

Data File : VW012796.D
Acq On : 09 Sep 2019 03:24
Operator : SY/VA
Sample : K4623-07
Misc : 6.56G/5ML/MSVOA_W/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C4-(4)

Quant Time: Sep 09 06:07:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	236443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	94558	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	135438	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	7.88	113	104342	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
50) Toluene-d8	10.32	98	412271	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.62	95	116220	38.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.62%	

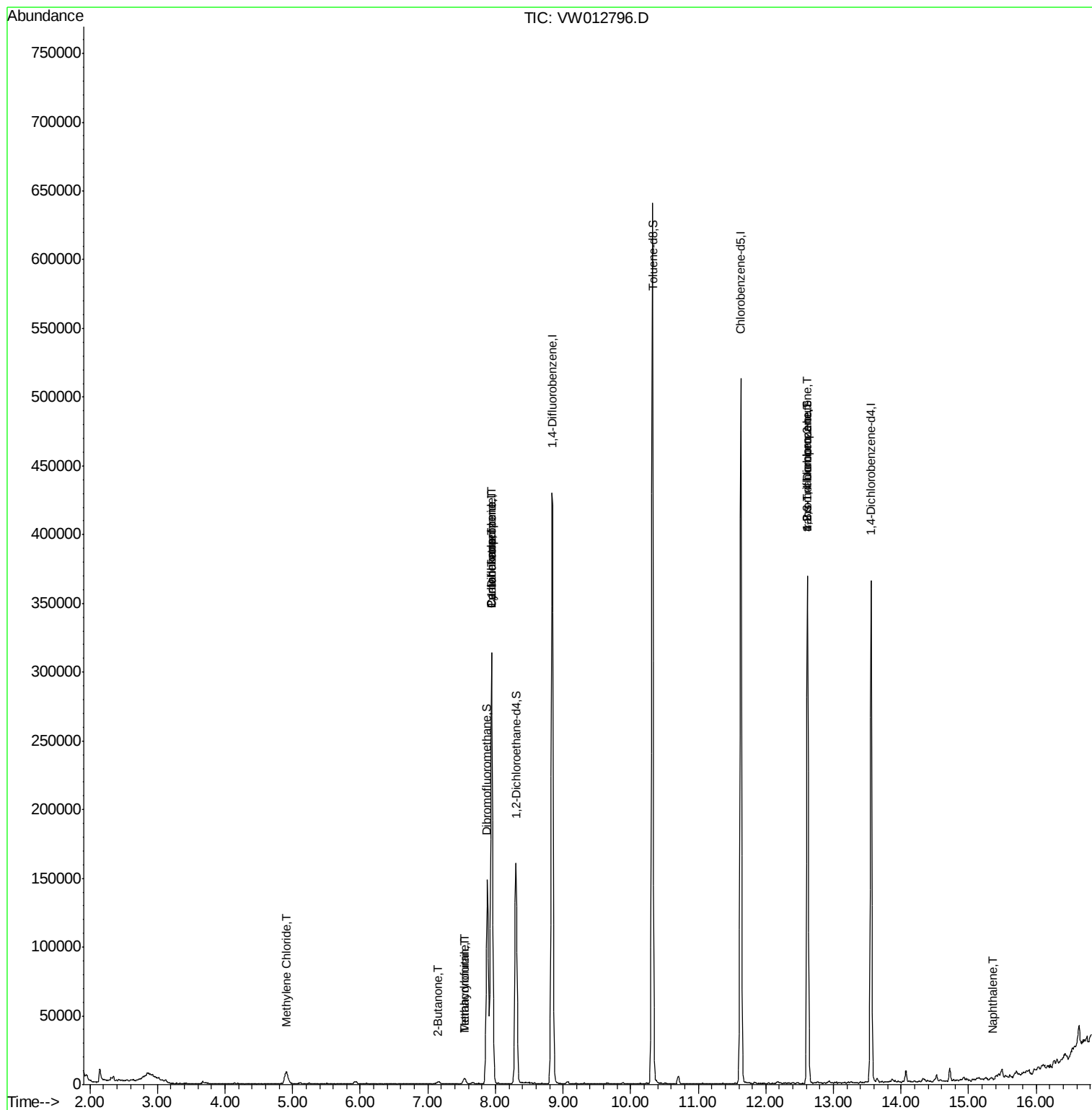
Target Compounds				Qvalue		
20) Methylene Chloride	4.91	84	6705	2.976	ug/l	89
25) 2-Butanone	7.15	43	106	19.772	ug/l #	53
29) Tetrahydrofuran	7.54	42	3760	6.465	ug/l	95
31) Cyclohexane	7.94	56	5175	1.333	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19333	6.144	ug/l #	52
38) Carbon Tetrachloride	7.94	117	22665	7.307	ug/l #	17
41) Methacrylonitrile	7.54	41	2328	5.415	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	61605	63.714	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61605	134.760	ug/l #	6
95) Naphthalene	15.36	128	268	4.501	ug/l #	69

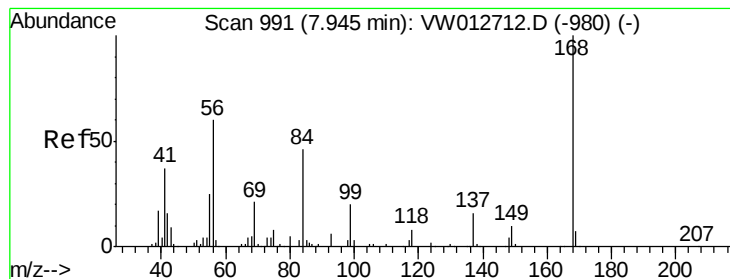
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012796.D

Acq: 09 Sep 2019 03:24

Instrument :

MSVOA_W

ClientSampleId :

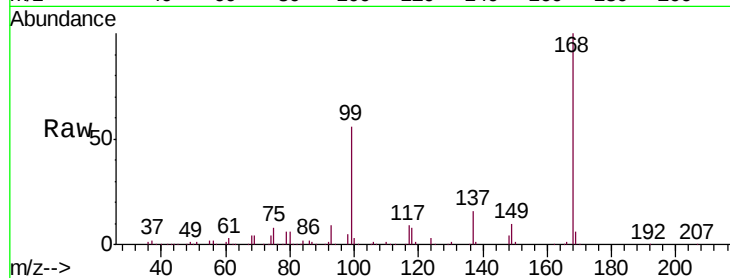
PAR-11-C4-(4)

