

Data File : VW012185.D
Acq On : 26 Aug 2019 21:40
Operator : SY/VA
Sample : K4472-02
Misc : 5.28G/5ML/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-S1-(2.5)

Quant Time: Aug 27 04:59:58 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	211864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	111395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	139265	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
35) Dibromofluoromethane	7.88	113	110044	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
50) Toluene-d8	10.32	98	443139	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.62	95	174579	57.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.30%	

Target Compounds

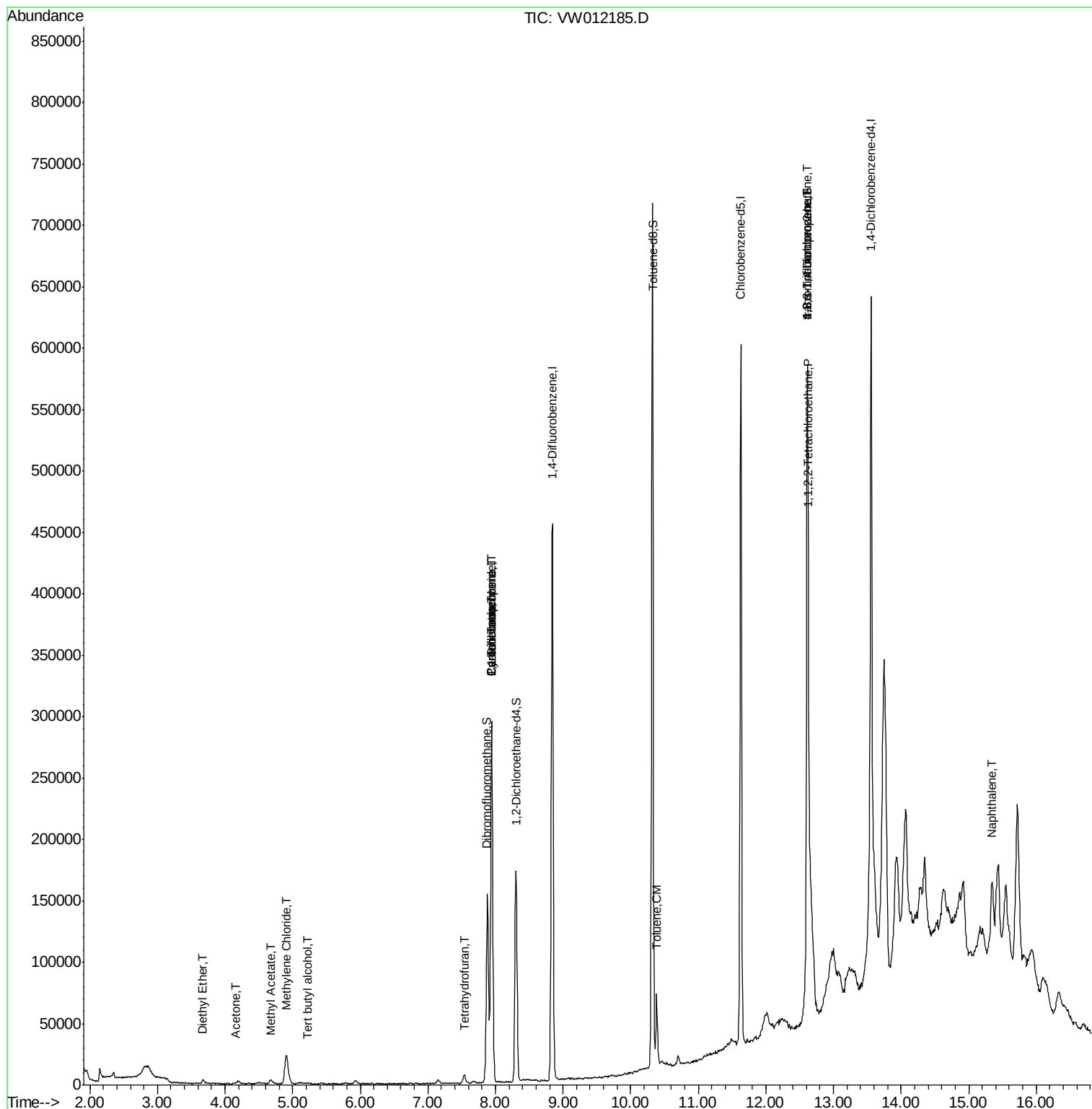
						Qvalue
8) Diethyl Ether	3.67	74	1598	1.355	ug/l	53
11) Tert butyl alcohol	5.22	59	854	5.635	ug/l #	71
16) Acetone	4.15	43	898	1.395	ug/l	100
18) Methyl Acetate	4.68	43	6335	3.973	ug/l	94
20) Methylene Chloride	4.91	84	18234	7.492	ug/l	94
29) Tetrahydrofuran	7.54	42	6073	11.571	ug/l	100
31) Cyclohexane	7.94	56	5490	1.210	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18276	4.939	ug/l #	53
38) Carbon Tetrachloride	7.94	117	22710	7.091	ug/l #	17
52) Toluene	10.38	92	22440	3.697	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.63	83	21898	14.310	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	72750	67.056	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72750	147.024	ug/l #	6
95) Naphthalene	15.35	128	511	4.432	ug/l #	84

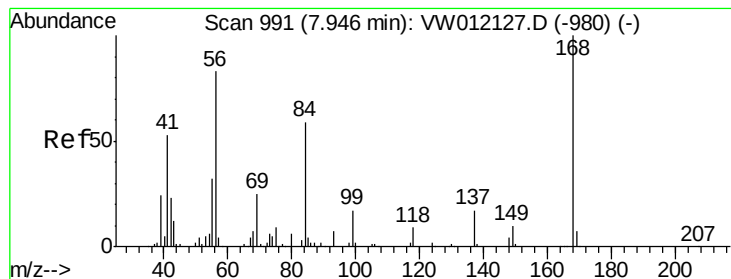
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

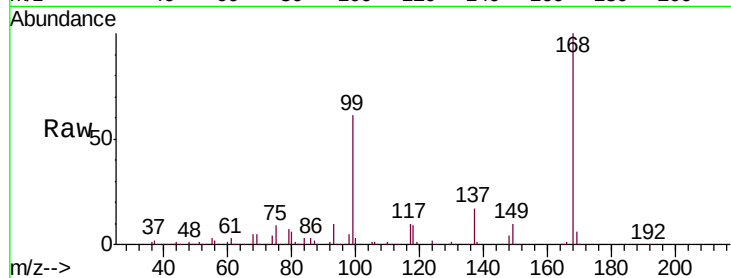
T1-S1-(2.5)

Tgt Ion:168 Resp: 211864

Ion Ratio Lower Upper

168 100

99 61.2 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

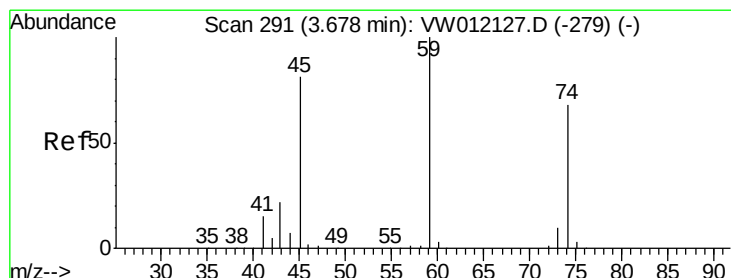
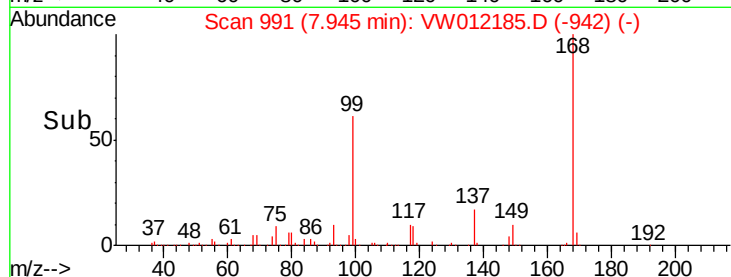
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.355 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012185.D

