

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021419\
 Data File : VW008664.D
 Acq On : 14 Feb 2019 14:20
 Operator : SY/VA
 Sample : K1350-07RE
 Misc : 5.68G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-021319-B

Quant Time: Feb 15 02:48:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	400847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	606125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	522942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	249753	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	211948	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
35) Dibromofluoromethane	7.88	113	187421	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	10.32	98	716649	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.62	95	244007	44.65	ug/l	0.00
Spiked Amount			Recovery	=	89.30%	

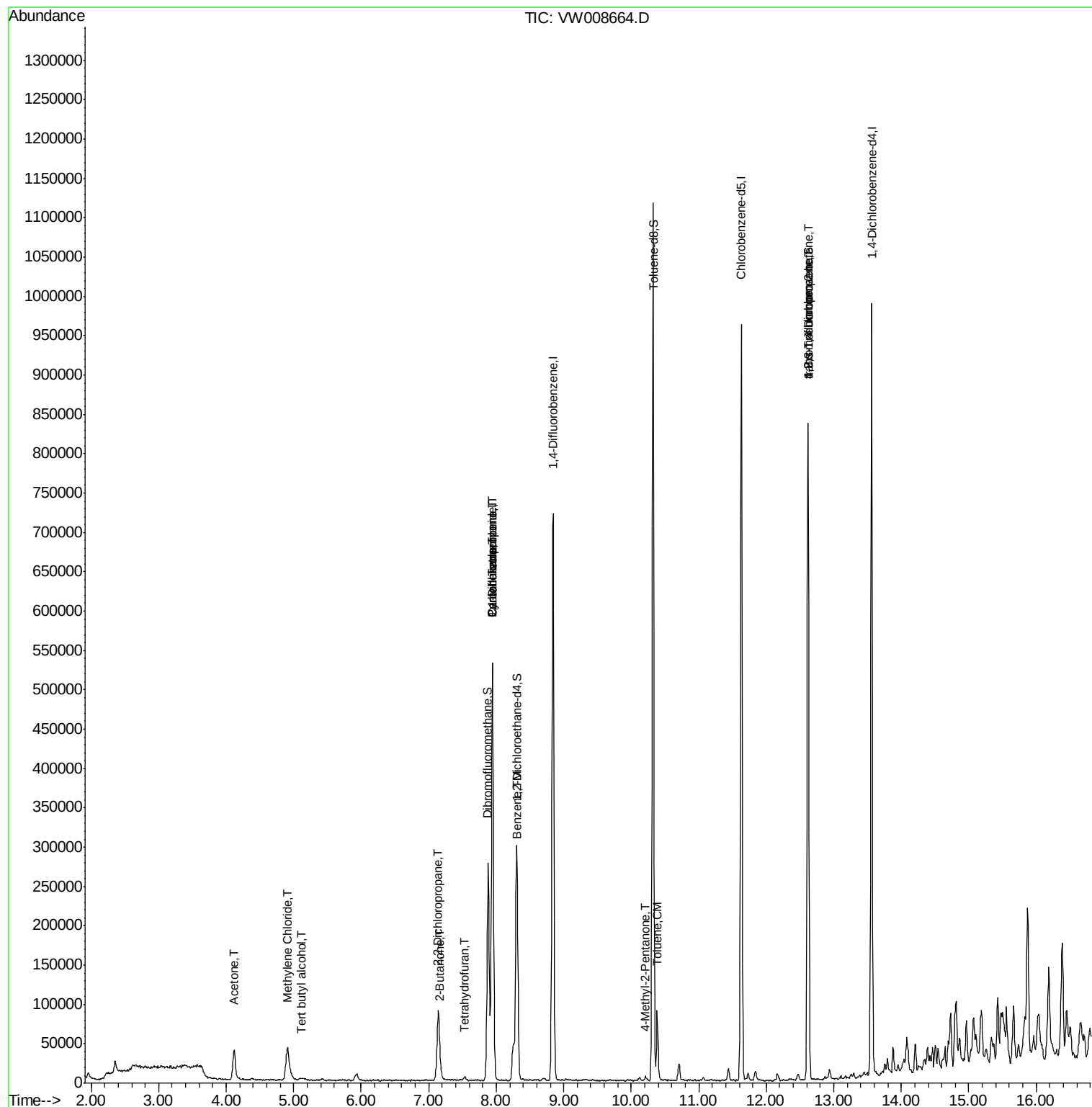
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1767	5.300	ug/l #	72
16) Acetone	4.12	43	64867	68.403	ug/l	98
20) Methylene Chloride	4.91	84	36365	1.717	ug/l	85
25) 2-Butanone	7.17	43	9407	7.025	ug/l	95
26) 2,2-Dichloropropane	7.14	77	6100	1.293	ug/l #	53
29) Tetrahydrofuran	7.54	42	2527	2.863	ug/l #	87
31) Cyclohexane	7.95	56	9408	1.234	ug/l #	17
36) 1,1-Dichloropropene	7.94	75	30116	4.945	ug/l #	50
38) Carbon Tetrachloride	7.95	117	37382	6.173	ug/l #	16
40) Benzene	8.32	78	19446	1.169	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	3940	1.309	ug/l	91
52) Toluene	10.38	92	35491	3.308	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	127927	51.872	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	127927	111.124	ug/l #	6

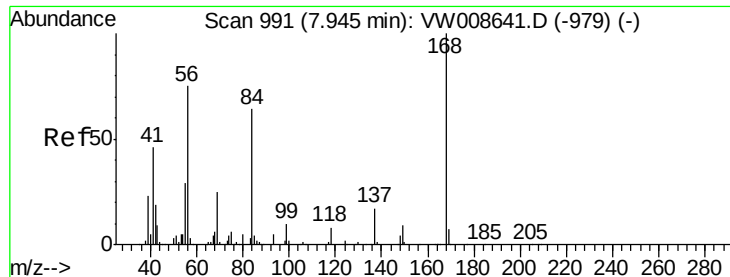
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008664.D

Acq: 14 Feb 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

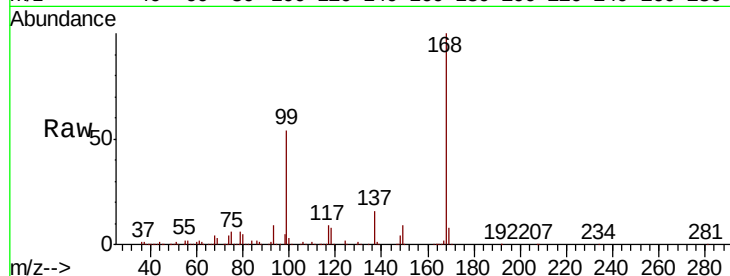
EO-02-021319-B

Tgt Ion:168 Resp: 400847

Ion Ratio Lower Upper

168 100

99 53.7 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

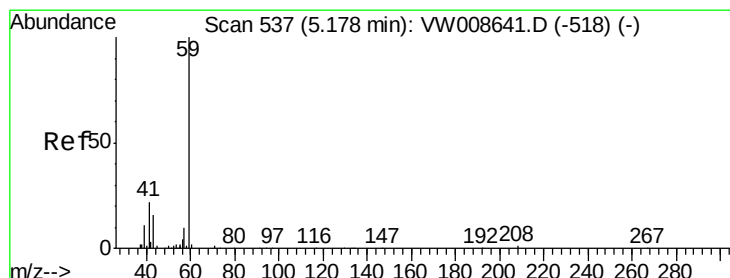
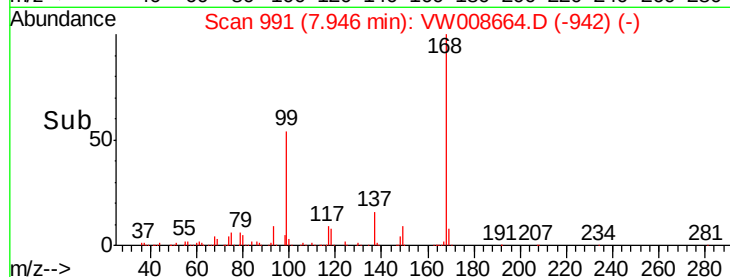
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 5.300 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.06 min

