

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
 Data File : VW012272.D
 Acq On : 29 Aug 2019 00:44
 Operator : SY/VA
 Sample : K4543-02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2-S2

Quant Time: Aug 29 06:52:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	255114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	422604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	354840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	124835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	160089	52.79	ug/l	0.00
Spiked Amount						
Recovery						105.58%
35) Dibromofluoromethane	7.88	113	127659	50.61	ug/l	0.00
Spiked Amount						
Recovery						101.22%
50) Toluene-d8	10.32	98	525501	51.38	ug/l	0.00
Spiked Amount						
Recovery						102.76%
62) 4-Bromofluorobenzene	12.62	95	161726	44.86	ug/l	0.00
Spiked Amount						
Recovery						89.72%

Target Compounds

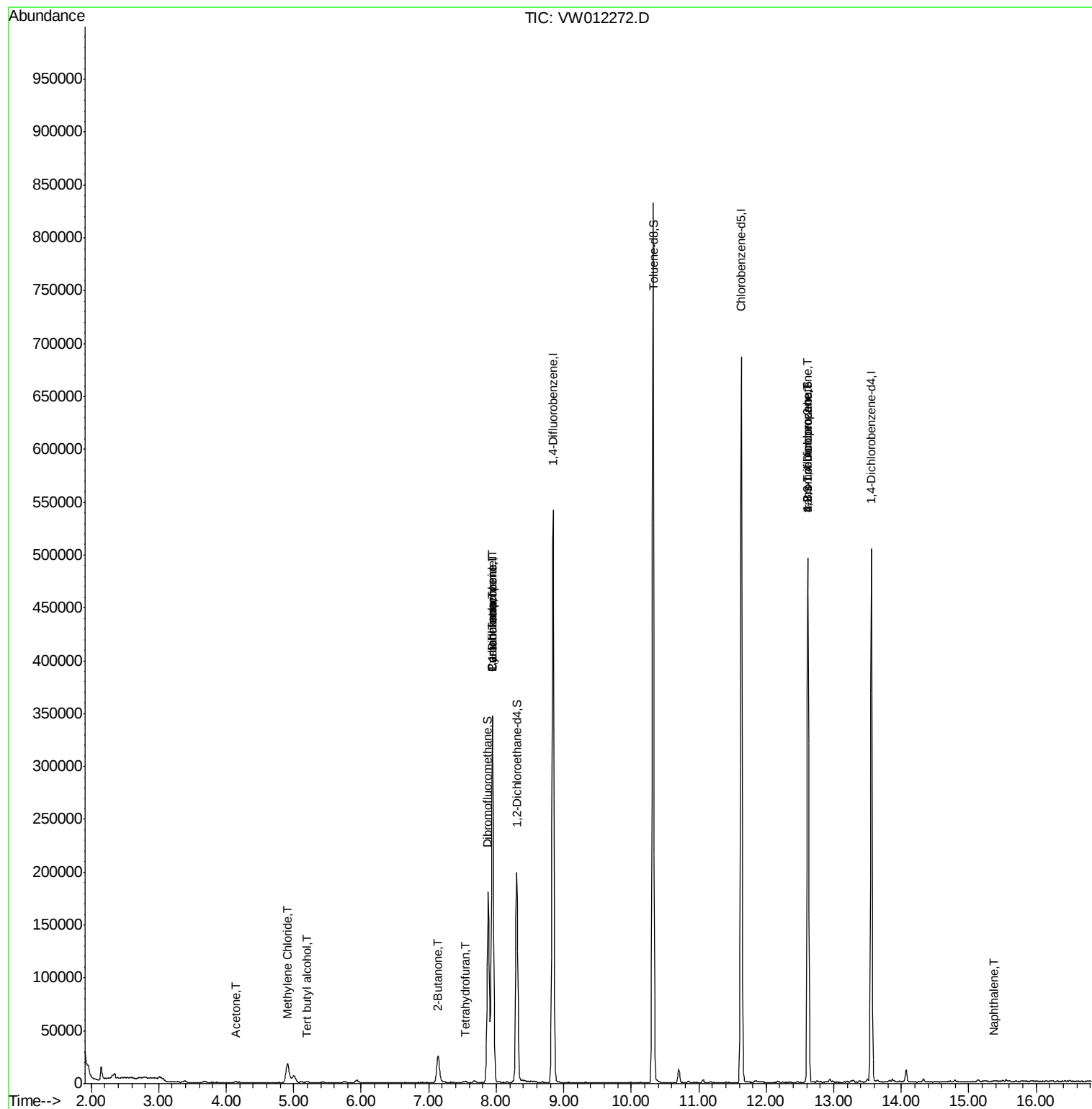
						Qvalue
11) Tert butyl alcohol	5.19	59	511	2.800	ug/l #	71
16) Acetone	4.15	43	2397	3.092	ug/l	96
20) Methylene Chloride	4.92	84	13323	4.546	ug/l	93
25) 2-Butanone	7.14	43	1782	1.692	ug/l #	84
29) Tetrahydrofuran	7.54	42	1461	2.312	ug/l #	70
31) Cyclohexane	7.94	56	6320	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	22011	5.040	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25989	6.876	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	85759	70.537	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85759	154.655	ug/l #	6
95) Naphthalene	15.37	128	1132	4.541	ug/l #	89

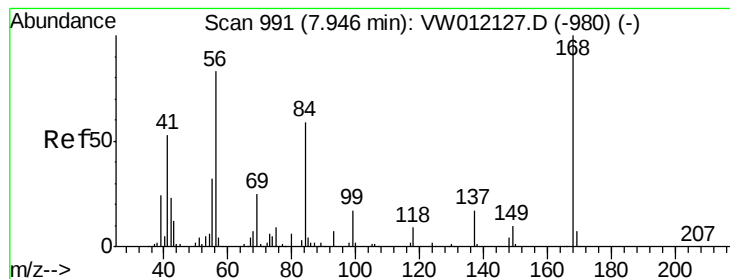
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012272.D

