

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011537.D
 Acq On : 27 Jul 2019 00:27
 Operator : SY/VA
 Sample : K3990-03
 Misc : 5.01G/5.0ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3-A

Quant Time: Jul 27 05:35:41 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	223989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107016	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	142774	55.51	ug/l	0.00
Spiked Amount			Recovery	=	111.02%	
35) Dibromofluoromethane	7.88	113	113259	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	
50) Toluene-d8	10.32	98	447231	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.62	95	133251	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	

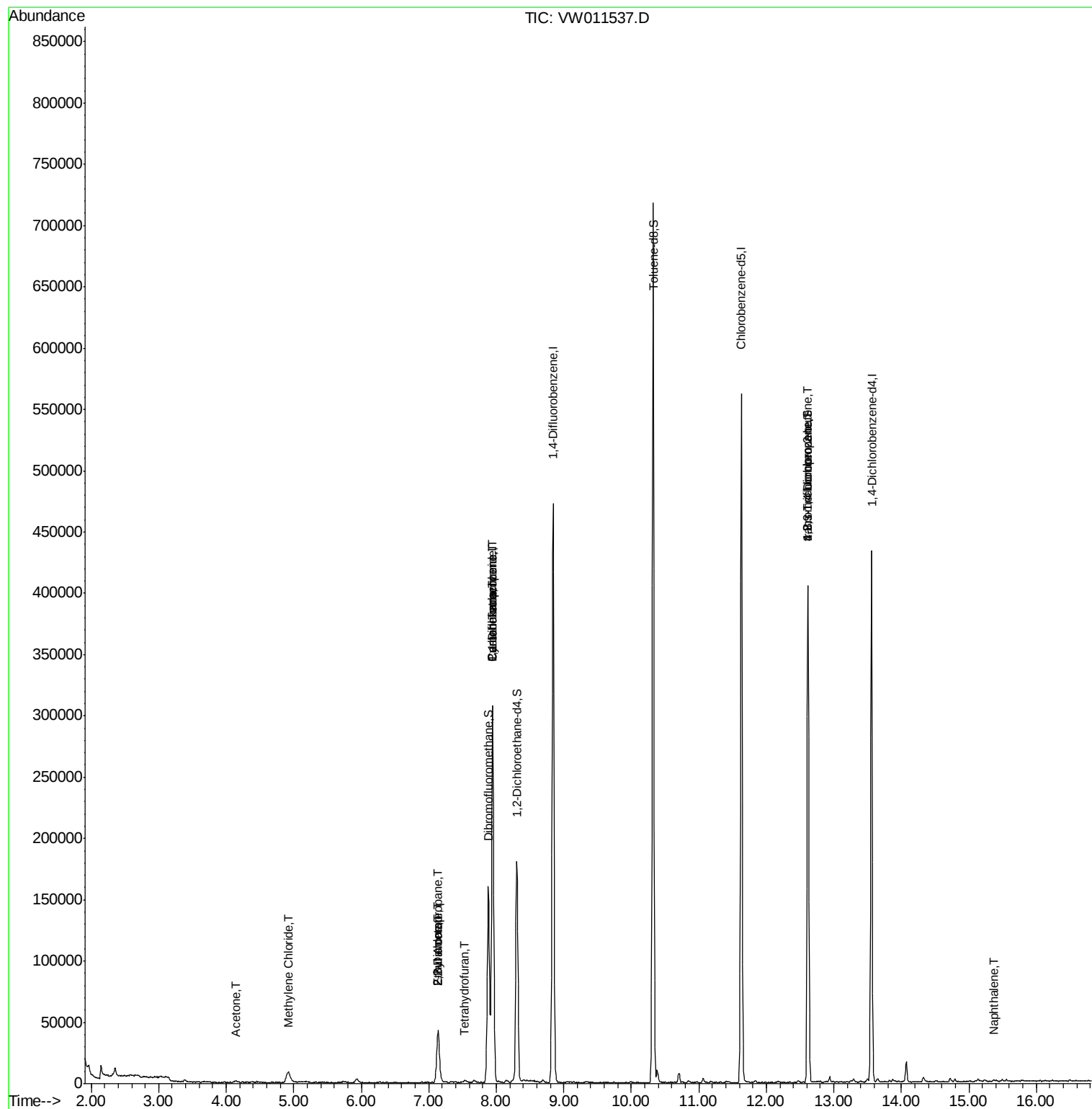
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	1260	Below Cal	#	83
16) Acetone	4.15	43	2177	2.661	ug/l	97
20) Methylene Chloride	4.92	84	6778	2.402	ug/l	94
25) 2-Butanone	7.14	43	2885	2.695	ug/l #	79
26) 2,2-Dichloropropane	7.14	77	3085	1.001	ug/l #	54
29) Tetrahydrofuran	7.53	42	1633	2.669	ug/l #	57
31) Cyclohexane	7.95	56	6084	1.265	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19276	4.974	ug/l #	51
37) Ethyl Acetate	7.14	43	2885	1.294	ug/l #	1
38) Carbon Tetrachloride	7.95	117	22670	6.833	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	71445	63.094	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71445	145.411	ug/l #	6
95) Naphthalene	15.38	128	1232	2.346	ug/l	98

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

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Quant Time: Jul 27 05:35:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 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: VW011537.D

Acq: 27 Jul 2019 00:27

Instrument :

MSVOA_W

ClientSampleId :

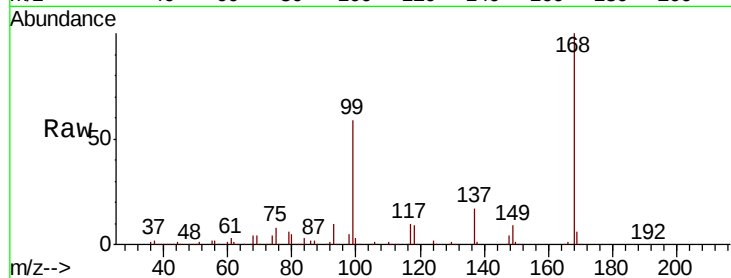
TP-3-A

Tot Ion:168 Resp: 223989

Ion Ratio Lower Upper

168 100

99 58.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

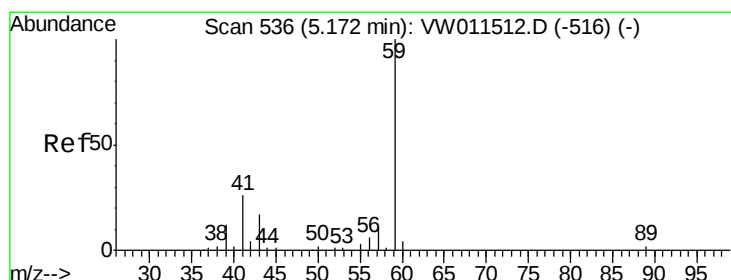
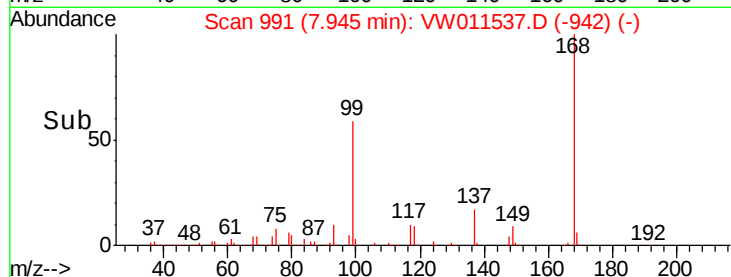
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW011537.D

