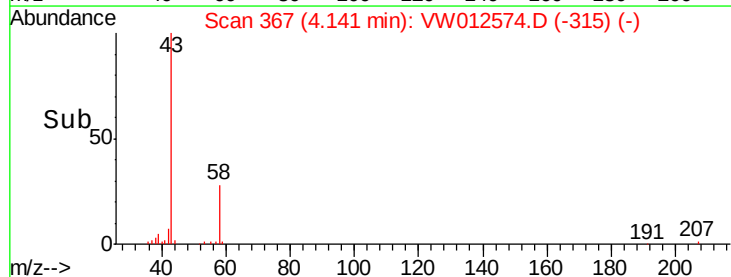
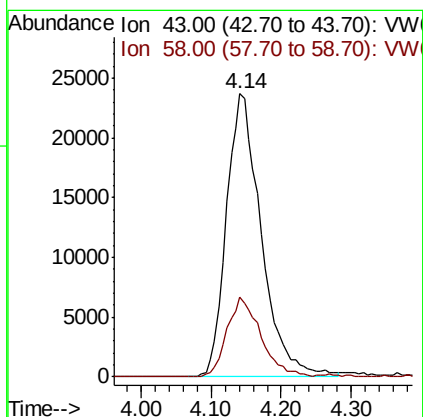
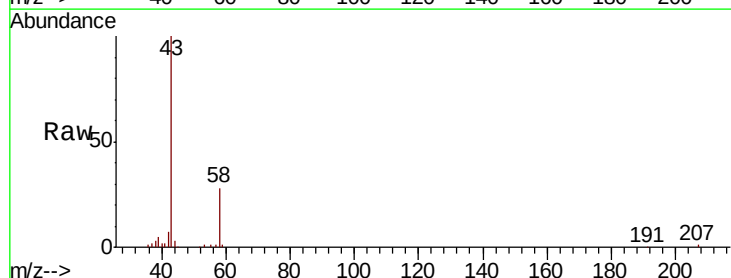
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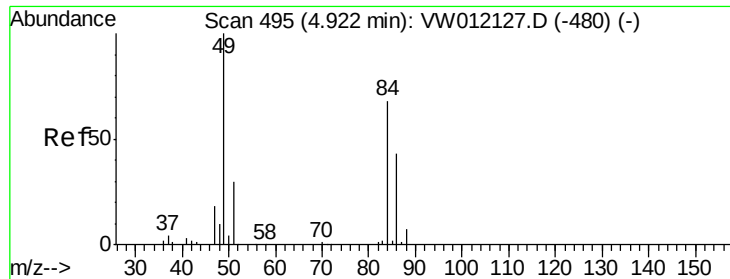
Tgt Ion: 59 Resp: 500
Ion Ratio Lower Upper
59 100
57 4.0 9.0 13.4#



#16
Acetone
Concen: 109.736 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012574.D
Acq: 04 Sep 2019 04:23

Tgt Ion: 43 Resp: 81763
Ion Ratio Lower Upper
43 100
58 28.2 22.4 33.6

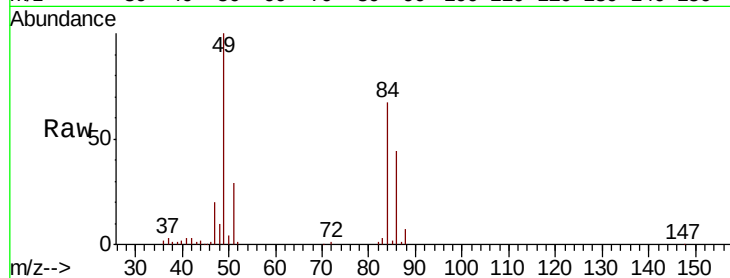




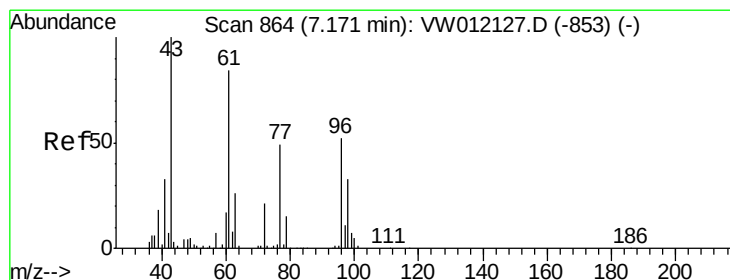
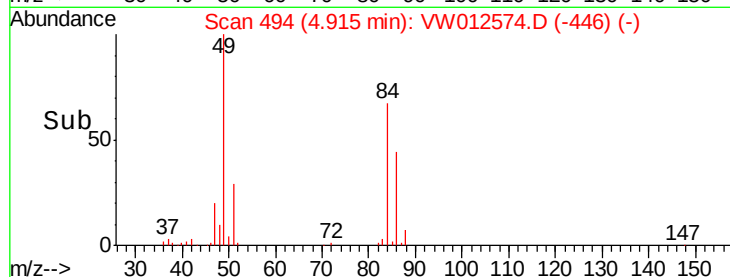
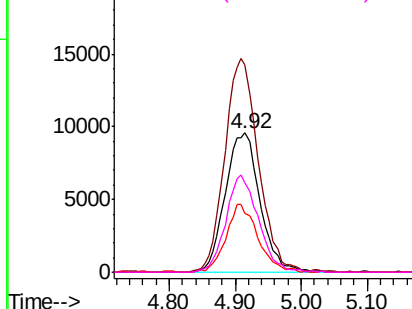
#20
Methylene Chloride
Concen: 12.375 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012574.D
Acq: 04 Sep 2019 04:23

Instrument :
MSVOA_W
ClientSampled :
T9-12-13-A3-(1.9)

Tgt Ion:	84	Resp:	34856
Ion	Ratio	Lower	Upper
84	100		
49	148.8	117.8	176.8
51	42.7	35.6	53.4
86	64.7	51.2	76.8

