

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
 Data File : VW011941.D
 Acq On : 15 Aug 2019 20:52
 Operator : SY/VA
 Sample : K4354-02
 Misc : 4.31G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-02-081319

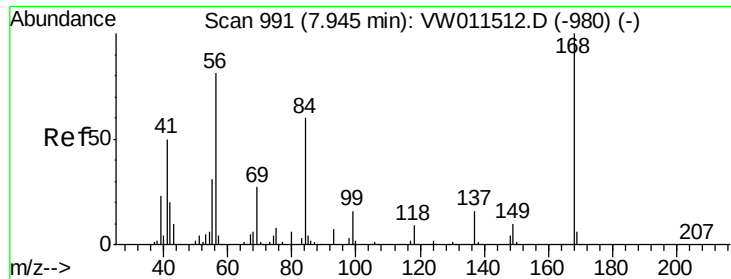
Quant Time: Aug 16 04:36:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	204762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	352004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120314	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	140343	59.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.38%	
35) Dibromofluoromethane	7.88	113	108748	55.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.14%	
50) Toluene-d8	10.32	98	431086	53.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.64%	
62) 4-Bromofluorobenzene	12.62	95	138585	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	254	Below Cal	#	72
16) Acetone	4.14	43	1566	2.094	ug/l #	85
20) Methylene Chloride	4.92	84	6444	2.498	ug/l	95
31) Cyclohexane	7.95	56	5431	1.235	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	18579	5.076	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21137	6.746	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	2751	1.366	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	74596	58.596	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74596	135.043	ug/l #	6
95) Naphthalene	15.38	128	65	2.079	ug/l #	52

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011941.D

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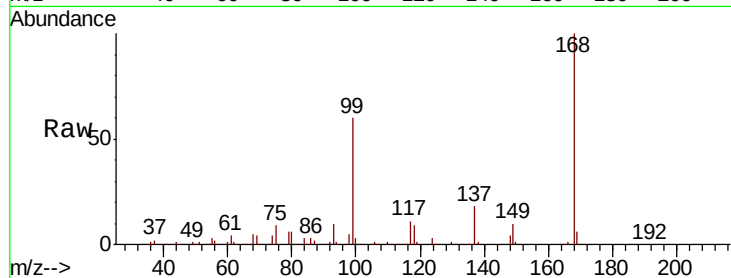
PX-02-081319

Tgt Ion:168 Resp: 204762

Ion Ratio Lower Upper

168 100

99 59.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

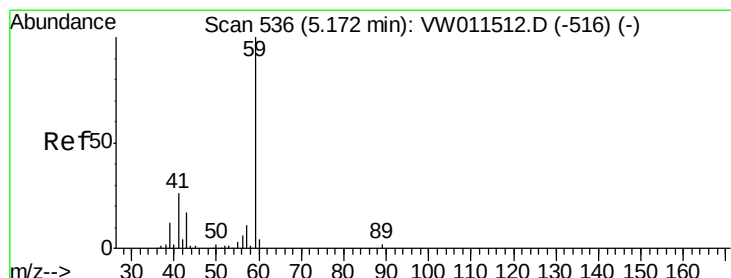
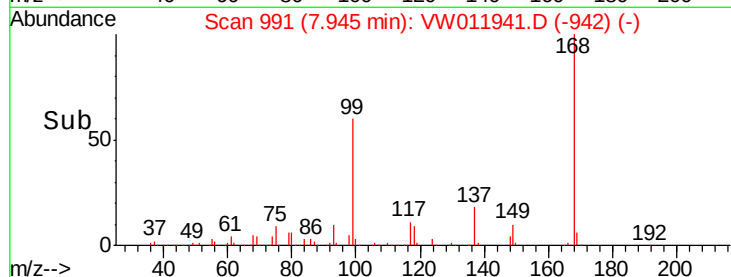
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW011941.D