Tgt Ion:168 Resp: 236443

Ion Ratio Lower Upper

168 100

99 55.6 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

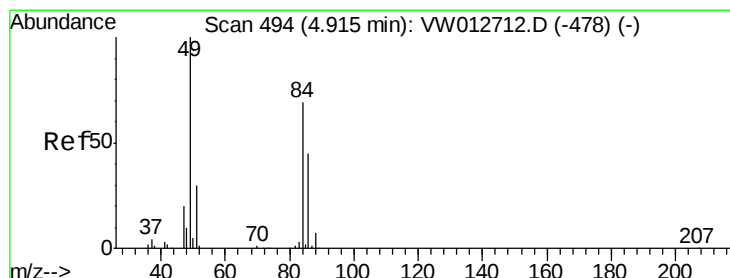
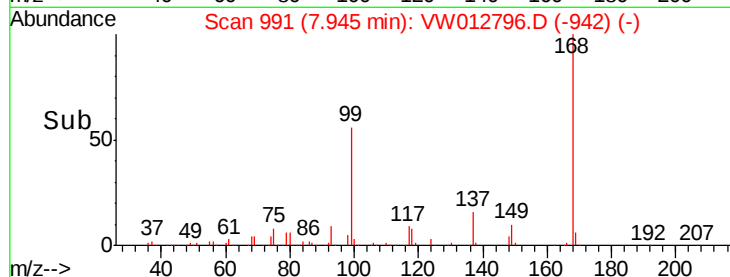
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 2.976 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012796.D

Acq: 09 Sep 2019 03:24

Tgt Ion: 84 Resp: 6705

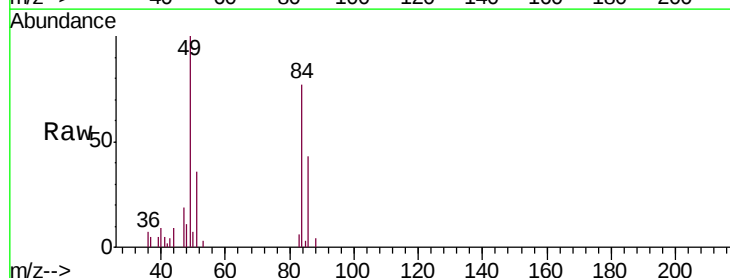
Ion Ratio Lower Upper

84 100

49 129.8 115.4 173.0

51 47.0 34.9 52.3

86 55.8 52.2 78.4



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

4000

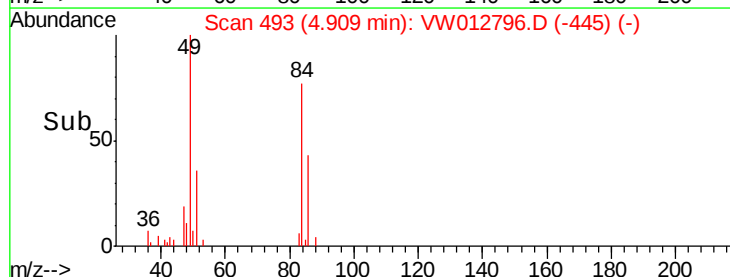
3000

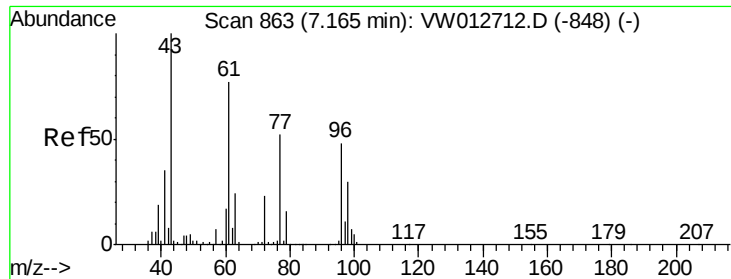
2000

1000

0

Time--> 4.80 4.90 5.00

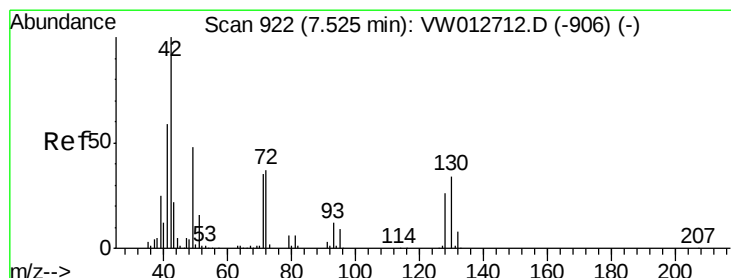
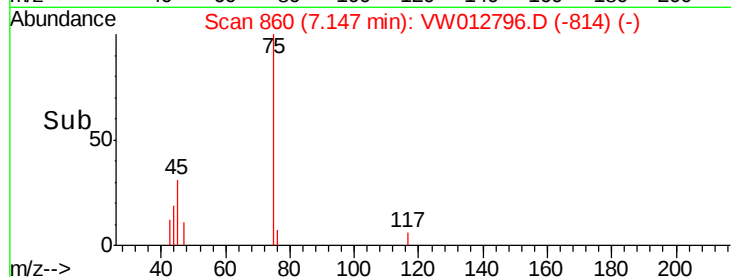
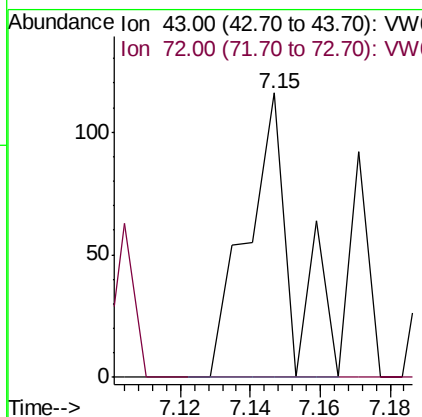
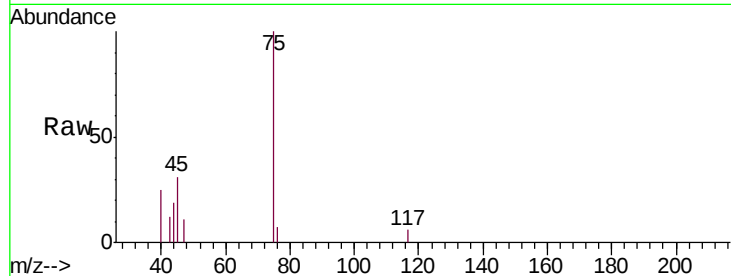




#25
2-Butanone
Concen: 19.772 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW012796.D
Acq: 09 Sep 2019 03:24

