

Data File : VW012410.D
Acq On : 31 Aug 2019 19:26
Operator : SY/VA
Sample : K4493-05RE
Misc : 5.37G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-I(0)

Quant Time: Sep 01 03:33:32 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	205488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	122009	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	137517	56.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.60%	
35) Dibromofluoromethane	7.88	113	105603	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
50) Toluene-d8	10.32	98	421275	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.62	95	135377	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	

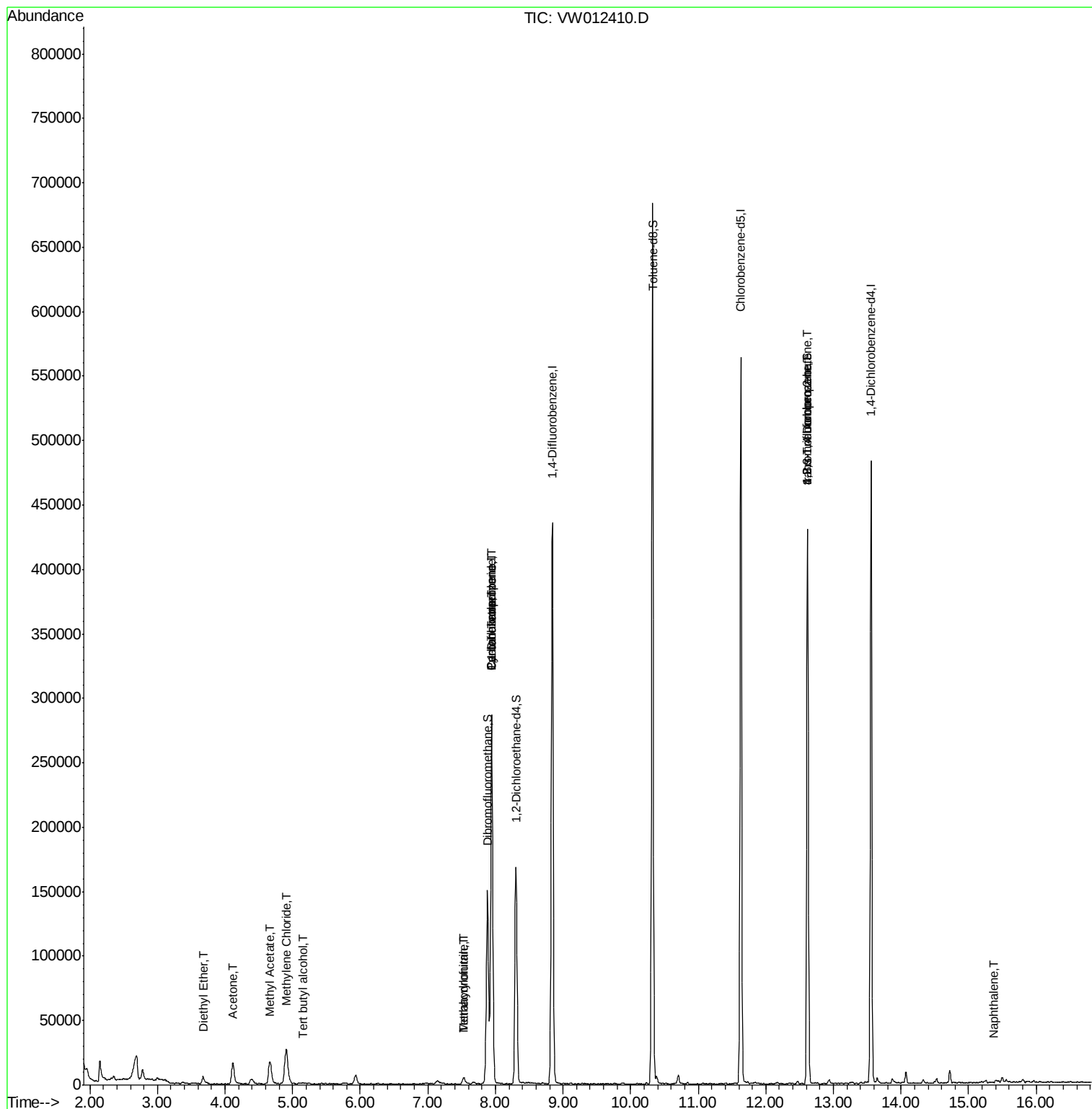
Target Compounds			Qvalue			
8) Diethyl Ether	3.68	74	2522	2.205	ug/l	99
11) Tert butyl alcohol	5.16	59	664	4.517	ug/l #	81
16) Acetone	4.11	43	30248	48.442	ug/l #	85
18) Methyl Acetate	4.67	43	37190	24.047	ug/l	96
20) Methylene Chloride	4.92	84	19565	8.288	ug/l	92
29) Tetrahydrofuran	7.54	42	4571	8.979	ug/l	95
31) Cyclohexane	7.95	56	5329	1.211	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18037	5.150	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21253	7.011	ug/l #	18
41) Methacrylonitrile	7.53	41	2789	2.473	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	75086	63.189	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75086	138.544	ug/l #	6
95) Naphthalene	15.37	128	132	4.347	ug/l #	69

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

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Quant Title : SW846 8260
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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: VW012410.D

Acq: 31 Aug 2019 19:26

Instrument :

MSVOA_W

ClientSampled :

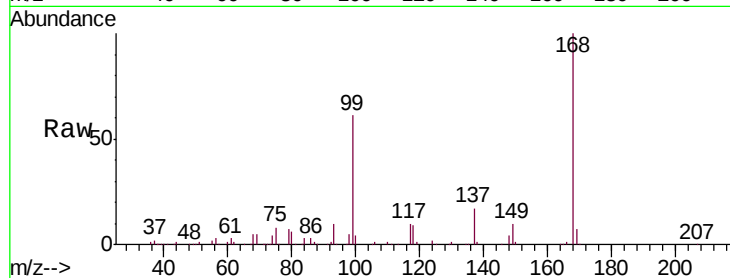
T9-12-13-I(0)

Tgt Ion:168 Resp: 205488

Ion Ratio Lower Upper

168 100

99 60.6 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

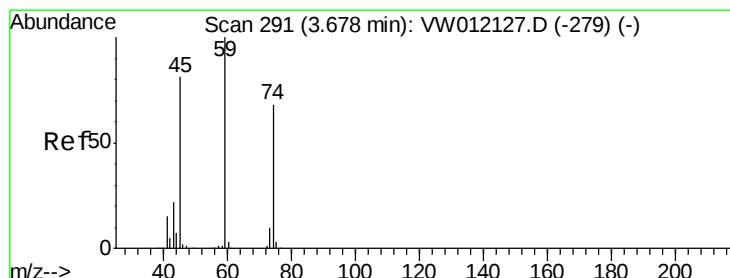
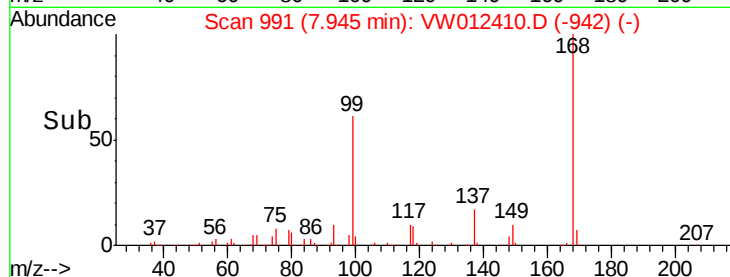
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.205 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012410.D

