

Data File : VW012771.D
Acq On : 08 Sep 2019 16:01
Operator : SY/VA
Sample : K4603-08
Misc : 4.46G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-E2-(3.11)

Quant Time: Sep 09 05:58:52 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	226388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	343002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	291998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120651	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133400	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	7.88	113	102243	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	10.32	98	408839	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.62	95	131095	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	

Target Compounds

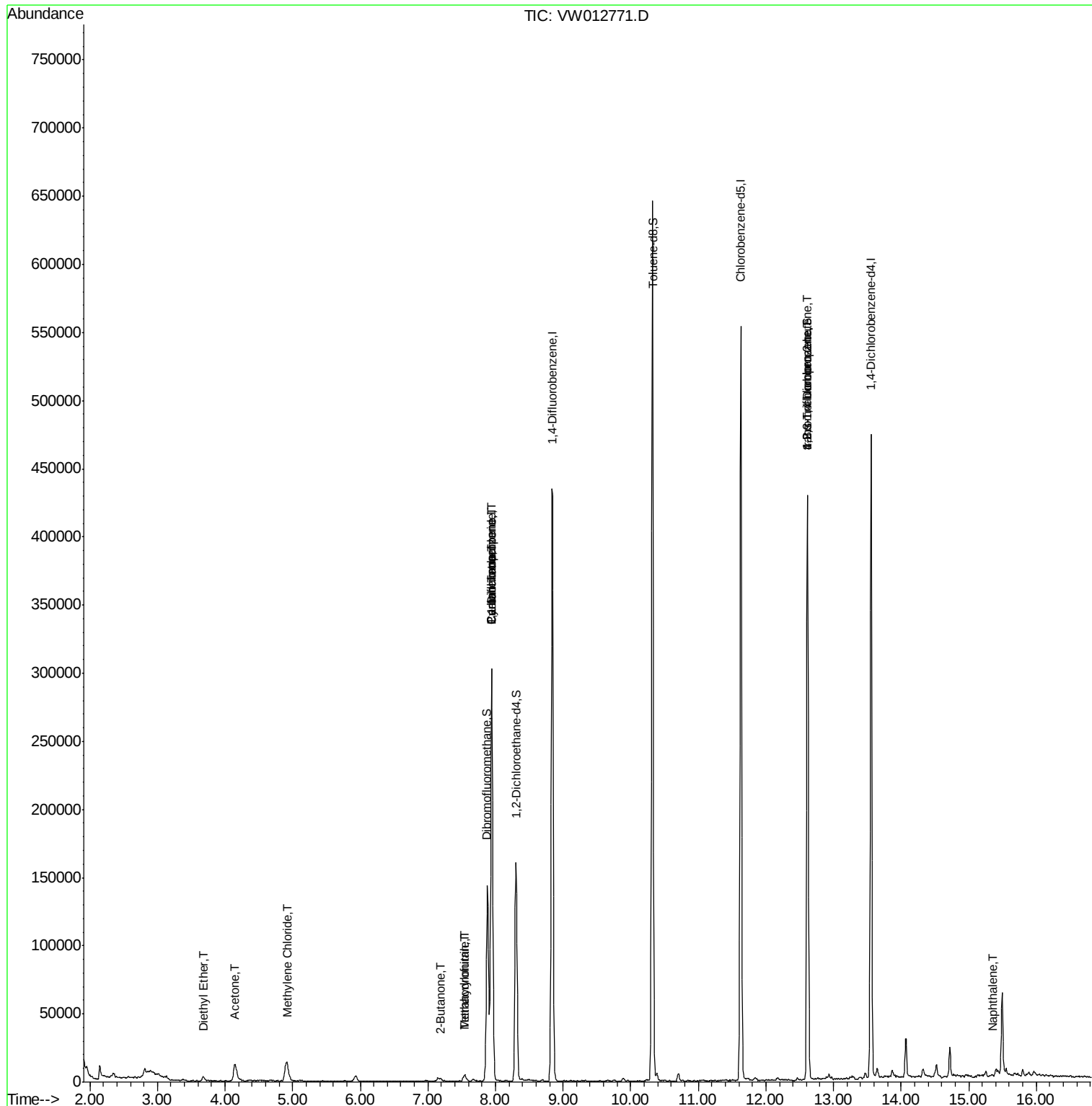
						Qvalue
8) Diethyl Ether	3.68	74	1575	1.485	ug/l	78
16) Acetone	4.15	43	28913	41.928	ug/l	95
20) Methylene Chloride	4.92	84	11000	5.099	ug/l #	83
25) 2-Butanone	7.18	43	1007	20.594	ug/l #	89
29) Tetrahydrofuran	7.54	42	4448	7.987	ug/l	97
31) Cyclohexane	7.94	56	5466	1.470	ug/l #	11
36) 1,1-Dichloropropene	7.95	75	18062	5.927	ug/l #	51
38) Carbon Tetrachloride	7.95	117	22765	7.578	ug/l #	17
41) Methacrylonitrile	7.54	41	2987	5.927	ug/l #	51
76) 1,2,3-Trichloropropane	12.62	75	72560	58.814	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72560	124.397	ug/l #	6
95) Naphthalene	15.36	128	549	4.538	ug/l #	79

(#) = 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: VW012771.D

Acq: 08 Sep 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

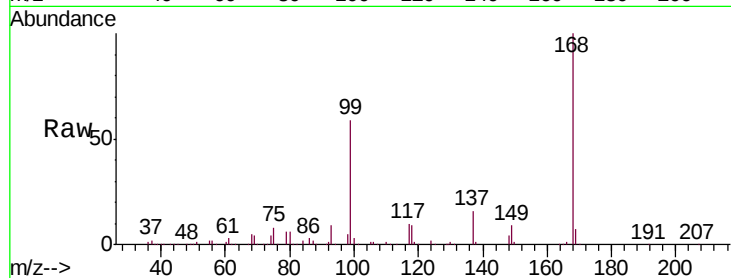
PAR-E2-(3.11)

Tgt Ion:168 Resp: 226388

Ion Ratio Lower Upper

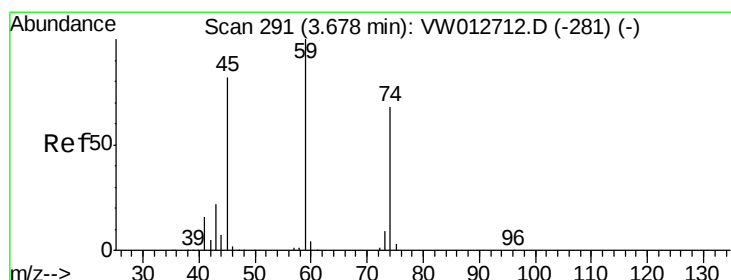
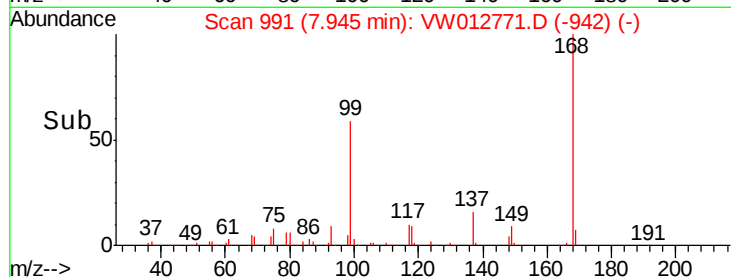
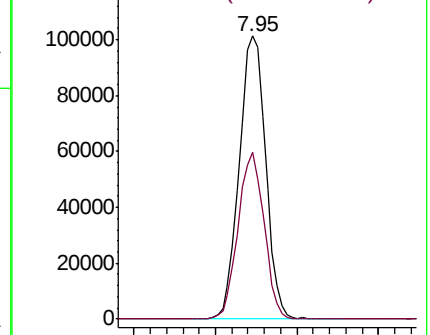
168 100