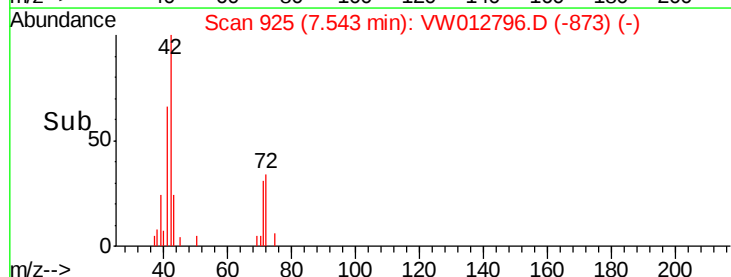
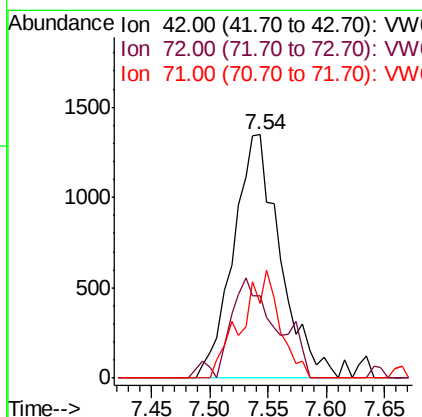
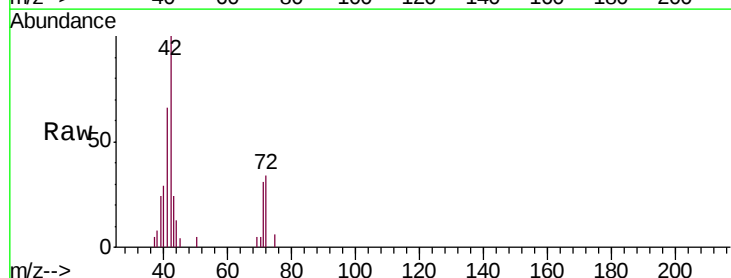
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C4-(4)

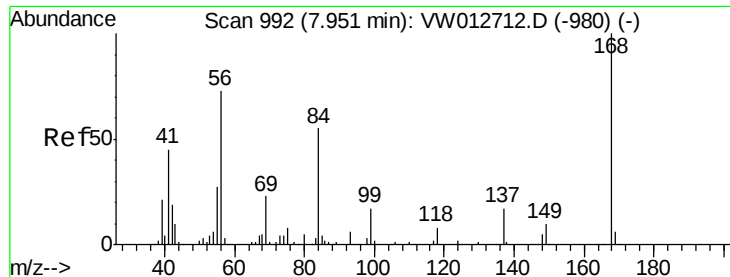
Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#



#29
Tetrahydrofuran
Concen: 6.465 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW012796.D
Acq: 09 Sep 2019 03:24

Tgt Ion: 42 Resp: 3760
Ion Ratio Lower Upper
42 100
72 39.3 28.4 42.6
71 36.1 27.1 40.7

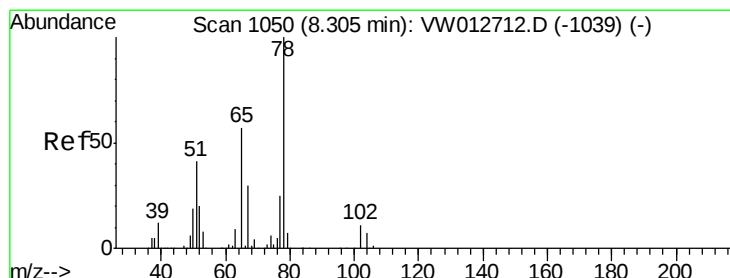
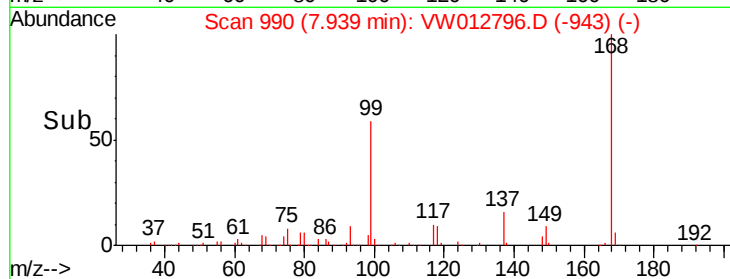
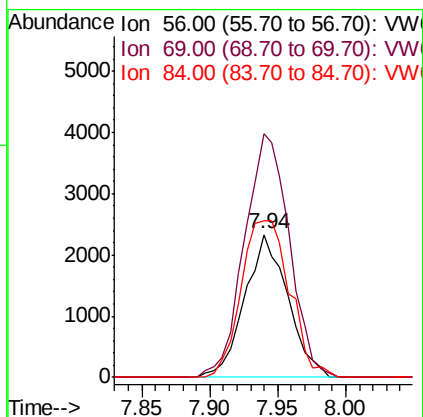
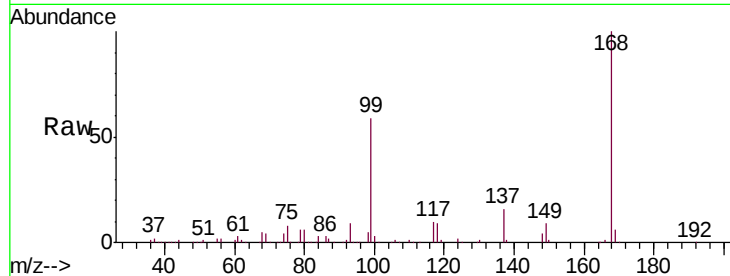




#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012796.D
Acq: 09 Sep 2019 03:24

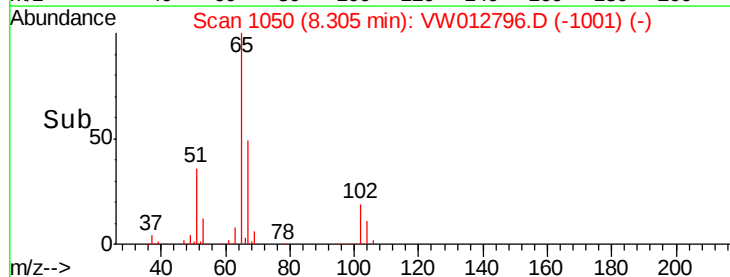
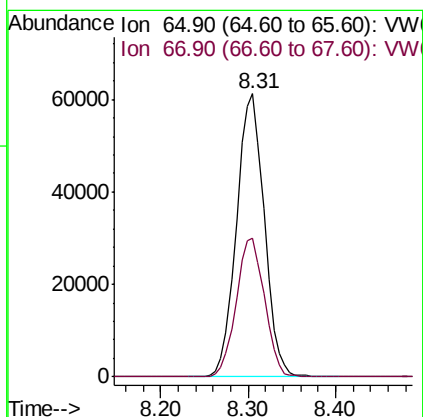
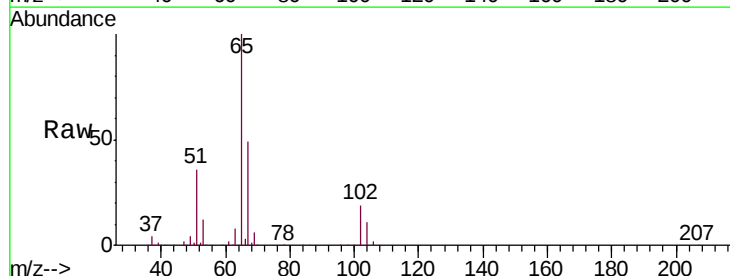
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C4-(4)