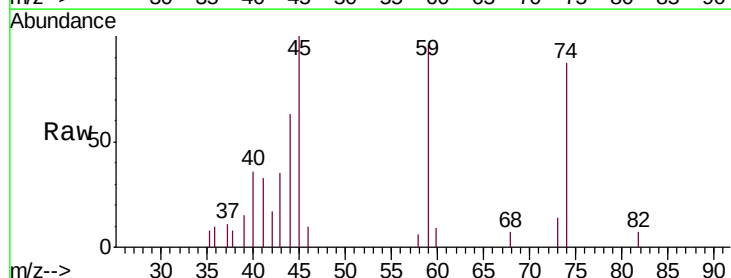
Acq: 26 Aug 2019 21:40

Tgt Ion: 74 Resp: 1598

Ion Ratio Lower Upper

74 100

45 170.2 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

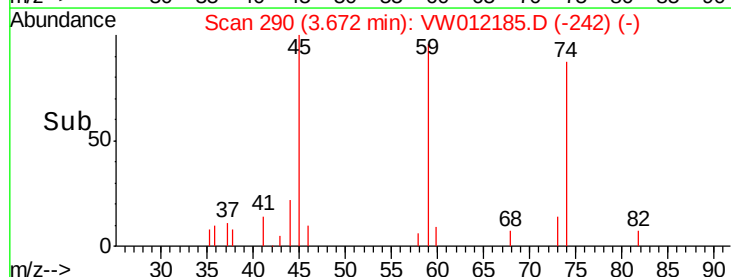
600

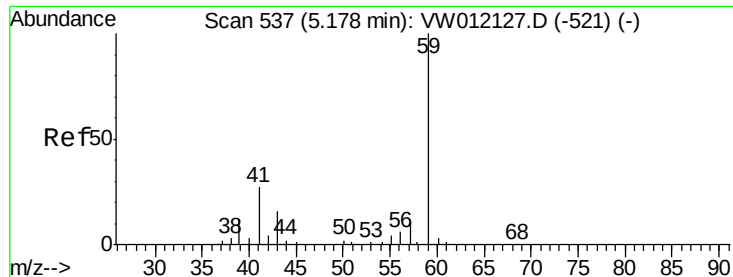
400

200

0

Time--> 3.60 3.65 3.70 3.75

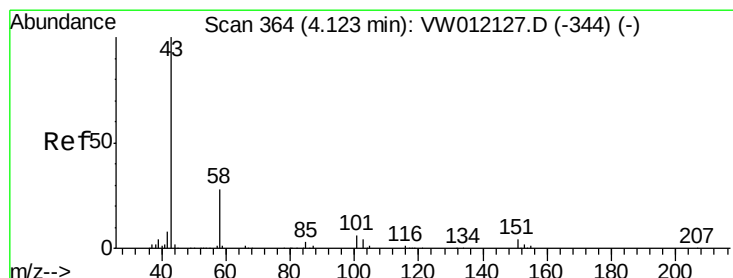
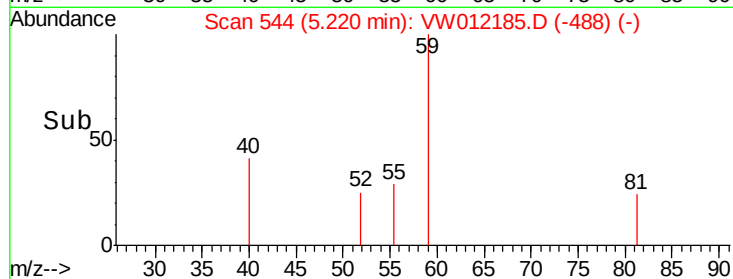
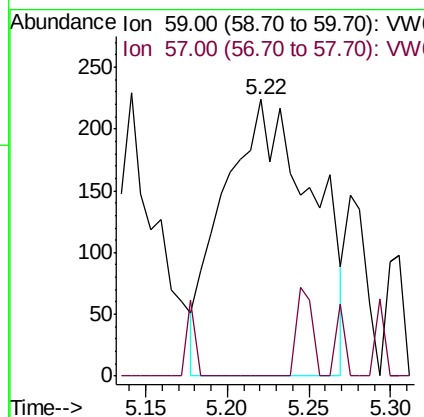
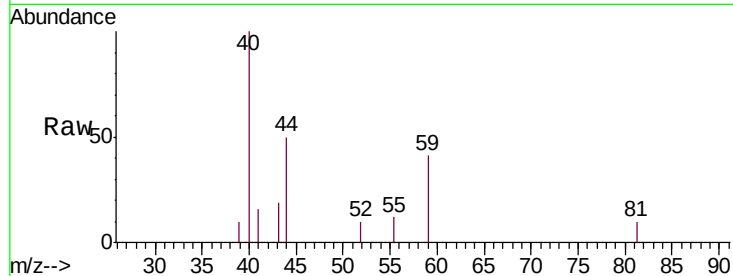




#11
Tert butyl alcohol
Concen: 5.635 ug/l
RT: 5.22 min Scan# 544
Delta R.T. 0.04 min
Lab File: VW012185.D
Acq: 26 Aug 2019 21:40

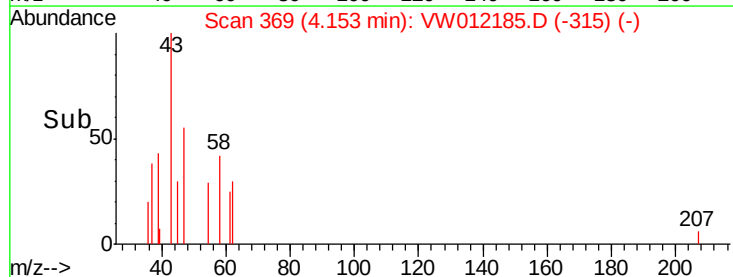
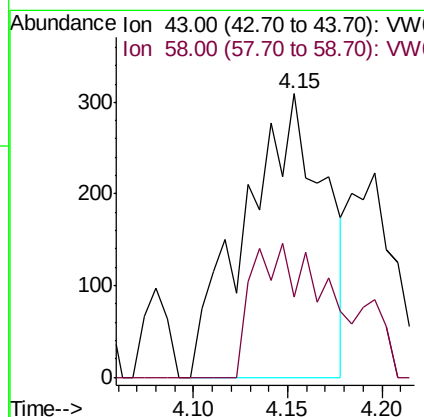
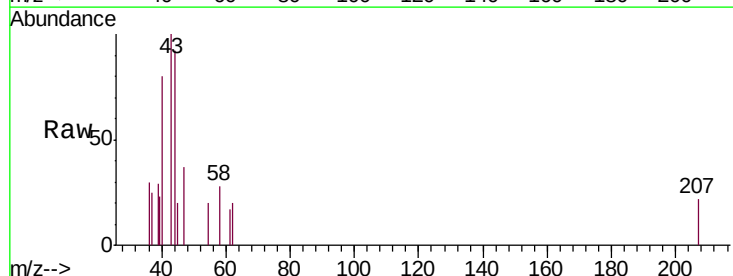
Instrument :
MSVOA_W
ClientSampled :
T1-S1-(2.5)

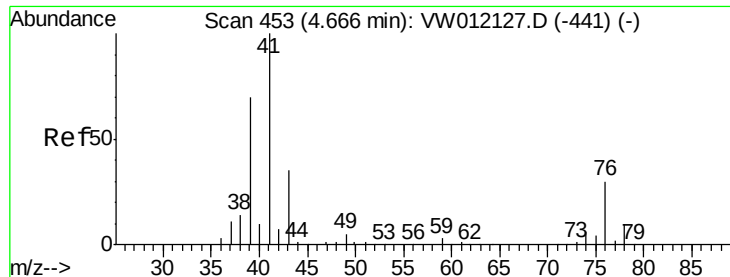
Tgt Ion: 59 Resp: 854
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 1.395 ug/l
RT: 4.15 min Scan# 369
Delta R.T. 0.03 min
Lab File: VW012185.D
Acq: 26 Aug 2019 21:40