Acq: 29 Aug 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

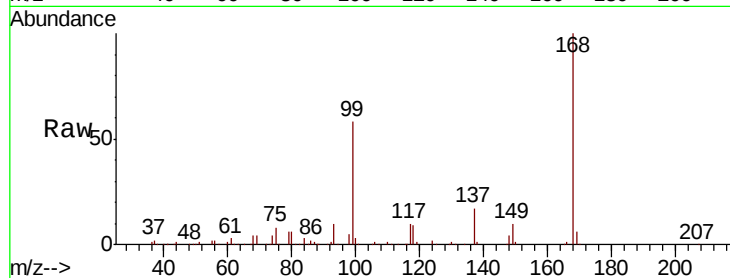
TP-2-S2

Tgt Ion: 168 Resp: 255114

Ion Ratio Lower Upper

168 100

99 58.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

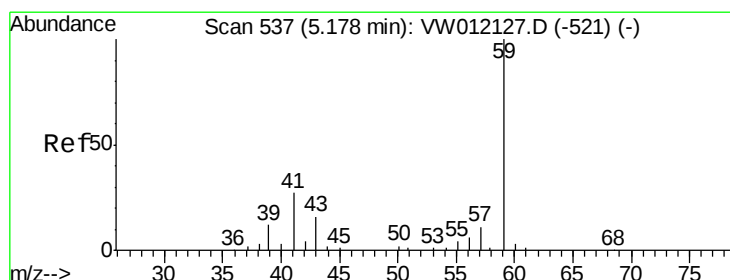
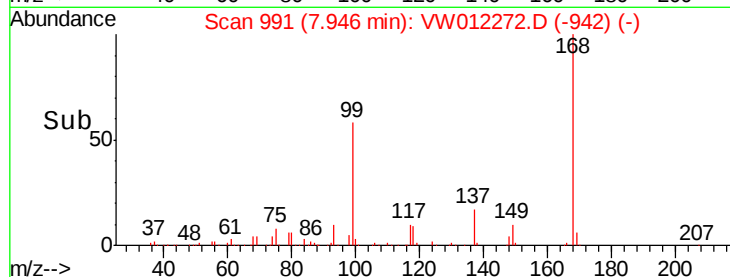
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.800 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW012272.D

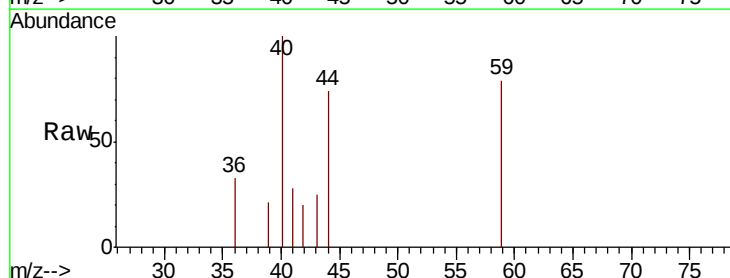
Acq: 29 Aug 2019 00:44

Tgt Ion: 59 Resp: 511

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

400

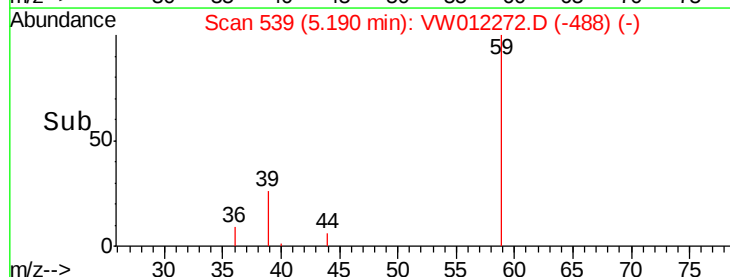
300

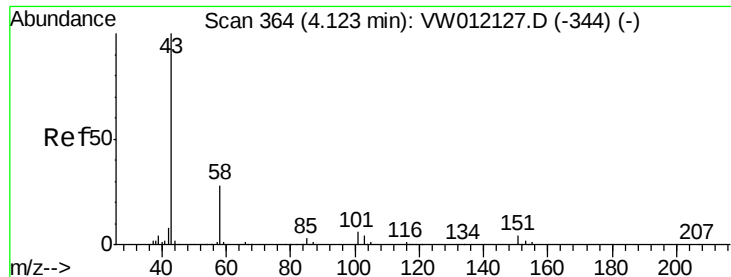
200

100

0

Time-->





#16

Acetone

Concen: 3.092 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW012272.D

Acq: 29 Aug 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

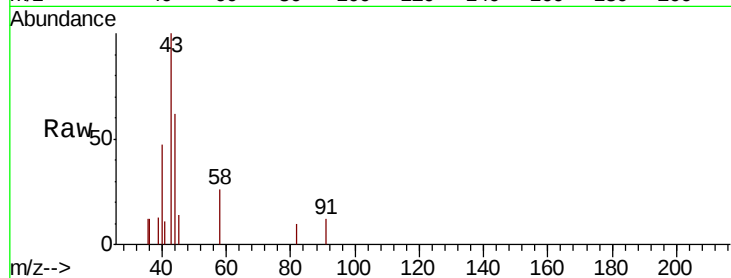
TP-2-S2

Tgt Ion: 43 Resp: 2397

Ion Ratio Lower Upper

43 100

58 26.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

600

500

400

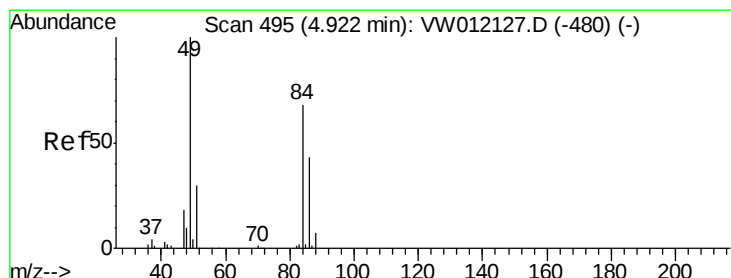
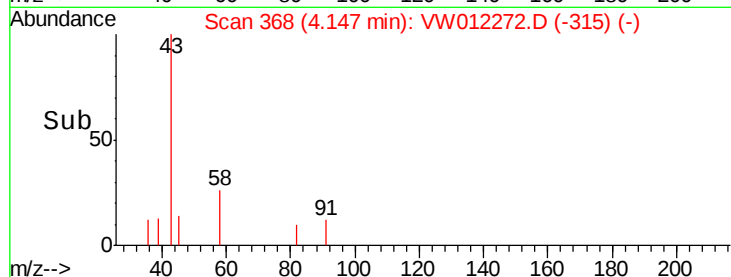
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 4.546 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012272.D