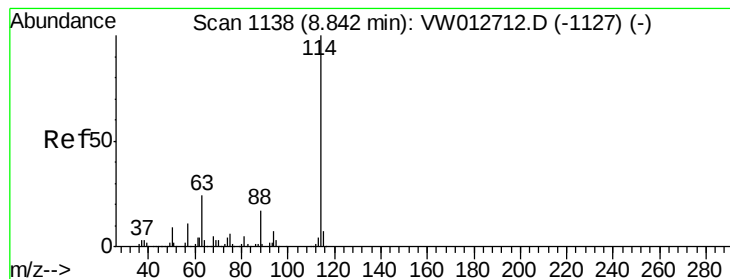
Tgt Ion: 56 Resp: 5175
Ion Ratio Lower Upper
56 100
69 170.2 25.7 38.5#
84 109.6 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 51.266 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW012796.D
Acq: 09 Sep 2019 03:24

Tgt Ion: 65 Resp: 135438
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW012796.D

Acq: 09 Sep 2019 03:24

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C4-(4)

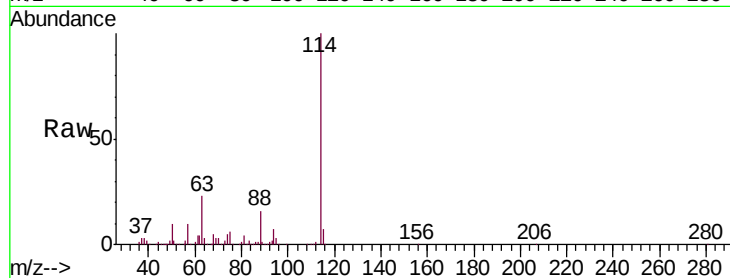
Tgt Ion:114 Resp: 354121

Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.2

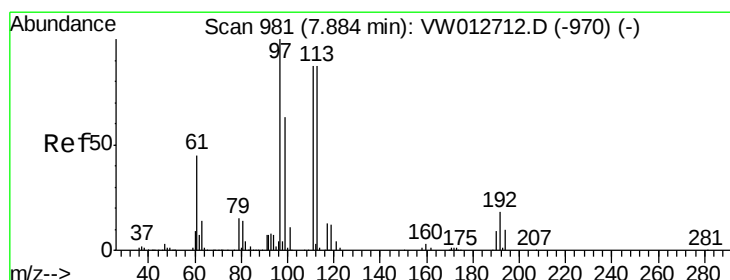
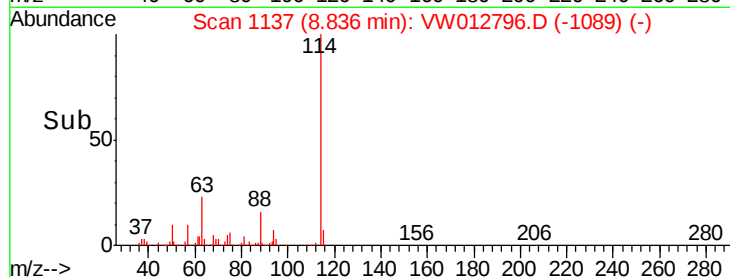
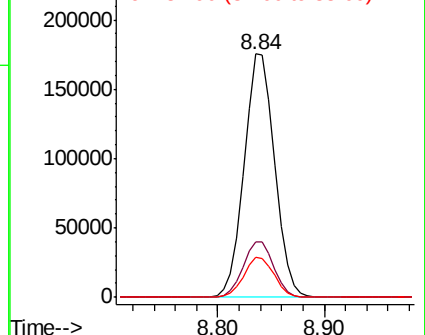
88 16.4 0.0 34.0



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: 49.560 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012796.D

Acq: 09 Sep 2019 03:24

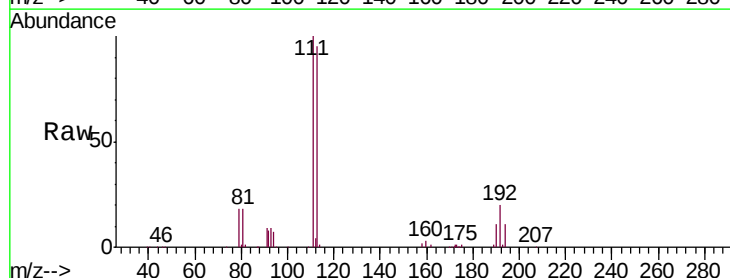
Tgt Ion:113 Resp: 104342

Ion Ratio Lower Upper

113 100

111 103.5 80.2 120.4

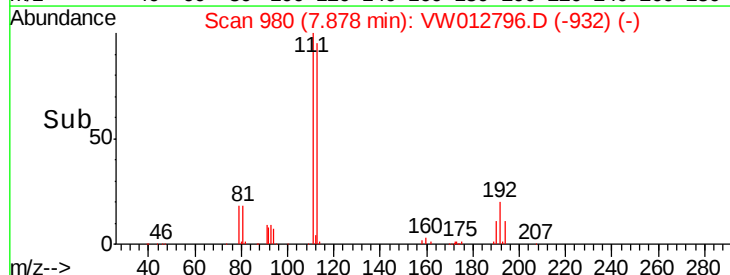
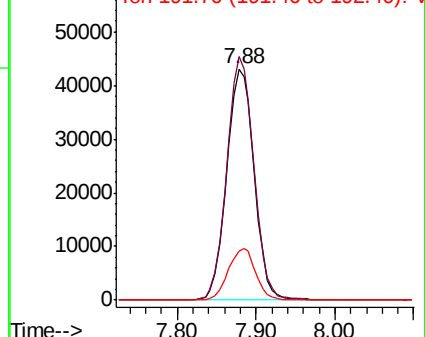
192 22.1 17.3 25.9

