

Data File : VW008620.D
Acq On : 12 Feb 2019 14:05
Operator : SY/VA
Sample : K1458-06
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-4RE

Quant Time: Feb 13 00:20:33 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	401337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	649461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	611127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	321697	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	226728	57.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.00%	
35) Dibromofluoromethane	7.88	113	64129	16.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.78%	
50) Toluene-d8	10.32	98	780624	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.62	95	304891	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	

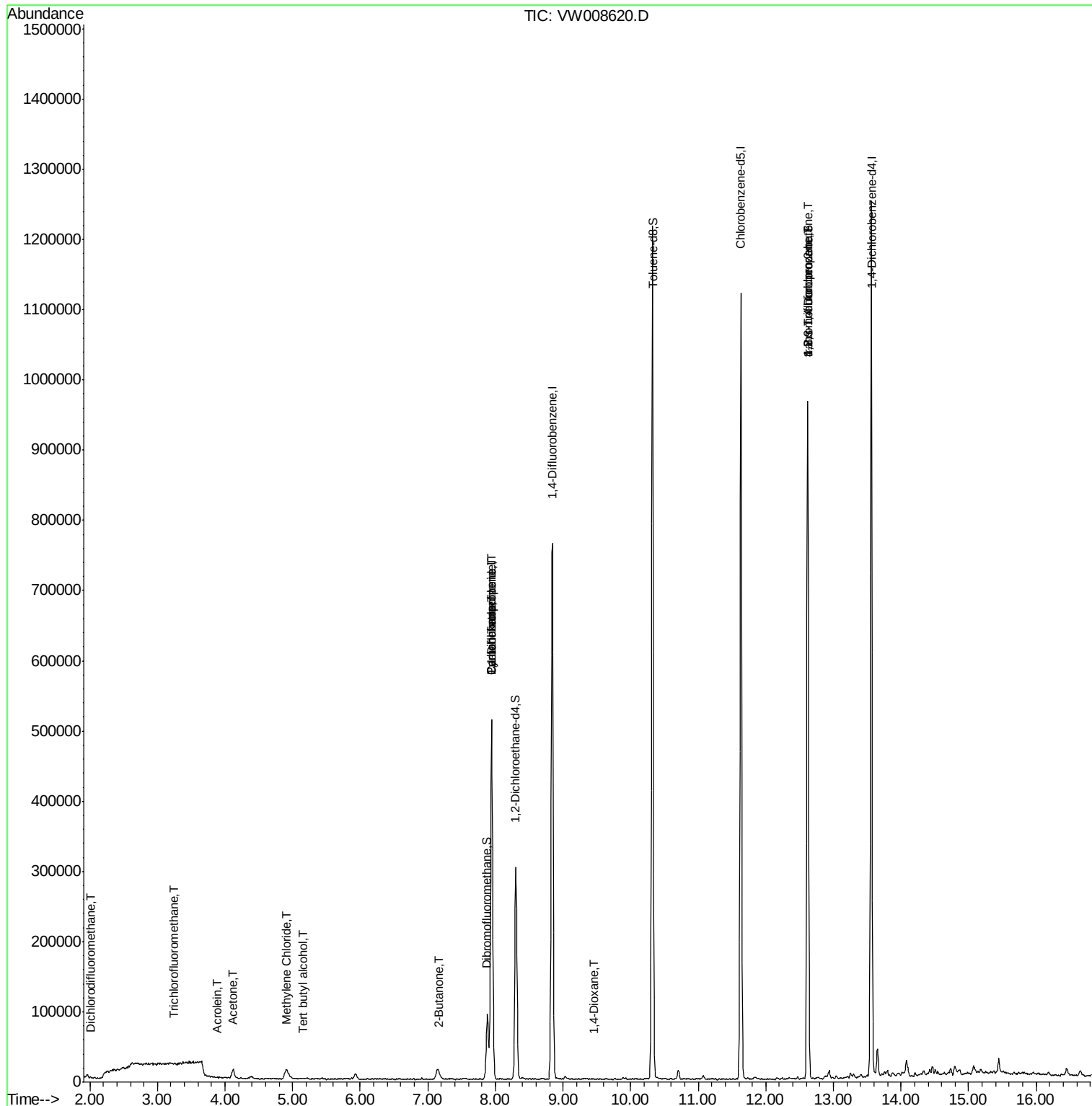
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	256	3.356	ug/l #	6
7) Trichlorofluoromethane	3.25	101	75	4.744	ug/l #	17
11) Tert butyl alcohol	5.17	59	1282	4.039	ug/l #	94
13) Acrolein	3.88	56	174	4.796	ug/l #	14
16) Acetone	4.12	43	22743	25.687	ug/l	96
20) Methylene Chloride	4.91	84	13272	3.252	ug/l #	90
25) 2-Butanone	7.17	43	5124	4.166	ug/l #	84
31) Cyclohexane	7.94	56	9090	1.175	ug/l #	46
36) 1,1-Dichloropropene	7.94	75	29432	4.797	ug/l #	51
38) Carbon Tetrachloride	7.94	117	37201	6.026	ug/l #	19
49) 1,4-Dioxane	9.46	88	38	1.030	ug/l #	64
76) 1,2,3-Trichloropropane	12.62	75	155406	55.563	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	155406	109.741	ug/l #	12