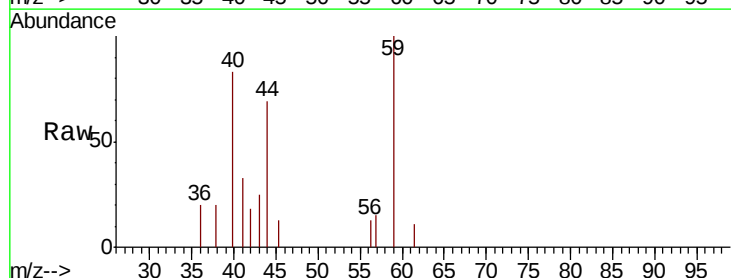
Acq: 27 Jul 2019 00:27

Tgt Ion: 59 Resp: 1260

Ion Ratio Lower Upper

59 100

57 17.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

500

400

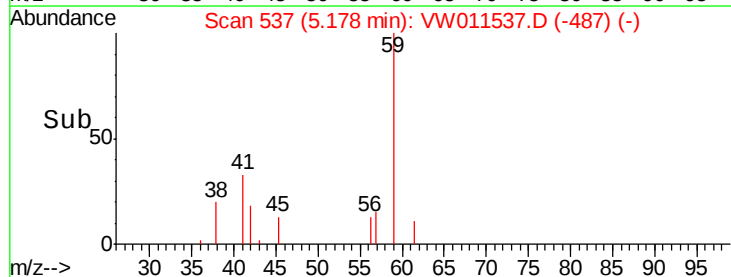
300

200

100

0

Time-->





#16

Acetone

Concen: 2.661 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW011537.D

Acq: 27 Jul 2019 00:27

Instrument :

MSVOA_W

ClientSampleId :

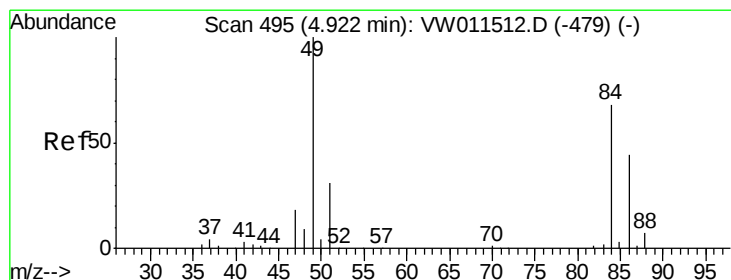
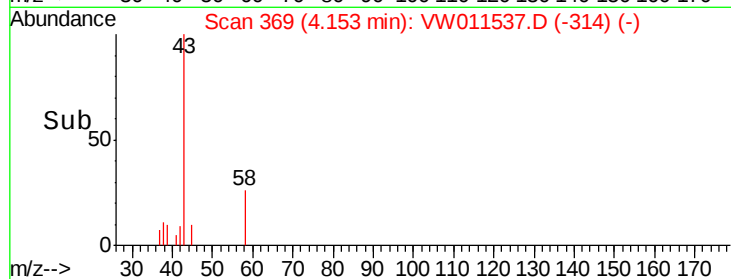
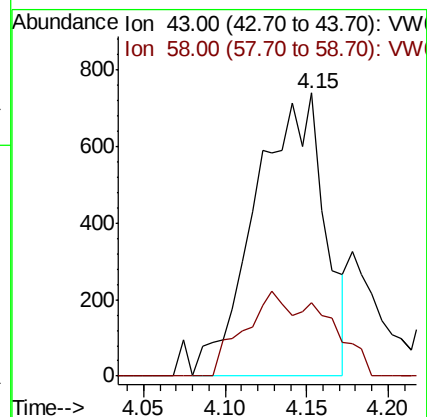
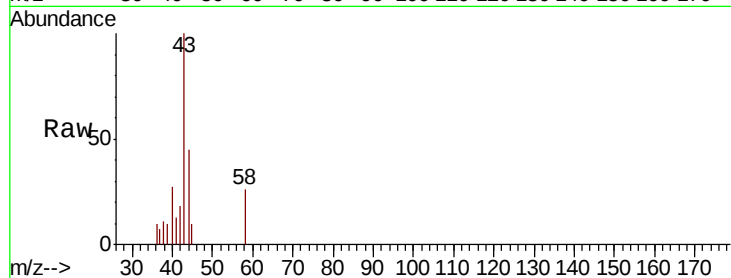
TP-3-A

Tot Ion: 43 Resp: 2177

Ion Ratio Lower Upper

43 100

58 26.1 22.3 33.5



#20

Methylene Chloride

Concen: 2.402 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011537.D

Acq: 27 Jul 2019 00:27

Tgt Ion: 84 Resp: 6778

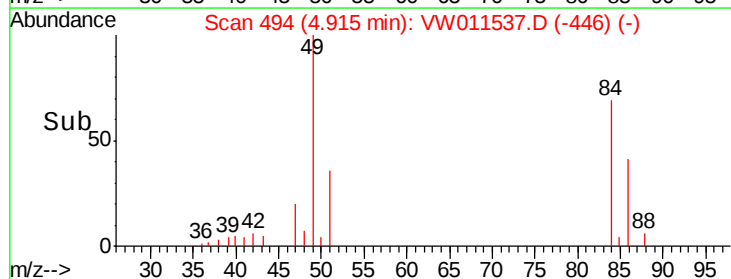
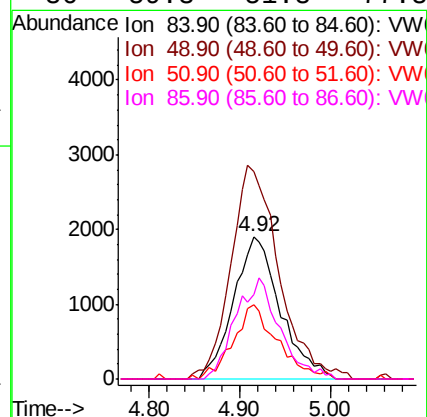
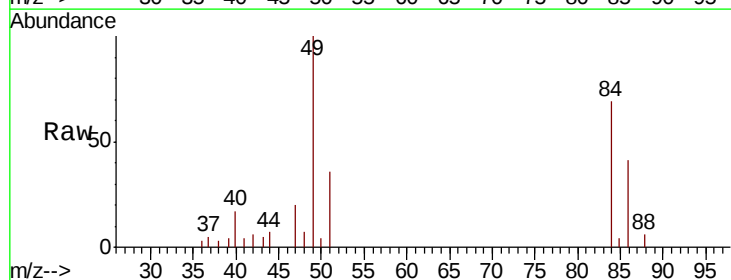
Ion Ratio Lower Upper

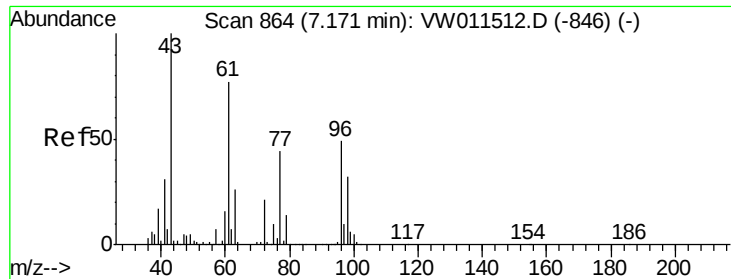
84 100

49 142.1 117.8 176.6

51 51.9 37.0 55.4

86 59.3 51.8 77.8





#25

2-Butanone

Concen: 2.695 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011537.D

Acq: 27 Jul 2019 00:27

Instrument :