Lab File: VW008664.D

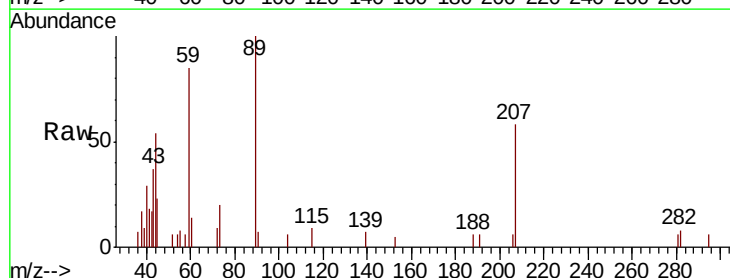
Acq: 14 Feb 2019 14:20

Tgt Ion: 59 Resp: 1767

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

1000

800

600

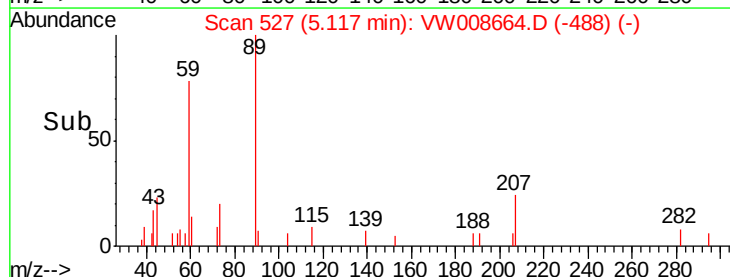
400

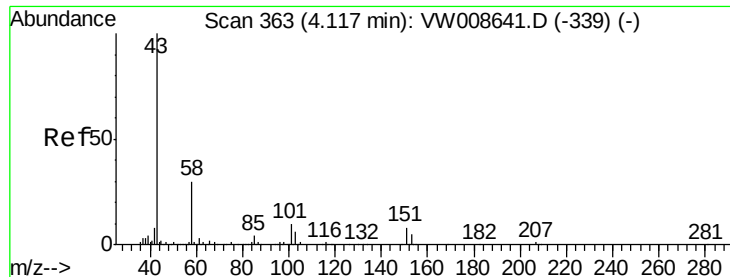
200

0

5.05 5.10

Time-->





#16

Acetone

Concen: 68.403 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008664.D

Acq: 14 Feb 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

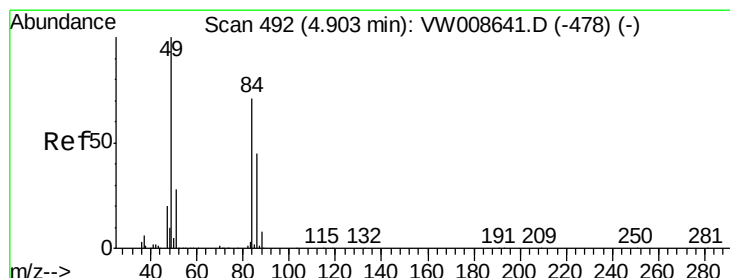
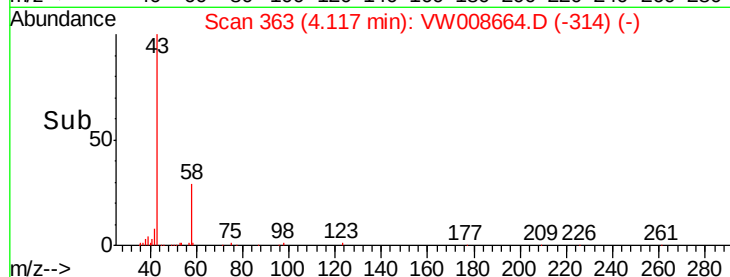
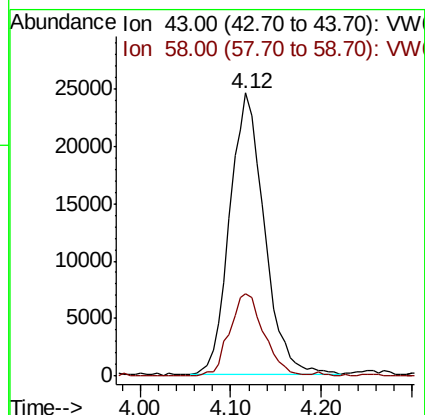
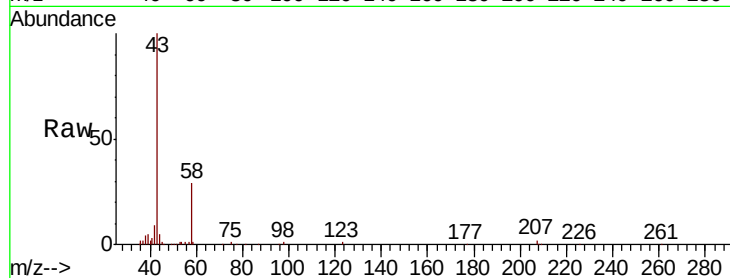
EO-02-021319-B

Tgt Ion: 43 Resp: 64867

Ion Ratio Lower Upper

43 100

58 29.1 24.1 36.1



#20

Methylene Chloride

Concen: 1.717 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW008664.D

Acq: 14 Feb 2019 14:20

Tgt Ion: 84 Resp: 36365

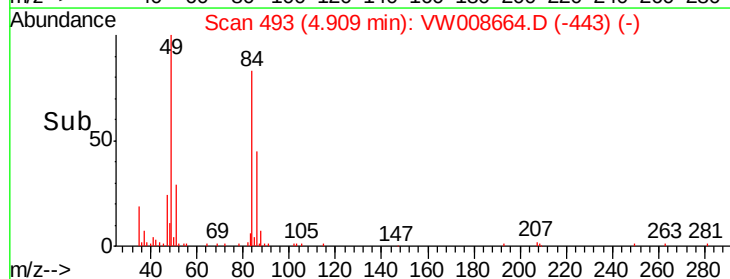
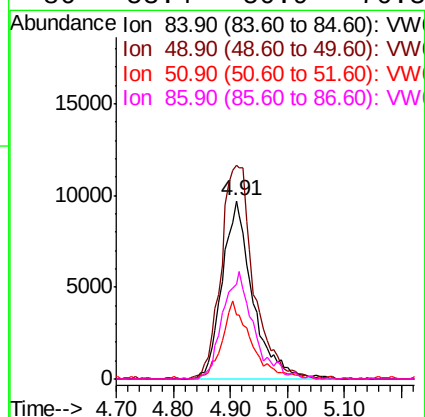
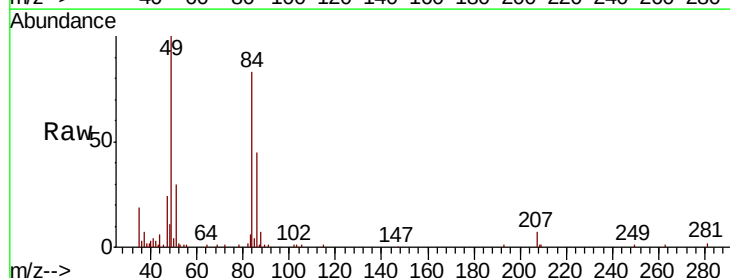
Ion Ratio Lower Upper

