

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012470.D
 Acq On : 02 Sep 2019 01:59
 Operator : SY/VA
 Sample : K4527-13
 Misc : 5.11G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-N4-(1.9)

Quant Time: Sep 02 07:24:54 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	207859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	100457	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	140288	56.78	ug/l	0.00
Spiked Amount			Recovery	=	113.56%	
35) Dibromofluoromethane	7.88	113	107605	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
50) Toluene-d8	10.32	98	419840	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.62	95	125007	42.81	ug/l	0.00
Spiked Amount			Recovery	=	85.62%	

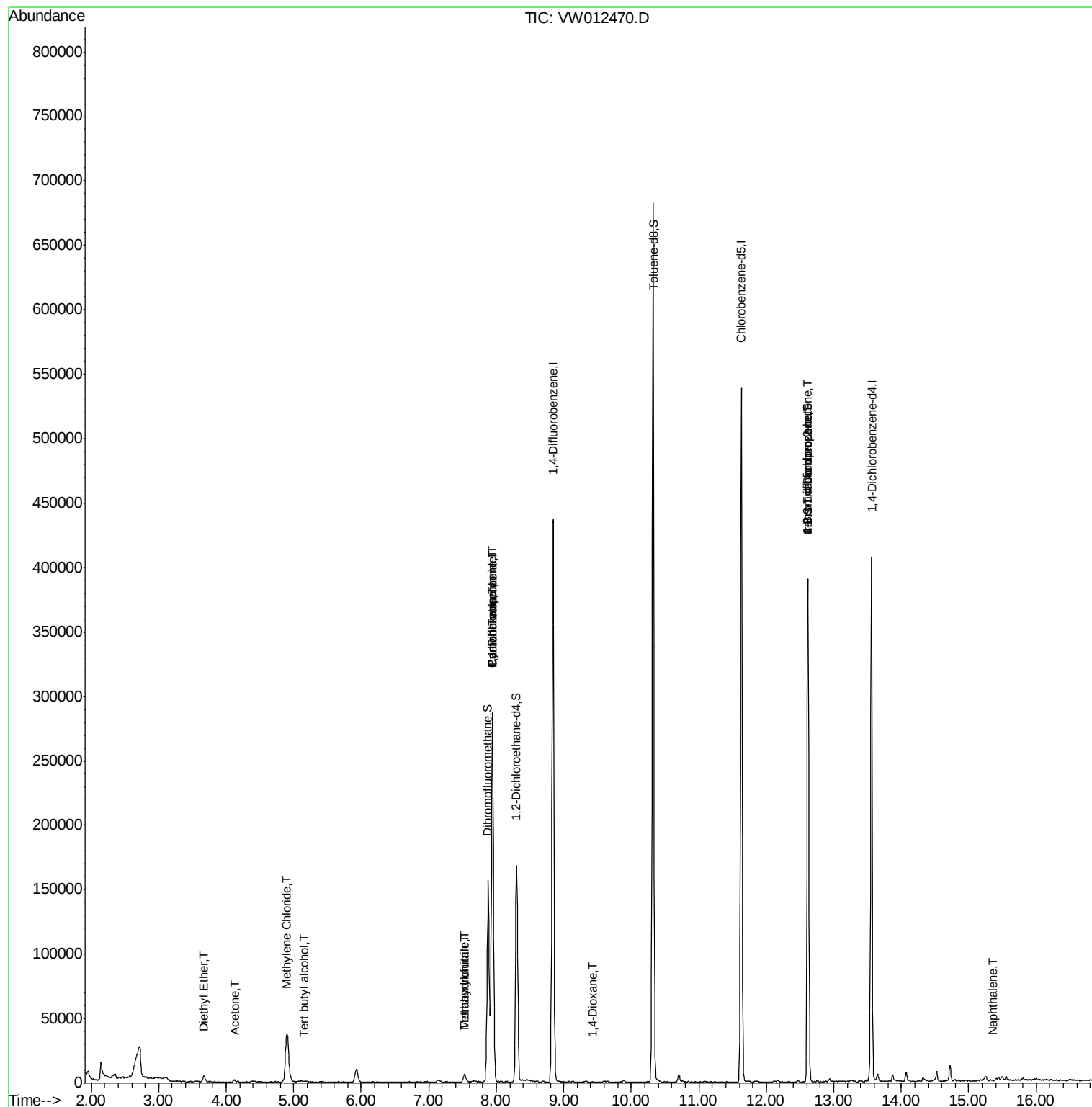
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2512	2.172	ug/l	89
11) Tert butyl alcohol	5.16	59	811	5.454	ug/l #	86
16) Acetone	4.12	43	2523	3.994	ug/l	93
20) Methylene Chloride	4.90	84	27384	11.468	ug/l	92
29) Tetrahydrofuran	7.53	42	5513	10.706	ug/l	98
31) Cyclohexane	7.94	56	5663	1.272	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18109	5.120	ug/l #	52
38) Carbon Tetrachloride	7.94	117	21504	7.024	ug/l #	16
41) Methacrylonitrile	7.52	41	3238	2.842	ug/l #	58
49) 1,4-Dioxane	9.43	88	20	1.130	ug/l #	5
76) 1,2,3-Trichloropropane	12.62	75	67860	69.360	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67860	152.073	ug/l #	6
95) Naphthalene	15.36	128	412	4.420	ug/l #	69

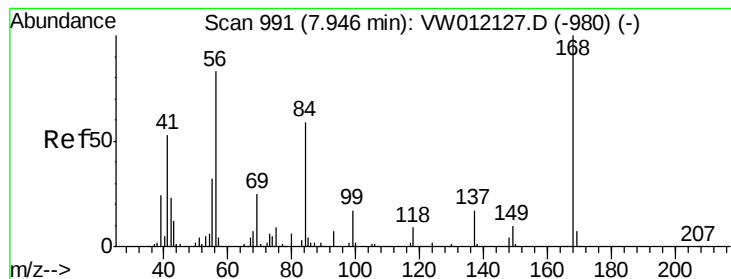
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012470.D

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Instrument :

MSVOA_W

ClientSampleId :

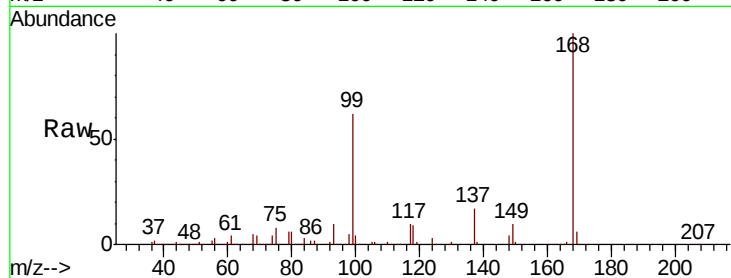
T9-12-13-N4-(1.9)

Tgt Ion:168 Resp: 207859

Ion Ratio Lower Upper

168 100

99 62.4 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

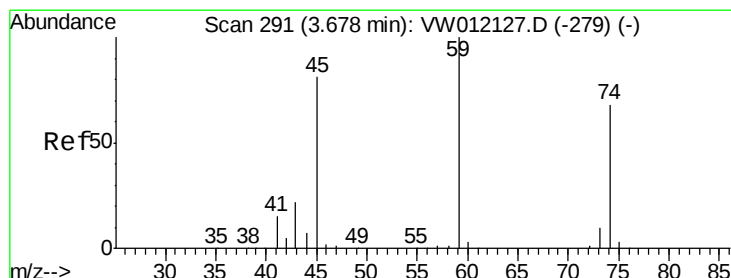
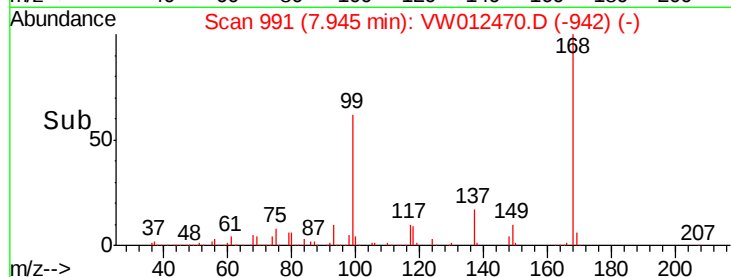
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.172 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012470.D