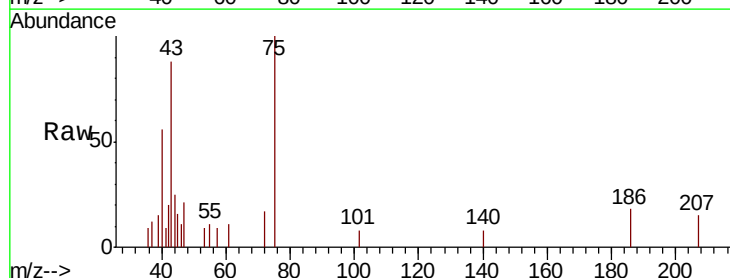


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

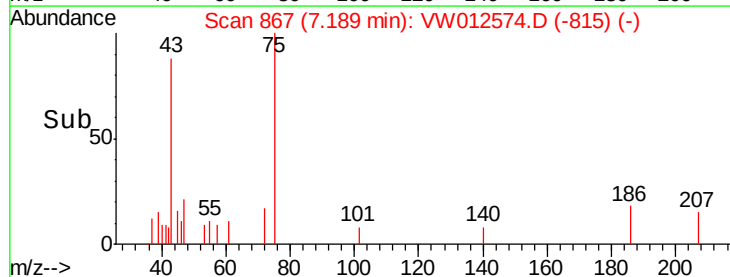
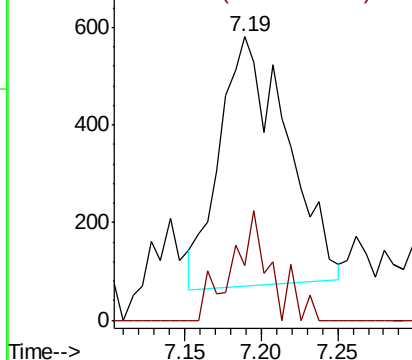


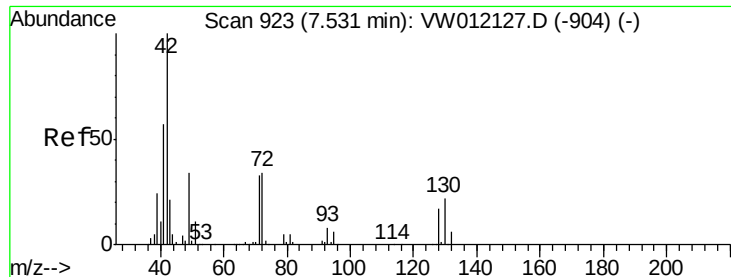
#25
2-Butanone
Concen: 1.538 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012574.D
Acq: 04 Sep 2019 04:23

Tgt Ion:	43	Resp:	1557
Ion	Ratio	Lower	Upper
43	100		
72	24.2	16.6	24.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 9.038 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012574.D

Acq: 04 Sep 2019 04:23

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A3-(1.9)

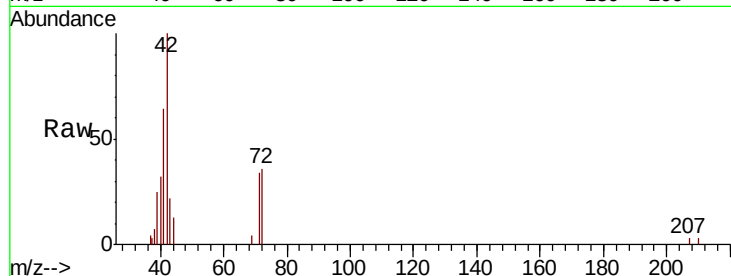
Tgt Ion: 42 Resp: 5490

Ion Ratio Lower Upper

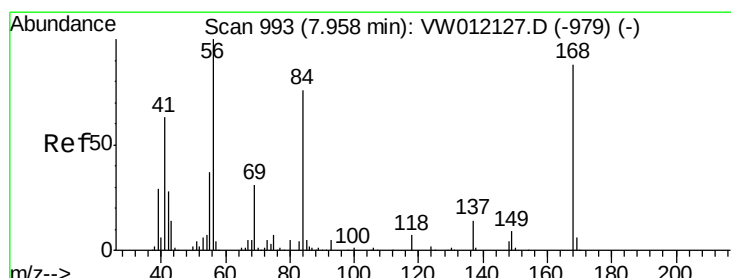
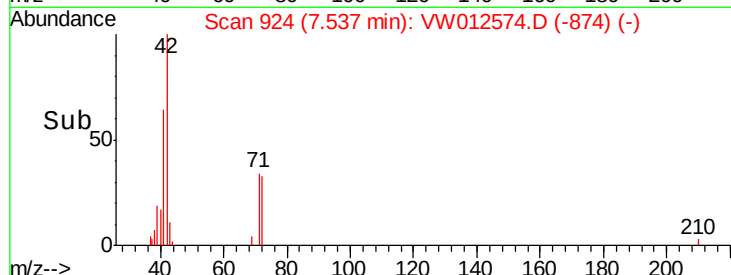
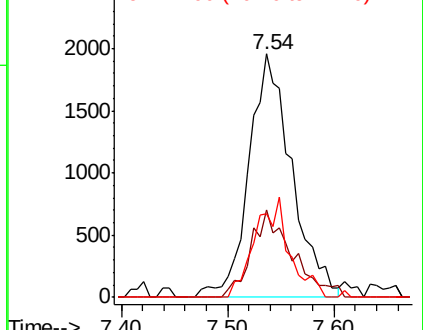
42 100

72 34.7 27.3 40.9

71 33.4 25.5 38.3



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.216 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012574.D

