

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008685.D
 Acq On : 15 Feb 2019 15:31
 Operator : SY/VA
 Sample : K1346-13
 Misc : 7.44G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 00:34:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	398903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	615482	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	532544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	249749	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	214718	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
35) Dibromofluoromethane	7.88	113	186334	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	10.32	98	713261	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	12.62	95	245944	44.32	ug/l	0.00
Spiked Amount			Recovery	=	88.64%	

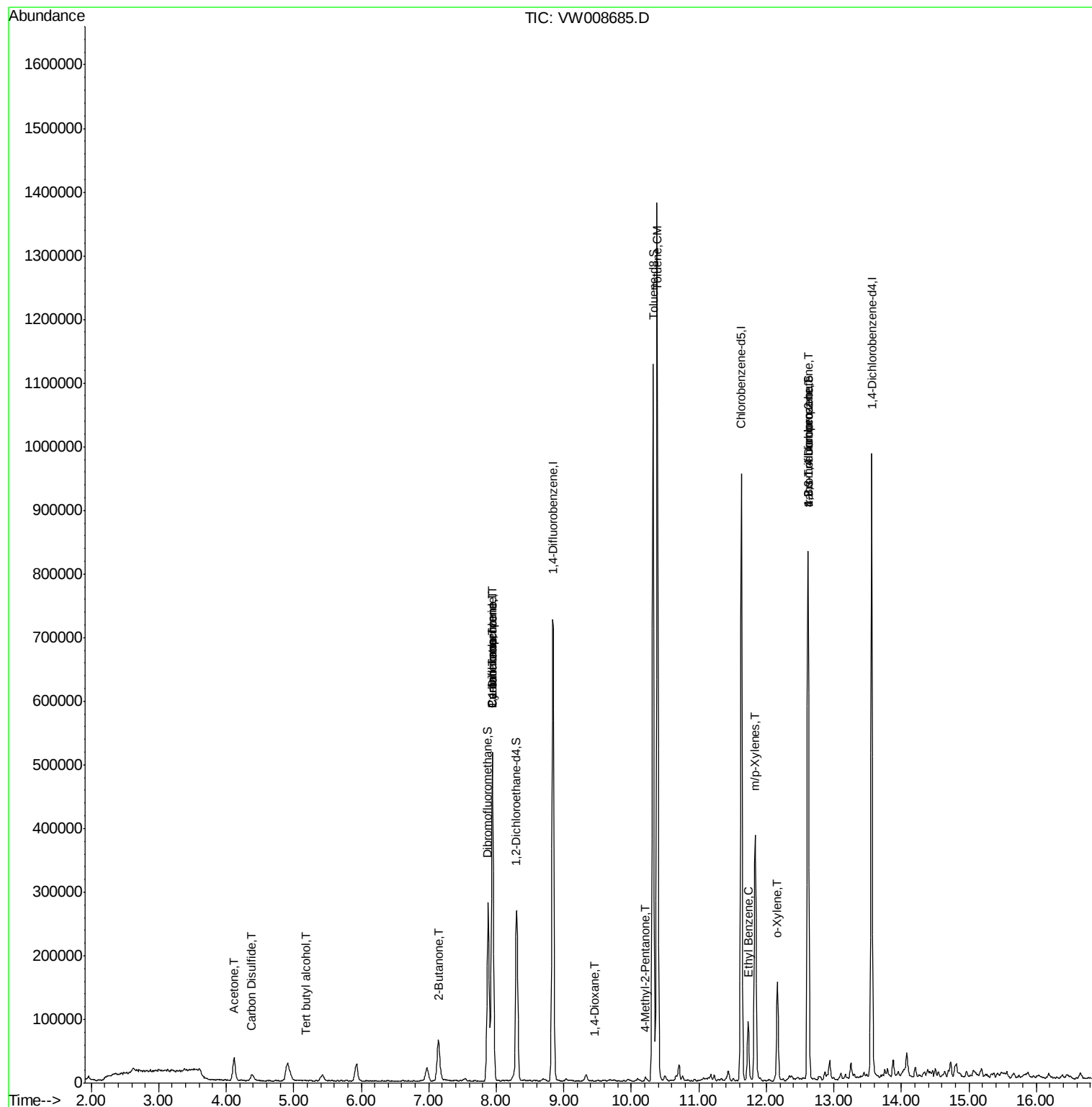
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	511	1.540	ug/l #	72
16) Acetone	4.12	43	59891	63.463	ug/l	94
17) Carbon Disulfide	4.37	76	12418	1.057	ug/l	95
20) Methylene Chloride	4.91	84	23721	Below Cal	#	80
25) 2-Butanone	7.16	43	3973	2.981	ug/l #	90
31) Cyclohexane	7.94	56	9879	1.303	ug/l #	6
36) 1,1-Dichloropropene	7.94	75	30560	4.942	ug/l #	50
38) Carbon Tetrachloride	7.94	117	37758	6.141	ug/l #	17
49) 1,4-Dioxane	9.45	88	49	1.333	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	3822	1.251	ug/l #	85
52) Toluene	10.38	92	565755	51.929	ug/l	99
67) Ethyl Benzene	11.73	91	61112	2.989	ug/l	99
68) m/p-Xylenes	11.83	106	119067	14.967	ug/l	96
69) o-Xylene	12.16	106	40293	5.358	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	130002	52.715	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	130002	112.888	ug/l #	6

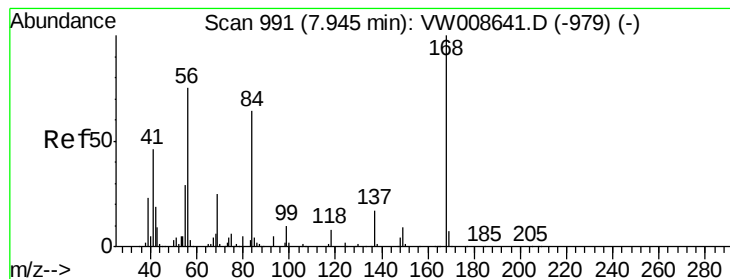
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008685.D

Acq: 15 Feb 2019 15:31

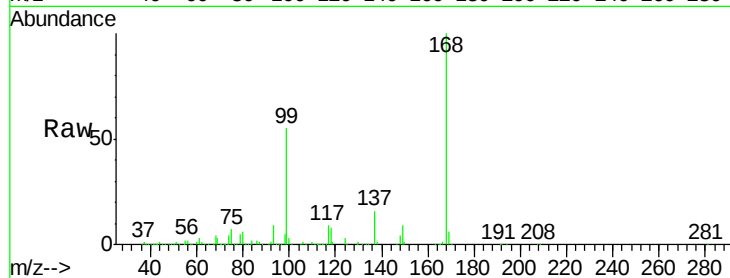
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 398903

Ion Ratio Lower Upper

168 100

99 55.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

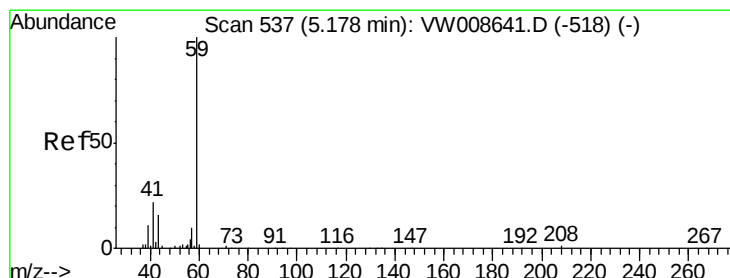
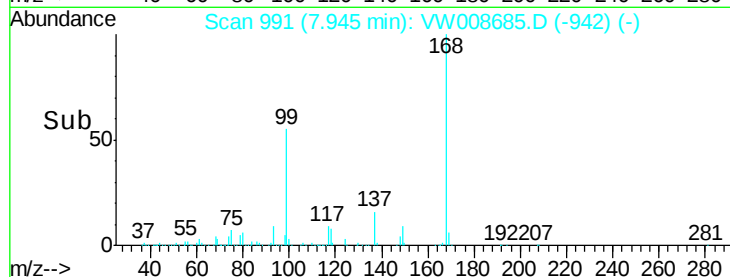
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 1.540 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.00 min

