

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008584.D
 Acq On : 08 Feb 2019 20:33
 Operator : SY/VA
 Sample : K1390-04RE
 Misc : 4.51G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04(0-2)RE

Quant Time: Feb 09 00:29:14 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	439616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	712269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	627171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	281957	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	243607	56.41	ug/l	0.00
Spiked Amount			Recovery	=	112.82%	
35) Dibromofluoromethane	7.88	113	224979	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	
50) Toluene-d8	10.32	98	844398	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.62	95	295938	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	

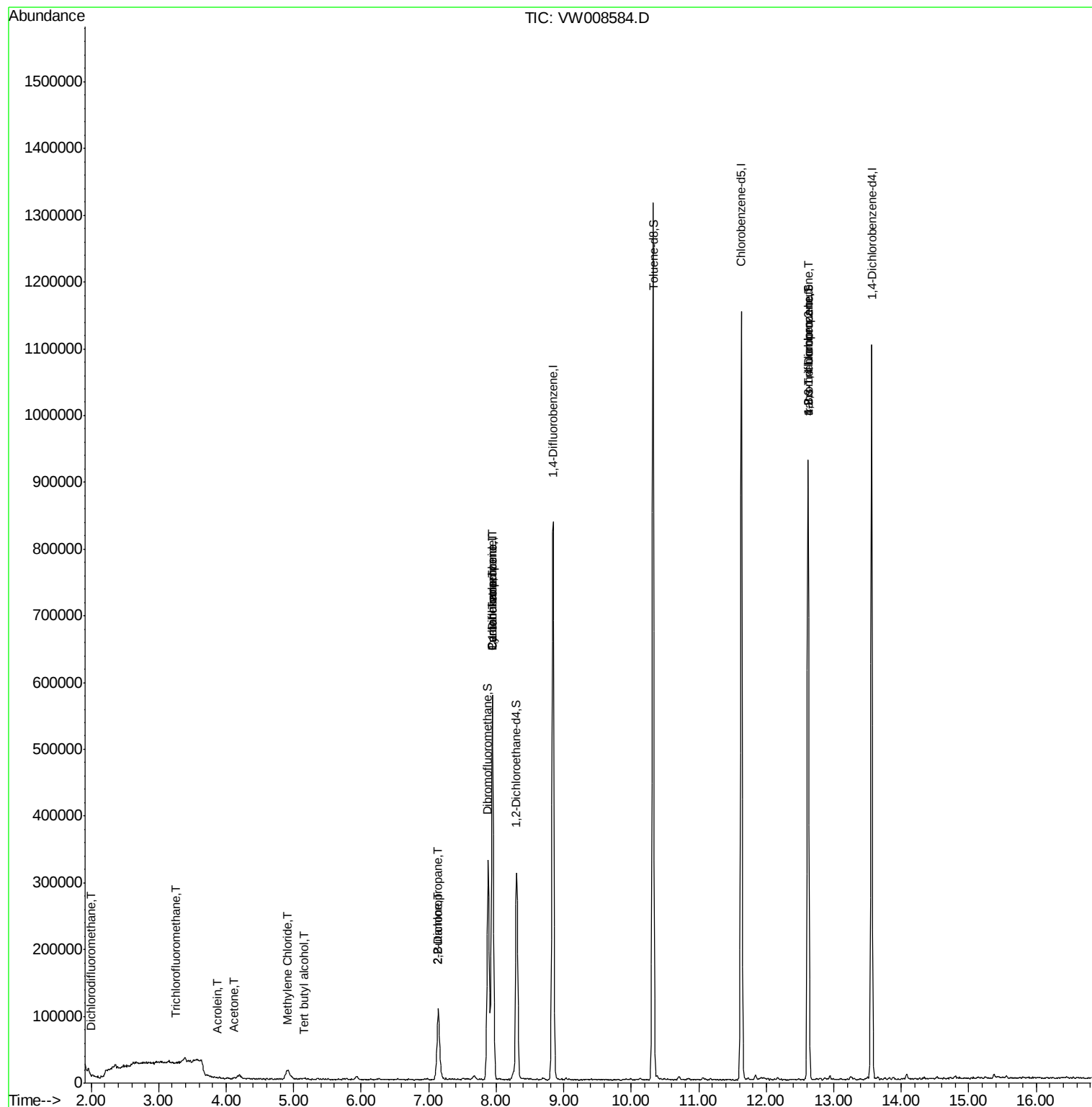
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	172	3.316	ug/l #	41
7) Trichlorofluoromethane	3.25	101	433	4.823	ug/l #	17
11) Tert butyl alcohol	5.15	59	676	1.944	ug/l #	1
13) Acrolein	3.87	56	177	4.753	ug/l #	9
16) Acetone	4.12	43	4271	4.404	ug/l #	89
20) Methylene Chloride	4.91	84	12107	2.708	ug/l #	90
25) 2-Butanone	7.13	43	6280	4.662	ug/l #	88
26) 2,2-Dichloropropane	7.15	77	7402	1.336	ug/l #	58
31) Cyclohexane	7.95	56	10400	1.227	ug/l #	34
36) 1,1-Dichloropropene	7.94	75	33826	5.028	ug/l #	49
38) Carbon Tetrachloride	7.95	117	42591	6.291	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	152495	62.207	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	152495	122.863	ug/l #	12

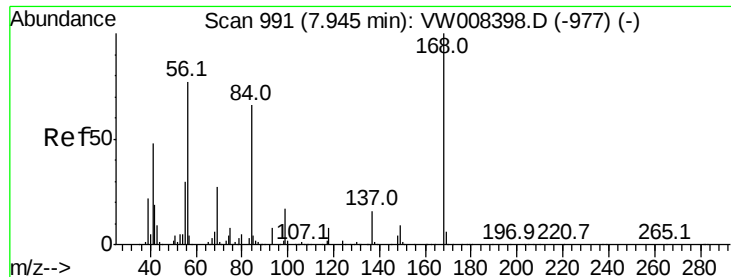
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008584.D

Acq: 08 Feb 2019 20:33

Instrument :

MSVOA_W

ClientSampleId :

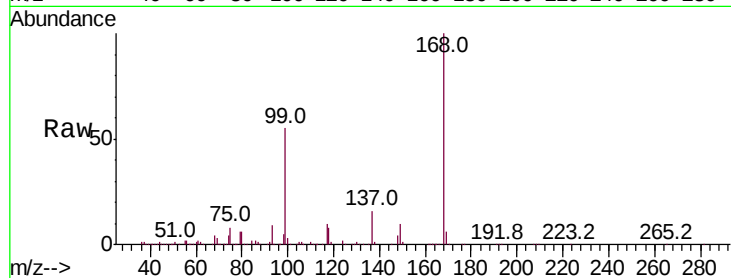
SB-04(0-2)RE

Tot Ion:168 Resp: 439616

Ion Ratio Lower Upper

168 100

99 54.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

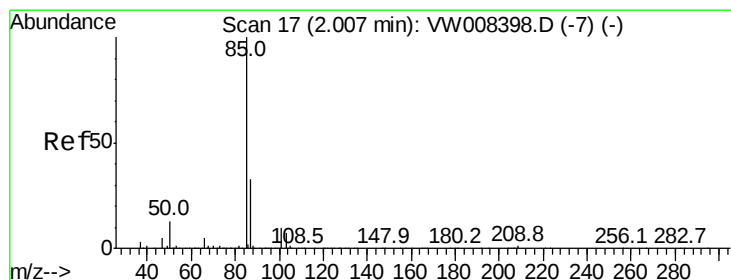
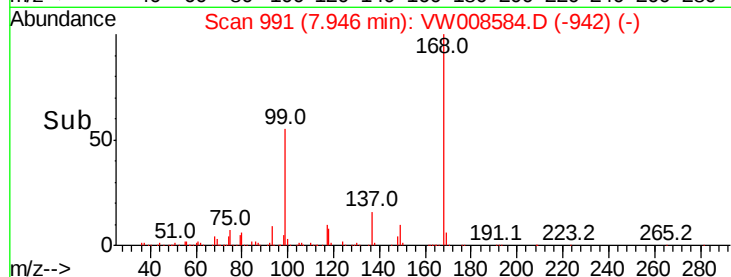
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.316 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008584.D