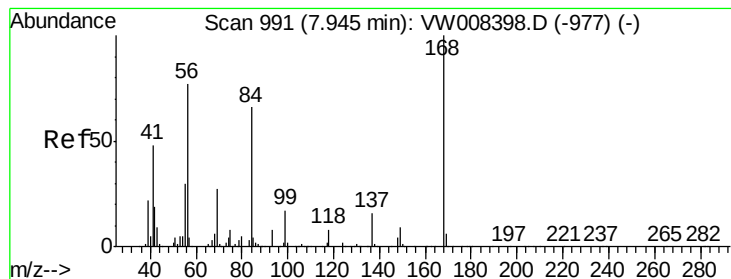
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008620.D

Acq: 12 Feb 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

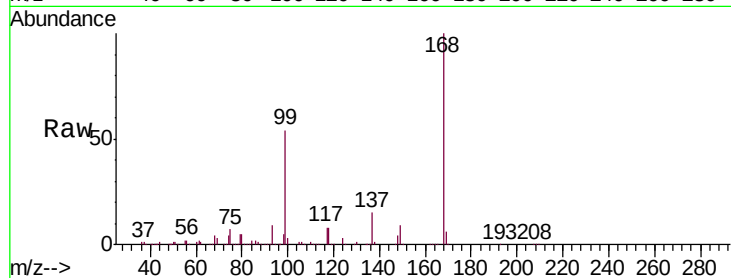
SB-4RE

Tgt Ion:168 Resp: 401337

Ion Ratio Lower Upper

168 100

99 53.8 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

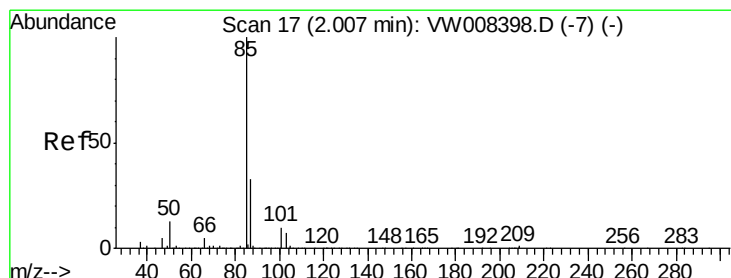
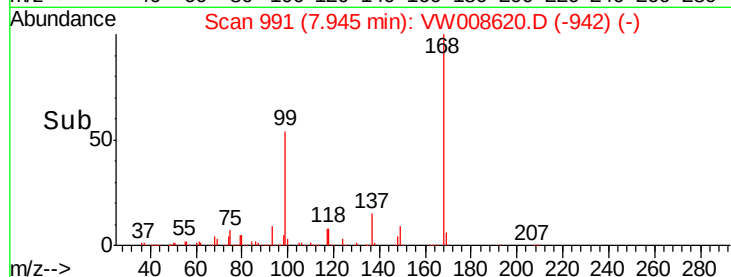
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.356 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008620.D