MSVOA_W

ClientSampled :

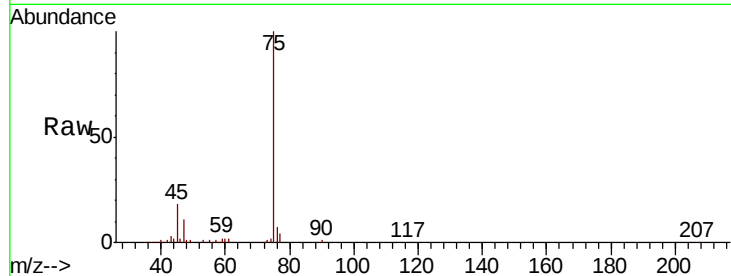
TP-3-A

Tot Ion: 43 Resp: 2885

Ion Ratio Lower Upper

43 100

72 11.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.14

1000

800

600

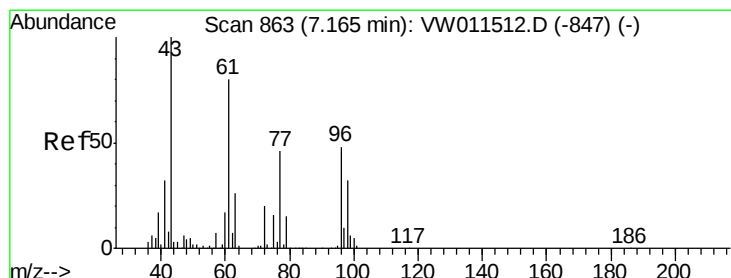
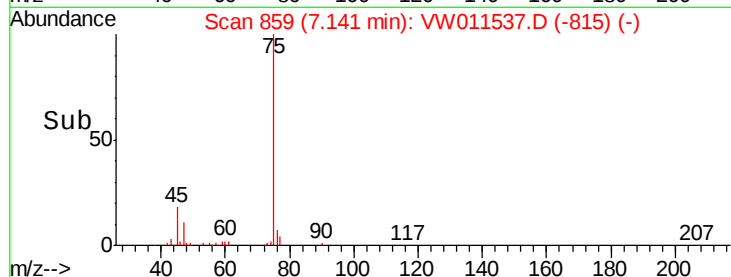
400

200

0

7.05 7.10 7.15 7.20

Time-->



#26

2,2-Dichloropropane

Concen: 1.001 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011537.D

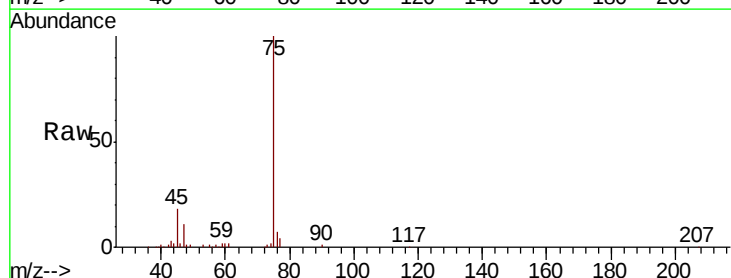
Acq: 27 Jul 2019 00:27

Tgt Ion: 77 Resp: 3085

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.14

1200

1000

800

600

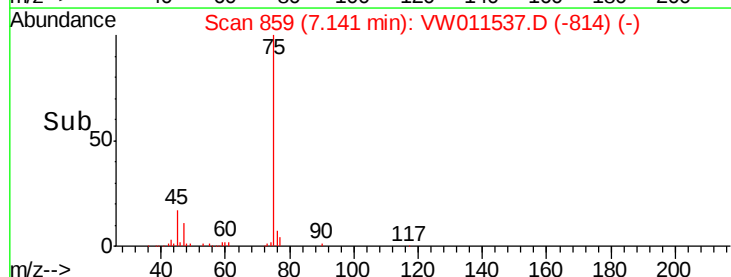
400

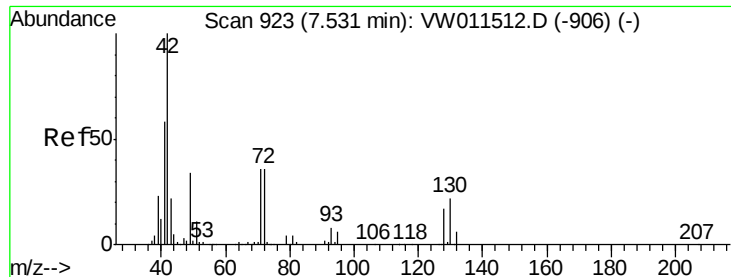
200

0

7.05 7.10 7.15 7.20

Time-->

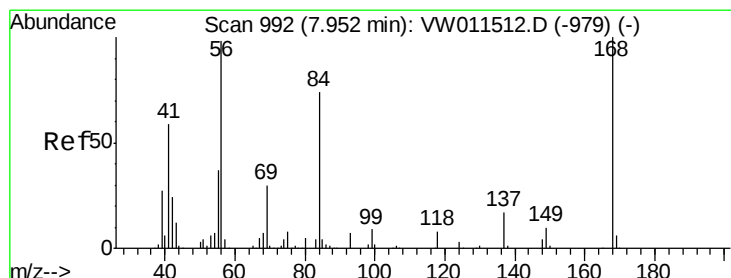
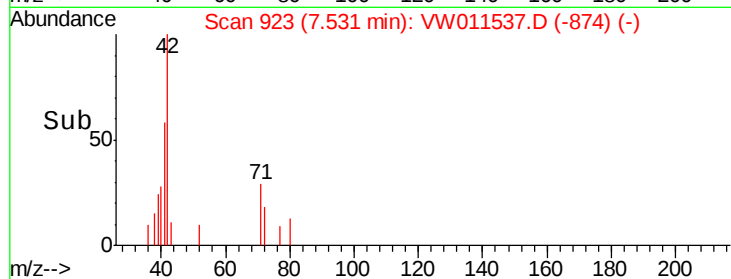
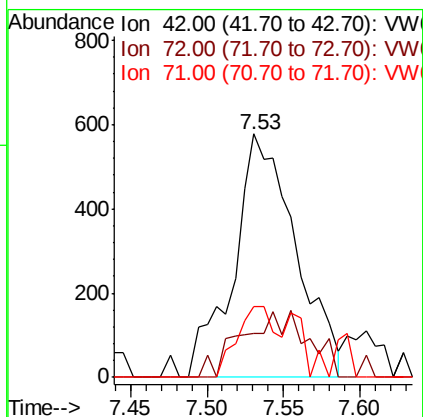
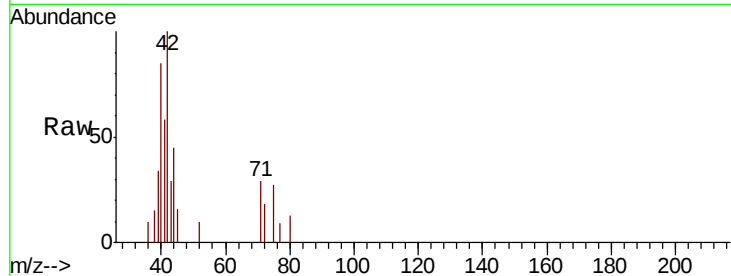




#29
Tetrahydrofuran
Concen: 2.669 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011537.D
Acq: 27 Jul 2019 00:27