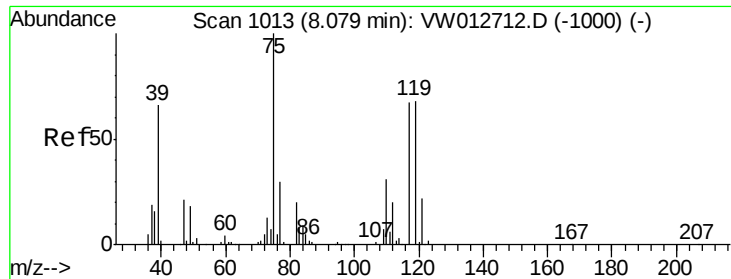


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

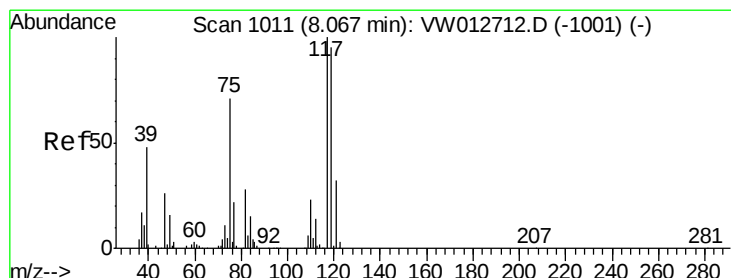
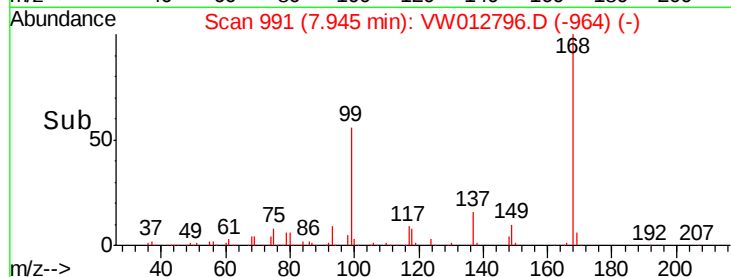
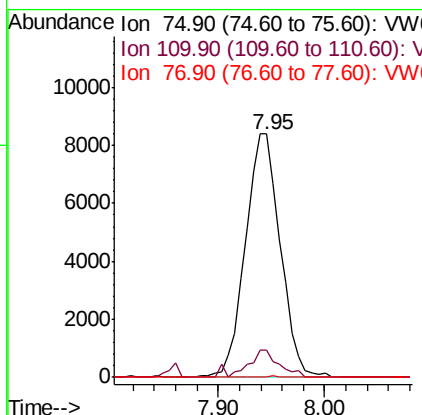
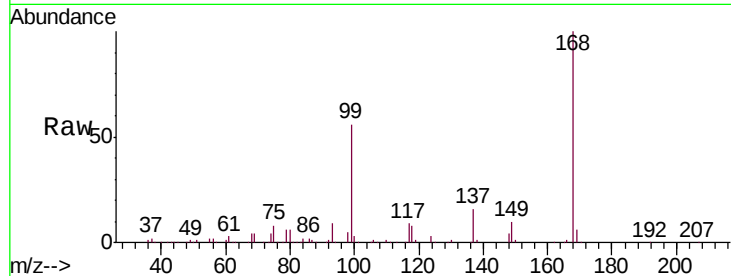




#36
 1,1-Dichloropropene
 Concen: 6.144 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012796.D
 Acq: 09 Sep 2019 03:24

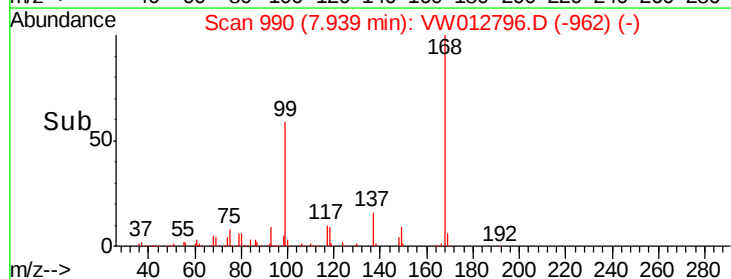
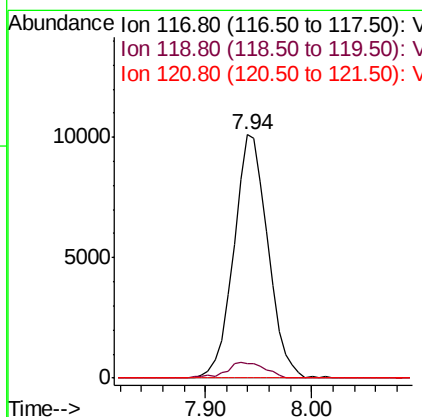
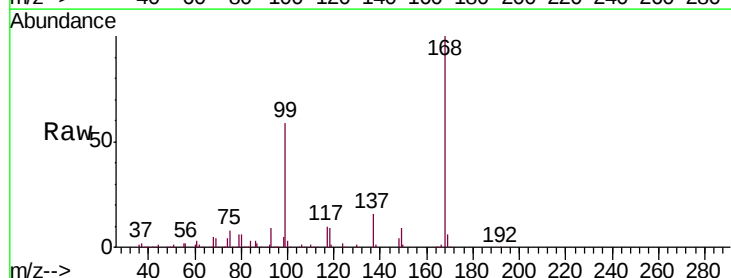
Instrument :
 MSVOA_W
 ClientSampled :
 PAR-11-C4-(4)

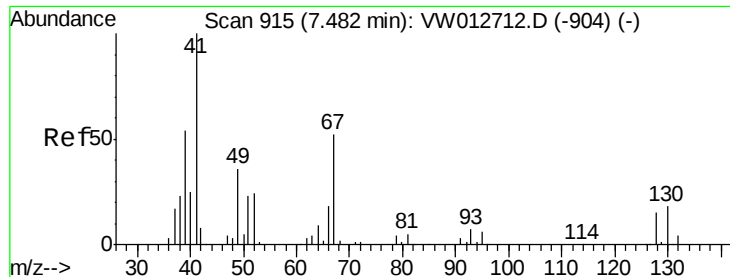
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	15.9	47.7#
77	0.1	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.307 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012796.D
 Acq: 09 Sep 2019 03:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.2	114.2#
121	0.0	25.4	38.2#