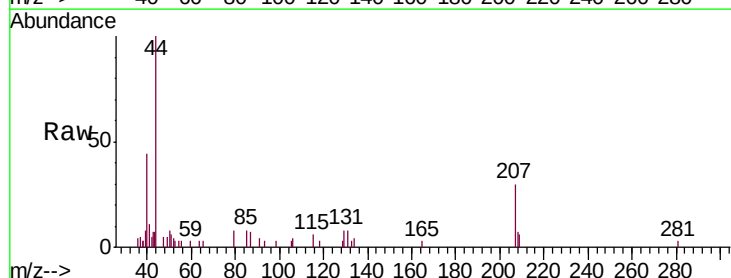
Acq: 12 Feb 2019 14:05

Tgt Ion: 85 Resp: 256

Ion Ratio Lower Upper

85 100

87 86.6 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

250

200

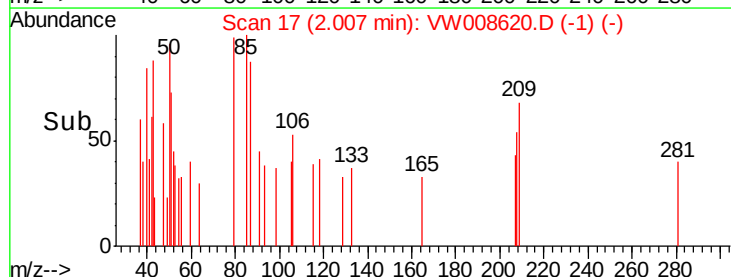
150

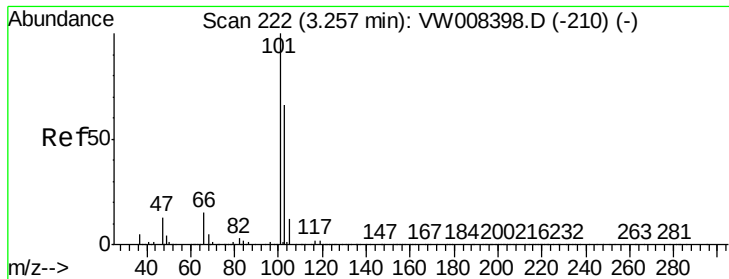
100

50

0

Time--> 1.98 2.00 2.02 2.04



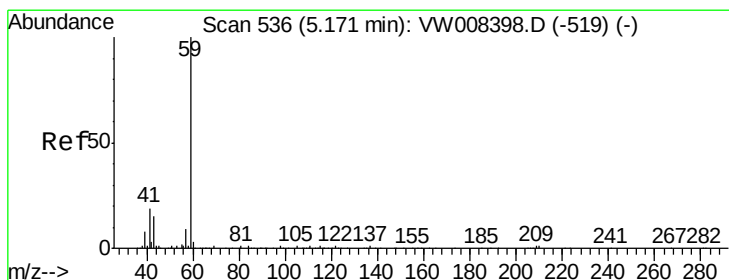
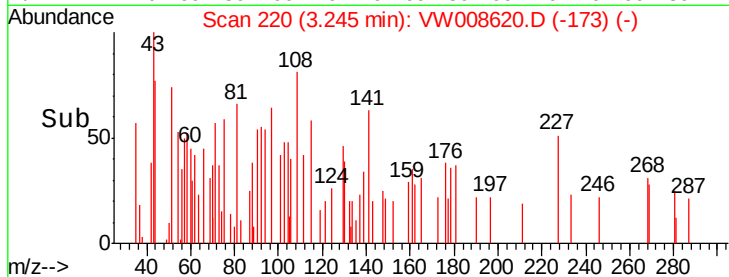
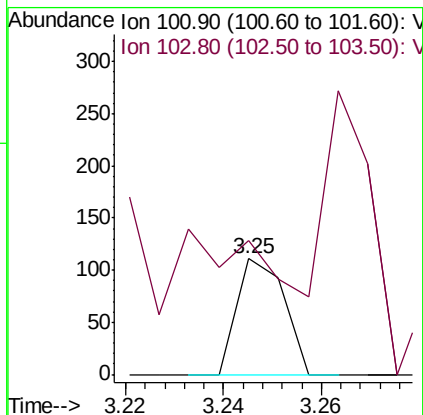
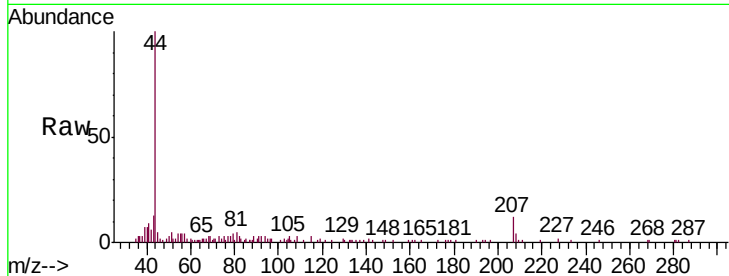