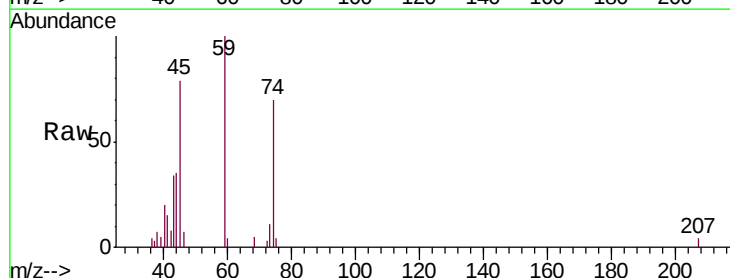
Acq: 31 Aug 2019 19:26

Tgt Ion: 74 Resp: 2522

Ion Ratio Lower Upper

74 100

45 119.0 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

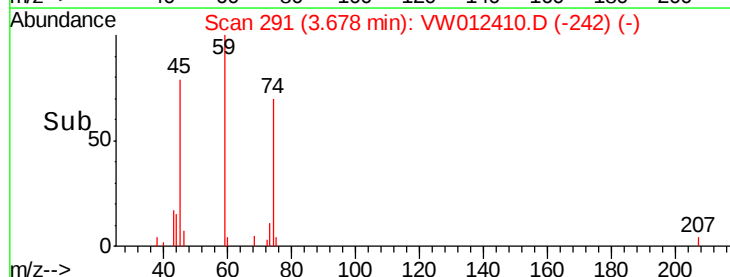
1500

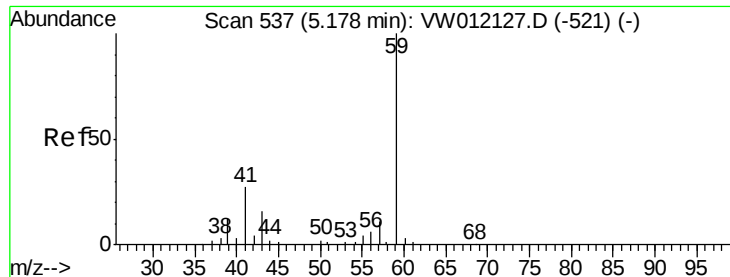
1000

500

0

Time--> 3.60 3.65 3.70 3.75

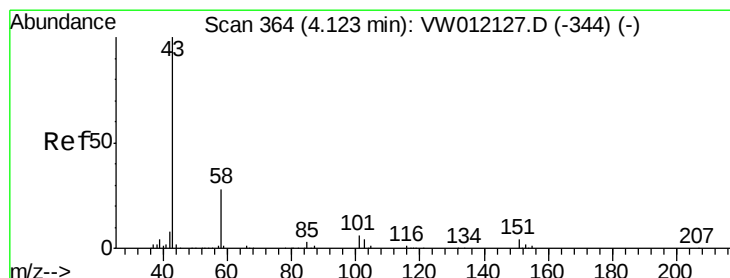
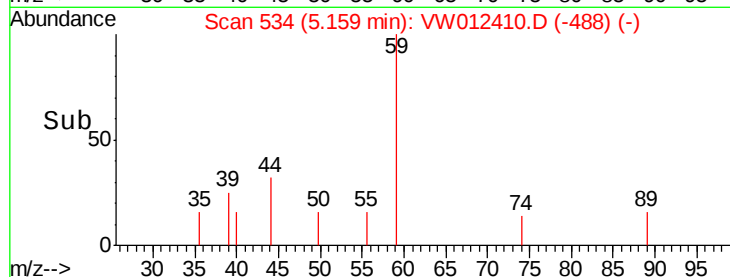
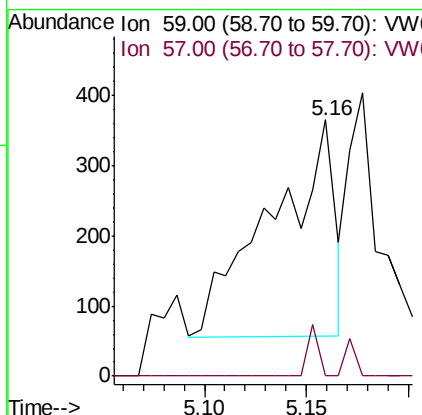
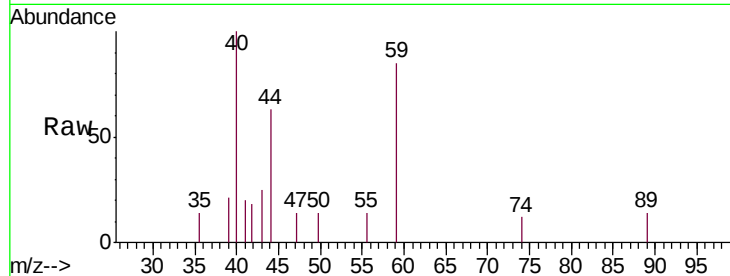




#11
Tert butyl alcohol
Concen: 4.517 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW012410.D
Acq: 31 Aug 2019 19:26

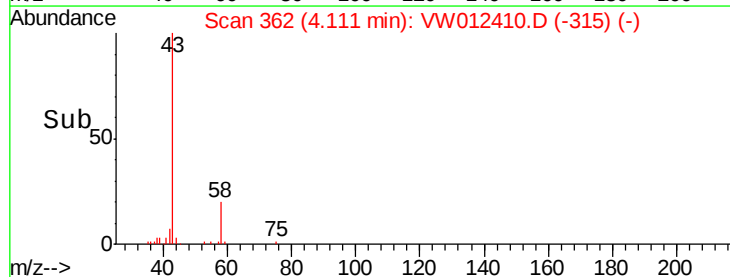
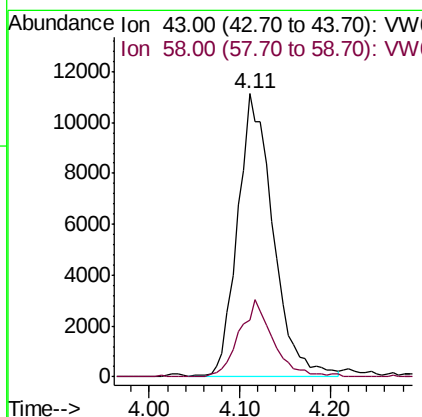
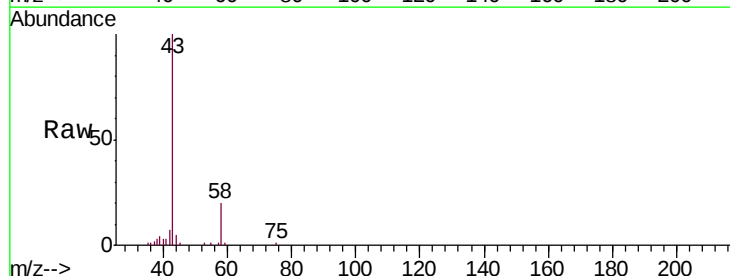
Instrument :
MSVOA_W
ClientSampled :
T9-12-13-I(0)

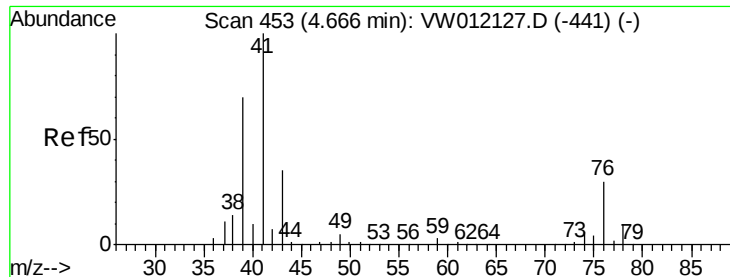
Tgt Ion: 59 Resp: 664
Ion Ratio Lower Upper
59 100
57 4.1 9.0 13.4#



#16
Acetone
Concen: 48.442 ug/l
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW012410.D
Acq: 31 Aug 2019 19:26