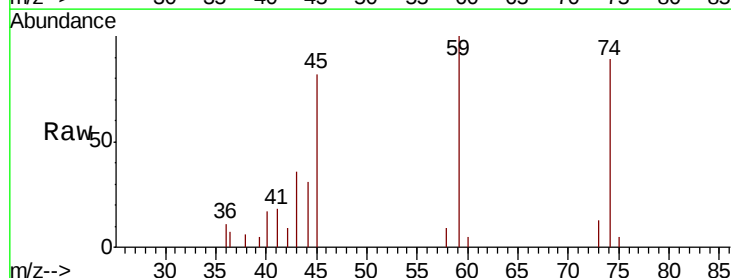
Acq: 02 Sep 2019 01:59

Tgt Ion: 74 Resp: 2512

Ion Ratio Lower Upper

74 100

45 130.1 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

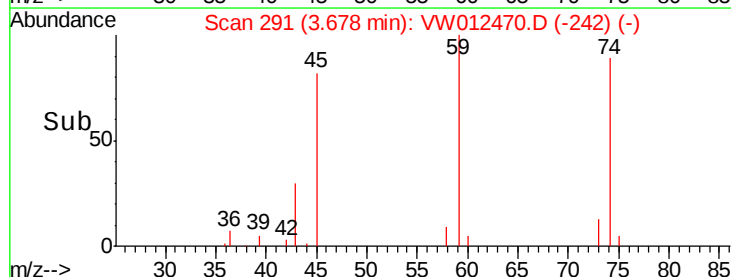
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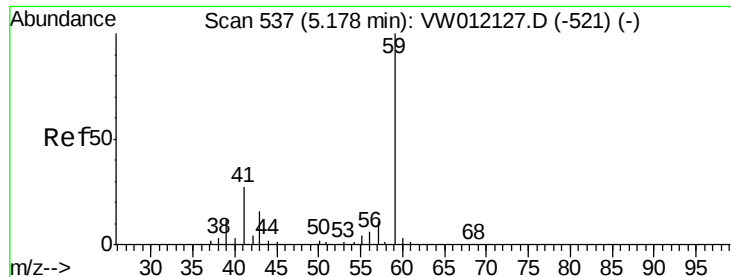
1000

500

0

Time-->

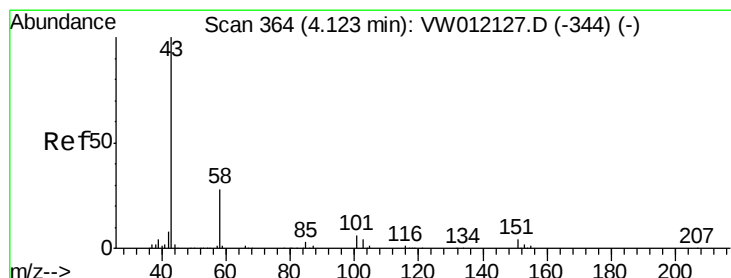
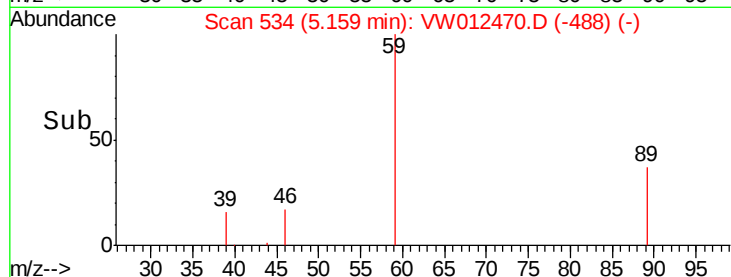
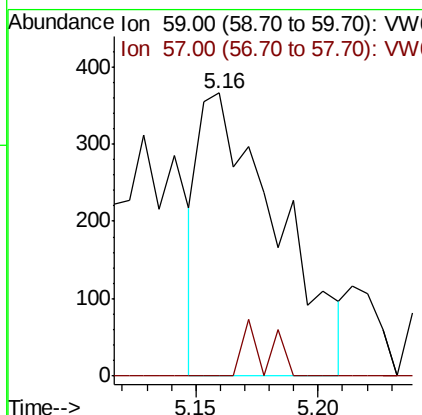
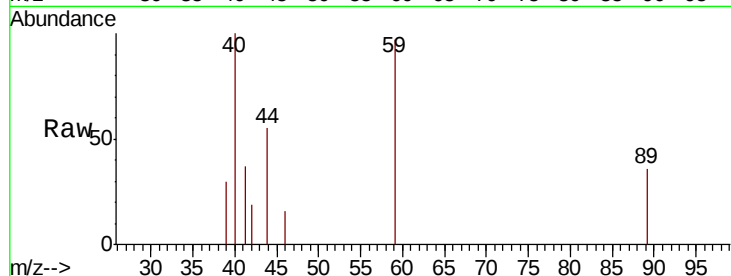




#11
Tert butyl alcohol
Concen: 5.454 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW012470.D
Acq: 02 Sep 2019 01:59

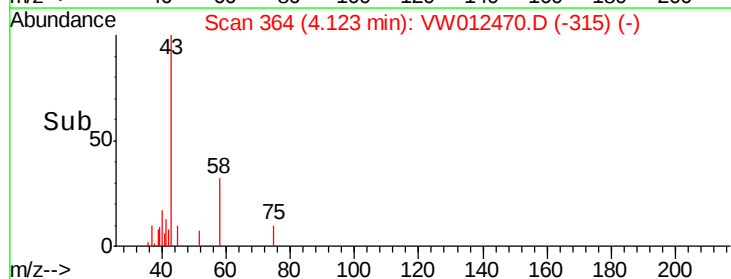
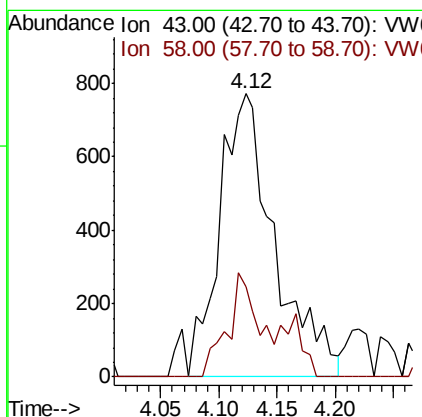
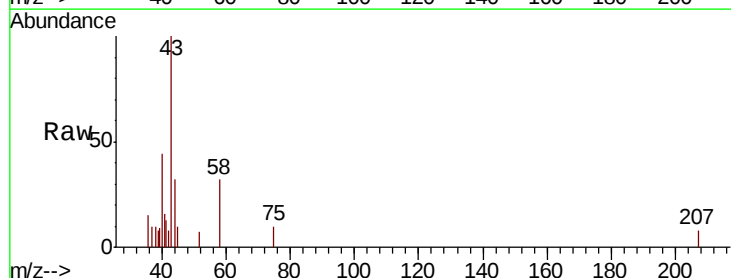
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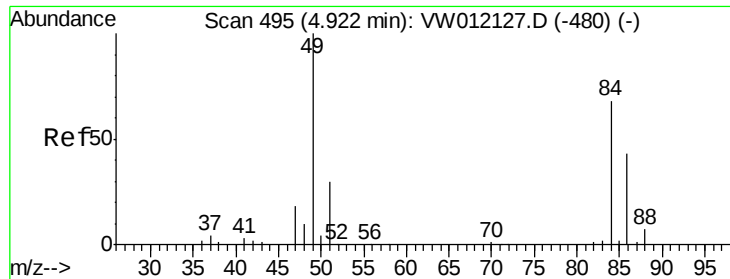
Tgt Ion: 59 Resp: 811
Ion Ratio Lower Upper
59 100
57 6.0 9.0 13.4#