Tgt Ion: 43 Resp: 898
Ion Ratio Lower Upper
43 100
58 28.2 22.4 33.6

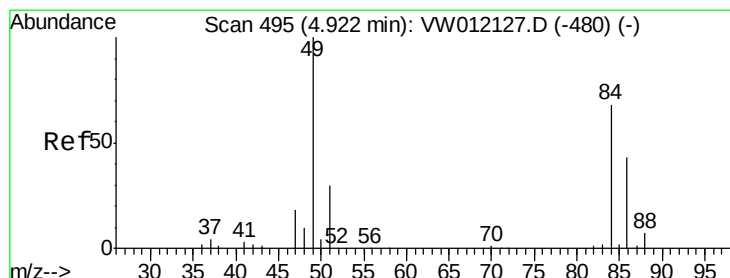
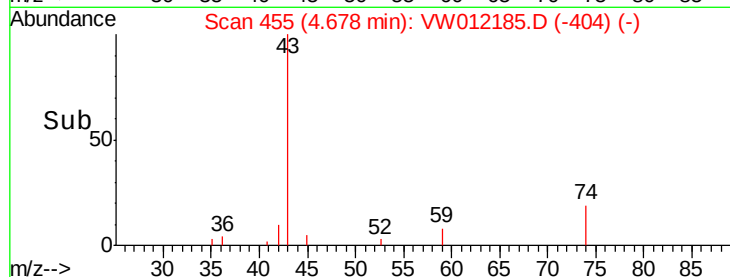
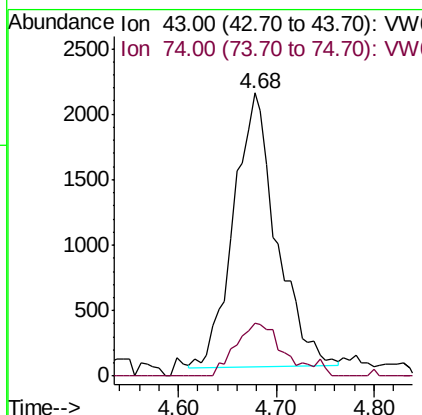
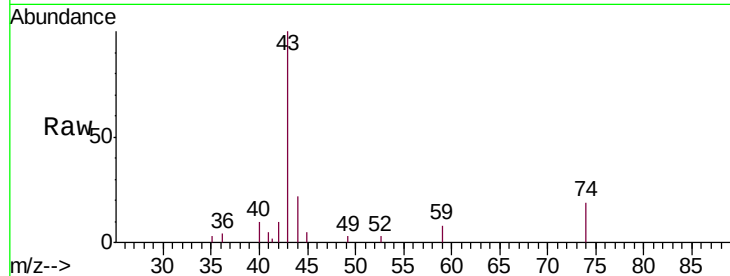




#18
Methyl Acetate
Concen: 3.973 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW012185.D
Acq: 26 Aug 2019 21:40

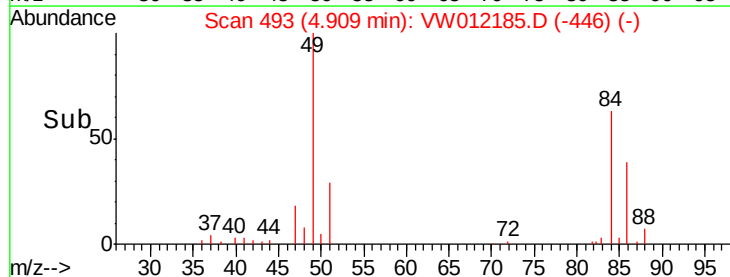
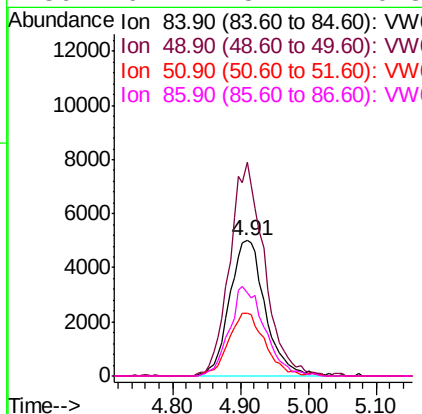
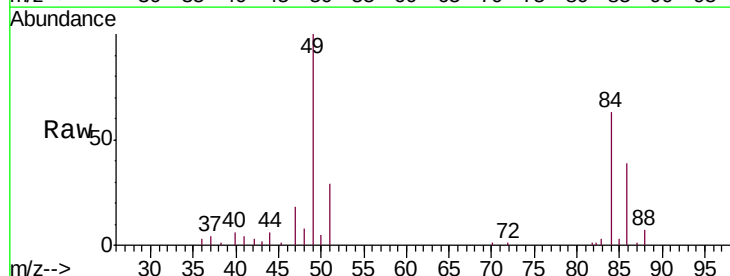
Instrument :
MSVOA_W
ClientSampleId :
T1-S1-(2.5)

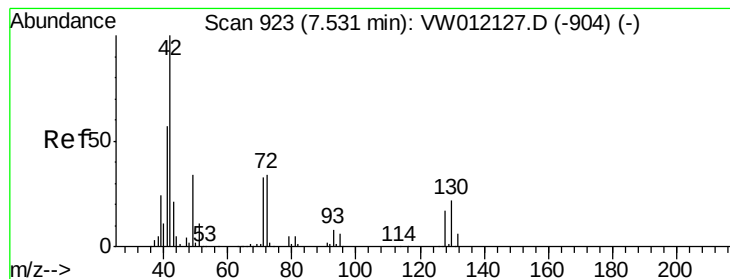
Tgt Ion: 43 Resp: 6335
Ion Ratio Lower Upper
43 100
74 22.4 15.7 23.5



#20
Methylene Chloride
Concen: 7.492 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012185.D
Acq: 26 Aug 2019 21:40

Tgt Ion: 84 Resp: 18234
Ion Ratio Lower Upper
84 100
49 158.1 117.8 176.8
51 46.4 35.6 53.4
86 61.7 51.2 76.8





#29

Tetrahydrofuran

Concen: 11.571 ug/l

RT: 7.54 min Scan# 925

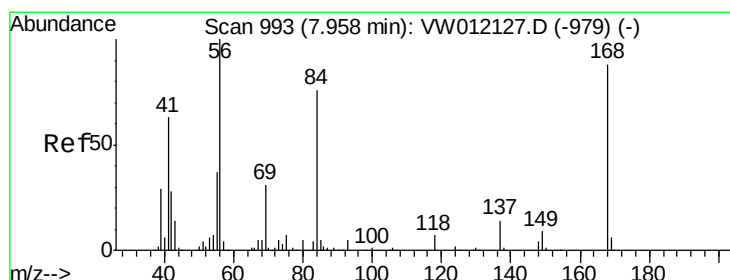
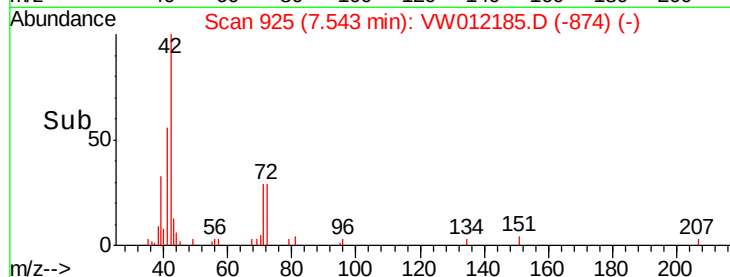
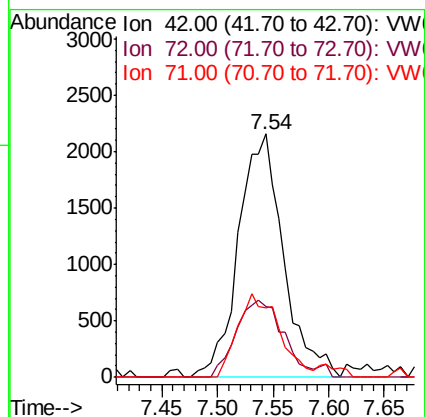
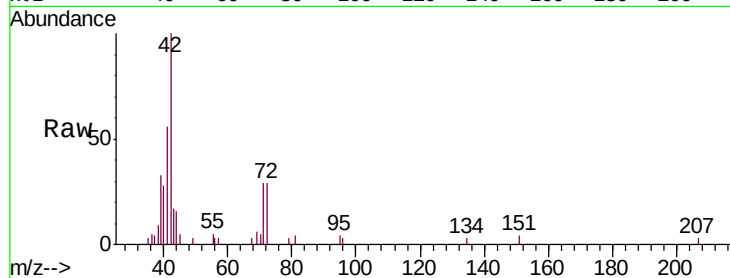
Delta R.T. 0.01 min