Lab File: VW008685.D

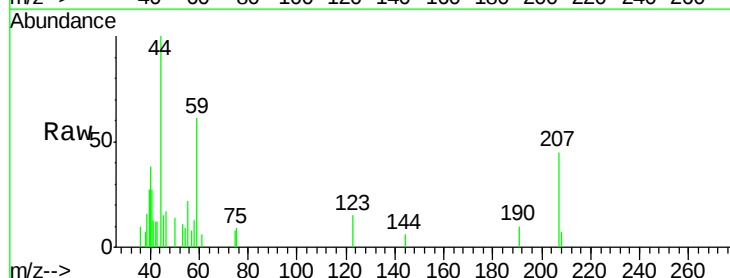
Acq: 15 Feb 2019 15:31

Tgt Ion: 59 Resp: 511

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

600

500

400

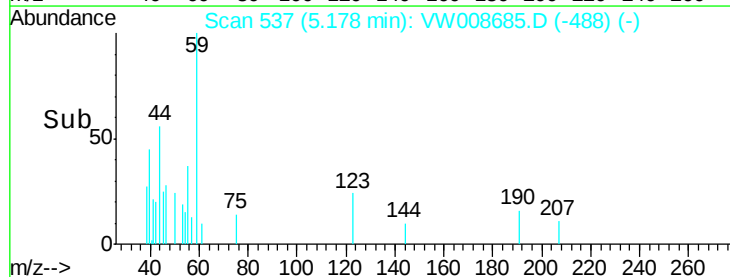
300

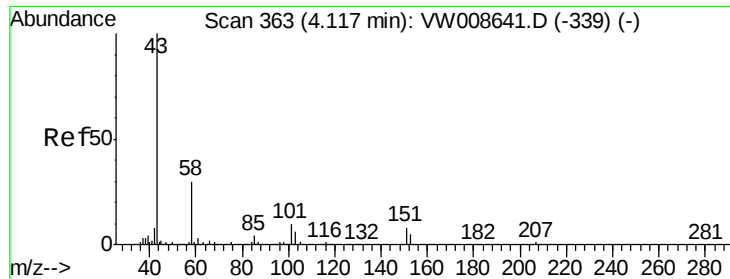
200

100

0

Time--> 5.15 5.20

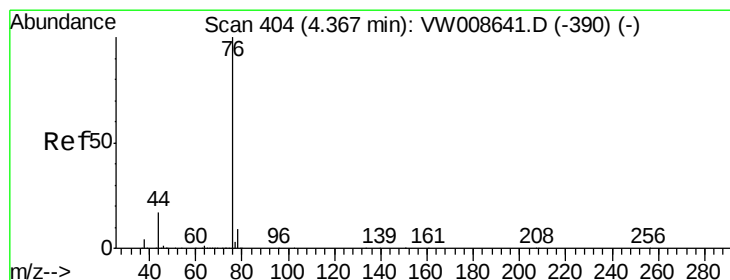
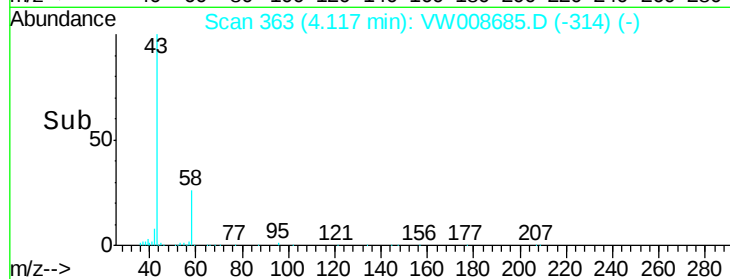
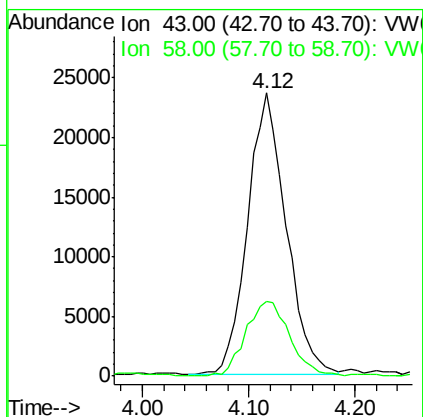
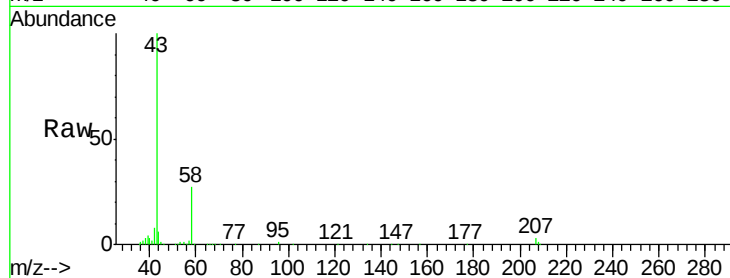




#16
Acetone
Concen: 63.463 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW008685.D
Acq: 15 Feb 2019 15:31

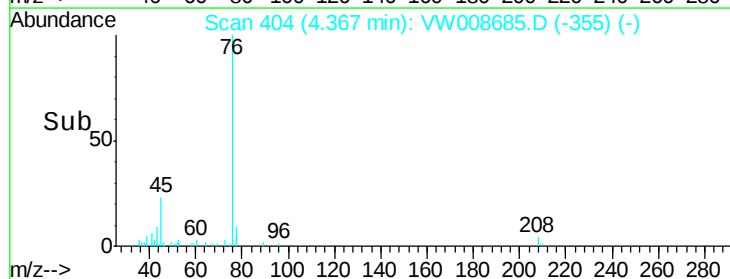
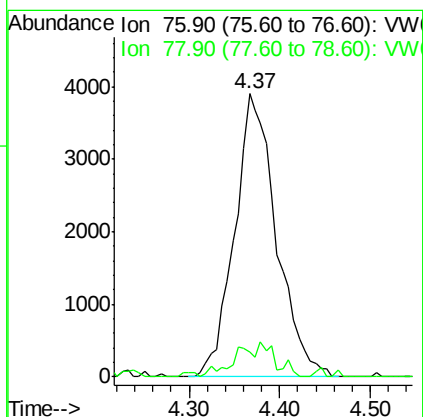
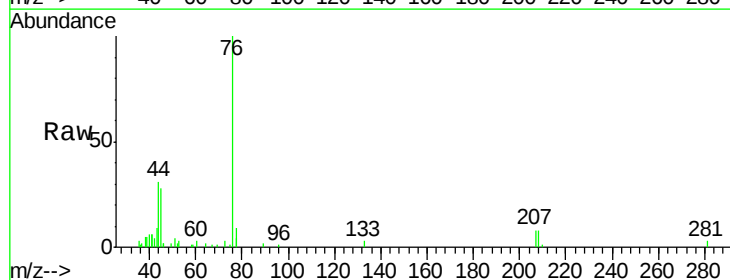
Instrument :
MSVOA_W
ClientSampled :

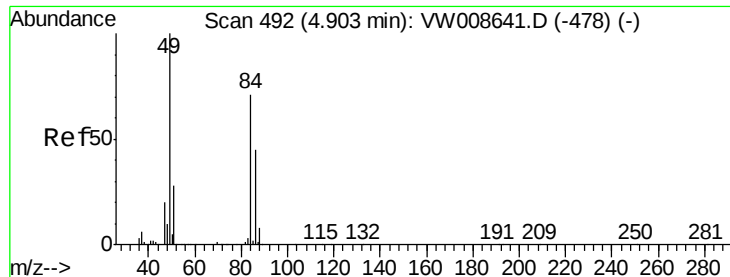
Tot Ion: 43 Resp: 59891
Ion Ratio Lower Upper
43 100
58 26.7 24.1 36.1



#17
Carbon Disulfide
Concen: 1.057 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.00 min
Lab File: VW008685.D
Acq: 15 Feb 2019 15:31

Tgt Ion: 76 Resp: 12418
Ion Ratio Lower Upper
76 100
78 7.2 7.1 10.7





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

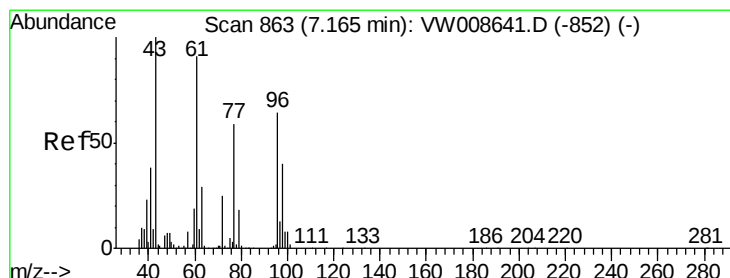
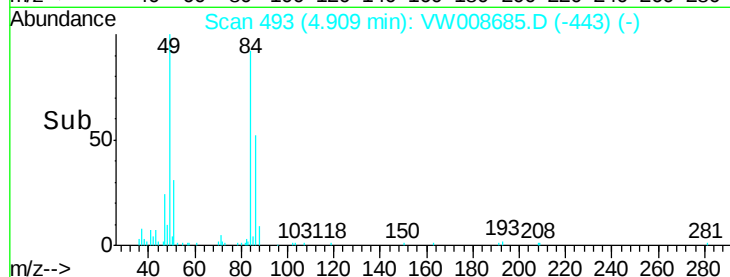
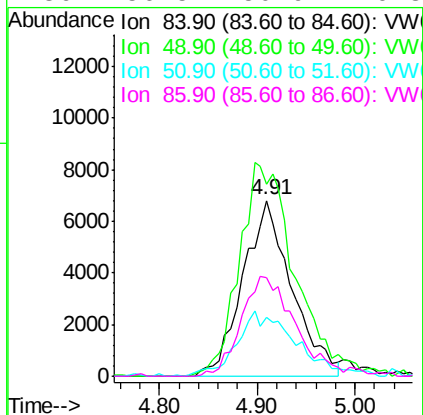
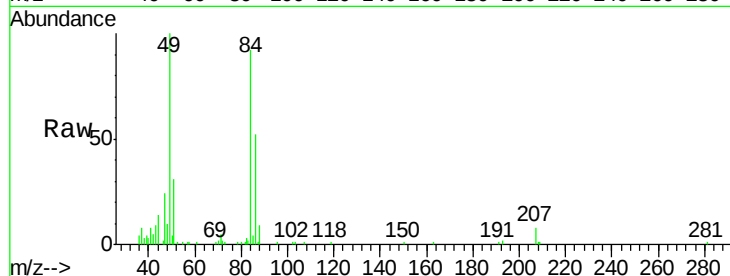
Delta R.T. 0.01 min