Tgt Ion: 43 Resp: 30248
Ion Ratio Lower Upper
43 100
58 20.2 22.4 33.6#

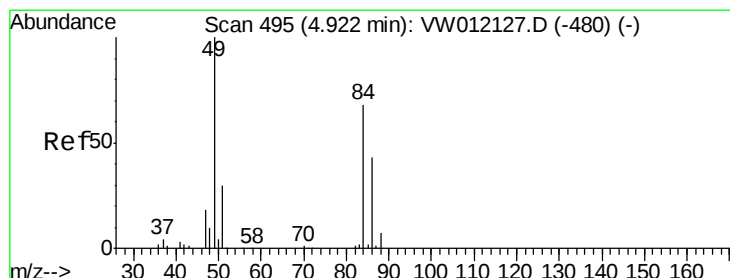
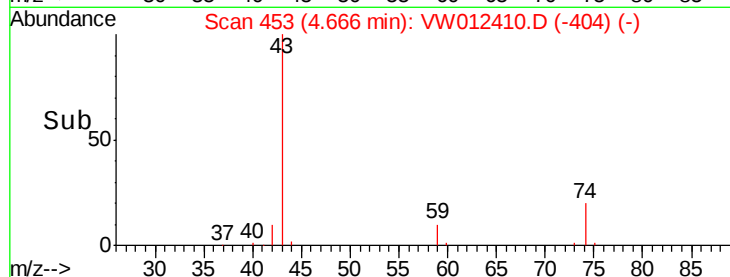
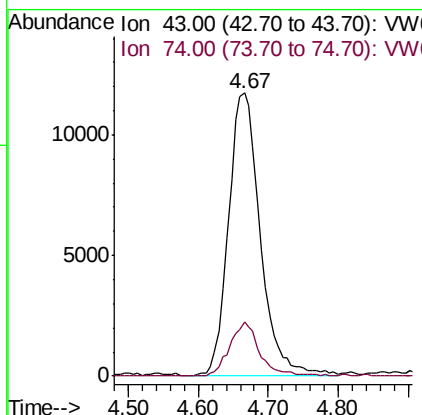
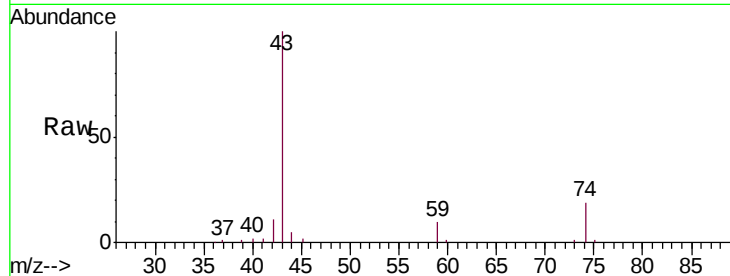




#18
Methyl Acetate
Concen: 24.047 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012410.D
Acq: 31 Aug 2019 19:26

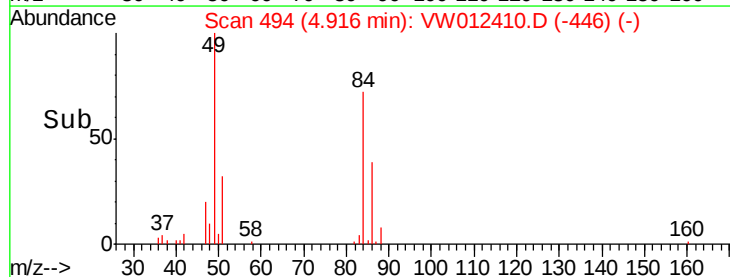
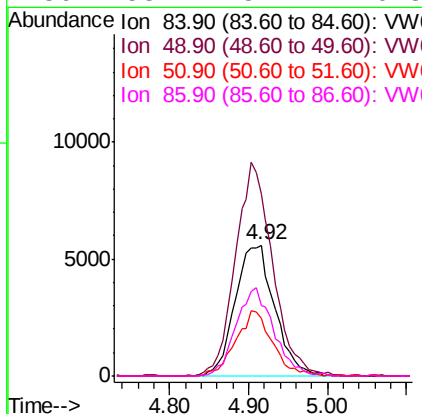
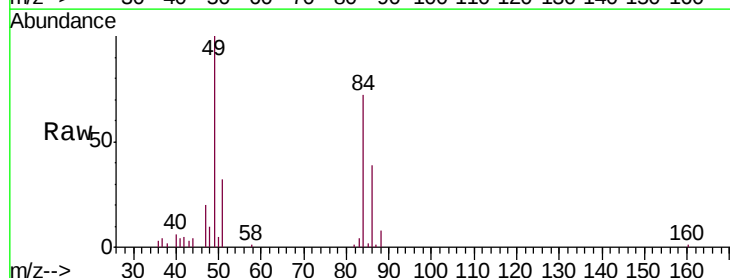
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-I-(0)

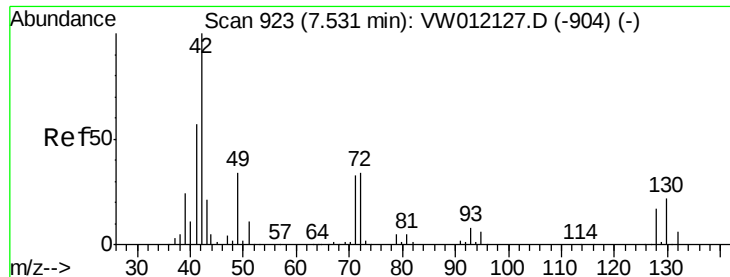
Tgt Ion: 43 Resp: 37190
Ion Ratio Lower Upper
43 100
74 17.6 15.7 23.5



#20
Methylene Chloride
Concen: 8.288 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012410.D
Acq: 31 Aug 2019 19:26

Tgt Ion: 84 Resp: 19565
Ion Ratio Lower Upper
84 100
49 138.2 117.8 176.8
51 44.0 35.6 53.4
86 53.7 51.2 76.8





#29

Tetrahydrofuran

Concen: 8.979 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012410.D

Acq: 31 Aug 2019 19:26

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-I-(0)

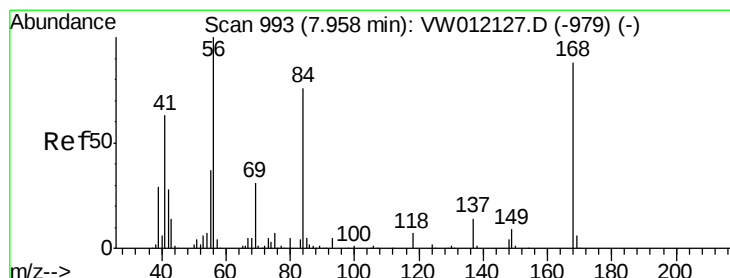
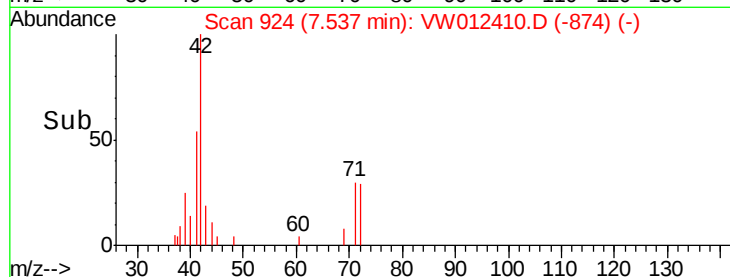
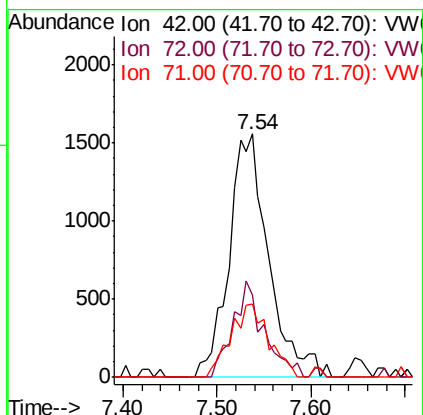
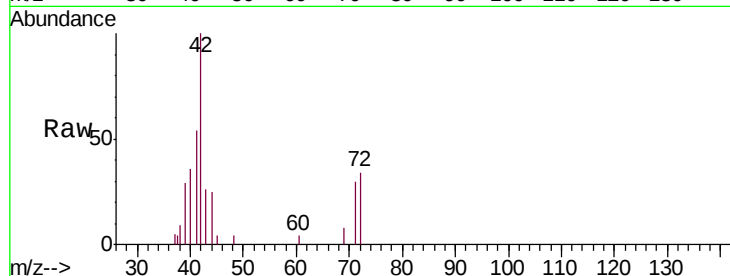
Tgt Ion: 42 Resp: 4571