Lab File: VW012185.D

Acq: 26 Aug 2019 21:40

Instrument :
MSVOA_W
ClientSampleId :
T1-S1-(2.5)

Tgt Ion:	42	Resp:	6073
Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.3	40.9
71	31.7	25.5	38.3



#31

Cyclohexane

Concen: 1.210 ug/l

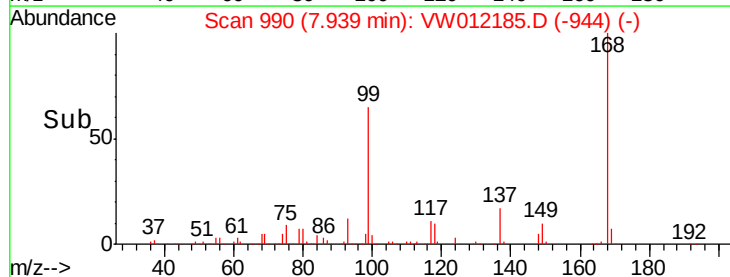
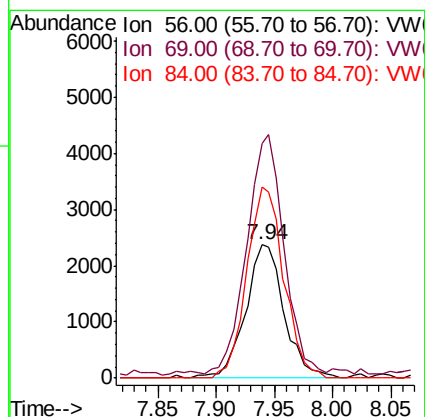
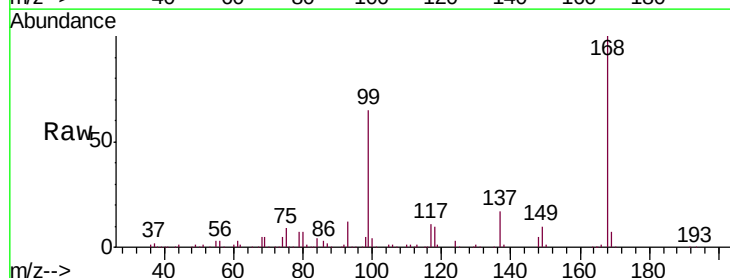
RT: 7.94 min Scan# 990

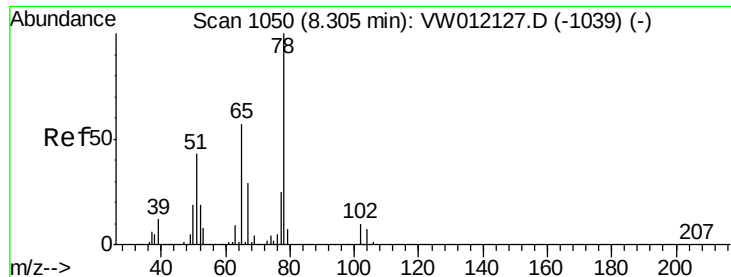
Delta R.T. -0.02 min

Lab File: VW012185.D

Acq: 26 Aug 2019 21:40

Tgt Ion:	56	Resp:	5490
Ion	Ratio	Lower	Upper
56	100		
69	171.2	24.9	37.3#
84	143.8	60.6	90.8#

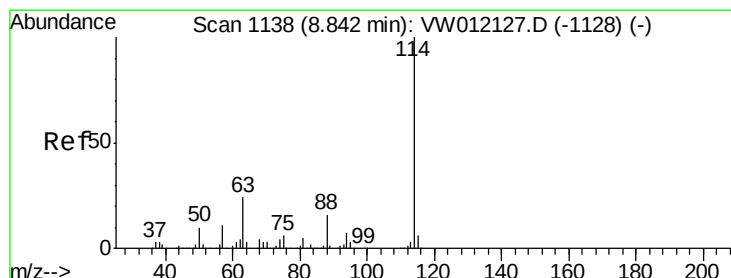
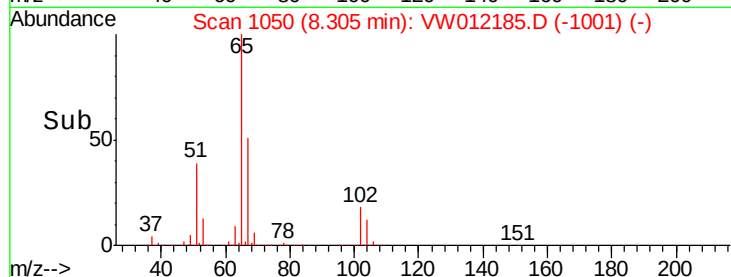
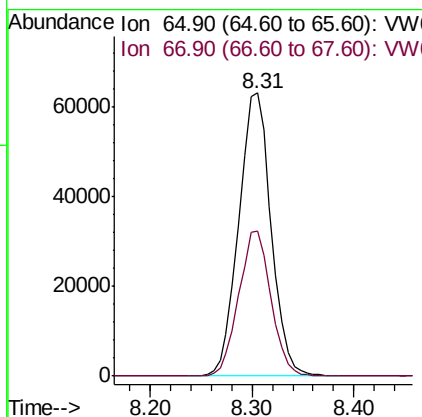
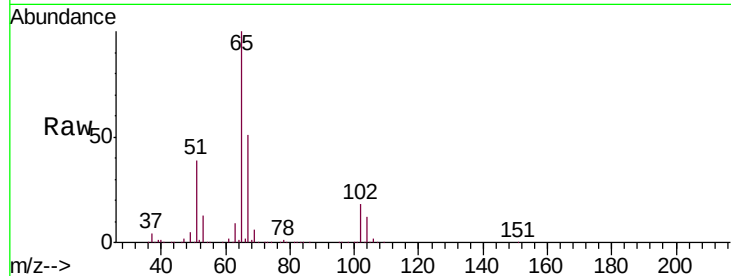




#33
 1,2-Dichloroethane-d4
 Concen: 55.296 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012185.D
 Acq: 26 Aug 2019 21:40

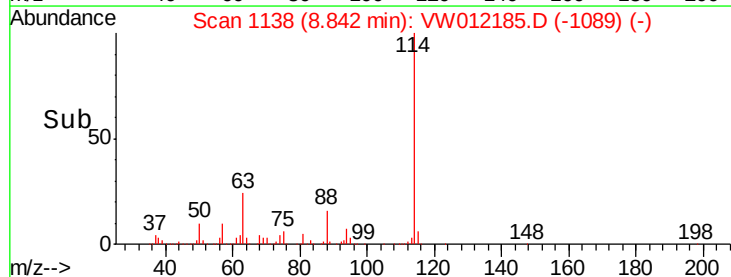
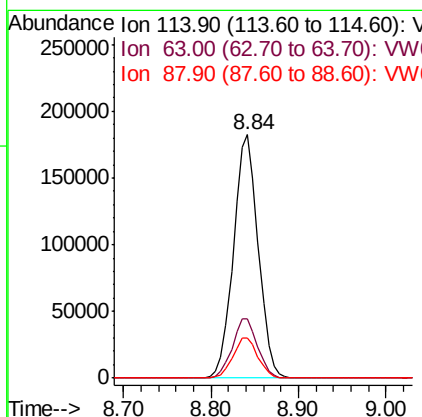
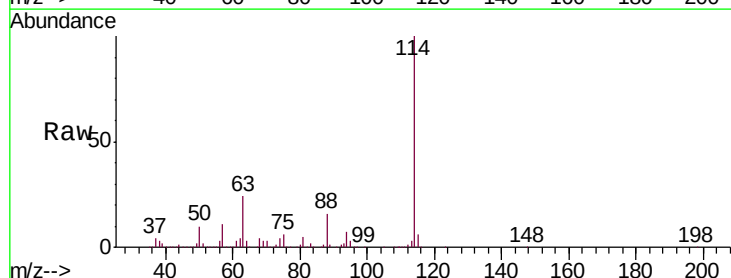
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S1-(2.5)