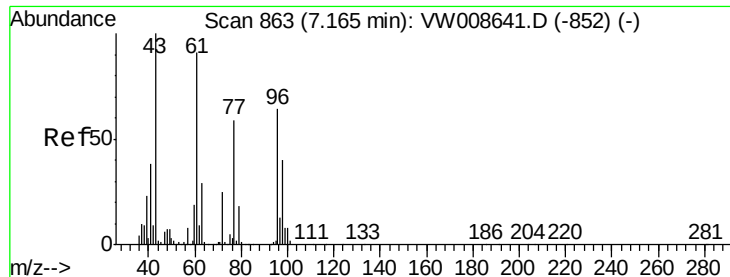
84 100

49 120.0 113.3 169.9

51 35.8 32.1 48.1

86 53.4 50.9 76.3





#25

2-Butanone

Concen: 7.025 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008664.D

Acq: 14 Feb 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

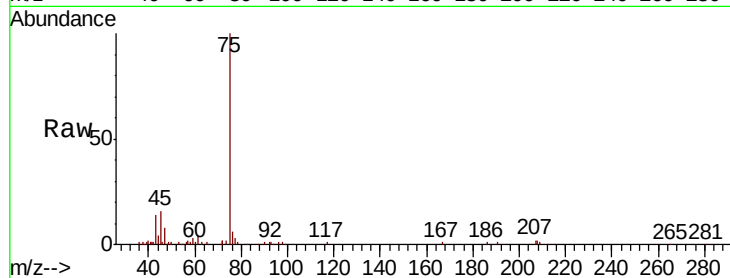
EO-02-021319-B

Tgt Ion: 43 Resp: 9407

Ion Ratio Lower Upper

43 100

72 26.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

2500

2000

1500

1000

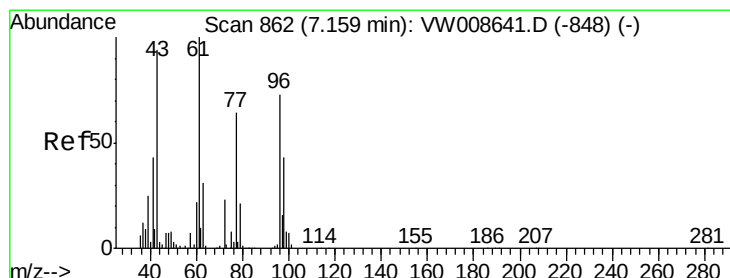
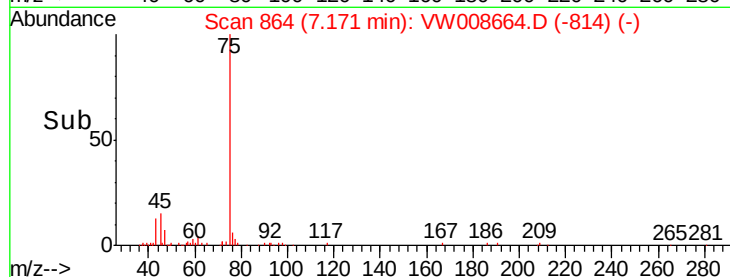
500

0

7.10 7.20

7.17

Time-->



#26

2,2-Dichloropropane

Concen: 1.293 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW008664.D

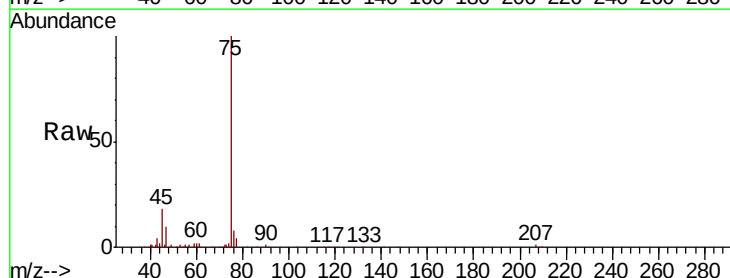
Acq: 14 Feb 2019 14:20

Tgt Ion: 77 Resp: 6100

Ion Ratio Lower Upper

77 100

97 0.3 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

2500

2000

1500

1000

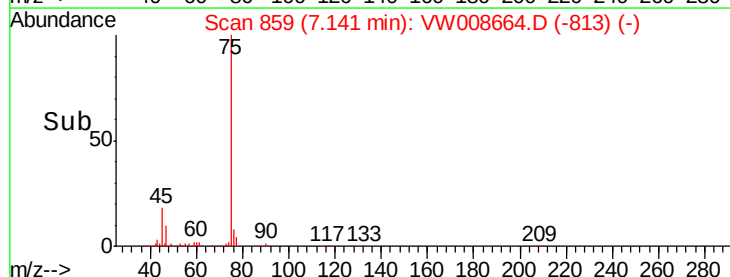
500

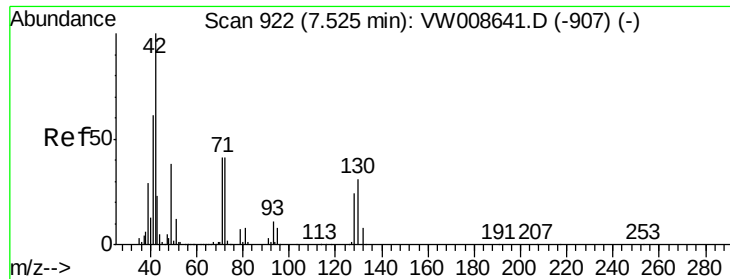
0

7.05 7.10 7.15 7.20

7.14

Time-->





#29

Tetrahydrofuran

Concen: 2.863 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008664.D

Acq: 14 Feb 2019 14:20

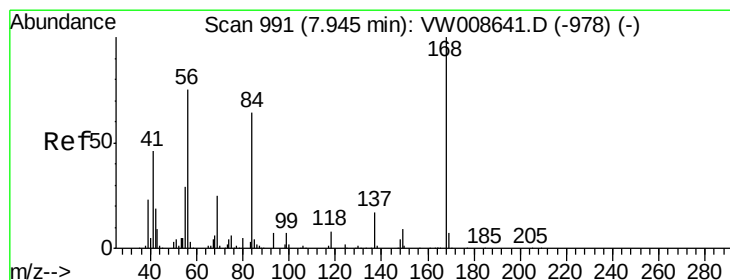
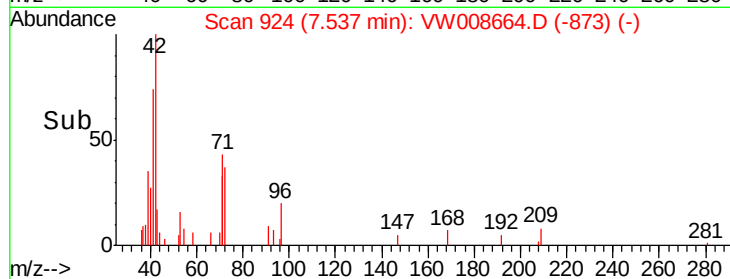
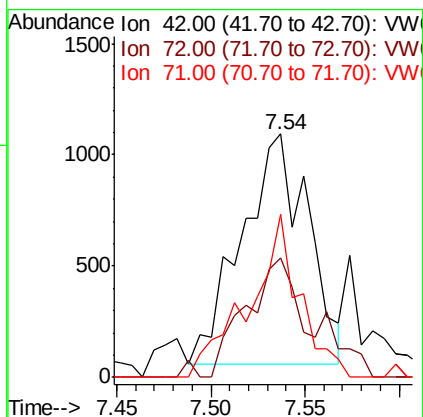
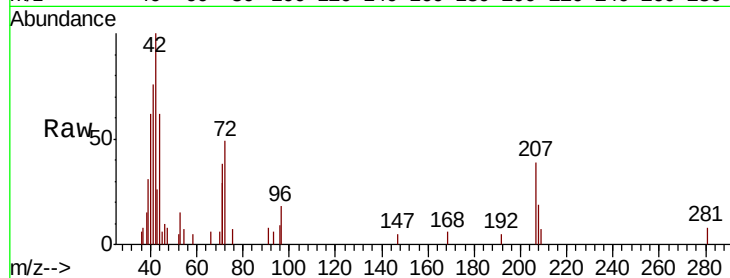
Instrument :

MSVOA_W

ClientSampleId :

EO-02-021319-B

Tgt Ion:	42	Resp:	2527
Ion	Ratio	Lower	Upper
42	100		
72	41.7	32.2	48.2
71	53.6	31.0	46.6#



