

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092519\
 Data File : VW013293.D
 Acq On : 25 Sep 2019 12:08
 Operator : SY/VA
 Sample : K5020-07
 Misc : 4.98G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 25 17:20:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	314715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	469864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169772	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	134409	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	7.88	113	132522	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
50) Toluene-d8	10.32	98	534523	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.62	95	169659	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	

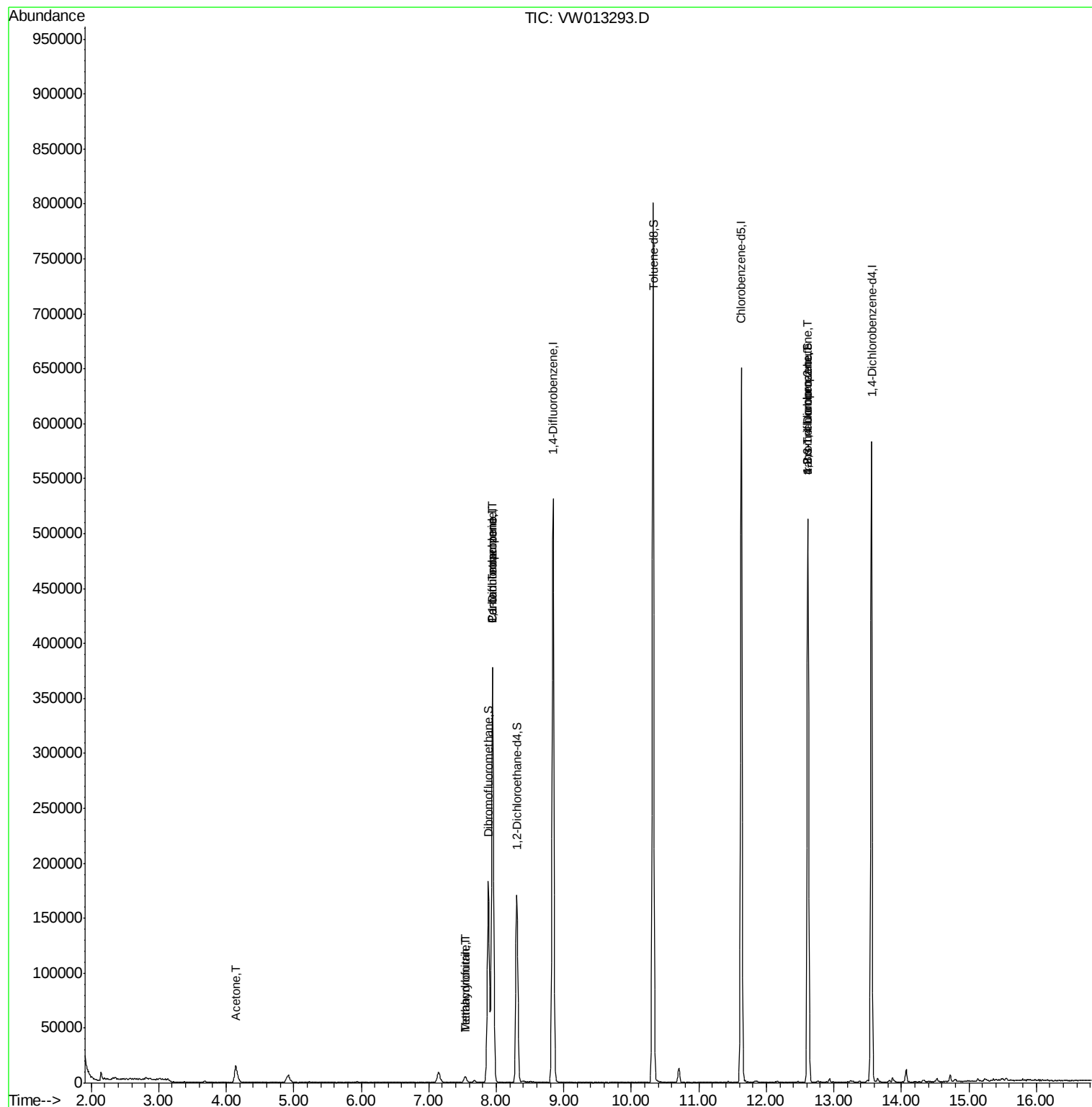
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	185	Below Cal	#	73
16) Acetone	4.14	43	31298	54.033	ug/l	90
20) Methylene Chloride	4.92	84	5694	Below Cal		93
26) 2,2-Dichloropropane	7.15	77	845	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	4763	8.932	ug/l	99
36) 1,1-Dichloropropene	7.95	75	20452	4.494	ug/l	# 49
38) Carbon Tetrachloride	7.95	117	27391	6.714	ug/l	# 18
41) Methacrylonitrile	7.54	41	2833	2.454	ug/l	# 46
76) 1,2,3-Trichloropropane	12.62	75	78903	52.626	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	78903	118.089	ug/l	# 12

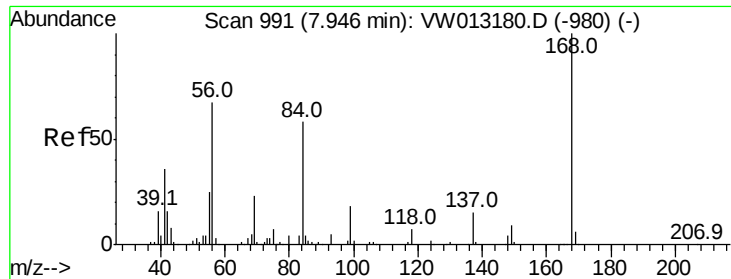
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013293.D

Acq: 25 Sep 2019 12:08

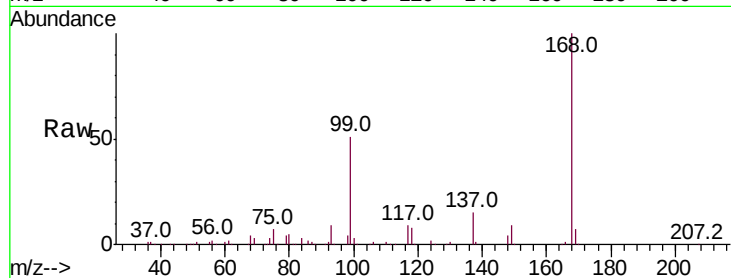
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 314715