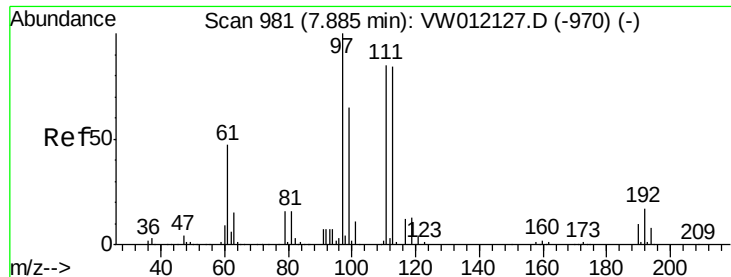
Tgt Ion: 65 Resp: 139265
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012185.D
 Acq: 26 Aug 2019 21:40

Tgt Ion: 114 Resp: 358070
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 48.6
 88 16.4 0.0 32.2

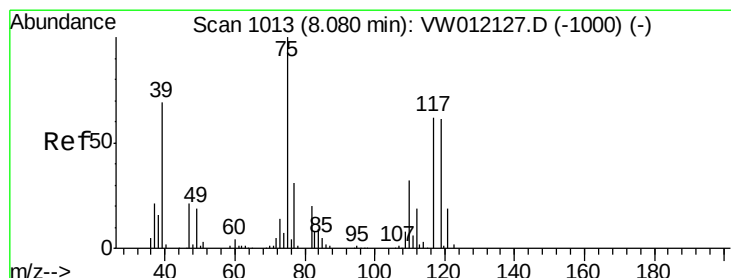
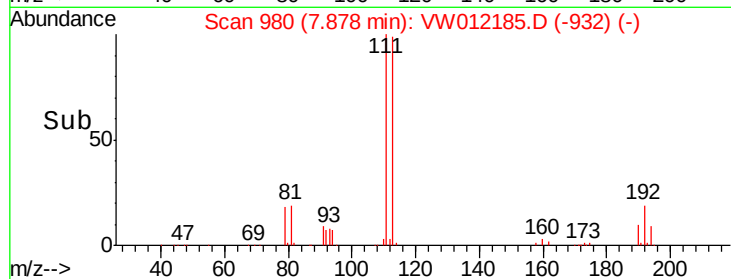
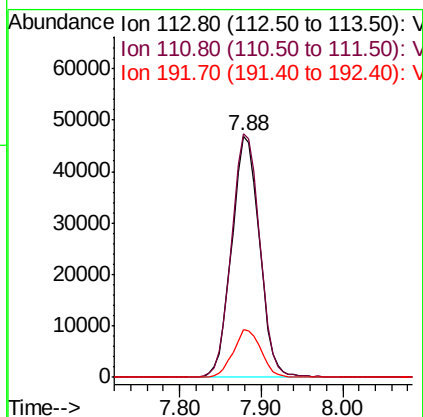
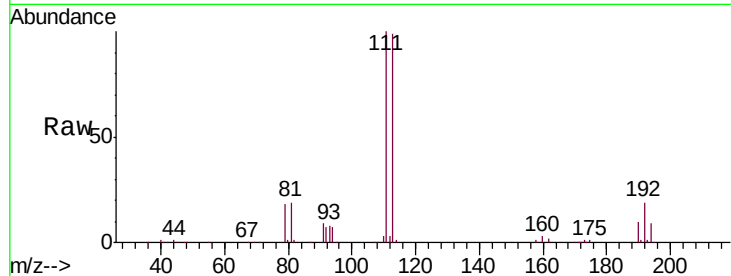




#35
 Dibromofluoromethane
 Concen: 51.487 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012185.D
 Acq: 26 Aug 2019 21:40

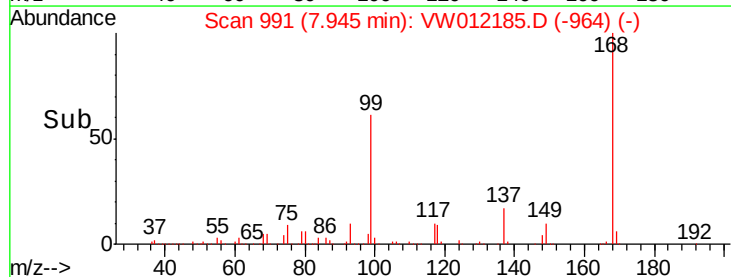
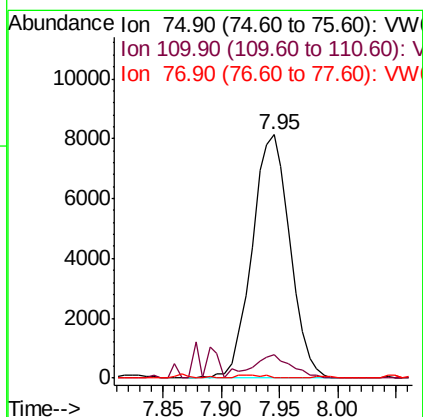
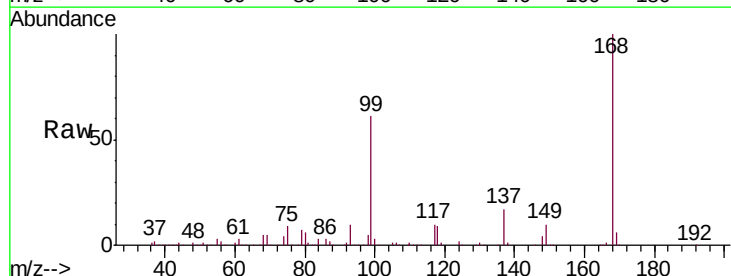
Instrument :
 MSVOA_W
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 T1-S1-(2.5)

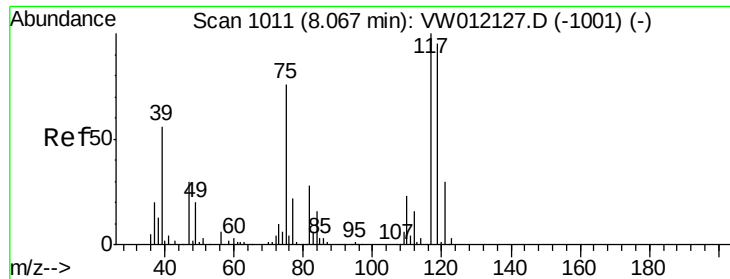
Tgt Ion:113 Resp: 110044
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 19.8 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.939 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012185.D
 Acq: 26 Aug 2019 21:40

Tgt Ion: 75 Resp: 18276
 Ion Ratio Lower Upper
 75 100
 110 9.1 15.6 46.8#
 77 0.9 24.6 36.8#

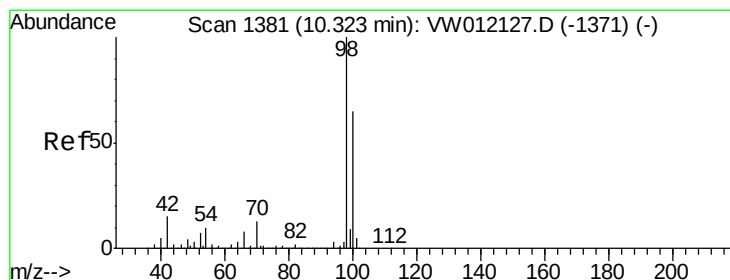
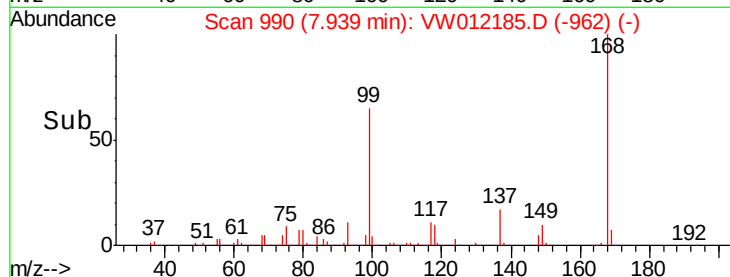
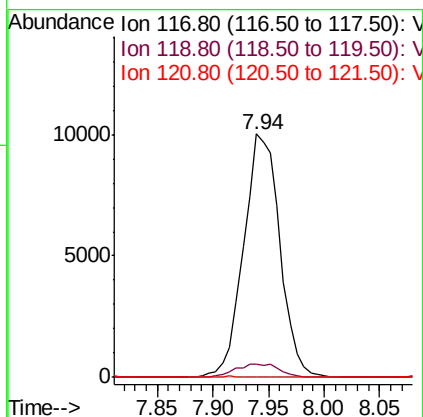
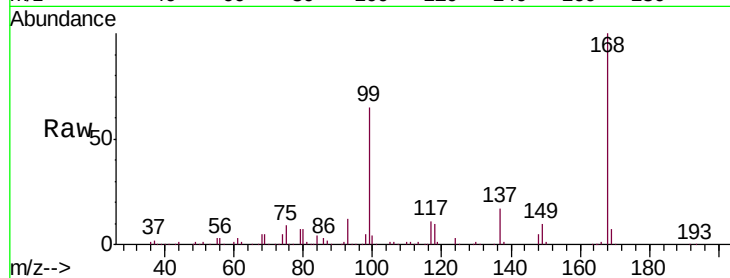