#7

Trichlorofluoromethane
Concen: 4.744 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008620.D
Acq: 12 Feb 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
SB-4RE

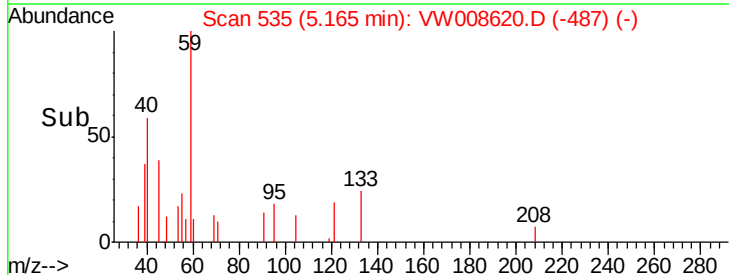
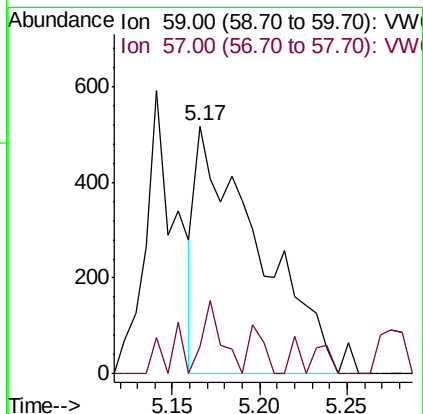
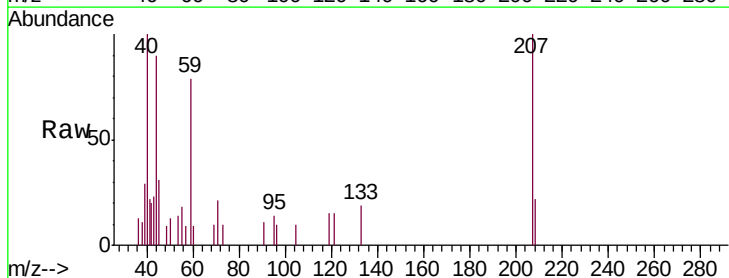
Tgt Ion: 101 Resp: 75
Ion Ratio Lower Upper
101 100
103 0.0 52.5 78.7#

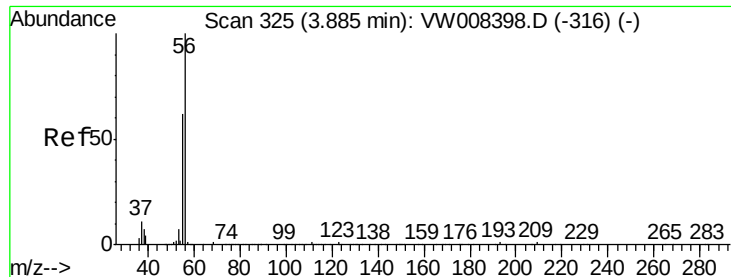


#11

Tert butyl alcohol
Concen: 4.039 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008620.D
Acq: 12 Feb 2019 14:05