Acq: 04 Sep 2019 04:23

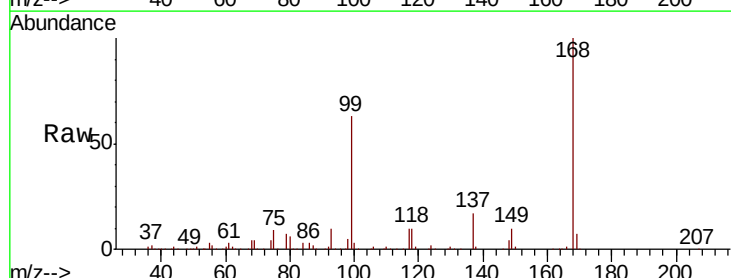
Tgt Ion: 56 Resp: 6385

Ion Ratio Lower Upper

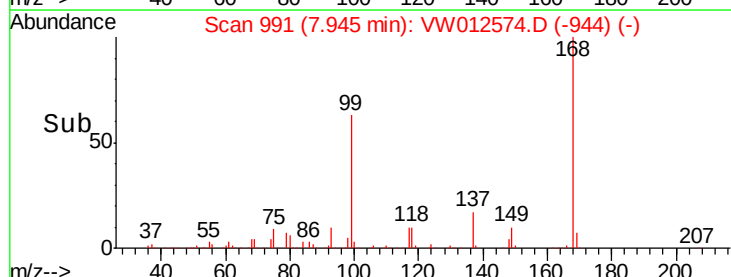
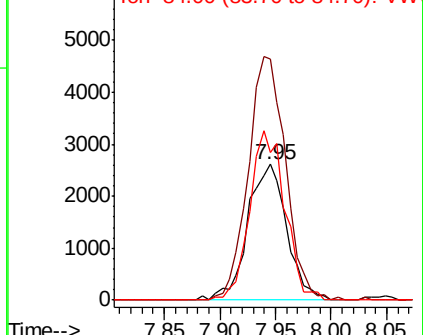
56 100

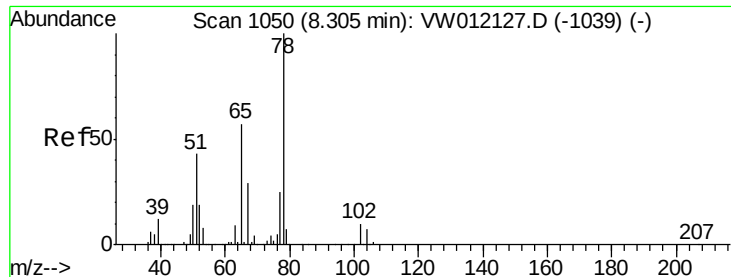
69 177.2 24.9 37.3#

84 108.2 60.6 90.8#



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

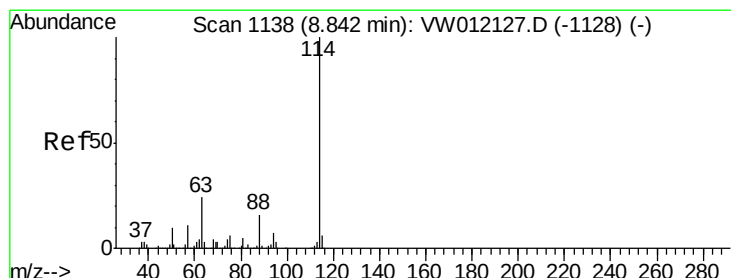
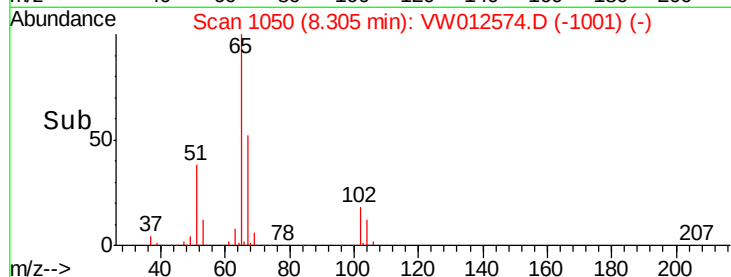
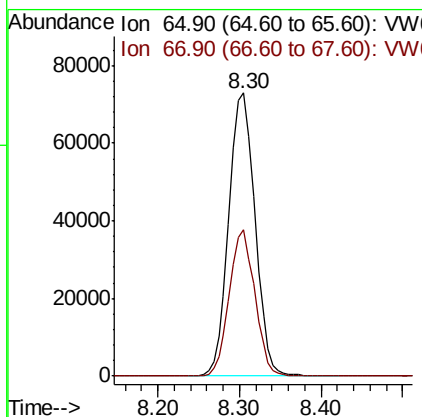
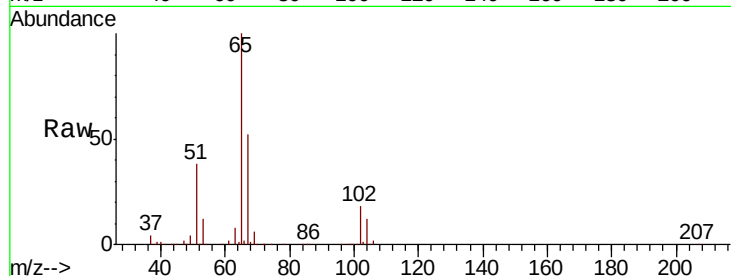




#33
 1,2-Dichloroethane-d4
 Concen: 55.562 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012574.D
 Acq: 04 Sep 2019 04:23

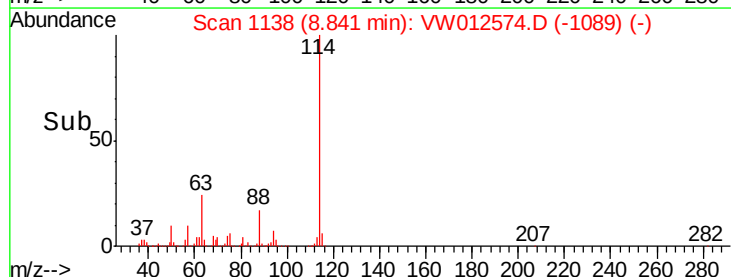
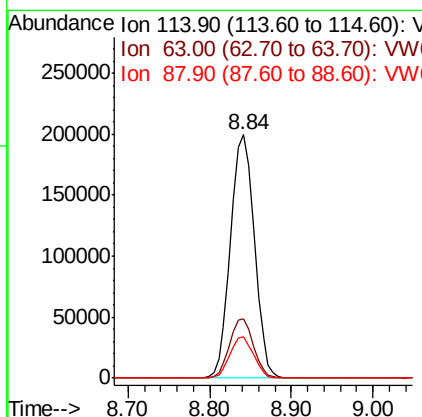
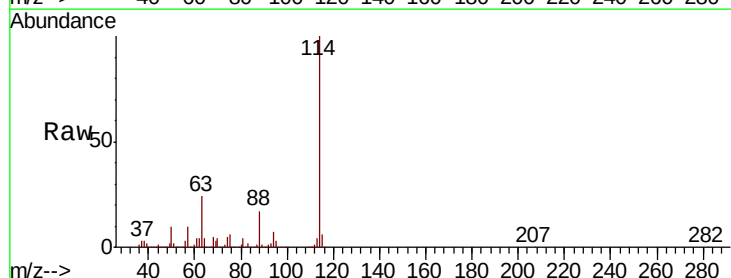
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-A3-(1.9)