Ion Ratio Lower Upper

168 100

99 51.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

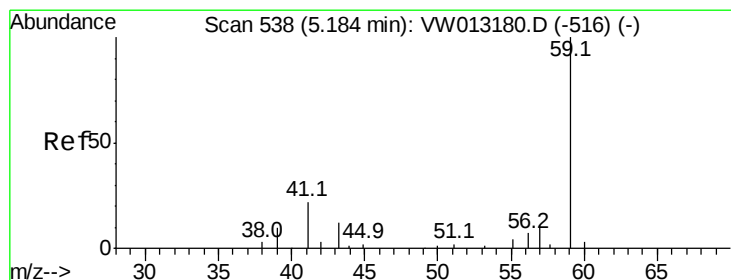
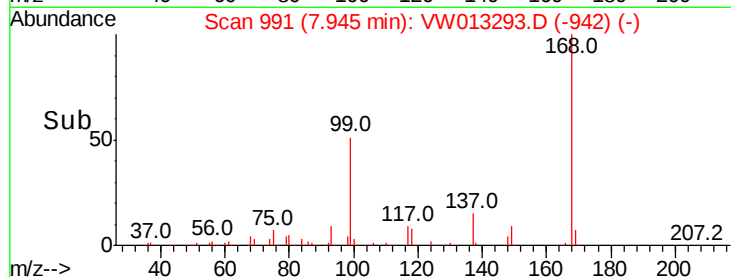
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.00 min

Lab File: VW013293.D

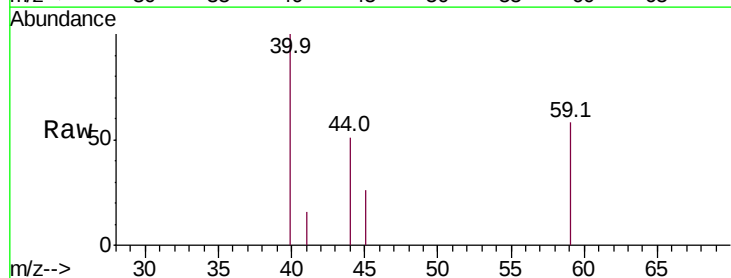
Acq: 25 Sep 2019 12:08

Tgt Ion: 59 Resp: 185

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

250

200

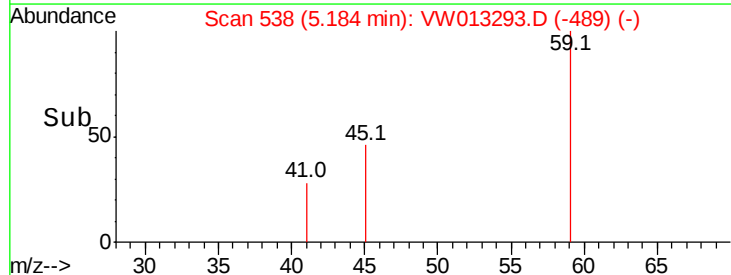
150

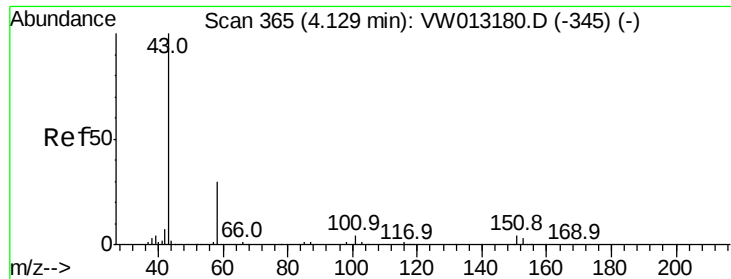
100

50

0

Time--> 5.16 5.17 5.18 5.19

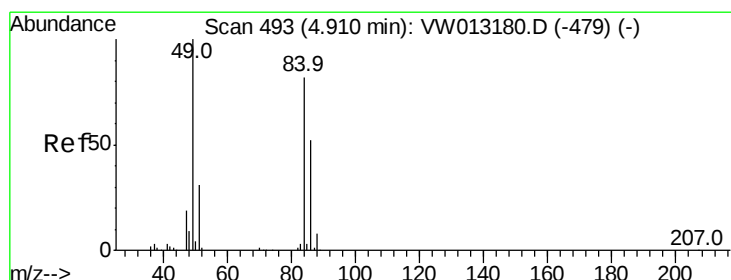
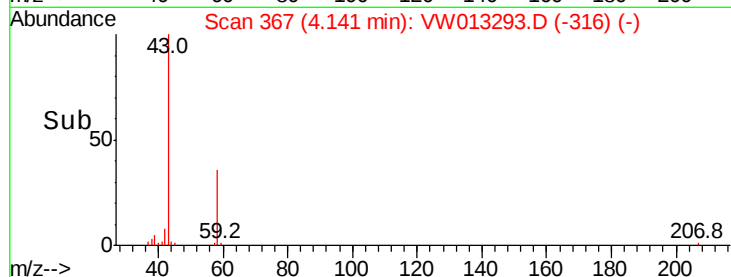
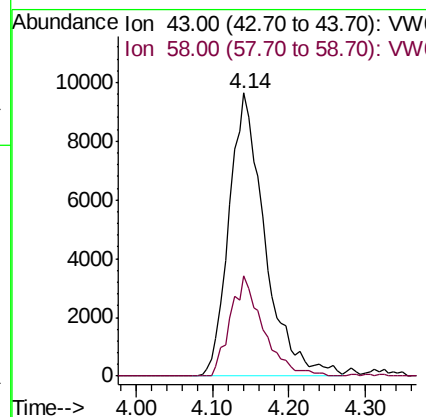
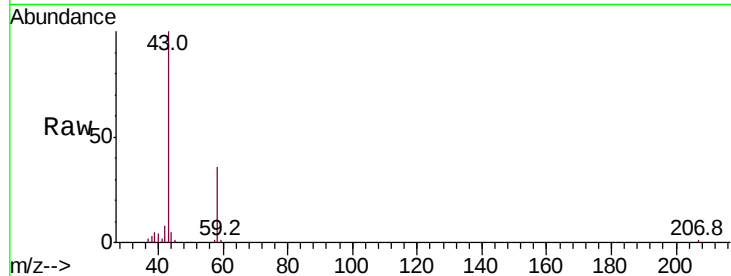




#16
Acetone
Concen: 54.033 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW013293.D
Acq: 25 Sep 2019 12:08