99 59.1 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.485 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012771.D

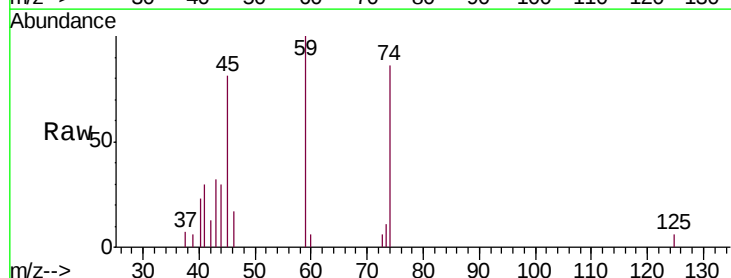
Acq: 08 Sep 2019 16:01

Tgt Ion: 74 Resp: 1575

Ion Ratio Lower Upper

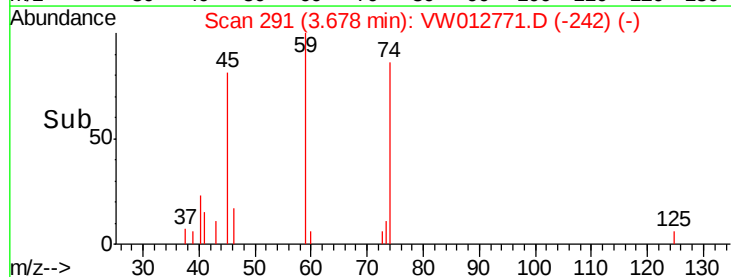
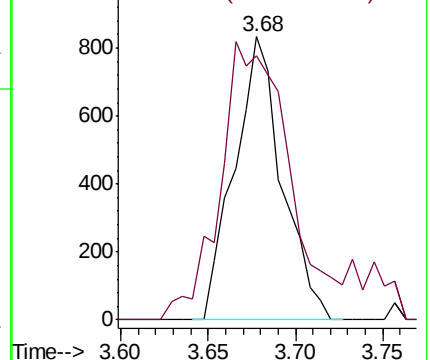
74 100

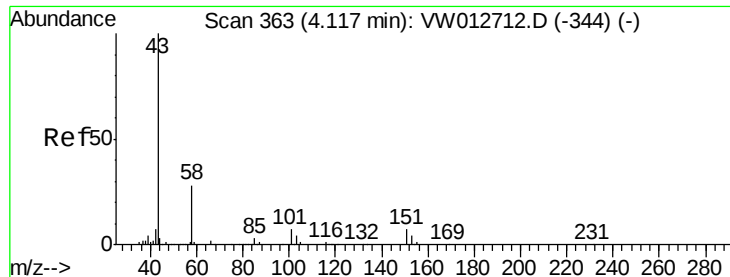
45 142.2 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 41.928 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW012771.D

Acq: 08 Sep 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

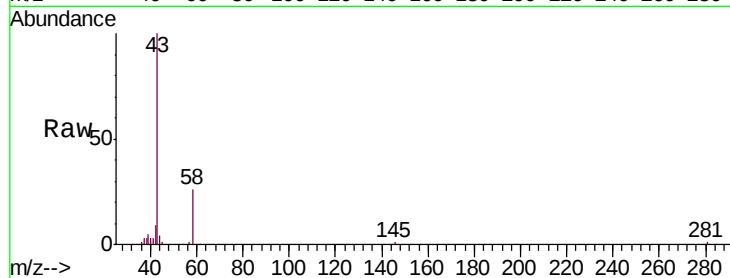
PAR-E2-(3.11)

Tgt Ion: 43 Resp: 28913

Ion Ratio Lower Upper

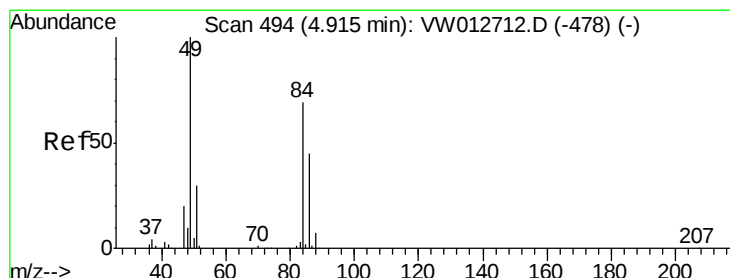
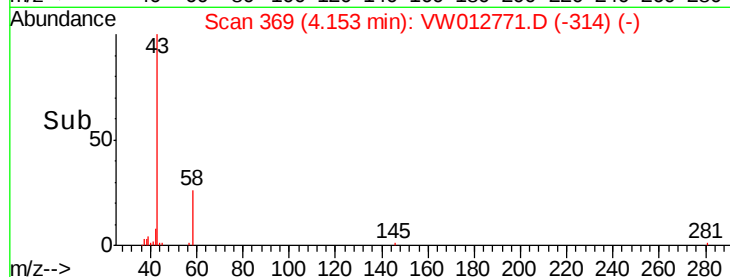
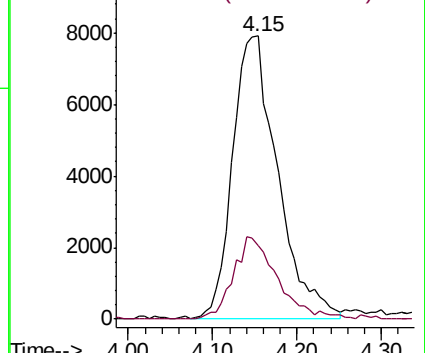
43 100

58 25.7 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 5.099 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW012771.D

Acq: 08 Sep 2019 16:01

Tgt Ion: 84 Resp: 11000

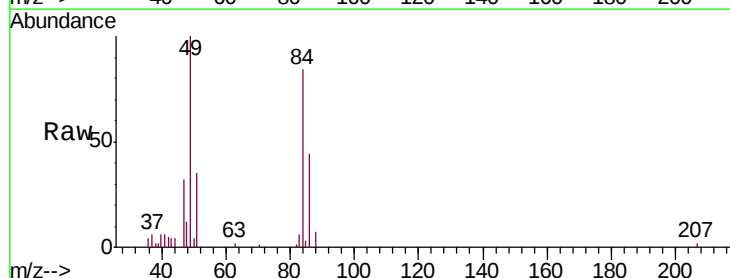
Ion Ratio Lower Upper

84 100

49 118.9 115.4 173.0

51 41.3 34.9 52.3

86 51.9 52.2 78.4#

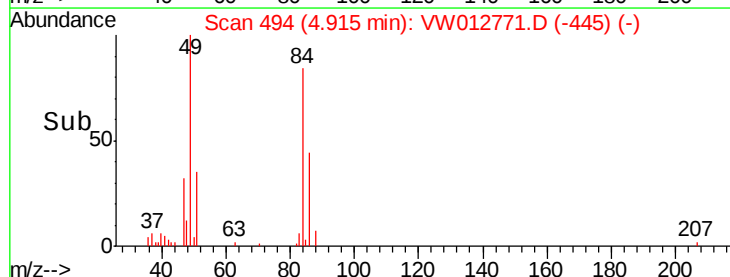
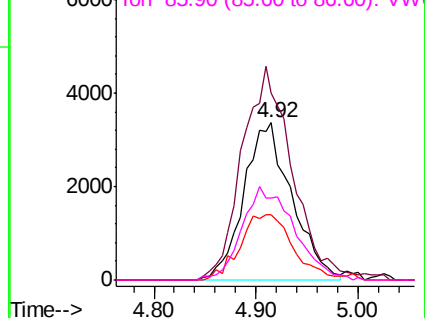