#31

Cyclohexane

Concen: 1.234 ug/l

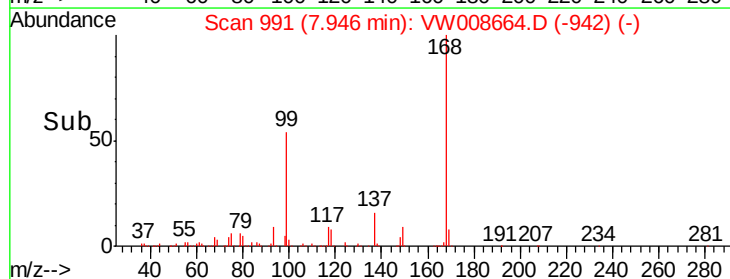
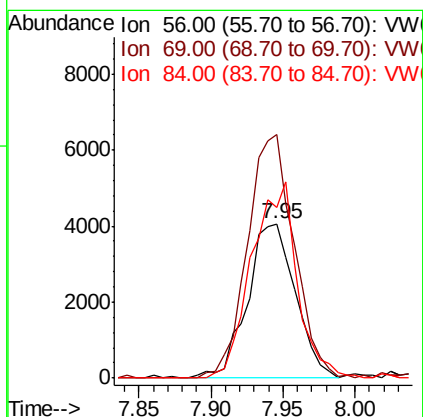
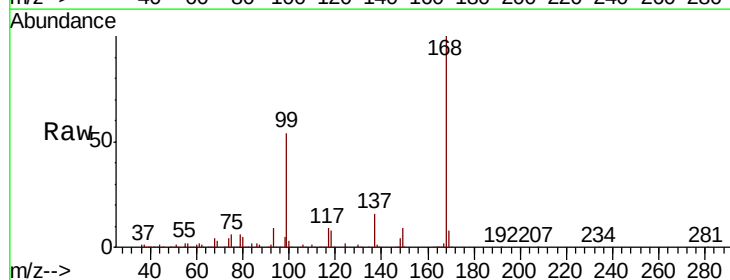
RT: 7.95 min Scan# 991

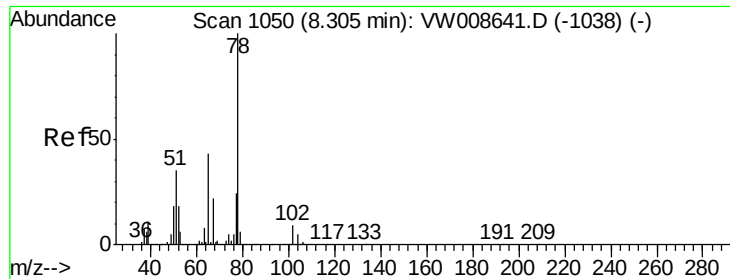
Delta R.T. 0.00 min

Lab File: VW008664.D

Acq: 14 Feb 2019 14:20

Tgt Ion:	56	Resp:	9408
Ion	Ratio	Lower	Upper
56	100		
69	158.1	26.4	39.6#
84	110.8	67.4	101.2#

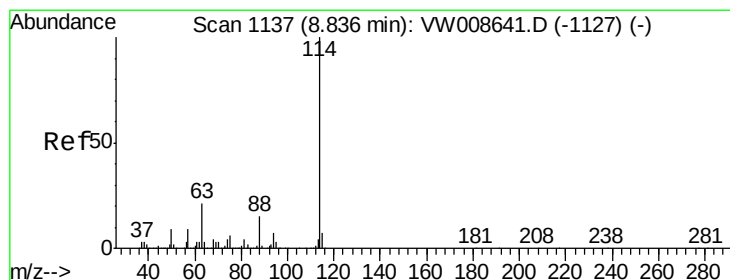
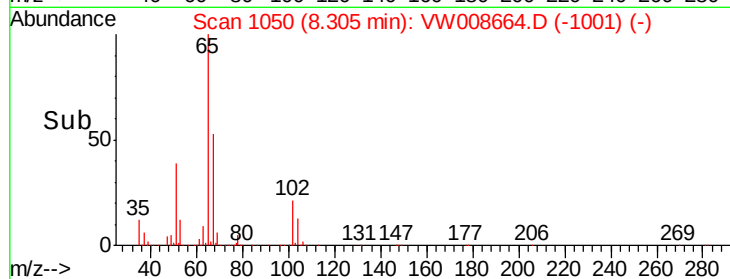
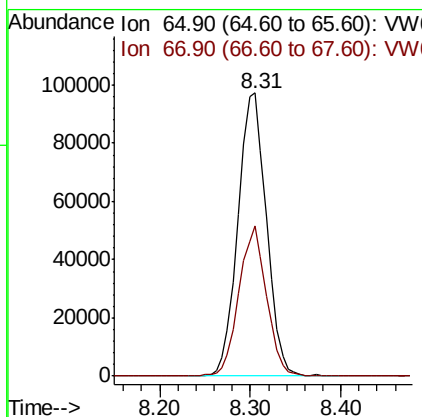
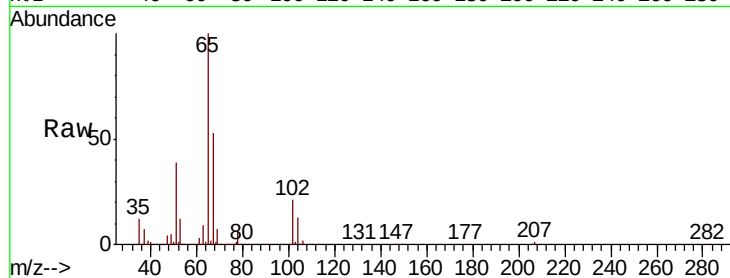




#33
 1,2-Dichloroethane-d4
 Concen: 50.859 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008664.D
 Acq: 14 Feb 2019 14:20

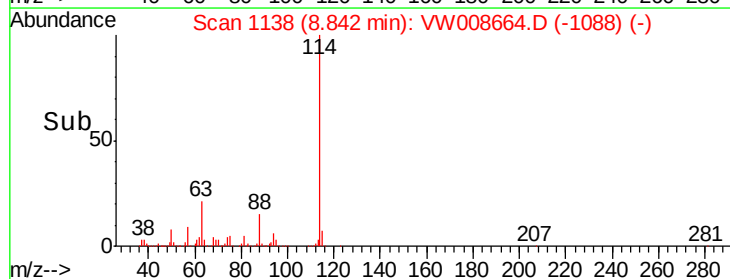
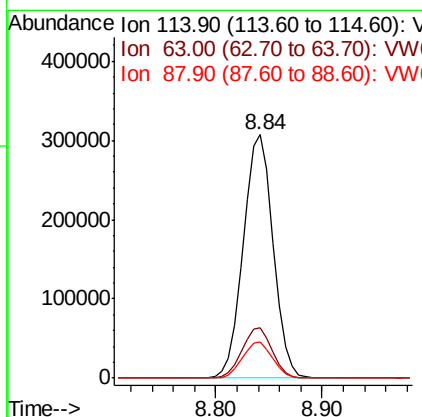
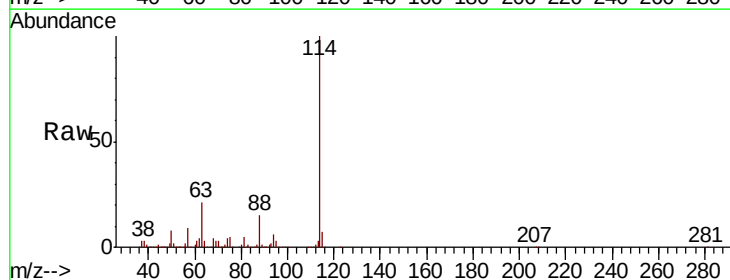
Instrument :
 MSVOA_W
 ClientSampled :
 EO-02-021319-B

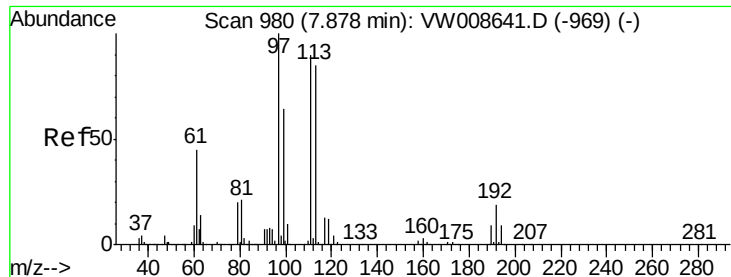
Tgt Ion: 65 Resp: 211948
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008664.D
 Acq: 14 Feb 2019 14:20

