

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012507.D
 Acq On : 02 Sep 2019 18:45
 Operator : SY/VA
 Sample : K4529-05RE
 Misc : 3.76G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-T2-(1.9)RE

Quant Time: Sep 03 07:41:22 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	202803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	332847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	239099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63450	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	126009	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
35) Dibromofluoromethane	7.88	113	98530	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	10.32	98	379154	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
62) 4-Bromofluorobenzene	12.62	95	98344	34.63	ug/l	0.00
Spiked Amount			Recovery	=	69.26%	

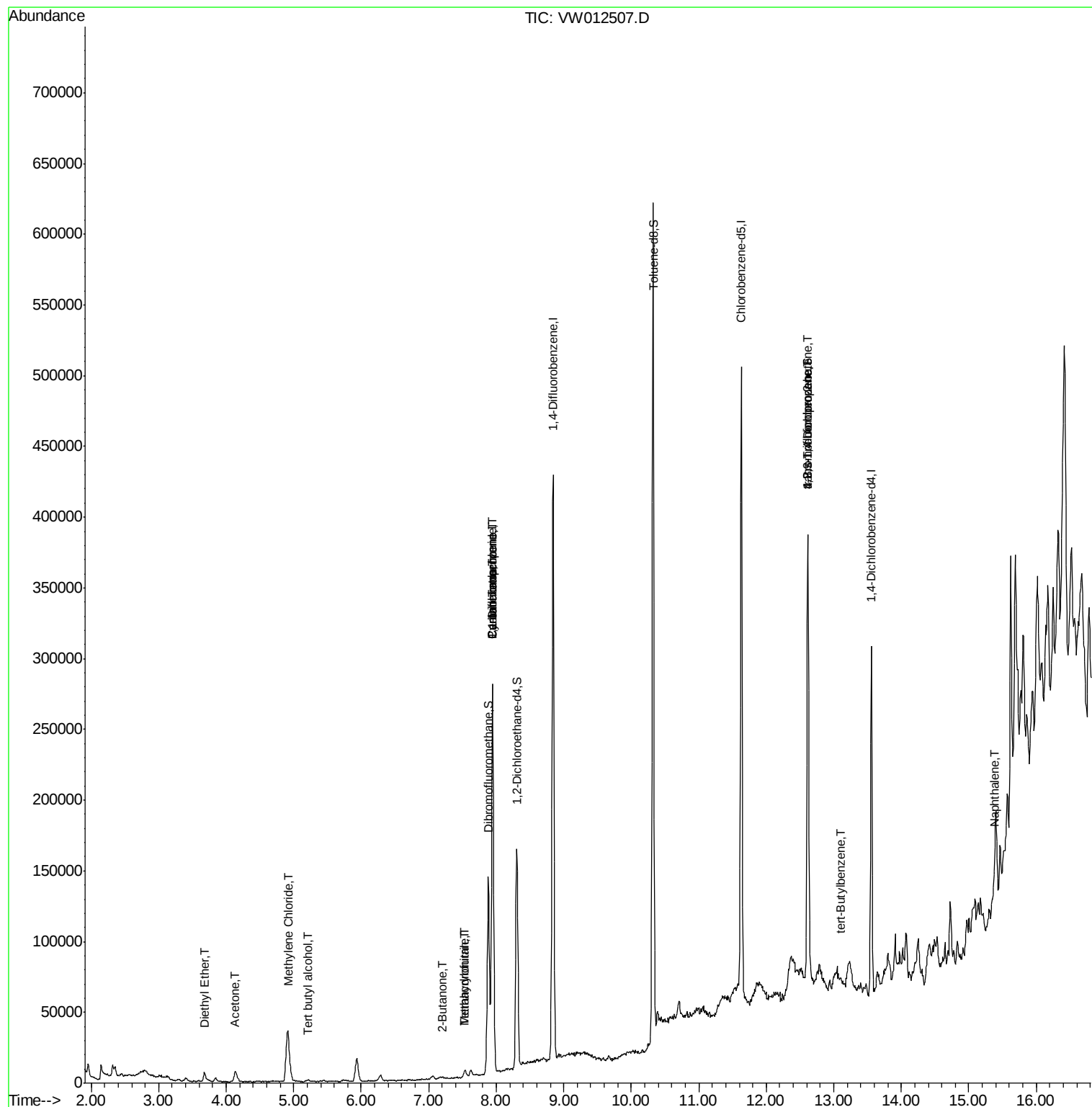
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2877	2.549	ug/l	83
11) Tert butyl alcohol	5.21	59	1375	9.477	ug/l #	71
16) Acetone	4.14	43	15897	25.796	ug/l	89
20) Methylene Chloride	4.92	84	29096	12.489	ug/l	95
25) 2-Butanone	7.20	43	1690	2.018	ug/l #	84
29) Tetrahydrofuran	7.53	42	4436	8.829	ug/l #	88
31) Cyclohexane	7.95	56	5303	1.221	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	16212	4.713	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20444	6.867	ug/l #	17
41) Methacrylonitrile	7.53	41	3079	2.779	ug/l #	50
76) 1,2,3-Trichloropropane	12.62	75	51869	83.936	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51869	184.033	ug/l #	6
83) tert-Butylbenzene	13.10	119	4653	1.383	ug/l #	45
95) Naphthalene	15.37	128	557	4.534	ug/l #	69

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012507.D

Acq: 02 Sep 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

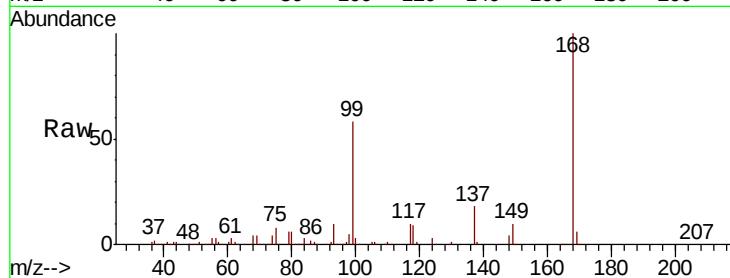
T9-12-13-T2-(1.9)RE

Tgt Ion:168 Resp: 202803

Ion Ratio Lower Upper

168 100

99 57.8 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

100000

80000

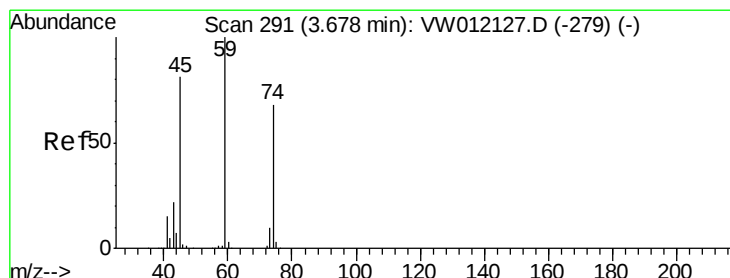
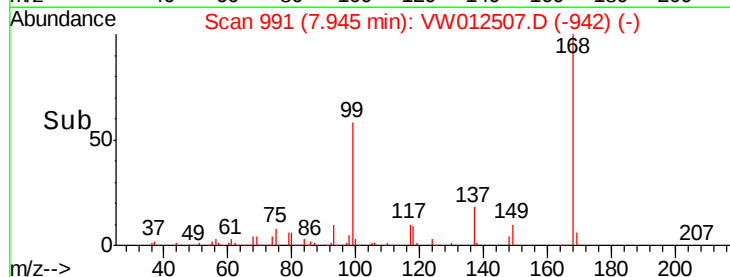
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.549 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012507.D

