

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008581.D
 Acq On : 08 Feb 2019 18:22
 Operator : SY/VA
 Sample : K1348-01
 Misc : 5.92G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-020719

Quant Time: Feb 09 00:28:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	466651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	758707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	697355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	350091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	261374	57.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.02%	
35) Dibromofluoromethane	7.88	113	234154	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
50) Toluene-d8	10.32	98	914948	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.62	95	344628	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

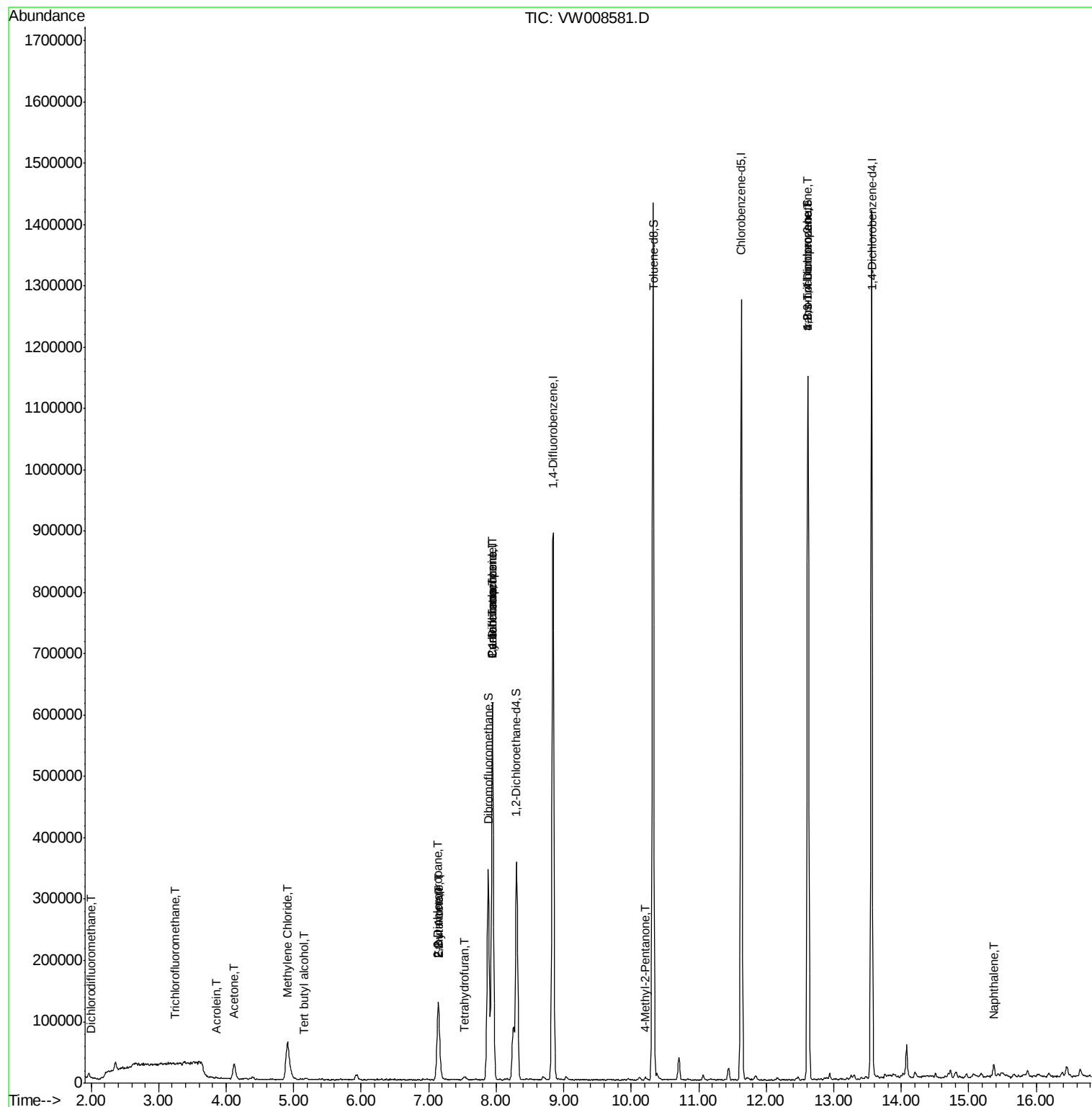
						Qvalue
2) Dichlorodifluoromethane	2.01	85	130	3.297	ug/l #	41
7) Trichlorofluoromethane	3.25	101	808	4.898	ug/l	89
11) Tert butyl alcohol	5.15	59	507	1.374	ug/l #	11
13) Acrolein	3.86	56	327	5.173	ug/l #	1
16) Acetone	4.12	43	45733	44.423	ug/l	96
20) Methylene Chloride	4.90	84	53902	11.360	ug/l	96
25) 2-Butanone	7.14	43	11336	7.928	ug/l #	78
26) 2,2-Dichloropropane	7.13	77	9070	1.542	ug/l #	55
29) Tetrahydrofuran	7.53	42	4553	5.024	ug/l #	85
31) Cyclohexane	7.95	56	11306	1.257	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	36288	5.063	ug/l #	51
37) Ethyl Acetate	7.14	43	11336	3.575	ug/l #	32
38) Carbon Tetrachloride	7.95	117	42980	5.960	ug/l #	15
51) 4-Methyl-2-Pentanone	10.21	43	3429	1.054	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	180734	59.378	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	180734	117.276	ug/l #	12
95) Naphthalene	15.37	128	16520	1.294	ug/l #	90

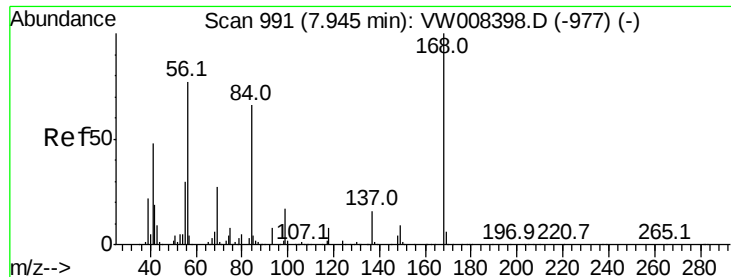
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020819\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 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: VW008581.D

Acq: 08 Feb 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

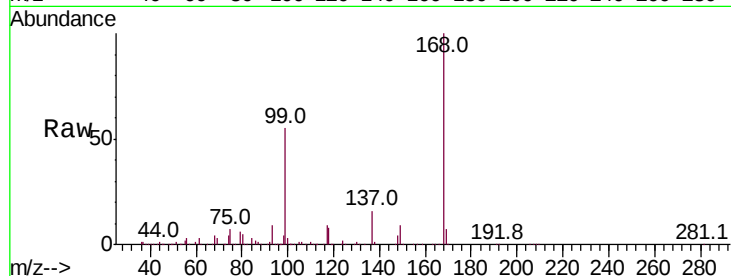
OK-01-020719

Tot Ion:168 Resp: 466651

Ion Ratio Lower Upper

168 100

99 54.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

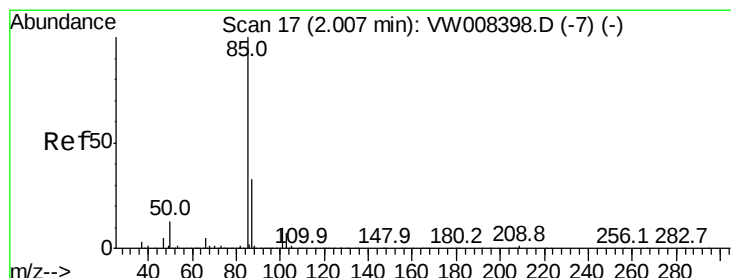
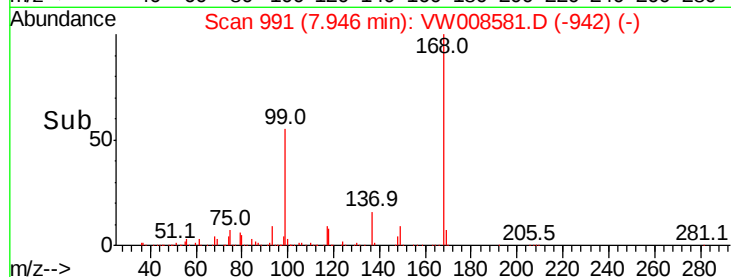
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.297 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008581.D