Acq: 29 Aug 2019 00:44

Tgt Ion: 84 Resp: 13323

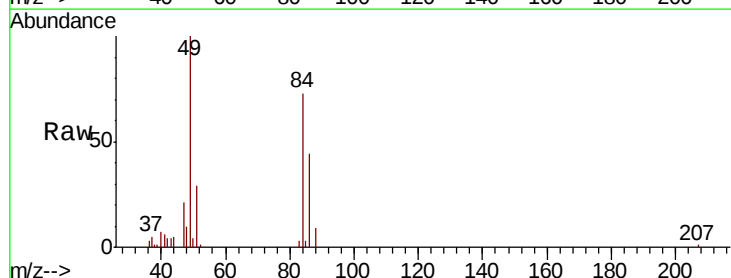
Ion Ratio Lower Upper

84 100

49 137.2 117.8 176.8

51 40.5 35.6 53.4

86 60.4 51.2 76.8



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

8000

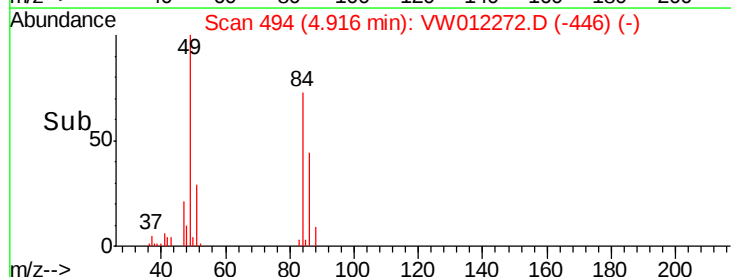
6000

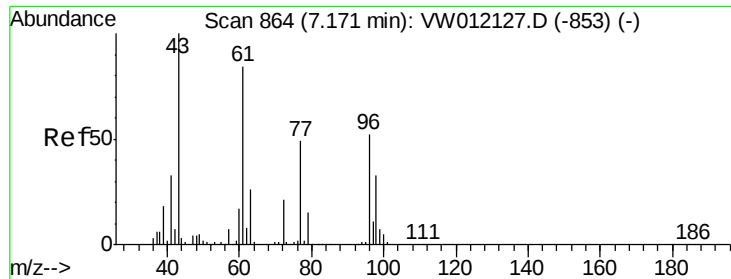
4000

2000

0

Time-->

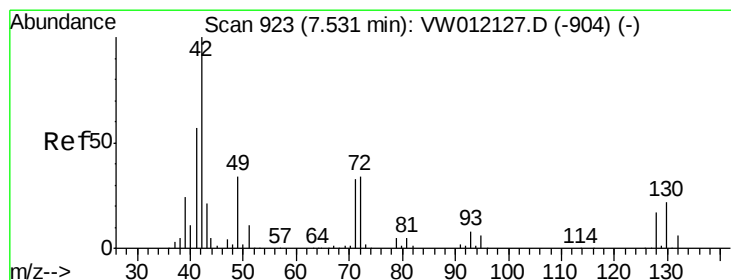
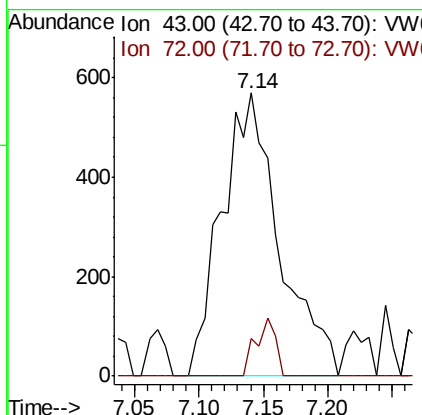
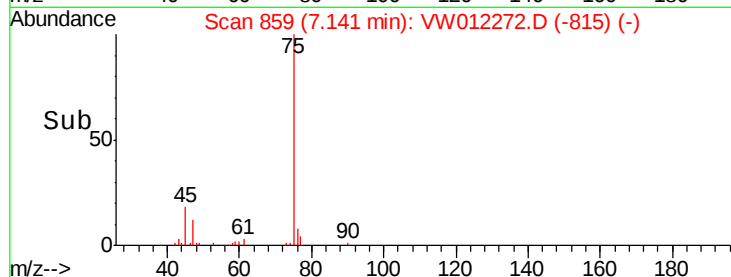
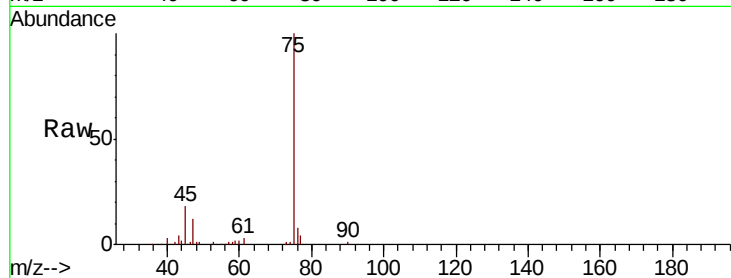




#25
2-Butanone
Concen: 1.692 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW012272.D
Acq: 29 Aug 2019 00:44

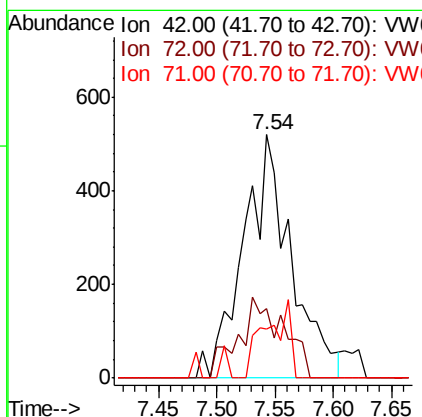
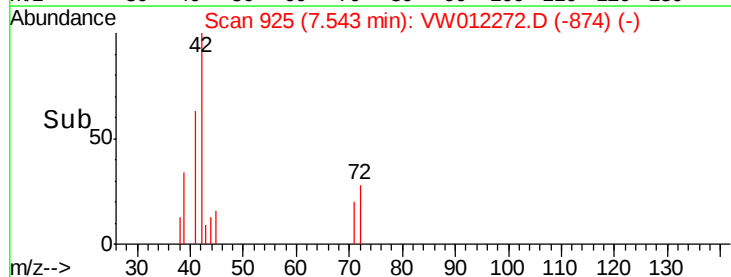
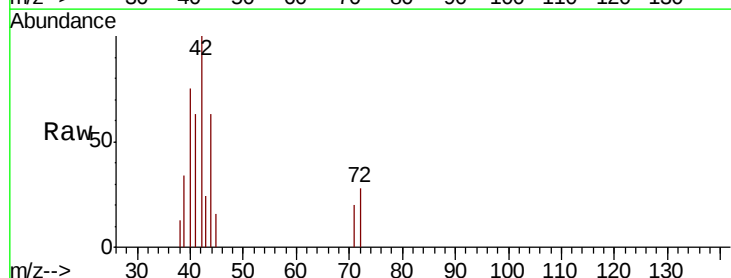
Instrument :
MSVOA_W
ClientSampleId :
TP-2-S2

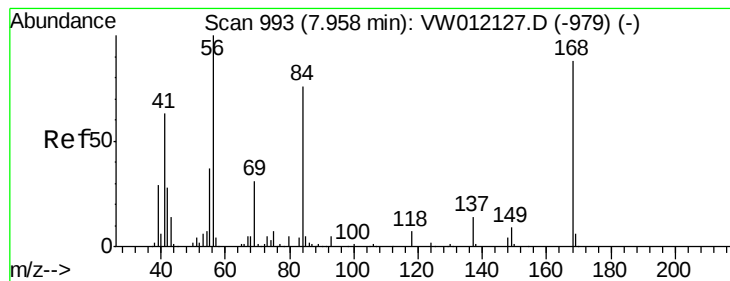
Tgt Ion: 43 Resp: 1782
Ion Ratio Lower Upper
43 100
72 13.2 16.6 24.8#



#29
Tetrahydrofuran
Concen: 2.312 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012272.D
Acq: 29 Aug 2019 00:44