Lab File: VW008685.D

Acq: 15 Feb 2019 15:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	84	Resp:	23721
Ion	Ratio	Lower	Upper
84	100		
49	109.1	113.3	169.9#
51	32.6	32.1	48.1
86	56.5	50.9	76.3



#25

2-Butanone

Concen: 2.981 ug/l

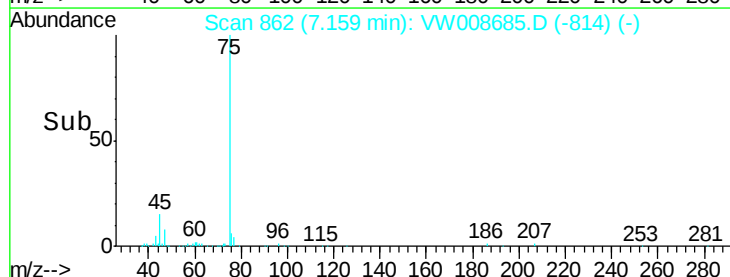
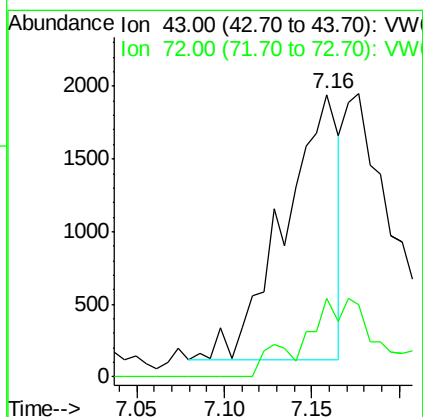
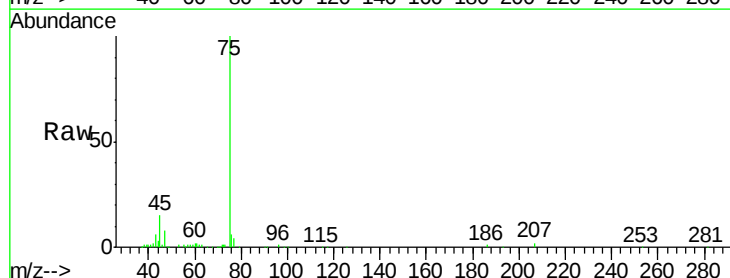
RT: 7.16 min Scan# 862

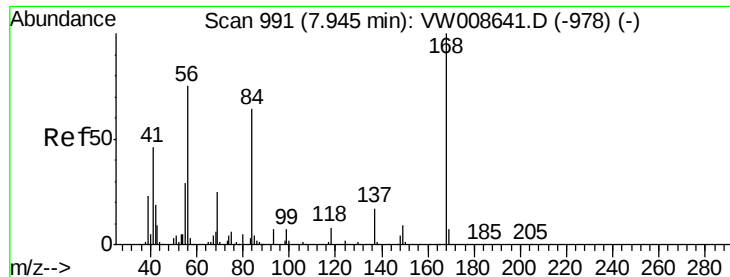
Delta R.T. -0.01 min

Lab File: VW008685.D

Acq: 15 Feb 2019 15:31

Tgt Ion:	43	Resp:	3973
Ion	Ratio	Lower	Upper
43	100		
72	29.6	19.7	29.5#

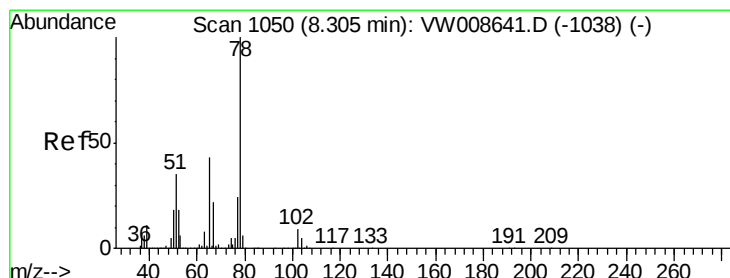
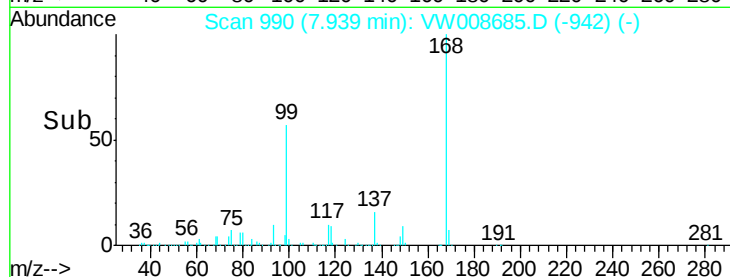
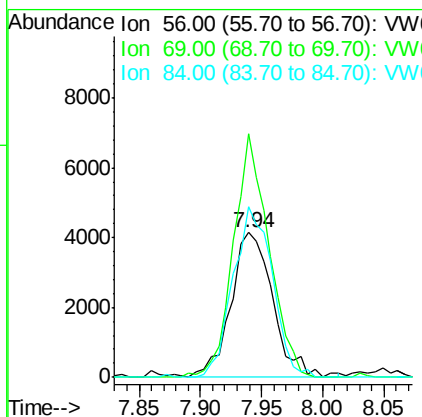
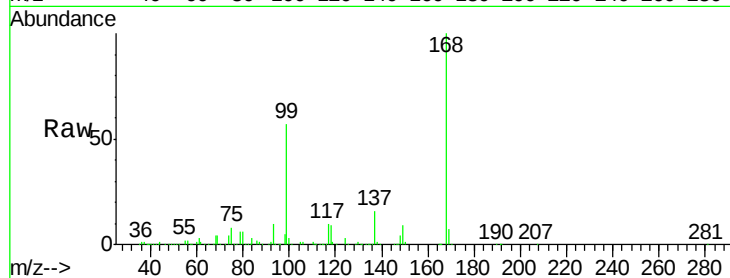




#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008685.D
Acq: 15 Feb 2019 15:31

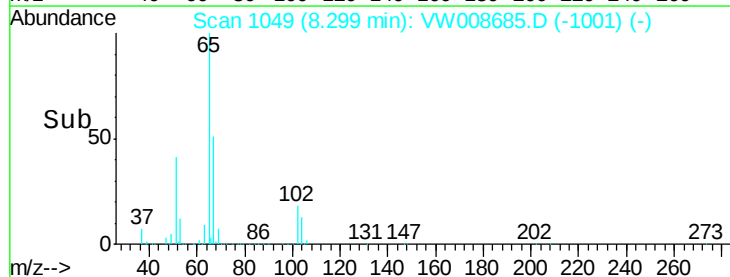
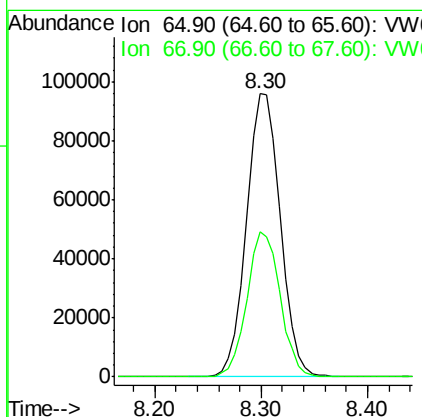
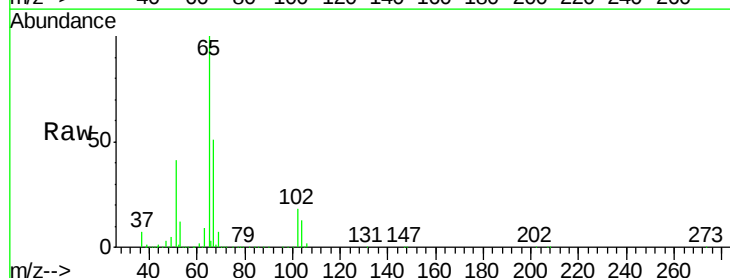
Instrument :
MSVOA_W
ClientSampled :