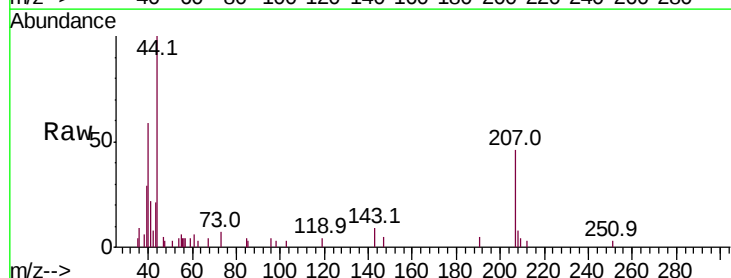
Acq: 08 Feb 2019 18:22

Tgt Ion: 85 Resp: 130

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

200

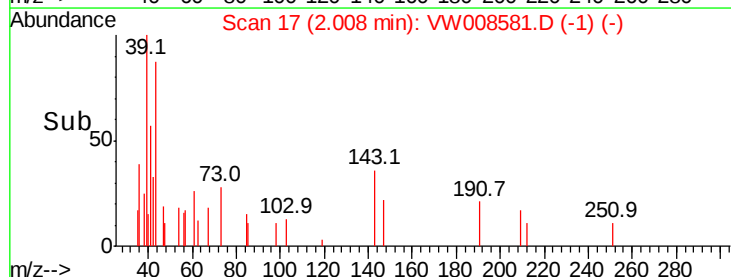
150

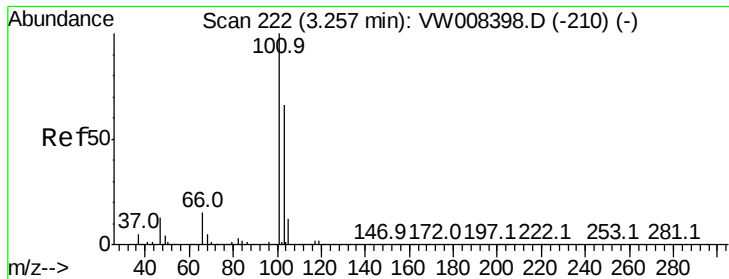
100

50

0

Time-->



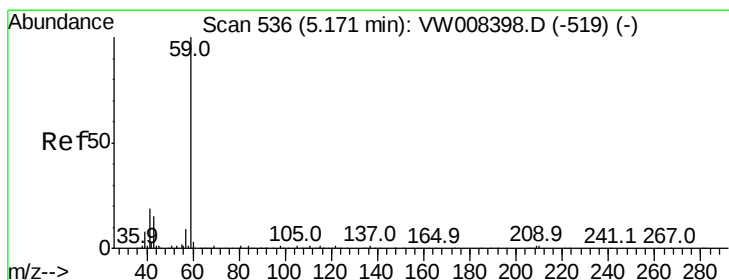
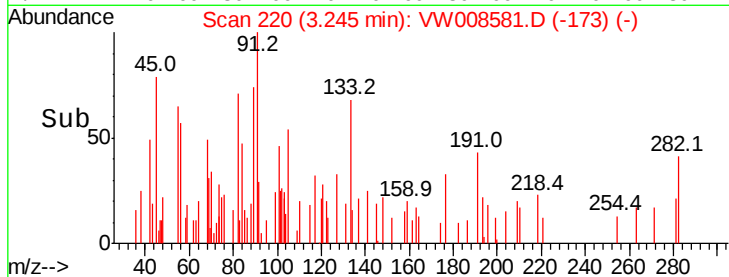
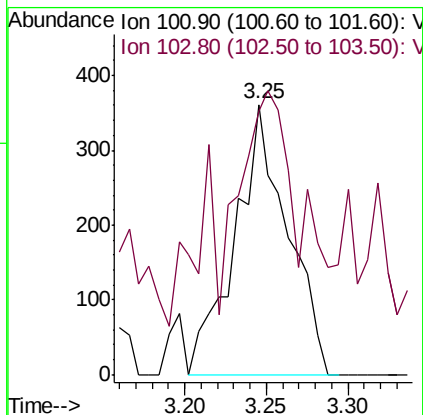
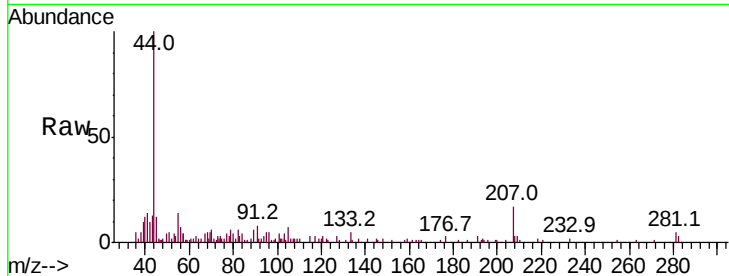


#7

Trichlorofluoromethane
Concen: 4.898 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008581.D
Acq: 08 Feb 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
OK-01-020719

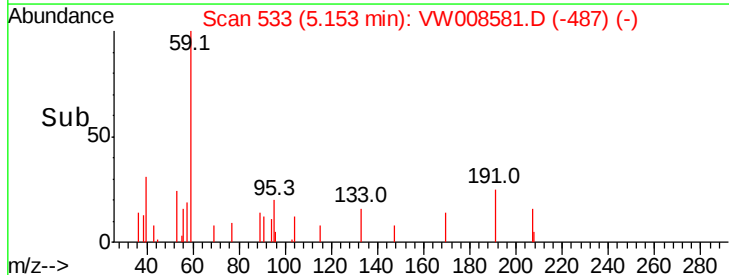
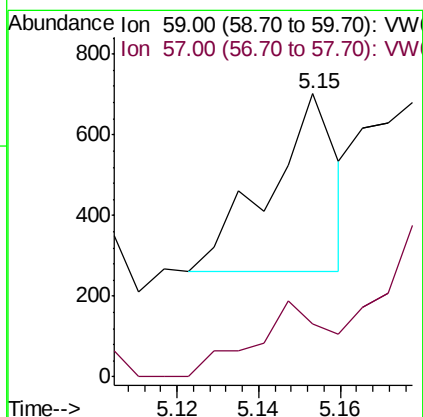
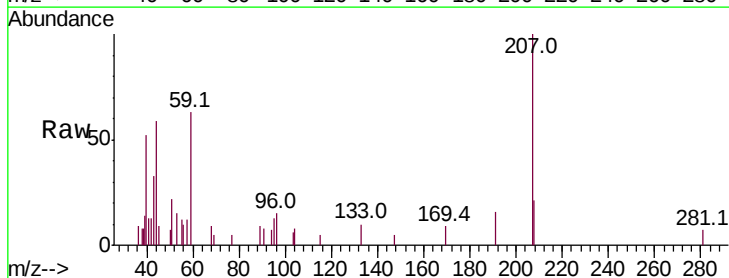
Tot Ion:101 Resp: 808
Ion Ratio Lower Upper
101 100
103 57.1 52.5 78.7

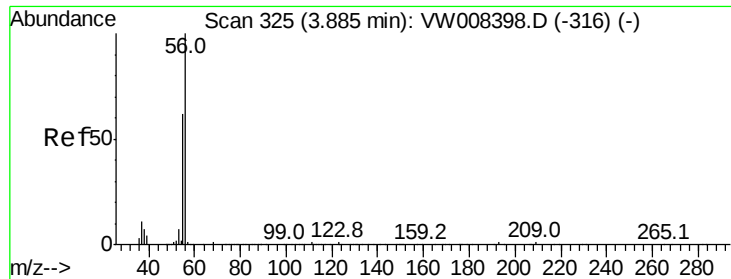


#11

Tert butyl alcohol
Concen: 1.374 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW008581.D
Acq: 08 Feb 2019 18:22

Tgt Ion: 59 Resp: 507
Ion Ratio Lower Upper
59 100
57 46.0 9.3 13.9#

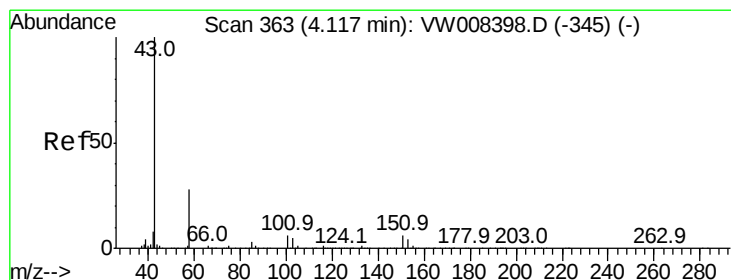
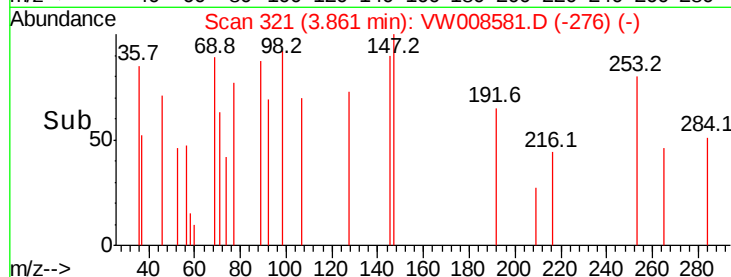
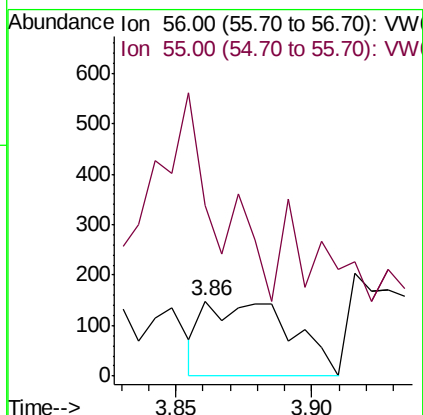
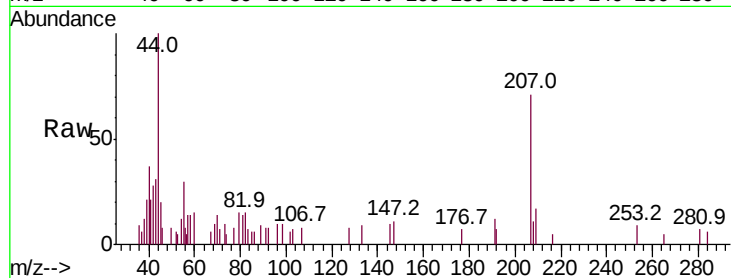