Tgt Ion: 42 Resp: 1461
Ion Ratio Lower Upper
42 100
72 31.7 27.3 40.9
71 0.0 25.5 38.3#





#31

Cyclohexane

Concen: 1.157 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012272.D

Acq: 29 Aug 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

TP-2-S2

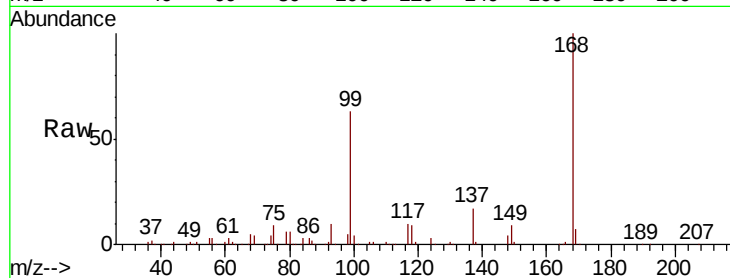
Tgt Ion: 56 Resp: 6320

Ion Ratio Lower Upper

56 100

69 160.4 24.9 37.3#

84 121.6 60.6 90.8#

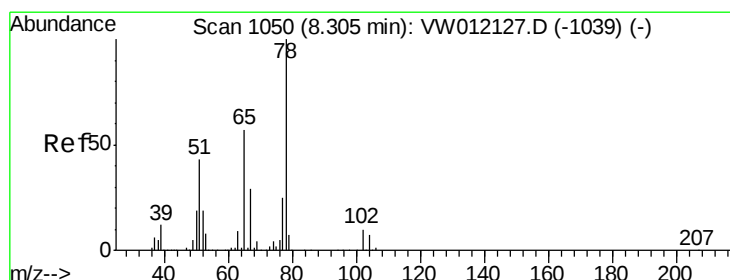
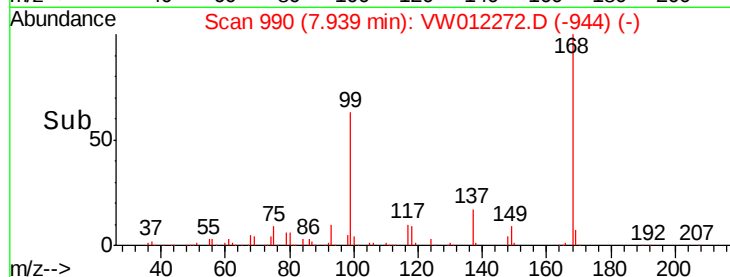
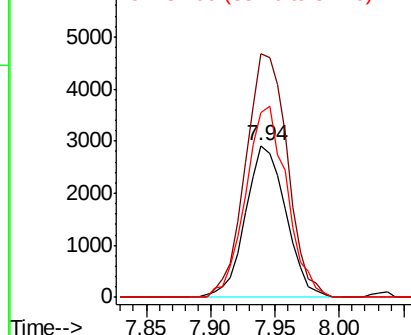


Abundance

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: 52.788 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012272.D

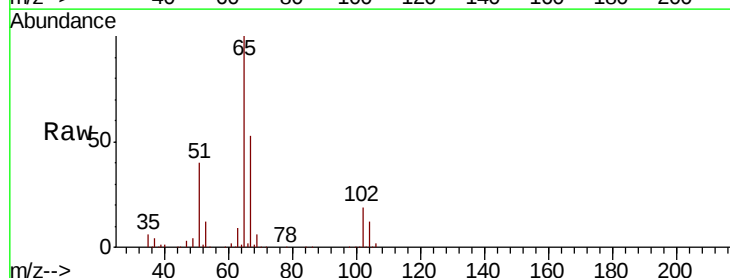
Acq: 29 Aug 2019 00:44

Tgt Ion: 65 Resp: 160089

Ion Ratio Lower Upper

65 100

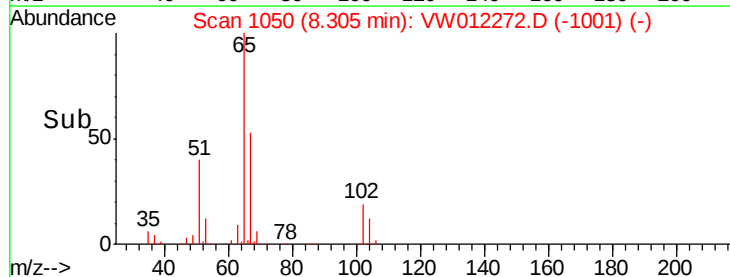
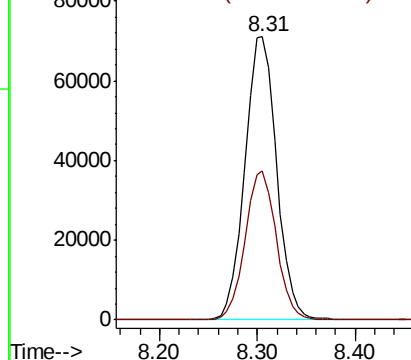
67 51.9 0.0 102.6