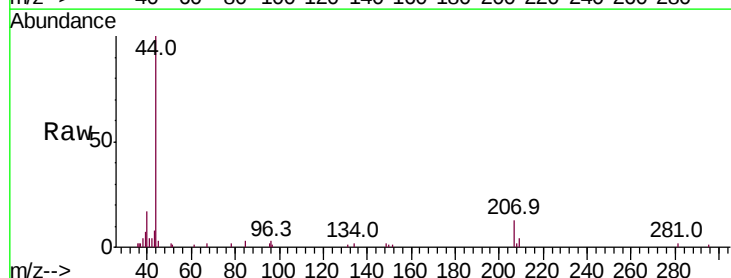
Acq: 08 Feb 2019 20:33

Tgt Ion: 85 Resp: 172

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

2.00

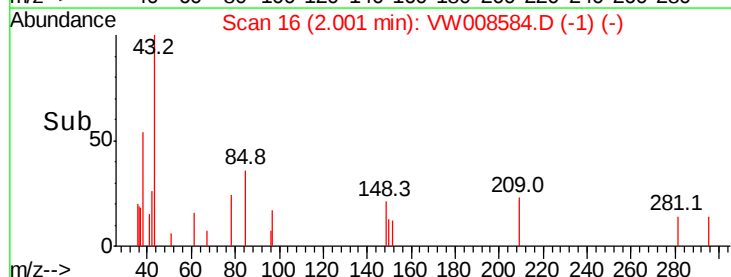
150

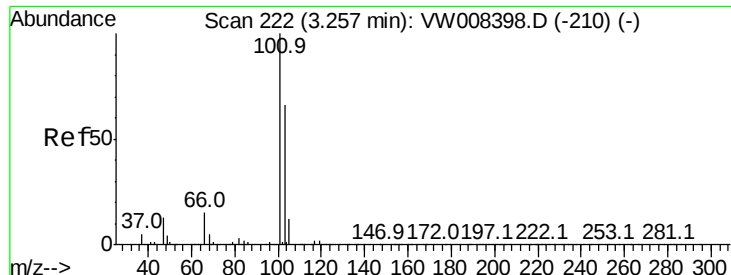
100

50

0

Time-->



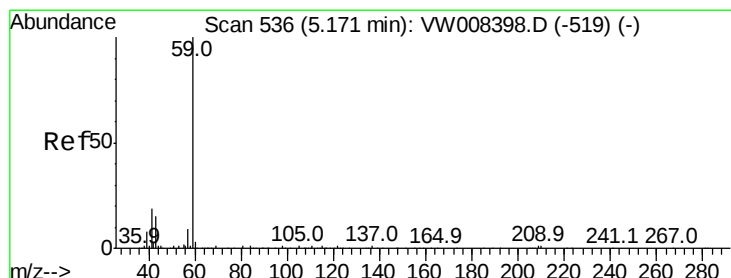
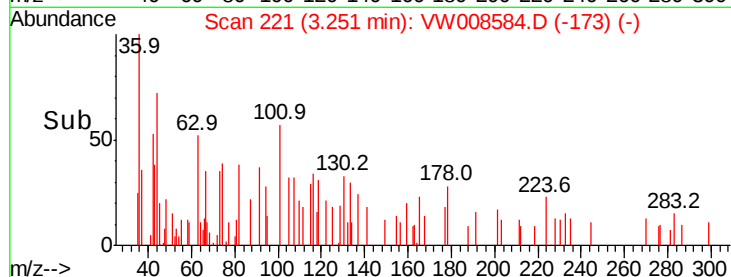
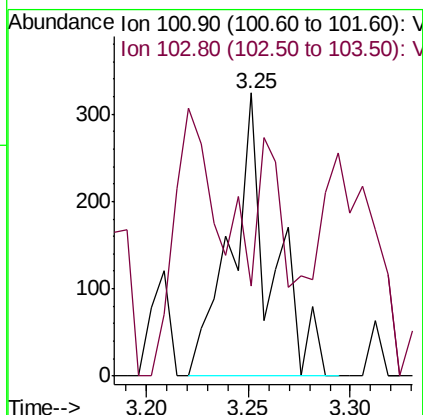
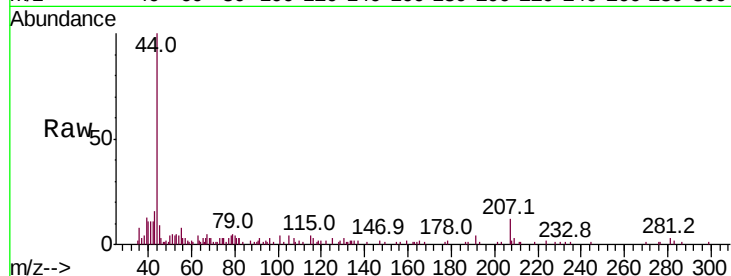


#7

Trichlorofluoromethane
Concen: 4.823 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008584.D
Acq: 08 Feb 2019 20:33

Instrument :
MSVOA_W
ClientSampleId :
SB-04(0-2)RE

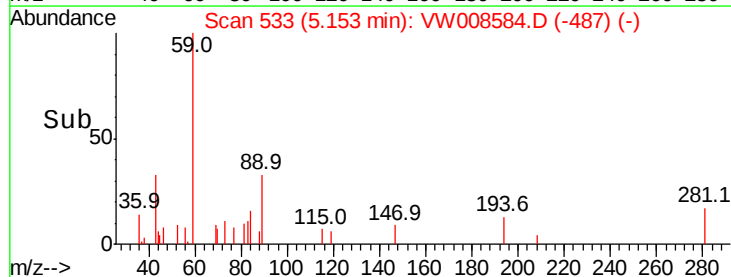
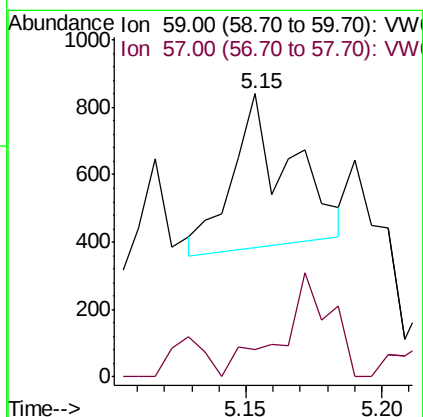
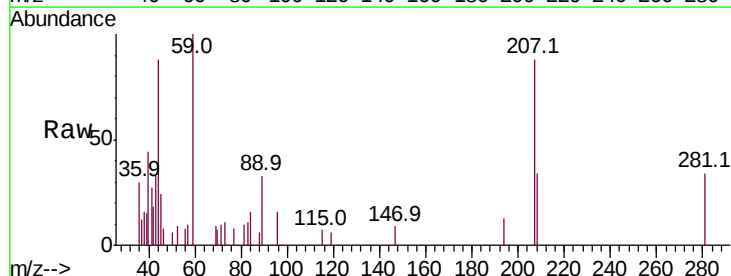
Tot Ion:101 Resp: 433
Ion Ratio Lower Upper
101 100
103 0.0 52.5 78.7#