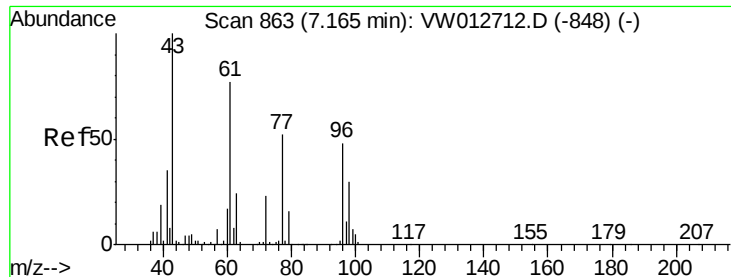
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#25

2-Butanone

Concen: 20.594 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW012771.D

Acq: 08 Sep 2019 16:01

Instrument :

MSVOA_W

ClientSampled :

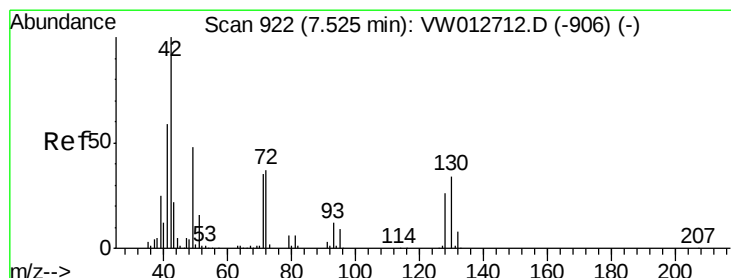
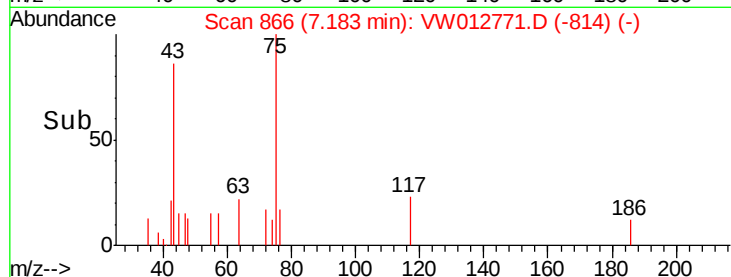
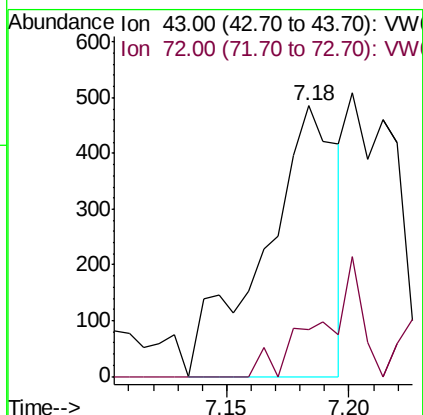
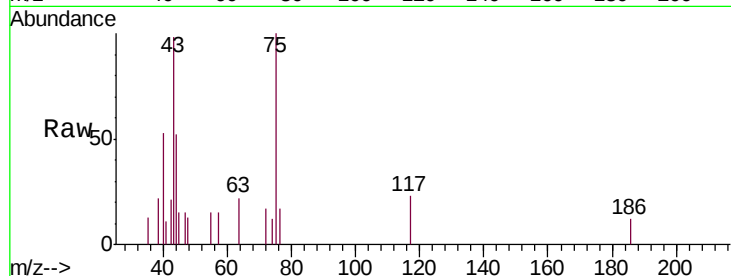
PAR-E2-(3.11)

Tgt Ion: 43 Resp: 1007

Ion Ratio Lower Upper

43 100

72 17.1 18.0 27.0#



#29

Tetrahydrofuran

Concen: 7.987 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW012771.D

Acq: 08 Sep 2019 16:01

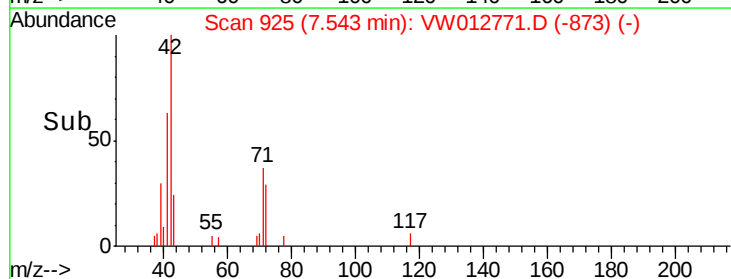
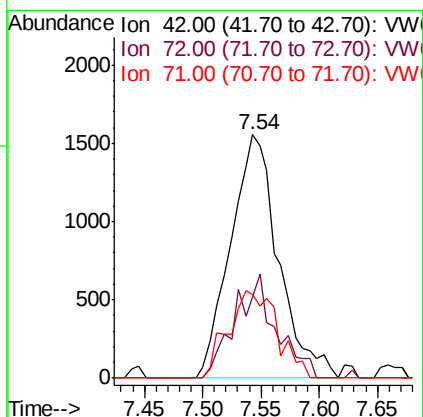
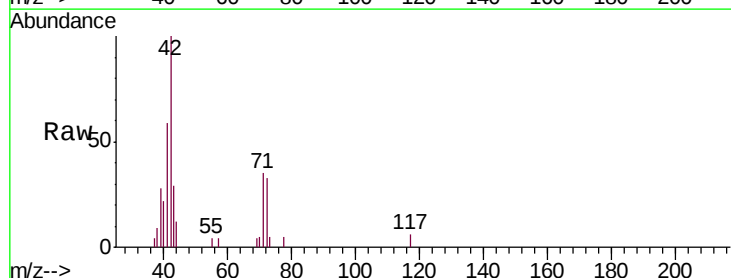
Tgt Ion: 42 Resp: 4448