Ion Ratio Lower Upper

42 100

72 31.2 27.3 40.9

71 29.0 25.5 38.3



#31

Cyclohexane

Concen: 1.211 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012410.D

Acq: 31 Aug 2019 19:26

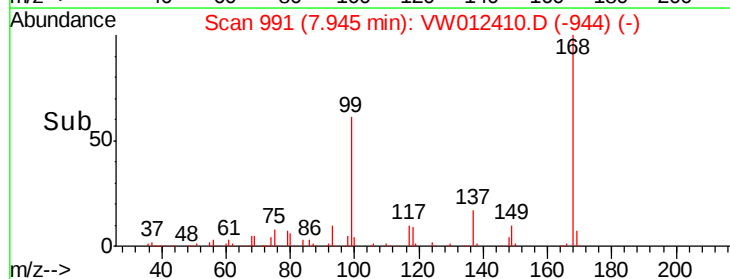
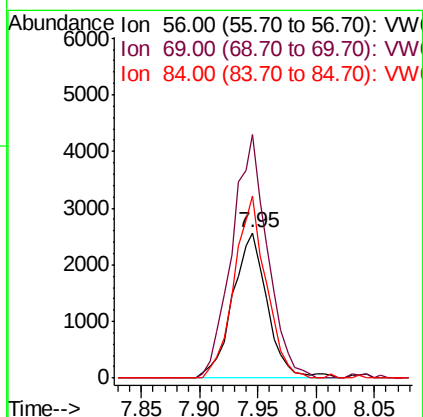
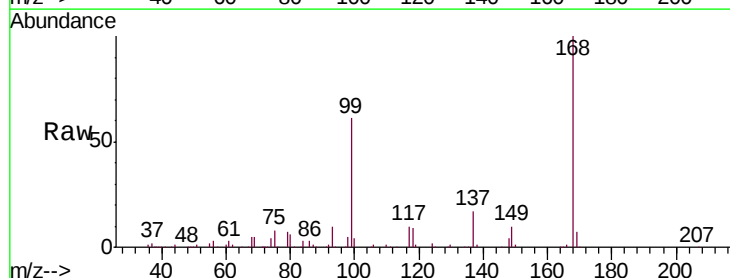
Tgt Ion: 56 Resp: 5329

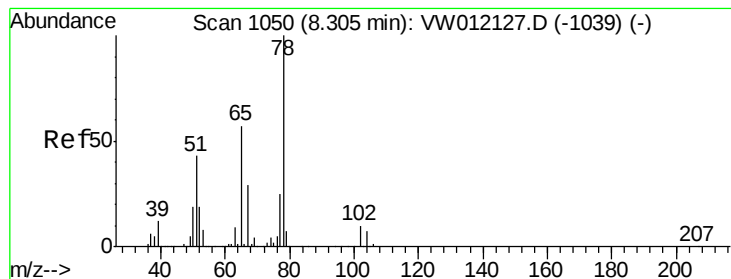
Ion Ratio Lower Upper

56 100

69 167.9 24.9 37.3#

84 125.3 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 56.296 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012410.D

Acq: 31 Aug 2019 19:26

Instrument :

MSVOA_W

ClientSampleId :

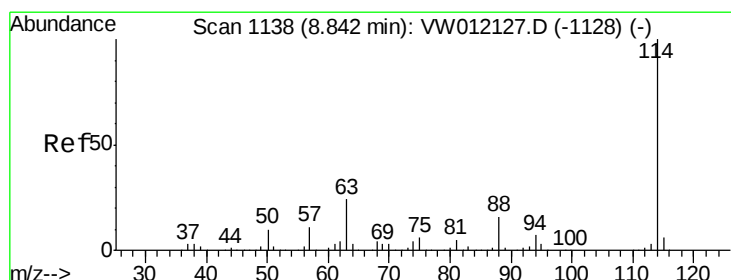
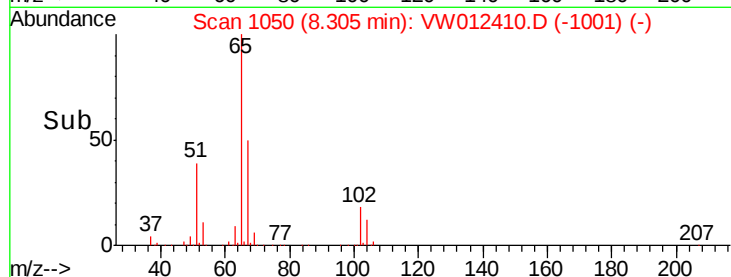
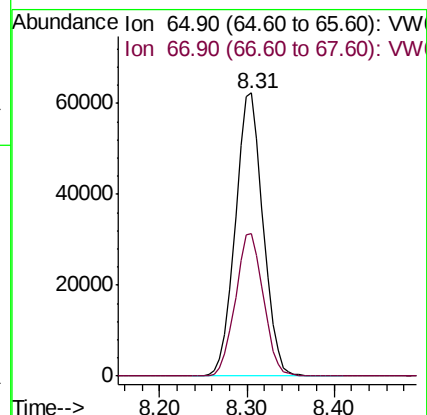
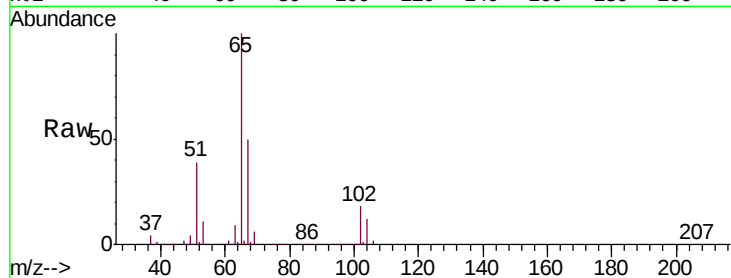
T9-12-13-I(0)