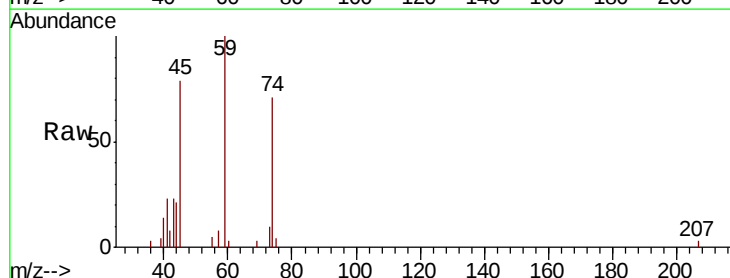
Acq: 02 Sep 2019 18:45

Tgt Ion: 74 Resp: 2877

Ion Ratio Lower Upper

74 100

45 137.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

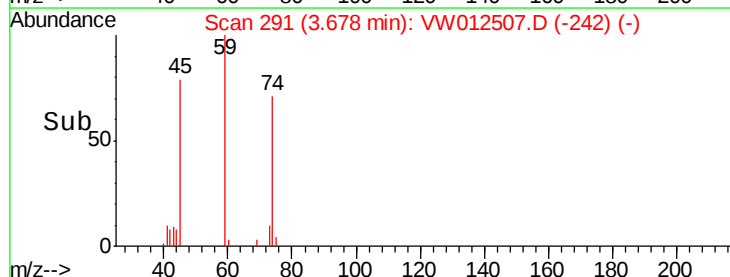
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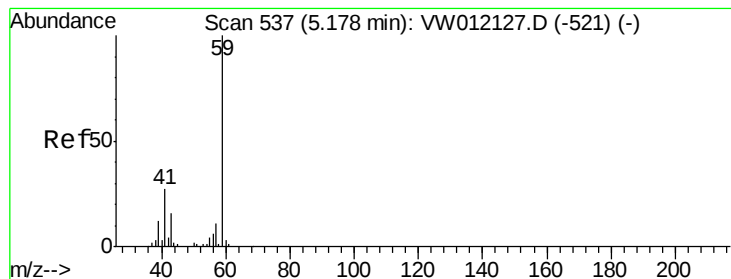
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Time-->



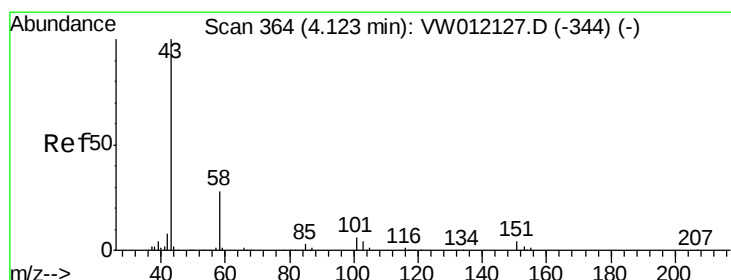
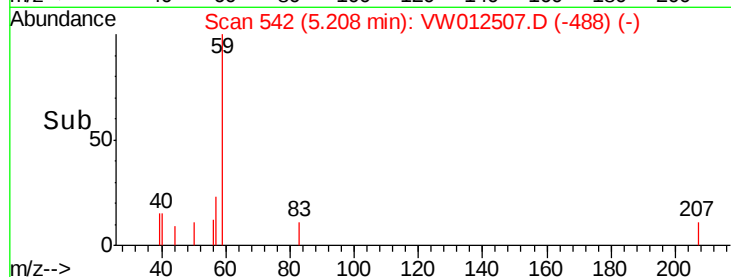
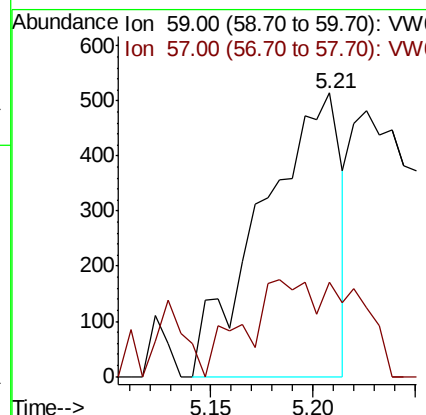
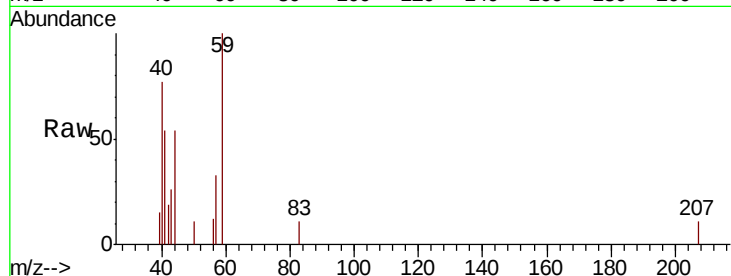


#11

Tert butyl alcohol
 Concen: 9.477 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.03 min
 Lab File: VW012507.D
 Acq: 02 Sep 2019 18:45

Instrument :
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 T9-12-13-T2-(1.9)RE

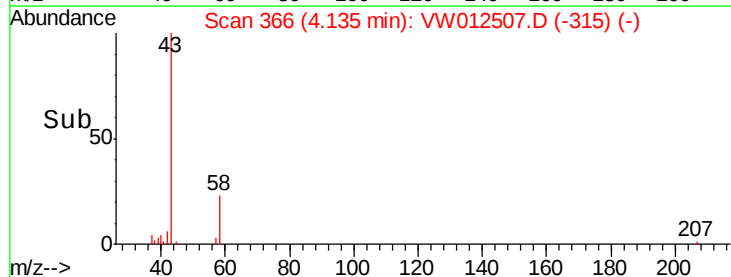
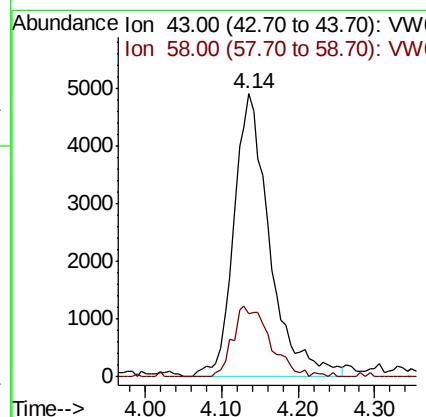
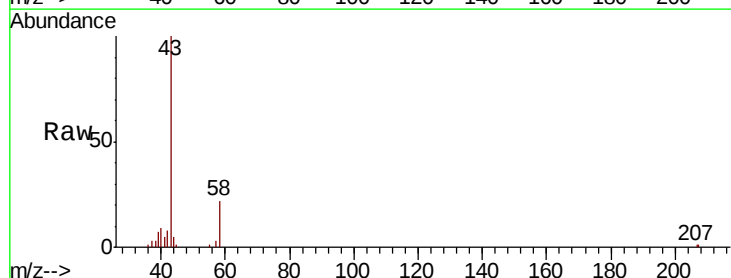
Tgt Ion: 59 Resp: 1375
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

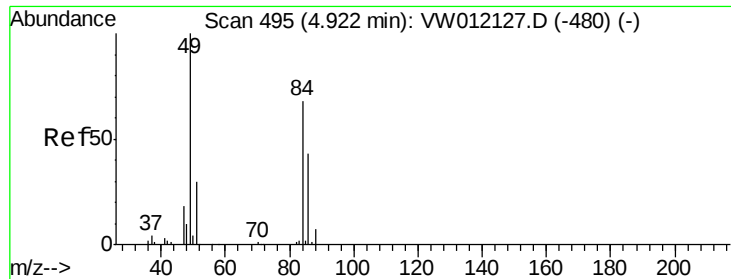


#16

Acetone
 Concen: 25.796 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW012507.D
 Acq: 02 Sep 2019 18:45