Tgt Ion: 114 Resp: 606125
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.2
 88 15.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.798 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW008664.D

Acq: 14 Feb 2019 14:20

Instrument :

MSVOA_W

ClientSampled :

EO-02-021319-B

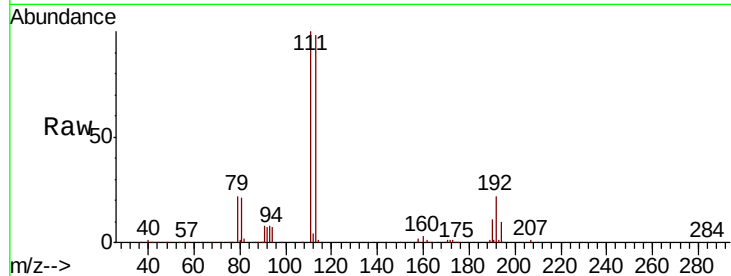
Tgt Ion:113 Resp: 187421

Ion Ratio Lower Upper

113 100

111 101.5 84.0 126.0

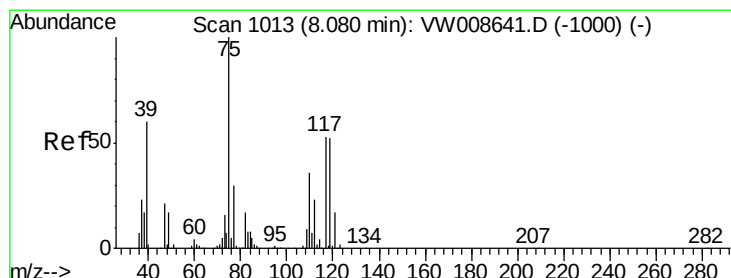
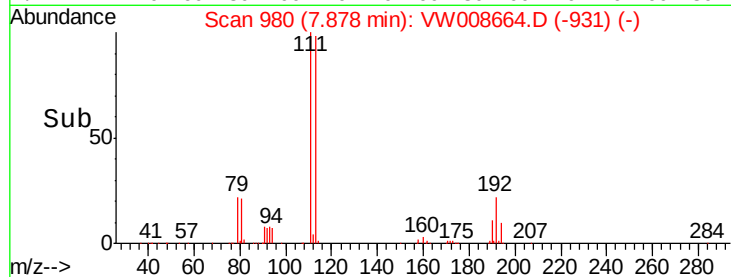
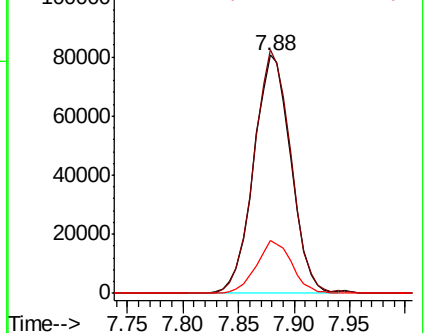
192 21.2 17.4 26.2



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: 4.945 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW008664.D

Acq: 14 Feb 2019 14:20

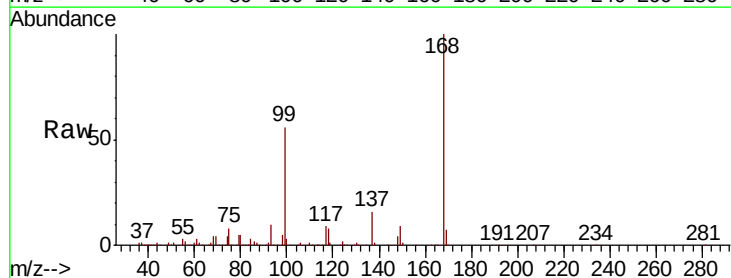
Tgt Ion: 75 Resp: 30116

Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.3#

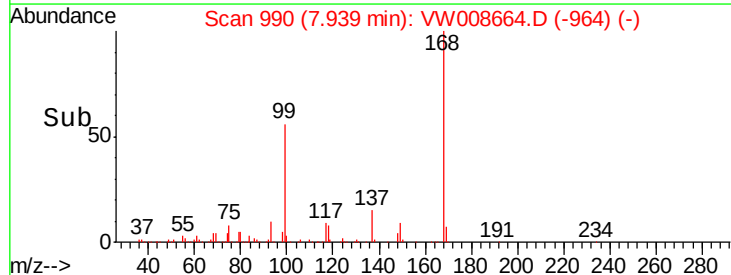
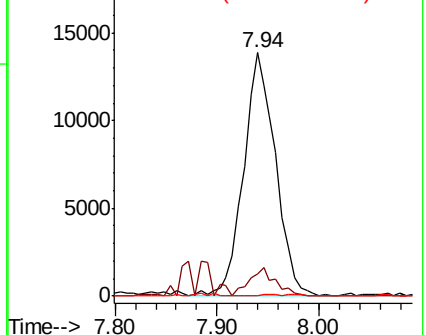
77 0.0 24.7 37.1#

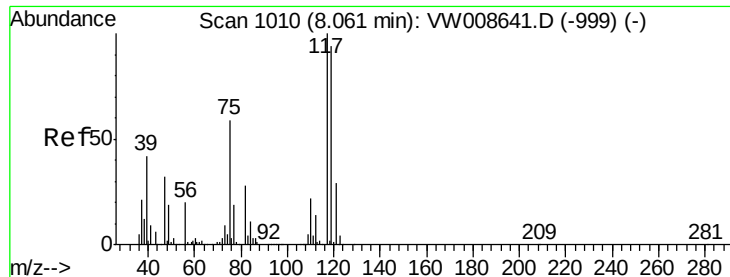


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

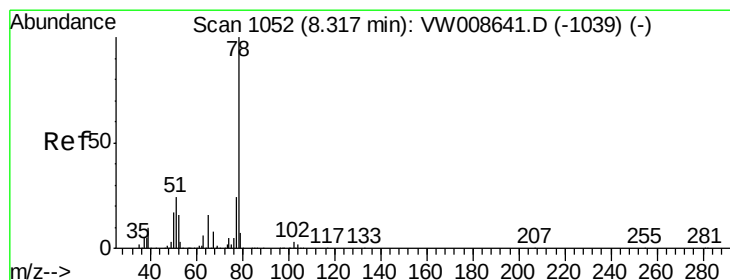
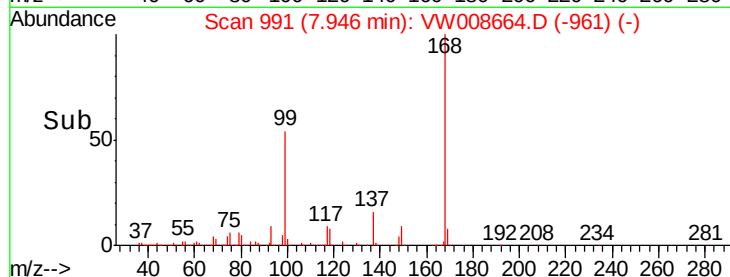
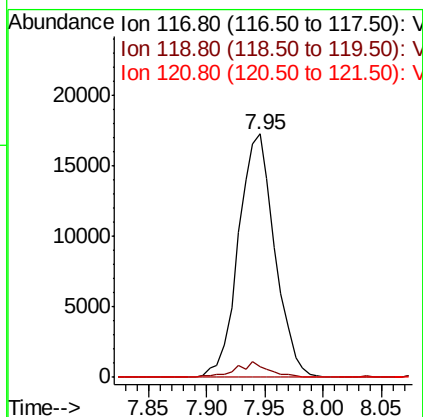
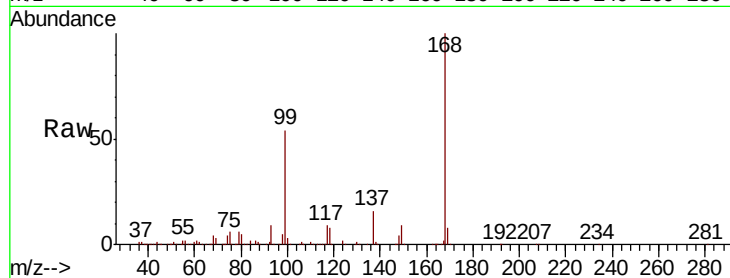