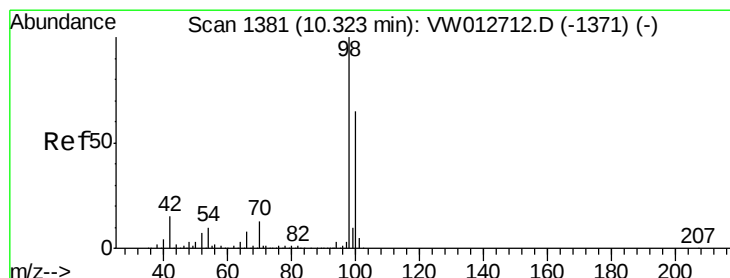
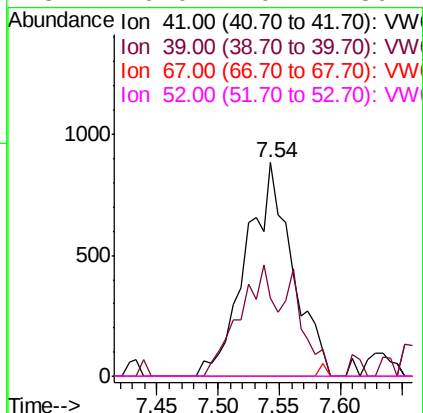
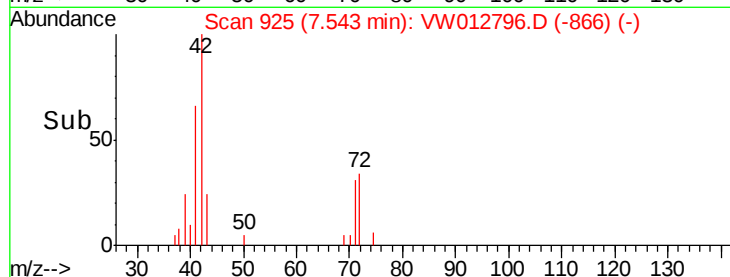
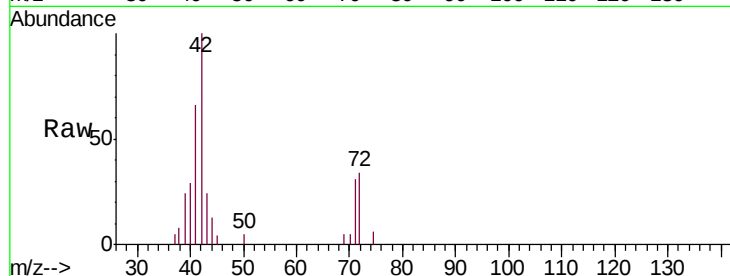




#41
Methacrylonitrile
Concen: 5.415 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012796.D
Acq: 09 Sep 2019 03:24

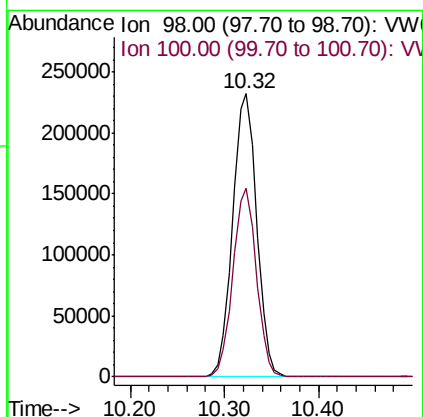
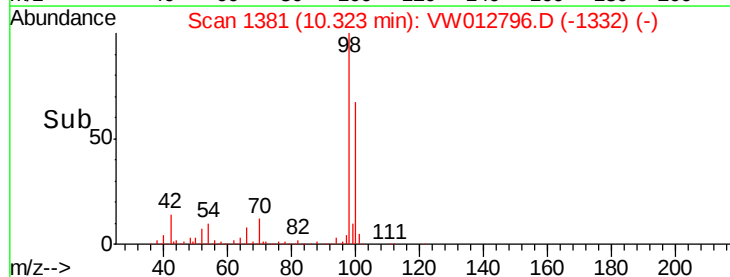
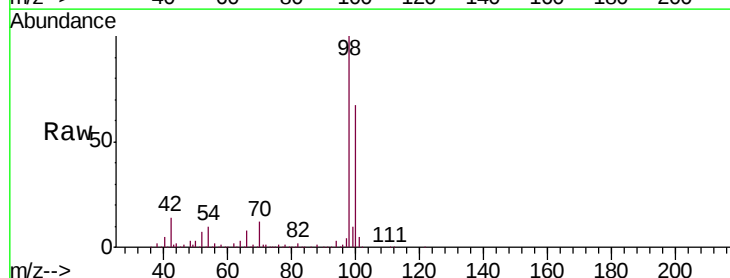
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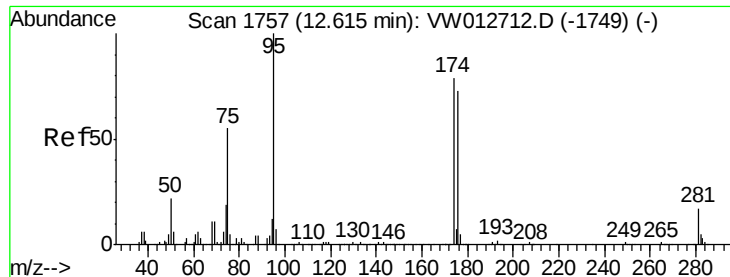
Tgt Ion: 41 Resp: 2328
Ion Ratio Lower Upper
41 100
39 39.9 47.5 71.3#
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#



#50
Toluene-d8
Concen: 49.983 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012796.D
Acq: 09 Sep 2019 03:24