Tgt Ion: 65 Resp: 137517

Ion Ratio Lower Upper

65 100

67 50.9 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: VW012410.D

Acq: 31 Aug 2019 19:26

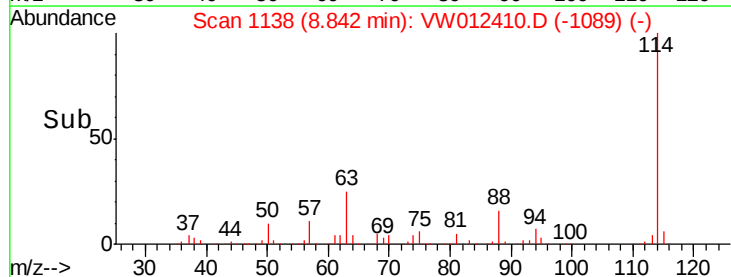
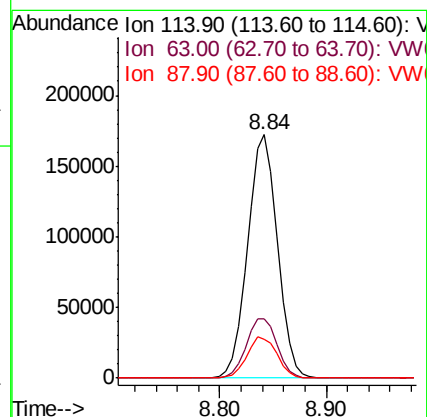
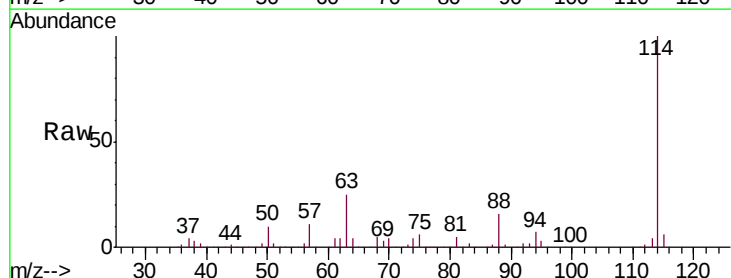
Tgt Ion: 114 Resp: 338898

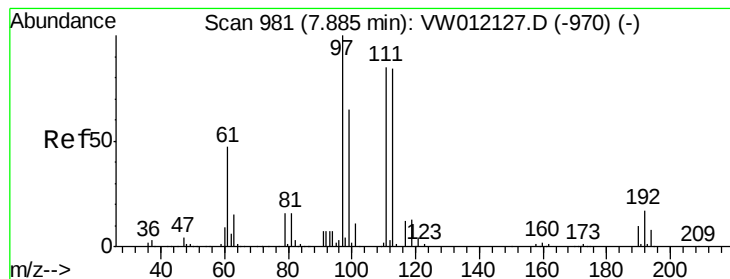
Ion Ratio Lower Upper

114 100

63 24.5 0.0 48.6

88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.204 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012410.D

Acq: 31 Aug 2019 19:26

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-I(0)

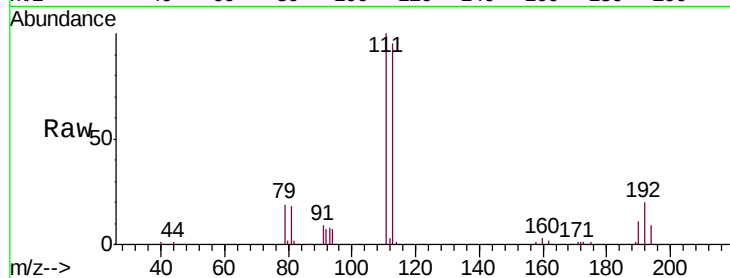
Tgt Ion:113 Resp: 105603

Ion Ratio Lower Upper

113 100

111 103.9 82.7 124.1

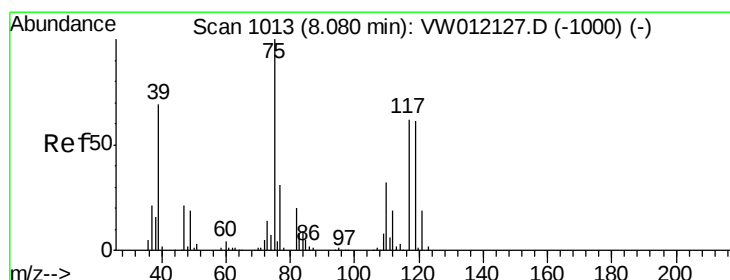
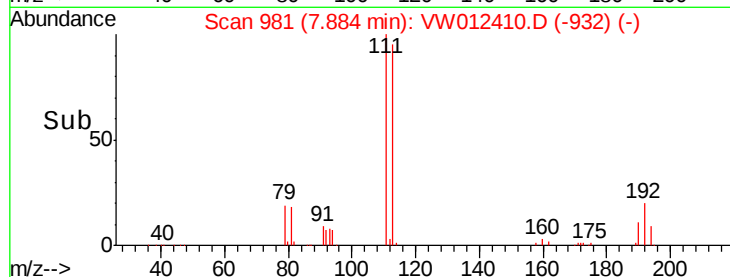
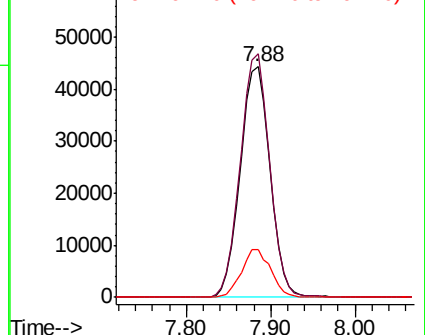
192 20.2 16.2 24.2



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: 5.150 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012410.D

Acq: 31 Aug 2019 19:26

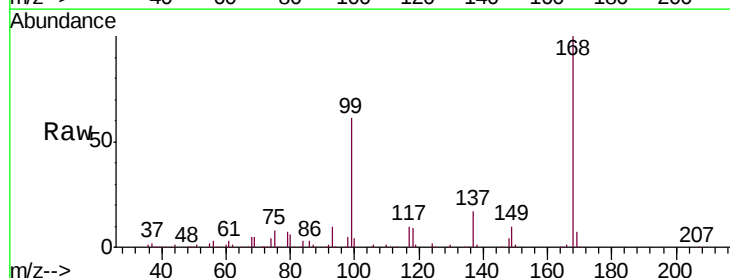
Tgt Ion: 75 Resp: 18037

Ion Ratio Lower Upper

75 100

110 9.0 15.6 46.8#

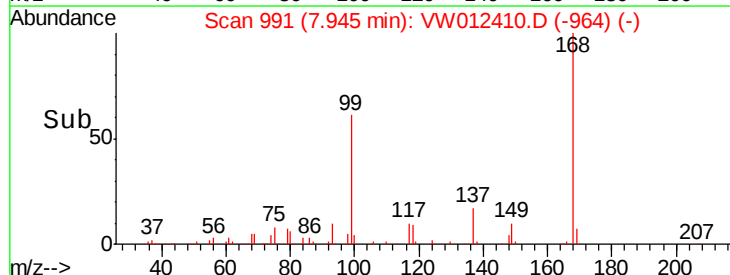
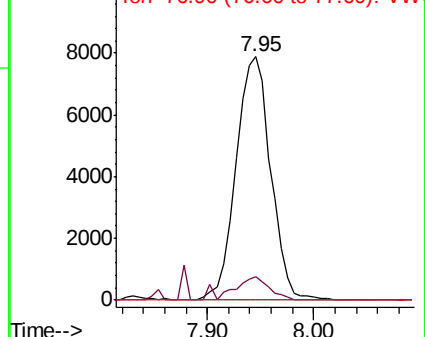
77 0.0 24.6 36.8#

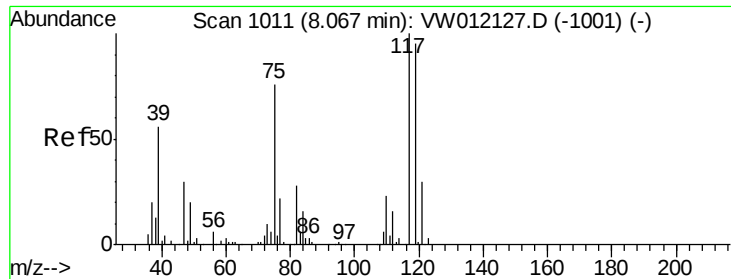


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.011 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012410.D

Acq: 31 Aug 2019 19:26

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-I-(0)