#16
Acetone
Concen: 3.994 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012470.D
Acq: 02 Sep 2019 01:59

Tgt Ion: 43 Resp: 2523
Ion Ratio Lower Upper
43 100
58 31.7 22.4 33.6

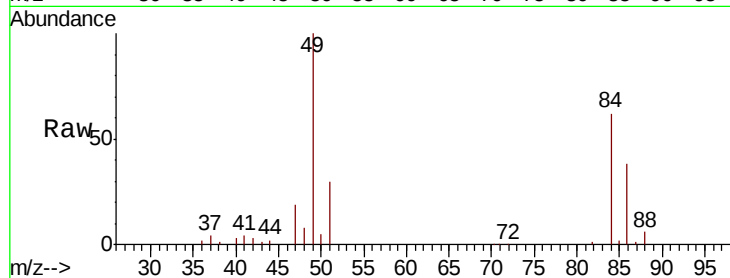




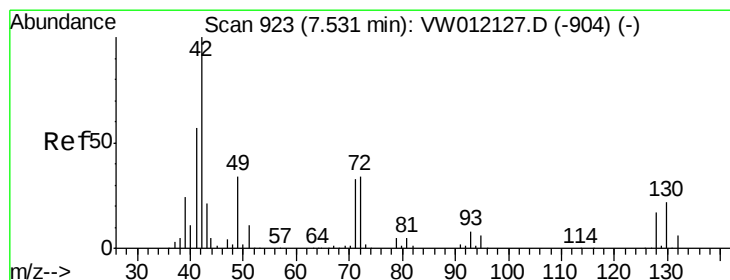
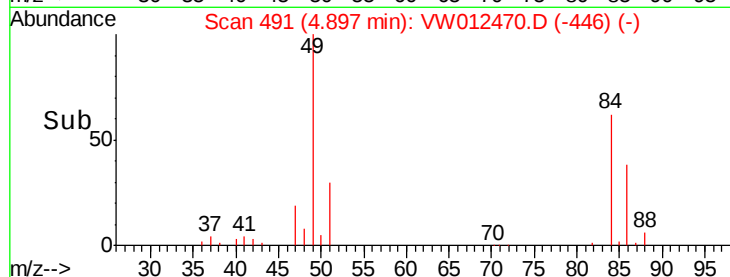
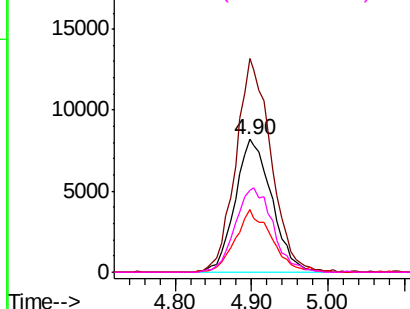
#20
Methylene Chloride
Concen: 11.468 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.02 min
Lab File: VW012470.D
Acq: 02 Sep 2019 01:59

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-N4-(1.9)

Tgt Ion: 84 Resp: 27384
Ion Ratio Lower Upper
84 100
49 161.1 117.8 176.8
51 47.7 35.6 53.4
86 61.6 51.2 76.8

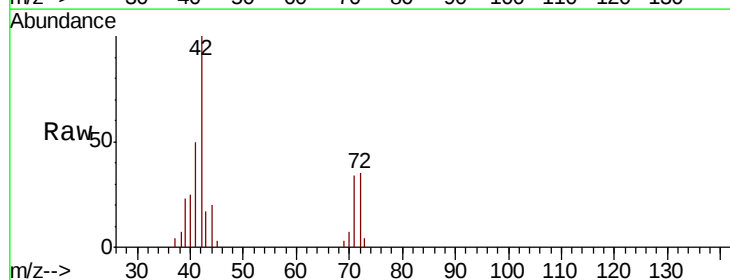


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

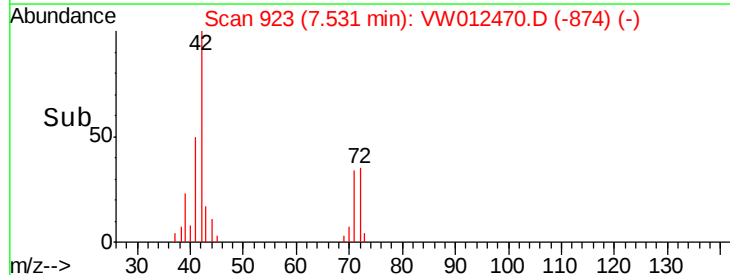
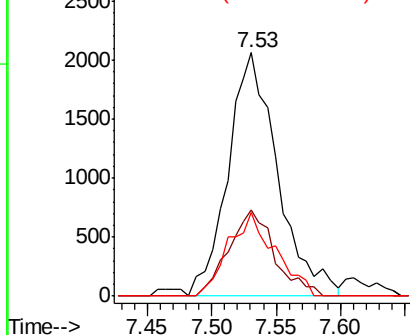


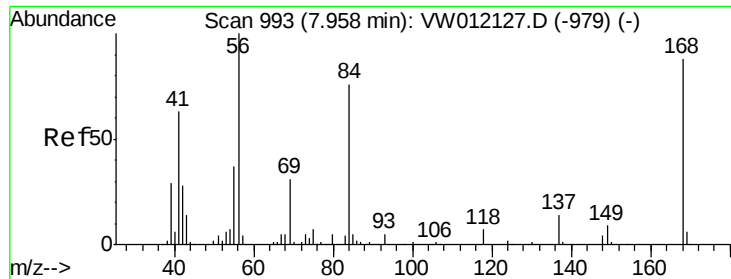
#29
Tetrahydrofuran
Concen: 10.706 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012470.D
Acq: 02 Sep 2019 01:59

Tgt Ion: 42 Resp: 5513
Ion Ratio Lower Upper
42 100
72 32.7 27.3 40.9
71 32.4 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