Tgt Ion: 43 Resp: 15897
 Ion Ratio Lower Upper
 43 100
 58 22.4 22.4 33.6

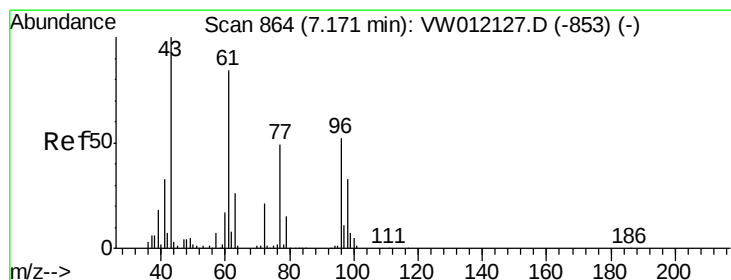
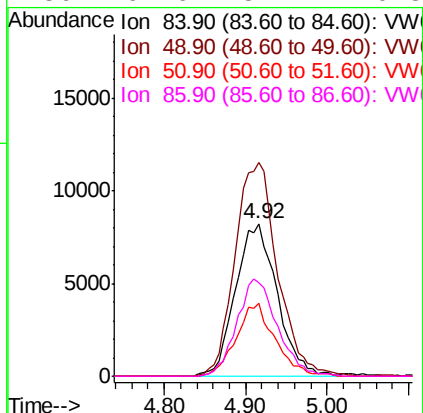
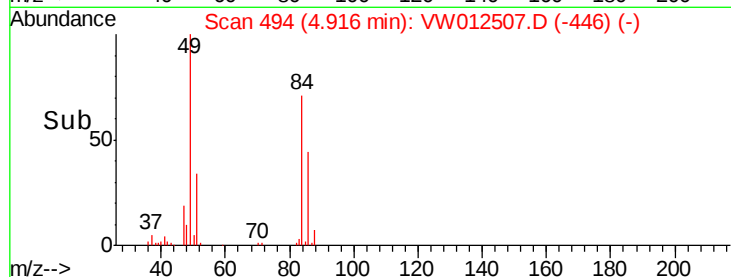
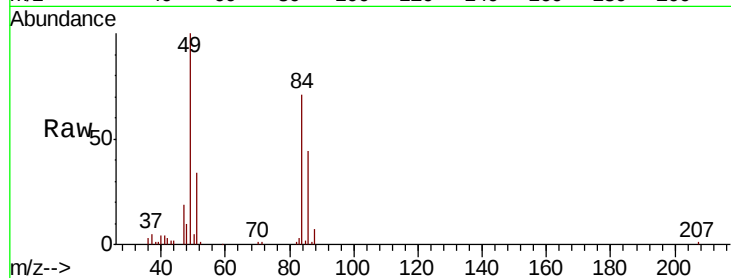




#20
Methylene Chloride
Concen: 12.489 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012507.D
Acq: 02 Sep 2019 18:45

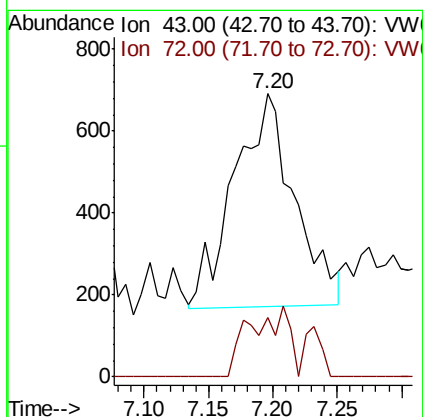
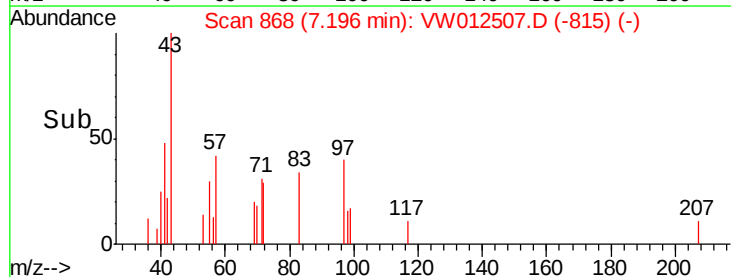
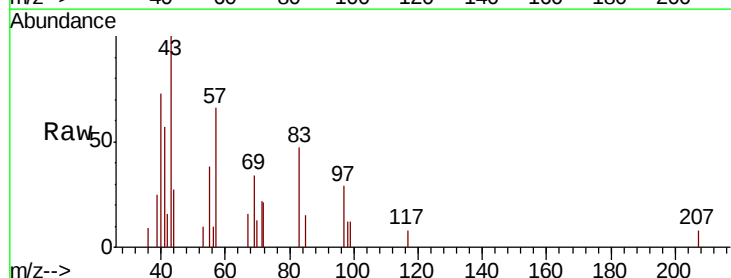
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T2-(1.9)RE

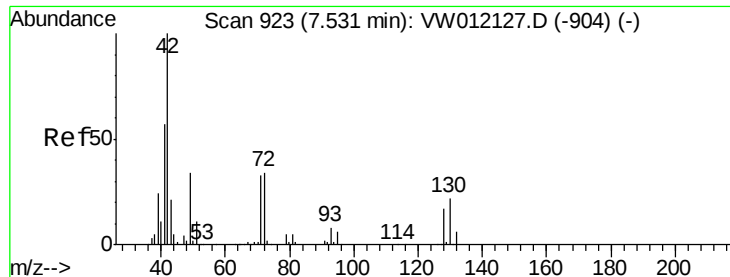
Tgt Ion: 84 Resp: 29096
Ion Ratio Lower Upper
84 100
49 140.0 117.8 176.8
51 47.7 35.6 53.4
86 61.6 51.2 76.8



#25
2-Butanone
Concen: 2.018 ug/l
RT: 7.20 min Scan# 868
Delta R.T. 0.02 min
Lab File: VW012507.D
Acq: 02 Sep 2019 18:45

Tgt Ion: 43 Resp: 1690
Ion Ratio Lower Upper
43 100
72 28.2 16.6 24.8#

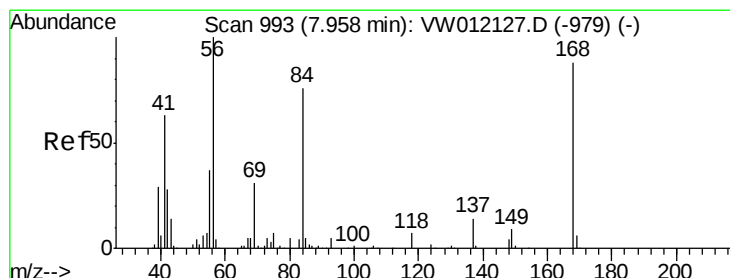
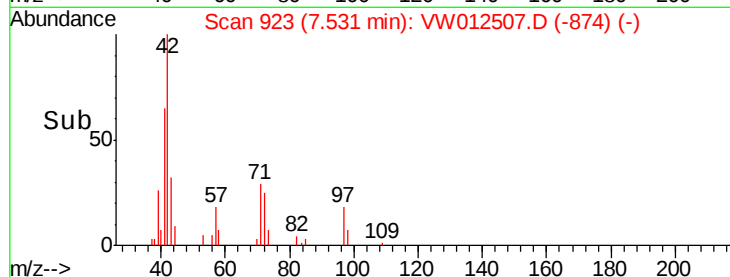
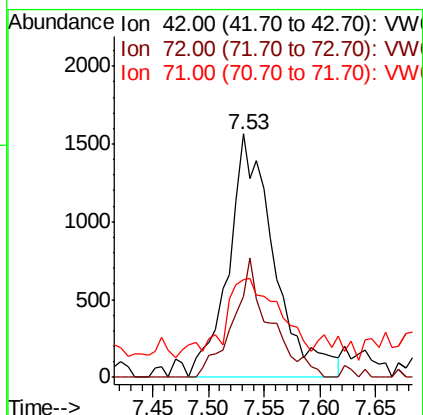
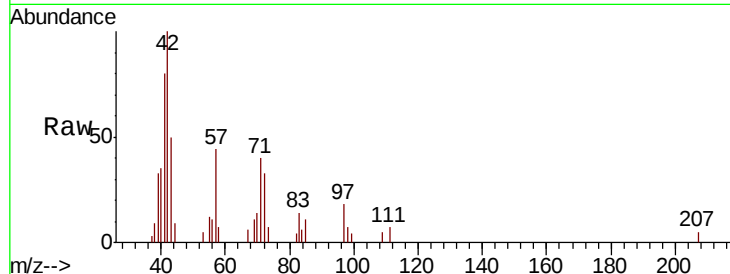