#13
Acrolein
Concen: 5.173 ug/l
RT: 3.86 min Scan# 321
Delta R.T. -0.02 min
Lab File: VW008581.D
Acq: 08 Feb 2019 18:22

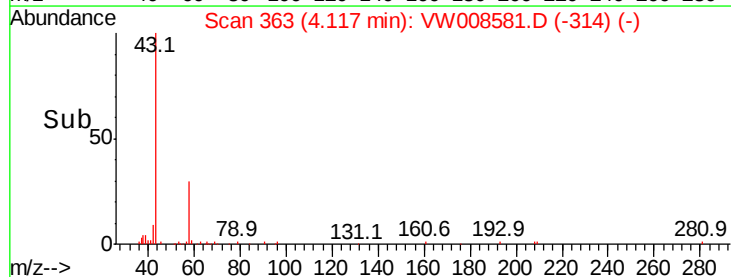
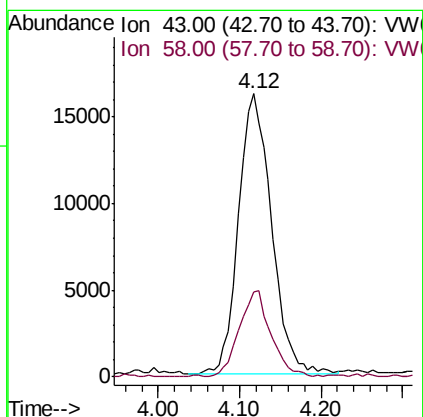
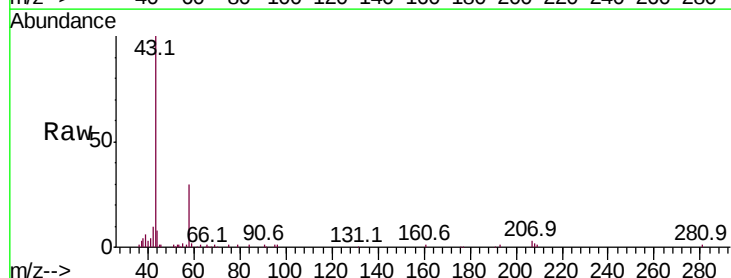
Instrument :
MSVOA_W
ClientSampled :
OK-01-020719

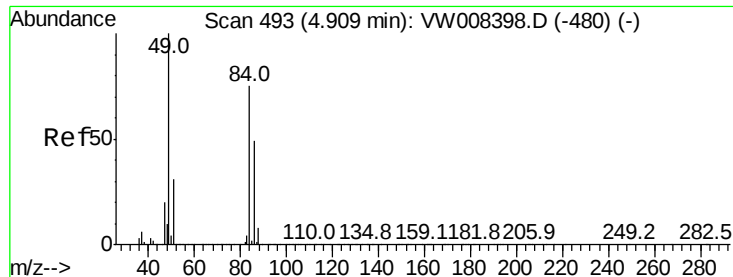
Tot Ion: 56 Resp: 327
Ion Ratio Lower Upper
56 100
55 221.1 56.7 85.1#



#16
Acetone
Concen: 44.423 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW008581.D
Acq: 08 Feb 2019 18:22

Tgt Ion: 43 Resp: 45733
Ion Ratio Lower Upper
43 100
58 30.2 22.6 34.0

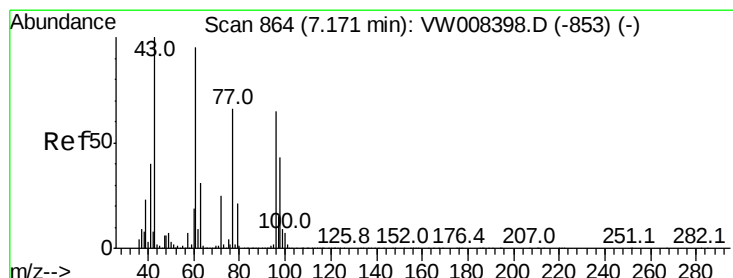
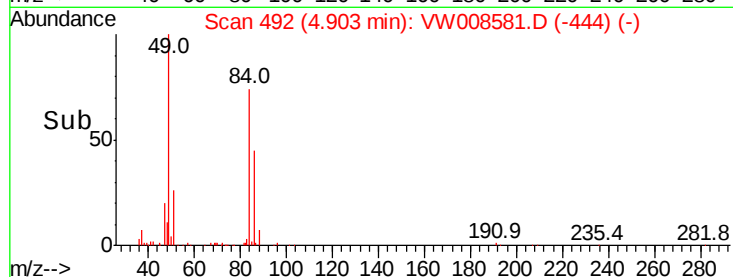
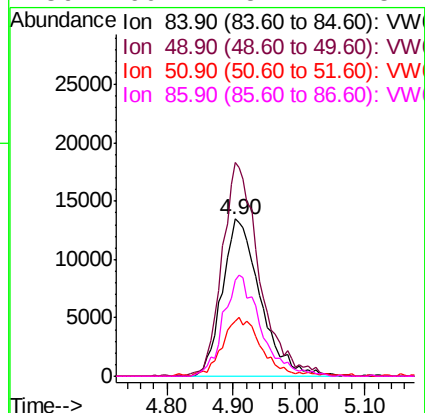
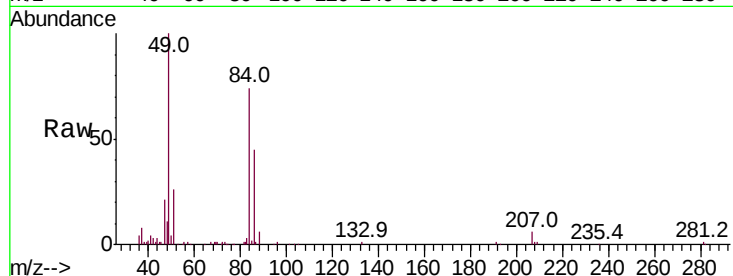




#20
Methylene Chloride
Concen: 11.360 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008581.D
Acq: 08 Feb 2019 18:22

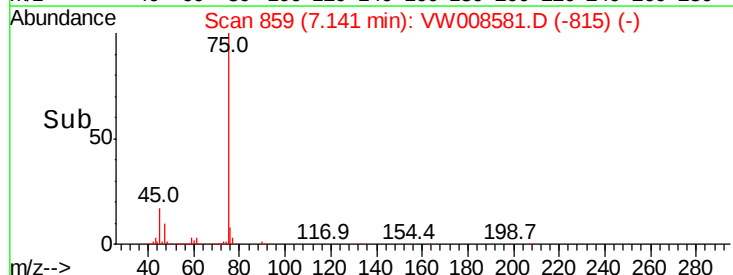
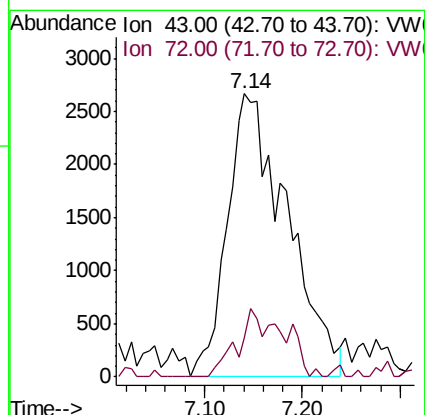
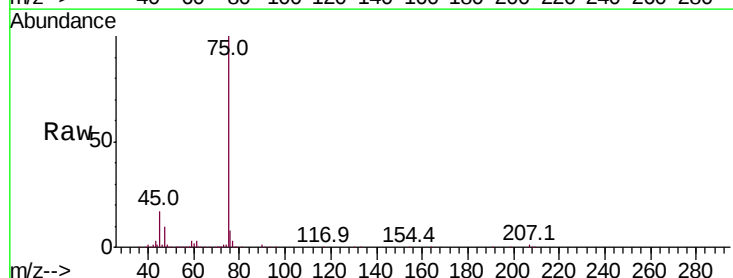
Instrument :
MSVOA_W
ClientSampled :
OK-01-020719

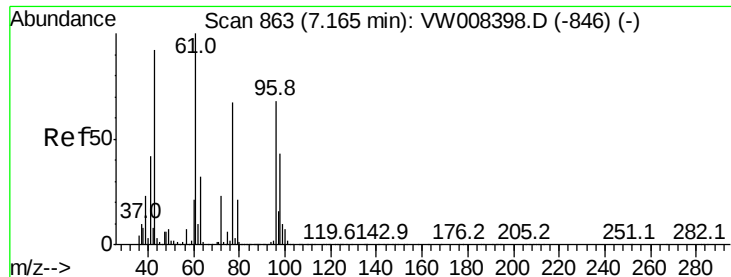
Tot Ion:	84	Resp:	53902
Ion	Ratio	Lower	Upper
84	100		
49	135.4	106.8	160.2
51	35.3	32.9	49.3
86	60.7	52.2	78.2