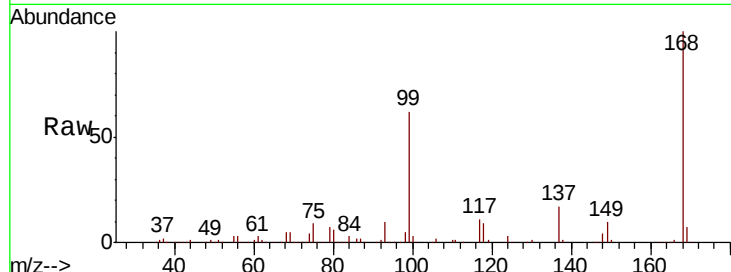




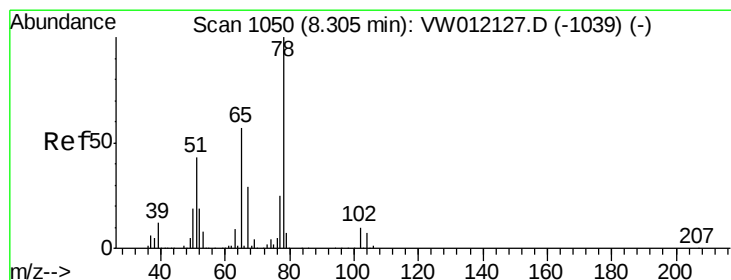
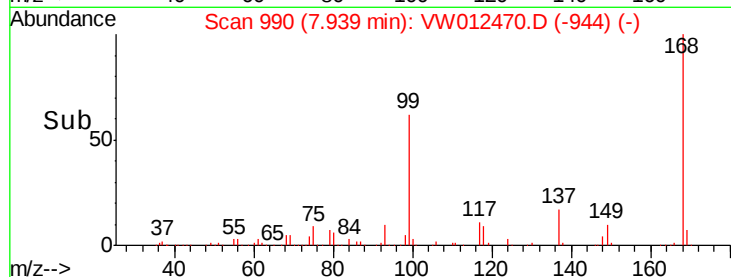
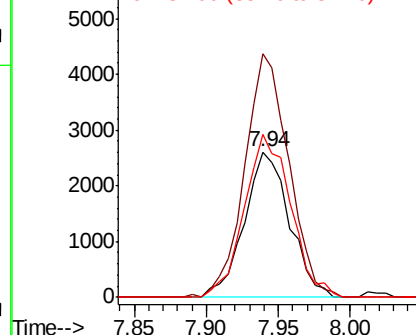
#31
Cyclohexane
Concen: 1.272 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012470.D
Acq: 02 Sep 2019 01:59

Instrument :
MSVOA_W
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T9-12-13-N4-(1.9)

Tgt Ion: 56 Resp: 5663
Ion Ratio Lower Upper
56 100
69 167.2 24.9 37.3#
84 111.8 60.6 90.8#

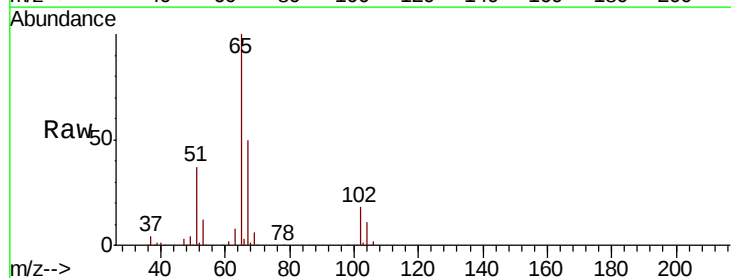


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

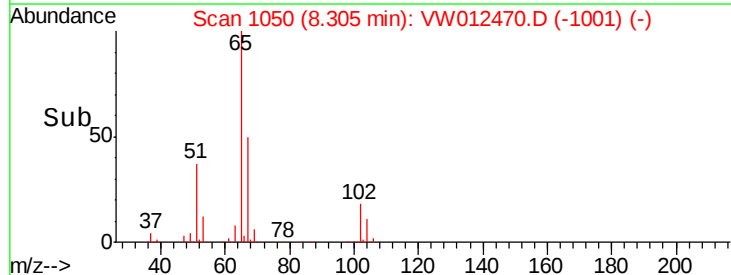
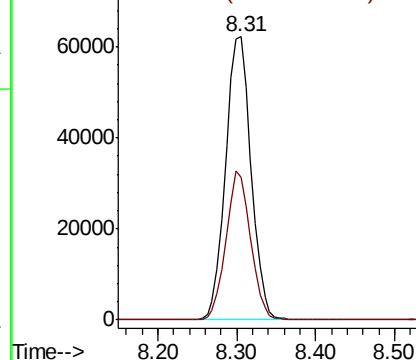


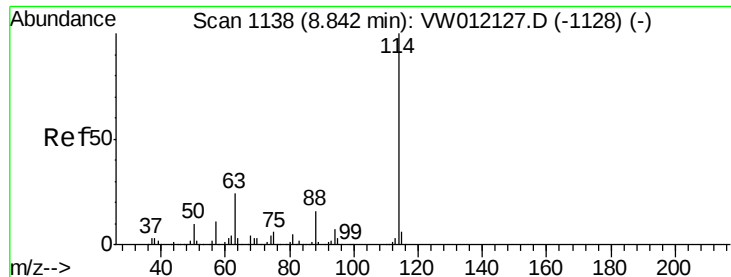
#33
1,2-Dichloroethane-d4
Concen: 56.775 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012470.D
Acq: 02 Sep 2019 01:59

Tgt Ion: 65 Resp: 140288
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.6



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

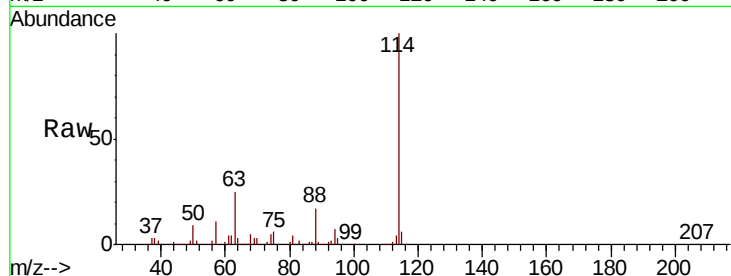




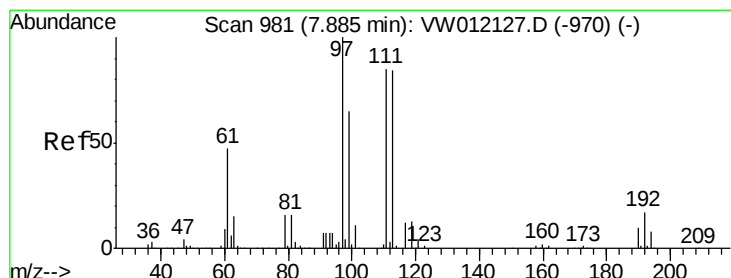
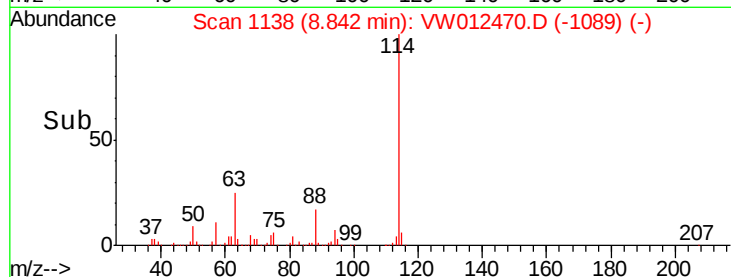
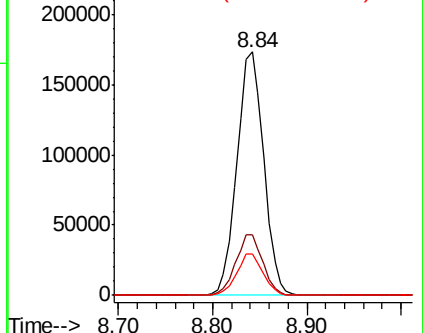
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012470.D
 Acq: 02 Sep 2019 01:59

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-N4-(1.9)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	48.6
88	17.1	0.0	32.2