#38
Carbon Tetrachloride
Concen: 6.173 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008664.D
Acq: 14 Feb 2019 14:20

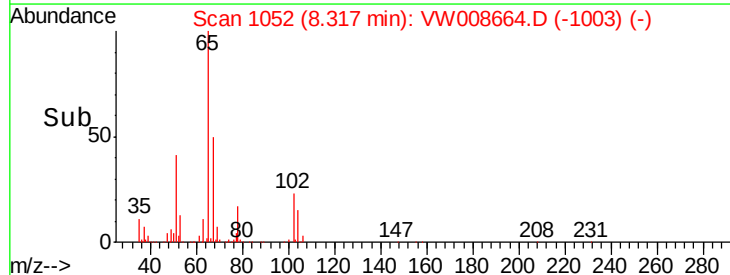
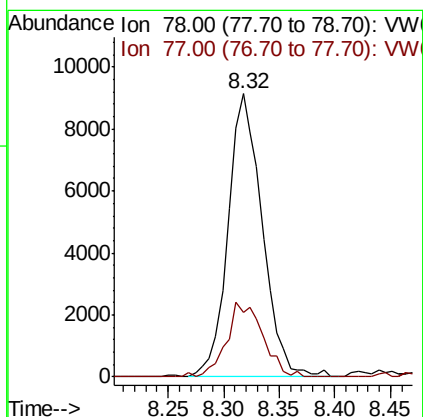
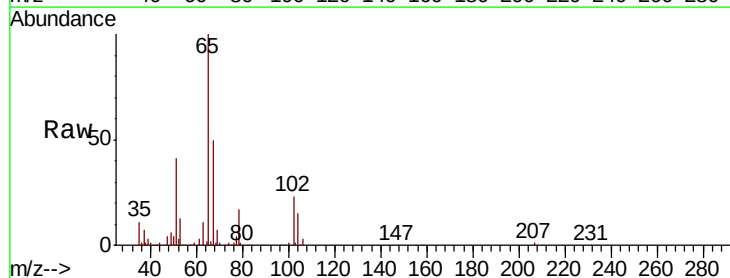
Instrument :
MSVOA_W
ClientSampleId :
EO-02-021319-B

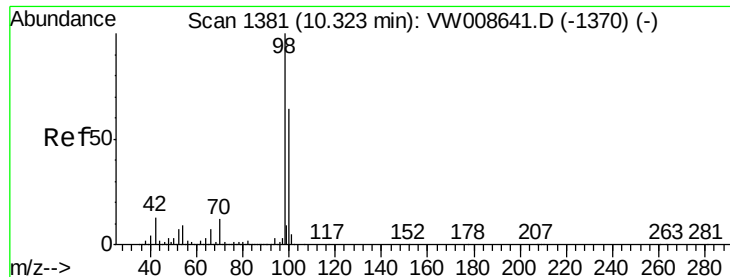
Tgt Ion: 117 Resp: 37382
Ion Ratio Lower Upper
117 100
119 4.5 75.1 112.7#
121 0.0 23.5 35.3#



#40
Benzene
Concen: 1.169 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008664.D
Acq: 14 Feb 2019 14:20

Tgt Ion: 78 Resp: 19446
Ion Ratio Lower Upper
78 100
77 22.8 19.5 29.3





#50

Toluene-d8

Concen: 49.395 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008664.D

Acq: 14 Feb 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

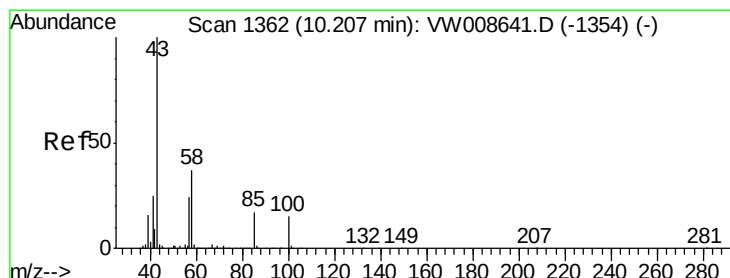
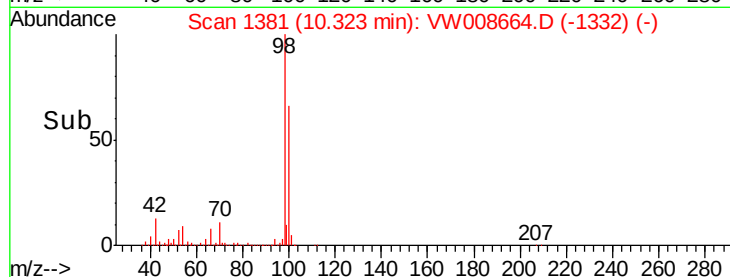
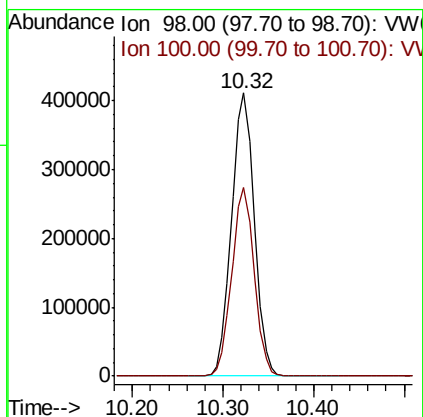
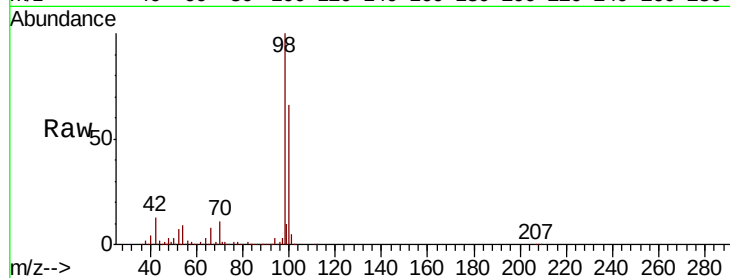
EO-02-021319-B

Tgt Ion: 98 Resp: 716649

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.309 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008664.D

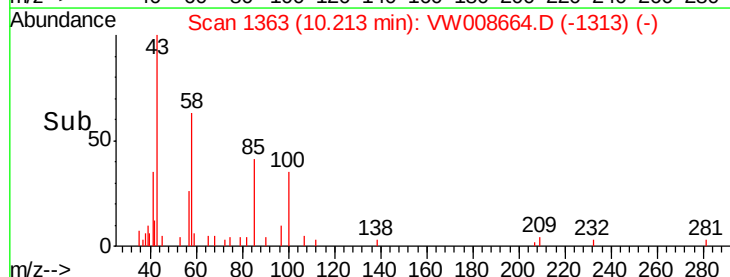
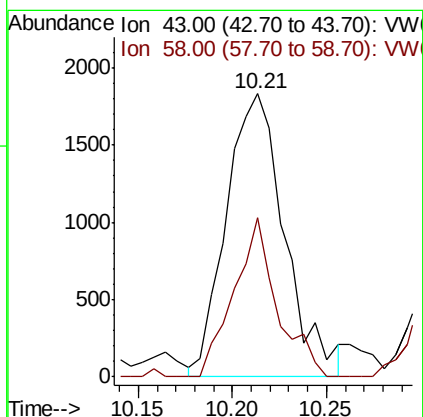
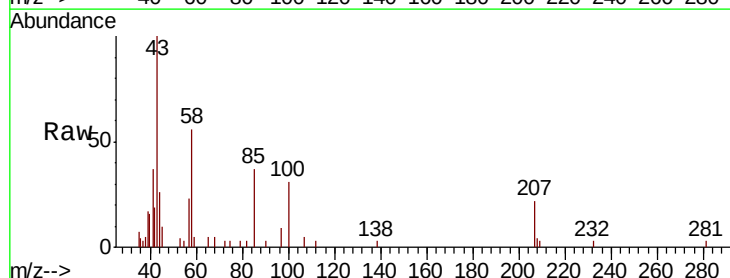
Acq: 14 Feb 2019 14:20