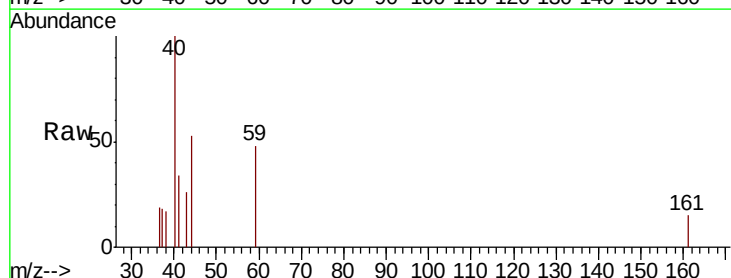
Acq: 15 Aug 2019 20:52

Tgt Ion: 59 Resp: 254

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

200

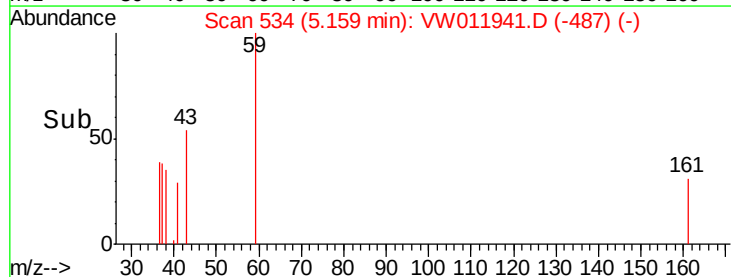
150

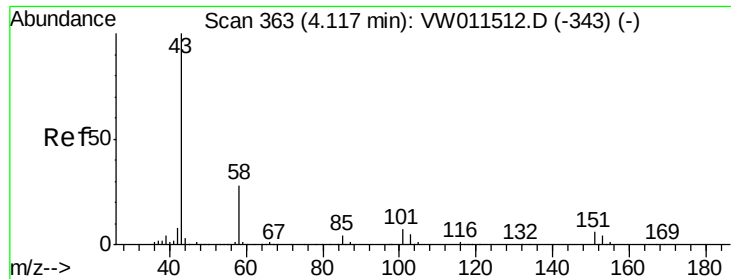
100

50

0

Time-->

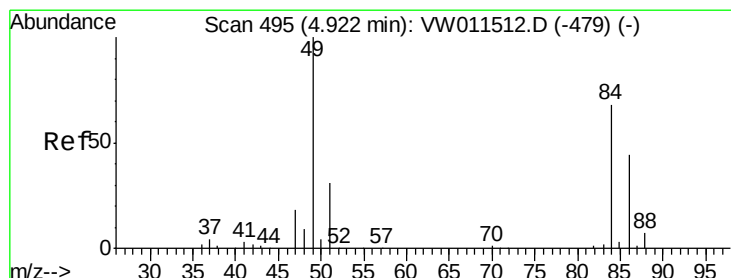
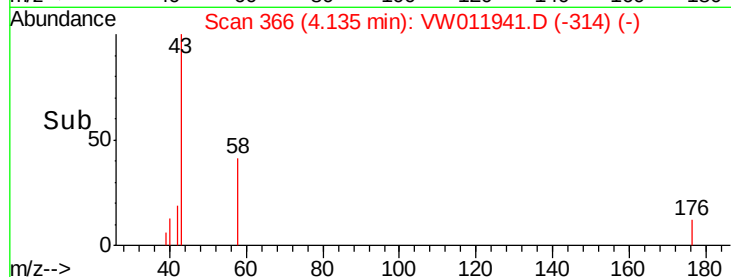
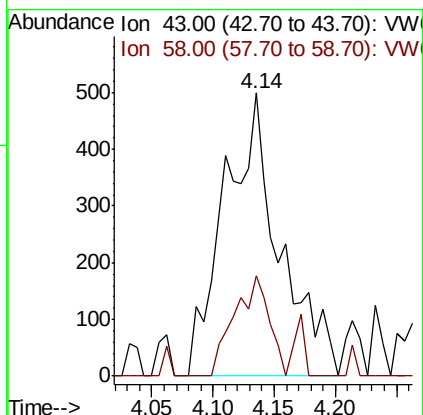
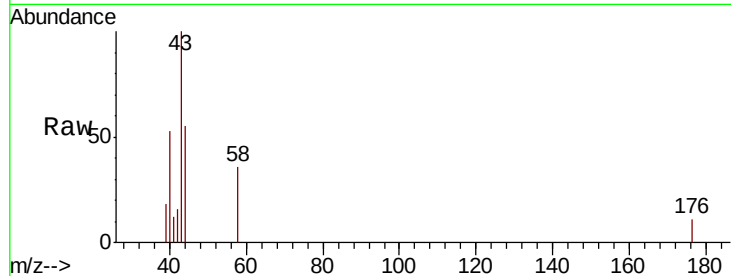




#16
Acetone
Concen: 2.094 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW011941.D
Acq: 15 Aug 2019 20:52

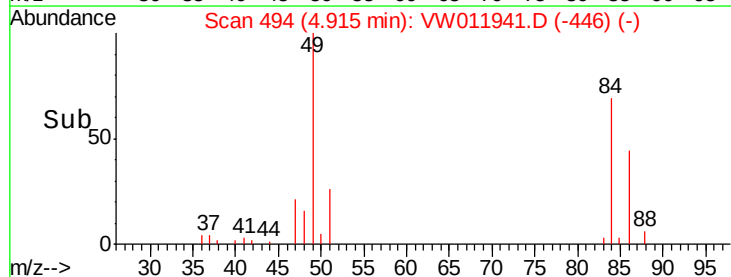
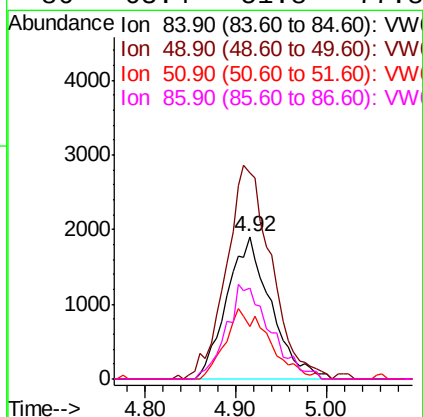
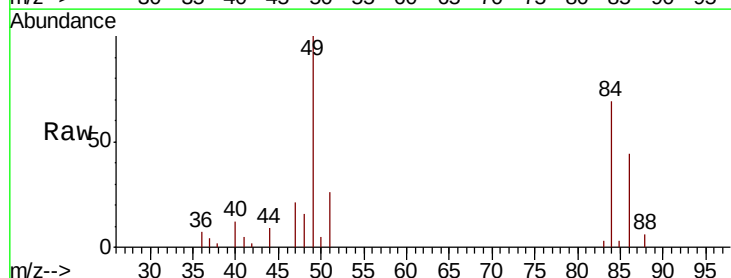
Instrument :
MSVOA_W
ClientSampleId :
PX-02-081319

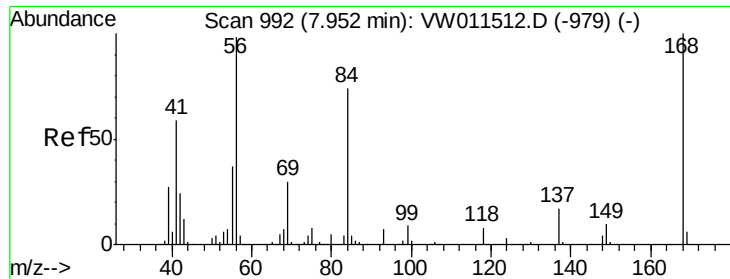
Tgt Ion: 43 Resp: 1566
Ion Ratio Lower Upper
43 100
58 35.7 22.3 33.5#



#20
Methylene Chloride
Concen: 2.498 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011941.D
Acq: 15 Aug 2019 20:52

Tgt Ion: 84 Resp: 6444
Ion Ratio Lower Upper
84 100
49 142.3 117.8 176.6
51 37.2 37.0 55.4
86 63.4 51.8 77.8