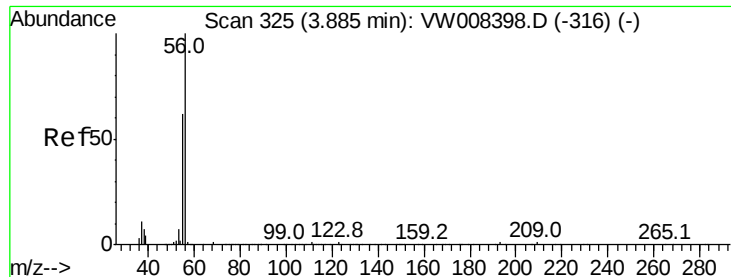


#11

Tert butyl alcohol
Concen: 1.944 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW008584.D
Acq: 08 Feb 2019 20:33

Tgt Ion: 59 Resp: 676
Ion Ratio Lower Upper
59 100
57 56.7 9.3 13.9#





#13

Acrolein

Concen: 4.753 ug/l

RT: 3.87 min Scan# 322

Delta R.T. -0.02 min

Lab File: VW008584.D

Acq: 08 Feb 2019 20:33

Instrument :

MSVOA_W

ClientSampleId :

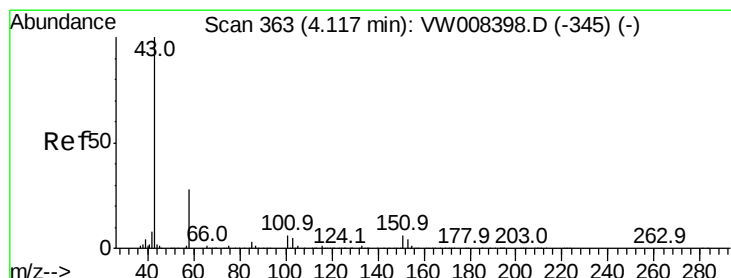
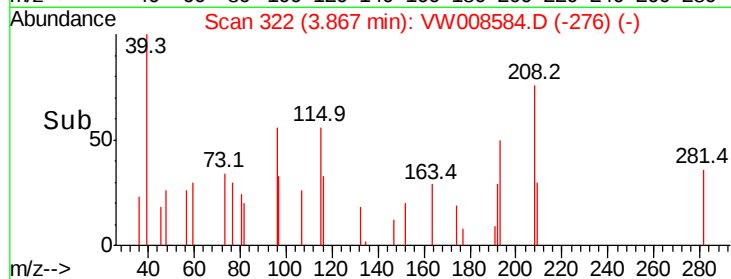
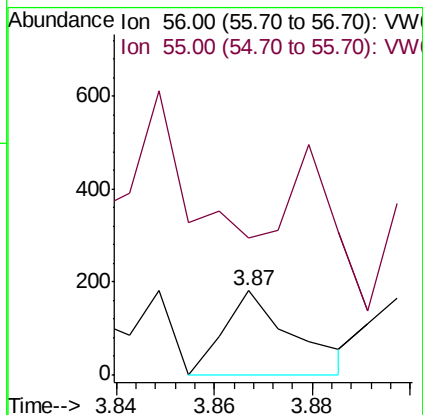
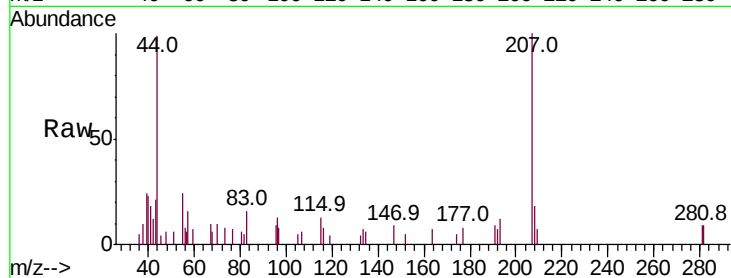
SB-04(0-2)RE

Tot Ion: 56 Resp: 177

Ion Ratio Lower Upper

56 100

55 146.3 56.7 85.1#



#16

Acetone

Concen: 4.404 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008584.D

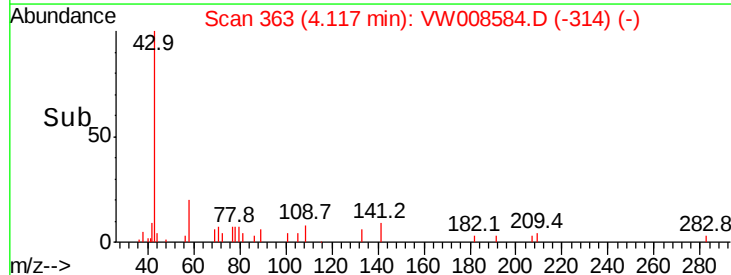
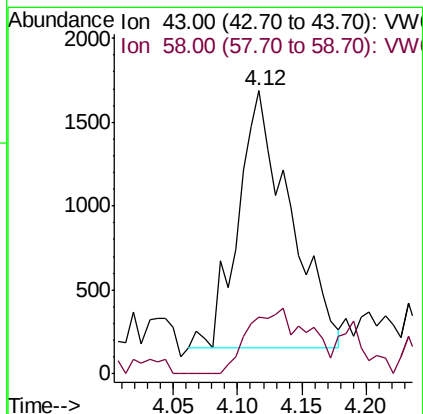
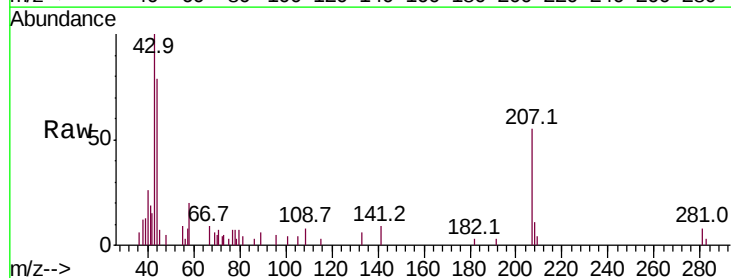
Acq: 08 Feb 2019 20:33