Tgt Ion: 59 Resp: 1282
Ion Ratio Lower Upper
59 100
57 9.2 9.3 13.9#

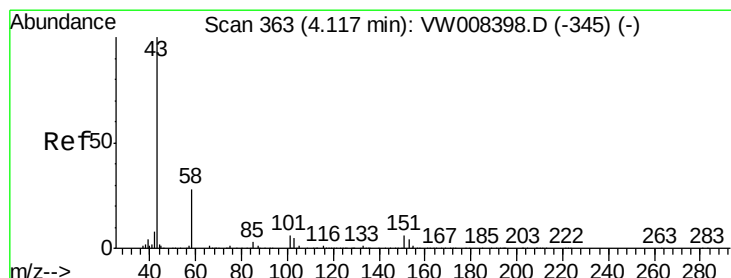
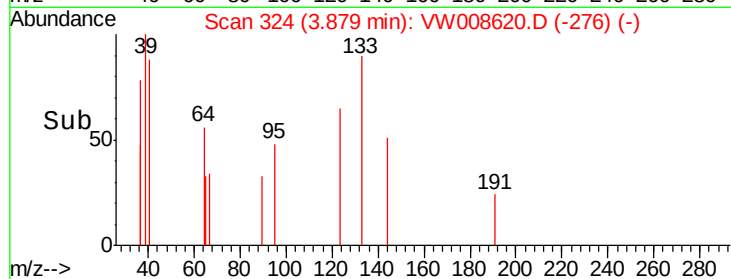
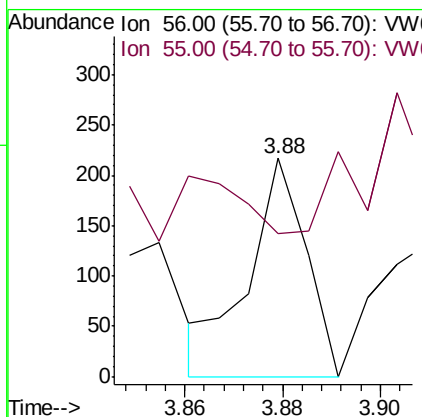
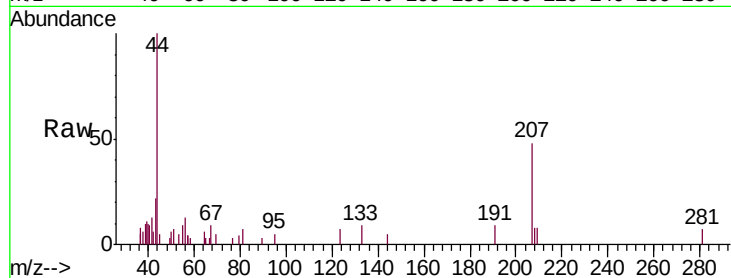




#13
Acrolein
Concen: 4.796 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008620.D
Acq: 12 Feb 2019 14:05

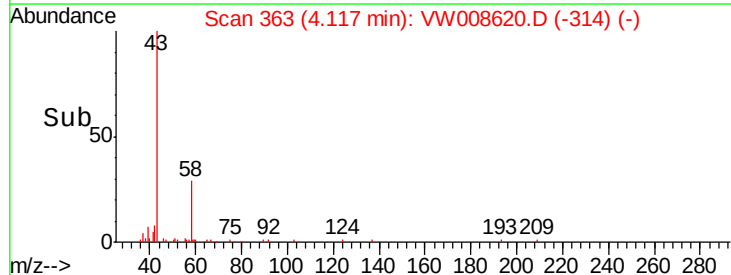
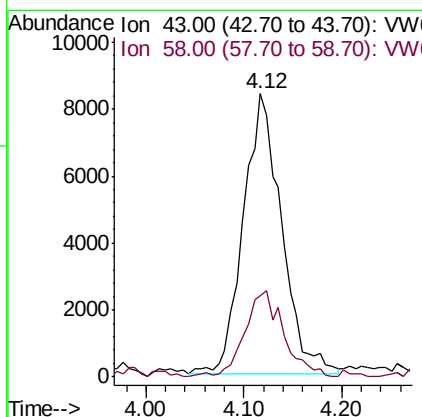
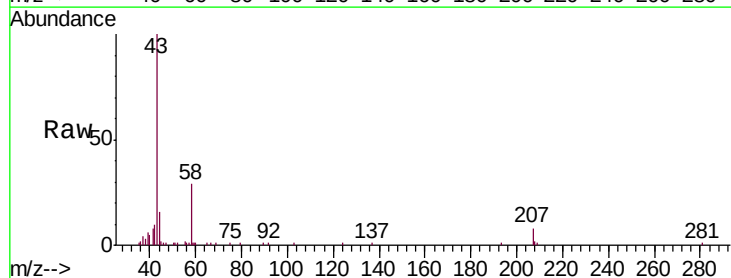
Instrument :
MSVOA_W
ClientSampled :
SB-4RE

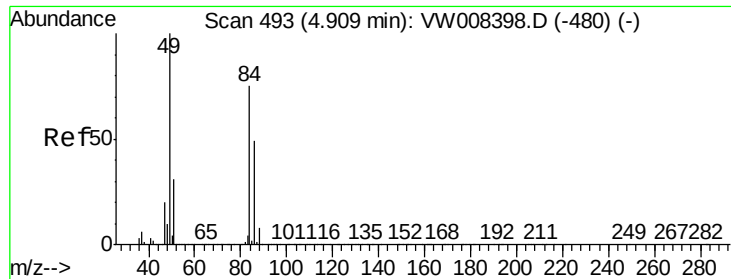
Tgt Ion: 56 Resp: 174
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#