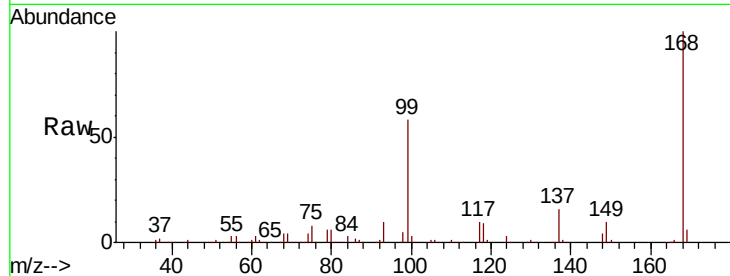




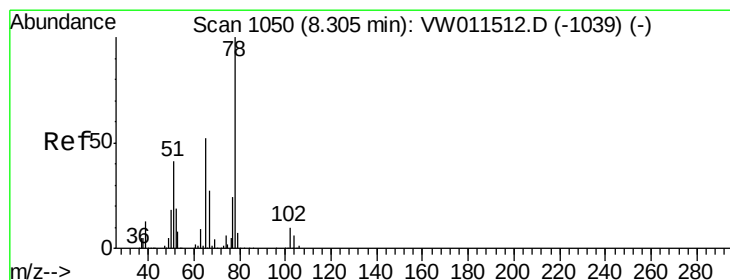
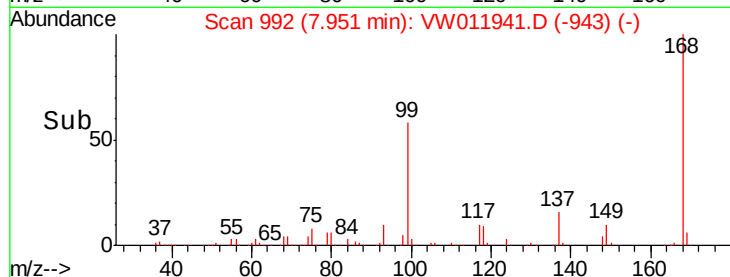
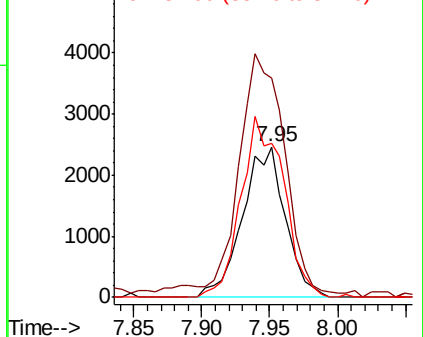
#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011941.D
Acq: 15 Aug 2019 20:52

Instrument :
MSVOA_W
ClientSampleId :
PX-02-081319

Tgt Ion: 56 Resp: 5431
Ion Ratio Lower Upper
56 100
69 143.4 24.3 36.5#
84 102.6 60.4 90.6#

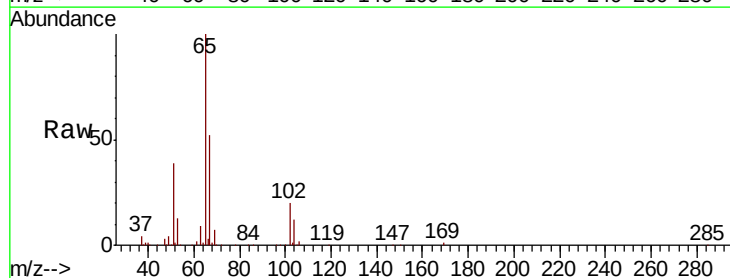


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

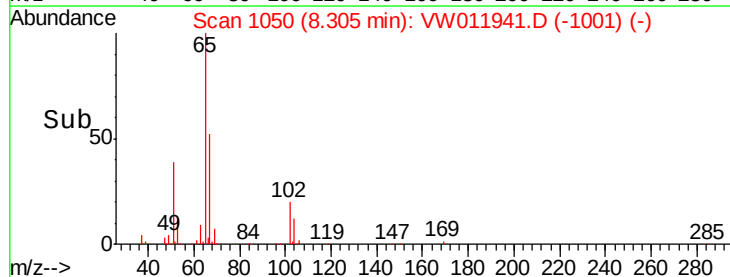
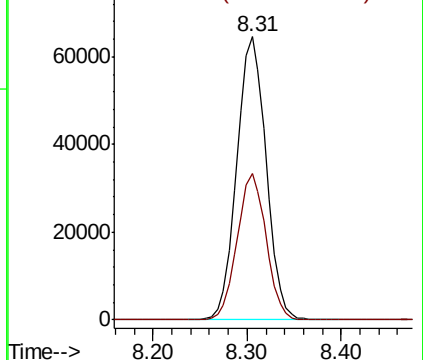


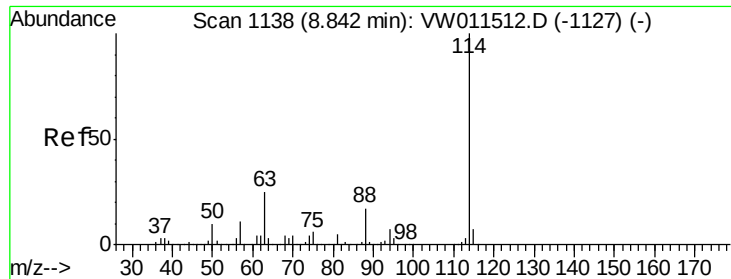
#33
1,2-Dichloroethane-d4
Concen: 59.689 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011941.D
Acq: 15 Aug 2019 20:52