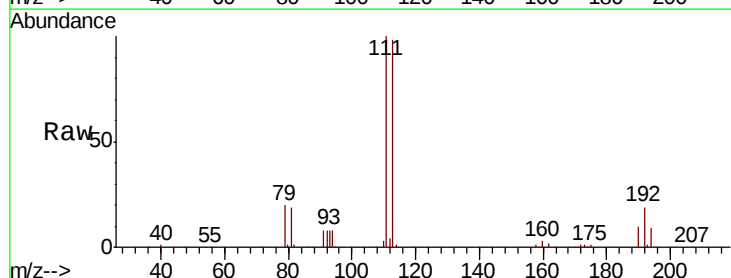


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

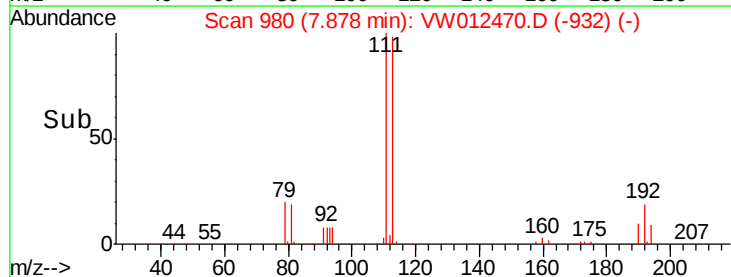
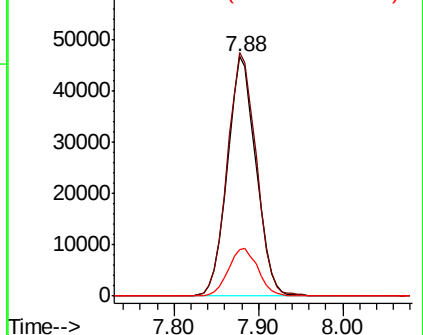


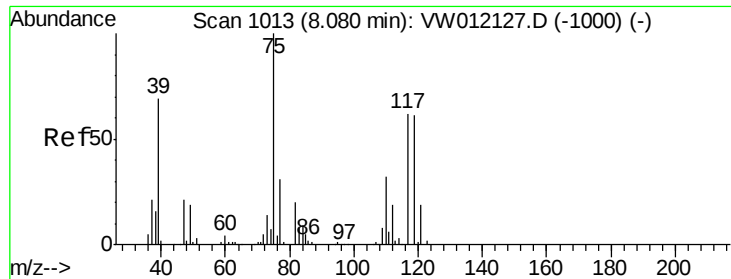
#35
 Dibromofluoromethane
 Concen: 52.669 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012470.D
 Acq: 02 Sep 2019 01:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.7	124.1
192	20.5	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

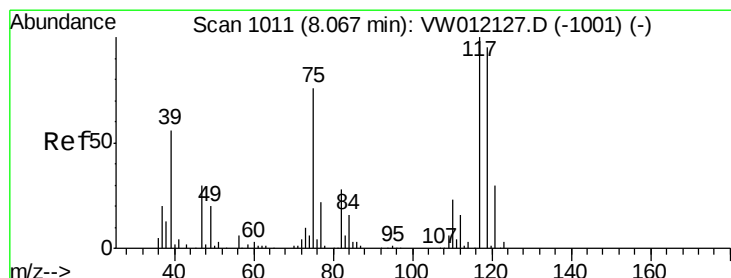
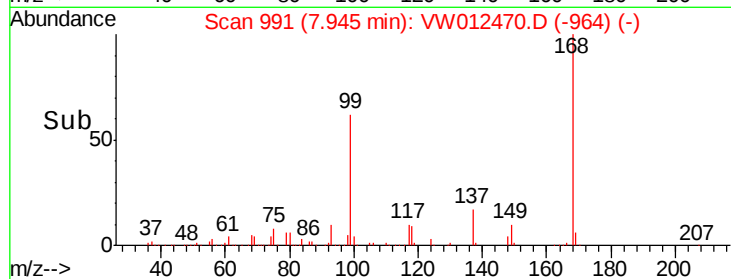
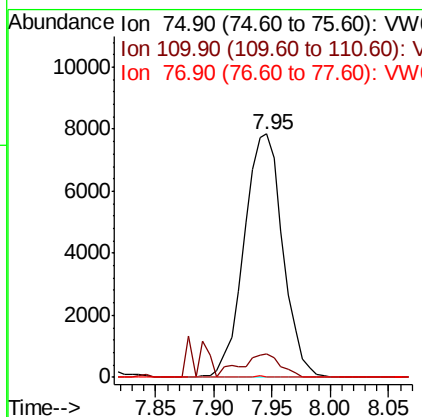
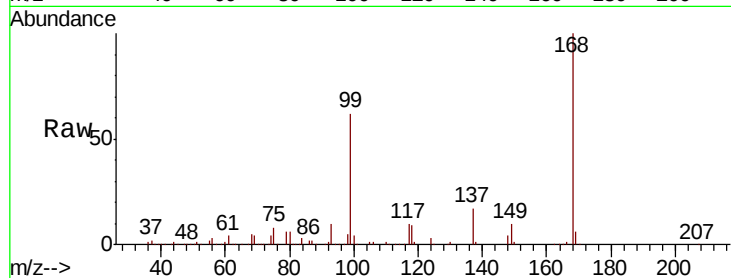




#36
 1,1-Dichloropropene
 Concen: 5.120 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012470.D
 Acq: 02 Sep 2019 01:59

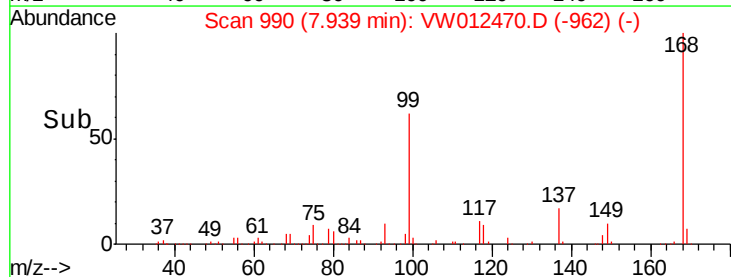
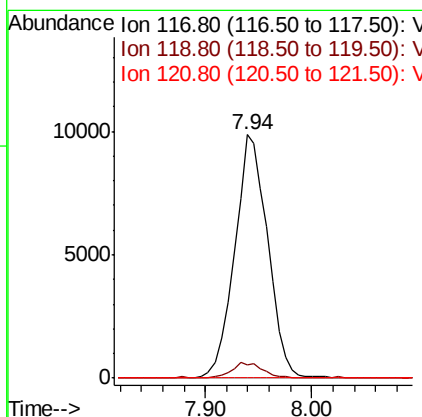
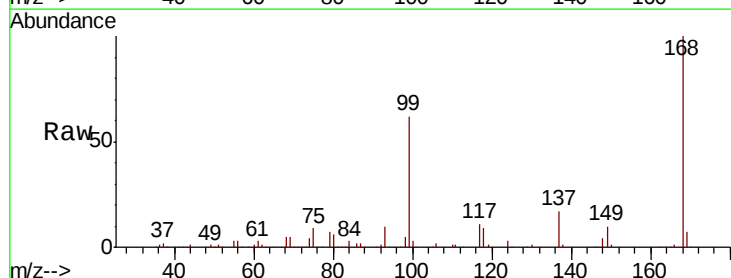
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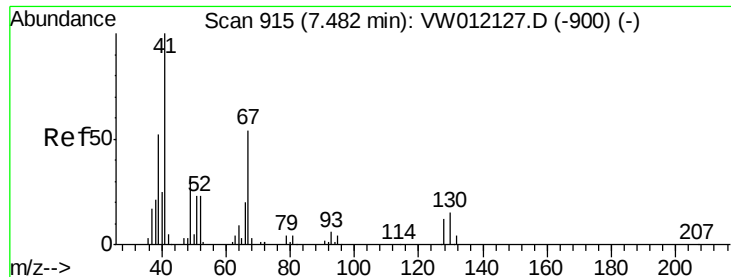
Tgt Ion: 75 Resp: 18109
 Ion Ratio Lower Upper
 75 100
 110 9.2 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.024 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012470.D
 Acq: 02 Sep 2019 01:59

Tgt Ion: 117 Resp: 21504
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.2 114.2#
 121 0.0 23.8 35.8#