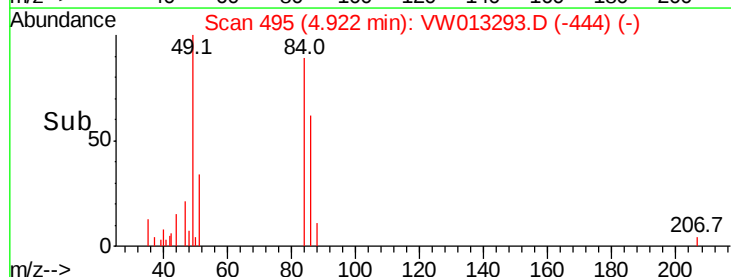
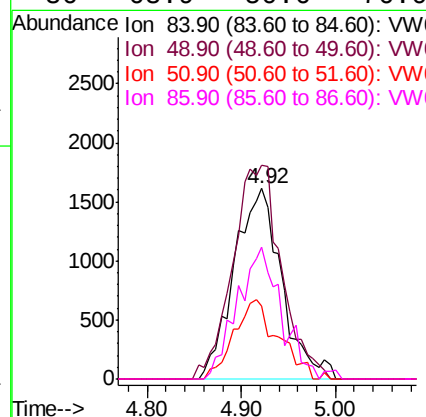
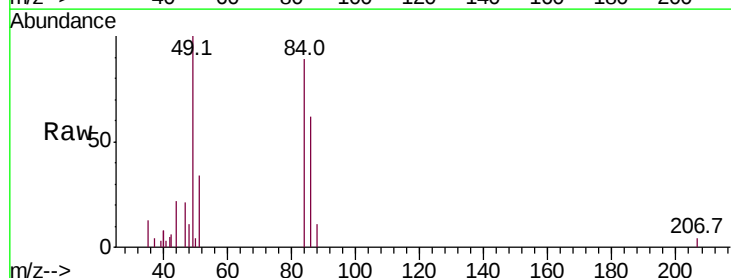
Instrument :
MSVOA_W
ClientSampled :

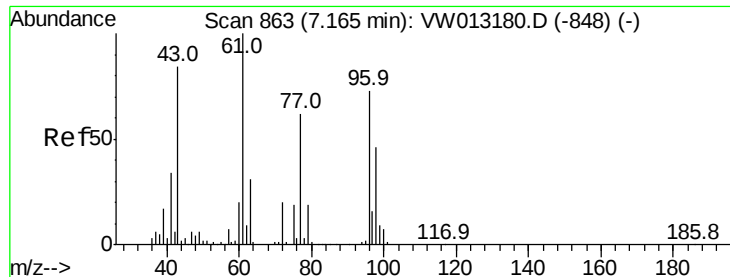
Tot Ion: 43 Resp: 31298
Ion Ratio Lower Upper
43 100
58 35.5 24.1 36.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013293.D
Acq: 25 Sep 2019 12:08

Tgt Ion: 84 Resp: 5694
Ion Ratio Lower Upper
84 100
49 112.0 97.6 146.4
51 38.3 30.2 45.2
86 68.9 50.6 76.0





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013293.D

Acq: 25 Sep 2019 12:08

Instrument :

MSVOA_W

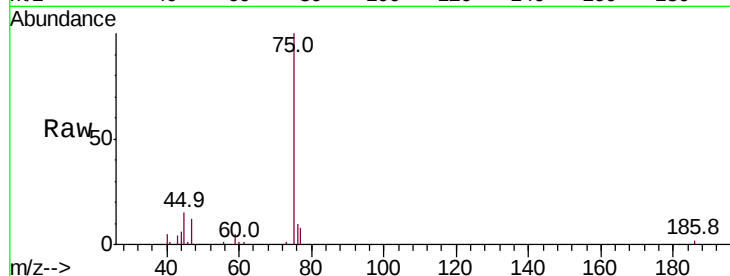
ClientSampleId :

Tot Ion: 77 Resp: 845

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.15

400

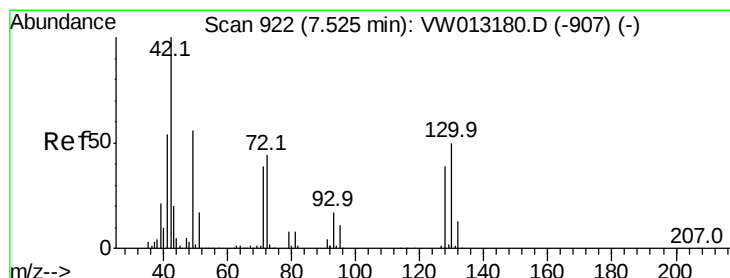
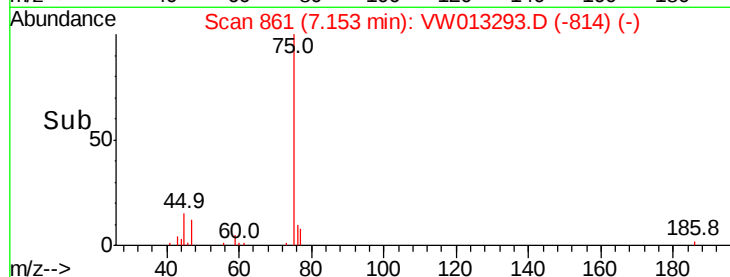
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 8.932 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW013293.D