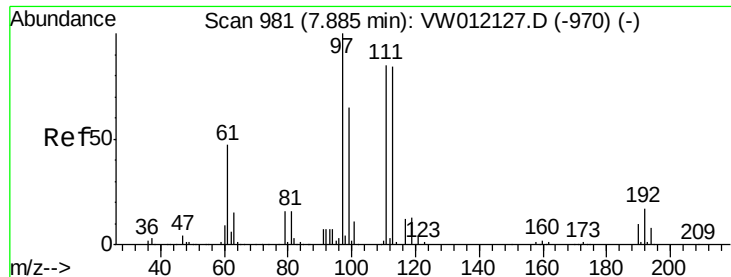
Tgt Ion: 65 Resp: 161954
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012574.D
 Acq: 04 Sep 2019 04:23

Tgt Ion: 114 Resp: 402176
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 16.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.283 ug/l

RT: 7.88 min Scan# 981

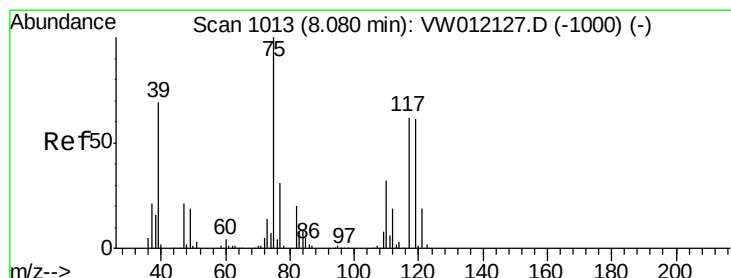
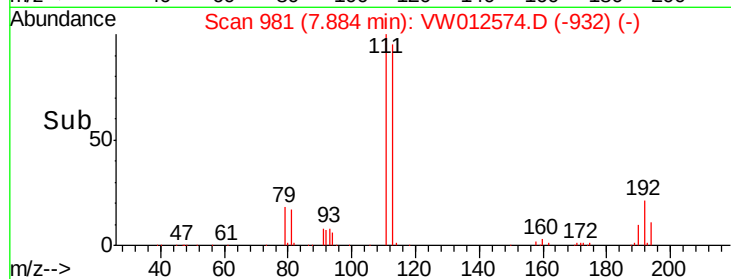
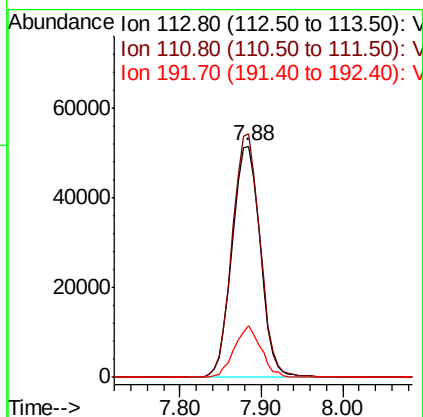
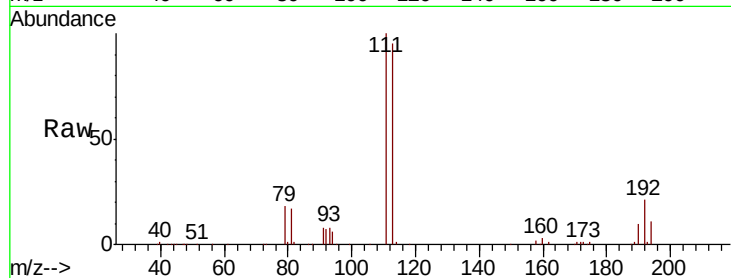
Delta R.T. -0.00 min

Lab File: VW012574.D

Acq: 04 Sep 2019 04:23

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A3-(1.9)

Tgt Ion:	113	Resp:	123109
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.7	124.1
192	21.1	16.2	24.2



#36

1,1-Dichloropropene

Concen: 4.998 ug/l

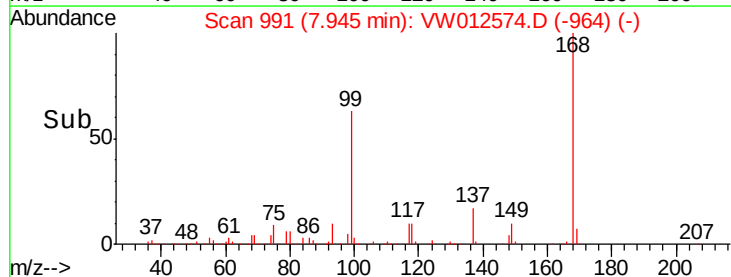
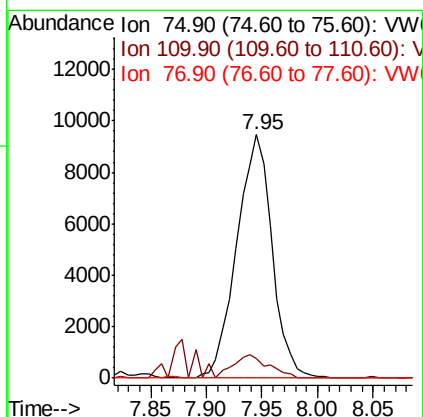
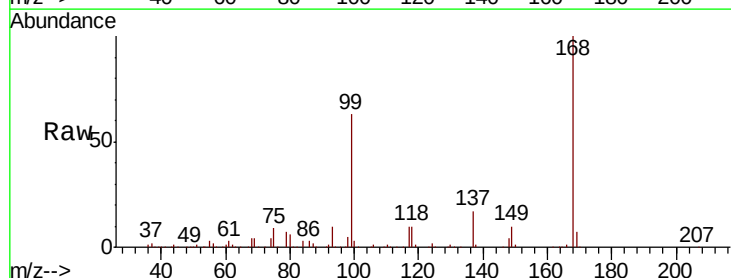
RT: 7.95 min Scan# 991