Tgt Ion: 65 Resp: 140343
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.2



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

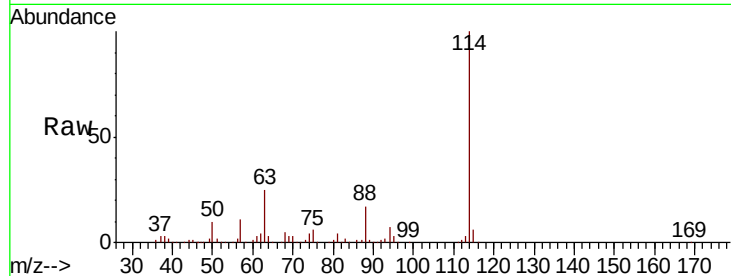




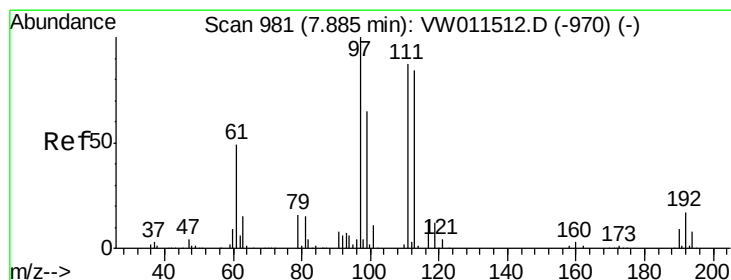
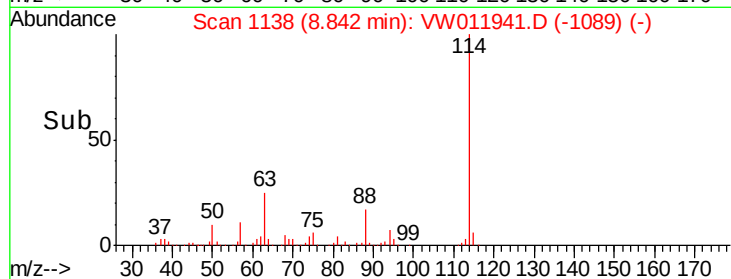
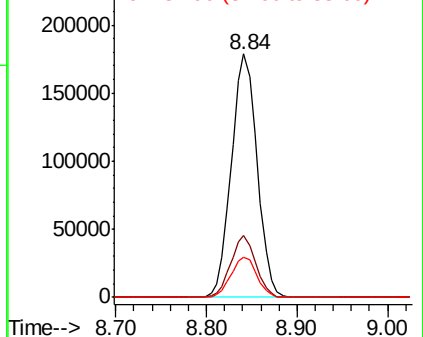
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011941.D
 Acq: 15 Aug 2019 20:52

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-02-081319

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	16.5	0.0	33.8

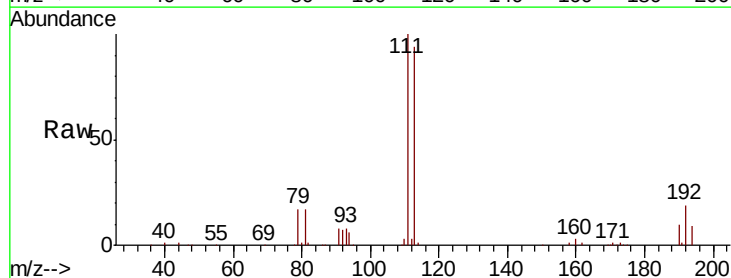


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

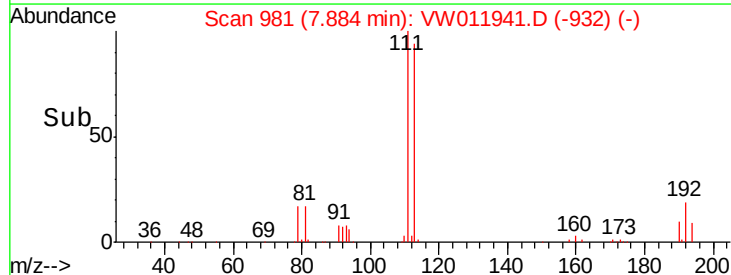
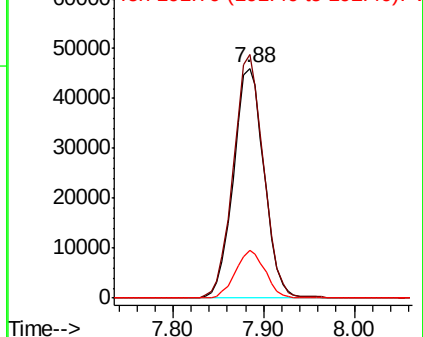


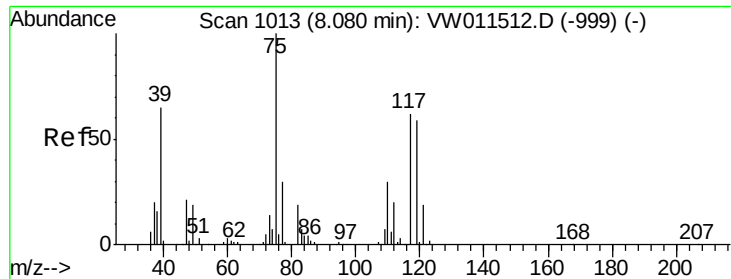
#35
 Dibromofluoromethane
 Concen: 55.068 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011941.D
 Acq: 15 Aug 2019 20:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.7	124.1
192	20.1	16.1	24.1