Acq: 25 Sep 2019 12:08

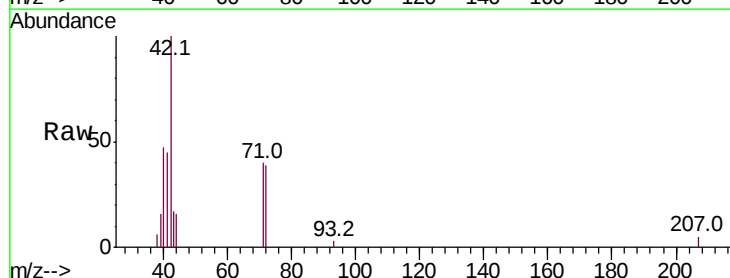
Tgt Ion: 42 Resp: 4763

Ion Ratio Lower Upper

42 100

72 43.4 33.9 50.9

71 40.5 31.9 47.9



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

2000

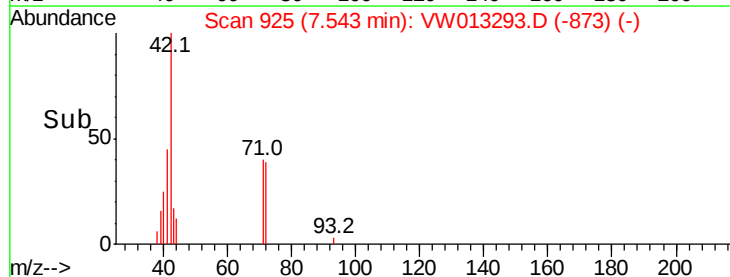
1500

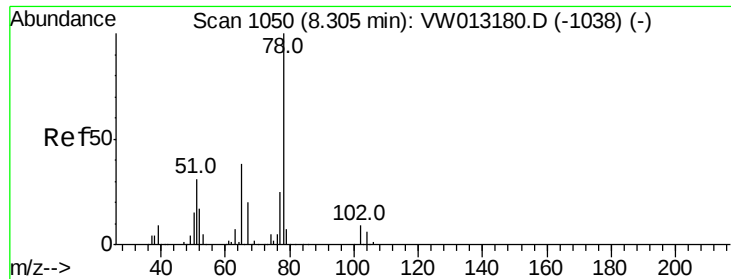
1000

500

0

Time-->

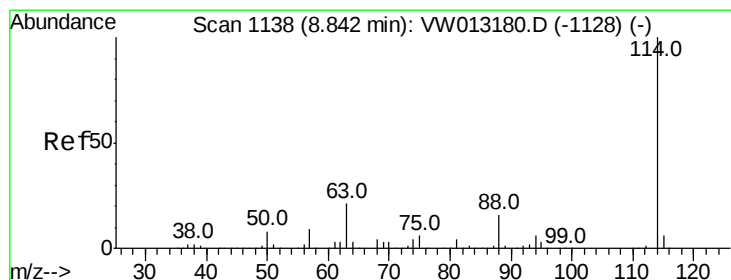
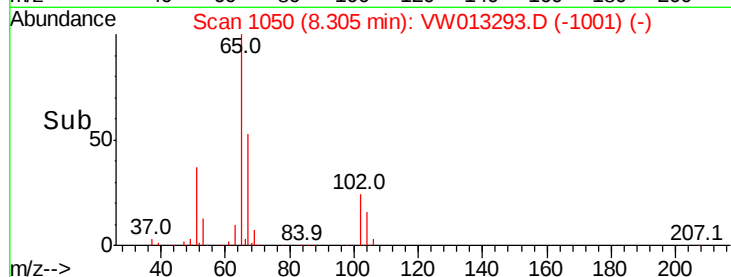
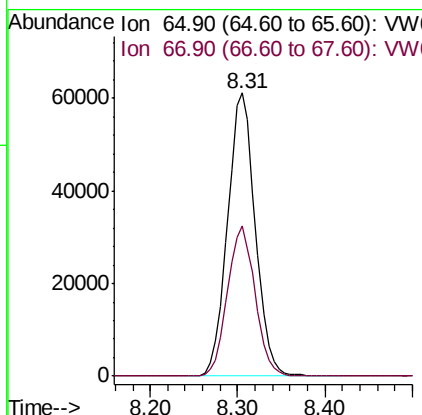
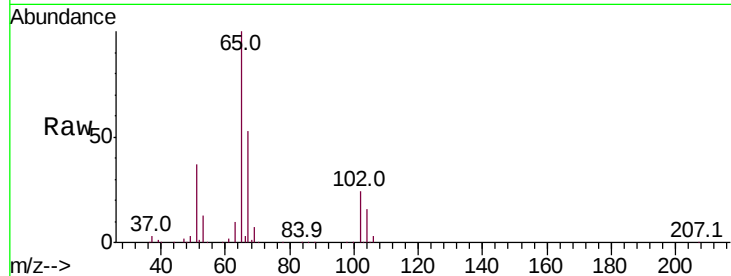




#33
 1,2-Dichloroethane-d4
 Concen: 52.329 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013293.D
 Acq: 25 Sep 2019 12:08

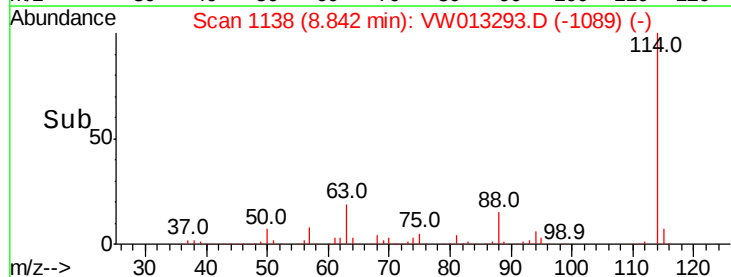
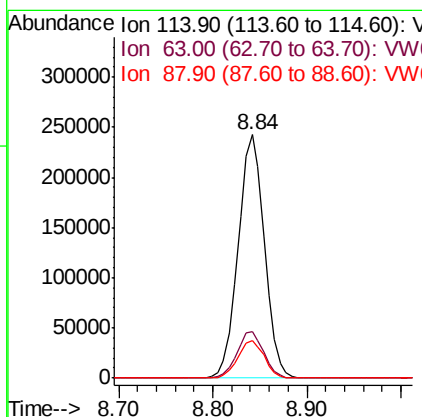
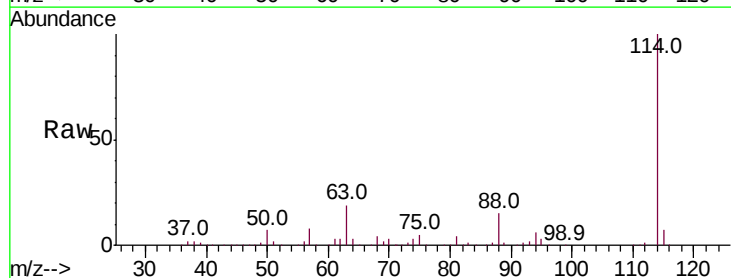
Instrument :
 MSVOA_W
 ClientSampleId :

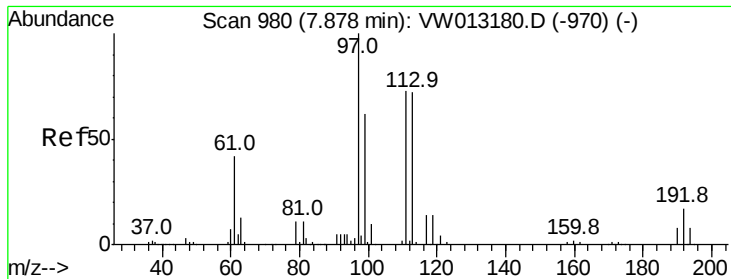
Tot Ion: 65 Resp: 134409
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013293.D
 Acq: 25 Sep 2019 12:08