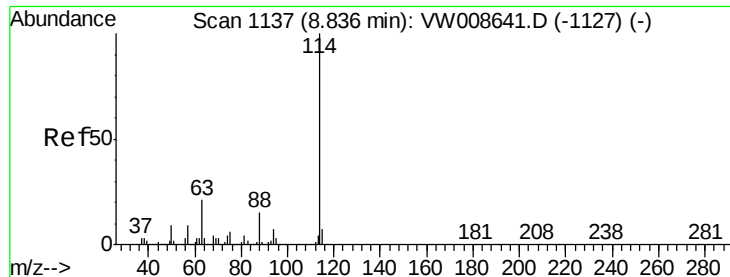
Tot Ion: 56 Resp: 9879
Ion Ratio Lower Upper
56 100
69 168.6 26.4 39.6#
84 117.9 67.4 101.2#



#33
1,2-Dichloroethane-d4
Concen: 51.775 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008685.D
Acq: 15 Feb 2019 15:31

Tgt Ion: 65 Resp: 214718
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.0

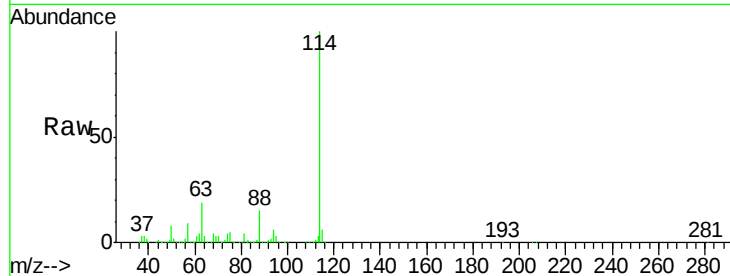




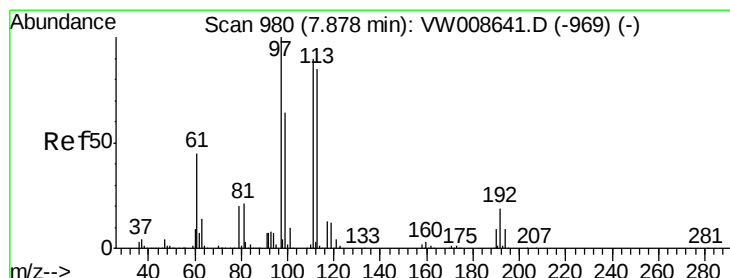
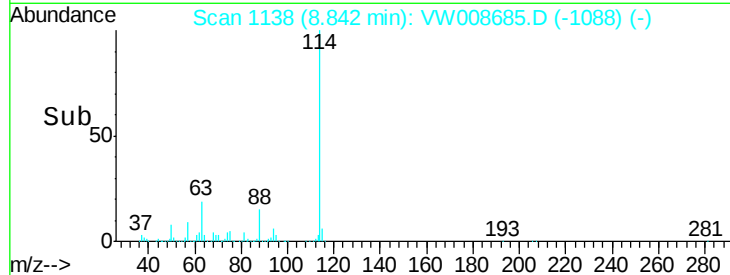
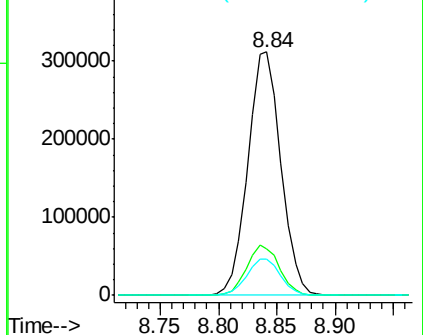
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VW008685.D
Acq: 15 Feb 2019 15:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 615482
Ion Ratio Lower Upper
114 100
63 19.0 0.0 41.2
88 14.8 0.0 29.6

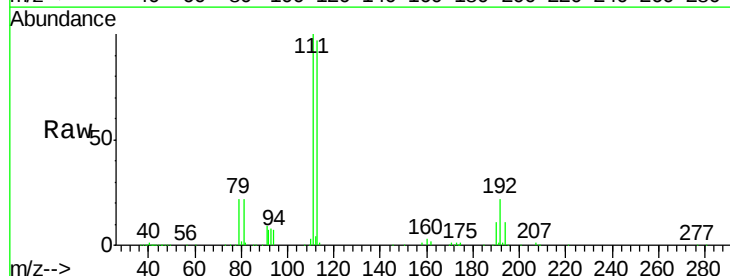


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

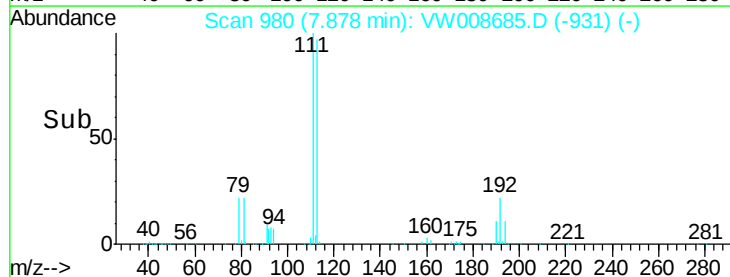
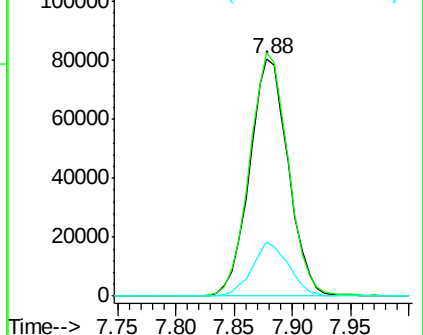


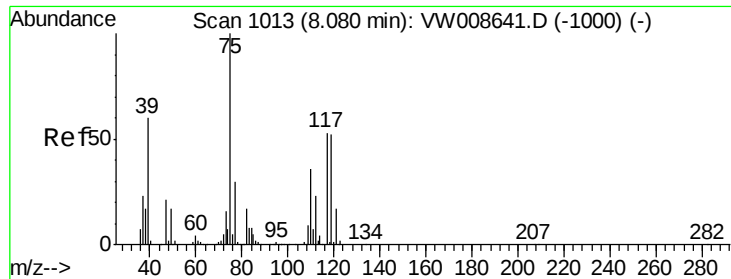
#35
Dibromofluoromethane
Concen: 48.756 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW008685.D
Acq: 15 Feb 2019 15:31

Tgt Ion:113 Resp: 186334
Ion Ratio Lower Upper
113 100
111 102.4 84.0 126.0
192 21.8 17.4 26.2



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

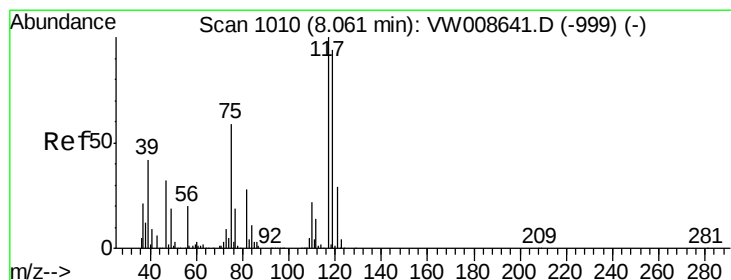
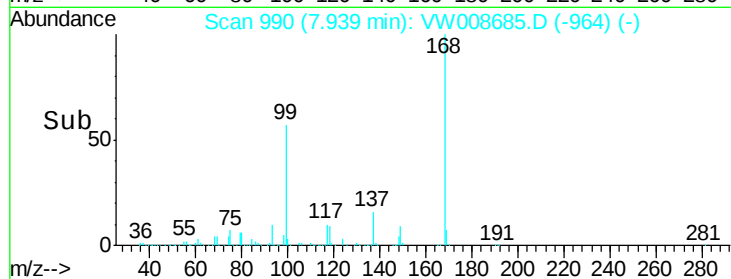
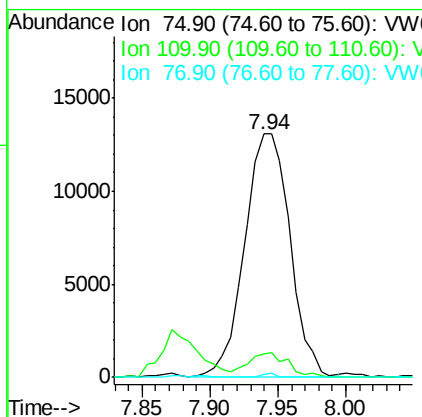
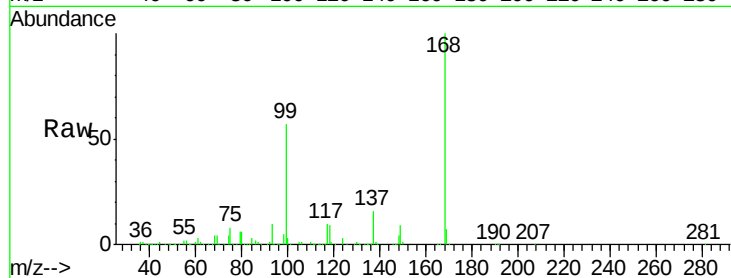