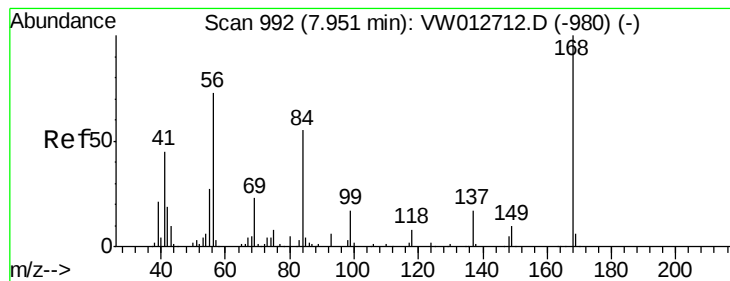
Ion Ratio Lower Upper

42 100

72 36.6 28.4 42.6

71 36.8 27.1 40.7





#31

Cyclohexane

Concen: 1.470 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012771.D

Acq: 08 Sep 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

PAR-E2-(3.11)

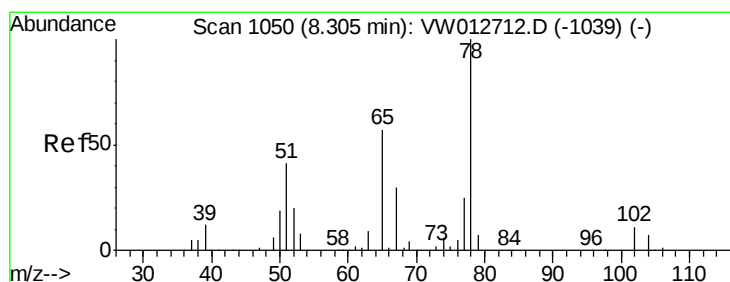
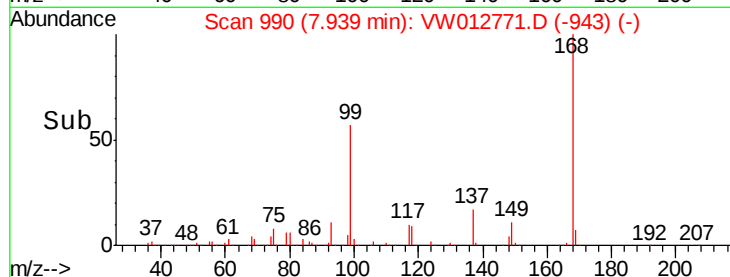
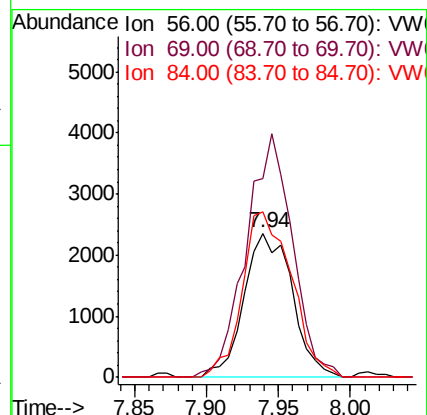
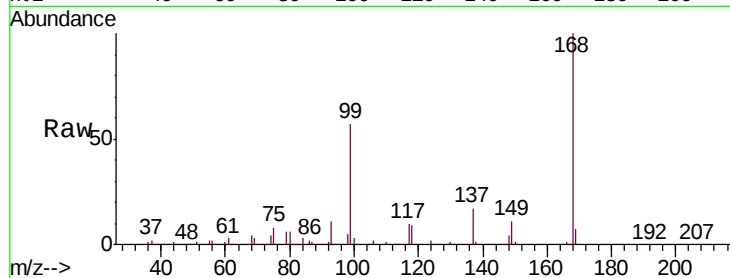
Tgt Ion: 56 Resp: 5466

Ion Ratio Lower Upper

56 100

69 137.8 25.7 38.5#

84 115.4 60.4 90.6#



#33

1,2-Dichloroethane-d4

Concen: 52.738 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012771.D

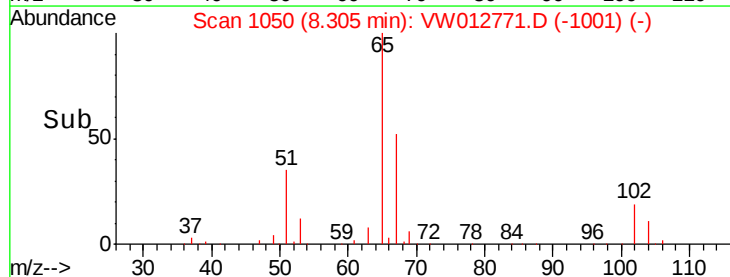
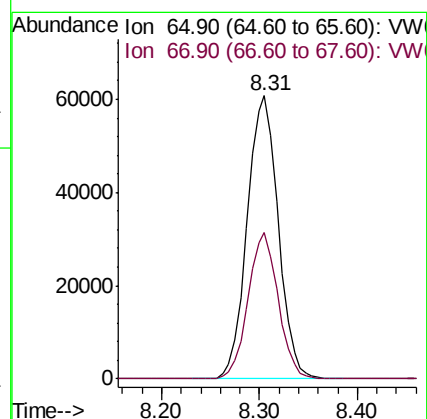
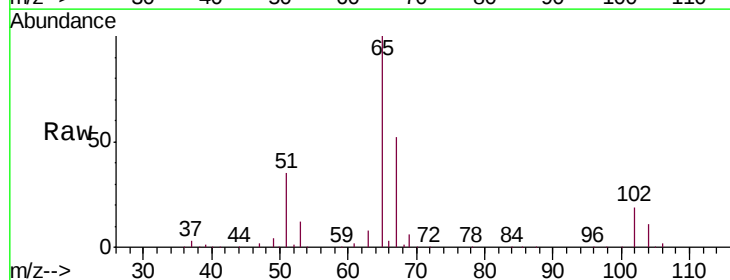
Acq: 08 Sep 2019 16:01