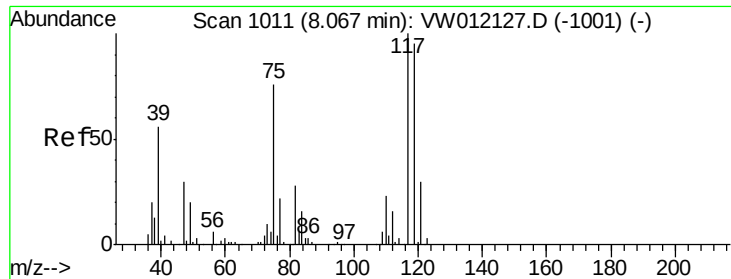
Delta R.T. -0.13 min

Lab File: VW012574.D

Acq: 04 Sep 2019 04:23

Tgt Ion:	75	Resp:	20770
Ion	Ratio	Lower	Upper
75	100		
110	9.7	15.6	46.8#
77	0.0	24.6	36.8#

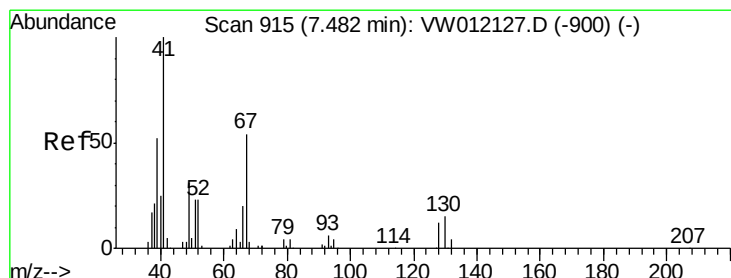
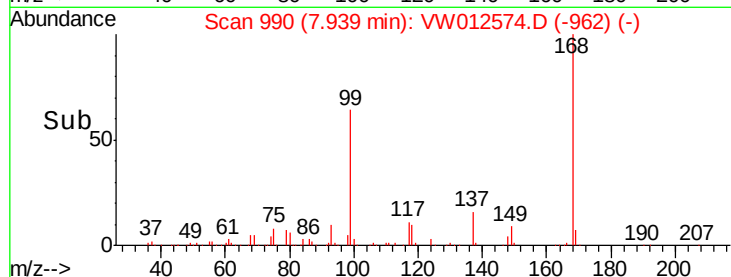
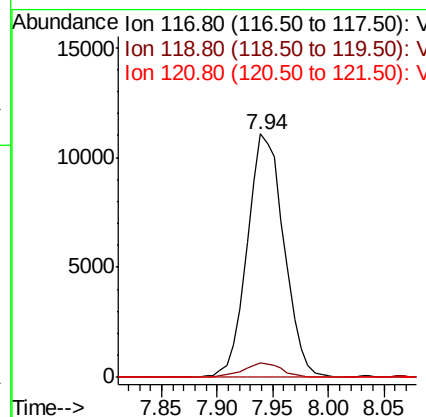
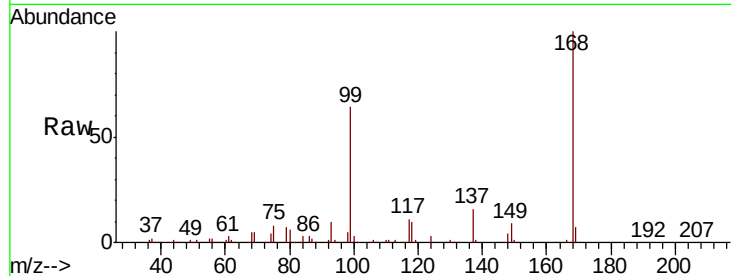




#38
Carbon Tetrachloride
Concen: 7.069 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW012574.D
Acq: 04 Sep 2019 04:23

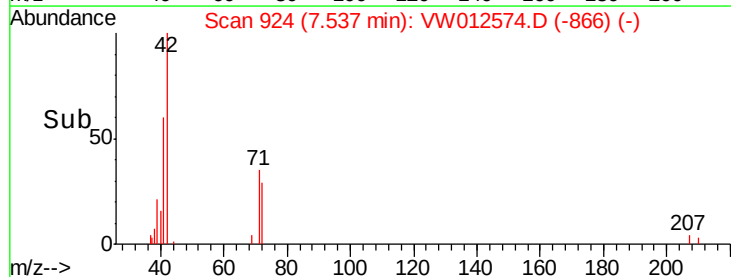
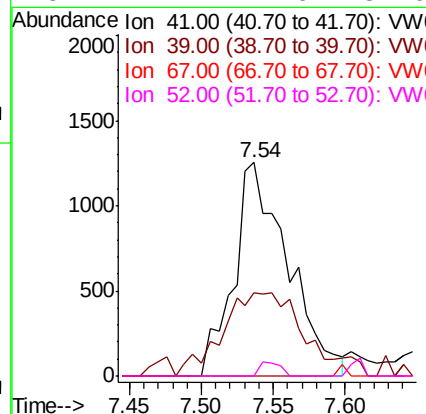
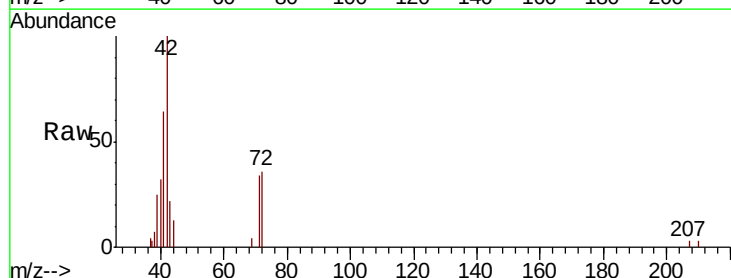
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A3-(1.9)