#25
2-Butanone
Concen: 7.928 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW008581.D
Acq: 08 Feb 2019 18:22

Tgt Ion:	43	Resp:	11336
Ion	Ratio	Lower	Upper
43	100		
72	13.9	20.1	30.1#

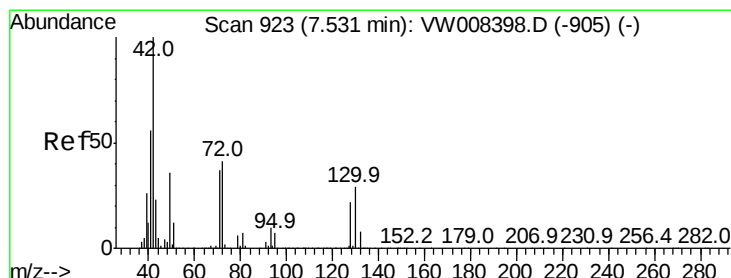
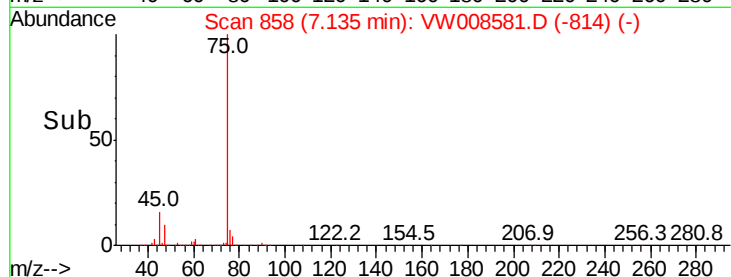
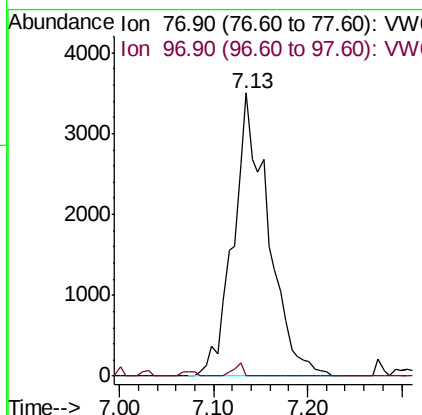
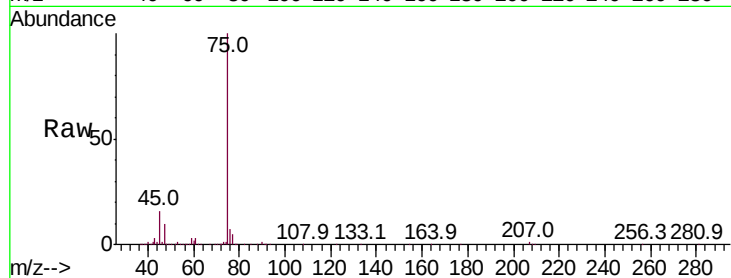




#26
 2,2-Dichloropropane
 Concen: 1.542 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: VW008581.D
 Acq: 08 Feb 2019 18:22

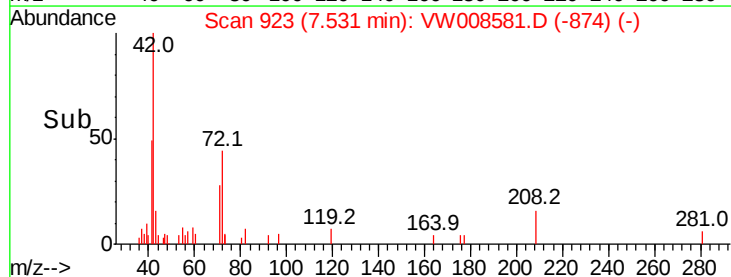
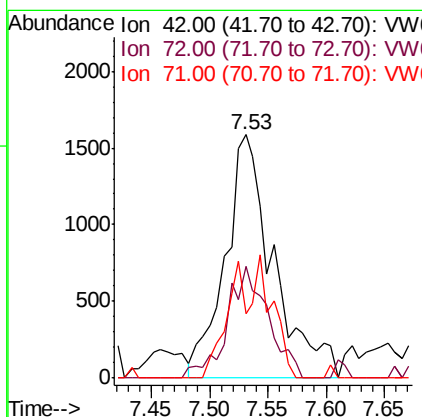
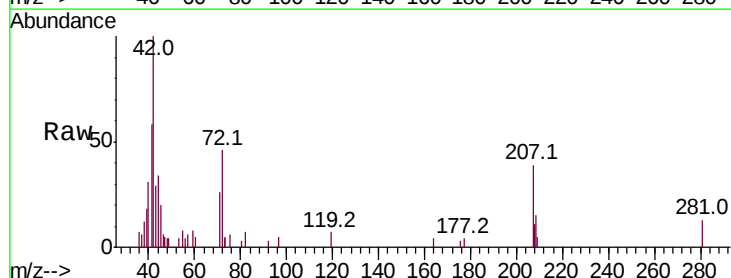
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-020719

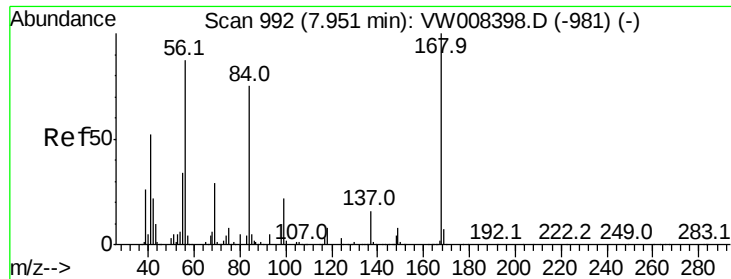
Tot Ion: 77 Resp: 9070
 Ion Ratio Lower Upper
 77 100
 97 1.2 11.5 34.5#



#29
 Tetrahydrofuran
 Concen: 5.024 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VW008581.D
 Acq: 08 Feb 2019 18:22

Tgt Ion: 42 Resp: 4553
 Ion Ratio Lower Upper
 42 100
 72 39.2 31.9 47.9
 71 19.2 29.9 44.9#

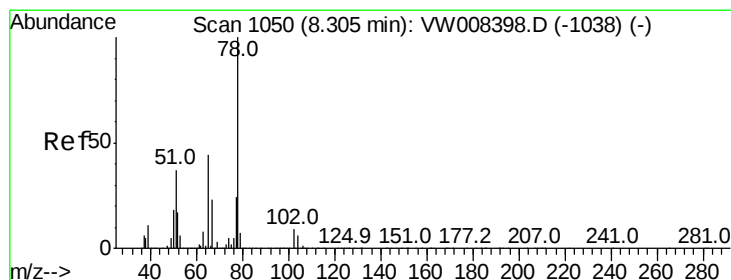
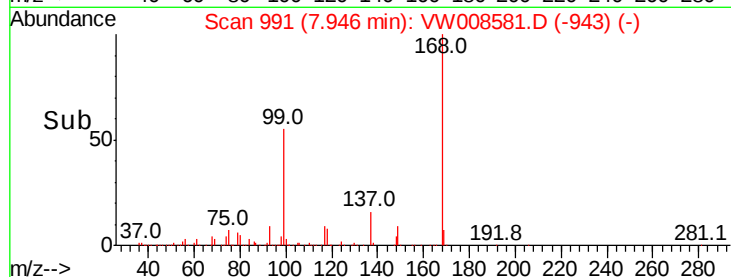
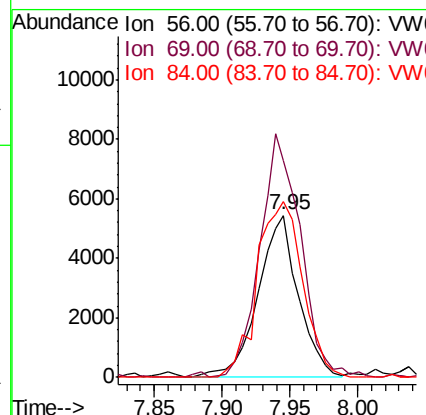
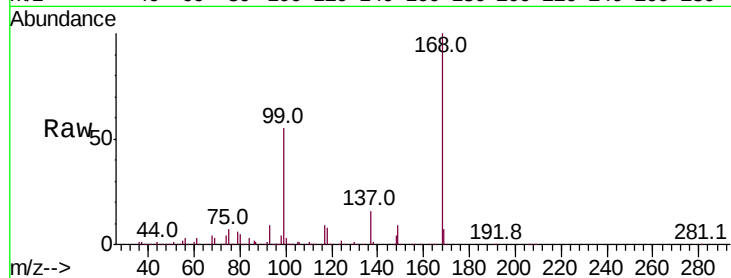




#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008581.D
Acq: 08 Feb 2019 18:22