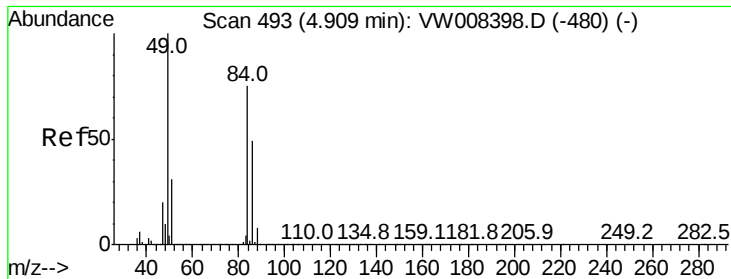
Tgt Ion: 43 Resp: 4271

Ion Ratio Lower Upper

43 100

58 22.3 22.6 34.0#

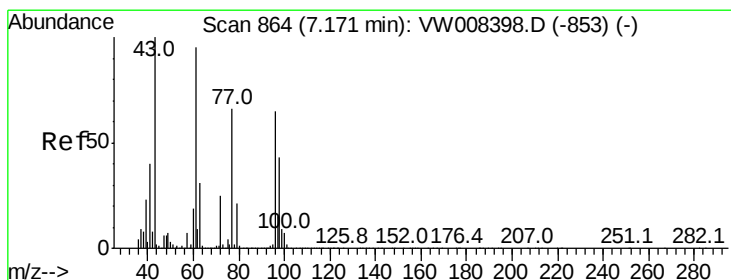
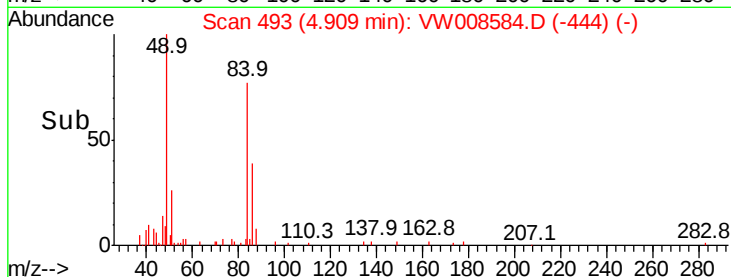
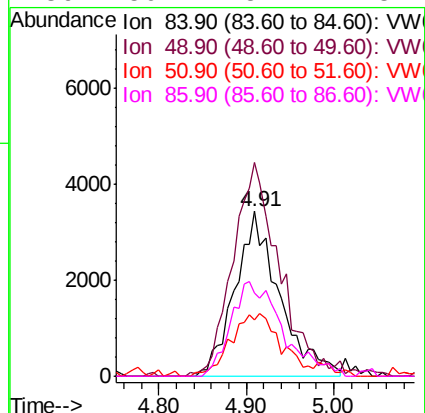
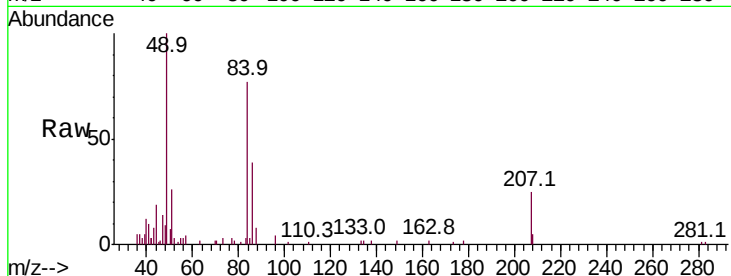




#20
Methvlene Chloride
Concen: 2.708 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008584.D
Acq: 08 Feb 2019 20:33

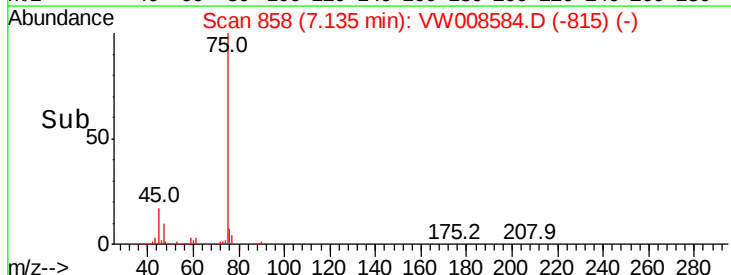
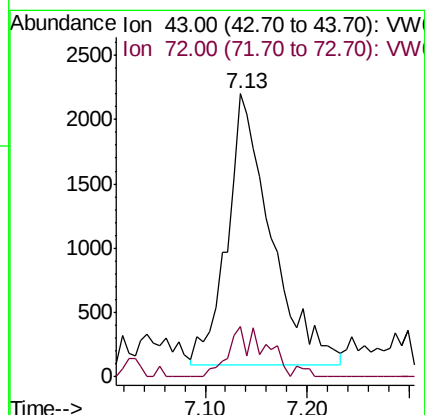
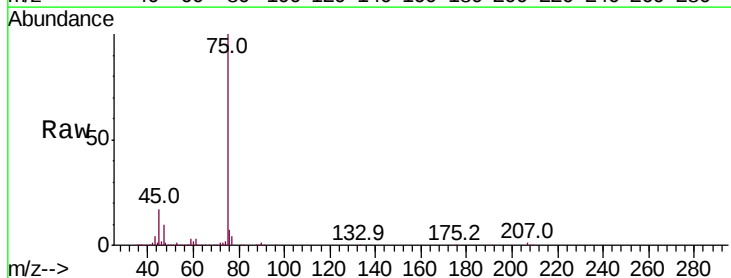
Instrument :
MSVOA_W
ClientSampleId :
SB-04(0-2)RE

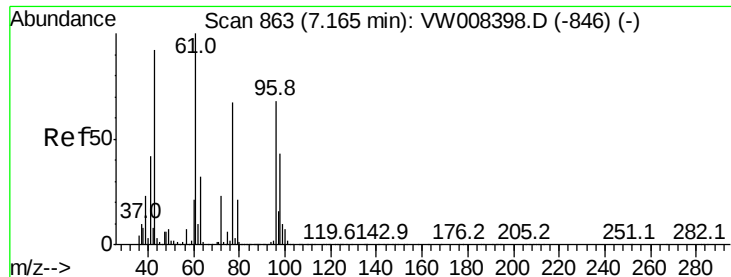
Tot Ion:	84	Resp:	12107
Ion	Ratio	Lower	Upper
84	100		
49	127.6	106.8	160.2
51	34.0	32.9	49.3
86	50.2	52.2	78.2#



#25
2-Butanone
Concen: 4.662 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.04 min
Lab File: VW008584.D
Acq: 08 Feb 2019 20:33

Tgt Ion:	43	Resp:	6280
Ion	Ratio	Lower	Upper
43	100		
72	19.0	20.1	30.1#

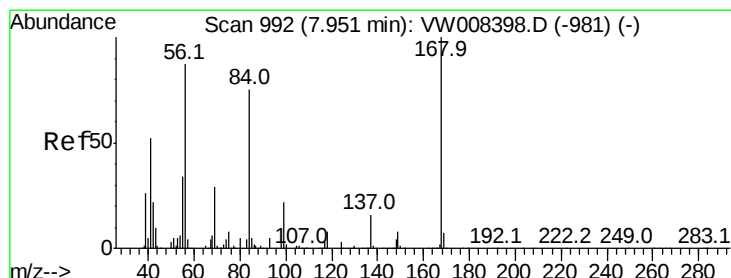
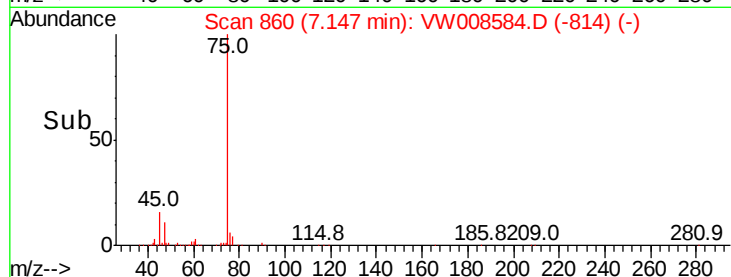
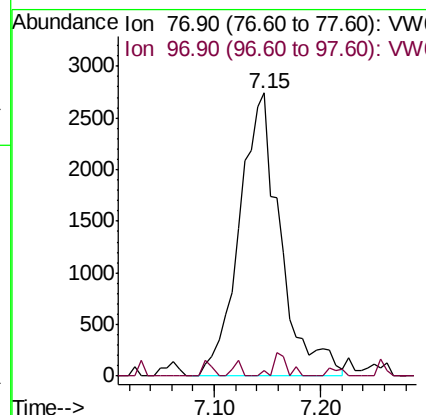
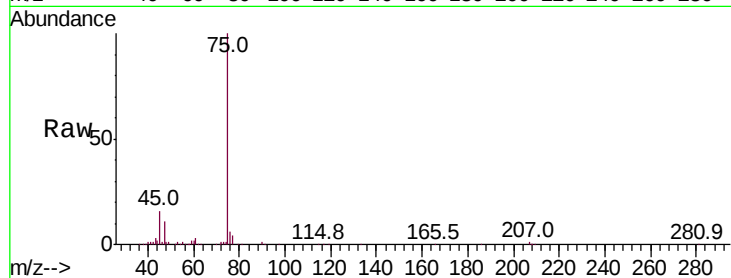