Tgt Ion: 114 Resp: 469864
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 41.4
 88 15.2 0.0 32.0

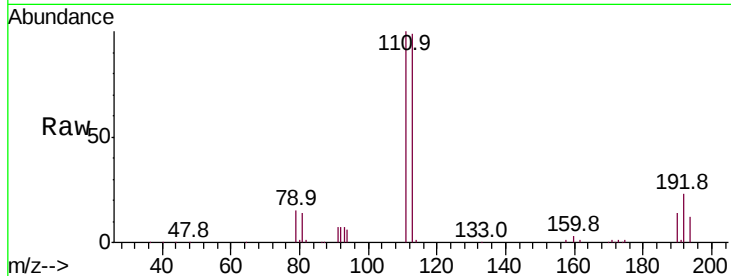




#35
 Dibromofluoromethane
 Concen: 51.281 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013293.D
 Acq: 25 Sep 2019 12:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.9	122.9
192	23.2	19.1	28.7

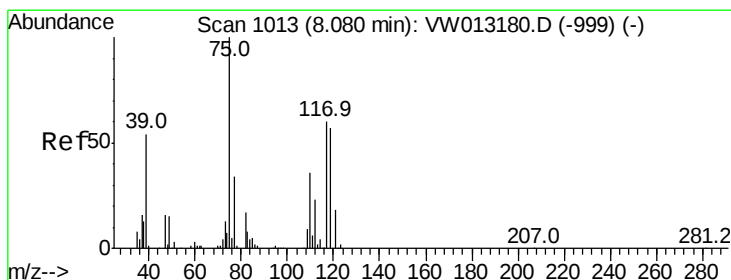
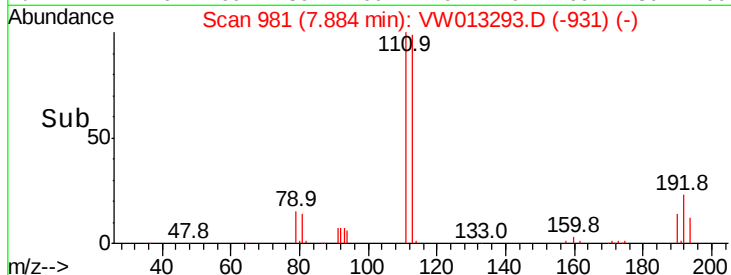
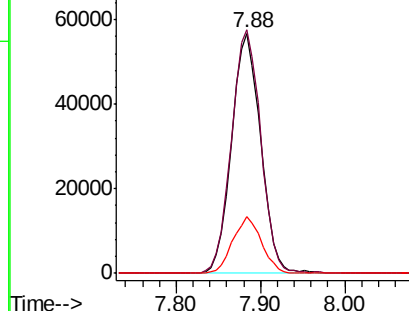


Abundance

Ion 112.80 (112.50 to 113.50): V

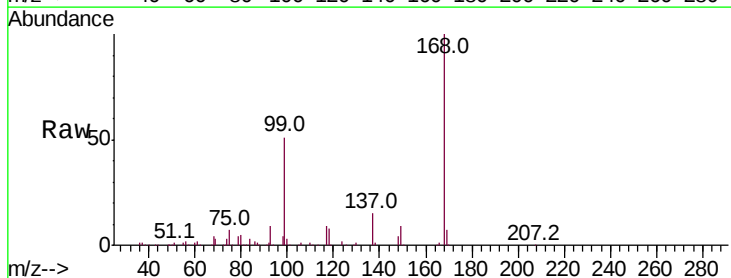
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.494 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013293.D
 Acq: 25 Sep 2019 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.3#
77	0.0	25.8	38.6#

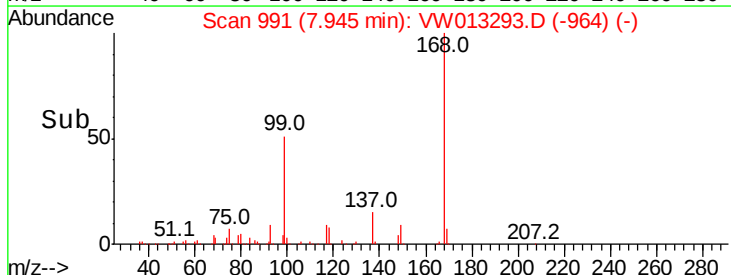
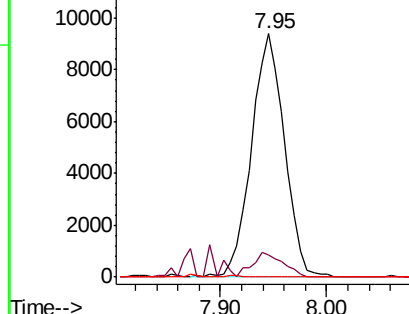


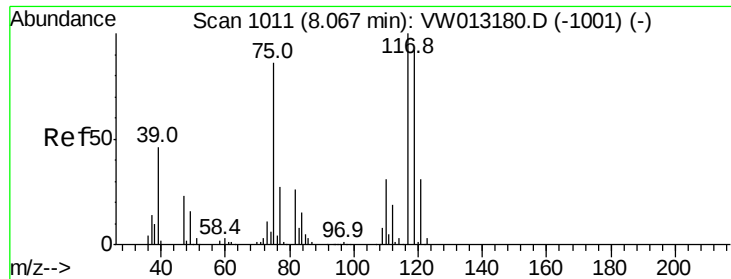
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.714 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013293.D

Acq: 25 Sep 2019 12:08

Instrument :
MSVOA_W
ClientSampleId :