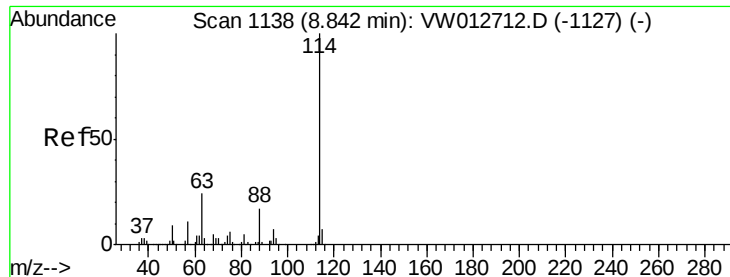
Tgt Ion: 65 Resp: 133400

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.8

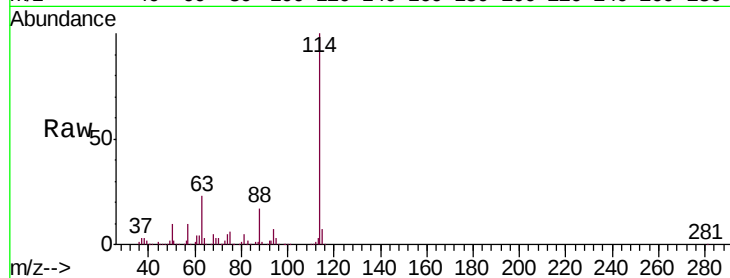




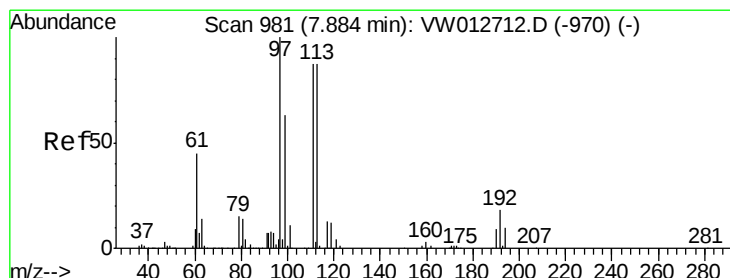
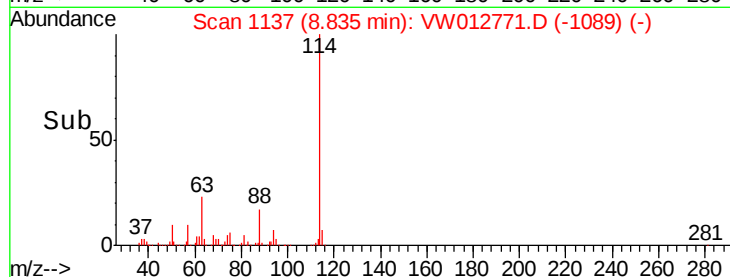
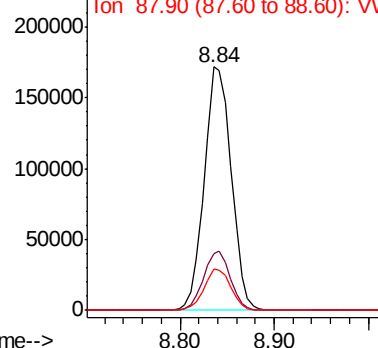
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VW012771.D
Acq: 08 Sep 2019 16:01

Instrument :
MSVOA_W
ClientSampleId :
PAR-E2-(3.11)

Tgt Ion:114 Resp: 343002
Ion Ratio Lower Upper
114 100
63 23.4 0.0 47.2
88 16.9 0.0 34.0

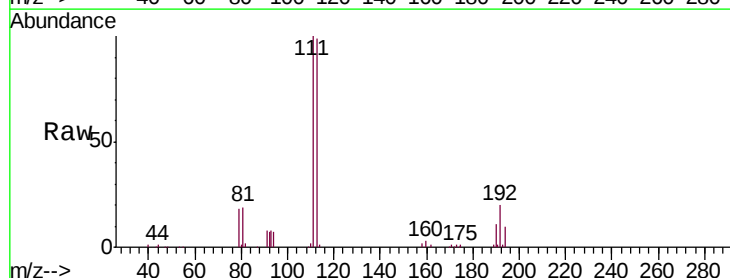


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

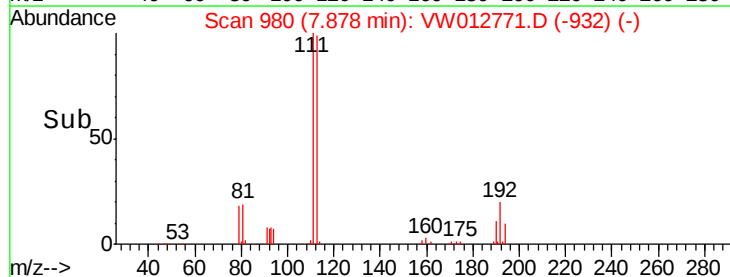
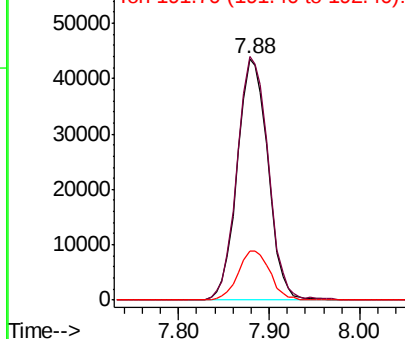


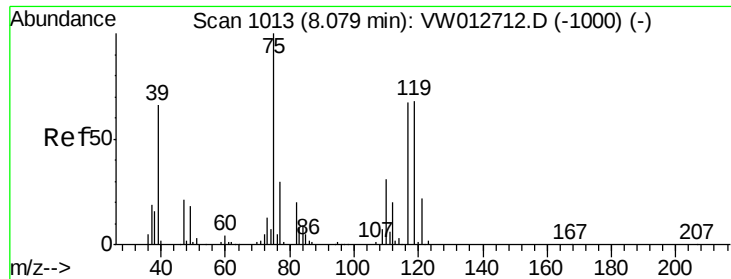
#35
Dibromofluoromethane
Concen: 50.138 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW012771.D
Acq: 08 Sep 2019 16:01

Tgt Ion:113 Resp: 102243
Ion Ratio Lower Upper
113 100
111 102.9 80.2 120.4
192 21.3 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: 5.927 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012771.D

Acq: 08 Sep 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

PAR-E2-(3.11)

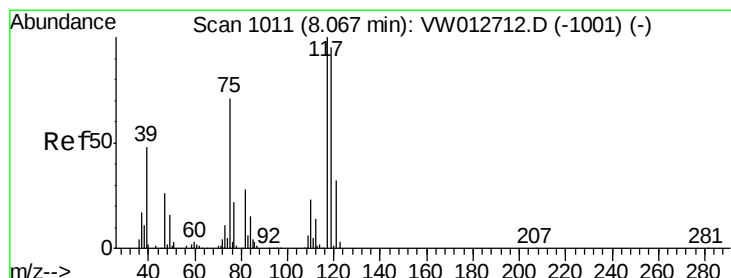
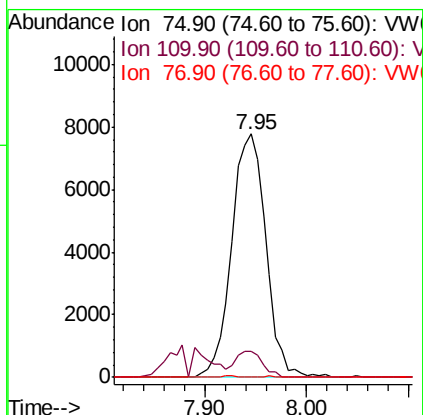
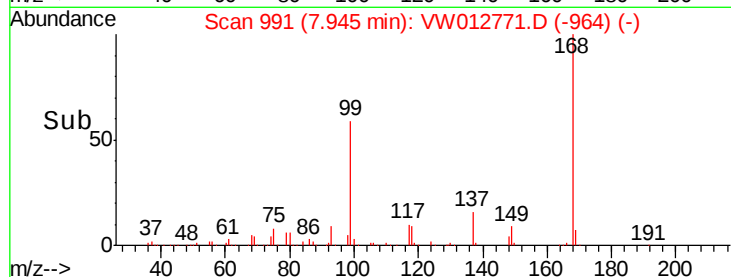
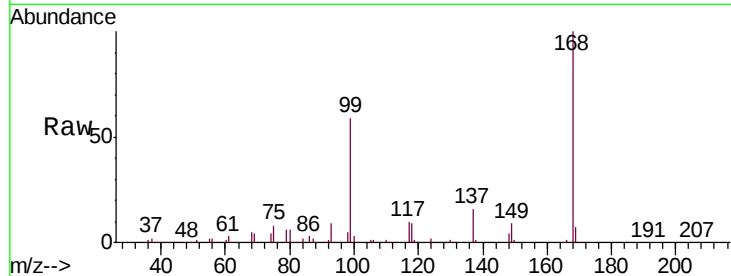
Tgt Ion: 75 Resp: 18062