#26
 2,2-Dichloropropane
 Concen: 1.336 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW008584.D
 Acq: 08 Feb 2019 20:33

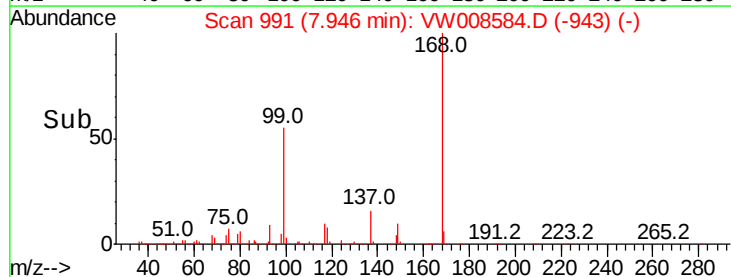
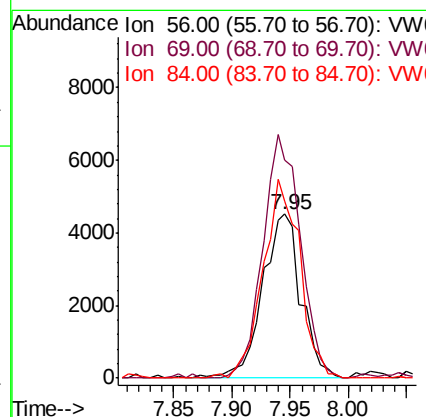
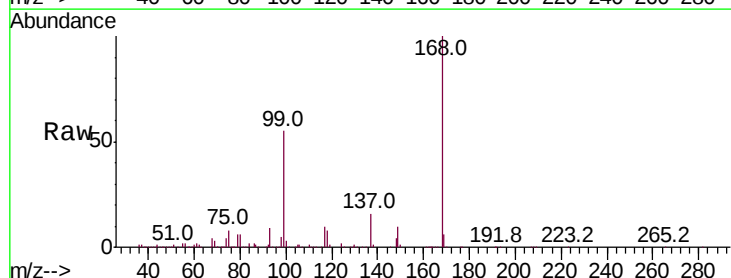
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04(0-2)RE

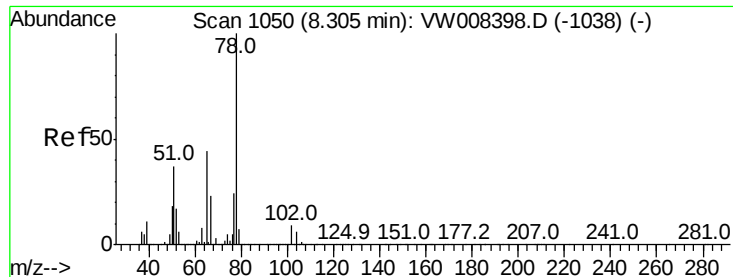
Tot Ion: 77 Resp: 7402
 Ion Ratio Lower Upper
 77 100
 97 2.8 11.5 34.5#



#31
 Cyclohexane
 Concen: 1.227 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW008584.D
 Acq: 08 Feb 2019 20:33

Tgt Ion: 56 Resp: 10400
 Ion Ratio Lower Upper
 56 100
 69 133.3 26.4 39.6#
 84 107.6 69.1 103.7#





#33

1,2-Dichloroethane-d4

Concen: 56.406 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008584.D

Acq: 08 Feb 2019 20:33

Instrument :

MSVOA_W

ClientSampleId :

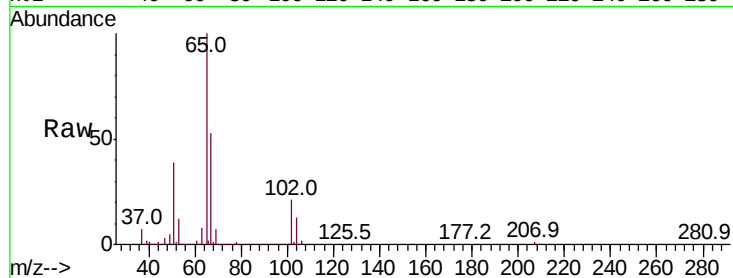
SB-04(0-2)RE

Tot Ion: 65 Resp: 243607

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

120000

100000

80000

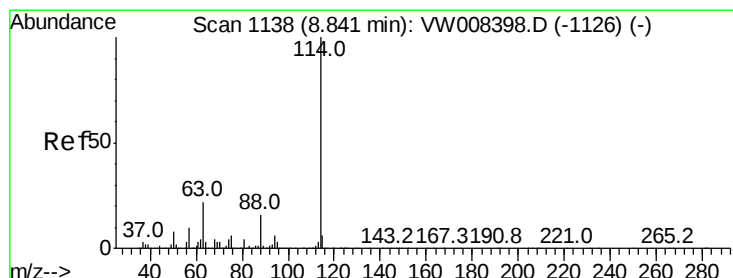
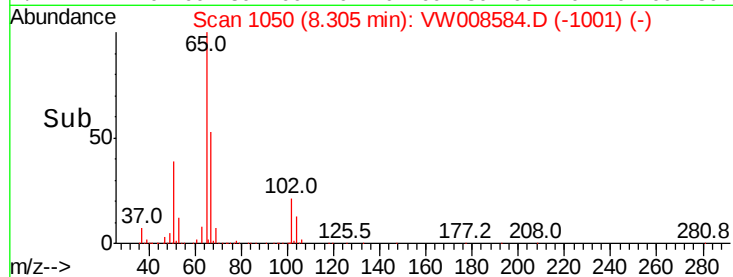
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008584.D

Acq: 08 Feb 2019 20:33

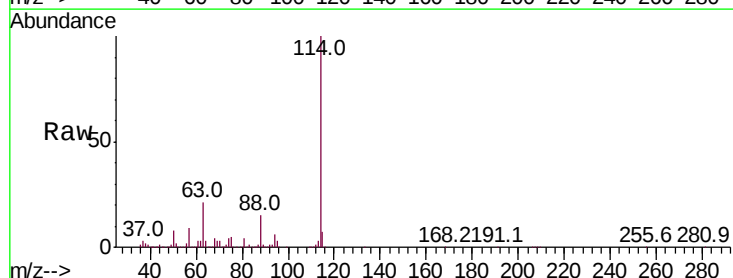
Tgt Ion: 114 Resp: 712269

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.6

88 15.0 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

500000

400000

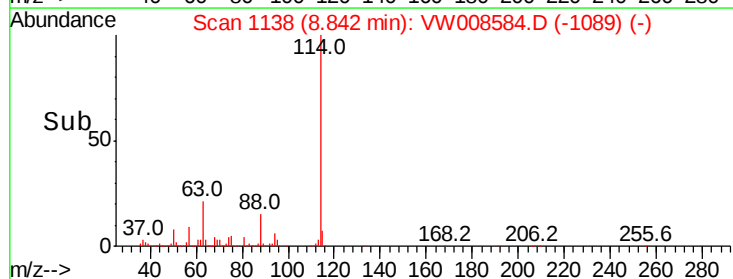
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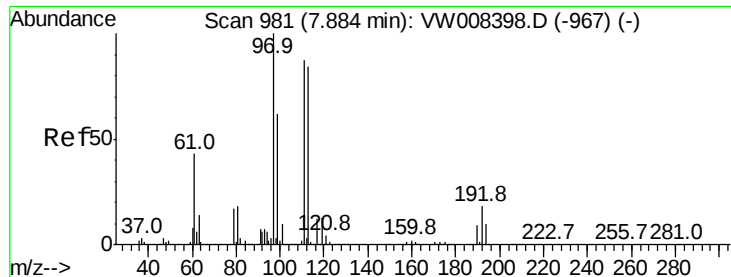
200000