#29
Tetrahydrofuran
Concen: 8.829 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012507.D
Acq: 02 Sep 2019 18:45

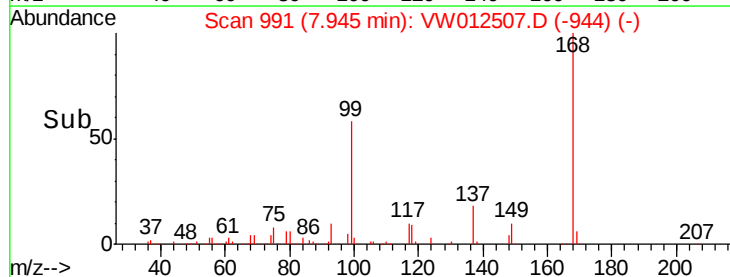
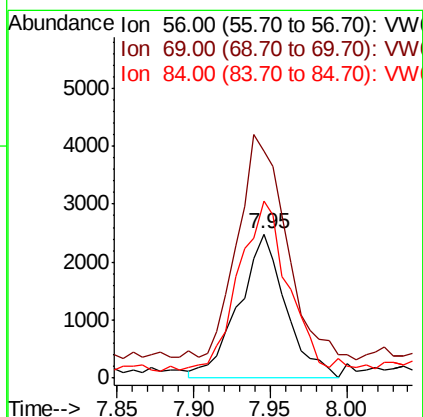
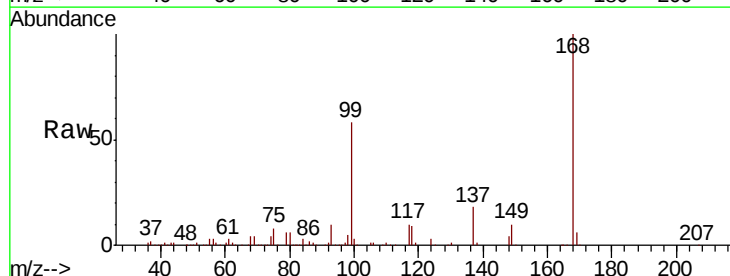
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T2-(1.9)RE

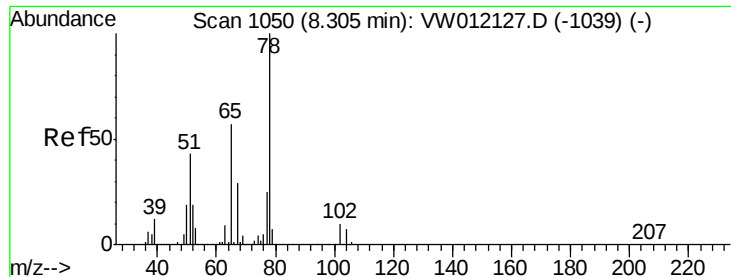
Tgt Ion: 42 Resp: 4436
Ion Ratio Lower Upper
42 100
72 39.8 27.3 40.9
71 39.8 25.5 38.3#



#31
Cyclohexane
Concen: 1.221 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012507.D
Acq: 02 Sep 2019 18:45

Tgt Ion: 56 Resp: 5303
Ion Ratio Lower Upper
56 100
69 142.1 24.9 37.3#
84 115.6 60.6 90.8#

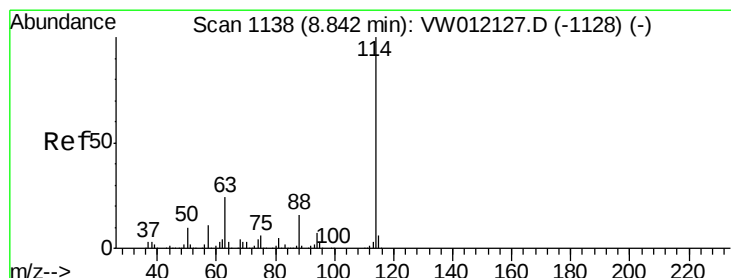
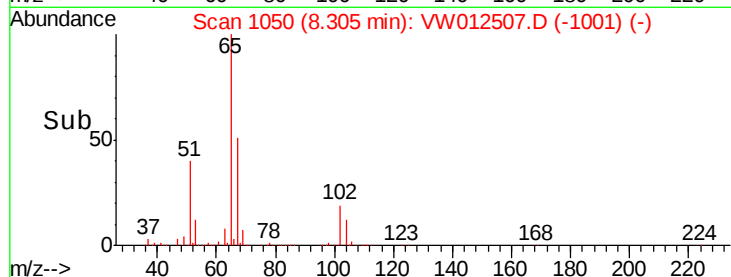
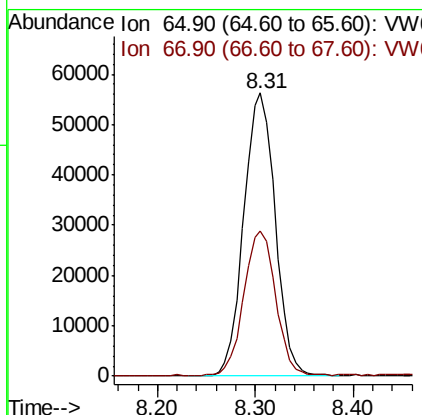
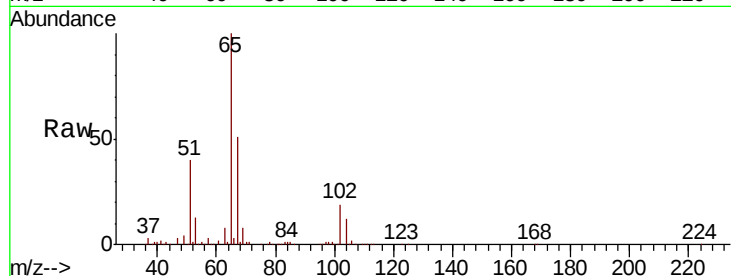




#33
 1,2-Dichloroethane-d4
 Concen: 52.268 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012507.D
 Acq: 02 Sep 2019 18:45

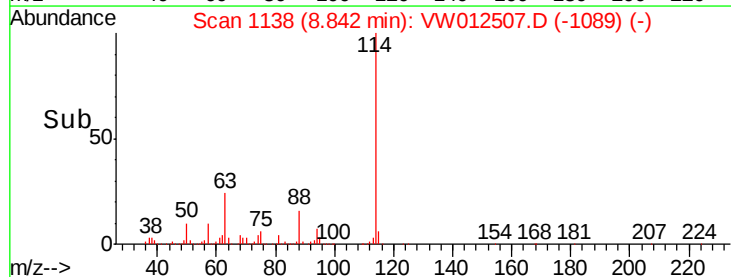
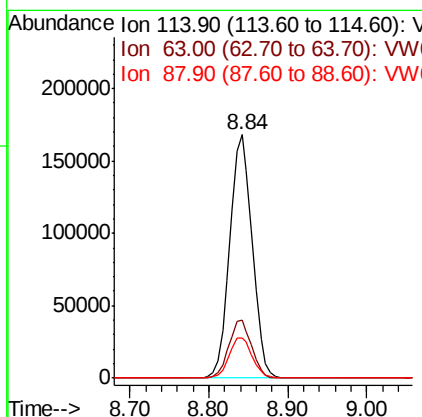
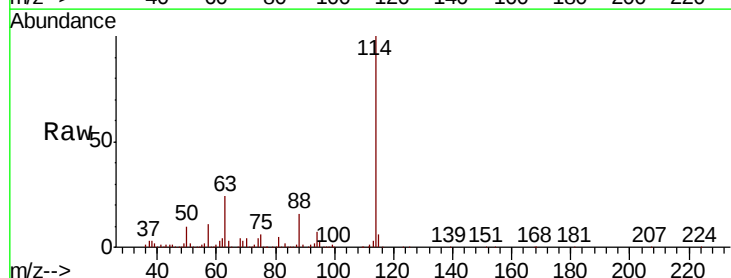
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-T2-(1.9)RE