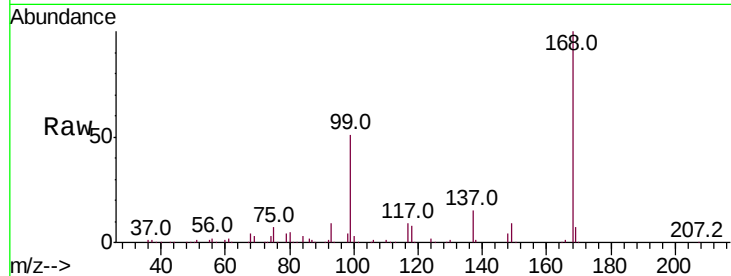
Tot Ion:117 Resp: 27391

Ion Ratio Lower Upper

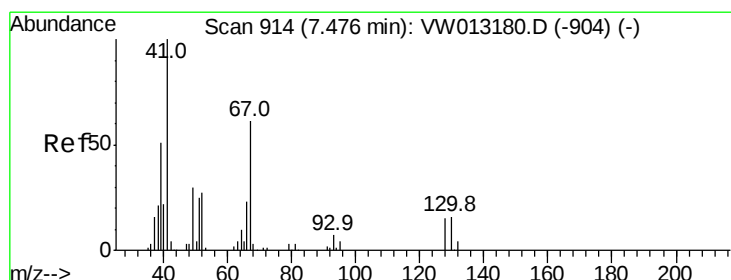
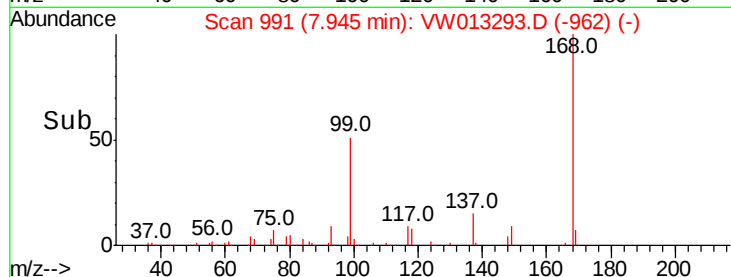
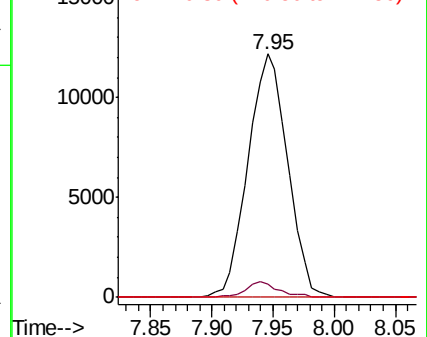
117 100

119 5.6 73.5 110.3#

121 0.0 25.0 37.6#



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: 2.454 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.06 min

Lab File: VW013293.D

Acq: 25 Sep 2019 12:08

Tgt Ion: 41 Resp: 2833

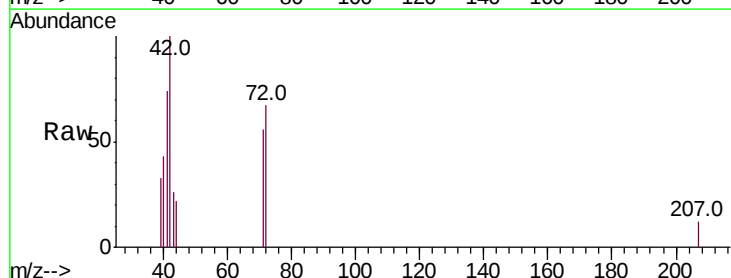
Ion Ratio Lower Upper

41 100

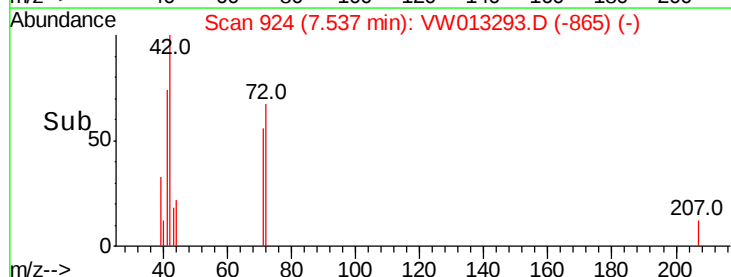
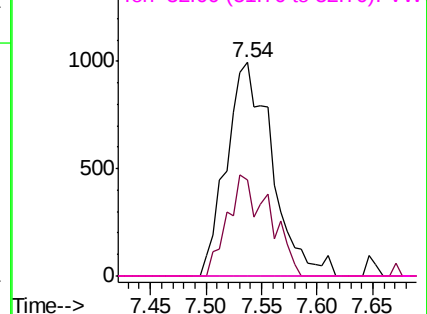
39 43.3 45.9 68.9#

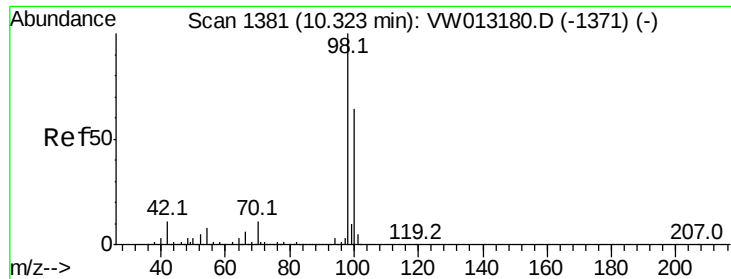
67 0.0 54.5 81.7#

52 0.0 22.5 33.7#



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

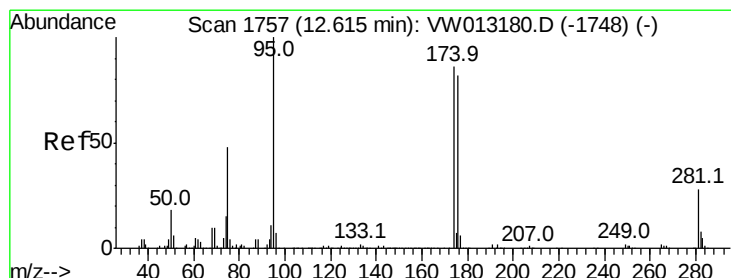
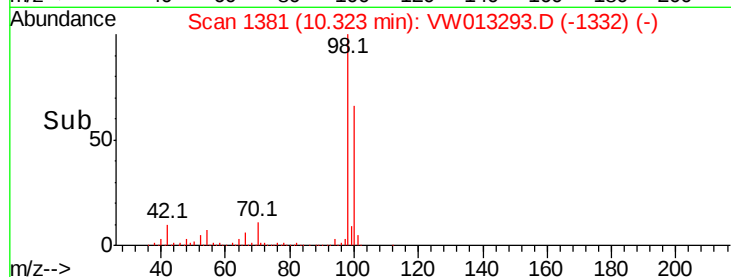
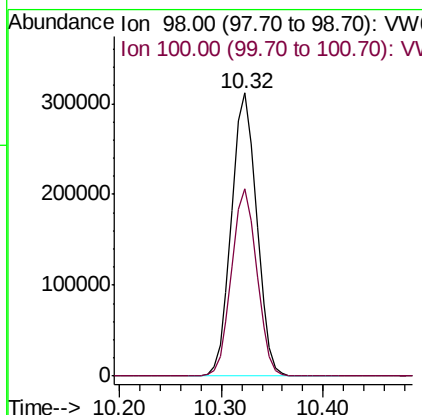
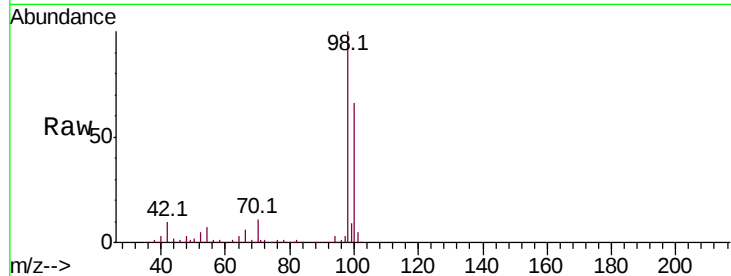