#16
Acetone
Concen: 25.687 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW008620.D
Acq: 12 Feb 2019 14:05

Tgt Ion: 43 Resp: 22743
Ion Ratio Lower Upper
43 100
58 30.4 22.6 34.0

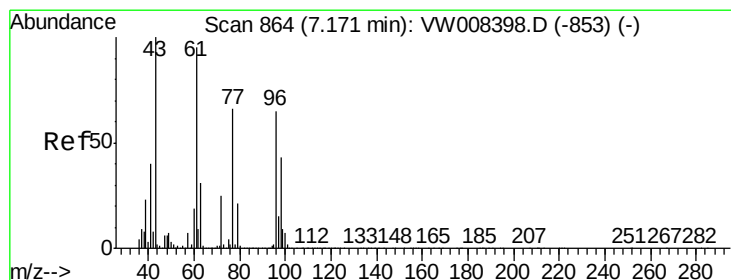
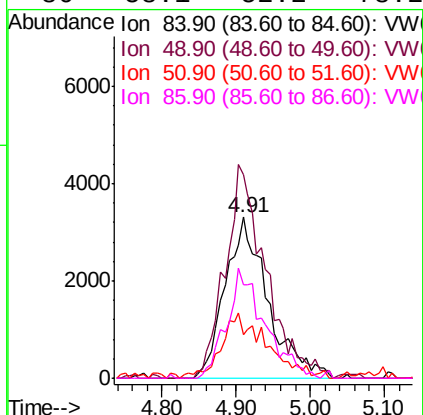
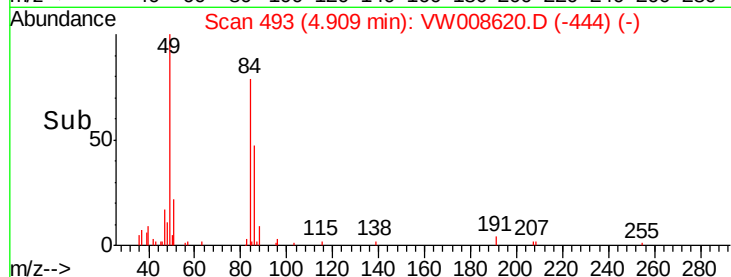
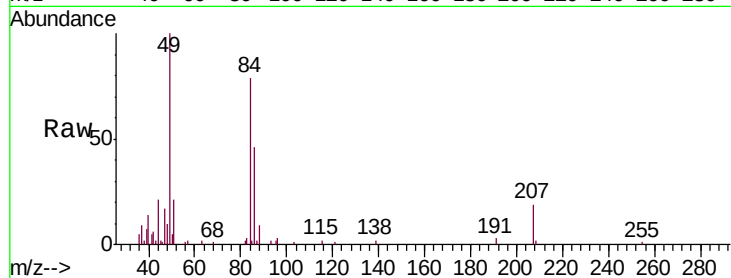




#20
Methylene Chloride
Concen: 3.252 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008620.D
Acq: 12 Feb 2019 14:05