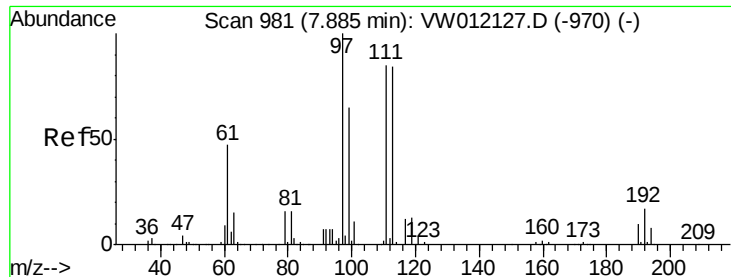
Tgt Ion: 65 Resp: 126009
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012507.D
 Acq: 02 Sep 2019 18:45

Tgt Ion: 114 Resp: 332847
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.6
 88 16.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.593 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012507.D

Acq: 02 Sep 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-T2-(1.9)RE

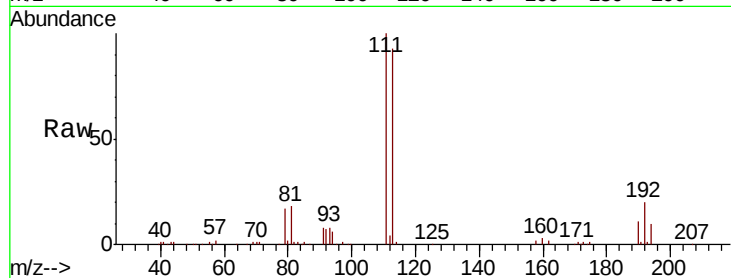
Tgt Ion:113 Resp: 98530

Ion Ratio Lower Upper

113 100

111 104.6 82.7 124.1

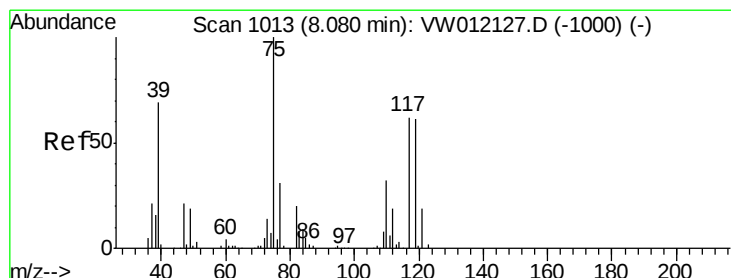
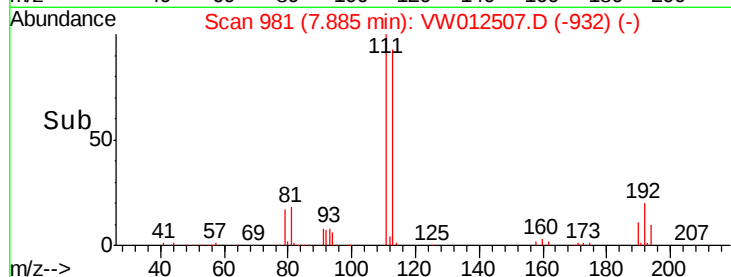
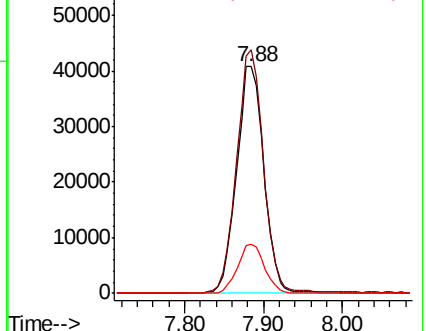
192 21.2 16.2 24.2



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: 4.713 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012507.D

Acq: 02 Sep 2019 18:45

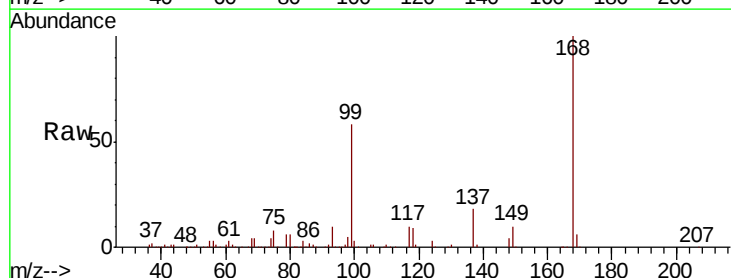
Tgt Ion: 75 Resp: 16212

Ion Ratio Lower Upper

75 100

110 8.1 15.6 46.8#

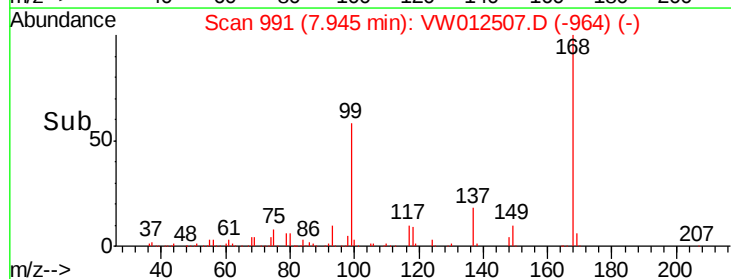
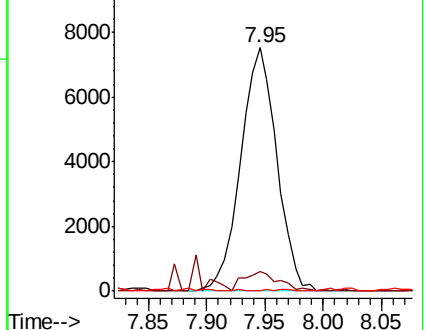
77 0.1 24.6 36.8#

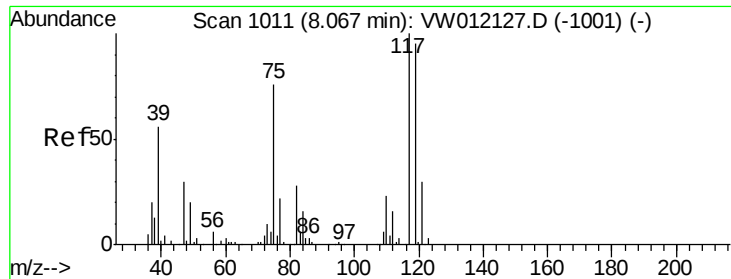


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.867 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012507.D

Acq: 02 Sep 2019 18:45

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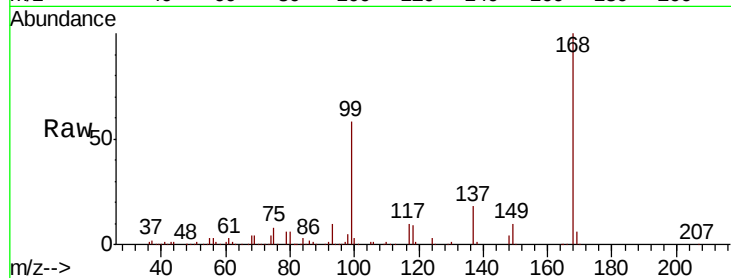
Tgt Ion:117 Resp: 20444