100000

0

Time--> 8.70 8.80 8.90

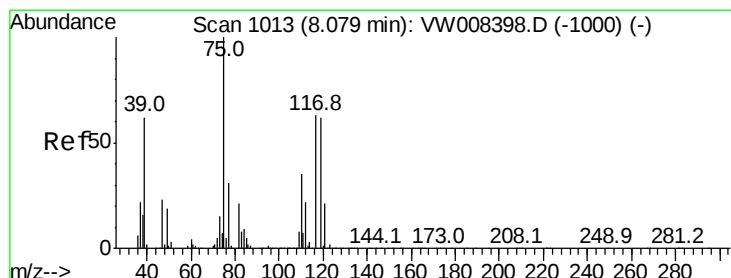
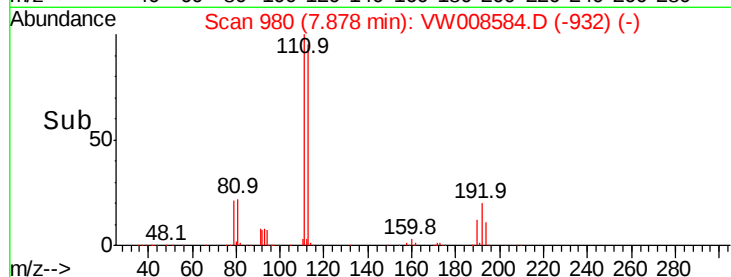
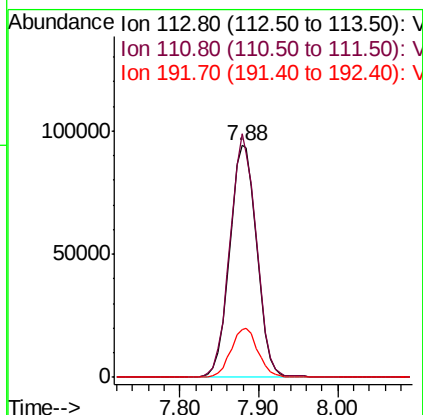
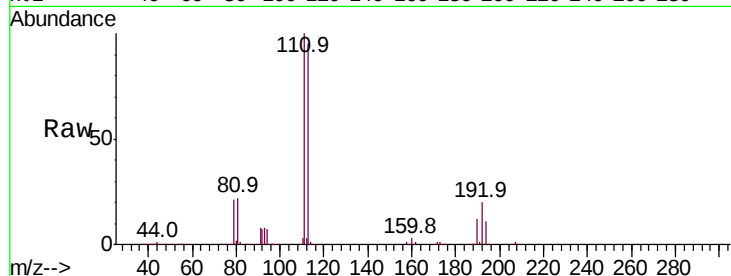




#35
Dibromofluoromethane
Concen: 54.018 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008584.D
Acq: 08 Feb 2019 20:33

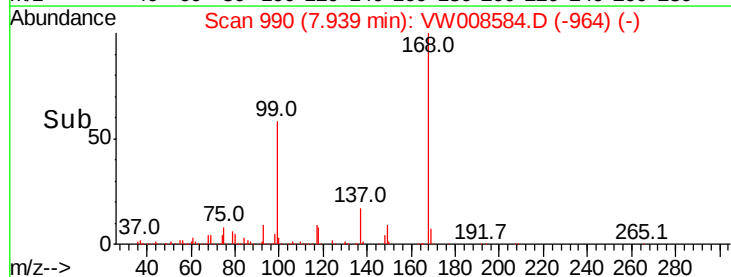
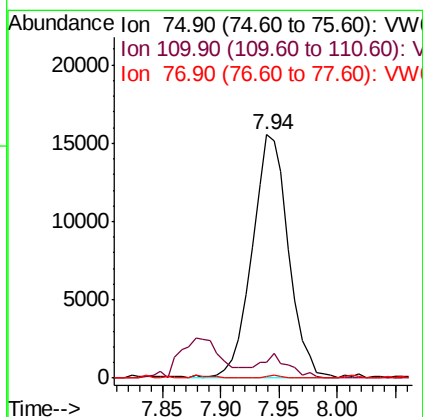
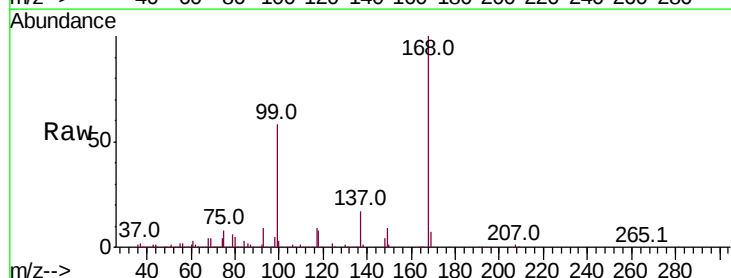
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MSVOA_W
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SB-04(0-2)RE

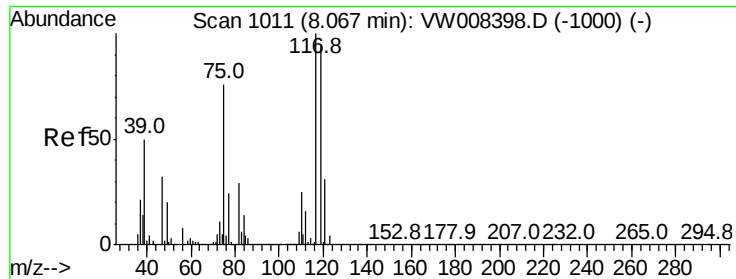
Tot Ion:113 Resp: 224979
Ion Ratio Lower Upper
113 100
111 102.0 81.0 121.4
192 21.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.028 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.14 min
Lab File: VW008584.D
Acq: 08 Feb 2019 20:33

Tgt Ion: 75 Resp: 33826
Ion Ratio Lower Upper
75 100
110 7.9 17.3 52.0#
77 0.4 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.291 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008584.D

Acq: 08 Feb 2019 20:33

Instrument :

MSVOA_W

ClientSampleId :

SB-04(0-2)RE

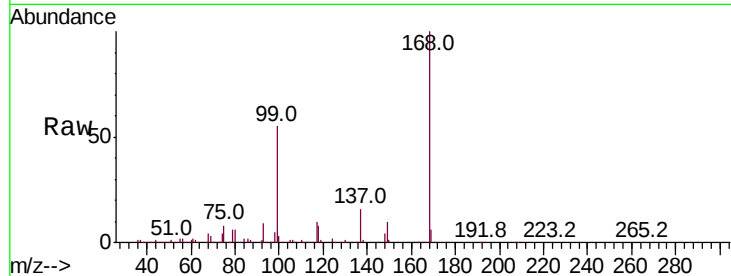
Tot Ion:117 Resp: 42591

Ion Ratio Lower Upper

117 100

119 5.5 75.0 112.4#

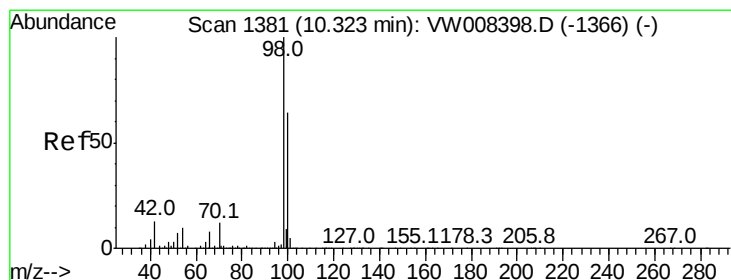
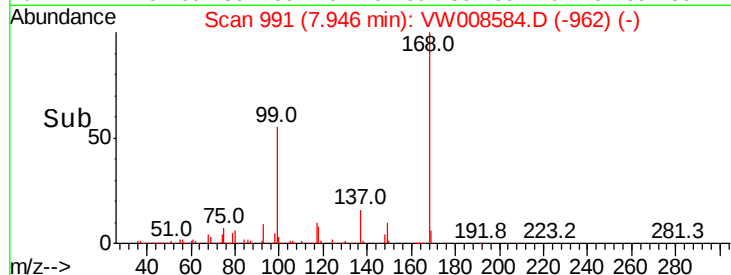
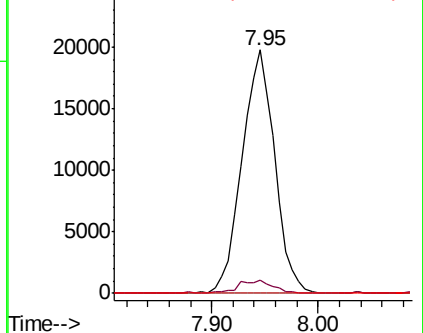
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.559 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008584.D