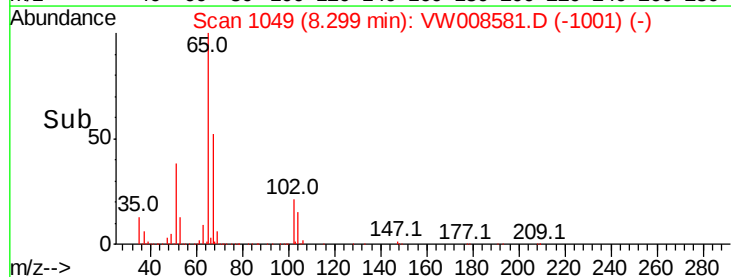
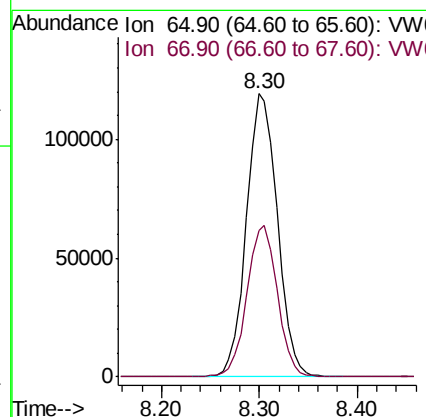
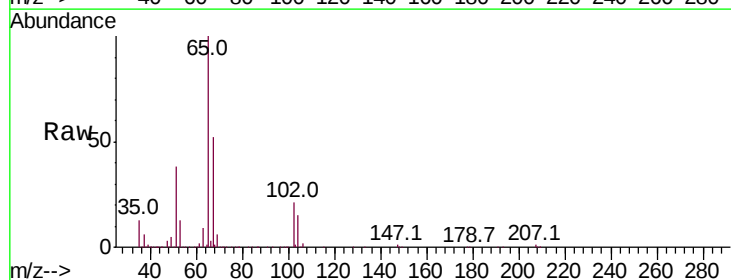
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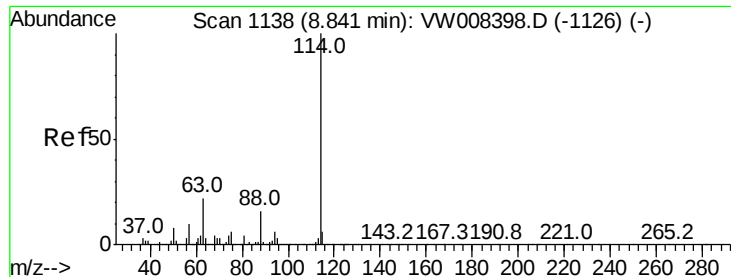
Tot Ion: 56 Resp: 11306
Ion Ratio Lower Upper
56 100
69 132.4 26.4 39.6#
84 108.8 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 57.014 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008581.D
Acq: 08 Feb 2019 18:22

Tgt Ion: 65 Resp: 261374
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008581.D

Acq: 08 Feb 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

OK-01-020719

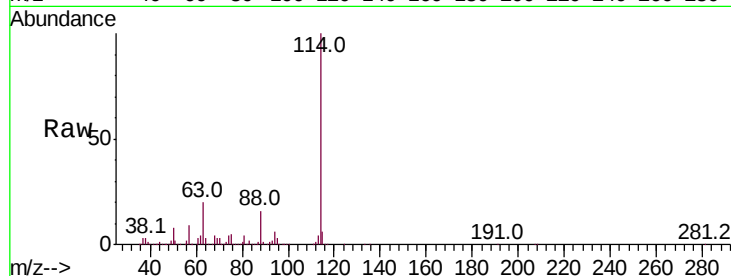
Tot Ion:114 Resp: 758707

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.6

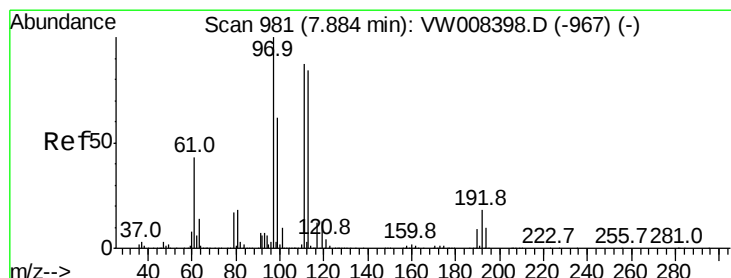
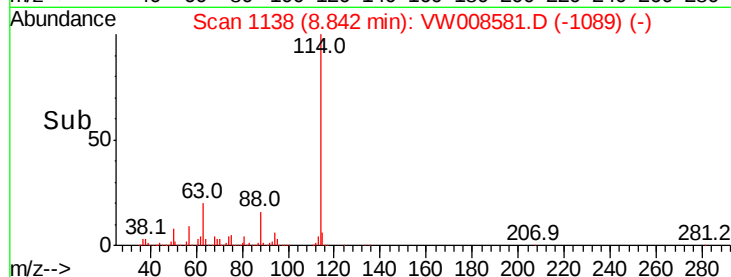
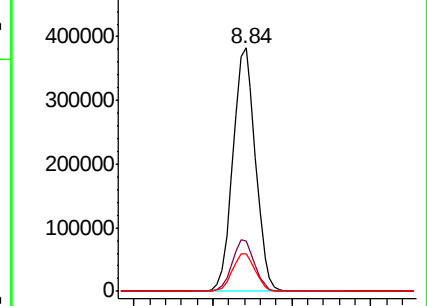
88 15.5 0.0 31.8



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: 52.780 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008581.D

Acq: 08 Feb 2019 18:22

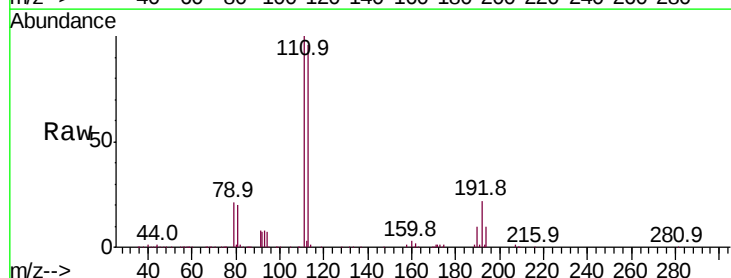
Tgt Ion:113 Resp: 234154

Ion Ratio Lower Upper

113 100

111 104.4 81.0 121.4

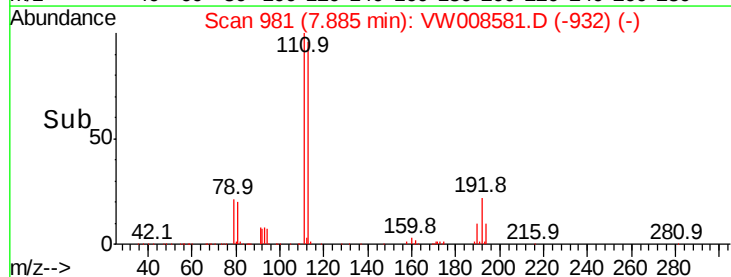
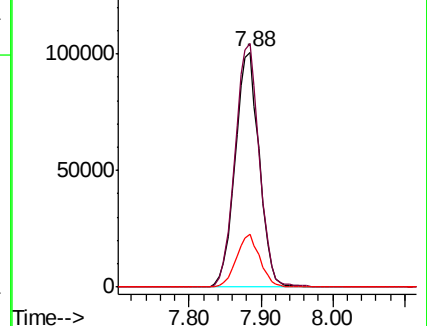
192 21.9 16.8 25.2

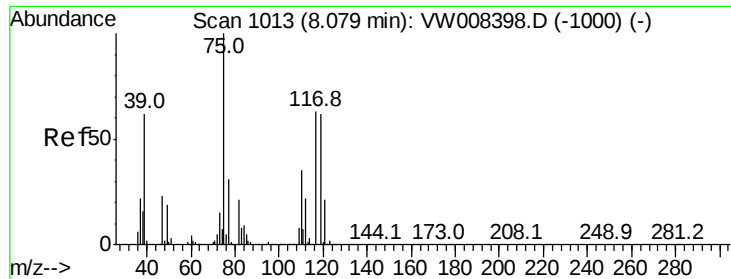


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.063 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008581.D

Acq: 08 Feb 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

OK-01-020719

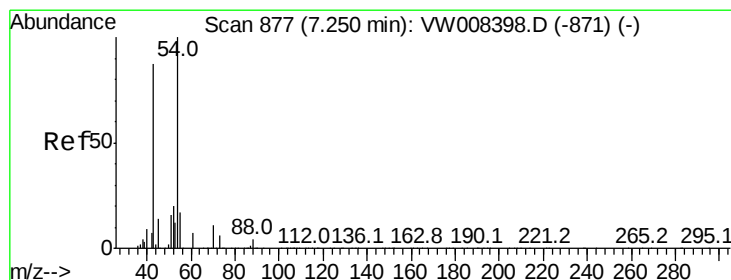
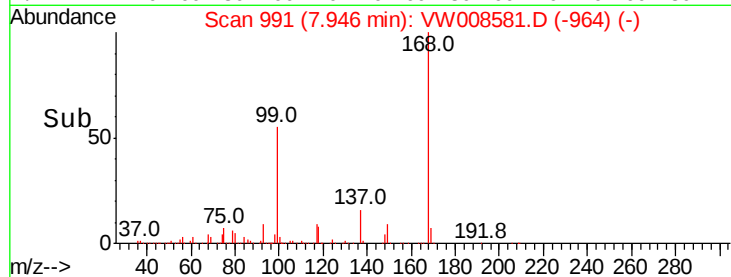
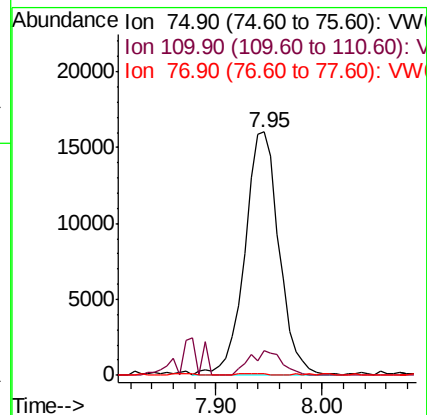
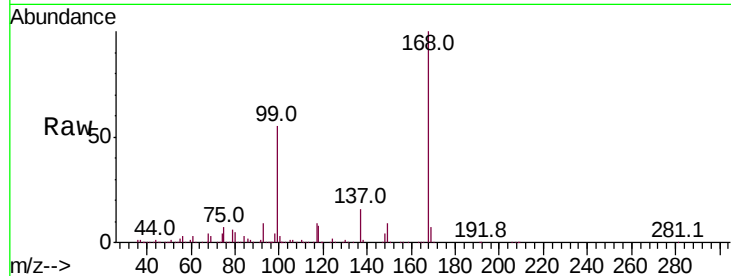
Tot Ion: 75 Resp: 36288