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

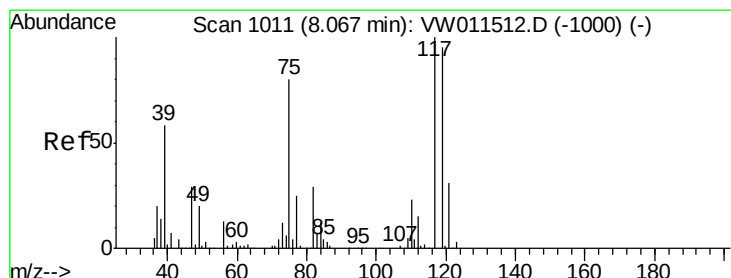
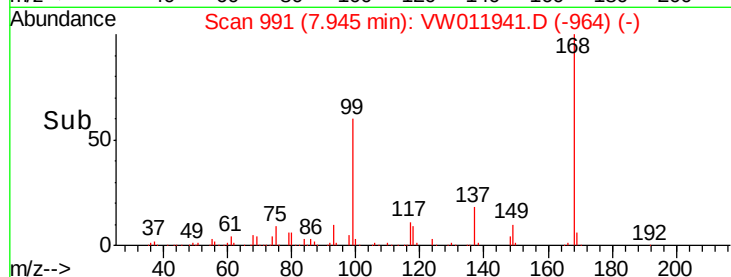
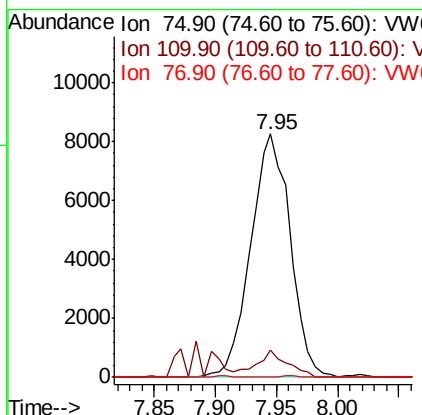
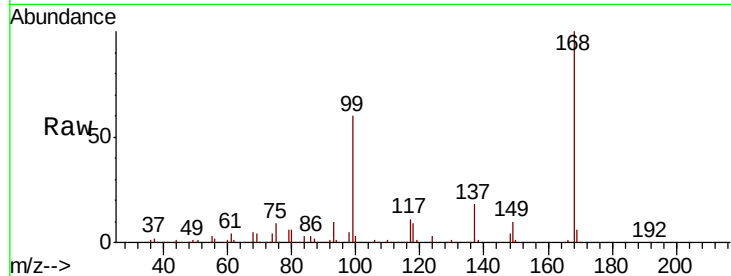




#36
 1,1-Dichloropropene
 Concen: 5.076 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011941.D
 Acq: 15 Aug 2019 20:52

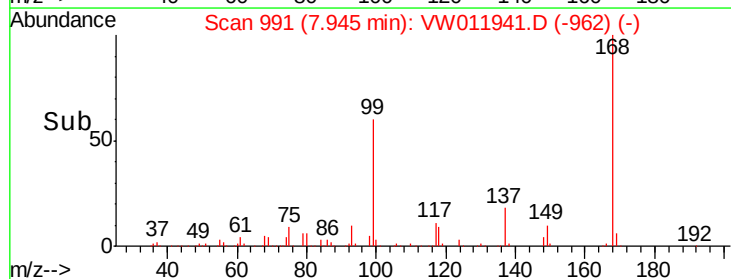
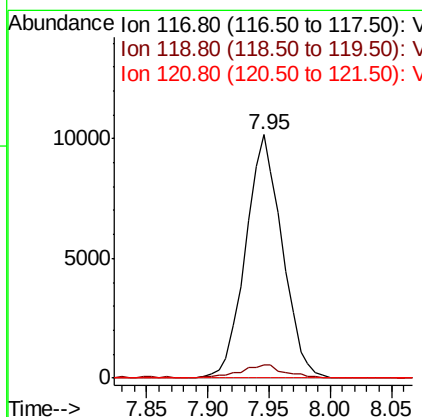
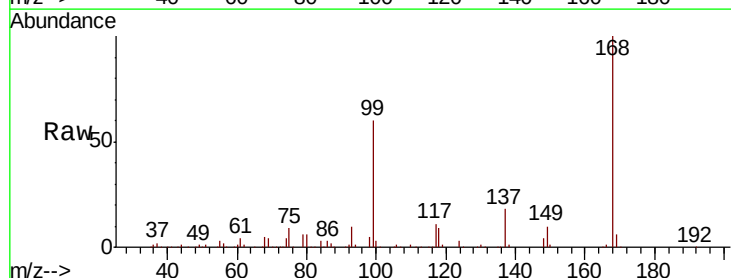
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 ClientSampleId :
 PX-02-081319

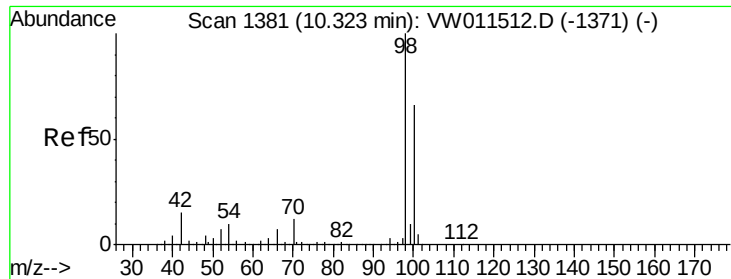
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	15.6	46.8#
77	0.2	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.746 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011941.D
 Acq: 15 Aug 2019 20:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 53.316 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011941.D

Acq: 15 Aug 2019 20:52

Instrument :

MSVOA_W

ClientSampled :