Ion Ratio Lower Upper

75 100

110 8.5 15.9 47.7#

77 0.3 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 7.578 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012771.D

Acq: 08 Sep 2019 16:01

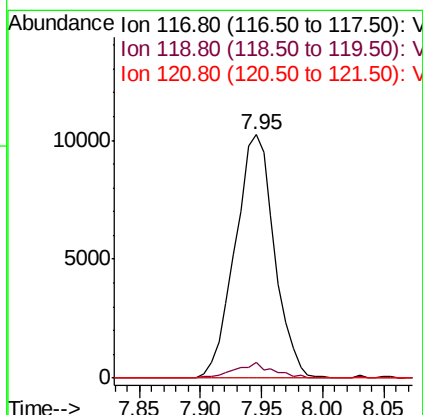
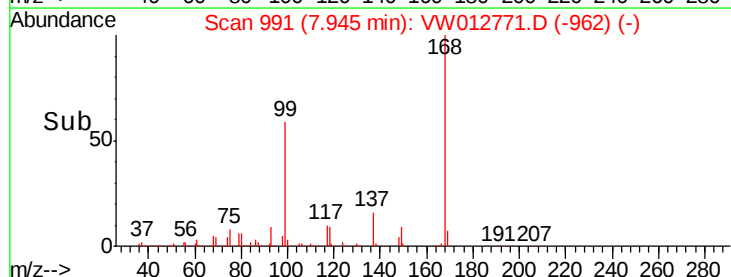
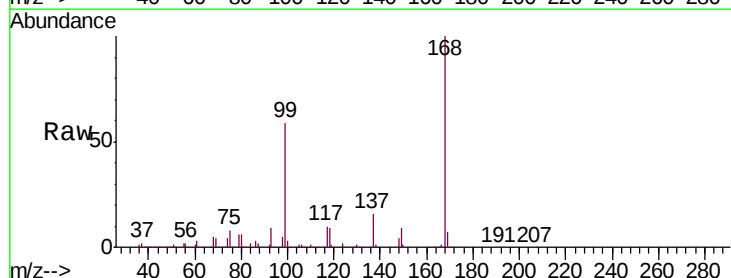
Tgt Ion: 117 Resp: 22765

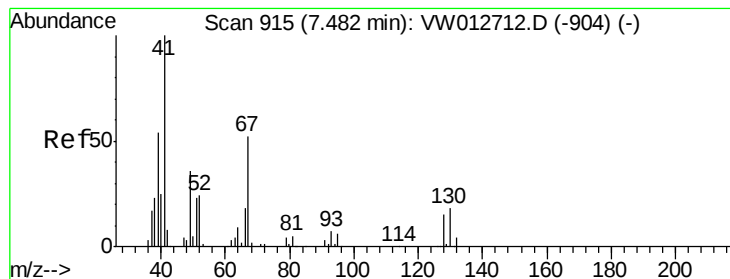
Ion Ratio Lower Upper

117 100

119 6.7 76.2 114.2#

121 0.0 25.4 38.2#





#41

Methacrylonitrile

Concen: 5.927 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012771.D

Acq: 08 Sep 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

PAR-E2-(3.11)

Tgt Ion: 41 Resp: 2987

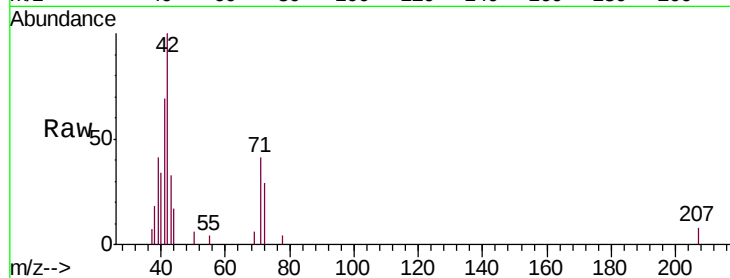
Ion Ratio Lower Upper

41 100

39 43.3 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

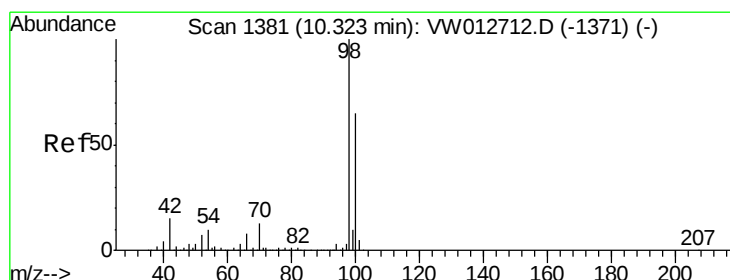
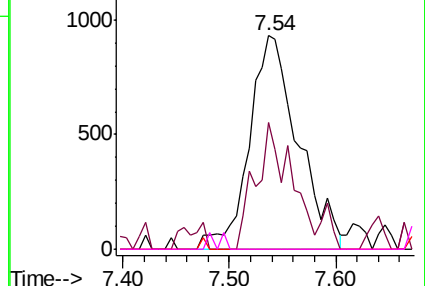
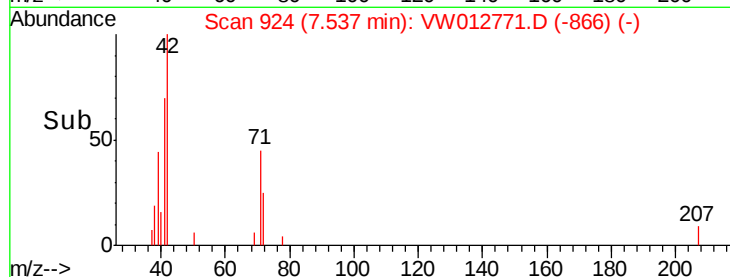


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 51.173 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012771.D

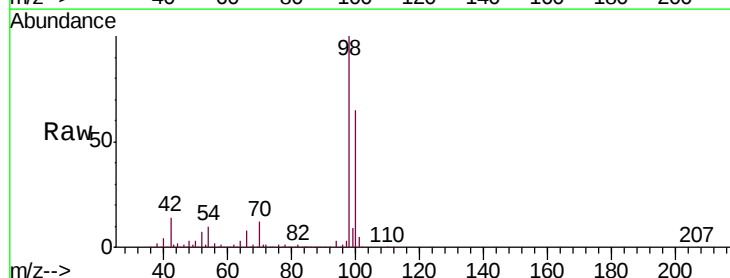
Acq: 08 Sep 2019 16:01

Tgt Ion: 98 Resp: 408839

Ion Ratio Lower Upper

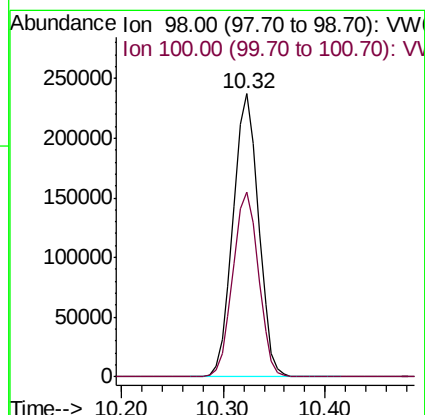
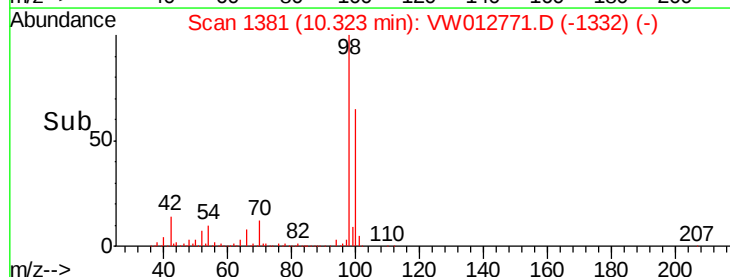
98 100