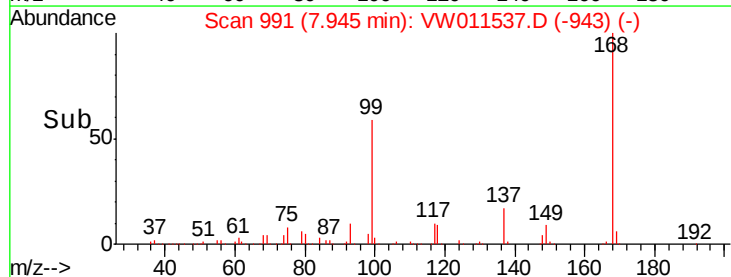
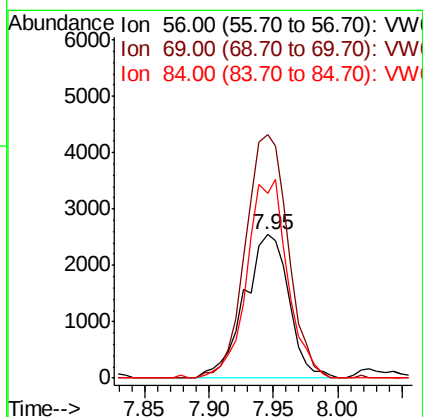
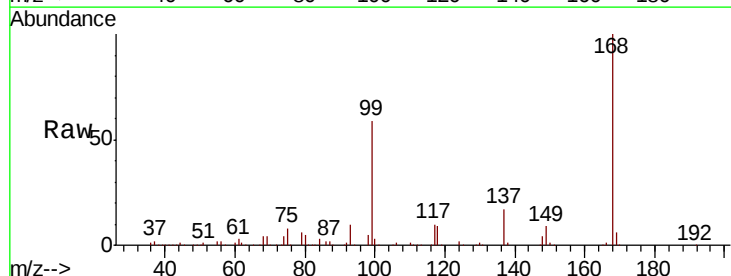
Instrument :
MSVOA_W
ClientSampleId :
TP-3-A

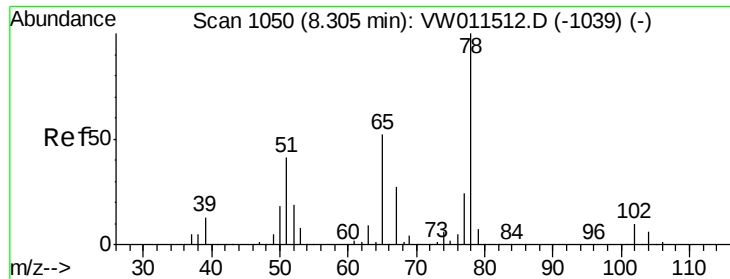
Tot Ion: 42 Resp: 1633
Ion Ratio Lower Upper
42 100
72 0.0 27.1 40.7#
71 18.3 26.2 39.4#



#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011537.D
Acq: 27 Jul 2019 00:27

Tgt Ion: 56 Resp: 6084
Ion Ratio Lower Upper
56 100
69 169.6 24.3 36.5#
84 129.1 60.4 90.6#

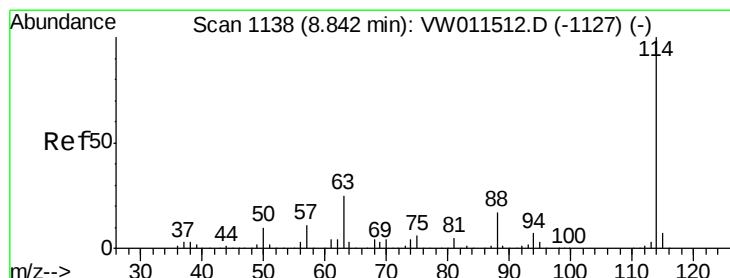
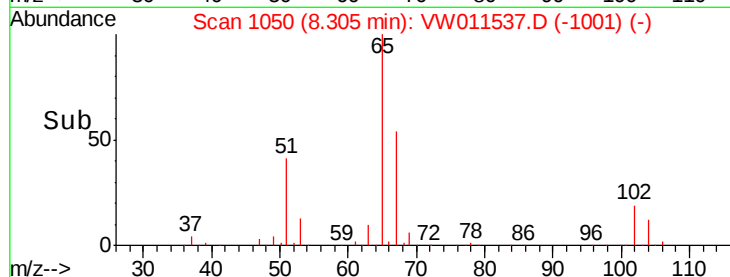
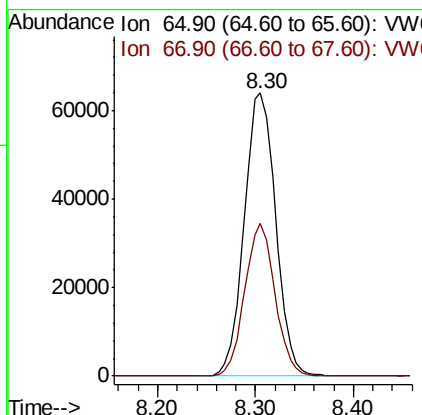
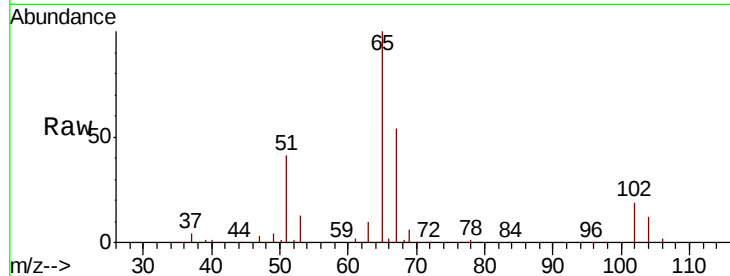




#33
 1,2-Dichloroethane-d4
 Concen: 55.511 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011537.D
 Acq: 27 Jul 2019 00:27

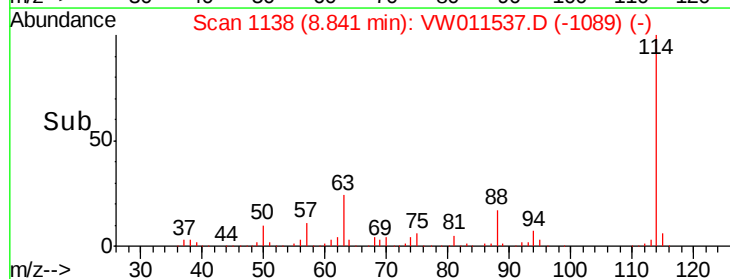
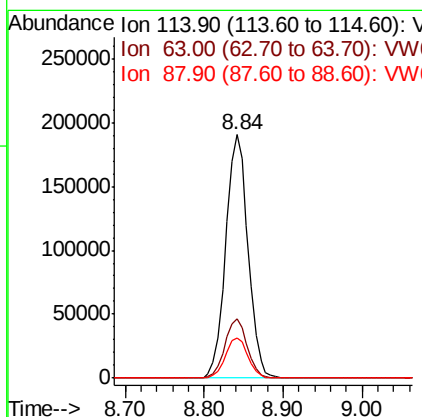
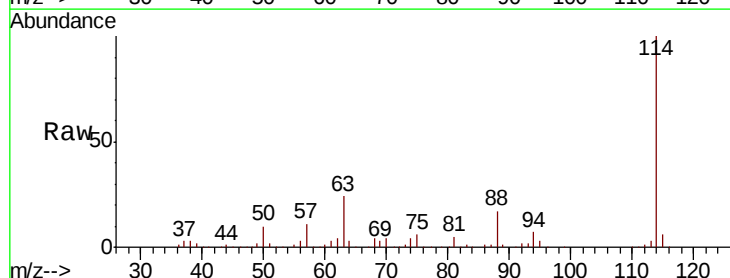
Instrument :
 MSVOA_W
 ClientSampled :
 TP-3-A