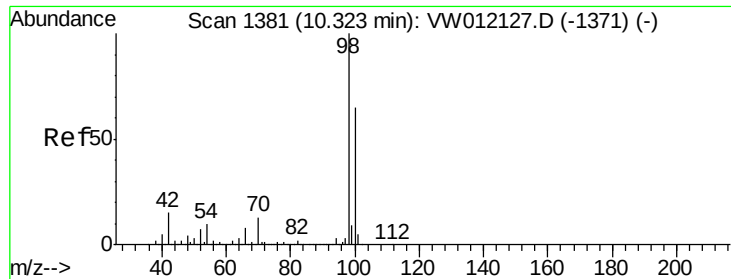
Tgt Ion: 117 Resp: 25428
Ion Ratio Lower Upper
117 100
119 6.0 76.2 114.2#
121 0.0 23.8 35.8#



#41
Methacrylonitrile
Concen: 2.450 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012574.D
Acq: 04 Sep 2019 04:23

Tgt Ion: 41 Resp: 3279
Ion Ratio Lower Upper
41 100
39 56.2 45.8 68.8
67 0.0 46.2 69.4#
52 2.4 21.0 31.6#

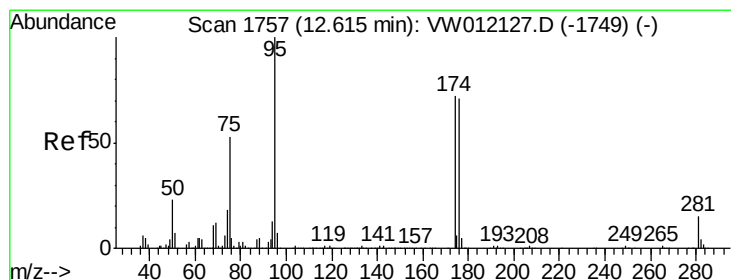
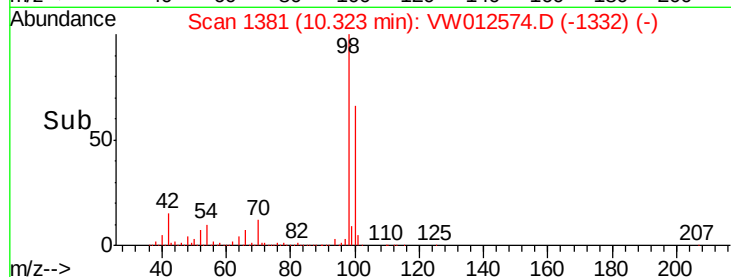
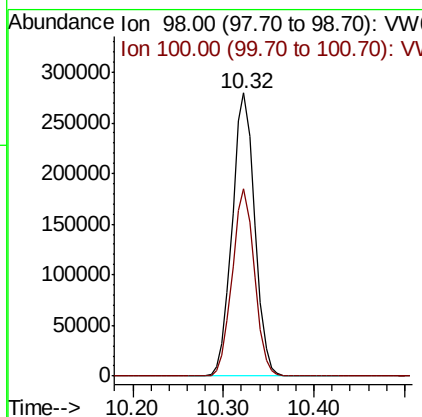
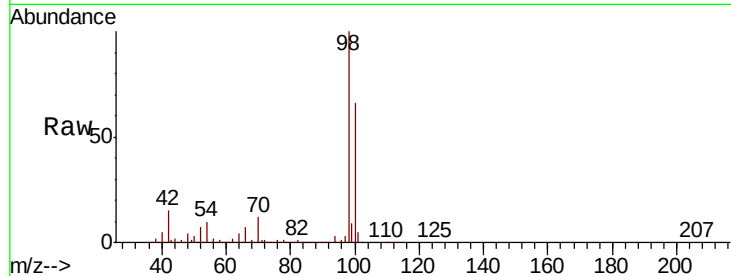




#50
Toluene-d8
Concen: 49.569 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012574.D
Acq: 04 Sep 2019 04:23

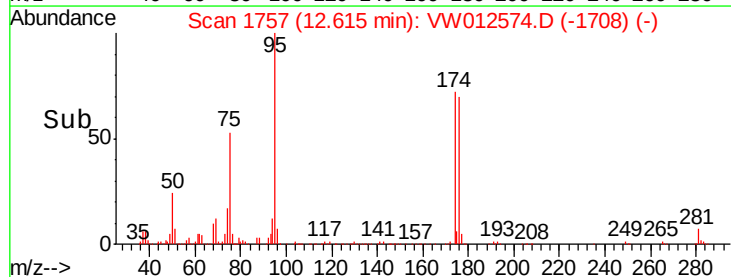
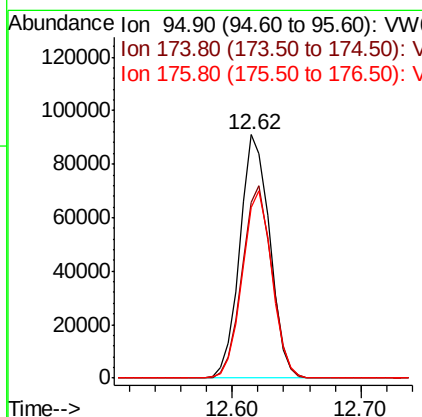
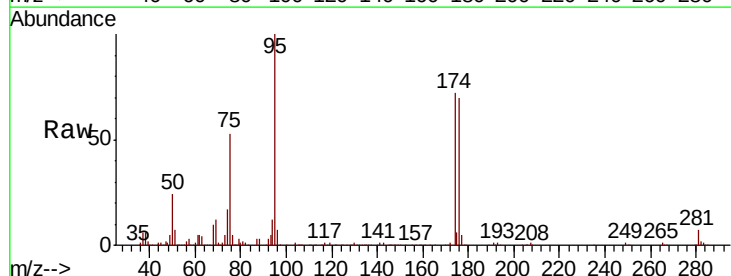
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A3-(1.9)

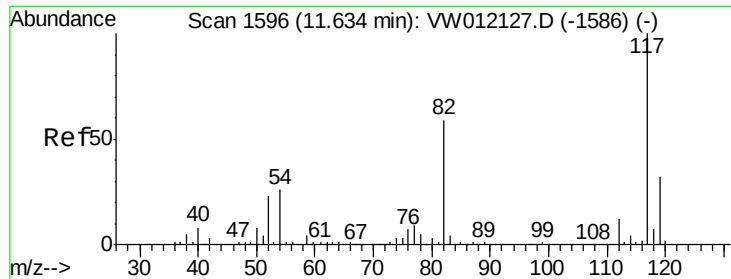
Tgt Ion: 98 Resp: 482496
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 42.461 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012574.D
Acq: 04 Sep 2019 04:23