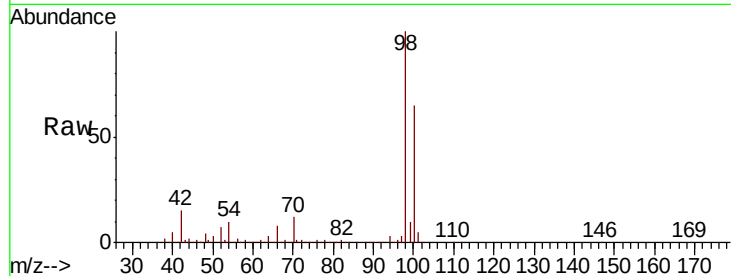
PX-02-081319

Tgt Ion: 98 Resp: 431086

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

150000

100000

50000

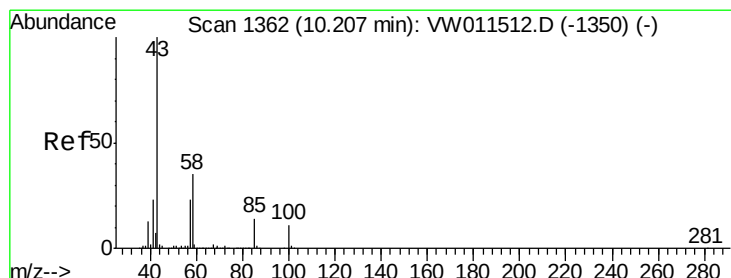
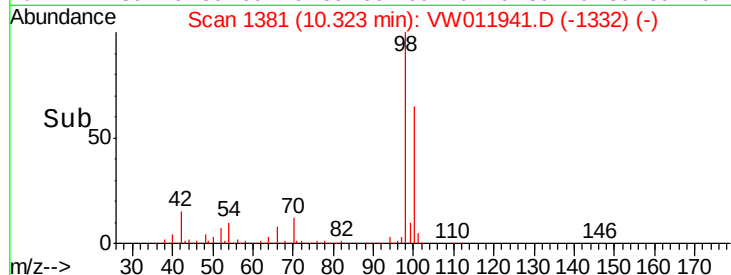
0

10.30

10.32

10.40

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.366 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW011941.D

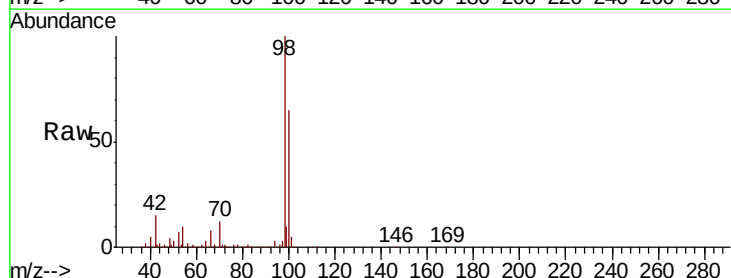
Acq: 15 Aug 2019 20:52

Tgt Ion: 43 Resp: 2751

Ion Ratio Lower Upper

43 100

58 158.7 28.2 42.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

2500

2000

1500

1000

500

0

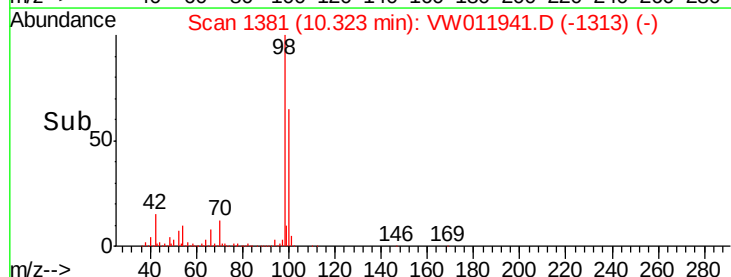
10.25

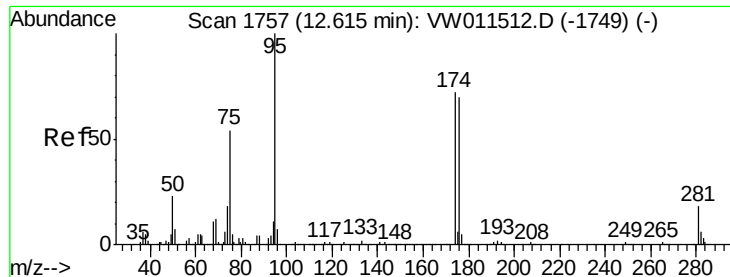
10.30

10.32

10.35

Time-->

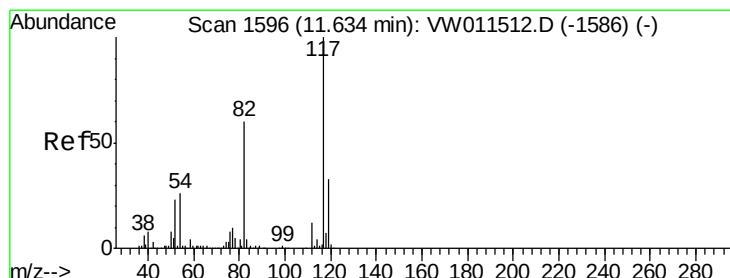
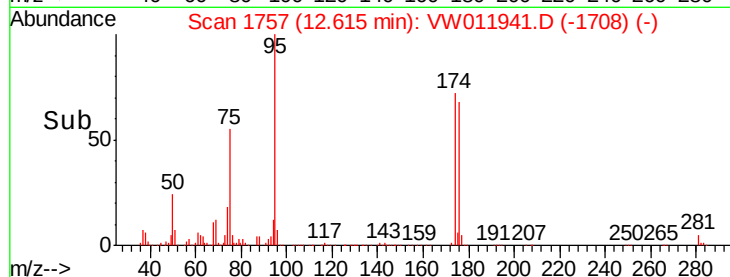
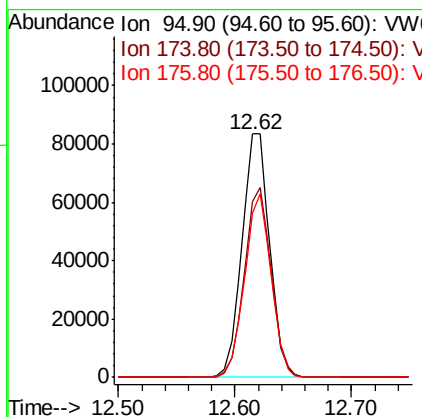
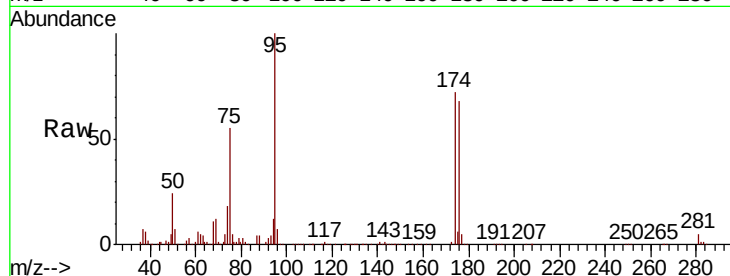