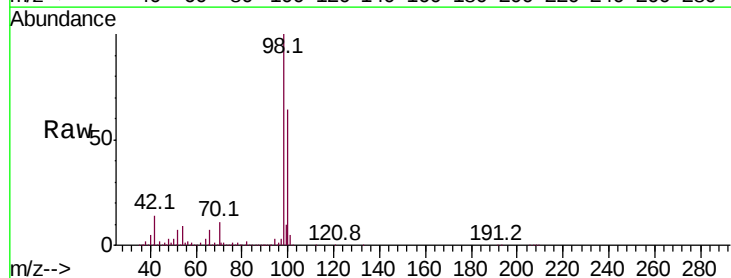
Acq: 08 Feb 2019 20:33

Tgt Ion: 98 Resp: 844398

Ion Ratio Lower Upper

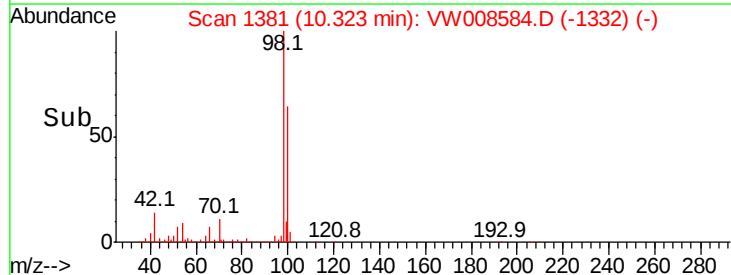
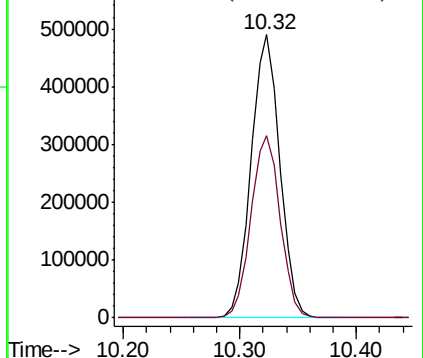
98 100

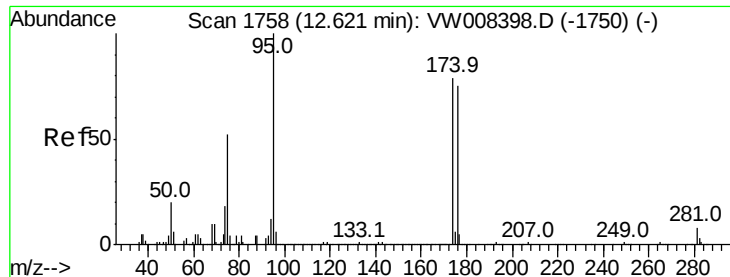
100 65.6 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

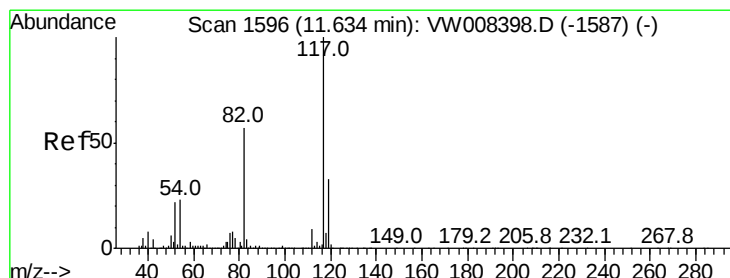
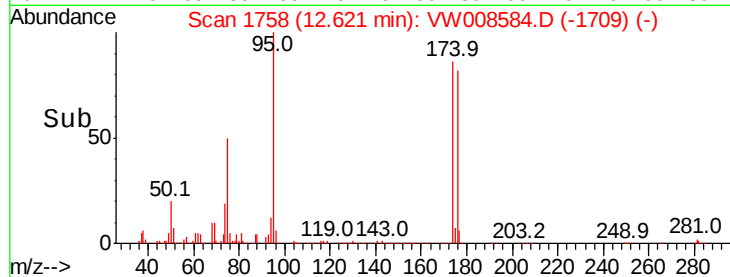
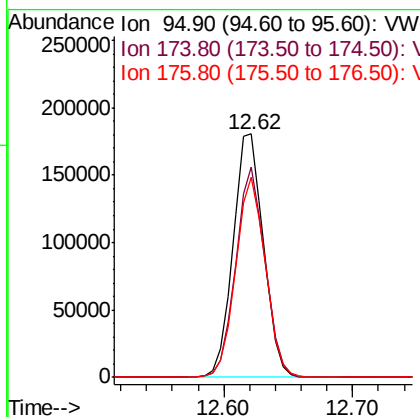
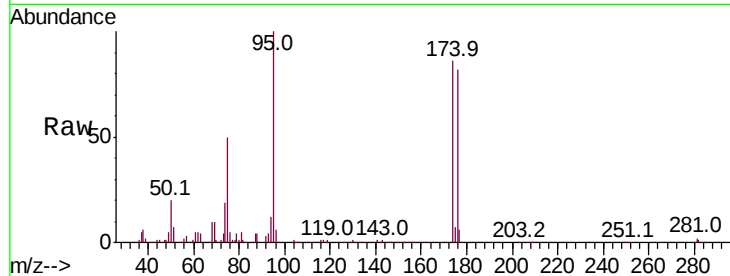




#62
4-Bromofluorobenzene
Concen: 46.098 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008584.D
Acq: 08 Feb 2019 20:33

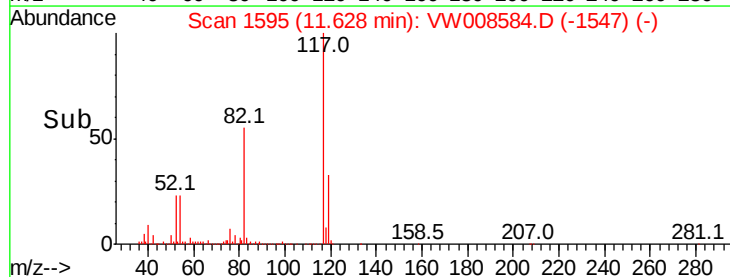
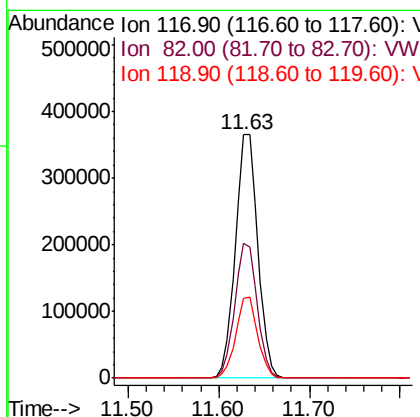
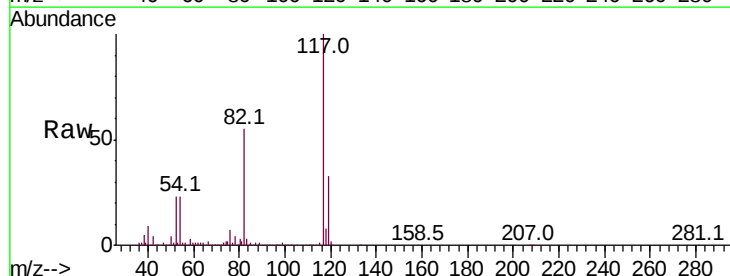
Instrument :
MSVOA_W
ClientSampleId :
SB-04(0-2)RE