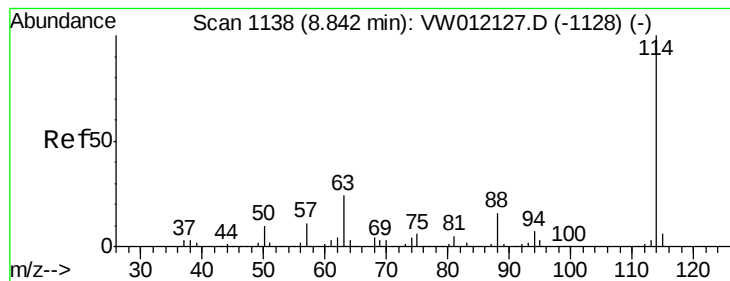


Abundance

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: VW012272.D

Acq: 29 Aug 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

TP-2-S2

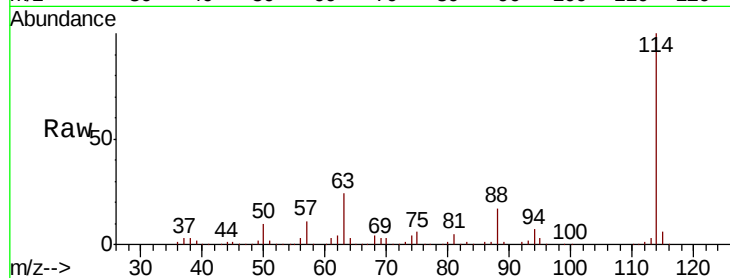
Tgt Ion:114 Resp: 422604

Ion Ratio Lower Upper

114 100

63 24.5 0.0 48.6

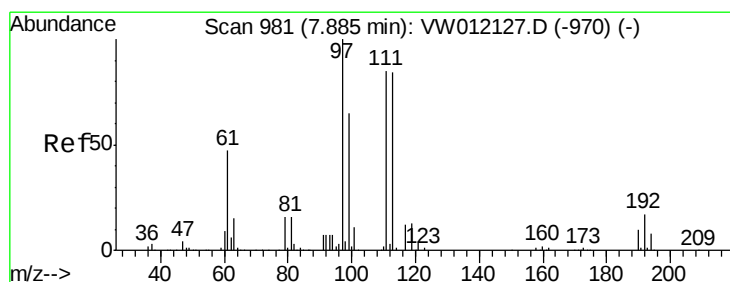
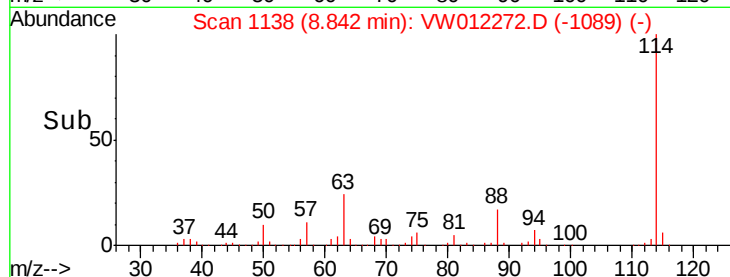
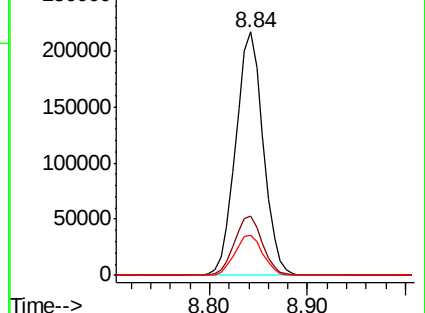
88 16.6 0.0 32.2



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: 50.607 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012272.D

Acq: 29 Aug 2019 00:44

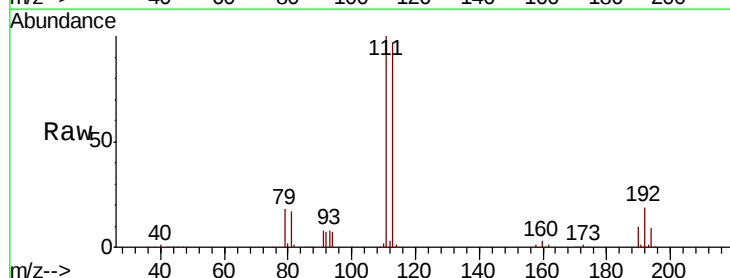
Tgt Ion:113 Resp: 127659

Ion Ratio Lower Upper

113 100

111 103.9 82.7 124.1

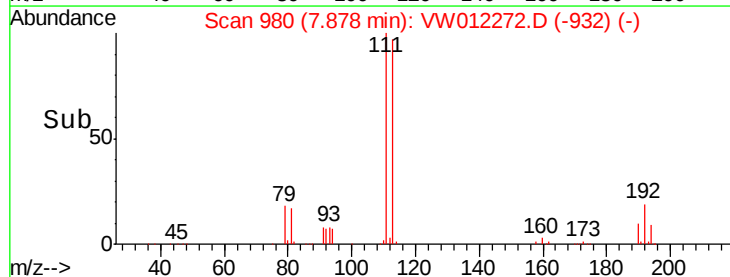
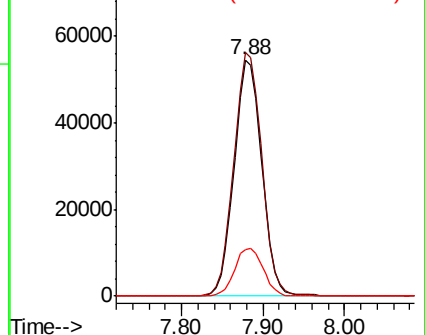
192 20.5 16.2 24.2

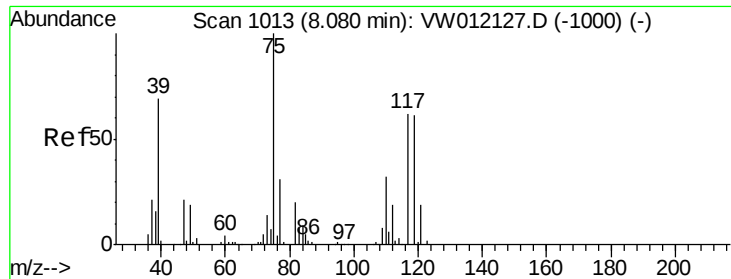


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

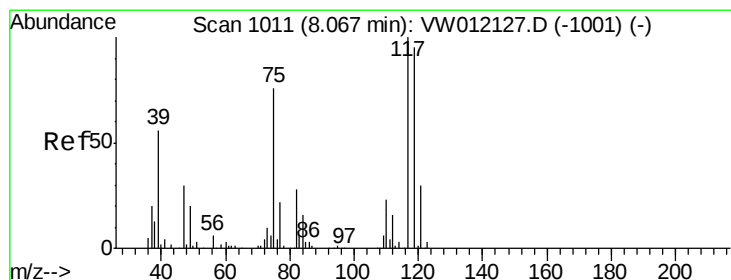
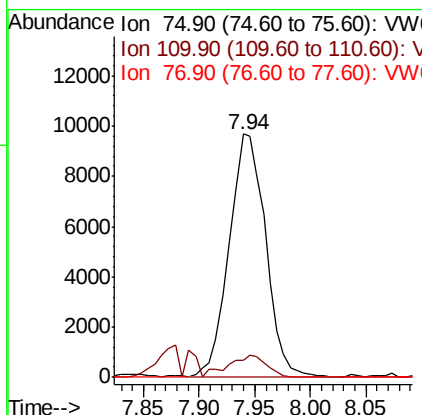
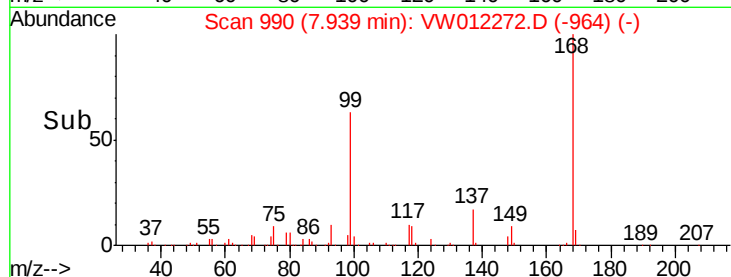
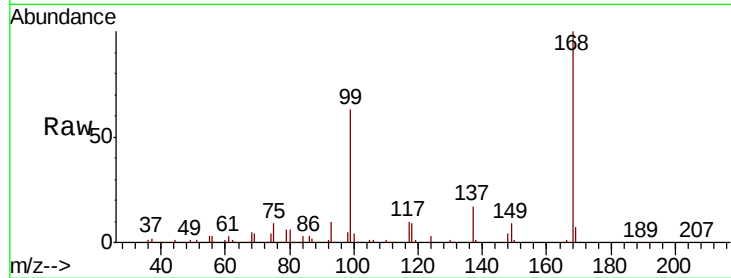