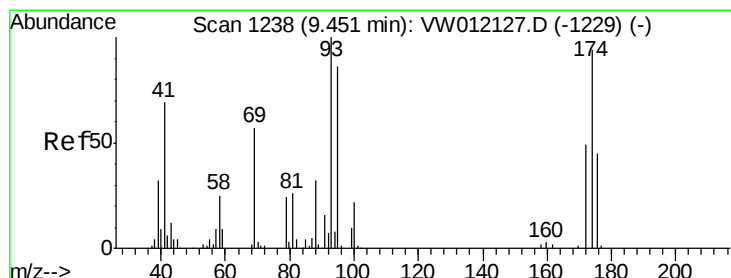
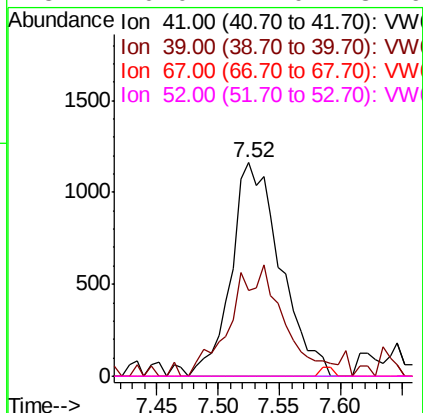
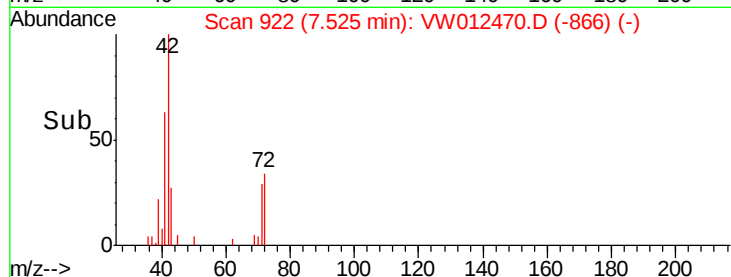
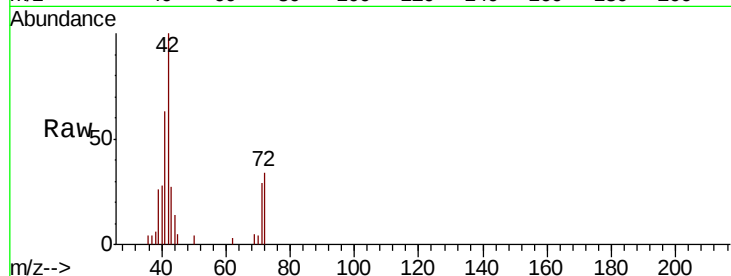




#41
Methacrylonitrile
Concen: 2.842 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW012470.D
Acq: 02 Sep 2019 01:59

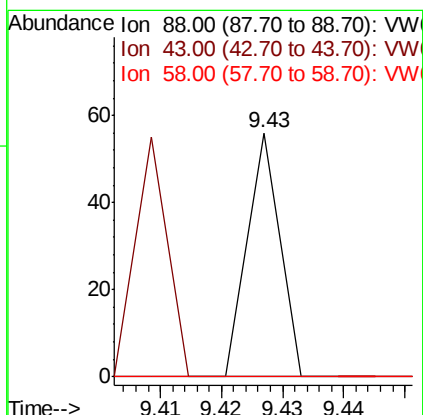
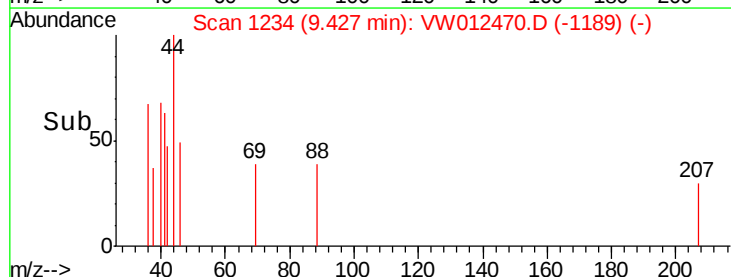
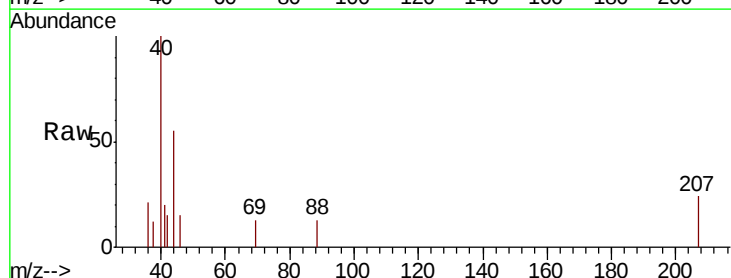
Instrument :
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T9-12-13-N4-(1.9)

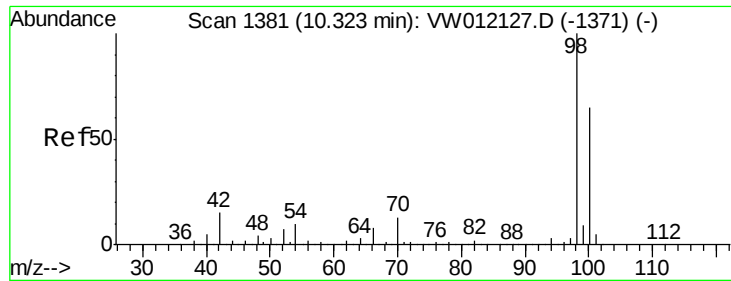
Tgt Ion:	41	Resp:	3238
Ion	Ratio	Lower	Upper
41	100		
39	59.0	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#49
1,4-Dioxane
Concen: 1.130 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.02 min
Lab File: VW012470.D
Acq: 02 Sep 2019 01:59

Tgt Ion:	88	Resp:	20
Ion	Ratio	Lower	Upper
88	100		
43	100.0	32.9	49.3#
58	0.0	71.0	106.4#





#50

Toluene-d8

Concen: 50.682 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012470.D

Acq: 02 Sep 2019 01:59

Instrument :

MSVOA_W

ClientSampleId :

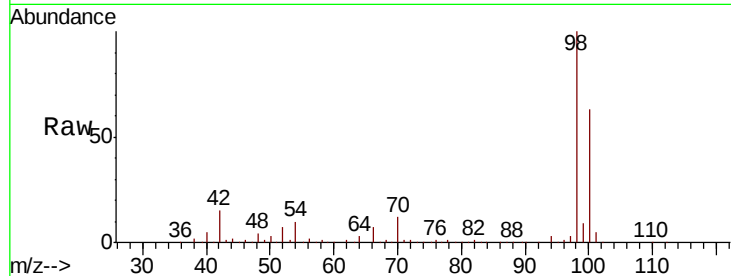
T9-12-13-N4-(1.9)

Tgt Ion: 98 Resp: 419840

Ion Ratio Lower Upper

98 100

100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

150000

100000

50000

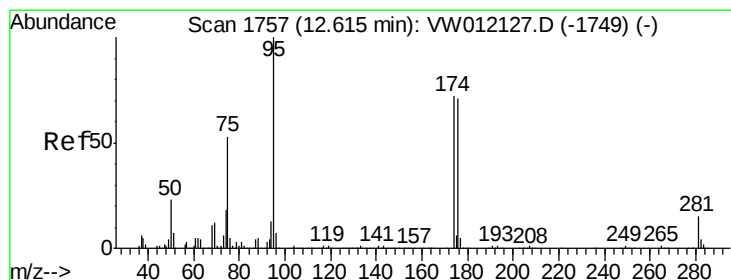
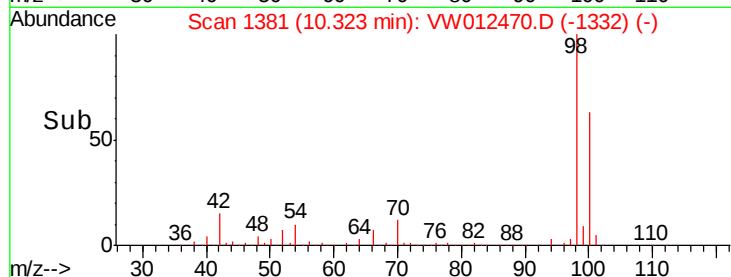
0