Ion Ratio Lower Upper

75 100

110 9.7 17.3 52.0#

77 0.7 24.7 37.1#



#37

Ethyl Acetate

Concen: 3.575 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.11 min

Lab File: VW008581.D

Acq: 08 Feb 2019 18:22

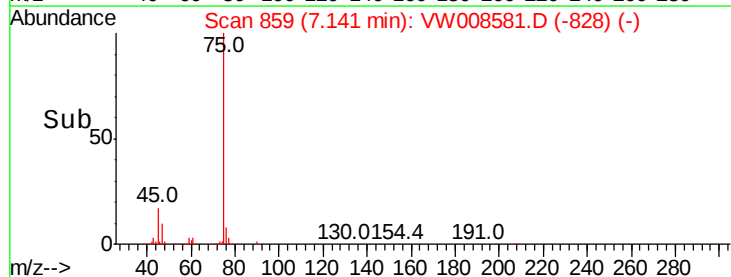
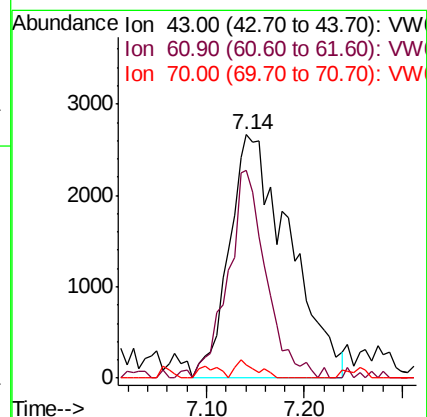
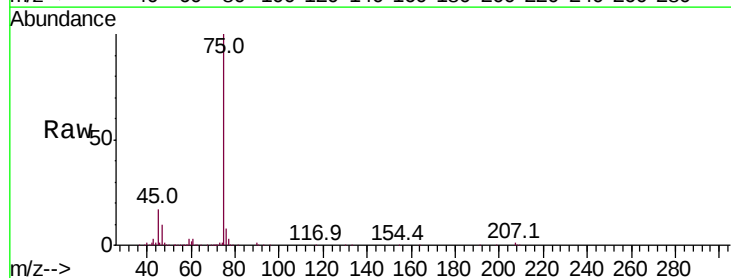
Tgt Ion: 43 Resp: 11336

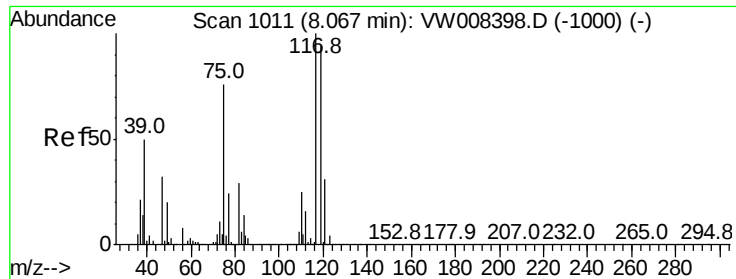
Ion Ratio Lower Upper

43 100

61 54.3 10.1 15.1#

70 2.5 7.8 11.6#

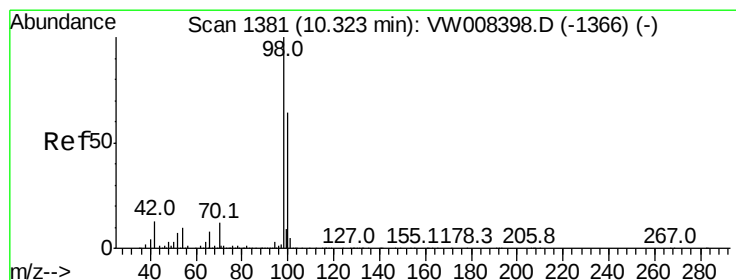
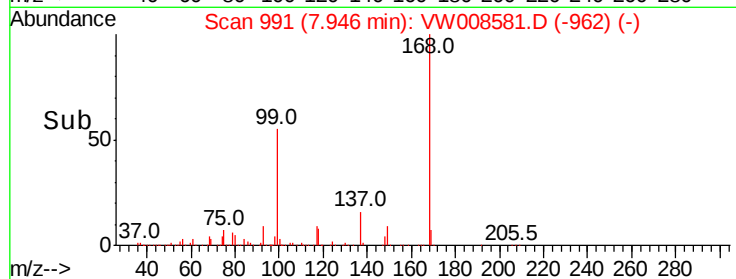
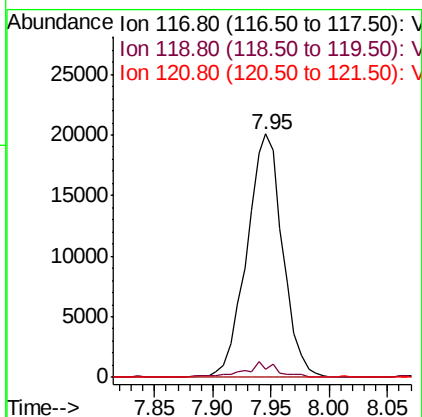
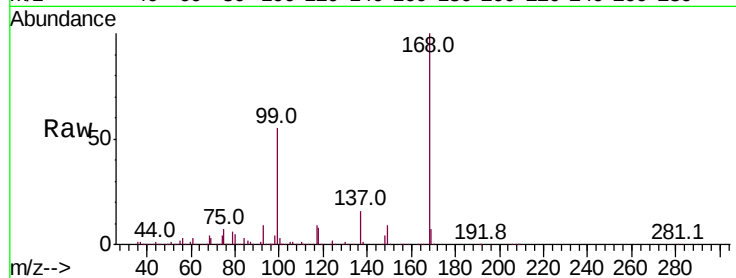




#38
Carbon Tetrachloride
Concen: 5.960 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008581.D
Acq: 08 Feb 2019 18:22

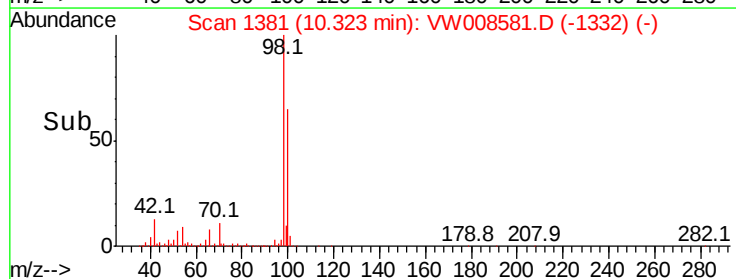
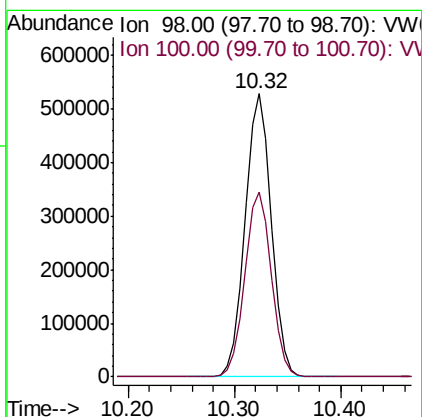
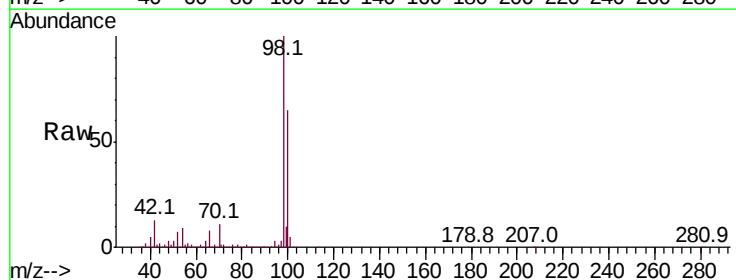
Instrument :
MSVOA_W
ClientSampleId :
OK-01-020719