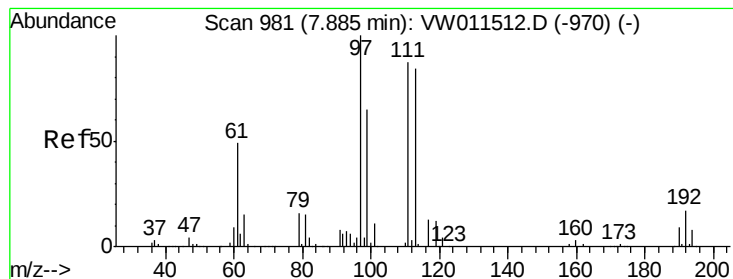
Tot Ion: 65 Resp: 142774
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011537.D
 Acq: 27 Jul 2019 00:27

Tgt Ion: 114 Resp: 372721
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.164 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011537.D

Acq: 27 Jul 2019 00:27

Instrument :

MSVOA_W

ClientSampleId :

TP-3-A

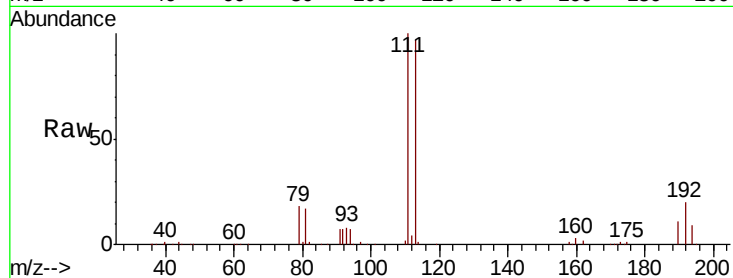
Tot Ion:113 Resp: 113259

Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

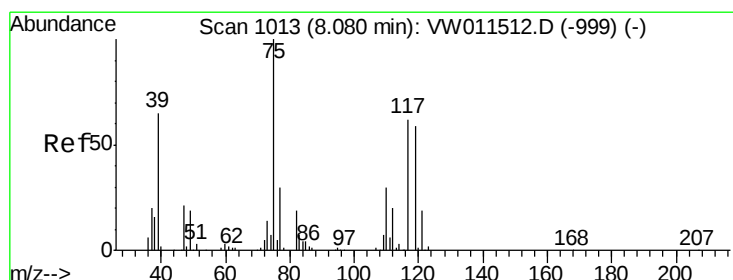
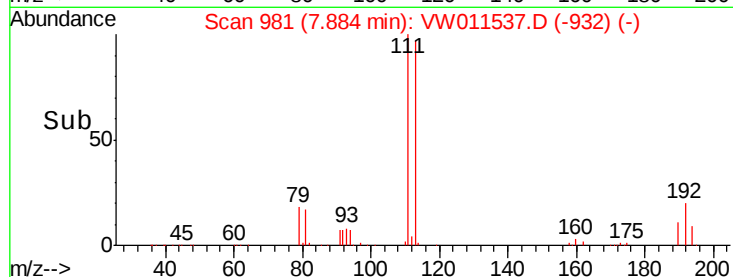
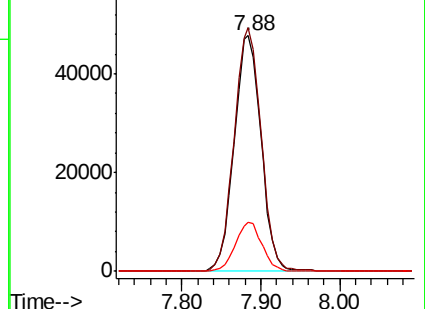
192 20.6 16.1 24.1



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: 4.974 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW011537.D

Acq: 27 Jul 2019 00:27

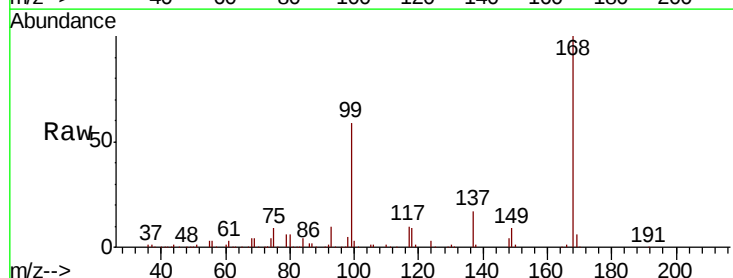
Tgt Ion: 75 Resp: 19276

Ion Ratio Lower Upper

75 100

110 7.5 15.6 46.8#

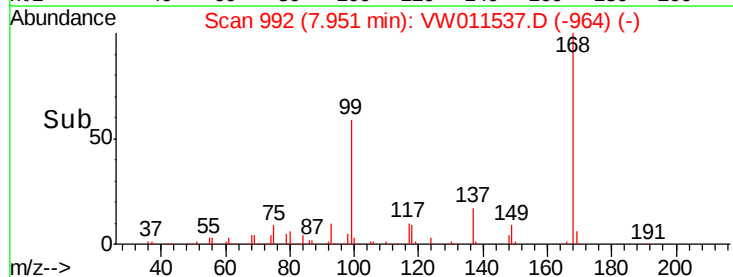
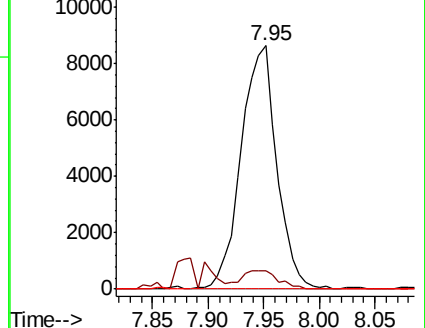
77 0.0 24.3 36.5#