#36
 1,1-Dichloropropene
 Concen: 4.942 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008685.D
 Acq: 15 Feb 2019 15:31

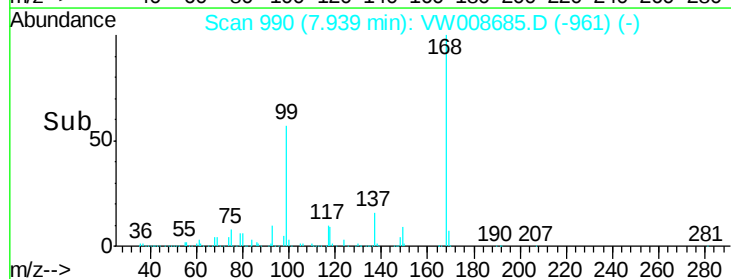
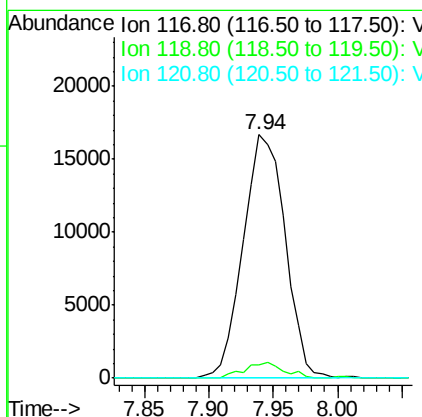
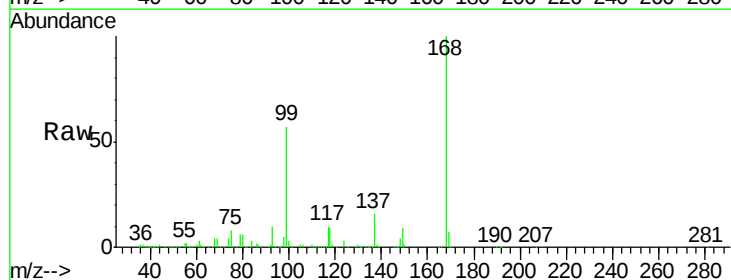
Instrument :
 MSVOA_W
 ClientSampleId :

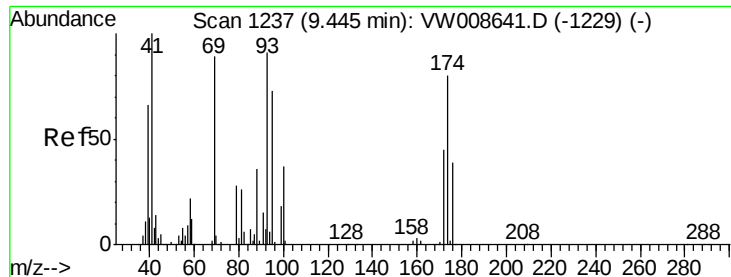
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.8	53.3#
77	0.5	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.141 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.12 min
 Lab File: VW008685.D
 Acq: 15 Feb 2019 15:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.1	112.7#
121	0.0	23.5	35.3#

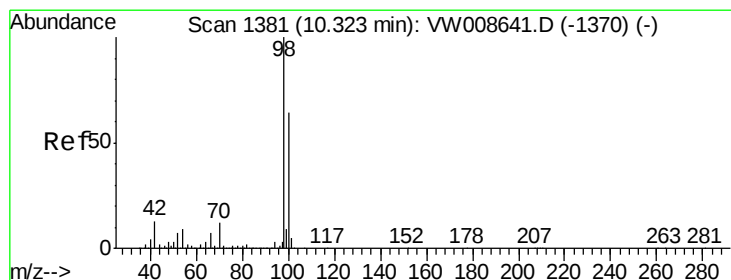
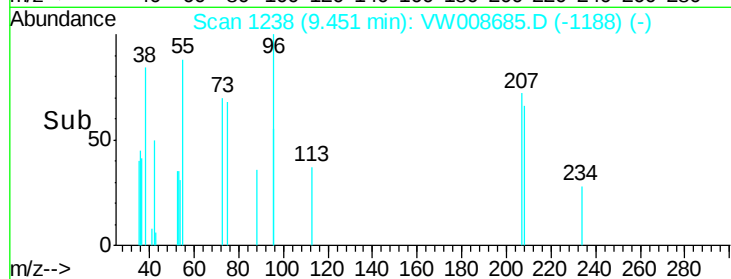
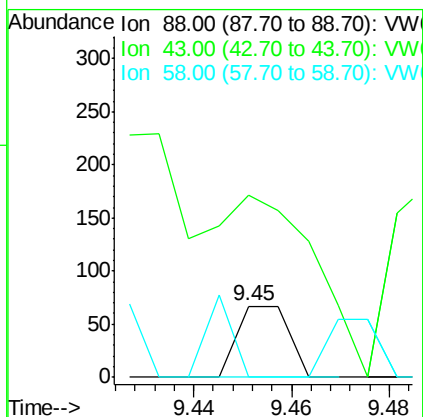
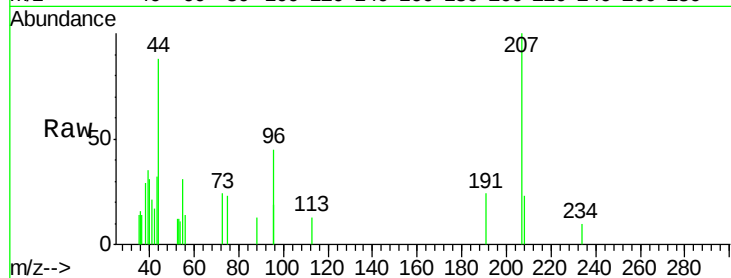




#49
 1,4-Dioxane
 Concen: 1.333 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VW008685.D
 Acq: 15 Feb 2019 15:31

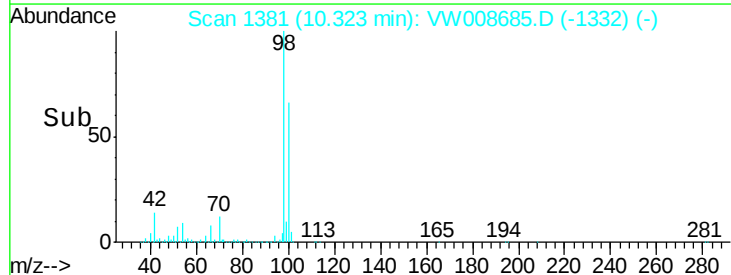
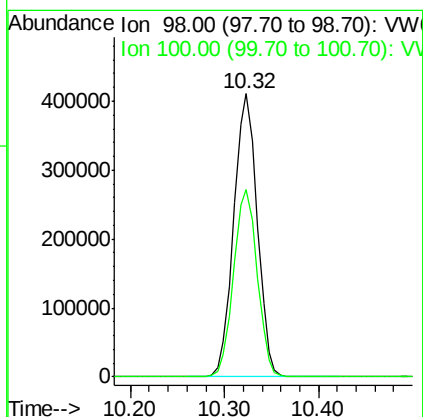
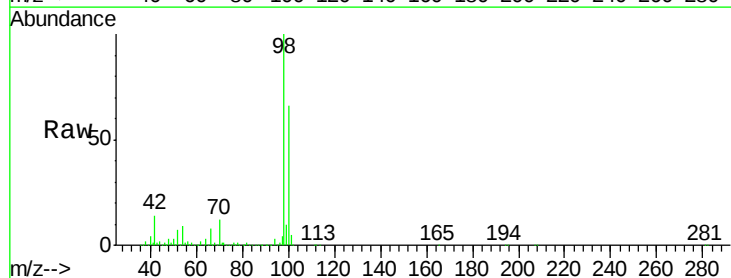
Instrument :
 MSVOA_W
 ClientSampleId :

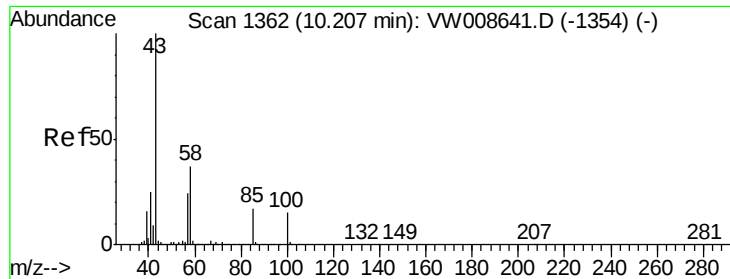
Tot Ion: 88 Resp: 49
 Ion Ratio Lower Upper
 88 100
 43 442.9 31.0 46.6#
 58 57.1 57.0 85.6