Tgt Ion: 98 Resp: 412271
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4

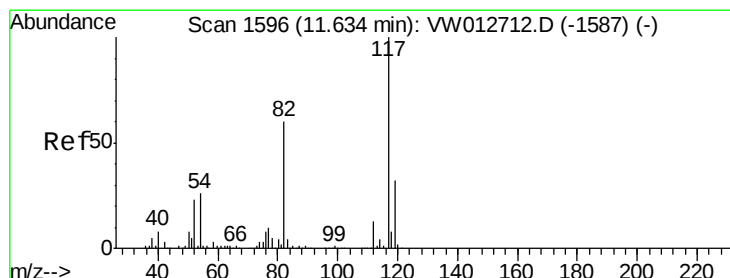
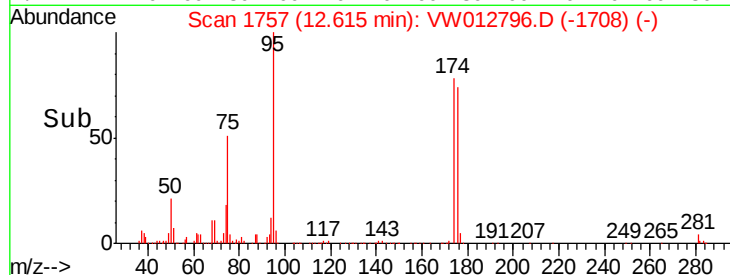
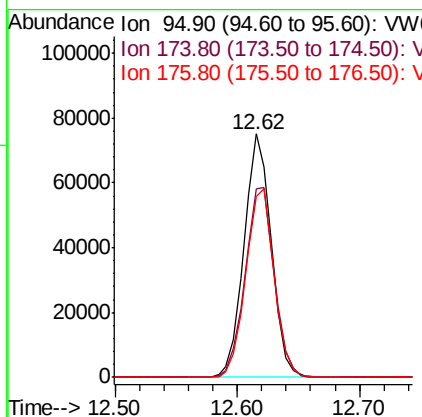
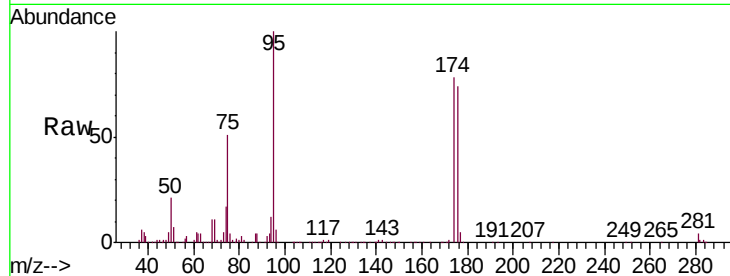




#62
4-Bromofluorobenzene
Concen: 38.813 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012796.D
Acq: 09 Sep 2019 03:24

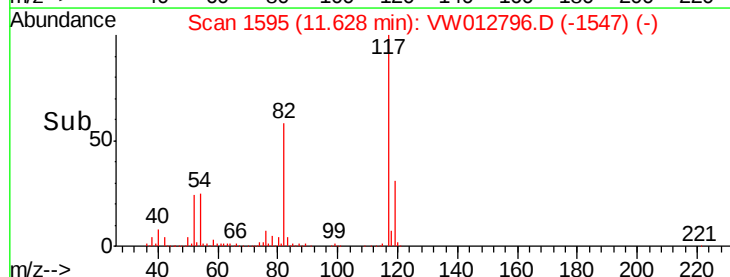
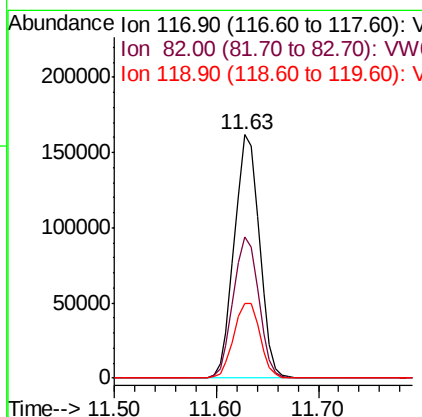
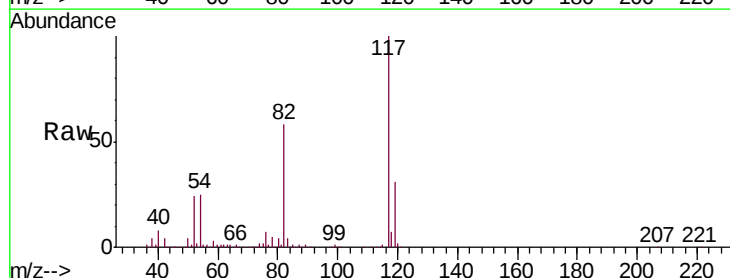
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C4-(4)

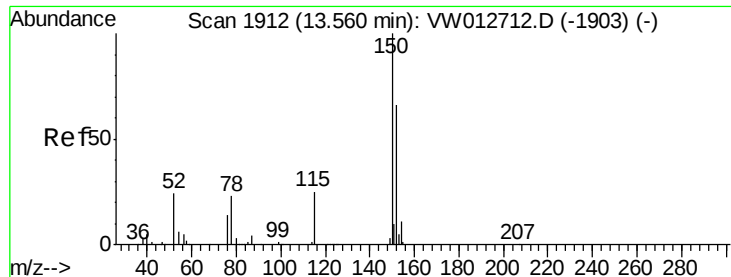
Tgt Ion: 95 Resp: 116220
Ion Ratio Lower Upper
95 100
174 83.4 0.0 161.0
176 80.6 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012796.D
Acq: 09 Sep 2019 03:24

Tgt Ion: 117 Resp: 275323
Ion Ratio Lower Upper
117 100
82 58.1 48.2 72.4
119 30.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012796.D

Acq: 09 Sep 2019 03:24

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C4-(4)

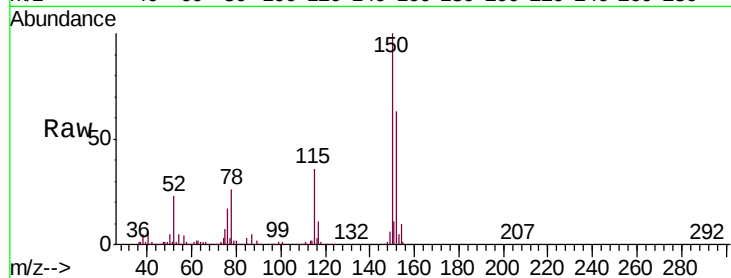
Tgt Ion:152 Resp: 94558

Ion Ratio Lower Upper

152 100

115 59.6 30.0 90.1

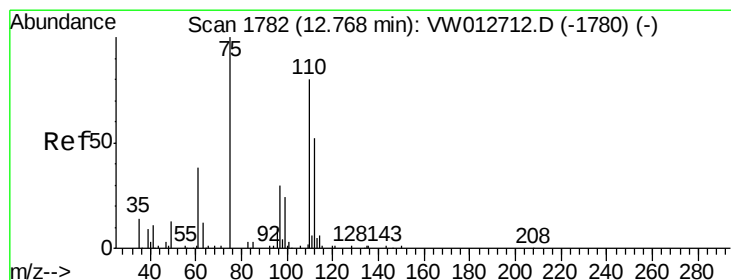
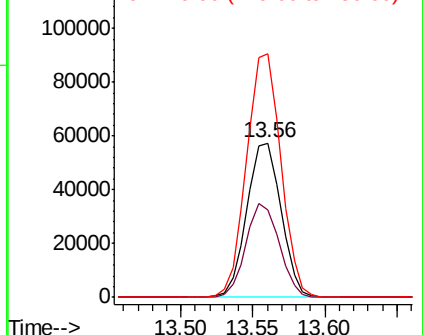
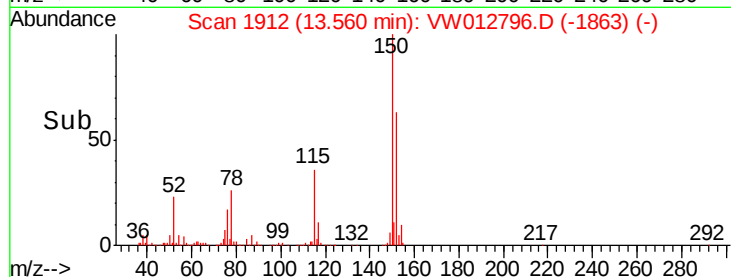
150 157.9 0.0 349.0