#36
 1,1-Dichloropropene
 Concen: 5.040 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012272.D
 Acq: 29 Aug 2019 00:44

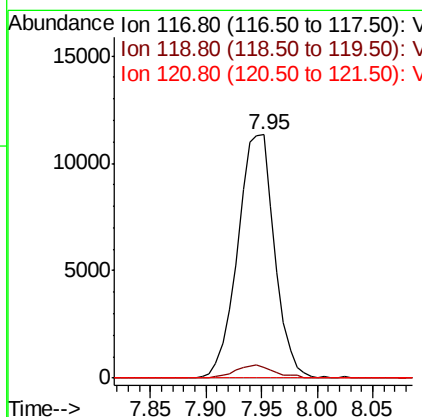
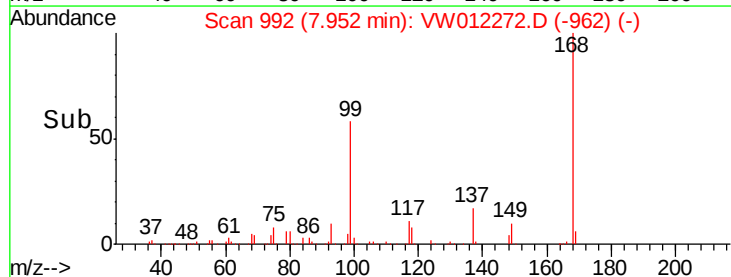
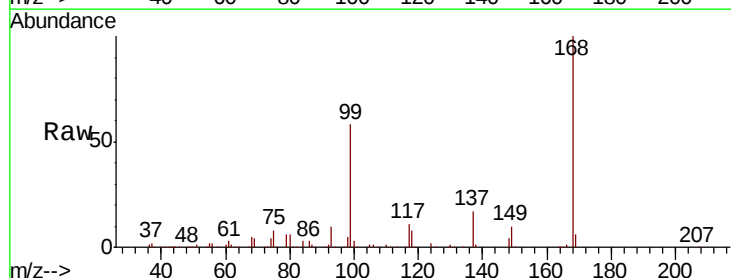
Instrument :
 MSVOA_W
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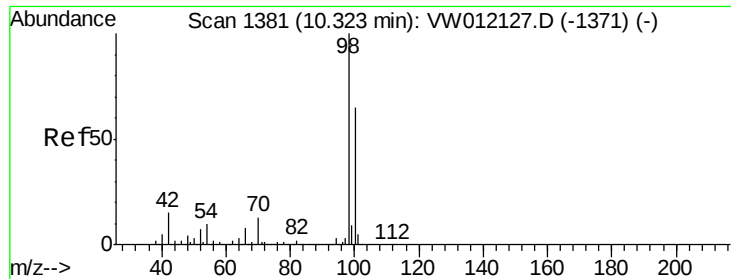
Tgt Ion: 75 Resp: 22011
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.876 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW012272.D
 Acq: 29 Aug 2019 00:44

Tgt Ion: 117 Resp: 25989
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.2 114.2#
 121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 51.378 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012272.D

Acq: 29 Aug 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

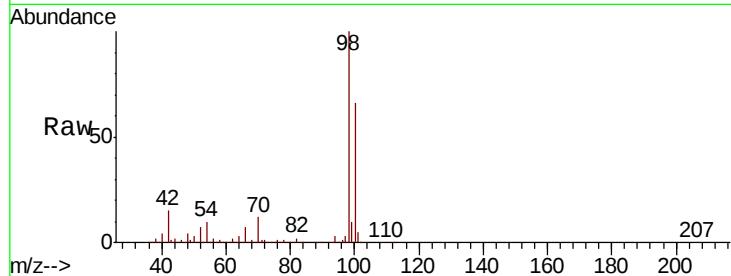
TP-2-S2

Tgt Ion: 98 Resp: 525501

Ion Ratio Lower Upper

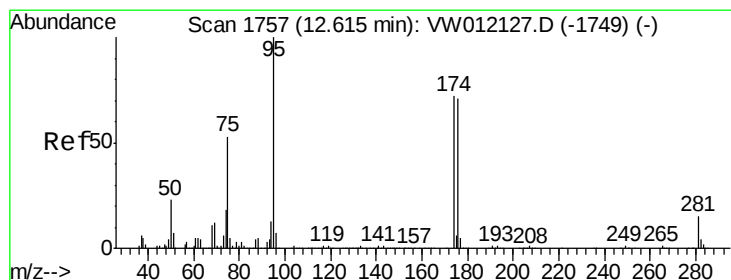
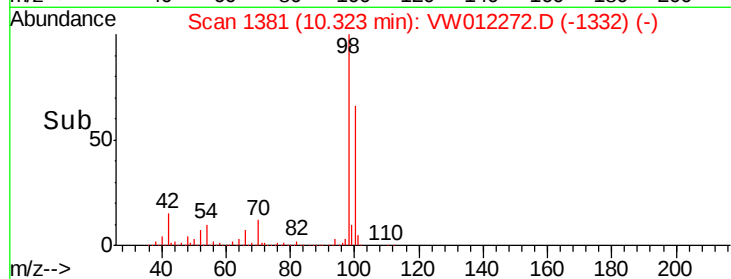
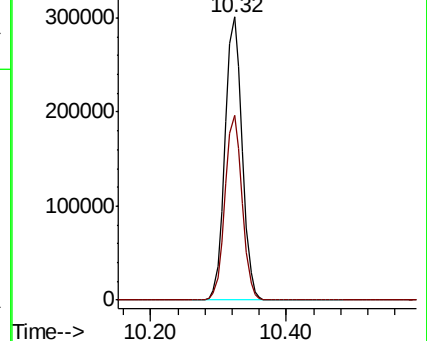
98 100

100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 44.856 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012272.D