#50
 Toluene-d8
 Concen: 48.414 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW008685.D
 Acq: 15 Feb 2019 15:31

Tgt Ion: 98 Resp: 713261
 Ion Ratio Lower Upper
 98 100
 100 66.4 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 1.251 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008685.D

Acq: 15 Feb 2019 15:31

Instrument :

MSVOA_W

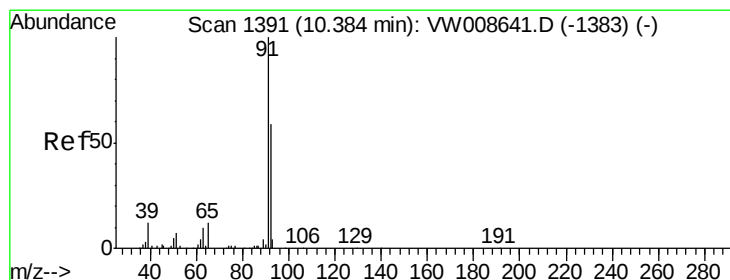
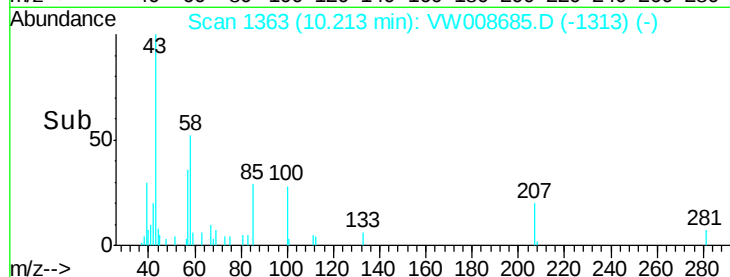
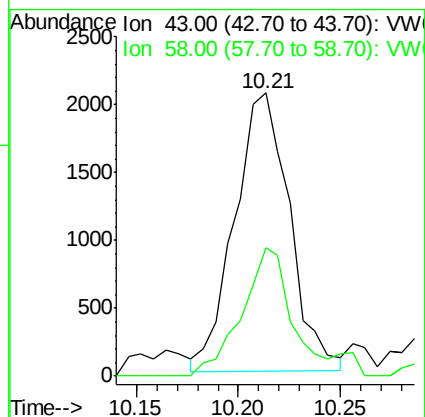
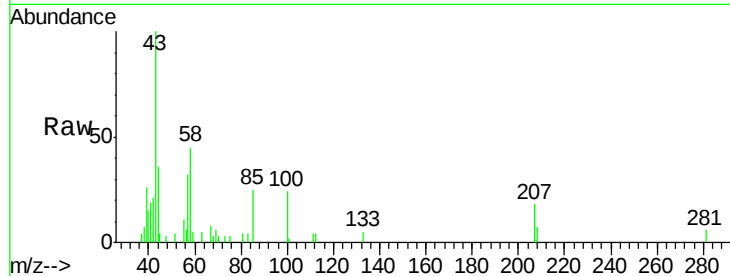
ClientSampleId :

Tot Ion: 43 Resp: 3822

Ion Ratio Lower Upper

43 100

58 45.2 29.0 43.6#



#52

Toluene

Concen: 51.929 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008685.D

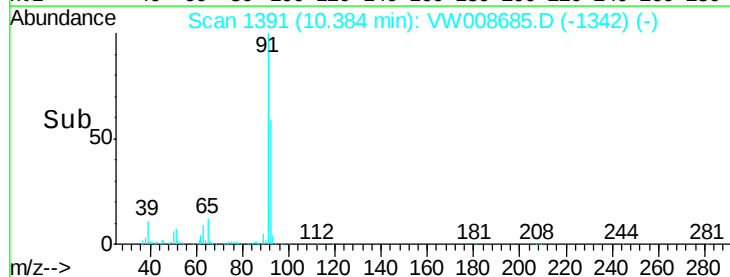
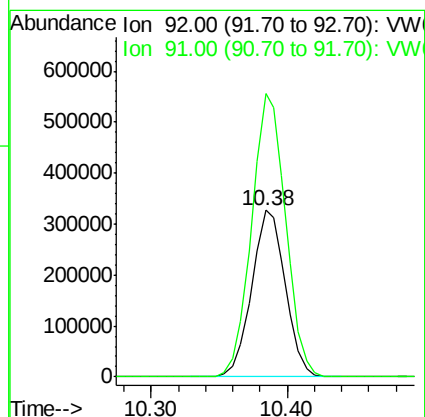
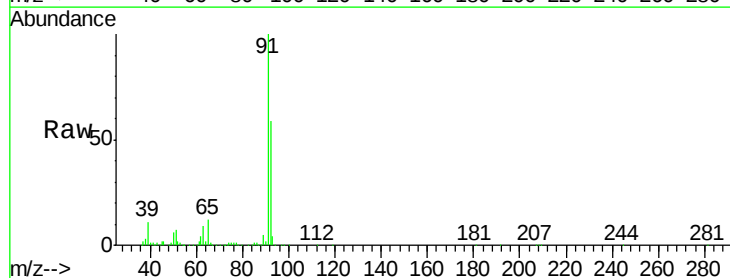
Acq: 15 Feb 2019 15:31

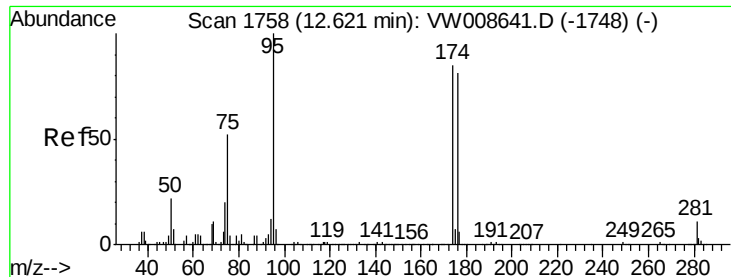
Tgt Ion: 92 Resp: 565755

Ion Ratio Lower Upper

92 100

91 171.7 135.8 203.6

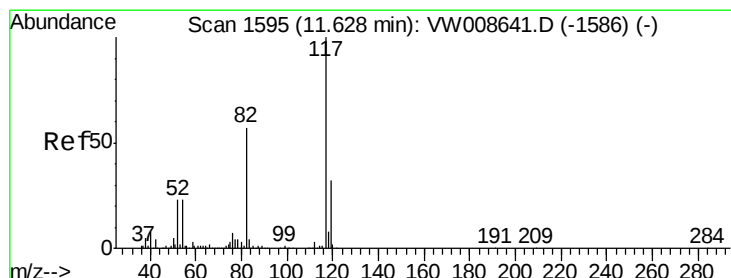
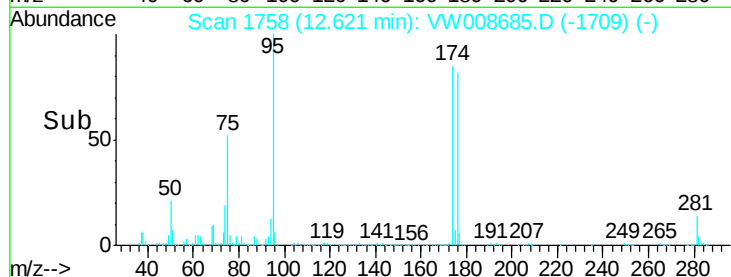
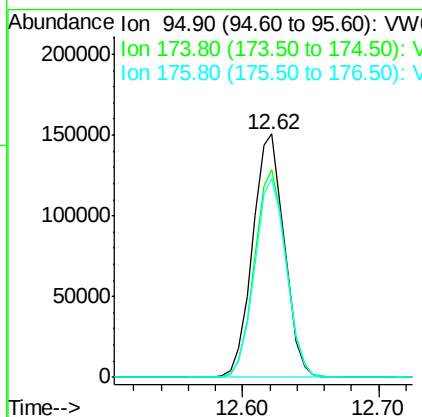
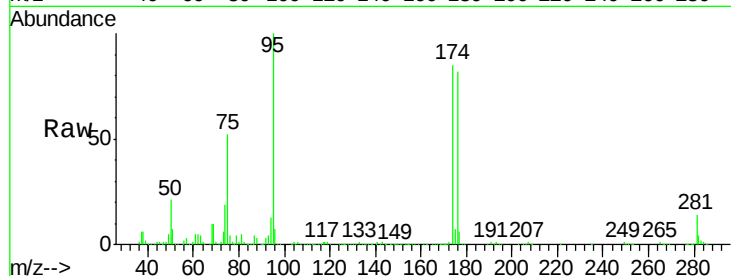