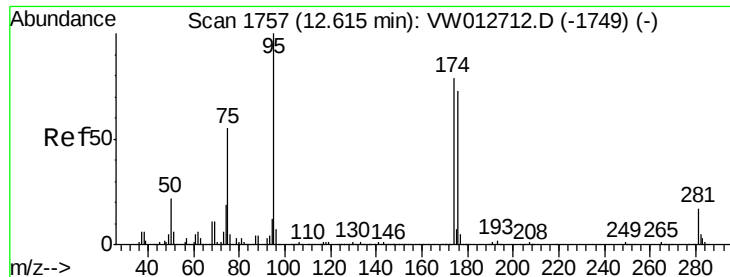
100 65.8 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 45.200 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012771.D

Acq: 08 Sep 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

PAR-E2-(3.11)

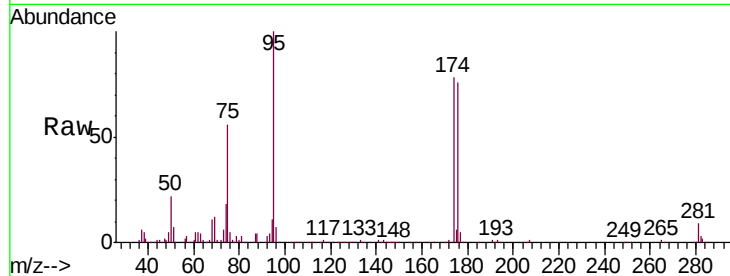
Tgt Ion: 95 Resp: 131095

Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.0

176 78.8 0.0 156.4



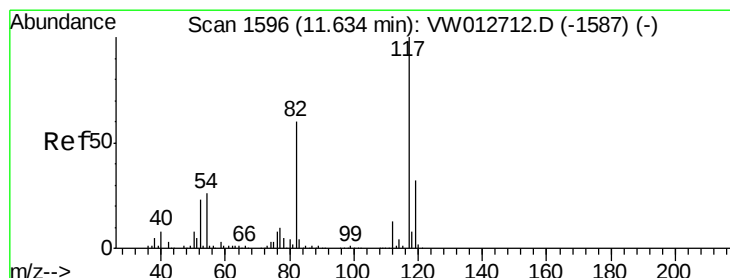
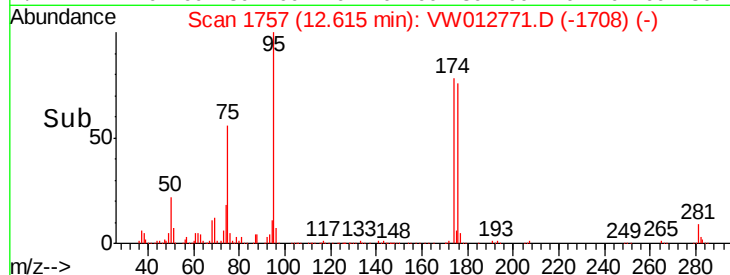
Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

12.62

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012771.D

Acq: 08 Sep 2019 16:01

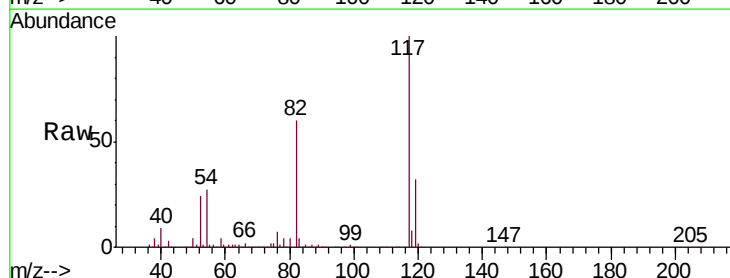
Tgt Ion: 117 Resp: 291998

Ion Ratio Lower Upper

117 100

82 60.5 48.2 72.4

119 32.3 25.8 38.6



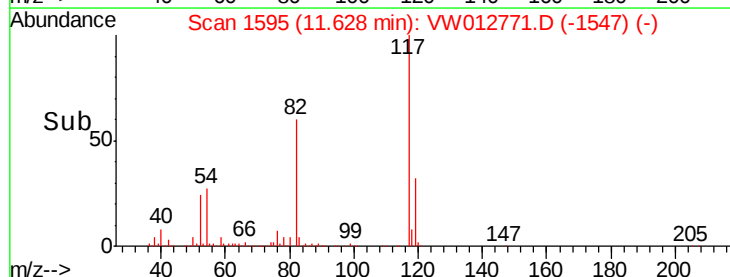
Abundance Ion 116.90 (116.60 to 117.60): VW

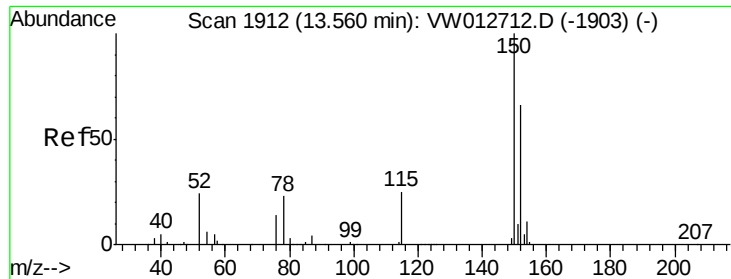
Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