#62
4-Bromofluorobenzene
Concen: 48.076 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011941.D
Acq: 15 Aug 2019 20:52

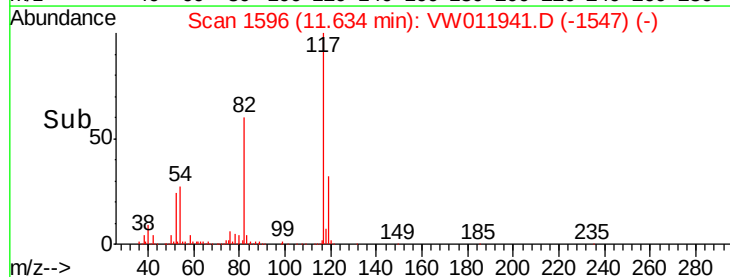
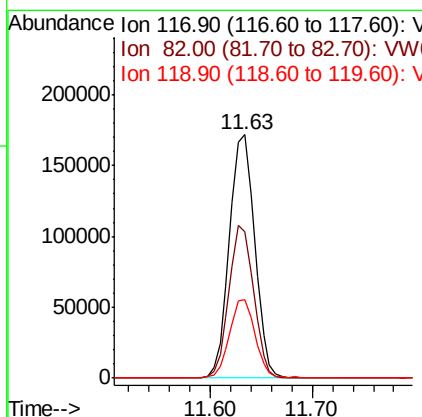
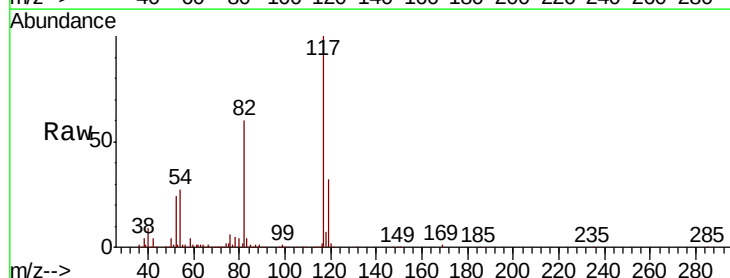
Instrument :
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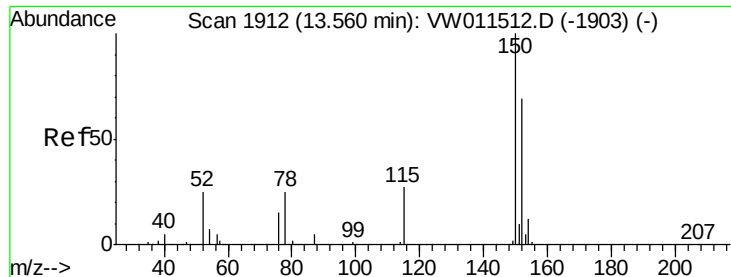
Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	150.2
176	72.5	0.0	144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011941.D
Acq: 15 Aug 2019 20:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.1	47.9	71.9
119	32.0	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: VW011941.D

Acq: 15 Aug 2019 20:52

Instrument :

MSVOA_W

ClientSampleId :

PX-02-081319

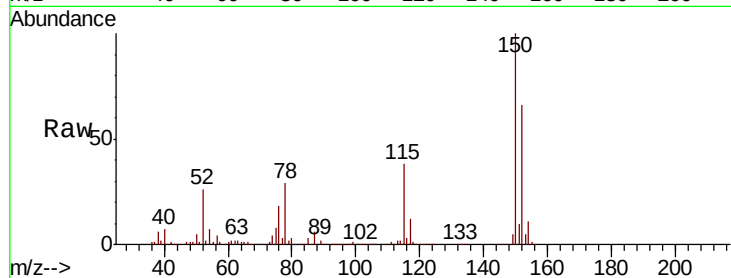
Tgt Ion:152 Resp: 120314

Ion Ratio Lower Upper

152 100

115 60.1 30.5 91.5

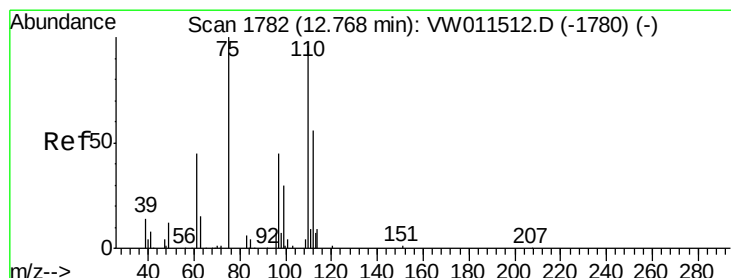
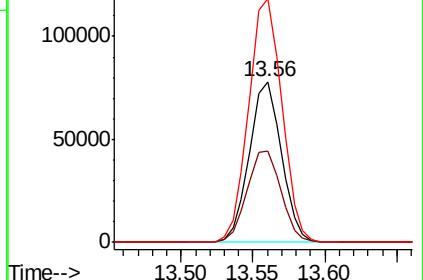
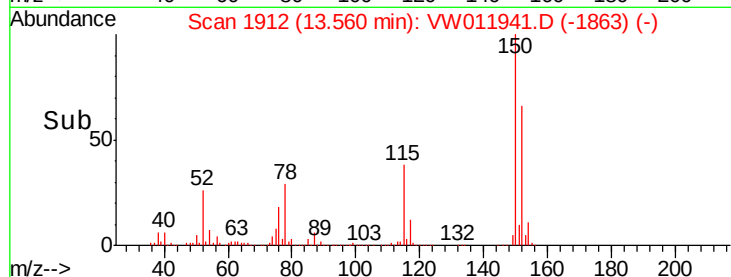
150 157.0 0.0 352.6