10.32

10.30

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 42.810 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012470.D

Acq: 02 Sep 2019 01:59

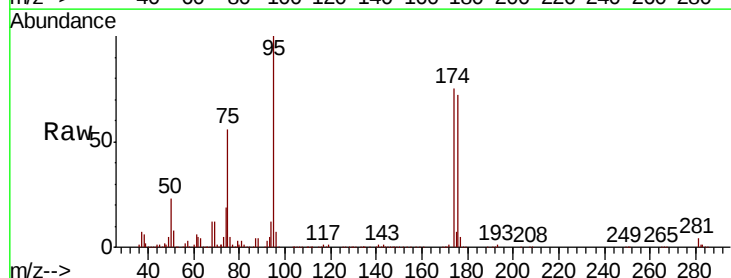
Tgt Ion: 95 Resp: 125007

Ion Ratio Lower Upper

95 100

174 76.8 0.0 150.8

176 75.1 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

100000

80000

60000

40000

20000

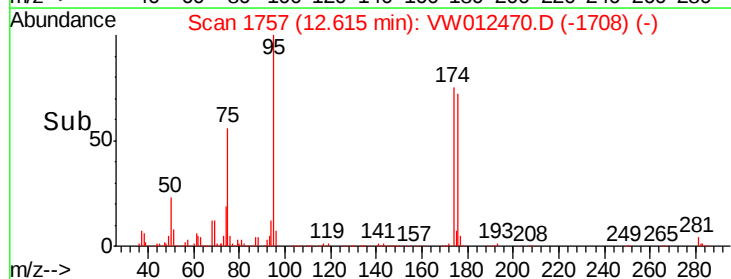
0

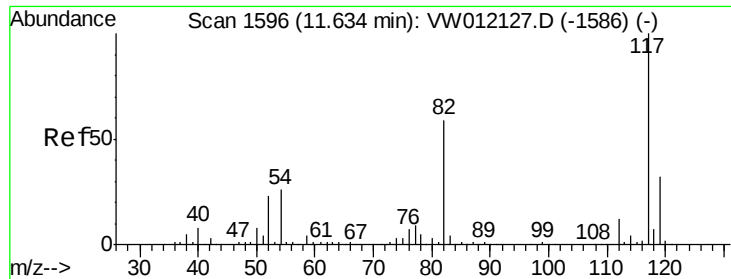
12.62

12.50

12.70

Time-->

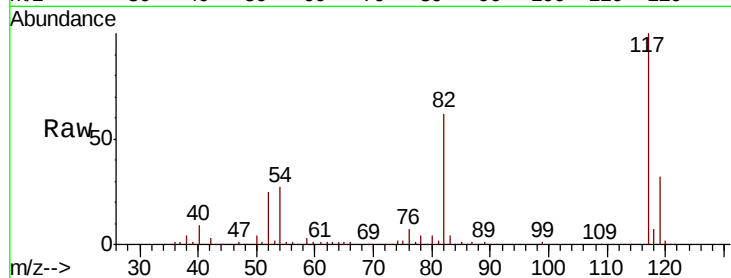




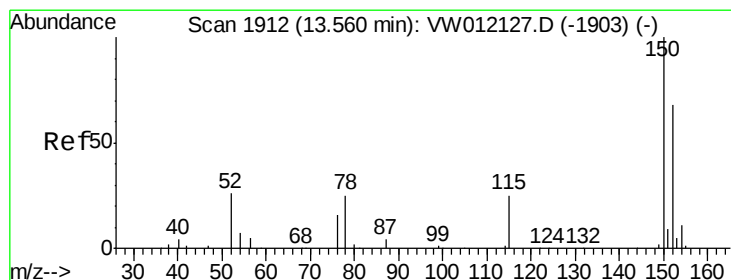
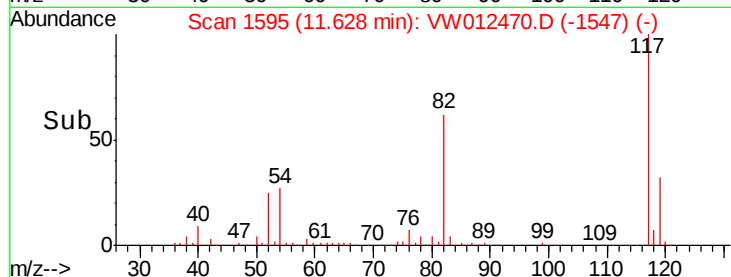
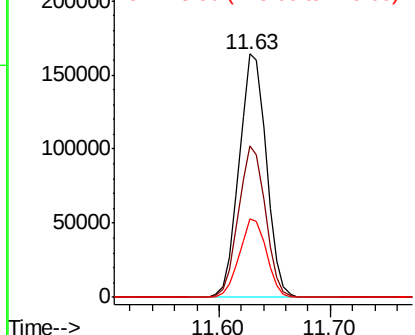
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012470.D
Acq: 02 Sep 2019 01:59

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-N4-(1.9)

Tgt Ion:117 Resp: 278453
Ion Ratio Lower Upper
117 100
82 62.1 47.4 71.2
119 32.0 25.4 38.2

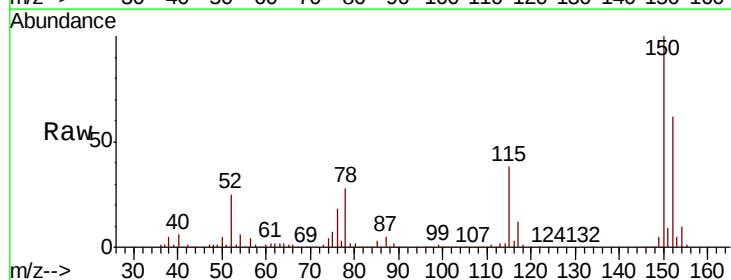


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

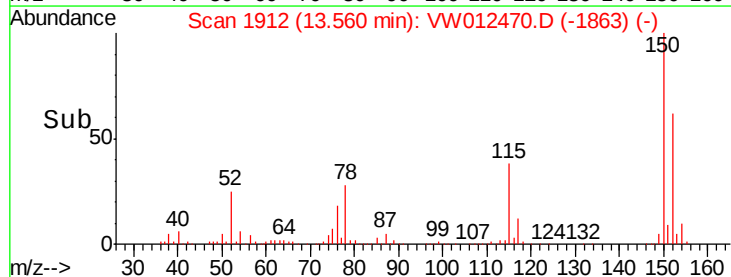
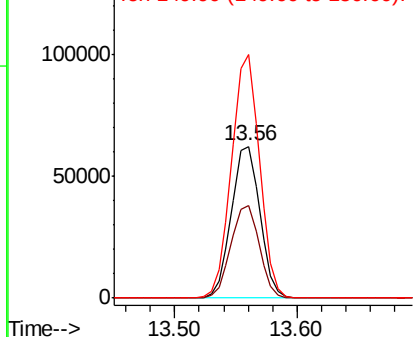