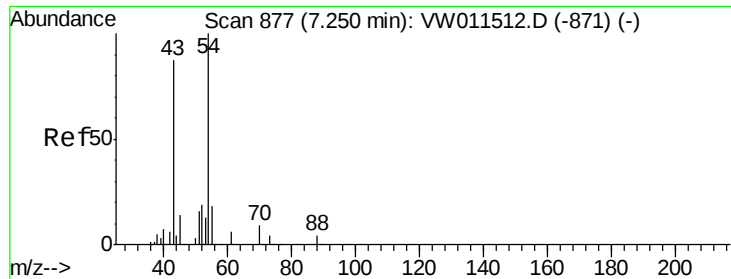


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

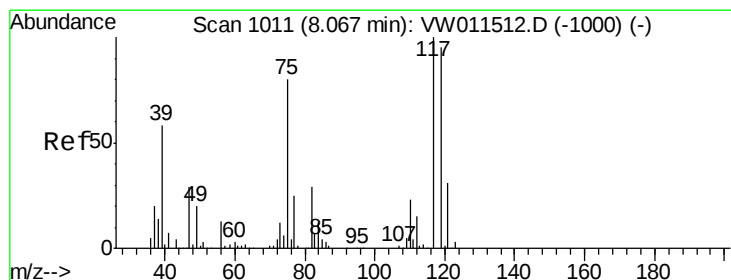
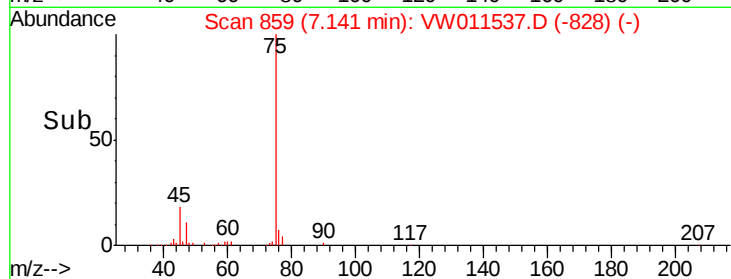
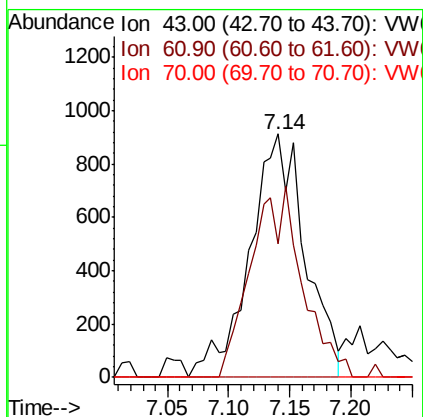
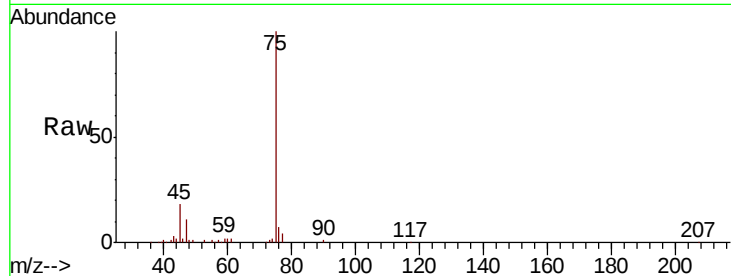




#37
Ethyl Acetate
Concen: 1.294 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.11 min
Lab File: VW011537.D
Acq: 27 Jul 2019 00:27

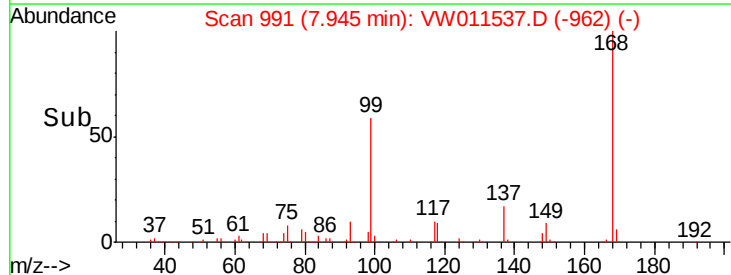
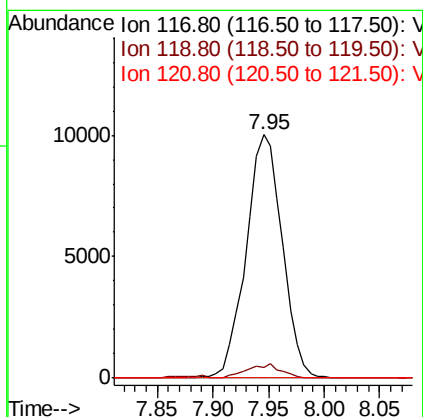
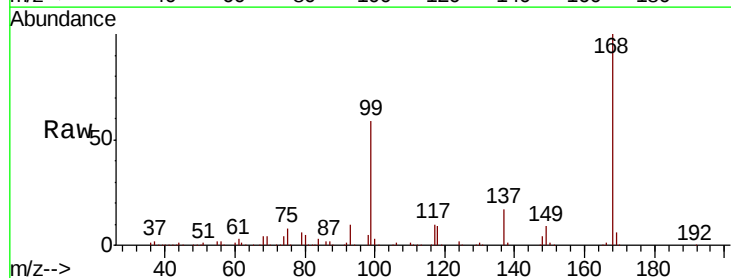
Instrument :
MSVOA_W
ClientSampleId :
TP-3-A

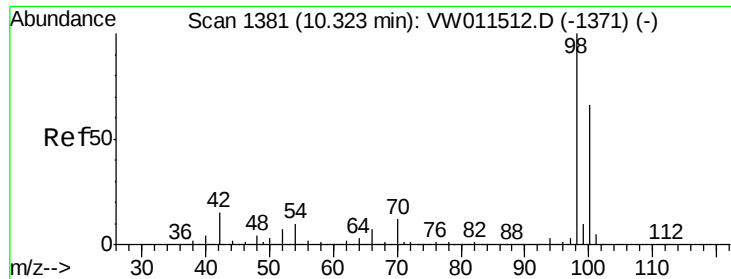
Tot Ion: 43 Resp: 2885
Ion Ratio Lower Upper
43 100
61 72.4 8.8 13.2#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.833 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011537.D
Acq: 27 Jul 2019 00:27

Tgt Ion: 117 Resp: 22670
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.6#
121 0.0 24.7 37.1#

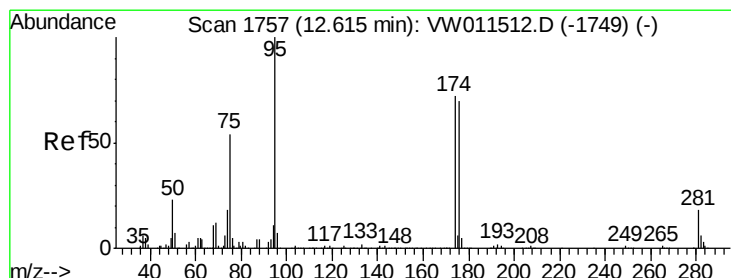
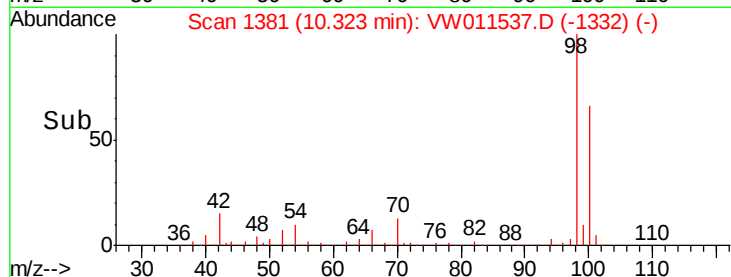
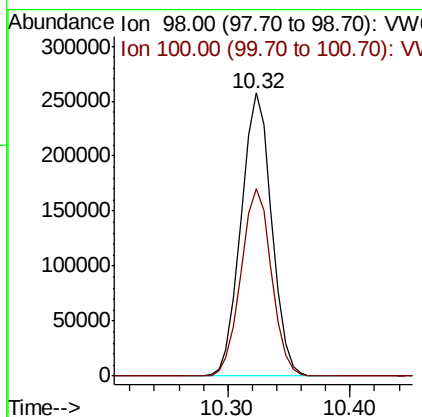
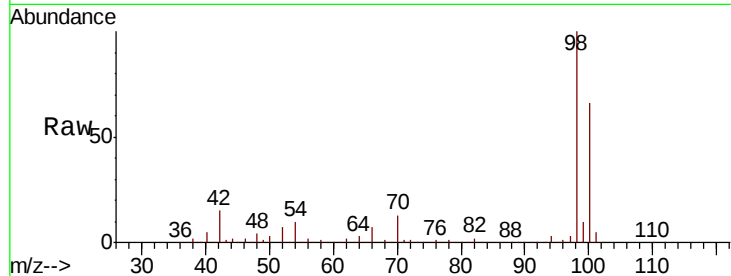




#50
Toluene-d8
Concen: 52.239 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011537.D
Acq: 27 Jul 2019 00:27