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: 58.596 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011941.D

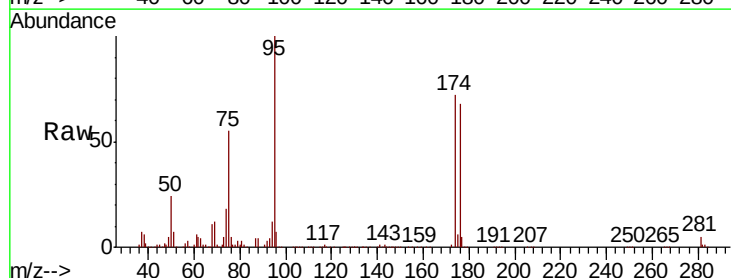
Acq: 15 Aug 2019 20:52

Tgt Ion: 75 Resp: 74596

Ion Ratio Lower Upper

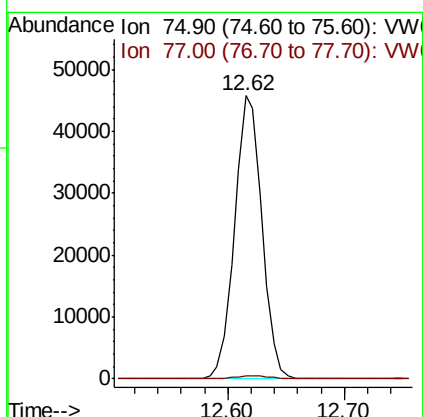
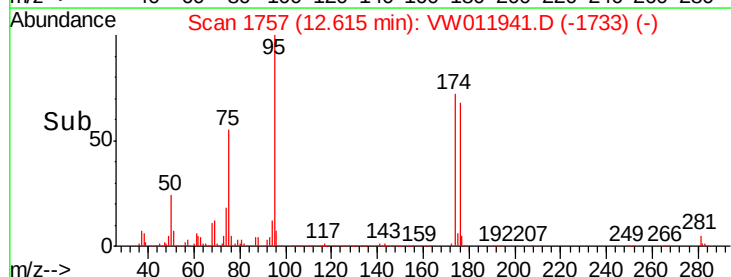
75 100

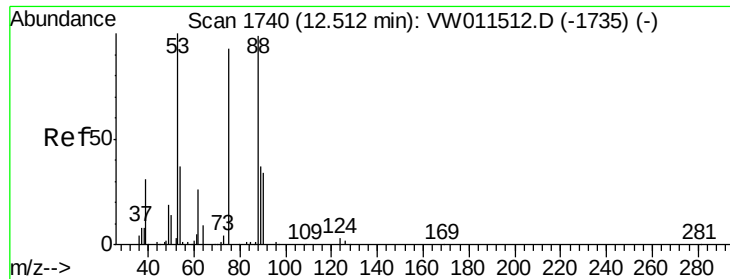
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 135.043 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011941.D

Acq: 15 Aug 2019 20:52

Instrument :

MSVOA_W

ClientSampled :

PX-02-081319

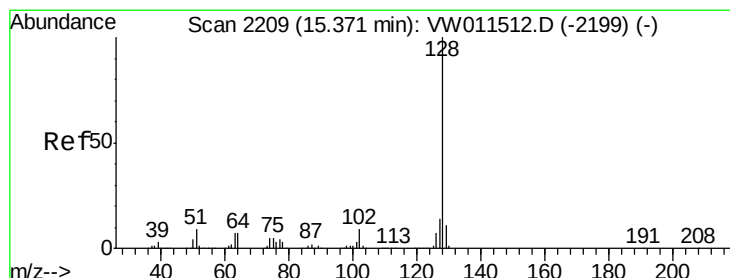
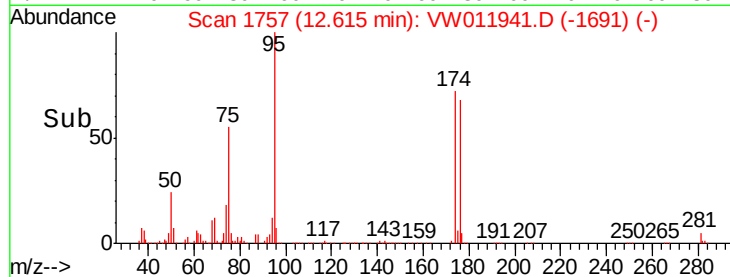
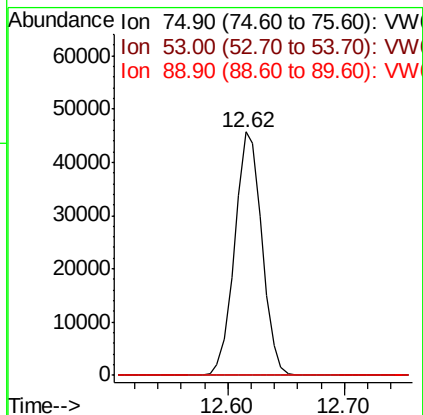
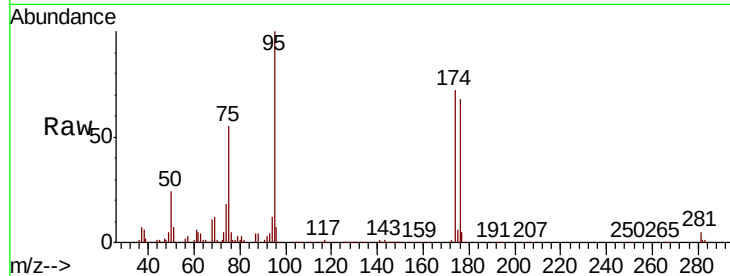
Tgt Ion: 75 Resp: 74596

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.079 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW011941.D

Acq: 15 Aug 2019 20:52

Tgt Ion: 128 Resp: 65

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 35.4 8.6 13.0#