Tgt Ion: 95 Resp: 145691
Ion Ratio Lower Upper
95 100
174 78.5 0.0 150.8
176 76.4 0.0 148.6

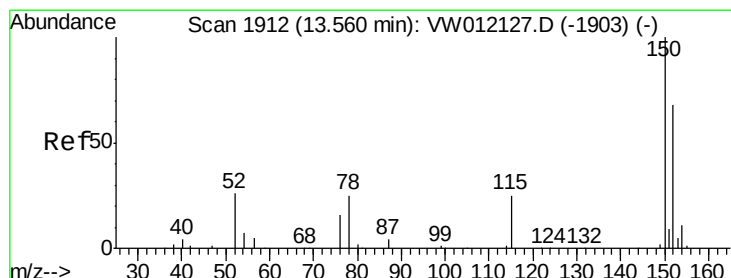
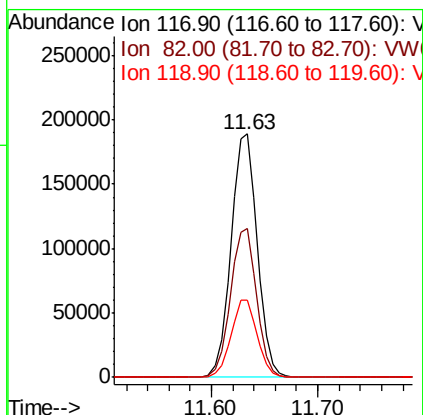
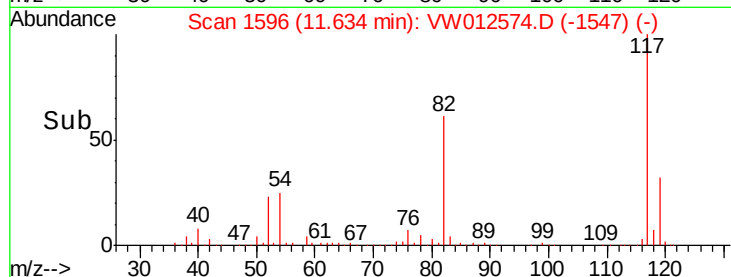
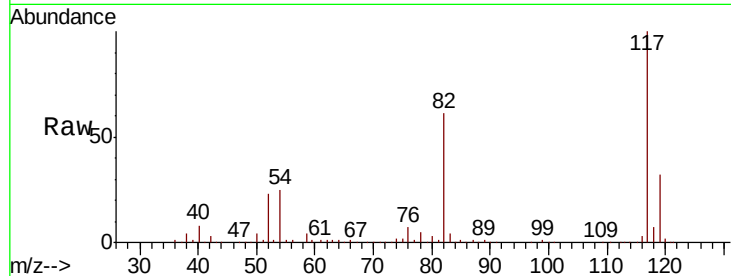




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012574.D
Acq: 04 Sep 2019 04:23

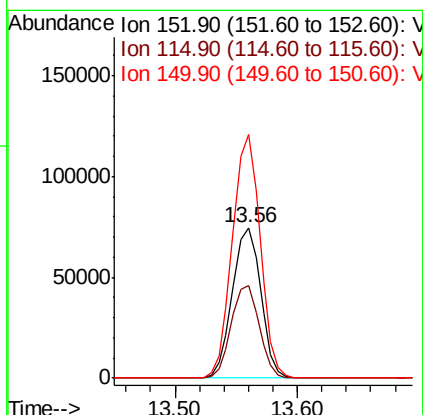
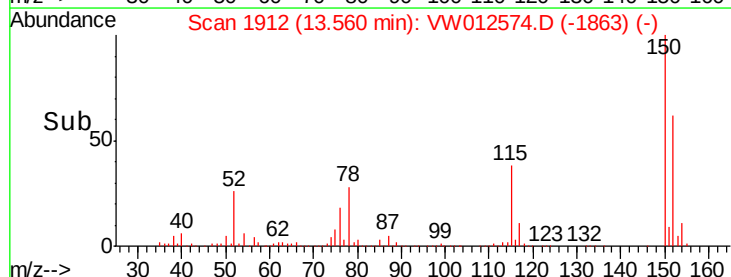
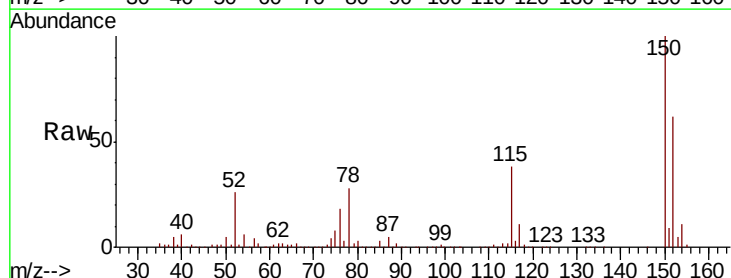
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A3-(1.9)

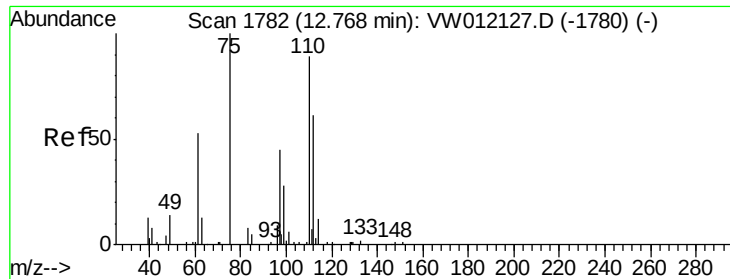
Tgt Ion:117 Resp: 326538
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012574.D
Acq: 04 Sep 2019 04:23

Tgt Ion:152 Resp: 120008
Ion Ratio Lower Upper
152 100
115 60.7 30.1 90.3
150 158.3 0.0 345.8