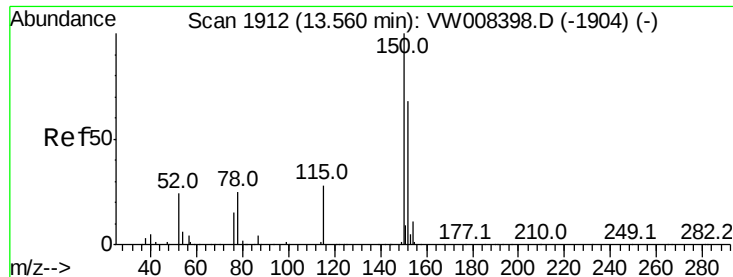
Tot Ion	95	Resp	295938
Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	157.6
176	79.9	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008584.D
Acq: 08 Feb 2019 20:33

Tgt Ion	117	Resp	627171
Ion	Ratio	Lower	Upper
117	100		
82	55.4	45.4	68.0
119	32.6	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: VW008584.D

Acq: 08 Feb 2019 20:33

Instrument :

MSVOA_W

ClientSampleId :

SB-04(0-2)RE

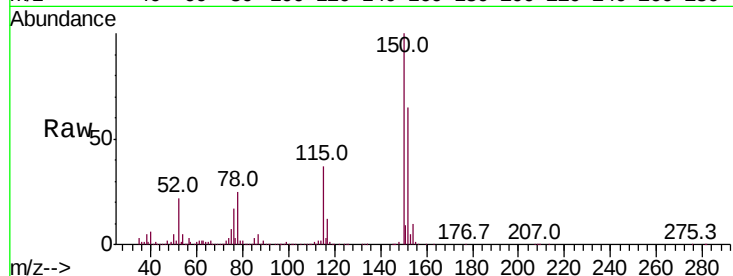
Tot Ion:152 Resp: 281957

Ion Ratio Lower Upper

152 100

115 57.0 29.9 89.7

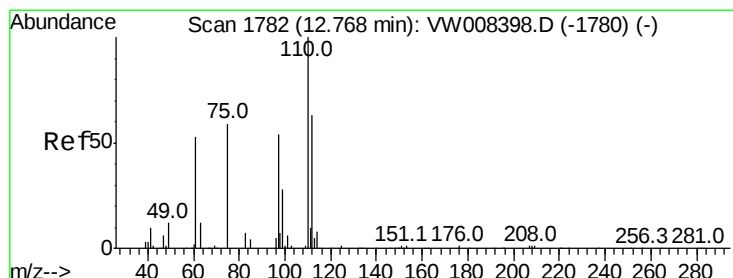
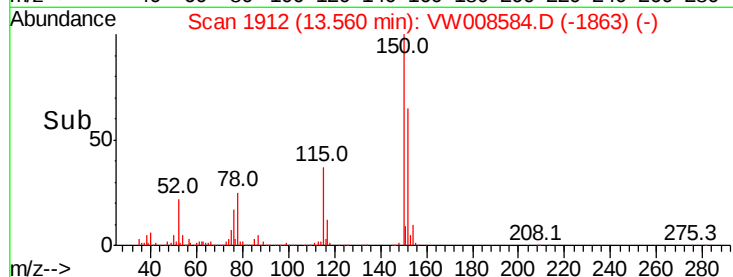
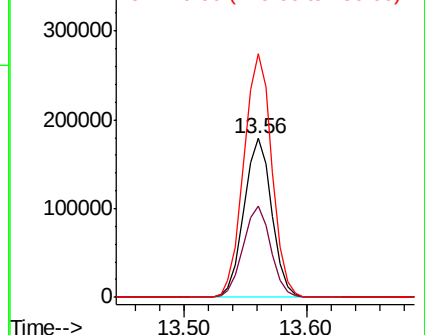
150 154.9 0.0 351.4



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: 62.207 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008584.D

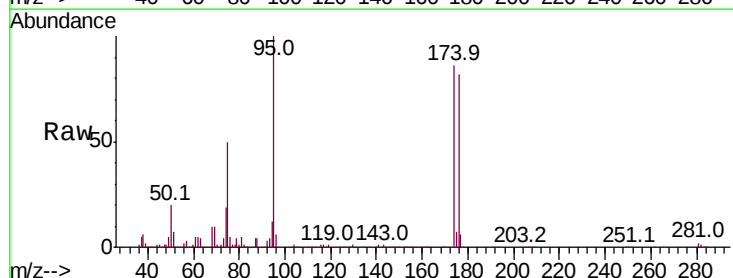
Acq: 08 Feb 2019 20:33

Tgt Ion: 75 Resp: 152495

Ion Ratio Lower Upper

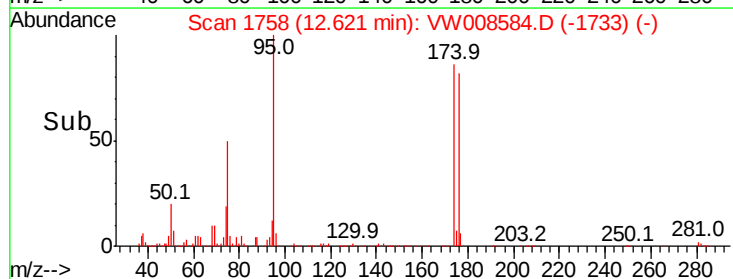
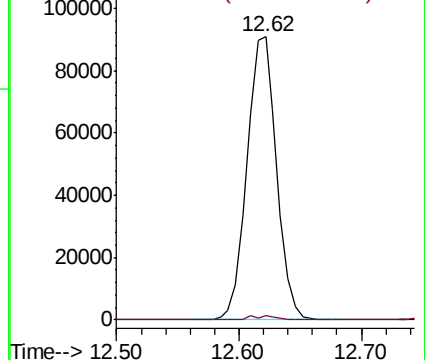
75 100

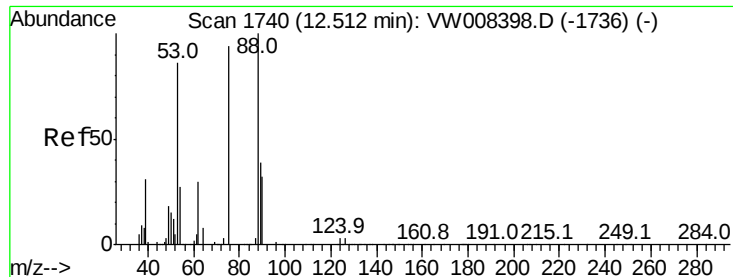
77 1.4 180.7 542.1#



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: 122.863 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008584.D

Acq: 08 Feb 2019 20:33

Instrument :

MSVOA_W

ClientSampleId :

SB-04(0-2)RE

Tot Ion: 75 Resp: 152495

Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.1 35.4 53.0#