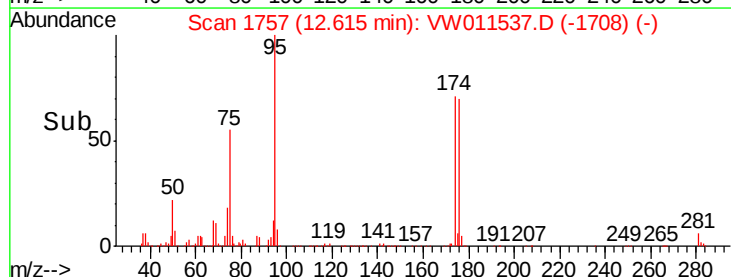
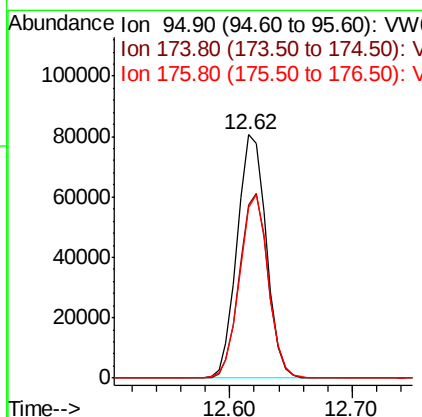
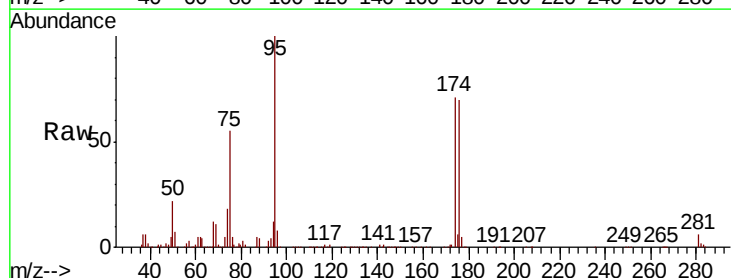
Instrument :
MSVOA_W
ClientSampled :
TP-3-A

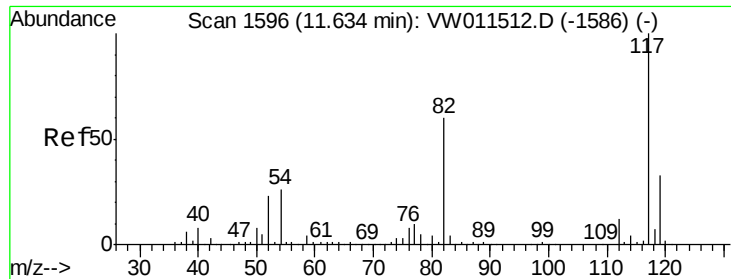
Tot Ion: 98 Resp: 447231
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 43.656 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011537.D
Acq: 27 Jul 2019 00:27

Tgt Ion: 95 Resp: 133251
Ion Ratio Lower Upper
95 100
174 74.4 0.0 150.2
176 73.9 0.0 144.4

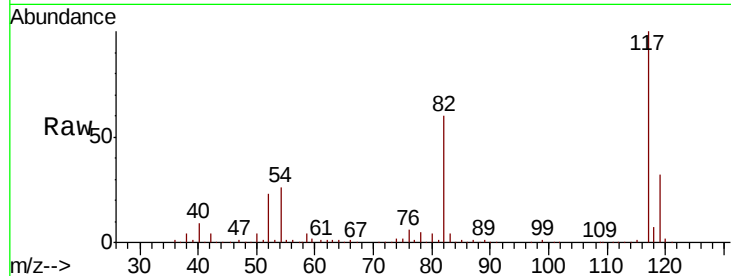




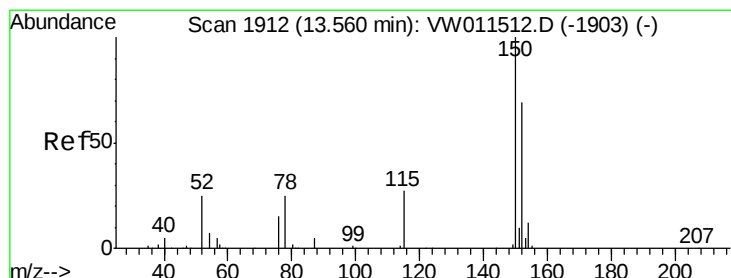
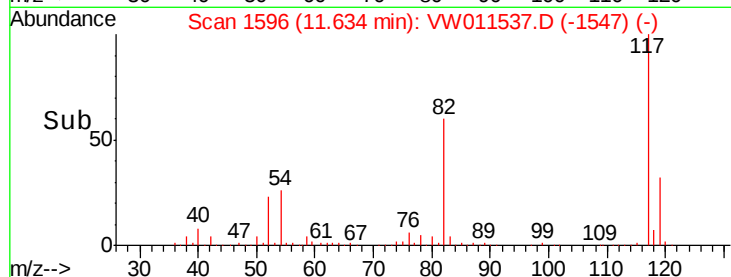
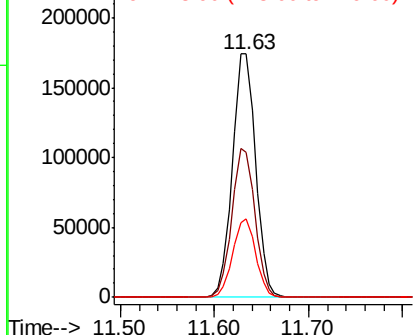
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011537.D
Acq: 27 Jul 2019 00:27

Instrument :
MSVOA_W
ClientSampleId :
TP-3-A

Tot Ion:117 Resp: 298940
Ion Ratio Lower Upper
117 100
82 59.7 47.9 71.9
119 32.1 26.2 39.2

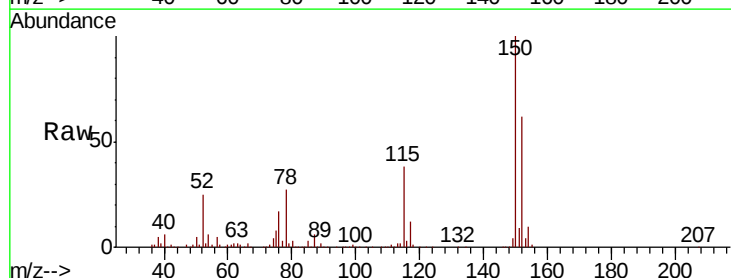


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

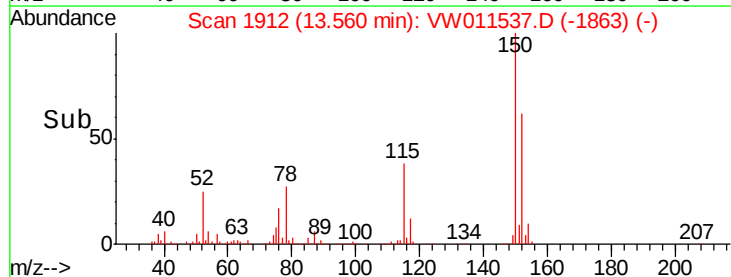
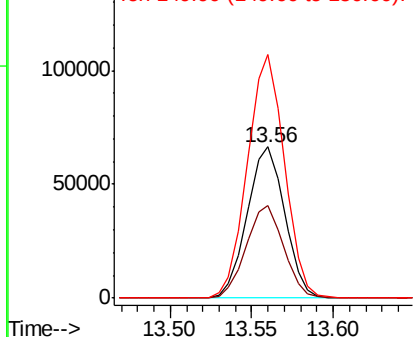