#62
4-Bromofluorobenzene
Concen: 44.321 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008685.D
Acq: 15 Feb 2019 15:31

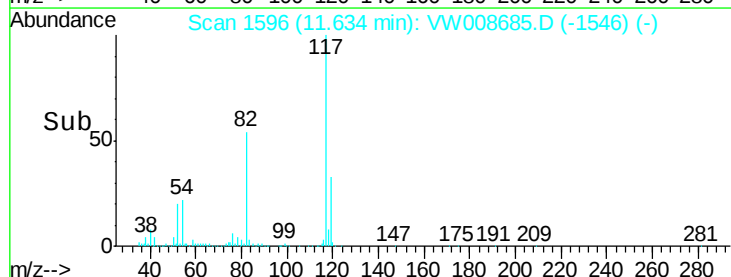
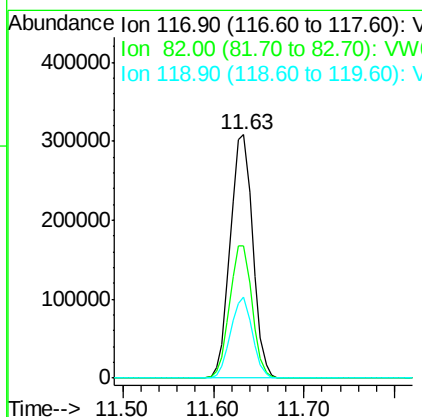
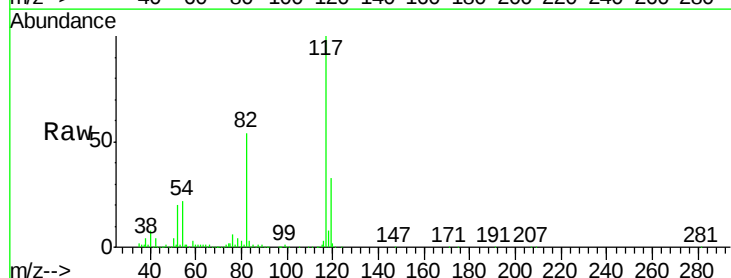
Instrument :
MSVOA_W
ClientSampleId :

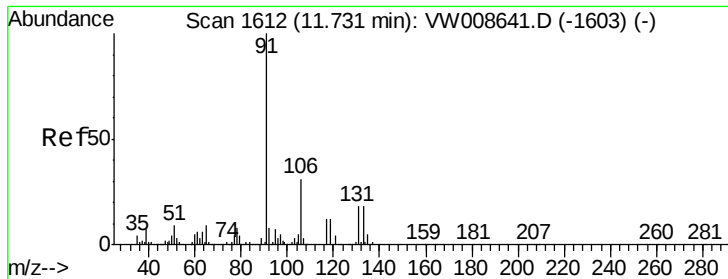
Tot Ion: 95 Resp: 245944
Ion Ratio Lower Upper
95 100
174 85.5 0.0 163.2
176 82.1 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008685.D
Acq: 15 Feb 2019 15:31

Tgt Ion: 117 Resp: 532544
Ion Ratio Lower Upper
117 100
82 54.2 45.6 68.4
119 33.3 25.7 38.5

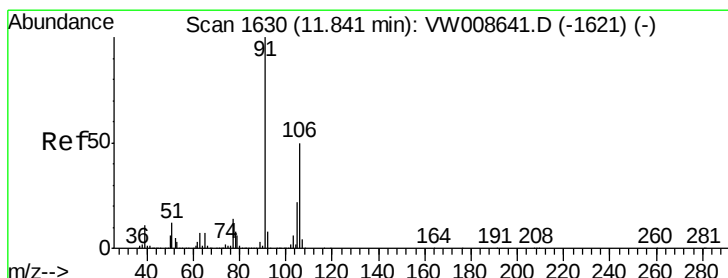
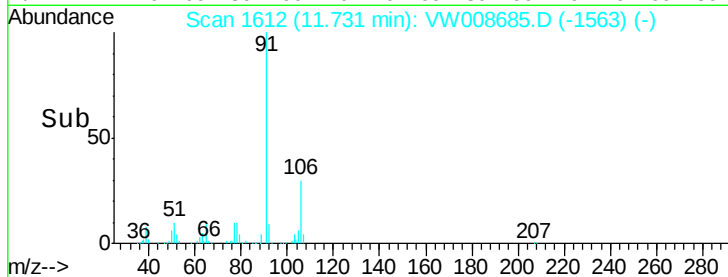
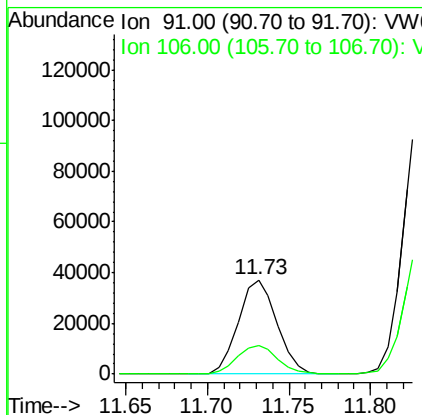
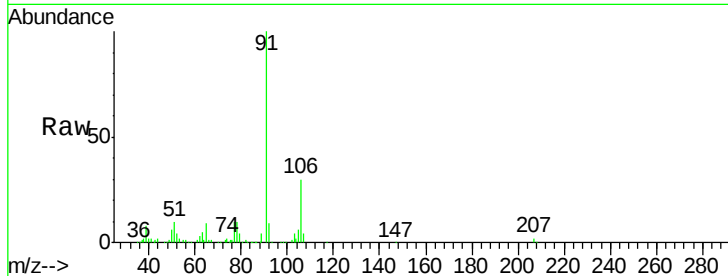




#67
Ethyl Benzene
Concen: 2.989 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008685.D
Acq: 15 Feb 2019 15:31

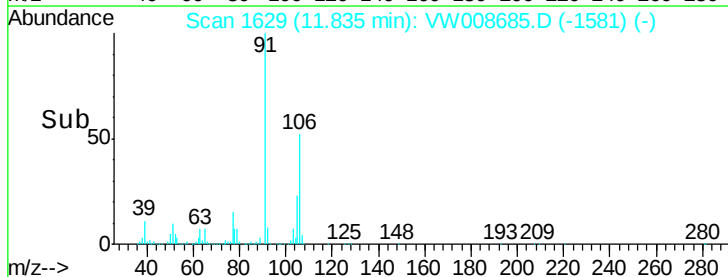
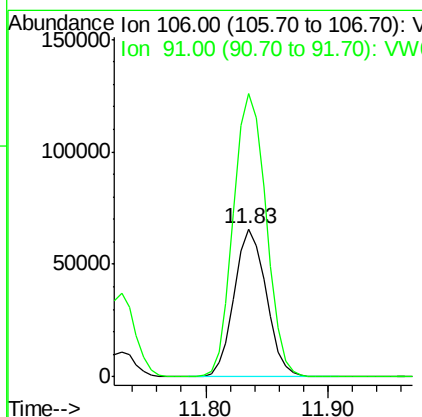
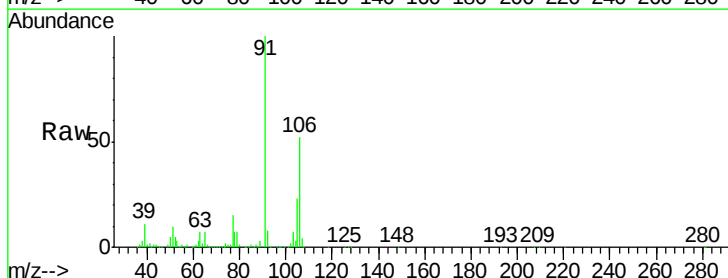
Instrument :
MSVOA_W
ClientSampleId :

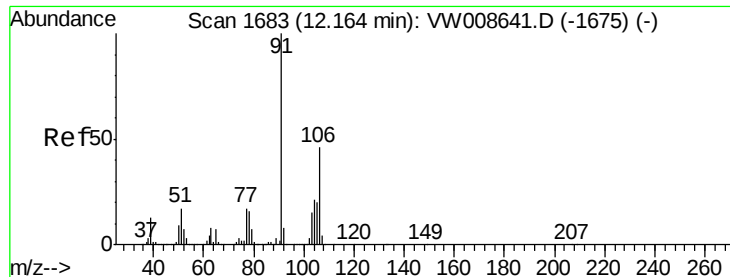
Tot Ion: 91 Resp: 61112
Ion Ratio Lower Upper
91 100
106 30.2 24.5 36.7



#68
m/p-Xylenes
Concen: 14.967 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008685.D
Acq: 15 Feb 2019 15:31