#50
Toluene-d8
Concen: 49.422 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013293.D
Acq: 25 Sep 2019 12:08

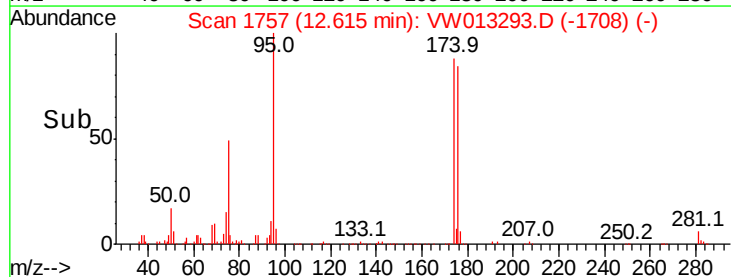
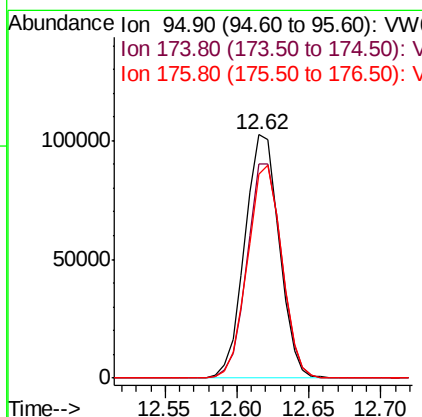
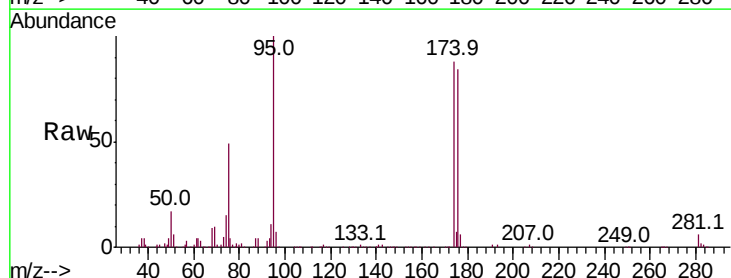
Instrument :
MSVOA_W
ClientSampleId :

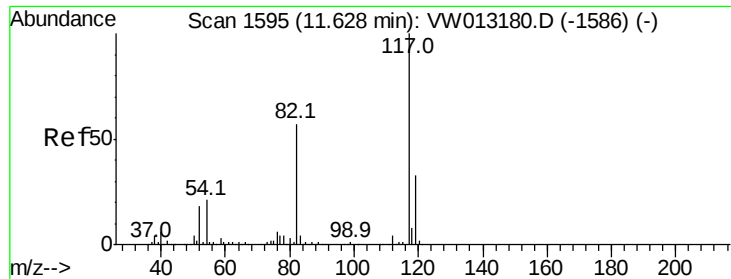
Tot Ion: 98 Resp: 534523
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.923 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013293.D
Acq: 25 Sep 2019 12:08

Tgt Ion: 95 Resp: 169659
Ion Ratio Lower Upper
95 100
174 88.2 0.0 178.4
176 86.8 0.0 172.2

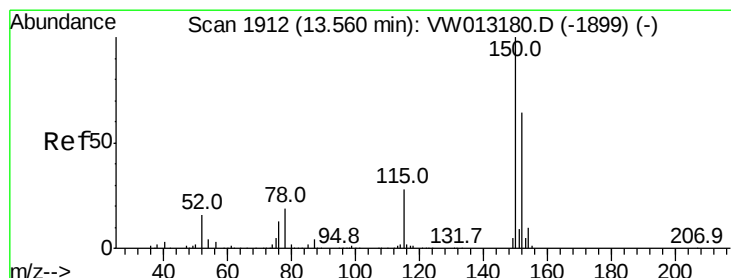
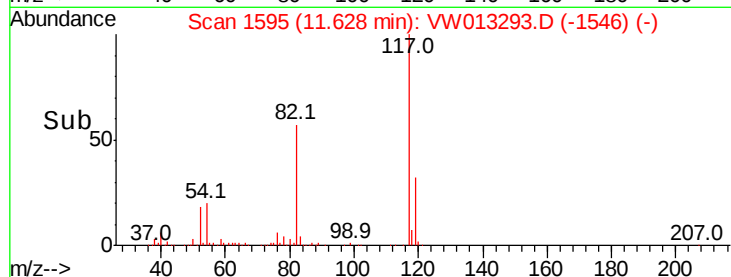
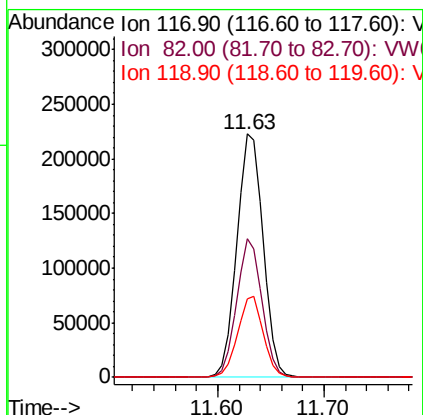
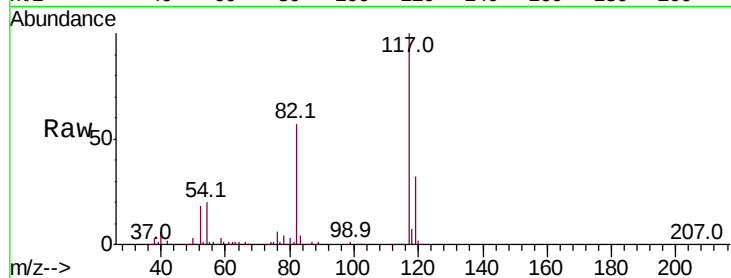