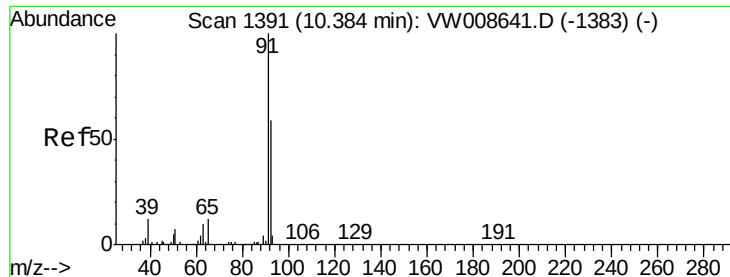
Tgt Ion: 43 Resp: 3940

Ion Ratio Lower Upper

43 100

58 41.5 29.0 43.6





#52

Toluene

Concen: 3.308 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008664.D

Acq: 14 Feb 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

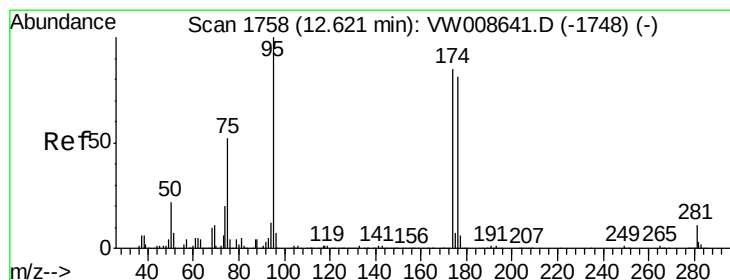
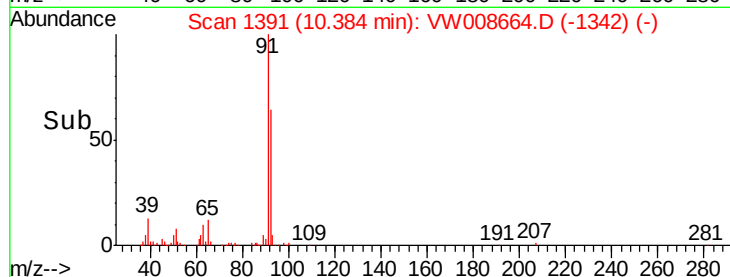
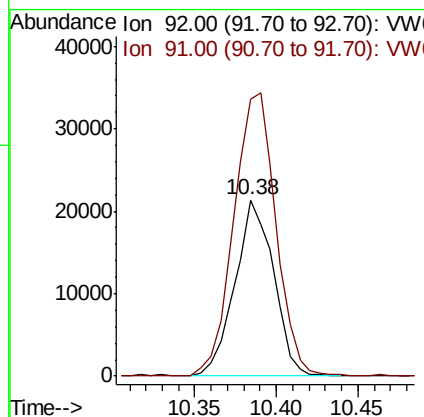
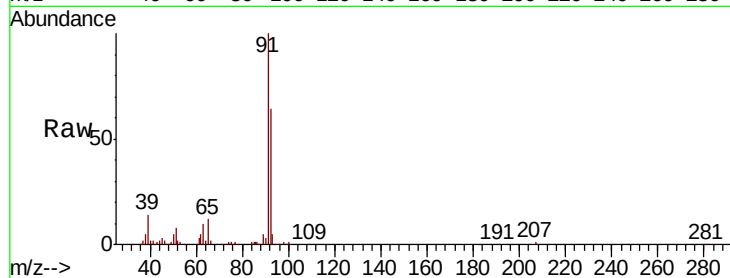
EO-02-021319-B

Tgt Ion: 92 Resp: 35491

Ion Ratio Lower Upper

92 100

91 174.2 135.8 203.6



#62

4-Bromofluorobenzene

Concen: 44.650 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008664.D

Acq: 14 Feb 2019 14:20

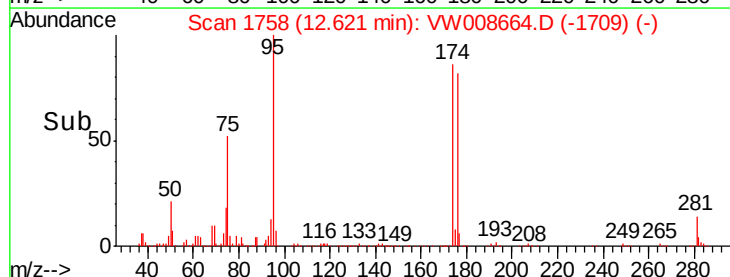
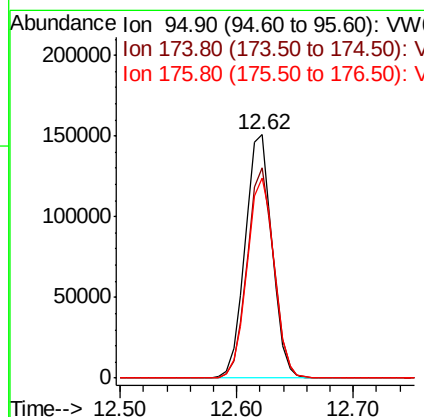
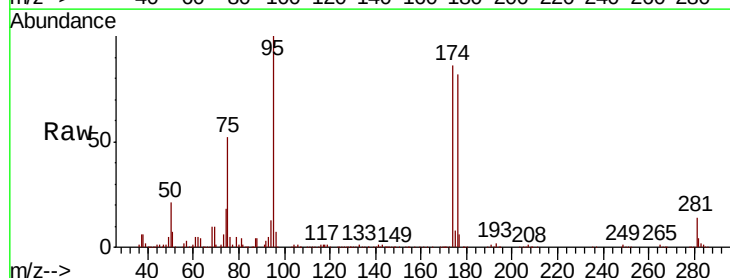
Tgt Ion: 95 Resp: 244007