#38
Carbon Tetrachloride
Concen: 7.091 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW012185.D
Acq: 26 Aug 2019 21:40

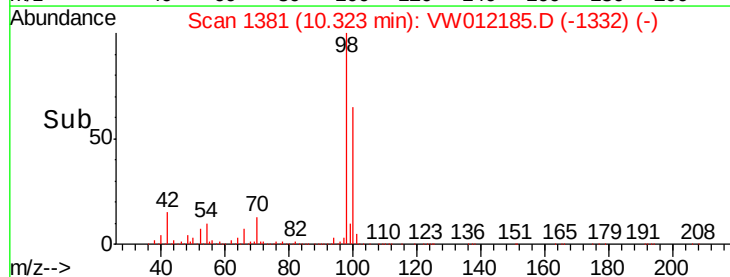
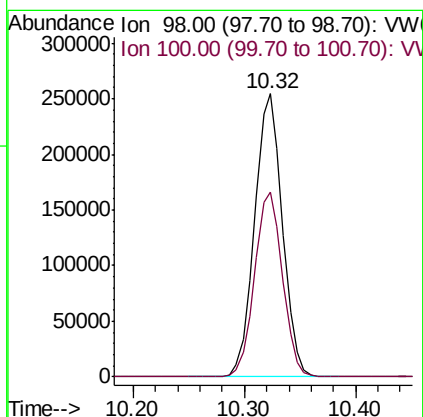
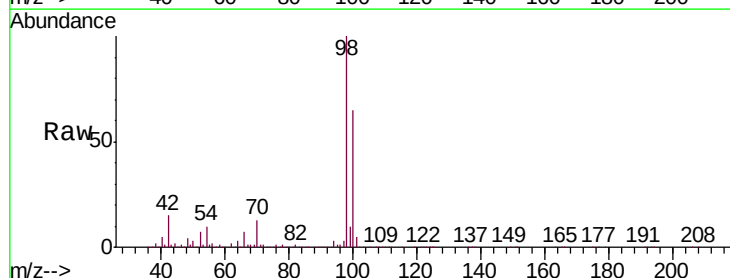
Instrument :
MSVOA_W
ClientSampleId :
T1-S1-(2.5)

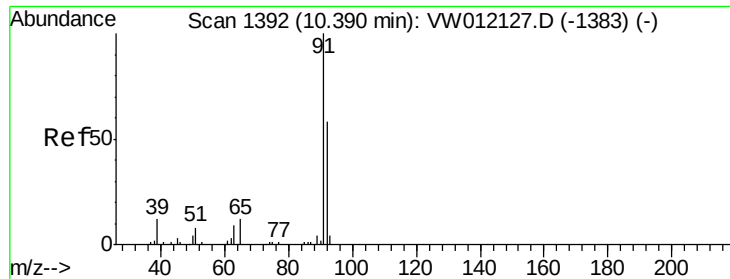
Tgt Ion:117 Resp: 22710
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 51.134 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012185.D
Acq: 26 Aug 2019 21:40

Tgt Ion: 98 Resp: 443139
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6





#52

Toluene

Concen: 3.697 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012185.D

Acq: 26 Aug 2019 21:40

Instrument :

MSVOA_W

ClientSampleId :

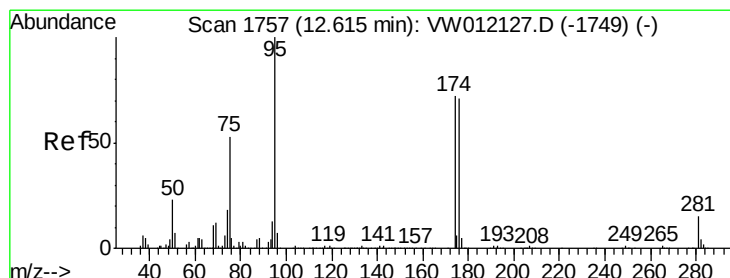
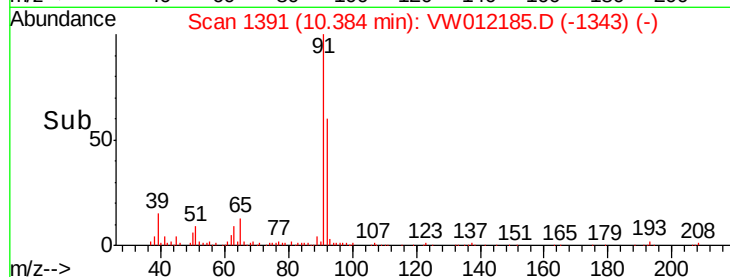
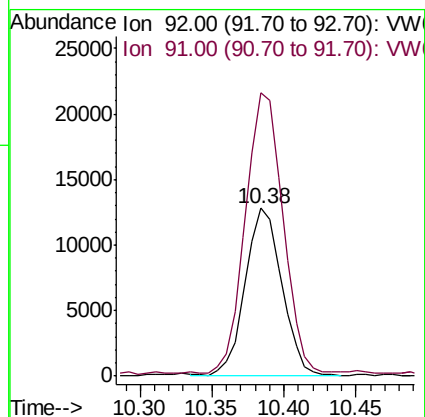
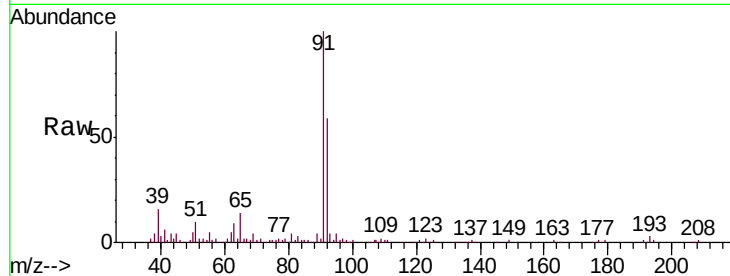
T1-S1-(2.5)

Tgt Ion: 92 Resp: 22440

Ion Ratio Lower Upper

92 100

91 172.4 136.6 204.8



#62

4-Bromofluorobenzene

Concen: 57.148 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012185.D

Acq: 26 Aug 2019 21:40

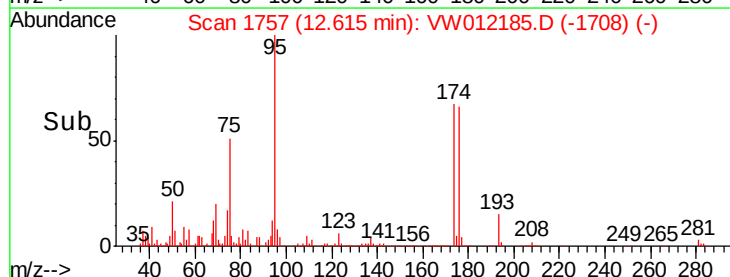
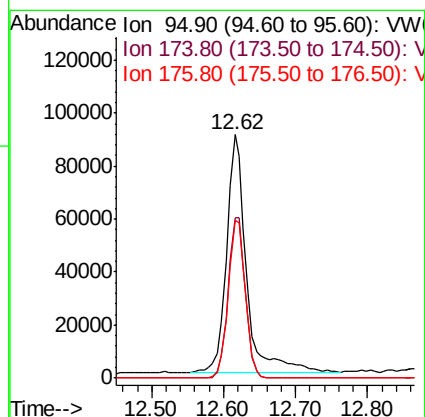
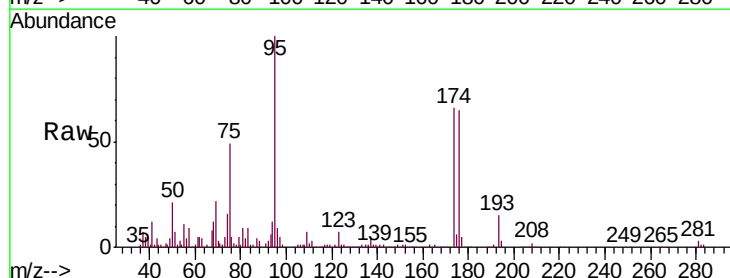
Tgt Ion: 95 Resp: 174579