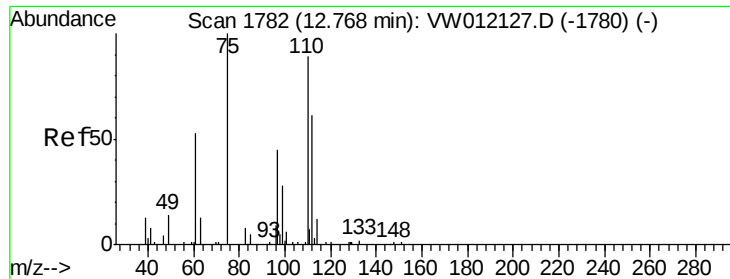
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012470.D
Acq: 02 Sep 2019 01:59

Tgt Ion:152 Resp: 100457
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.3
150 157.7 0.0 345.8



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

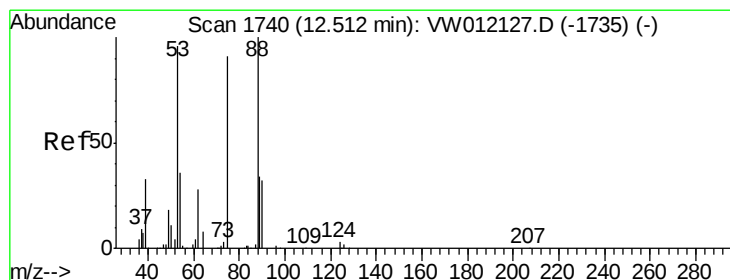
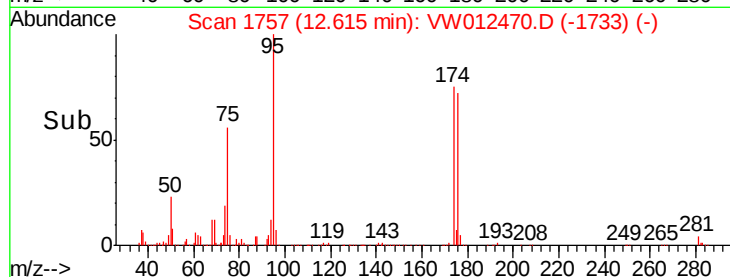
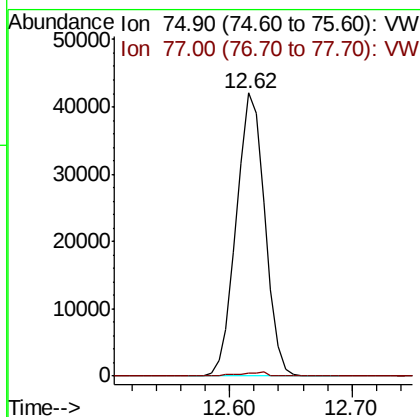
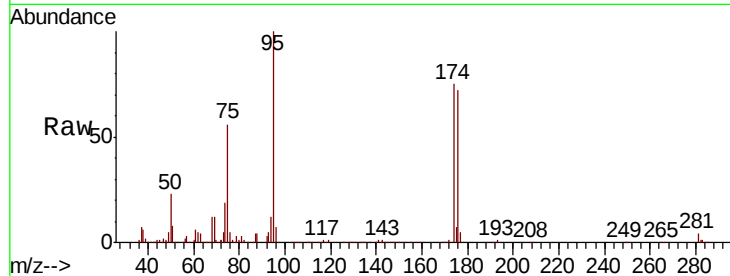




#76
 1,2,3-Trichloropropane
 Concen: 69.360 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012470.D
 Acq: 02 Sep 2019 01:59

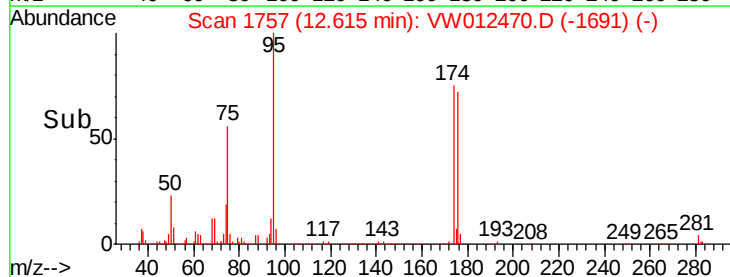
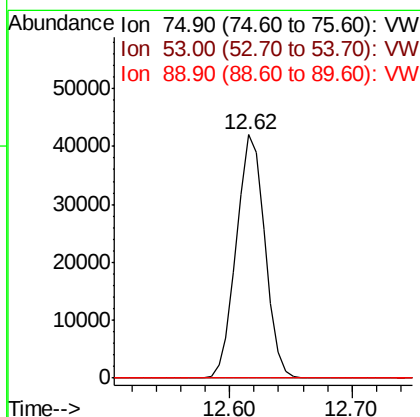
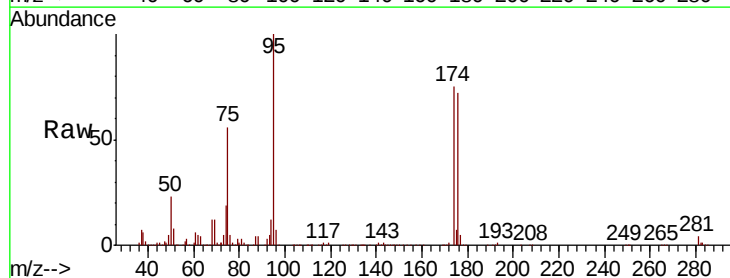
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-N4-(1.9)

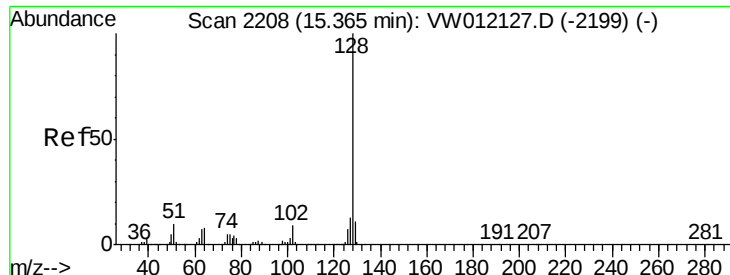
Tgt Ion: 75 Resp: 67860
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 152.073 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012470.D
 Acq: 02 Sep 2019 01:59

Tgt Ion: 75 Resp: 67860
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.4 134.0#
 89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.420 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012470.D

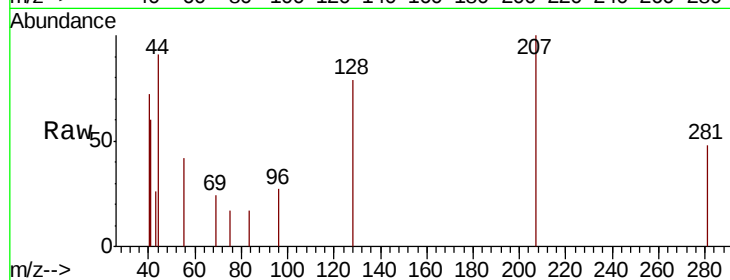
Acq: 02 Sep 2019 01:59

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-N4-(1.9)



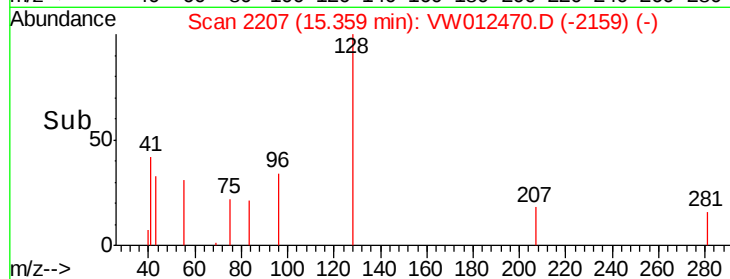
Tgt Ion:128 Resp: 412

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