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.2#

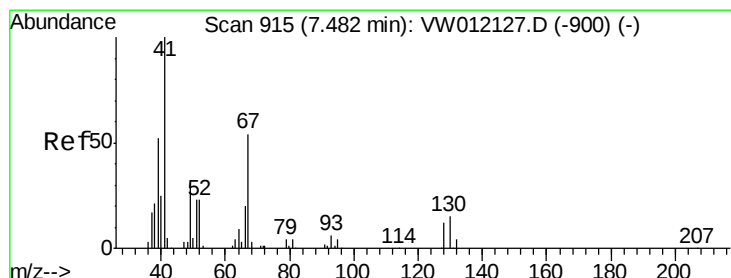
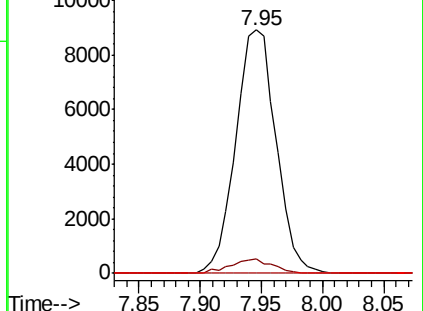
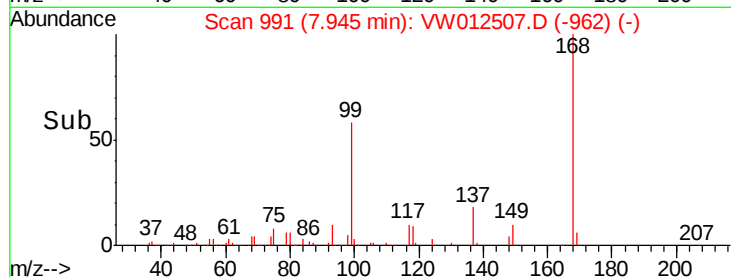
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 2.779 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012507.D

Acq: 02 Sep 2019 18:45

Tgt Ion: 41 Resp: 3079

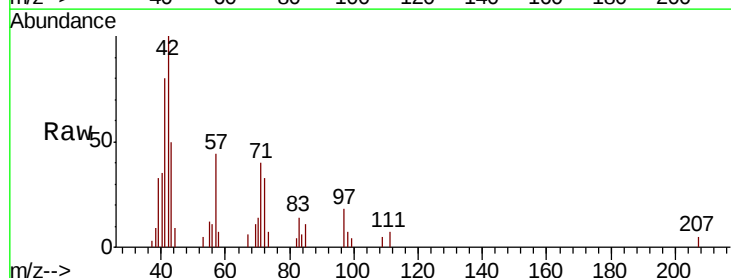
Ion Ratio Lower Upper

41 100

39 32.9 45.8 68.8#

67 7.9 46.2 69.4#

52 0.0 21.0 31.6#

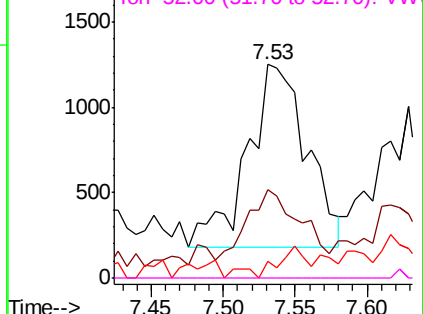
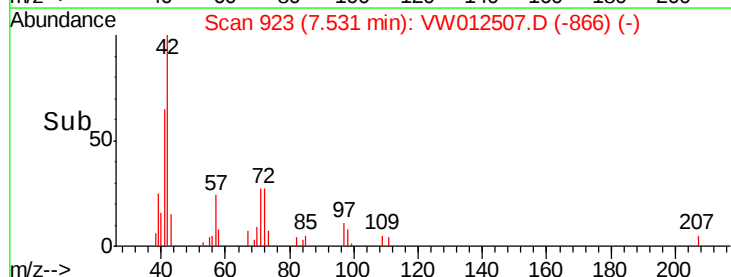


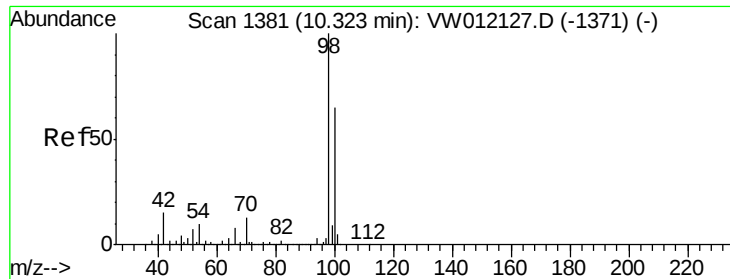
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#50

Toluene-d8

Concen: 47.066 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012507.D

Acq: 02 Sep 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

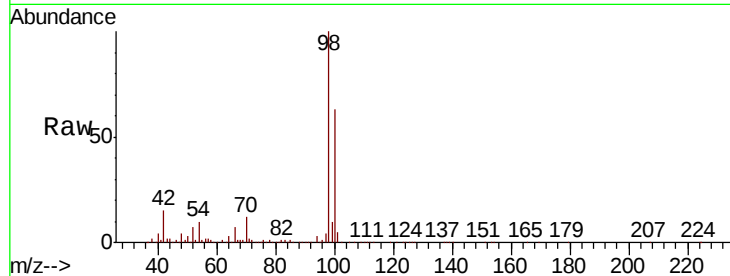
T9-12-13-T2-(1.9)RE

Tgt Ion: 98 Resp: 379154

Ion Ratio Lower Upper

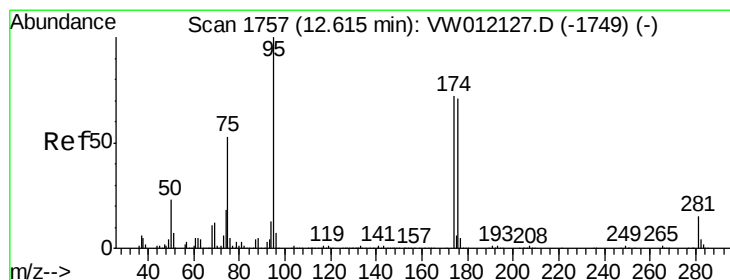
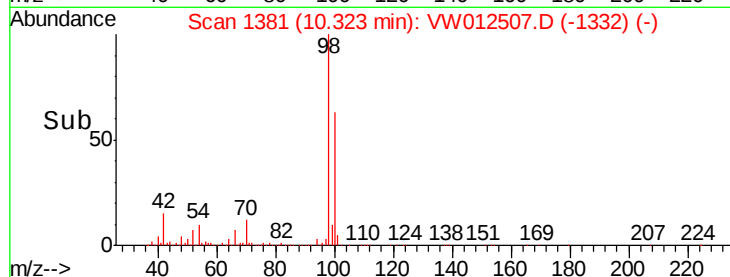
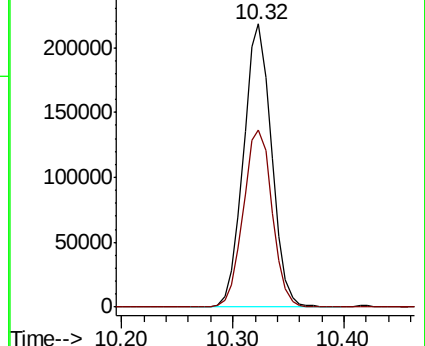
98 100

100 64.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 34.632 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012507.D

Acq: 02 Sep 2019 18:45

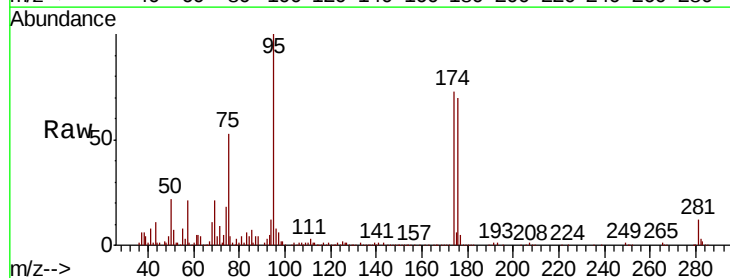
Tgt Ion: 95 Resp: 98344

Ion Ratio Lower Upper

95 100

174 77.3 0.0 150.8

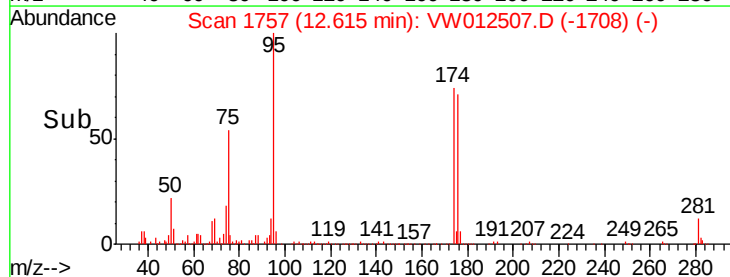
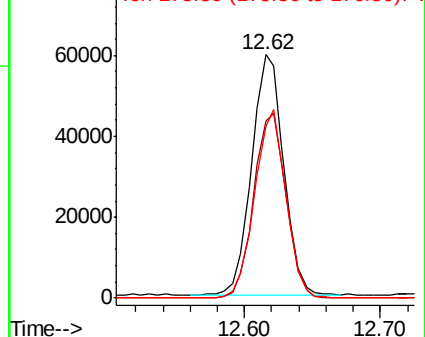
176 76.2 0.0 148.6