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: 63.714 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012796.D

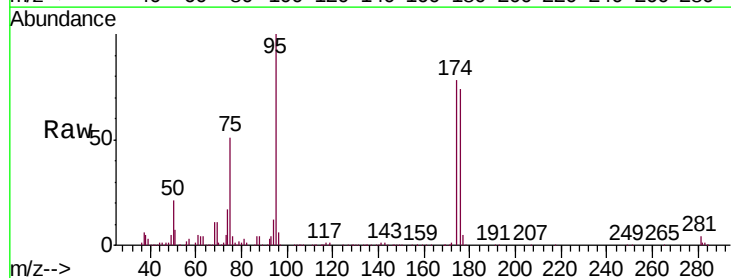
Acq: 09 Sep 2019 03:24

Tgt Ion: 75 Resp: 61605

Ion Ratio Lower Upper

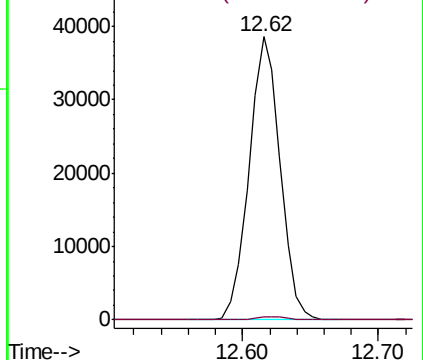
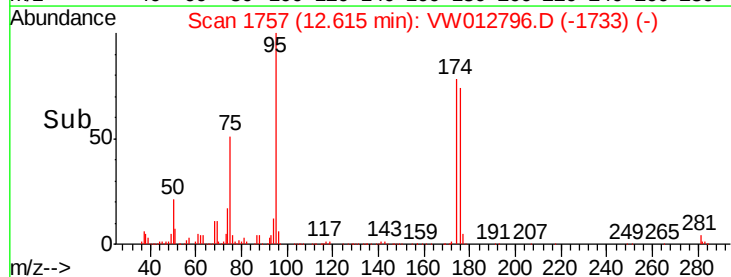
75 100

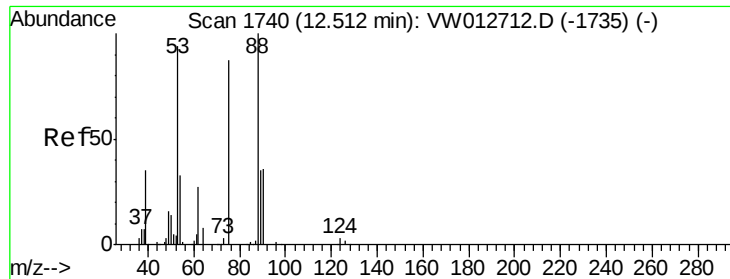
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

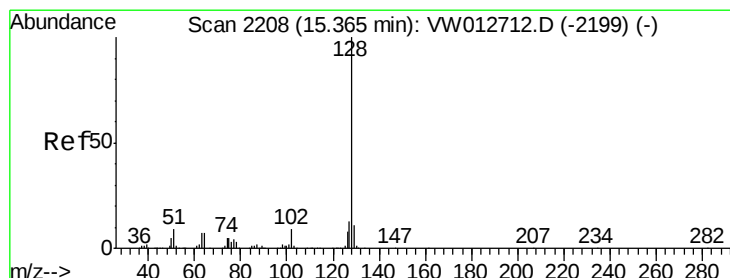
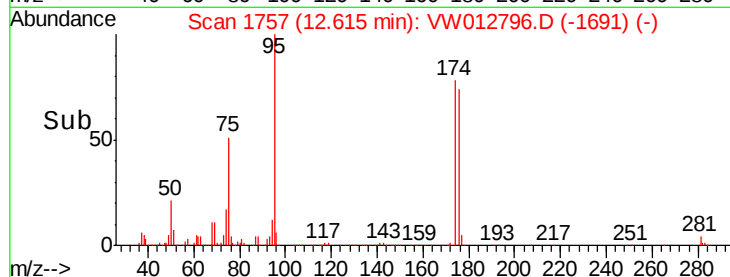
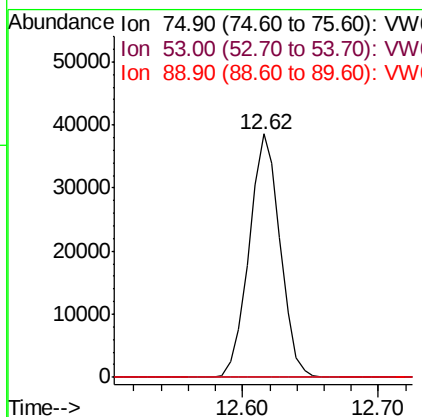
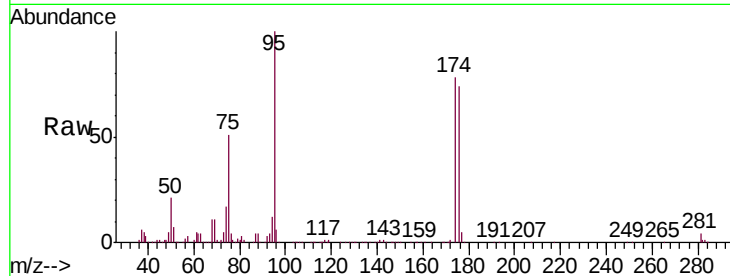




#81
trans-1,4-Dichloro-2-butene
Concen: 134.760 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012796.D
Acq: 09 Sep 2019 03:24

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C4-(4)

Tgt Ion: 75 Resp: 61605
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.1 35.5 53.3#



#95
Naphthalene
Concen: 4.501 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012796.D
Acq: 09 Sep 2019 03:24

Tgt Ion: 128 Resp: 268
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