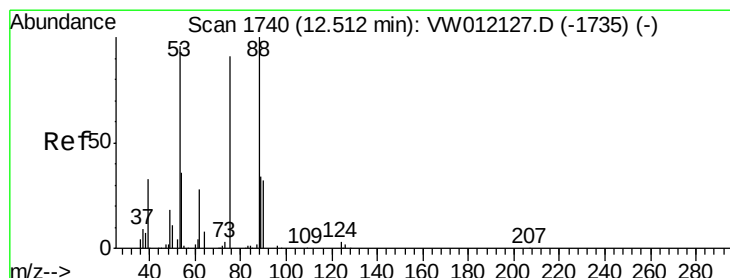
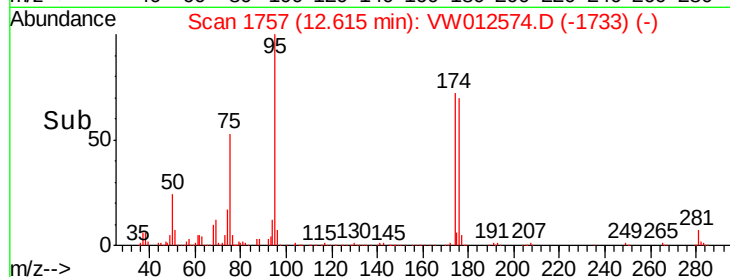
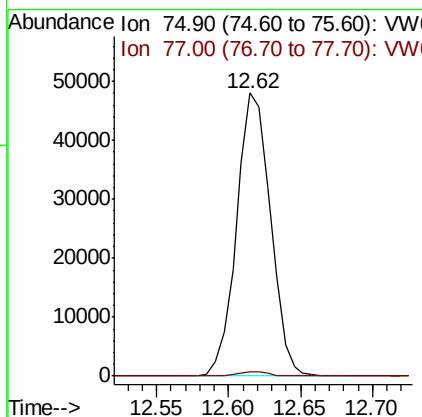
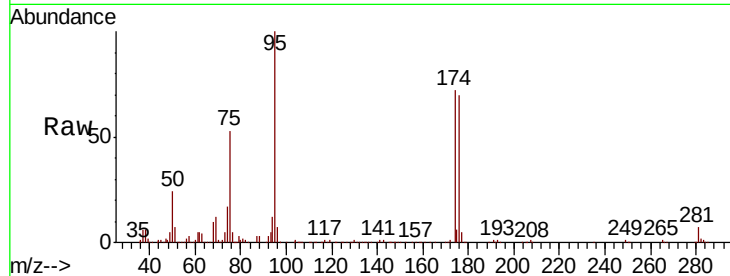




#76
 1,2,3-Trichloropropane
 Concen: 67.287 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012574.D
 Acq: 04 Sep 2019 04:23

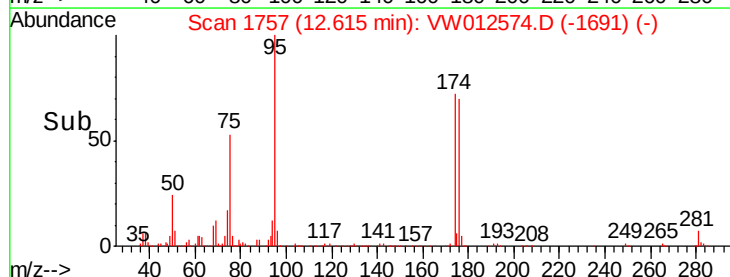
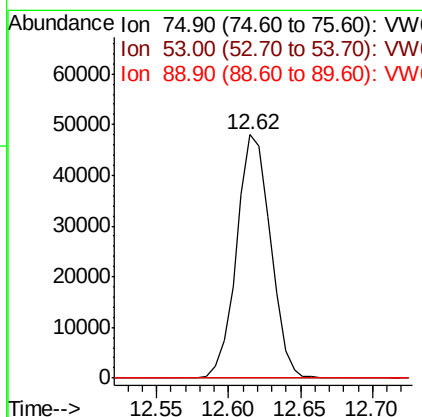
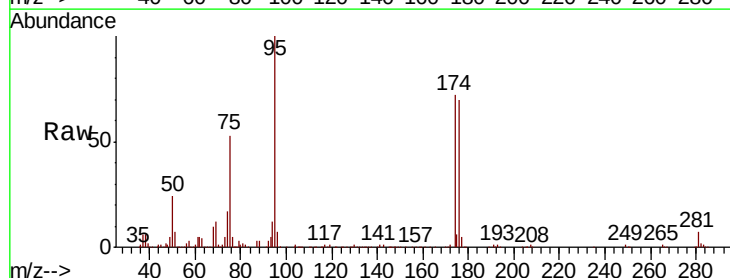
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-A3-(1.9)

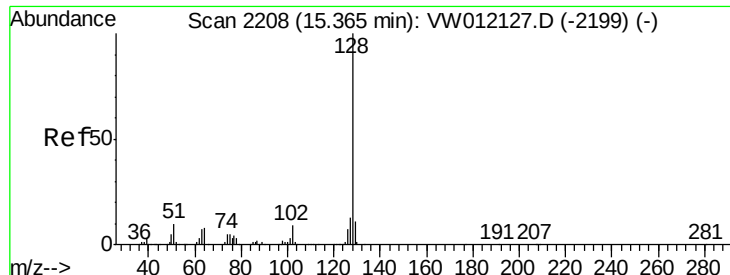
Tgt Ion: 75 Resp: 78645
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.530 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012574.D
 Acq: 04 Sep 2019 04:23

Tgt Ion: 75 Resp: 78645
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.0 34.5 51.7#

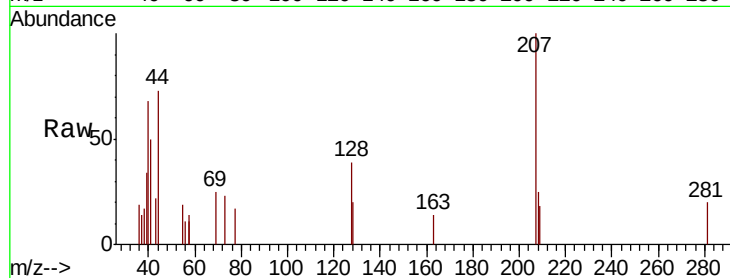




#95
Naphthalene
Concen: 4.380 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012574.D
Acq: 04 Sep 2019 04:23

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A3-(1.9)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