11.63

Time-->



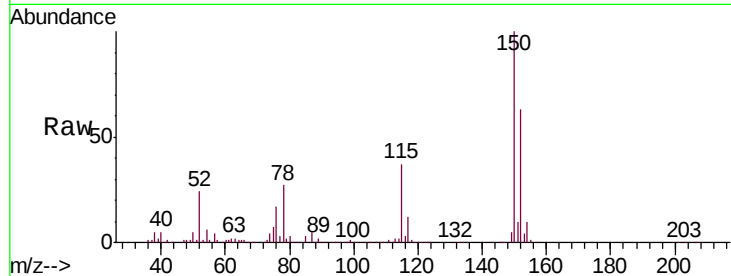


#72

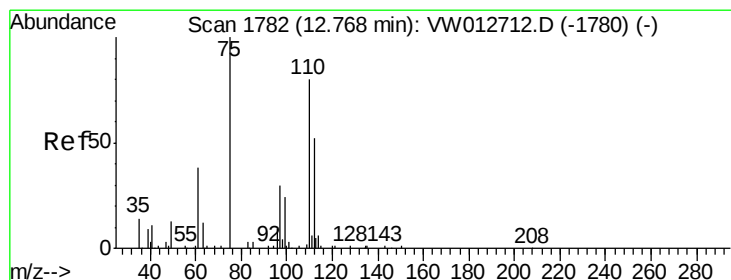
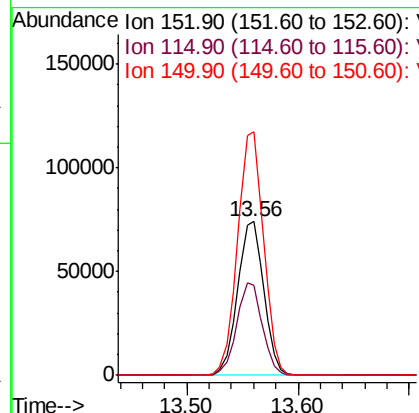
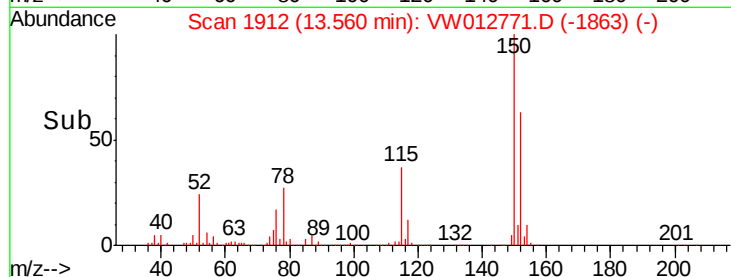
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012771.D
Acq: 08 Sep 2019 16:01

Instrument :
MSVOA_W
ClientSampleId :
PAR-E2-(3.11)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	30.0	90.1
150	157.5	0.0	349.0



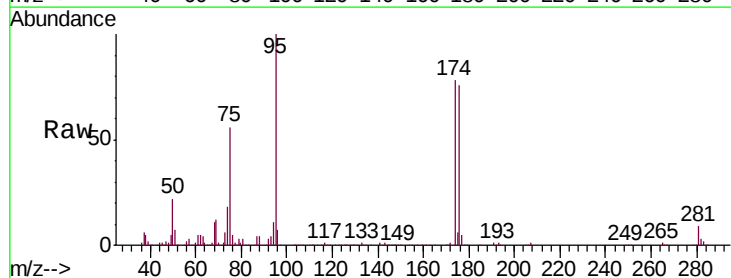
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



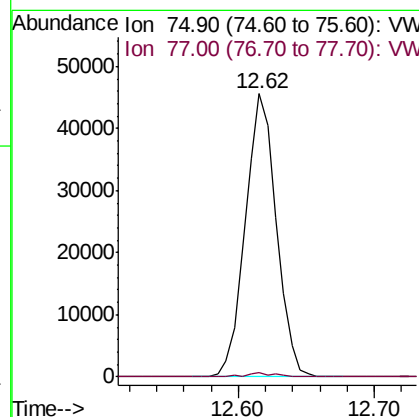
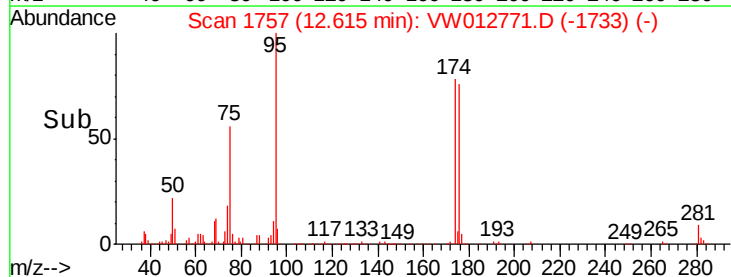
#76

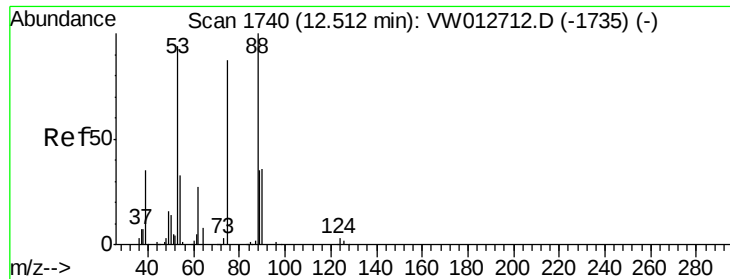
1,2,3-Trichloropropane
Concen: 58.814 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012771.D
Acq: 08 Sep 2019 16:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 124.397 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012771.D

Acq: 08 Sep 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

PAR-E2-(3.11)

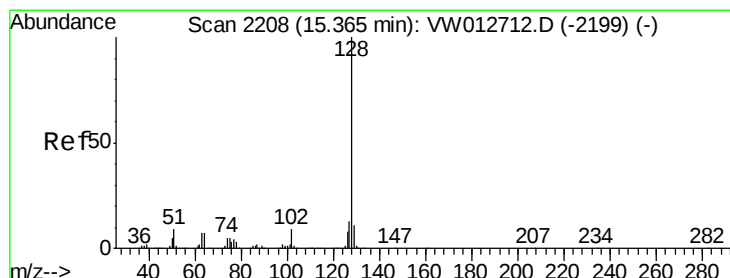
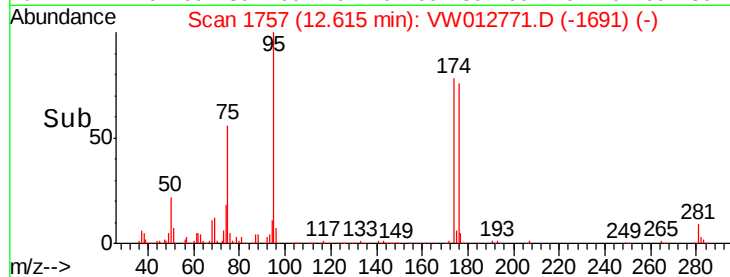
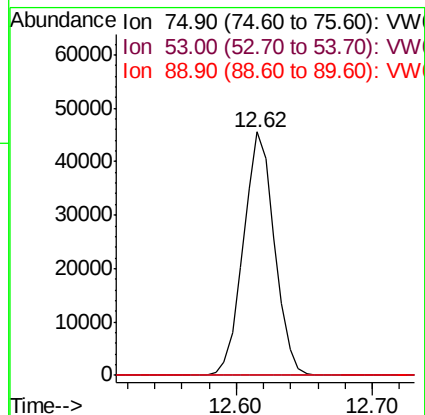
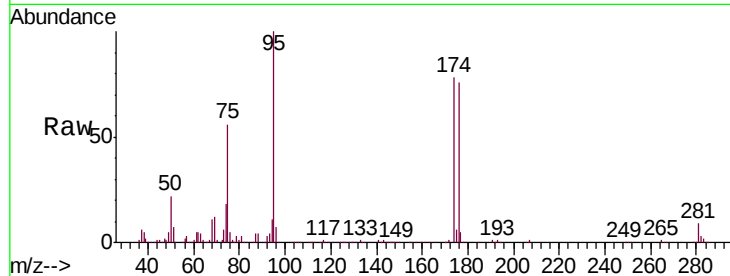
Tgt Ion: 75 Resp: 72560

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 35.5 53.3#



#95

Naphthalene

Concen: 4.538 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012771.D

Acq: 08 Sep 2019 16:01

Tgt Ion: 128 Resp: 549

Ion Ratio Lower Upper

128 100

127 4.0 10.7 16.1#

129 4.0 8.7 13.1#