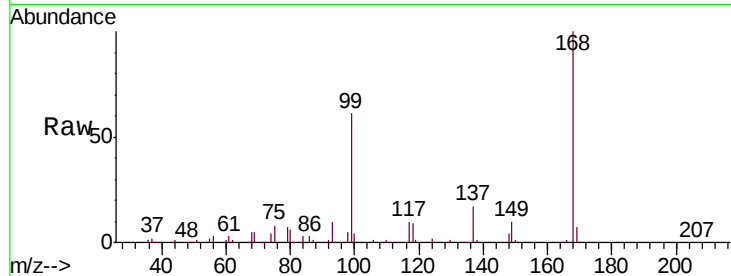
Tgt Ion:117 Resp: 21253

Ion Ratio Lower Upper

117 100

119 7.2 76.2 114.2#

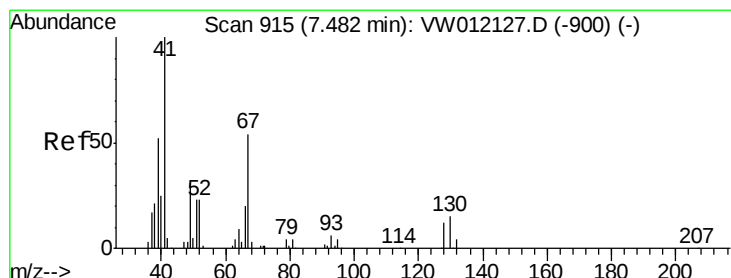
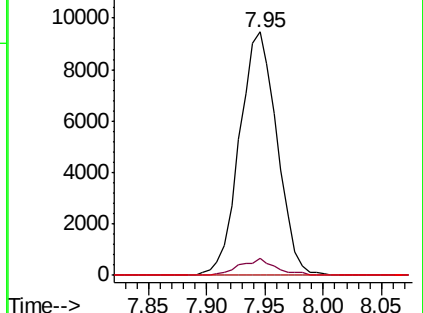
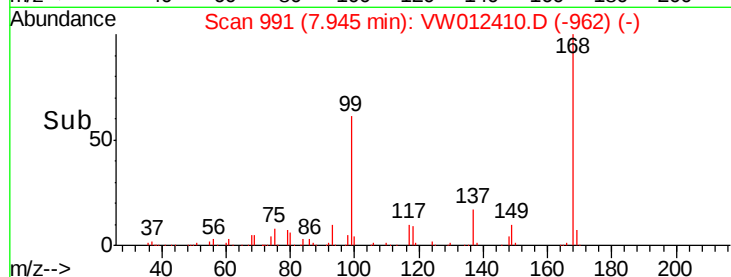
121 0.0 23.8 35.8#



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: 2.473 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012410.D

Acq: 31 Aug 2019 19:26

Tgt Ion: 41 Resp: 2789

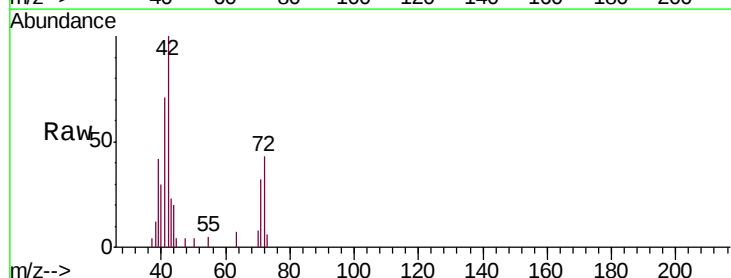
Ion Ratio Lower Upper

41 100

39 60.8 45.8 68.8

67 0.0 46.2 69.4#

52 0.9 21.0 31.6#

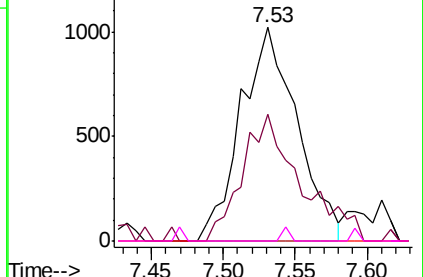
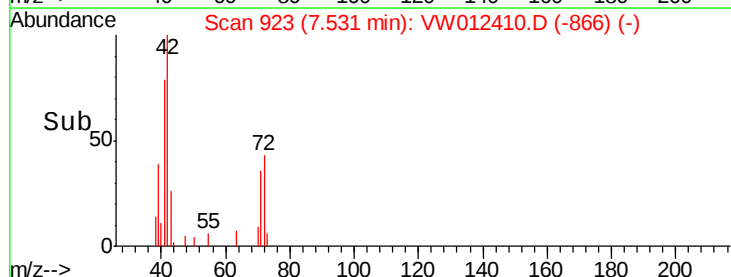


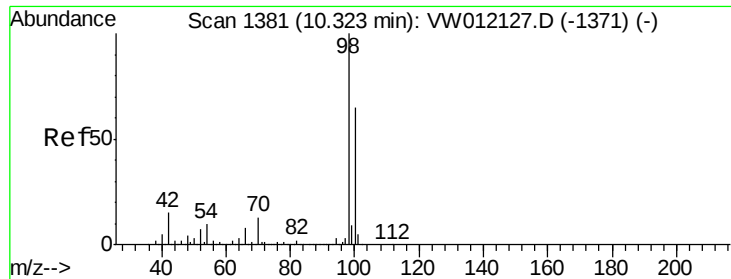
Abundance Ion 41.00 (40.70 to 41.70): VW

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

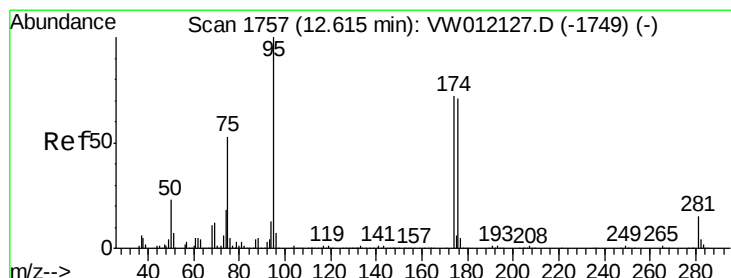
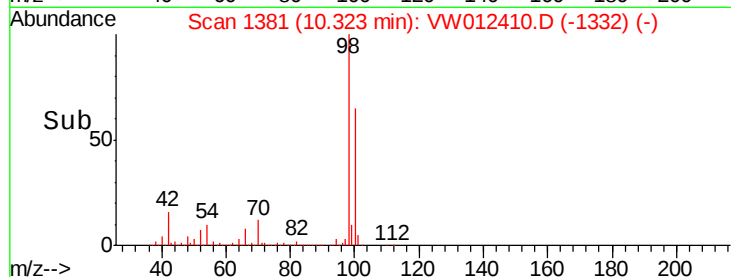
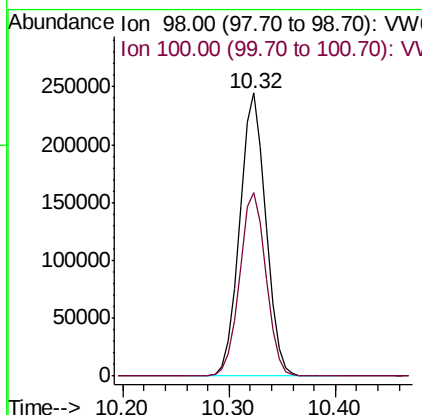
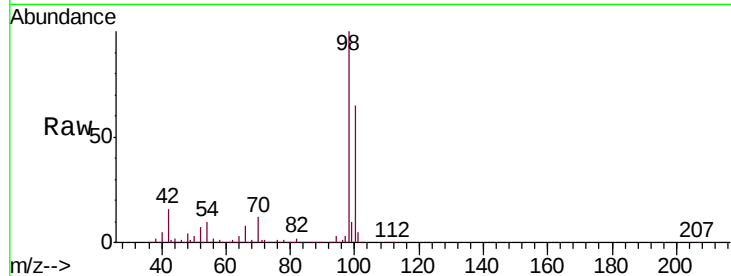