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013293.D
Acq: 25 Sep 2019 12:08

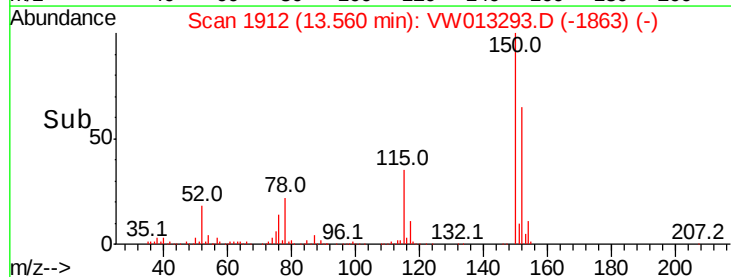
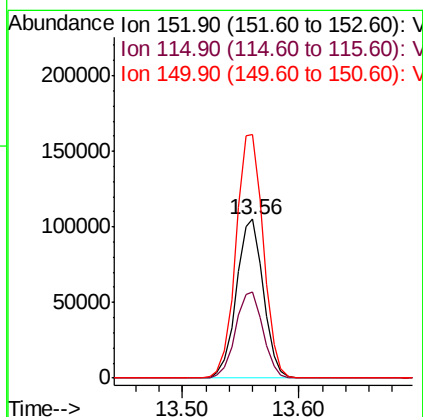
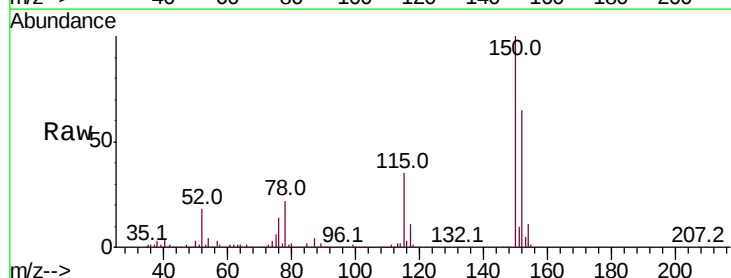
Instrument :
MSVOA_W
ClientSampled :

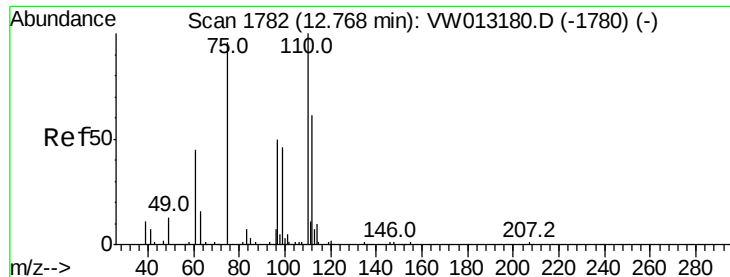
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.9	68.9
119	32.2	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013293.D
Acq: 25 Sep 2019 12:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.3	81.9
150	155.6	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 52.626 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013293.D

Acq: 25 Sep 2019 12:08

Instrument :

MSVOA_W

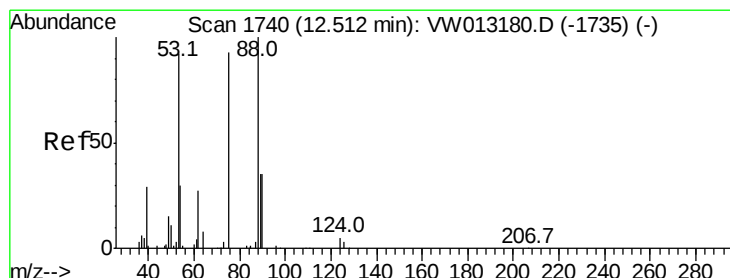
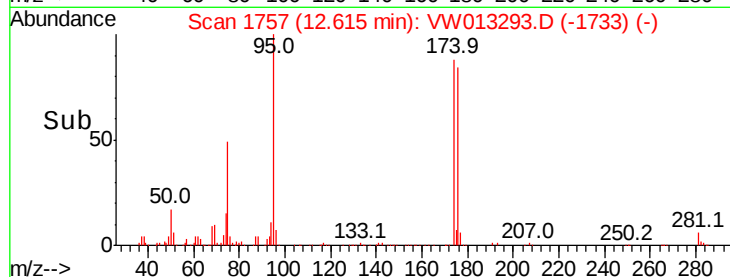
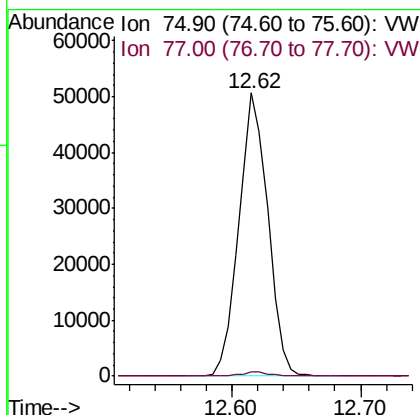
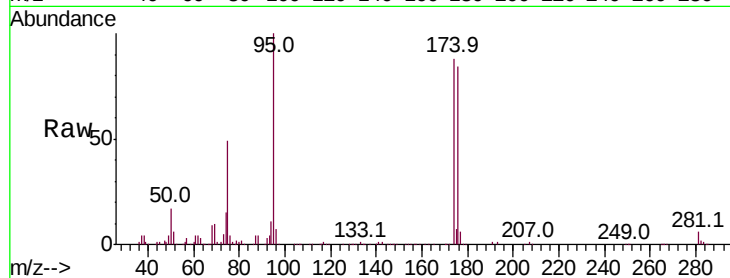
ClientSampled :

Tot Ion: 75 Resp: 78903

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.089 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013293.D

Acq: 25 Sep 2019 12:08

Tgt Ion: 75 Resp: 78903

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#