Tgt Ion: 106 Resp: 119067
Ion Ratio Lower Upper
106 100
91 195.7 161.0 241.4

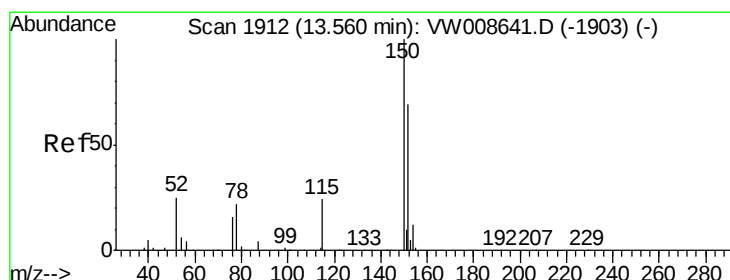
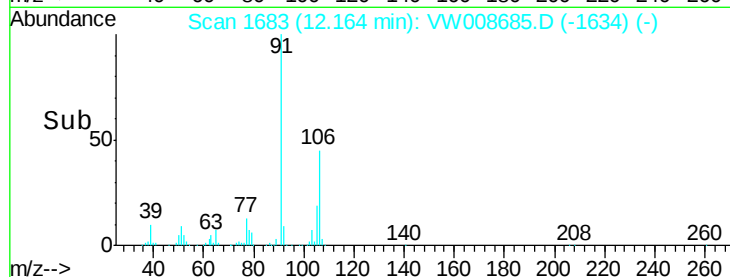
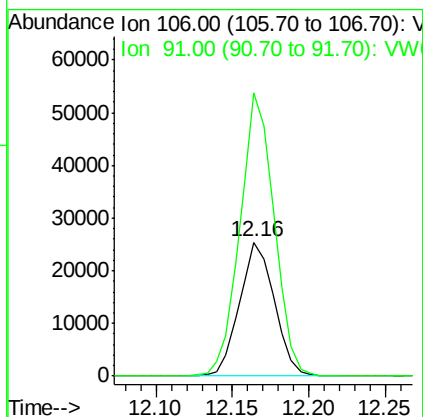
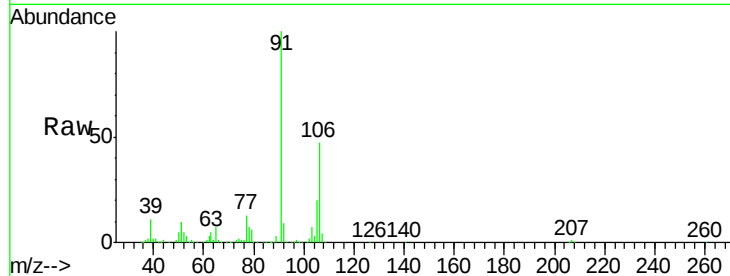




#69
o-Xylene
Concen: 5.358 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008685.D
Acq: 15 Feb 2019 15:31

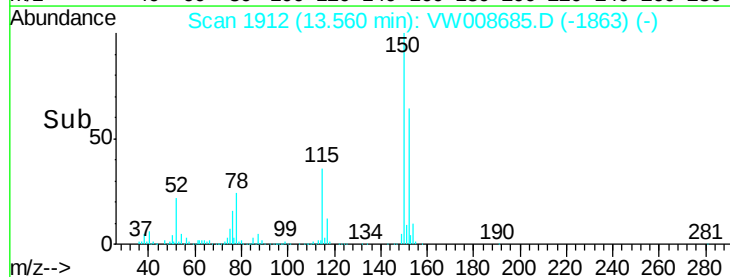
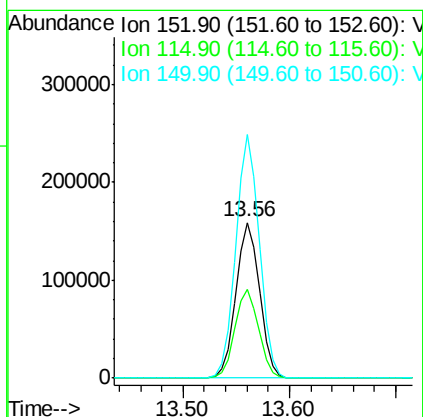
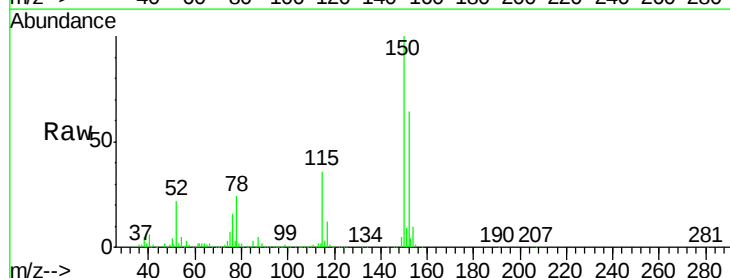
Instrument :
MSVOA_W
ClientSampled :

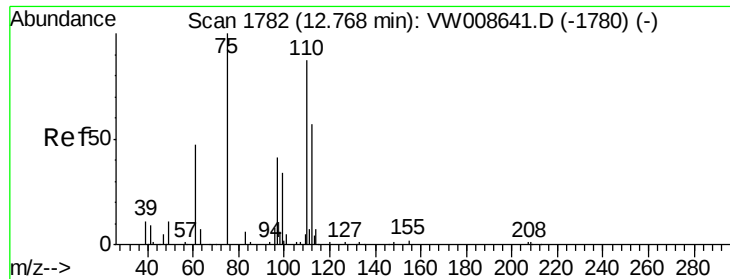
Tot Ion:106 Resp: 40293
Ion Ratio Lower Upper
106 100
91 207.1 106.7 320.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008685.D
Acq: 15 Feb 2019 15:31

Tgt Ion:152 Resp: 249749
Ion Ratio Lower Upper
152 100
115 56.9 29.3 87.8
150 154.9 0.0 352.8



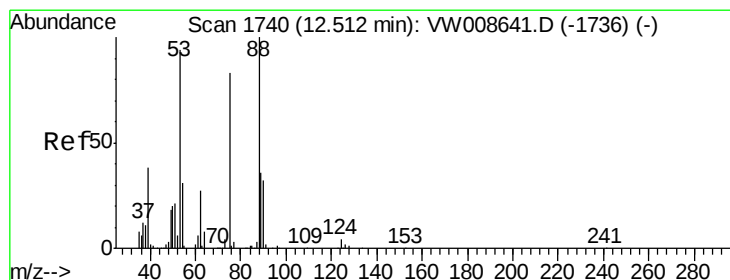
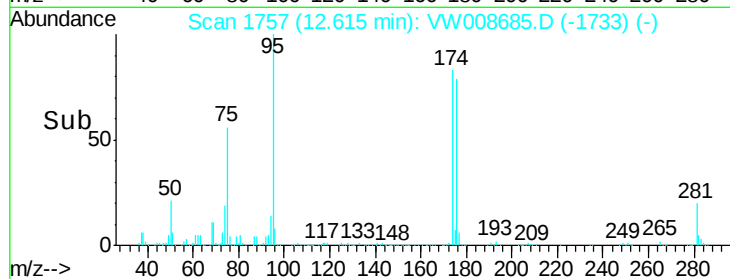
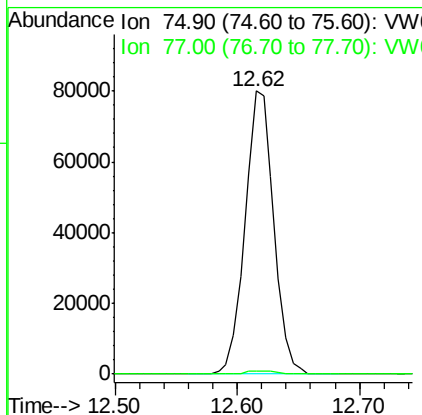
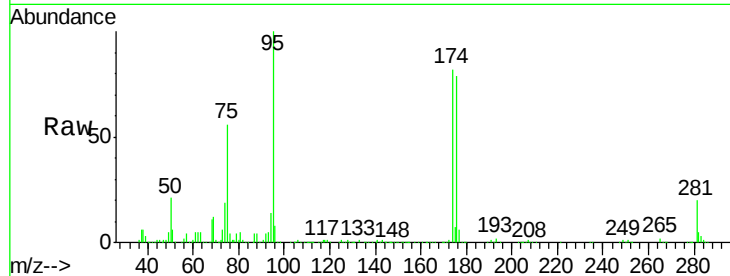


#76

1,2,3-Trichloropropane
Concen: 52.715 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008685.D
Acq: 15 Feb 2019 15:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 130002
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 112.888 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW008685.D
Acq: 15 Feb 2019 15:31

Tgt Ion: 75 Resp: 130002
Ion Ratio Lower Upper
75 100
53 0.1 87.4 131.0#
89 0.0 37.0 55.4#