#50
Toluene-d8
Concen: 51.361 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012410.D
Acq: 31 Aug 2019 19:26

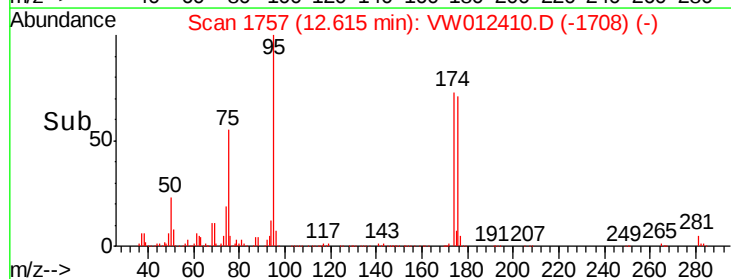
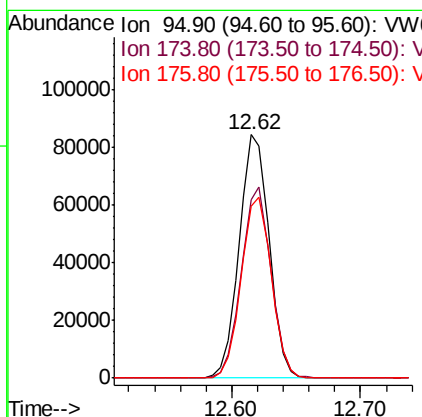
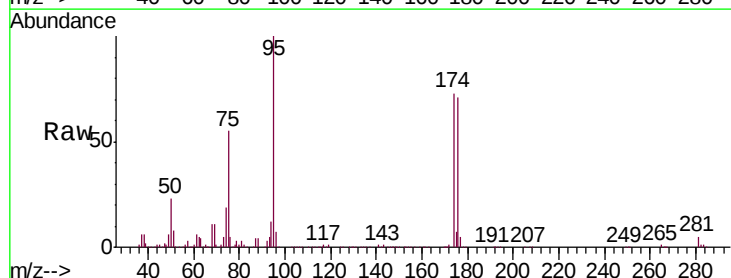
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-I-(0)

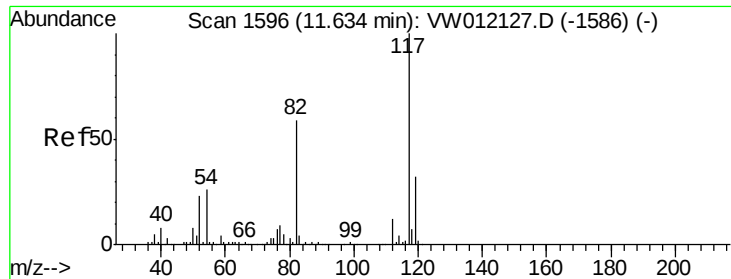
Tgt Ion: 98 Resp: 421275
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.822 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012410.D
Acq: 31 Aug 2019 19:26

Tgt Ion: 95 Resp: 135377
Ion Ratio Lower Upper
95 100
174 77.7 0.0 150.8
176 74.9 0.0 148.6

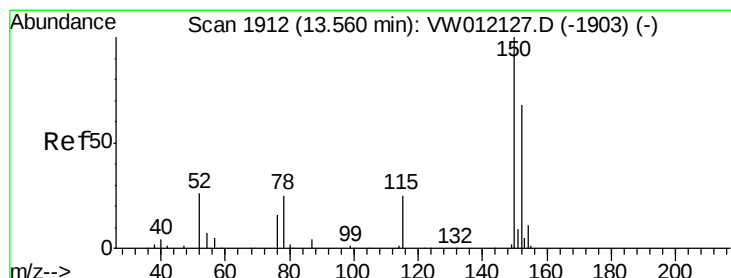
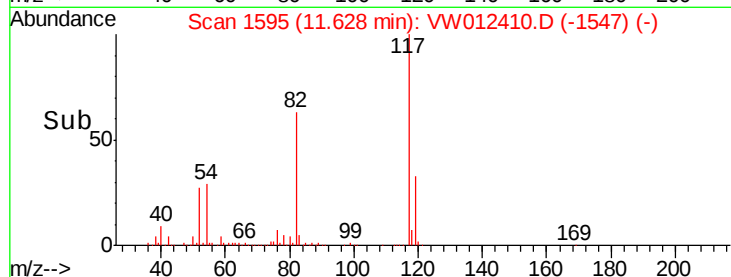
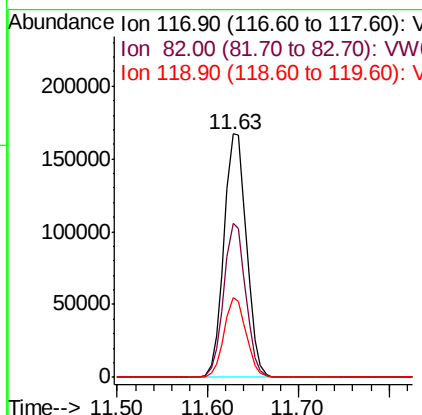
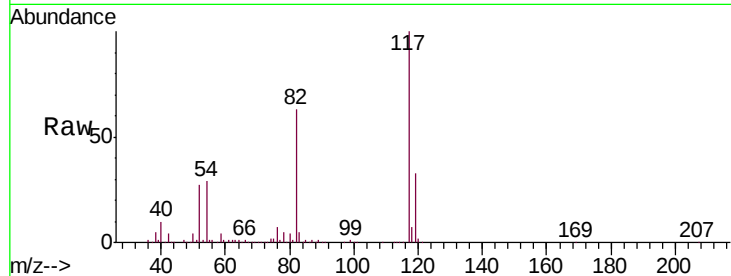




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012410.D
Acq: 31 Aug 2019 19:26

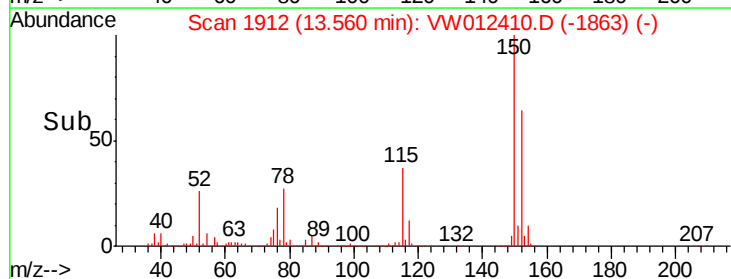
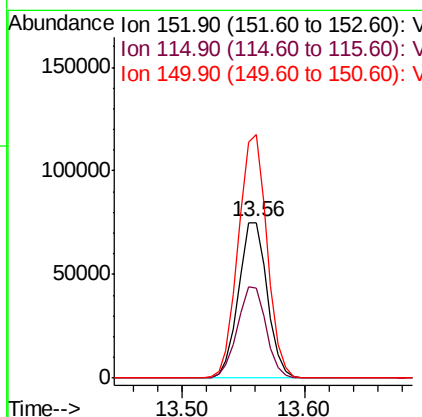
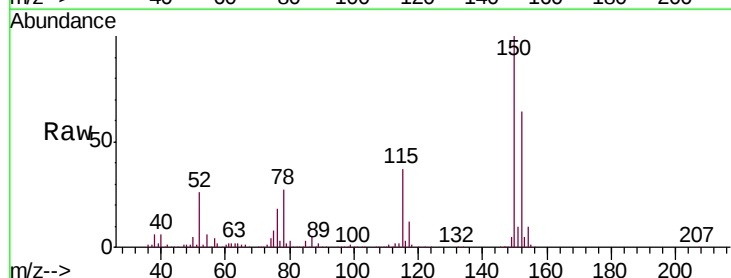
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-I-(0)