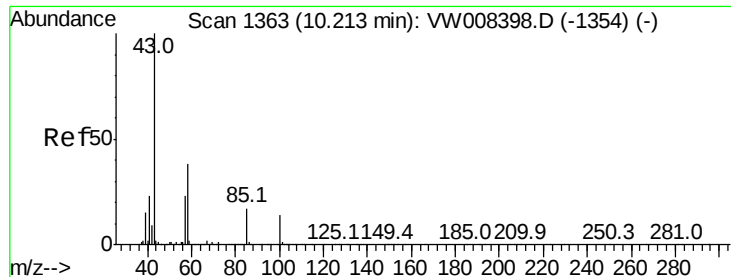
Tot Ion:117 Resp: 42980
Ion Ratio Lower Upper
117 100
119 3.3 75.0 112.4#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 51.430 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008581.D
Acq: 08 Feb 2019 18:22

Tgt Ion: 98 Resp: 914948
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

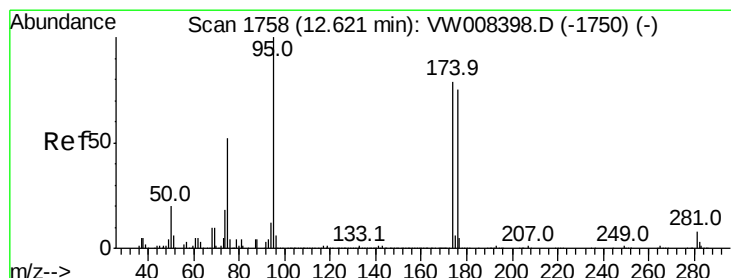
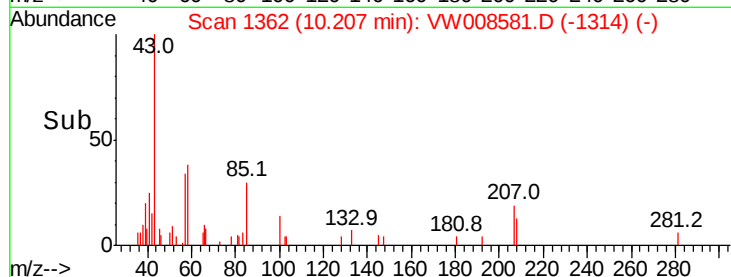
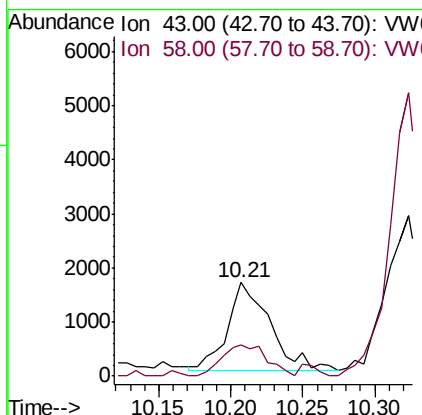
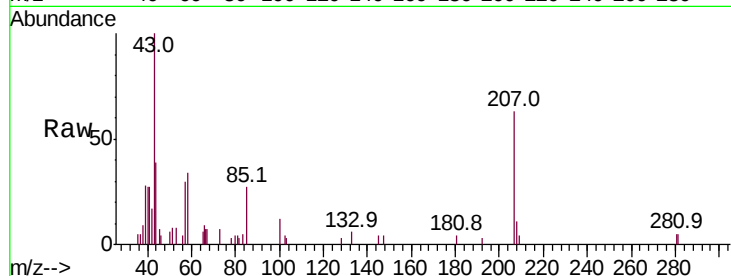




#51
4-Methyl-2-Pentanone
Concen: 1.054 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008581.D
Acq: 08 Feb 2019 18:22

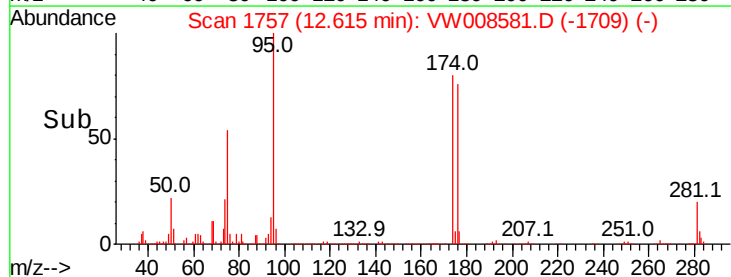
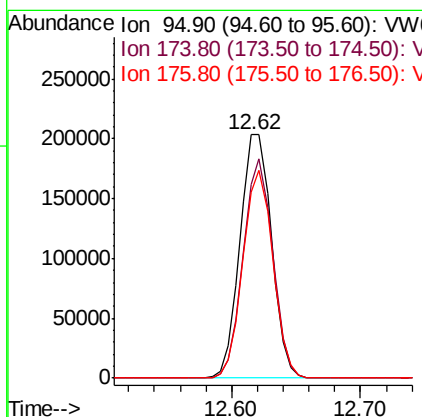
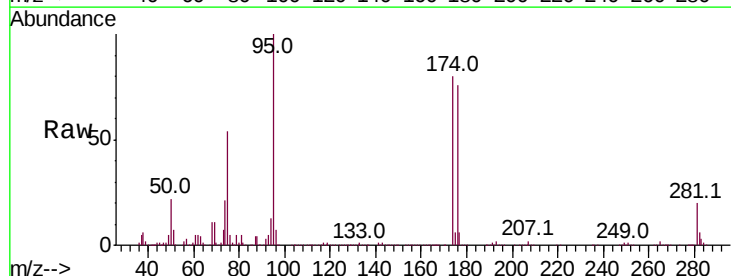
Instrument :
MSVOA_W
ClientSampleId :
OK-01-020719

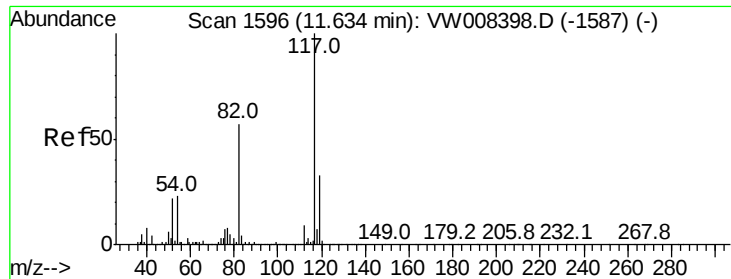
Tot Ion: 43 Resp: 3429
Ion Ratio Lower Upper
43 100
58 36.4 29.7 44.5



#62
4-Bromofluorobenzene
Concen: 50.397 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW008581.D
Acq: 08 Feb 2019 18:22

Tgt Ion: 95 Resp: 344628
Ion Ratio Lower Upper
95 100
174 84.3 0.0 157.6
176 81.1 0.0 151.8

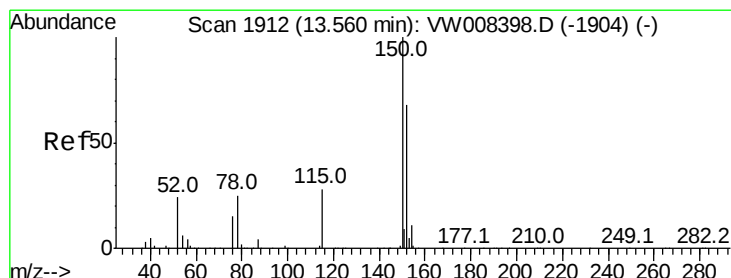
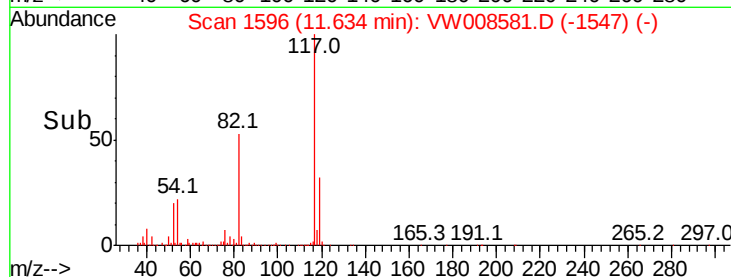
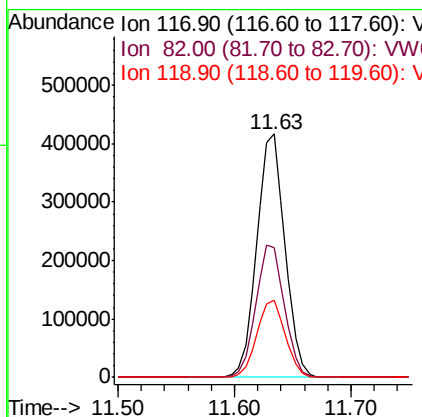
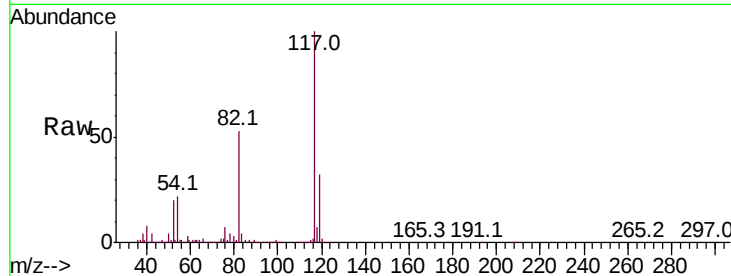




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008581.D
Acq: 08 Feb 2019 18:22