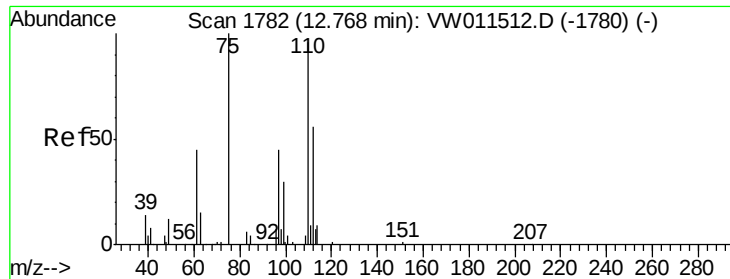
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011537.D
Acq: 27 Jul 2019 00:27

Tgt Ion:152 Resp: 107016
Ion Ratio Lower Upper
152 100
115 61.0 30.5 91.5
150 158.4 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

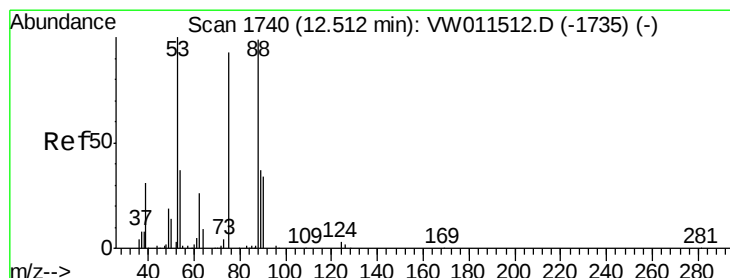
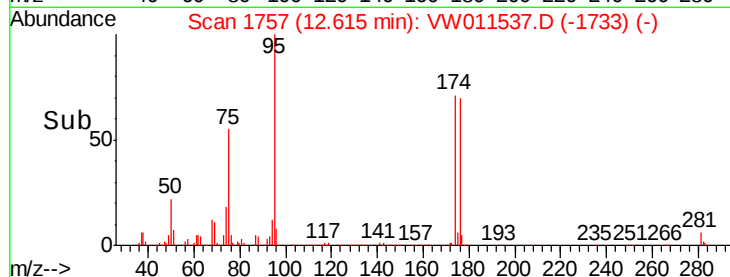
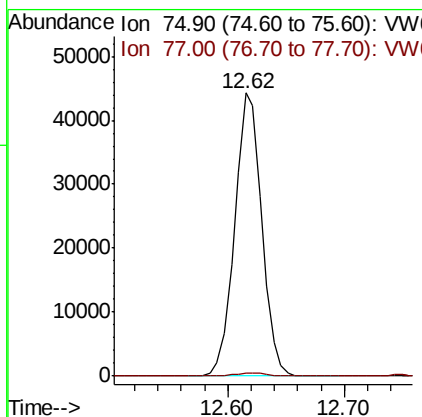
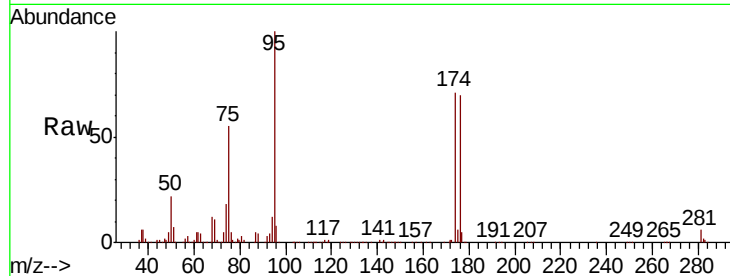




#76
 1,2,3-Trichloropropane
 Concen: 63.094 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011537.D
 Acq: 27 Jul 2019 00:27

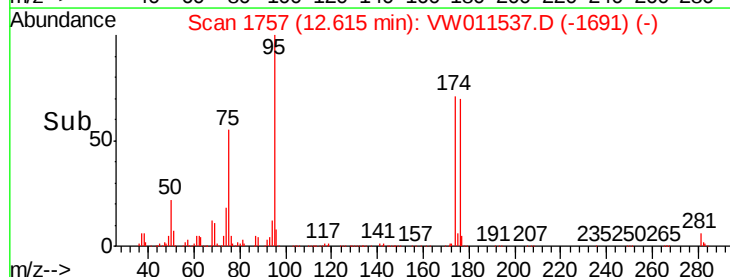
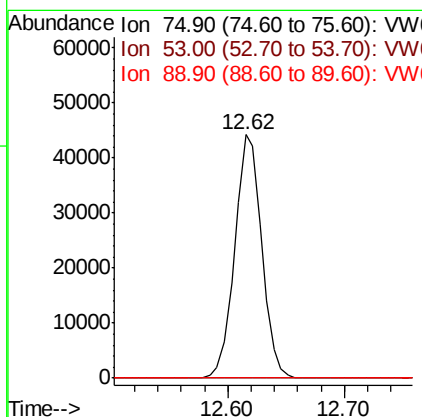
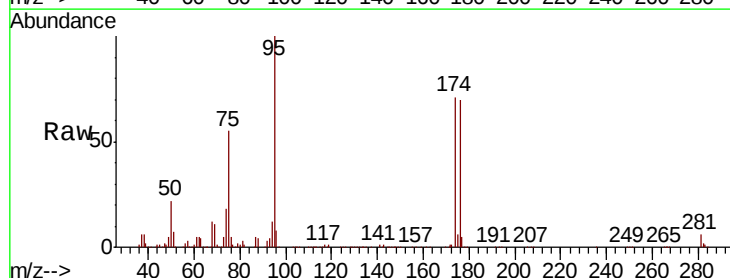
Instrument :
 MSVOA_W
 ClientSampleID :
 TP-3-A

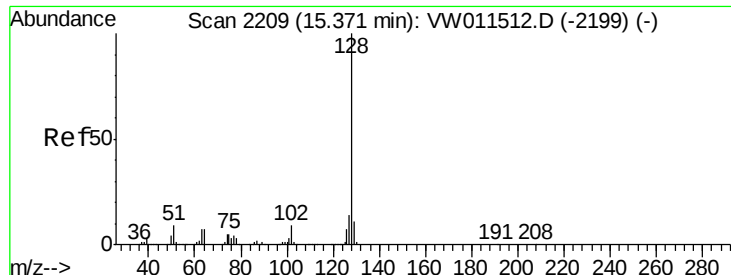
Tot Ion: 75 Resp: 71445
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.411 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011537.D
 Acq: 27 Jul 2019 00:27

Tgt Ion: 75 Resp: 71445
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.0 132.0#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.346 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW011537.D

Acq: 27 Jul 2019 00:27

Instrument :

MSVOA_W

ClientSampleId :

TP-3-A

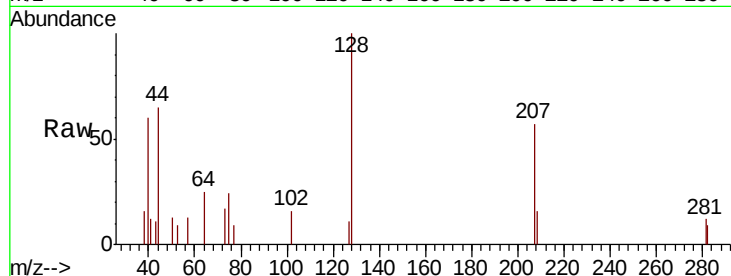
Tot Ion:128 Resp: 1232

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 9.5 8.6 13.0



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