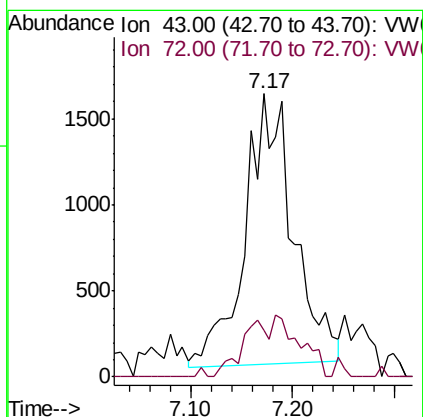
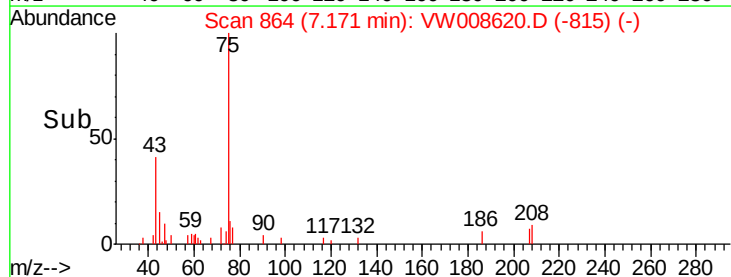
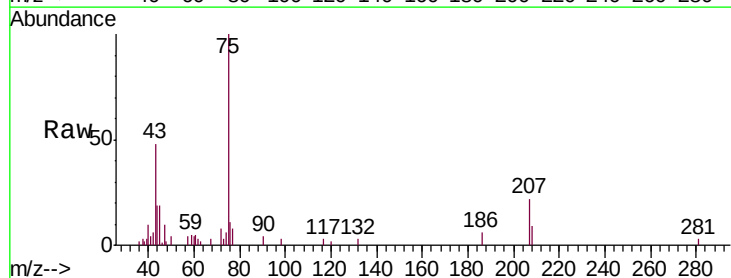
Instrument :
MSVOA_W
ClientSampleId :
SB-4RE

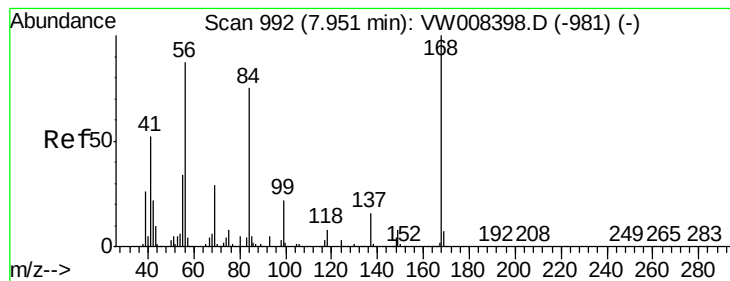
Tgt Ion: 84 Resp: 13272
Ion Ratio Lower Upper
84 100
49 126.3 106.8 160.2
51 27.2 32.9 49.3#
86 58.1 52.2 78.2



#25
2-Butanone
Concen: 4.166 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008620.D
Acq: 12 Feb 2019 14:05

Tgt Ion: 43 Resp: 5124
Ion Ratio Lower Upper
43 100
72 17.3 20.1 30.1#





#31

Cyclohexane

Concen: 1.175 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008620.D

Acq: 12 Feb 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

SB-4RE

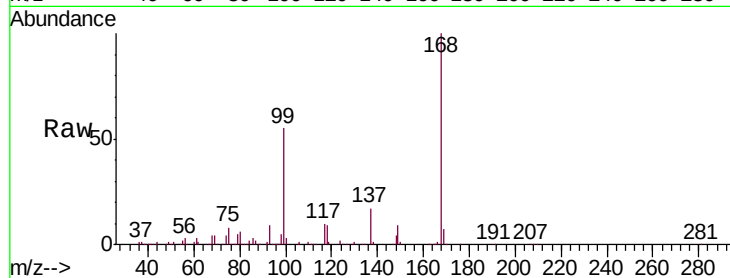
Tgt Ion: 56 Resp: 9090

Ion Ratio Lower Upper

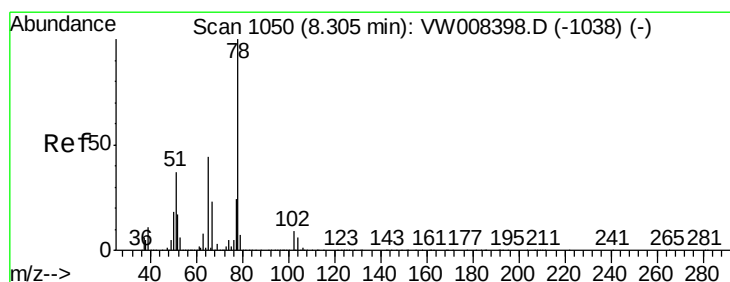
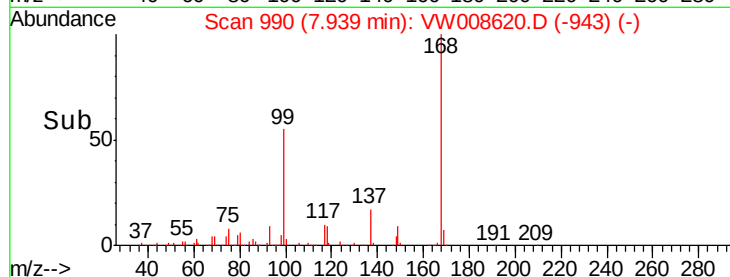
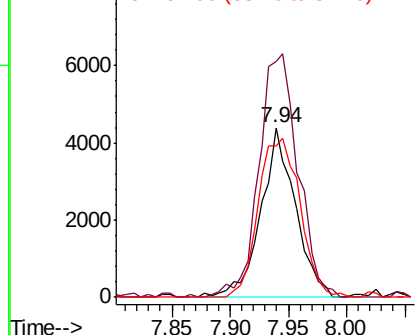
56 100