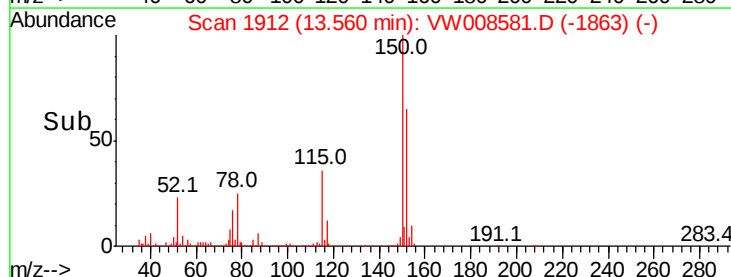
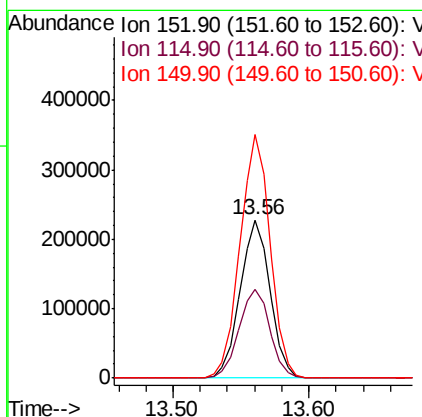
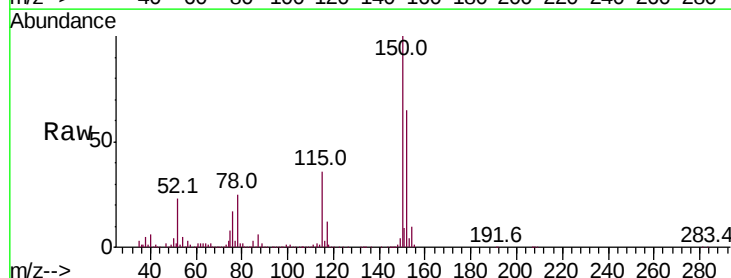
Instrument :
MSVOA_W
ClientSampleId :
OK-01-020719

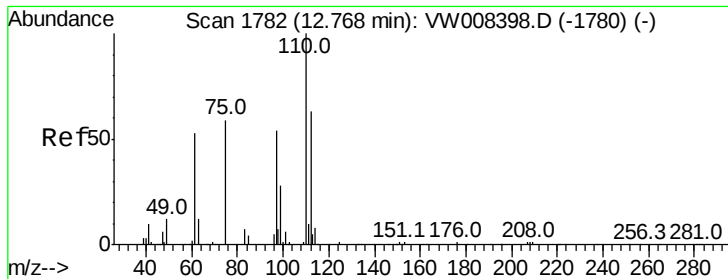
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.4	68.0
119	31.6	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008581.D
Acq: 08 Feb 2019 18:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.9	89.7
150	154.8	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 59.378 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008581.D

Acq: 08 Feb 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

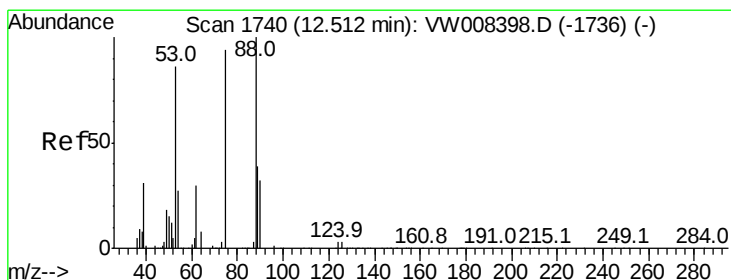
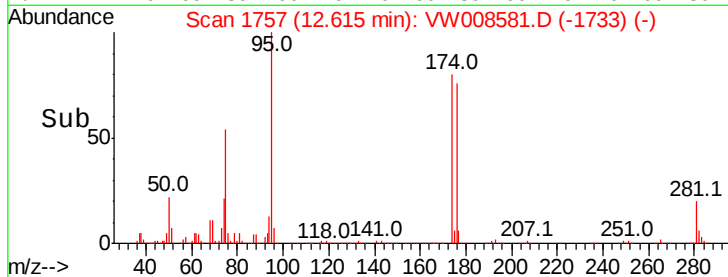
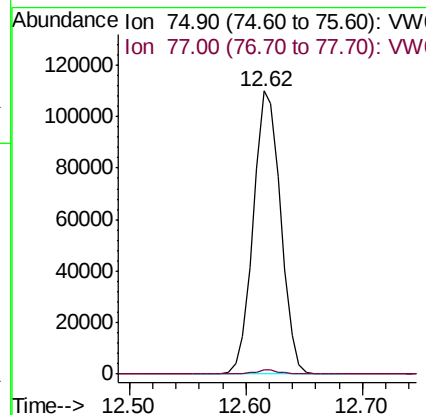
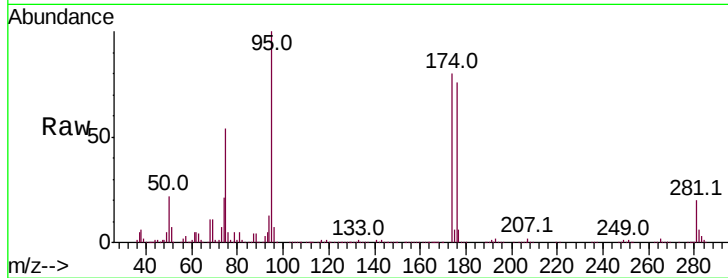
OK-01-020719

Tot Ion: 75 Resp: 180734

Ion Ratio Lower Upper

75 100

77 1.4 180.7 542.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 117.276 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008581.D

Acq: 08 Feb 2019 18:22

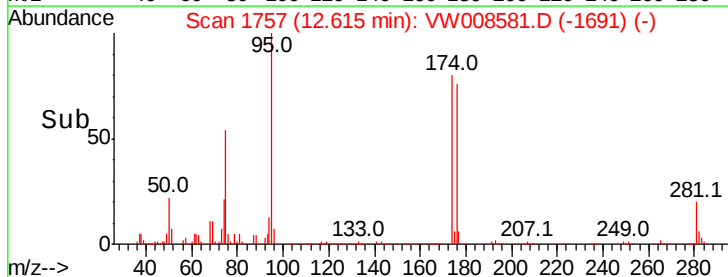
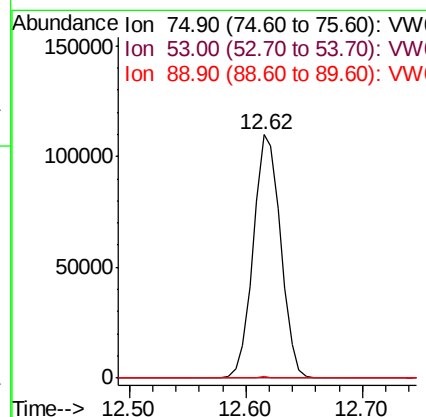
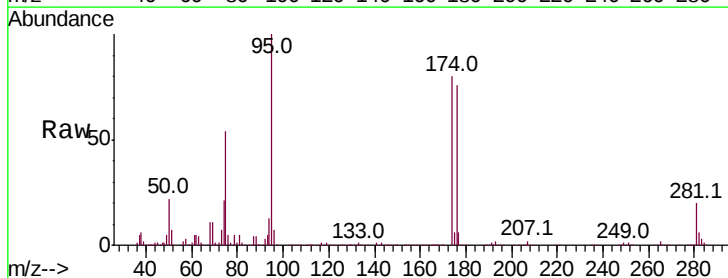
Tgt Ion: 75 Resp: 180734

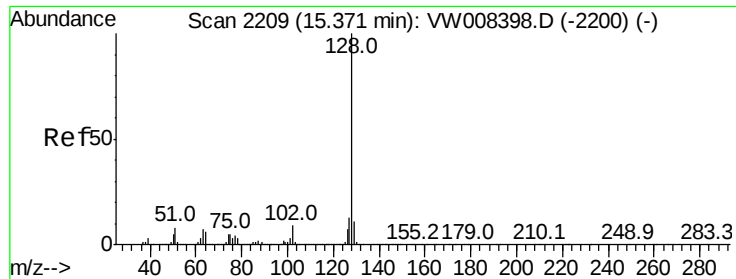
Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.3 35.4 53.0#





#95

Naphthalene

Concen: 1.294 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008581.D

Acq: 08 Feb 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

OK-01-020719

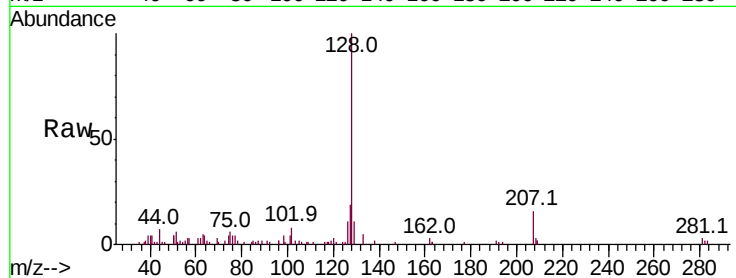
Tot Ion:128 Resp: 16520

Ion Ratio Lower Upper

128 100

127 18.3 10.6 15.8#

129 13.5 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