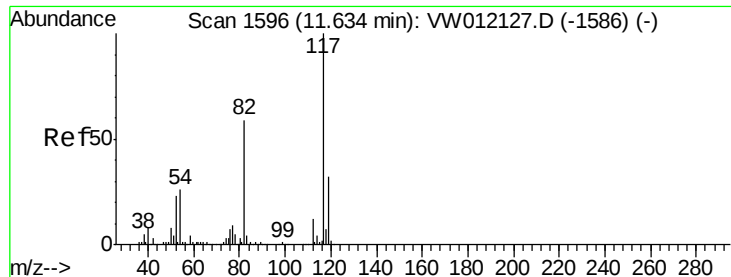


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

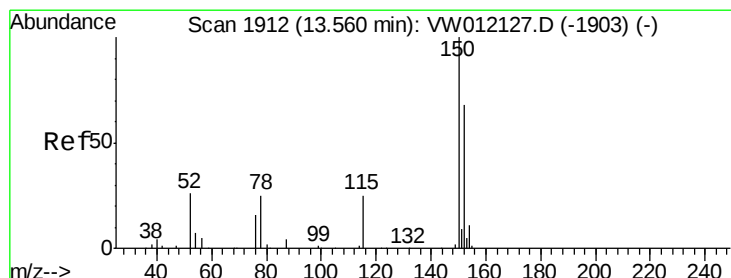
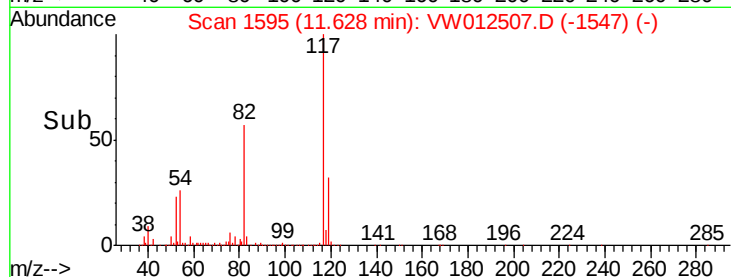
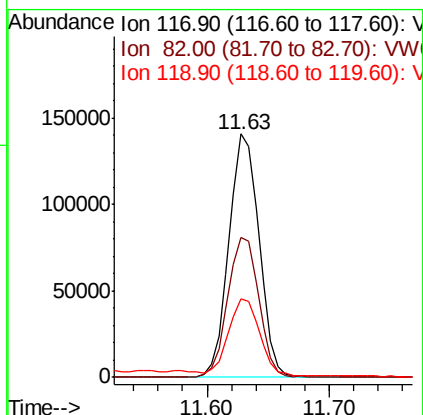
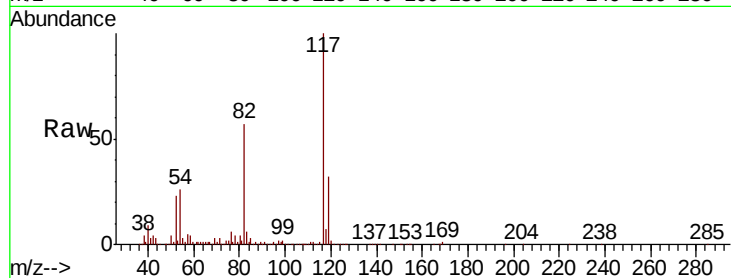




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012507.D
Acq: 02 Sep 2019 18:45

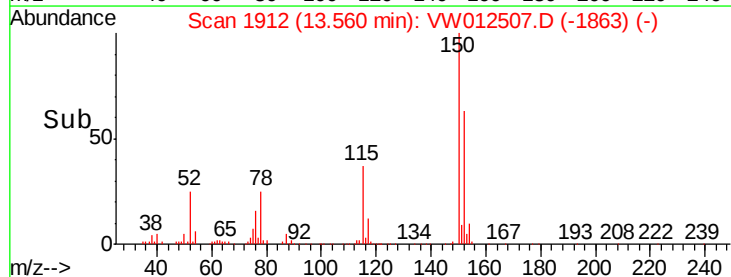
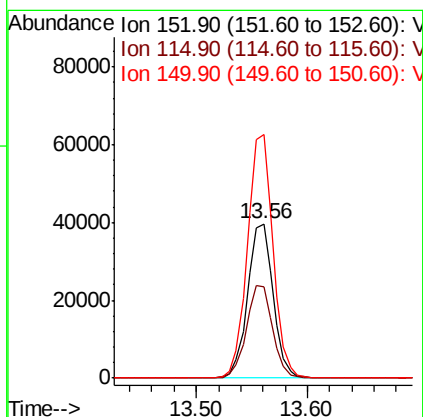
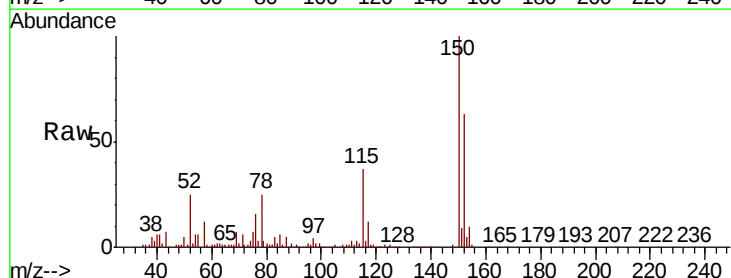
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T2-(1.9)RE

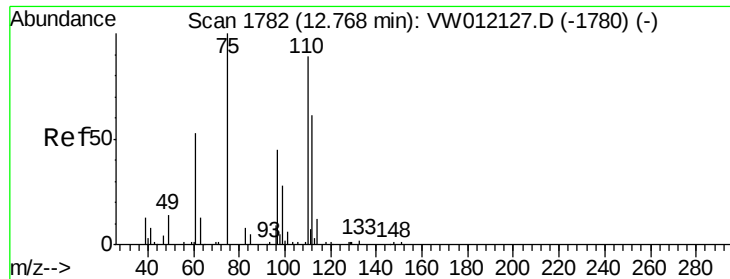
Tgt Ion:117 Resp: 239099
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012507.D
Acq: 02 Sep 2019 18:45

Tgt Ion:152 Resp: 63450
Ion Ratio Lower Upper
152 100
115 60.8 30.1 90.3
150 157.2 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 83.936 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012507.D

Acq: 02 Sep 2019 18:45

Instrument :

MSVOA_W

ClientSampleId :