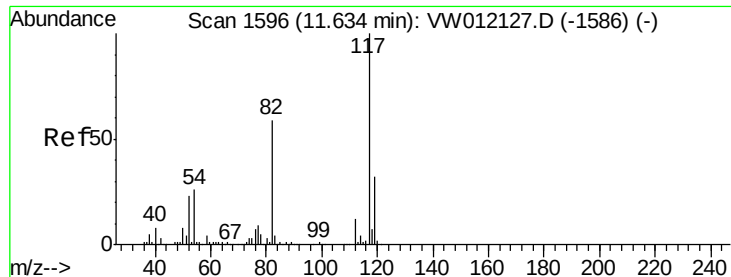
Ion Ratio Lower Upper

95 100

174 57.9 0.0 150.8

176 56.3 0.0 148.6

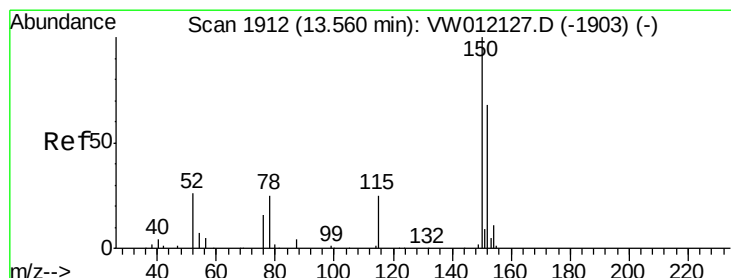
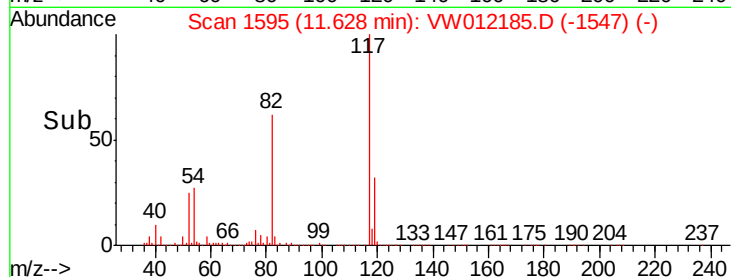
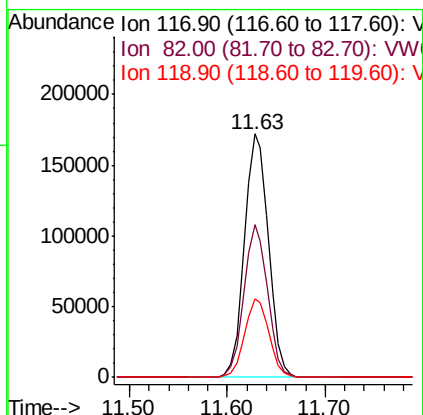
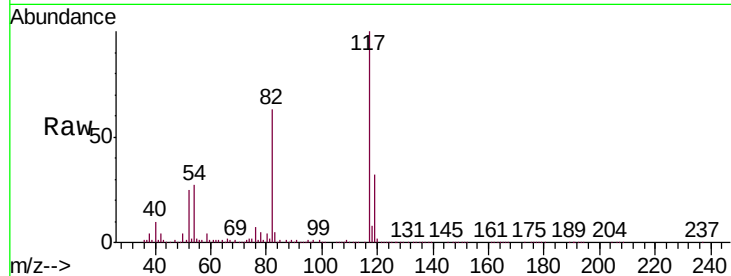




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012185.D
Acq: 26 Aug 2019 21:40

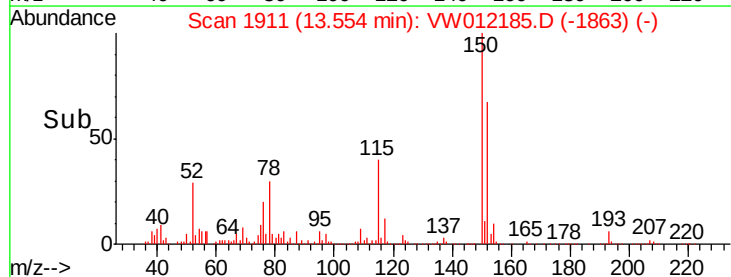
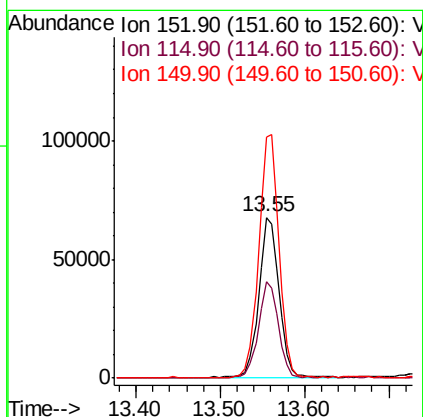
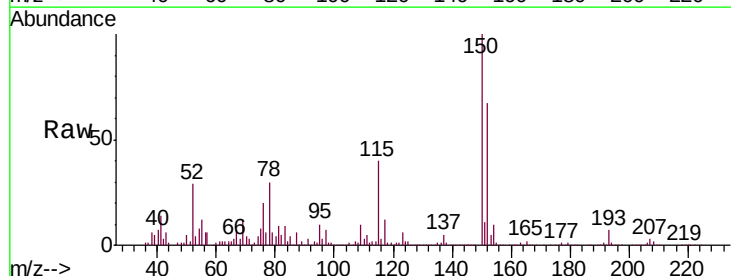
Instrument :
MSVOA_W
ClientSampleId :
T1-S1-(2.5)

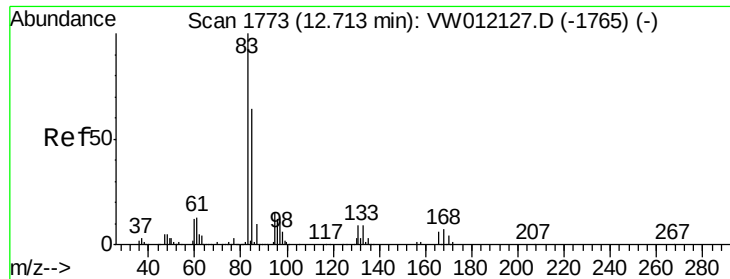
Tgt Ion:117 Resp: 292019
Ion Ratio Lower Upper
117 100
82 62.3 47.4 71.2
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012185.D
Acq: 26 Aug 2019 21:40

Tgt Ion:152 Resp: 111395
Ion Ratio Lower Upper
152 100
115 57.9 30.1 90.3
150 150.3 0.0 345.8





#75

1,1,2,2-Tetrachloroethane

Concen: 14.310 ug/l

RT: 12.63 min Scan# 1760

Delta R.T. -0.08 min

Lab File: VW012185.D

Acq: 26 Aug 2019 21:40

Instrument :

MSVOA_W

ClientSampleId :

T1-S1-(2.5)