Acq: 29 Aug 2019 00:44

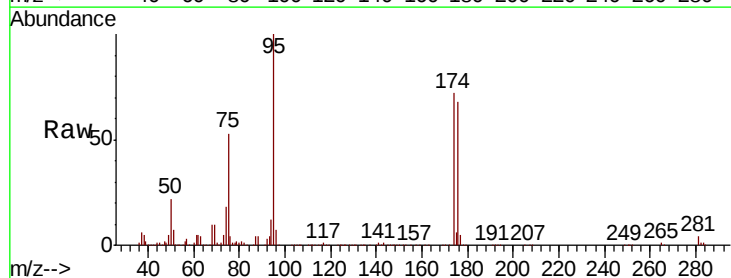
Tgt Ion: 95 Resp: 161726

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.8

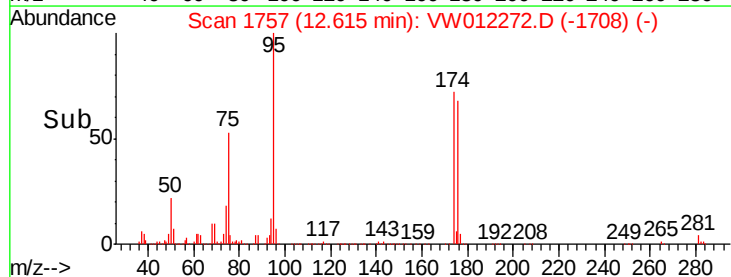
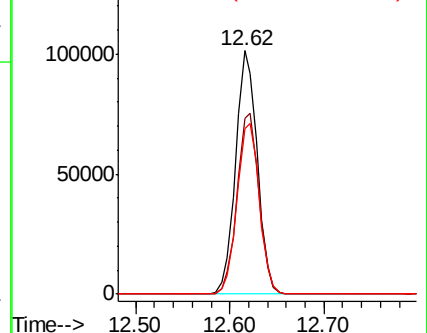
176 72.4 0.0 148.6

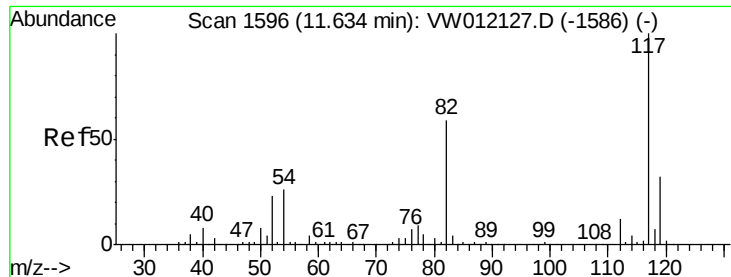


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

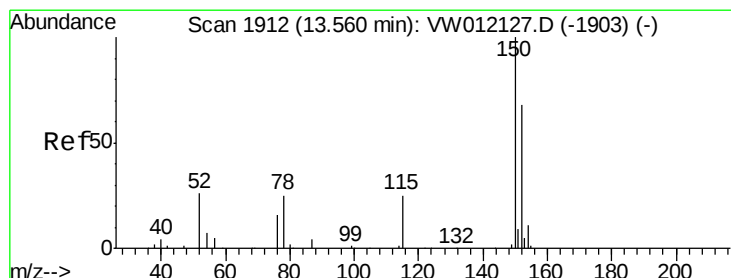
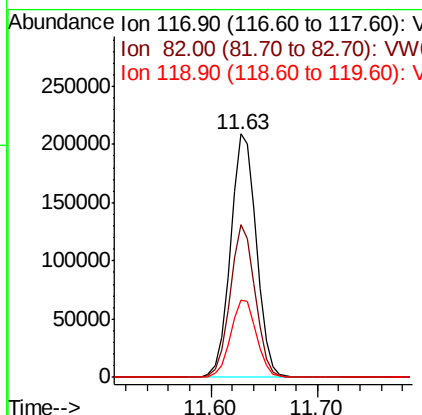
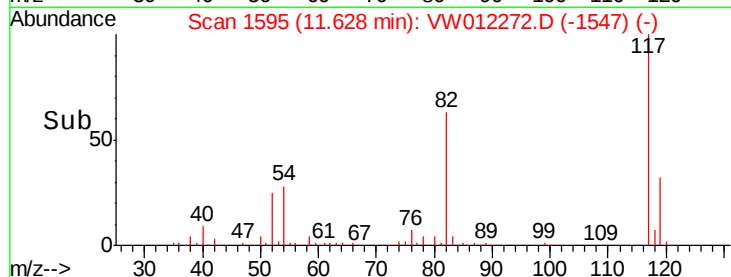
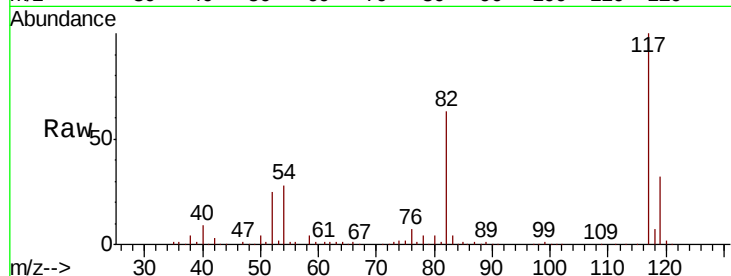




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012272.D
Acq: 29 Aug 2019 00:44

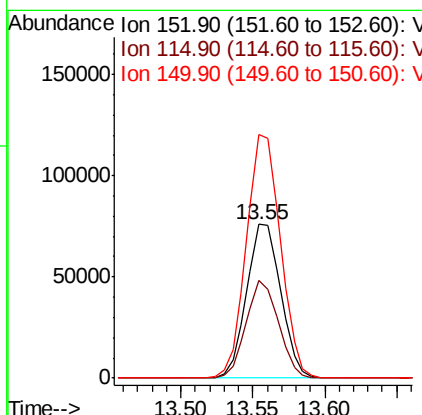
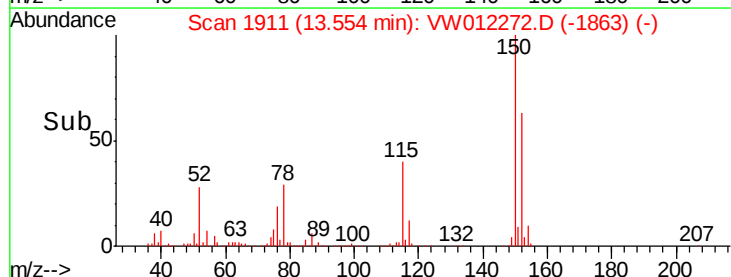
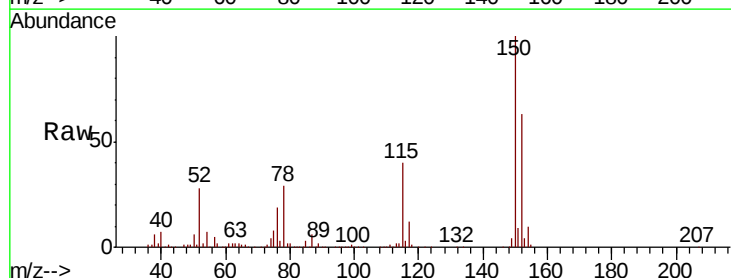
Instrument :
MSVOA_W
ClientSampled :
TP-2-S2

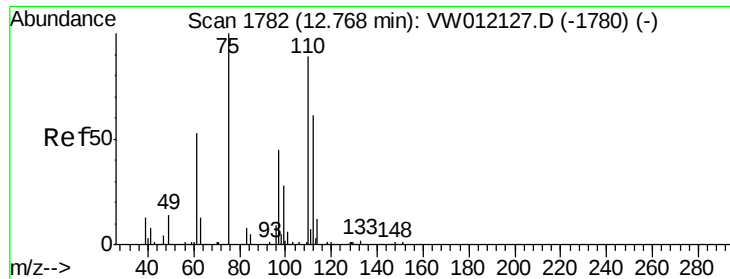
Tgt Ion:117 Resp: 354840
Ion Ratio Lower Upper
117 100
82 62.7 47.4 71.2
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012272.D
Acq: 29 Aug 2019 00:44