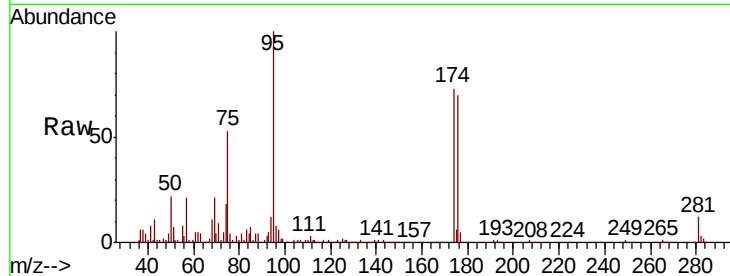
T9-12-13-T2-(1.9)RE

Tgt Ion: 75 Resp: 51869

Ion Ratio Lower Upper

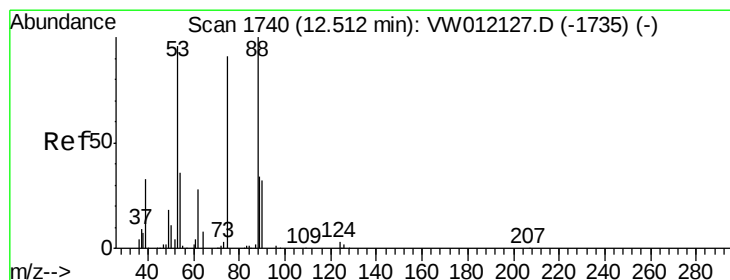
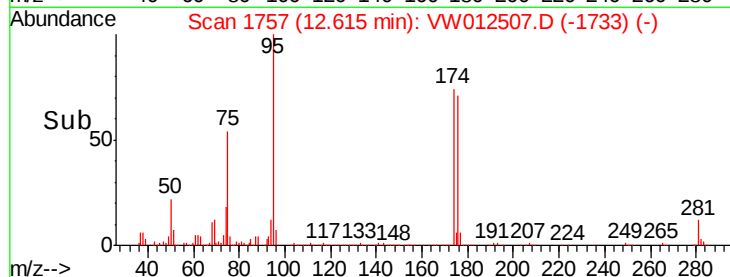
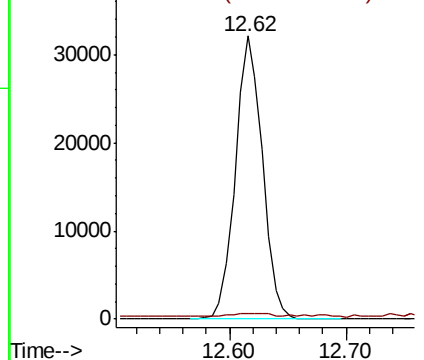
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 184.033 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012507.D

Acq: 02 Sep 2019 18:45

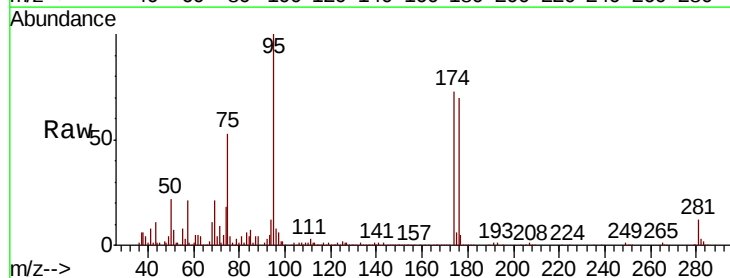
Tgt Ion: 75 Resp: 51869

Ion Ratio Lower Upper

75 100

53 0.7 89.4 134.0#

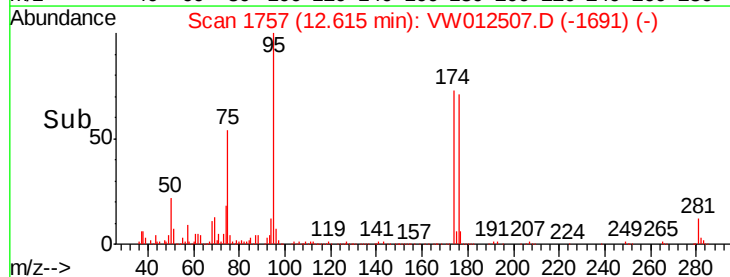
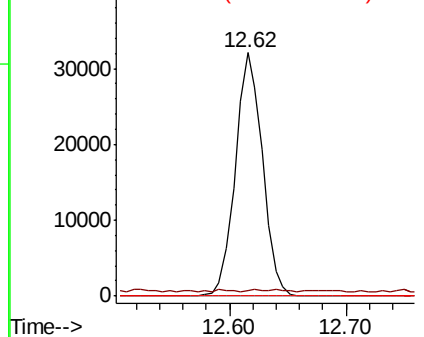
89 0.0 34.5 51.7#

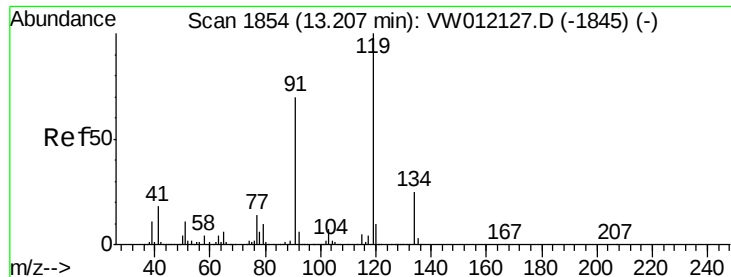


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

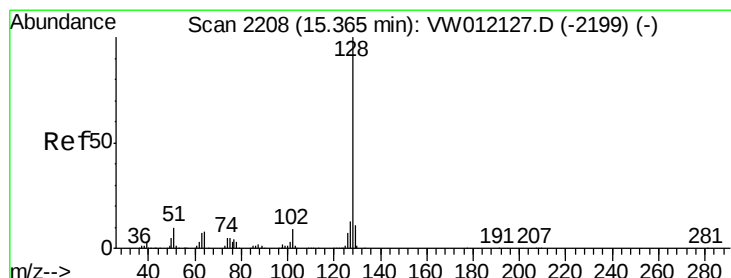
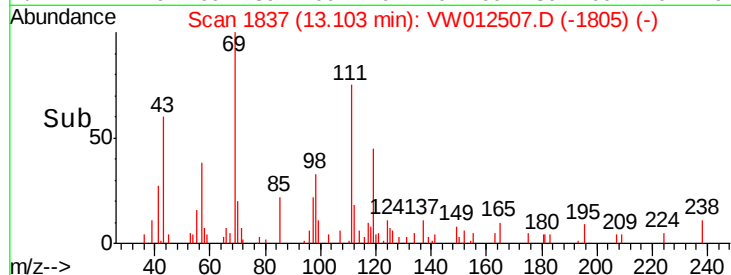
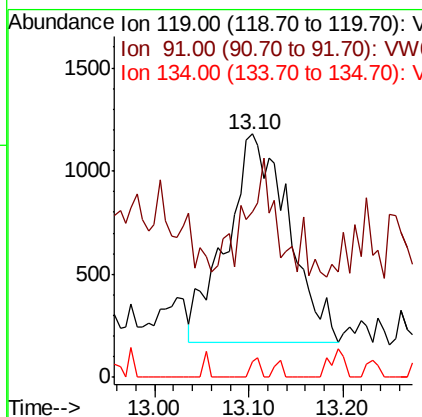
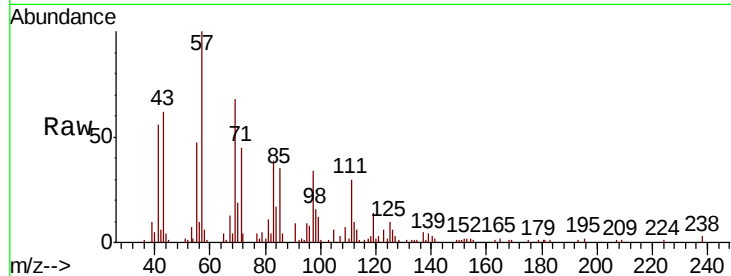




#83
 tert-Butylbenzene
 Concen: 1.383 ug/l
 RT: 13.10 min Scan# 1837
 Delta R.T. -0.10 min
 Lab File: VW012507.D
 Acq: 02 Sep 2019 18:45

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-T2-(1.9)RE

Tgt Ion:119 Resp: 4653
 Ion Ratio Lower Upper
 119 100
 91 23.2 34.8 104.3#
 134 1.4 13.3 39.8#



#95
 Naphthalene
 Concen: 4.534 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW012507.D
 Acq: 02 Sep 2019 18:45

Tgt Ion:128 Resp: 557
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.7 13.1#