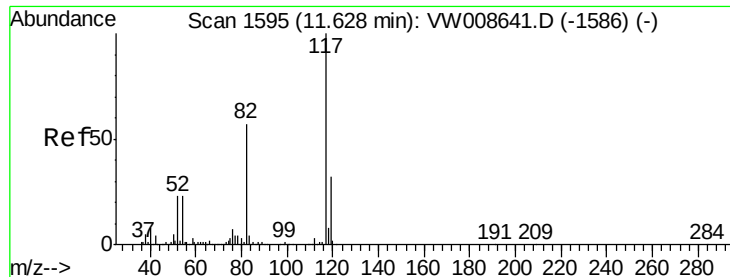
Ion Ratio Lower Upper

95 100

174 85.3 0.0 163.2

176 83.3 0.0 158.0

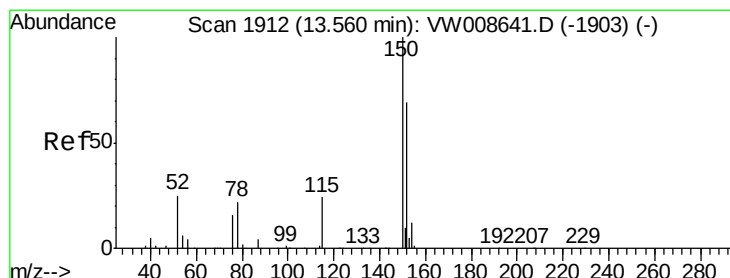
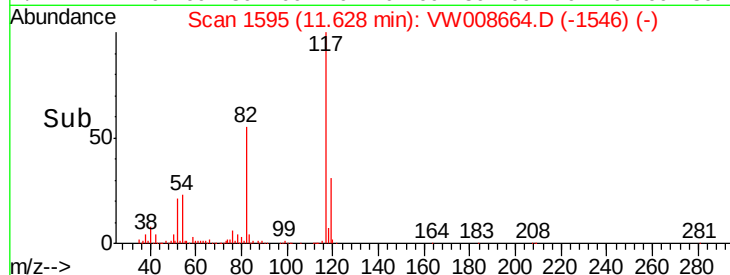
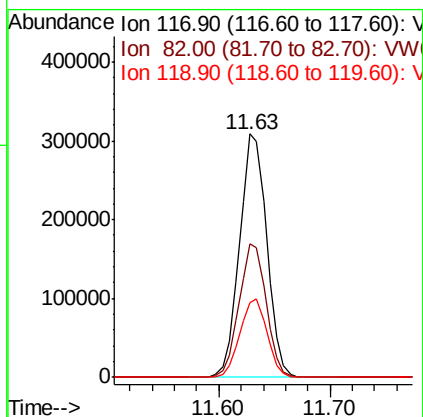
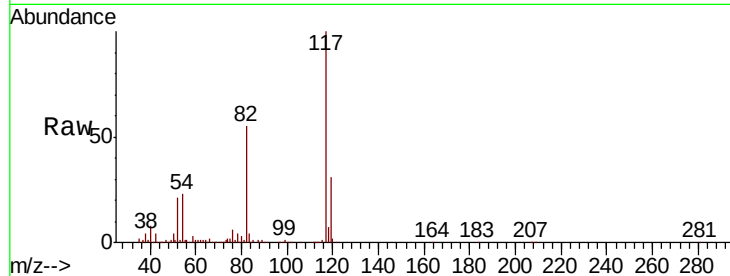




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW008664.D
Acq: 14 Feb 2019 14:20

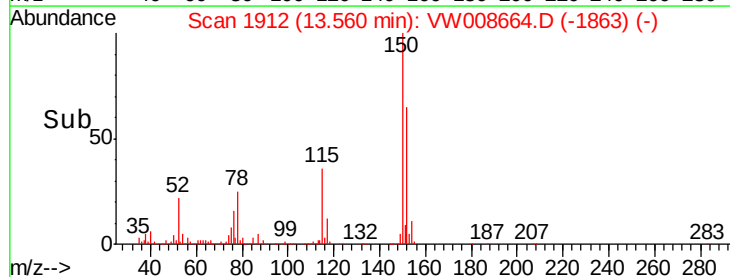
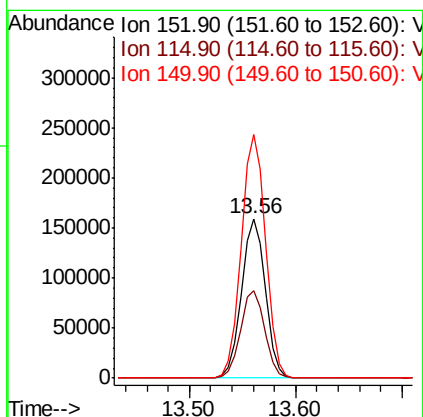
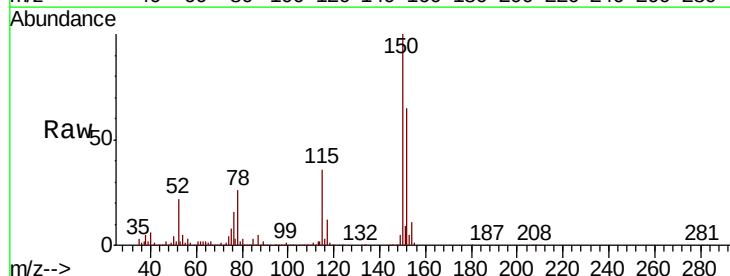
Instrument :
MSVOA_W
ClientSampleId :
EO-02-021319-B

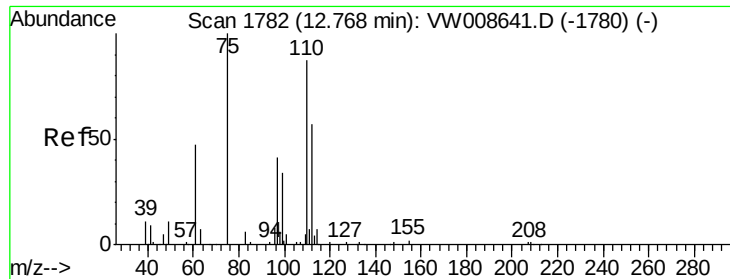
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.6	68.4
119	30.5	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008664.D
Acq: 14 Feb 2019 14:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	29.3	87.8
150	155.9	0.0	352.8





#76

1,2,3-Trichloropropane

Concen: 51.872 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008664.D

Acq: 14 Feb 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

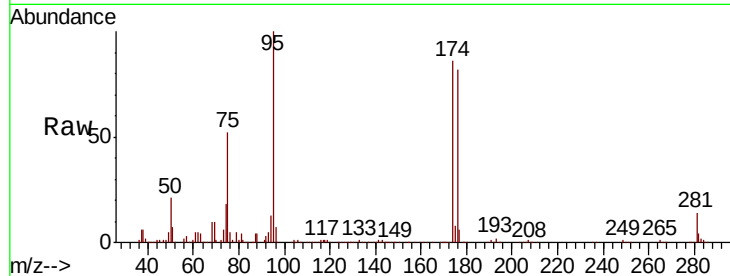
EO-02-021319-B

Tgt Ion: 75 Resp: 127927

Ion Ratio Lower Upper

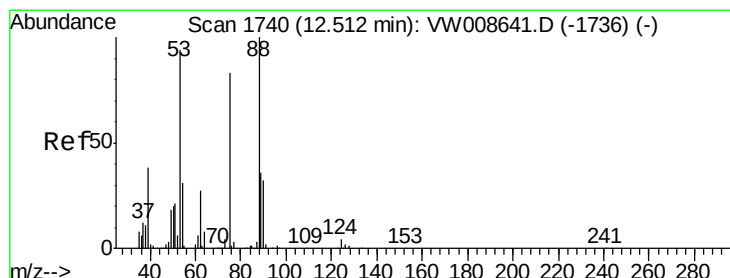
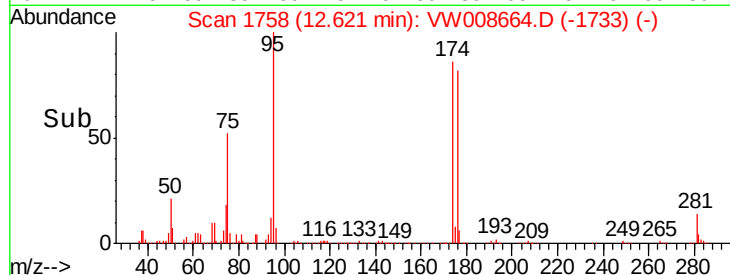
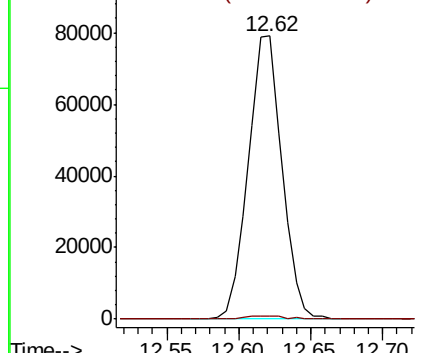
75 100

77 1.3 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: 111.124 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008664.D

Acq: 14 Feb 2019 14:20

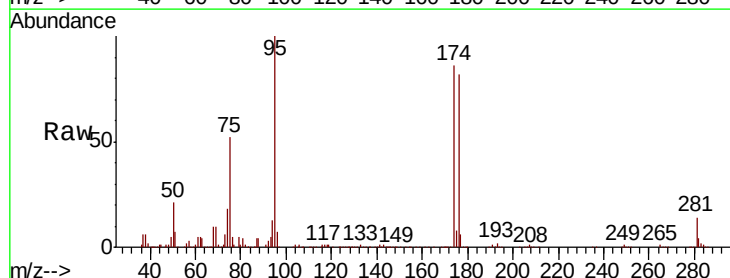
Tgt Ion: 75 Resp: 127927

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