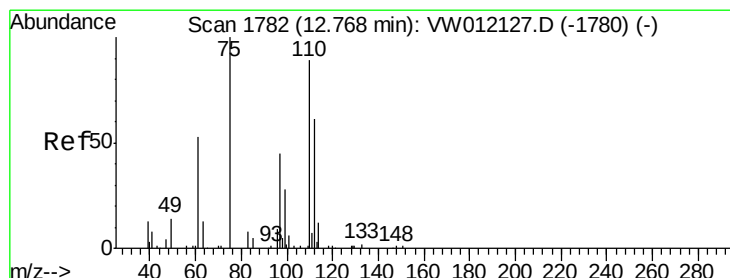
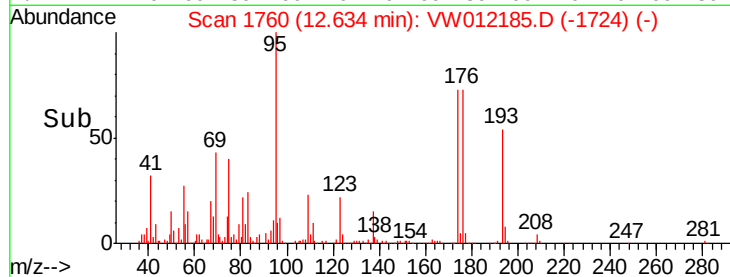
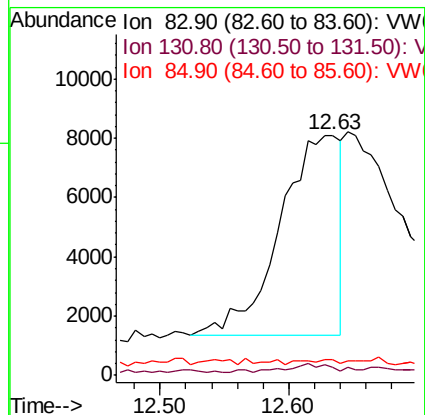
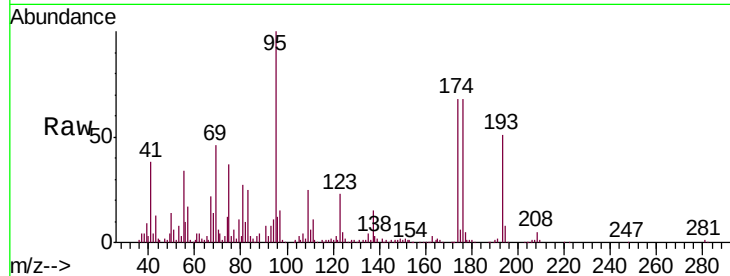
Tgt Ion: 83 Resp: 21898

Ion Ratio Lower Upper

83 100

131 2.3 4.9 14.7#

85 0.9 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 67.056 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012185.D

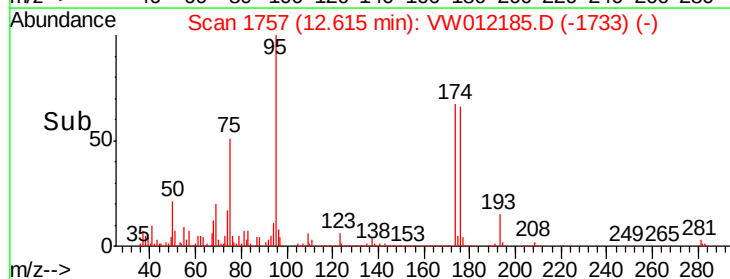
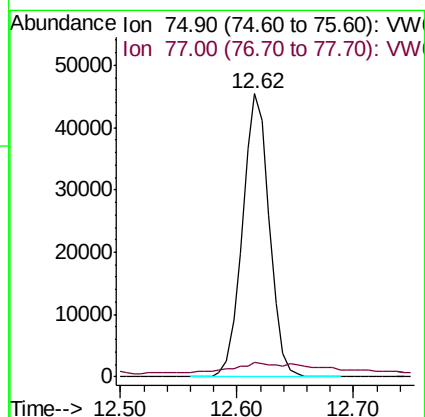
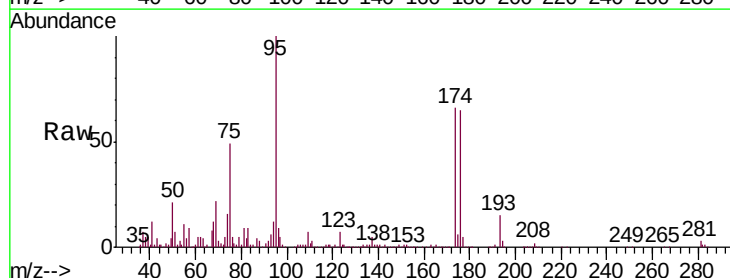
Acq: 26 Aug 2019 21:40

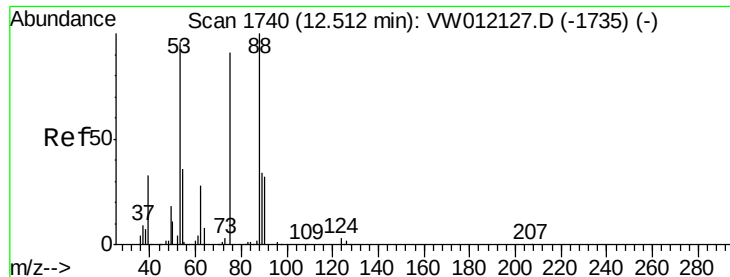
Tgt Ion: 75 Resp: 72750

Ion Ratio Lower Upper

75 100

77 7.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 147.024 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012185.D

Acq: 26 Aug 2019 21:40

Instrument :

MSVOA_W

ClientSampleId :

T1-S1-(2.5)

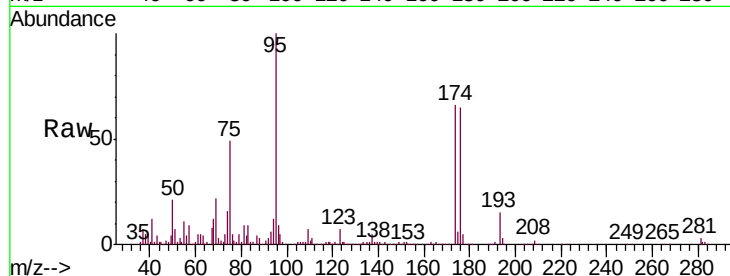
Tgt Ion: 75 Resp: 72750

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

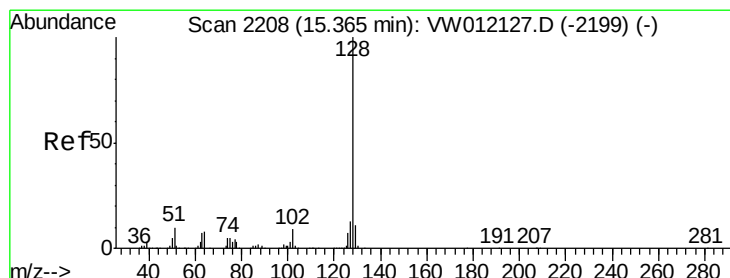
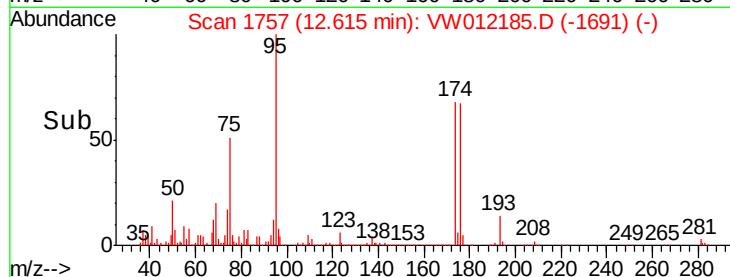
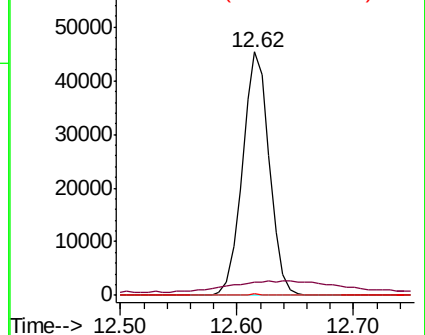
89 0.3 34.5 51.7#



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



#95

Naphthalene

Concen: 4.432 ug/l

RT: 15.35 min Scan# 2206

Delta R.T. -0.01 min

Lab File: VW012185.D

Acq: 26 Aug 2019 21:40

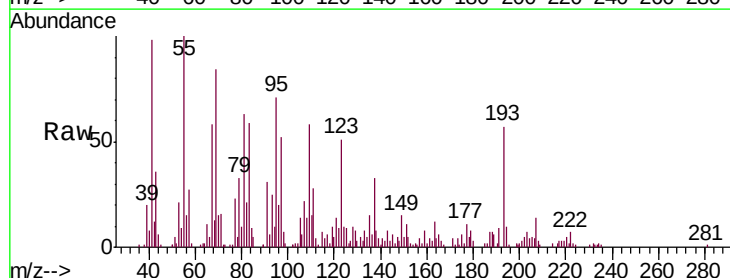
Tgt Ion: 128 Resp: 511

Ion Ratio Lower Upper

128 100

127 15.7 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