Tgt Ion:152 Resp: 124835
Ion Ratio Lower Upper
152 100
115 60.6 30.1 90.3
150 157.6 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 70.537 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012272.D

Acq: 29 Aug 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

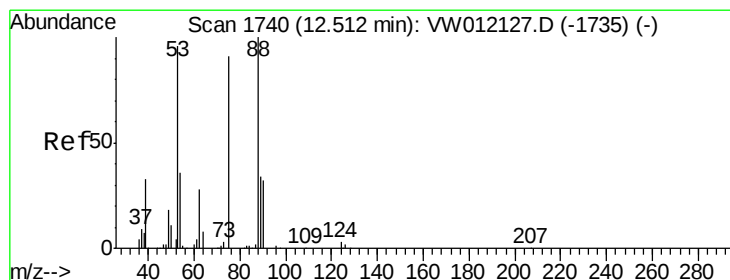
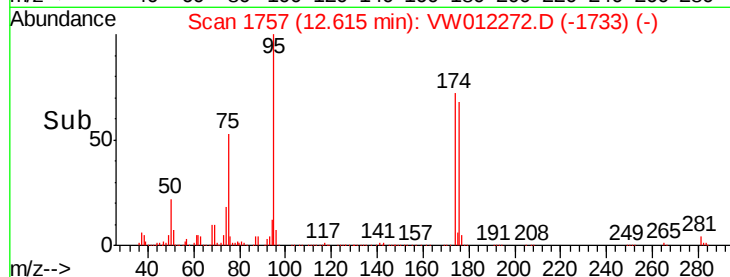
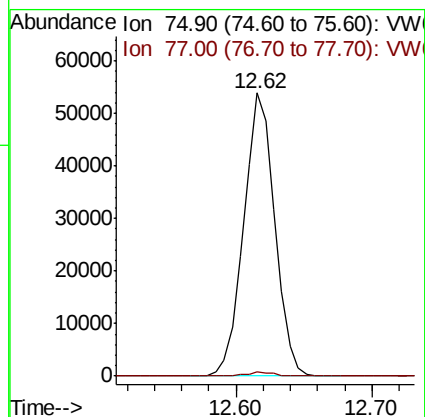
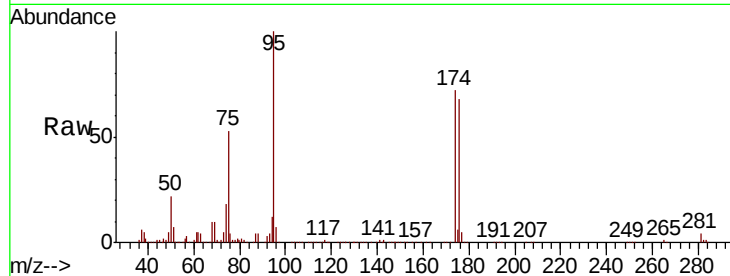
TP-2-S2

Tgt Ion: 75 Resp: 85759

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 154.655 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012272.D

Acq: 29 Aug 2019 00:44

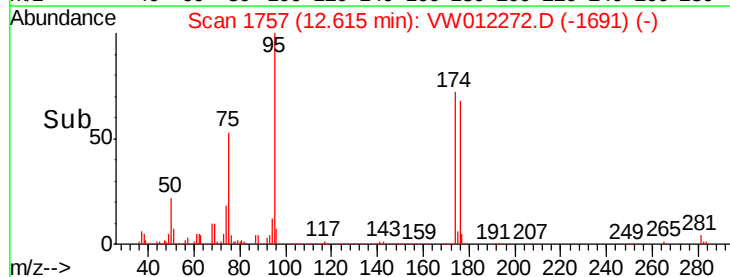
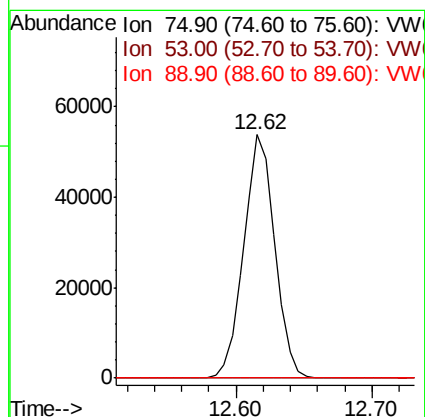
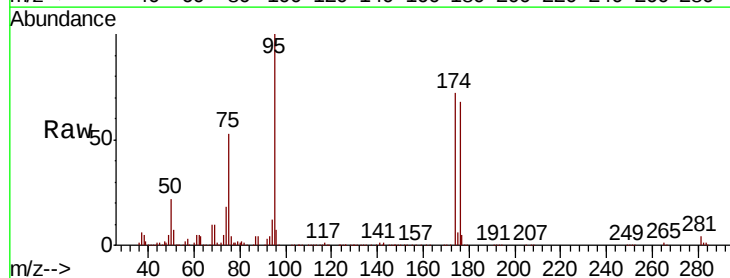
Tgt Ion: 75 Resp: 85759

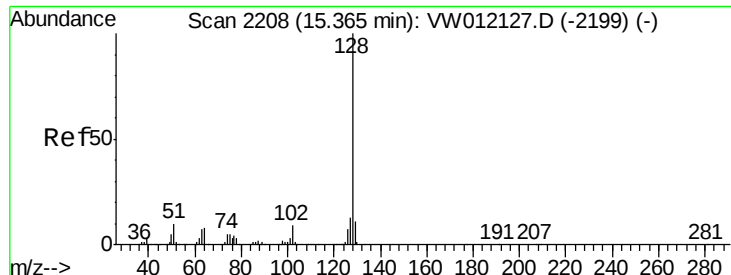
Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.541 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012272.D

Acq: 29 Aug 2019 00:44

Instrument :

MSVOA_W

ClientSampleId :

TP-2-S2

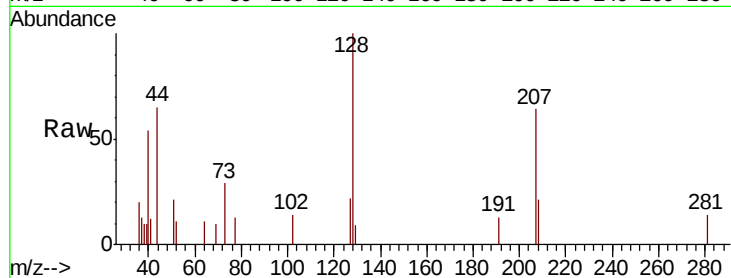
Tgt Ion:128 Resp: 1132

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

129 1.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