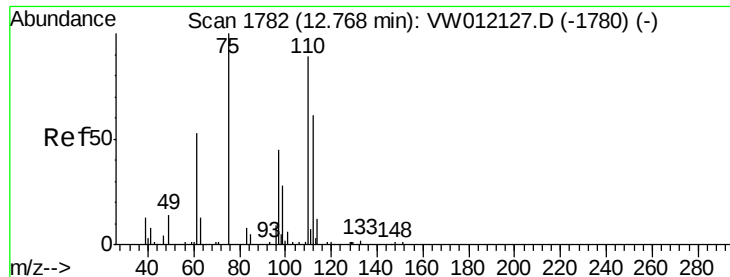
Tgt Ion	Ratio	Lower	Upper
117	100		
82	63.4	47.4	71.2
119	32.9	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012410.D
Acq: 31 Aug 2019 19:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.1	90.3
150	156.3	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 63.189 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012410.D

Acq: 31 Aug 2019 19:26

Instrument :

MSVOA_W

ClientSampled :

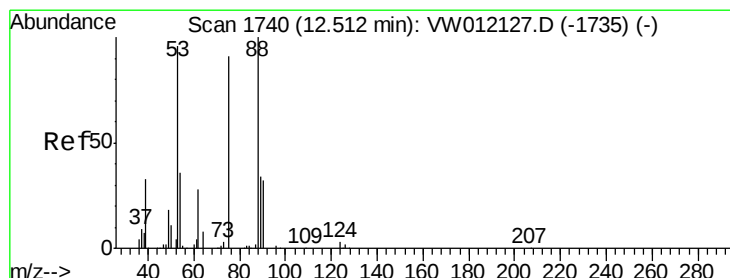
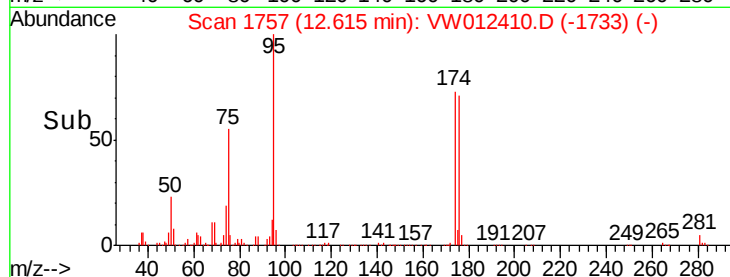
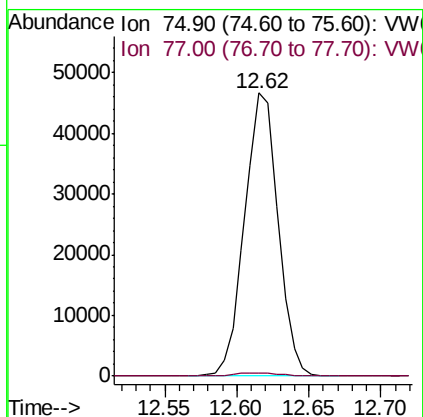
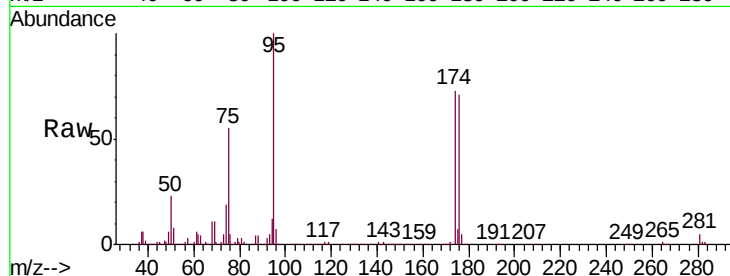
T9-12-13-I(0)

Tgt Ion: 75 Resp: 75086

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.544 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012410.D

Acq: 31 Aug 2019 19:26

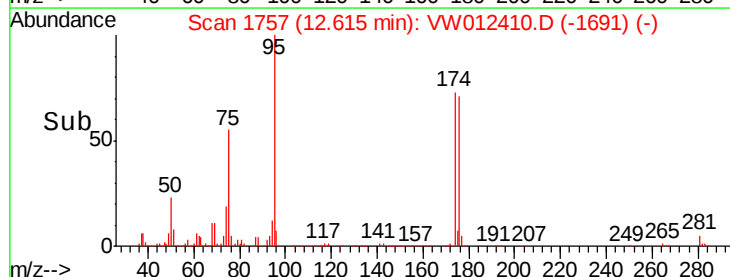
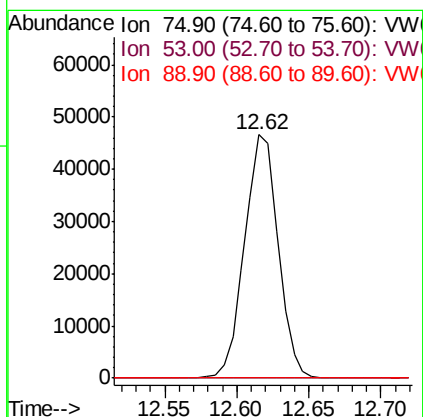
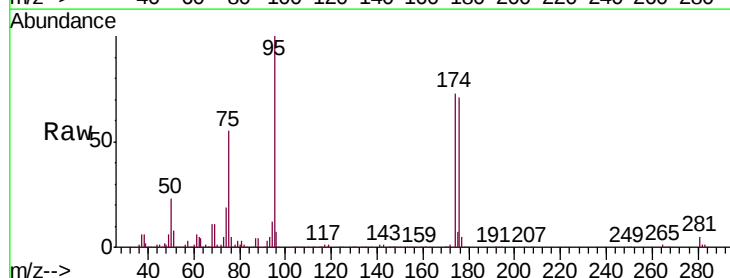
Tgt Ion: 75 Resp: 75086

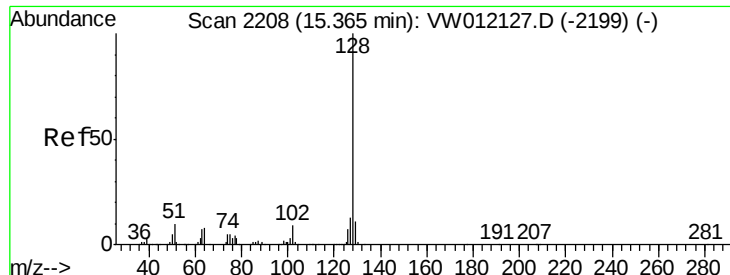
Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

89 0.2 34.5 51.7#

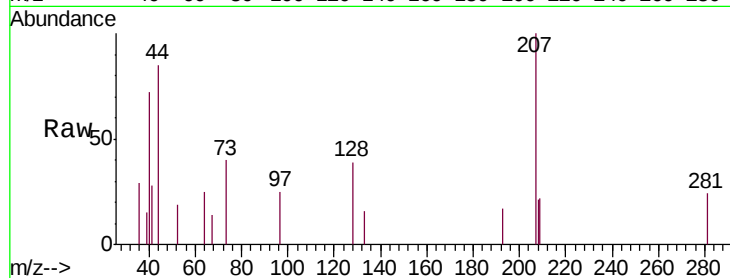




#95
Naphthalene
Concen: 4.347 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012410.D
Acq: 31 Aug 2019 19:26

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-I-(0)

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