69 139.1 26.4 39.6#

84 89.2 69.1 103.7



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 57.505 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008620.D

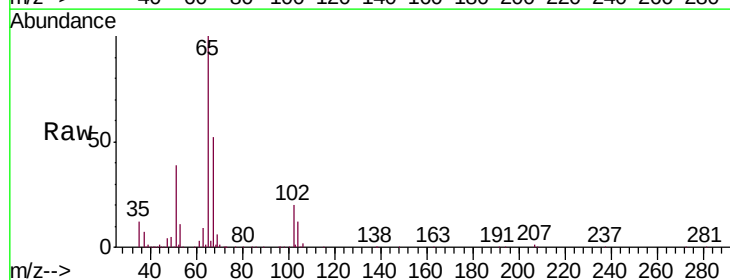
Acq: 12 Feb 2019 14:05

Tgt Ion: 65 Resp: 226728

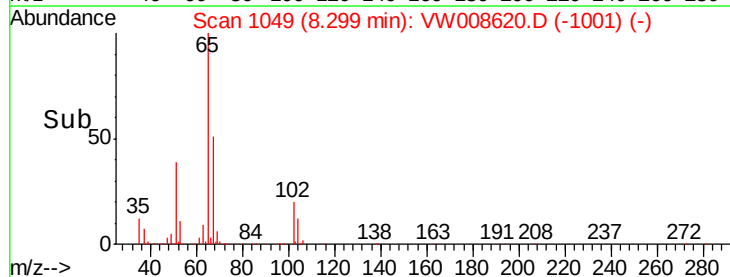
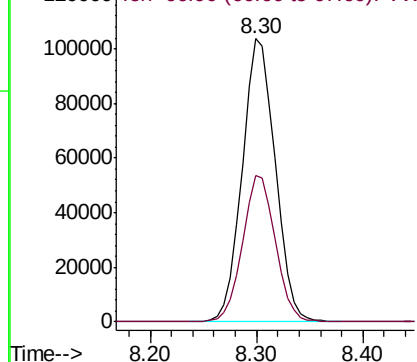
Ion Ratio Lower Upper

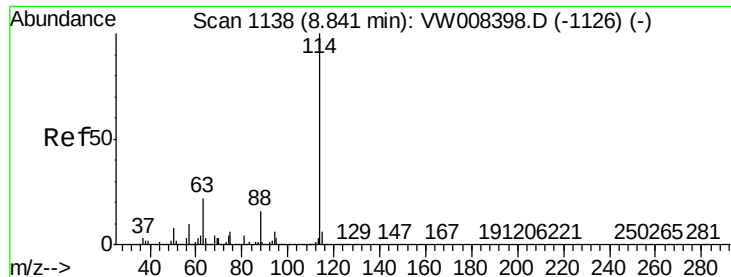
65 100

67 51.3 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008620.D

Acq: 12 Feb 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

SB-4RE

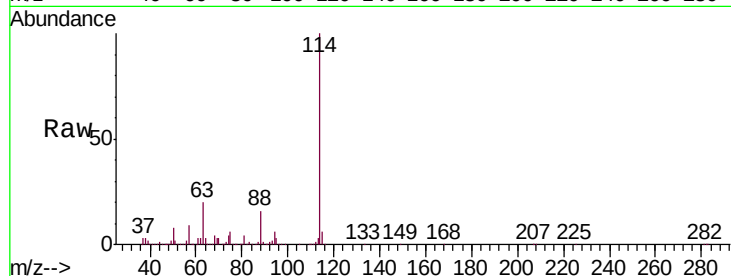
Tgt Ion:114 Resp: 649461

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.6

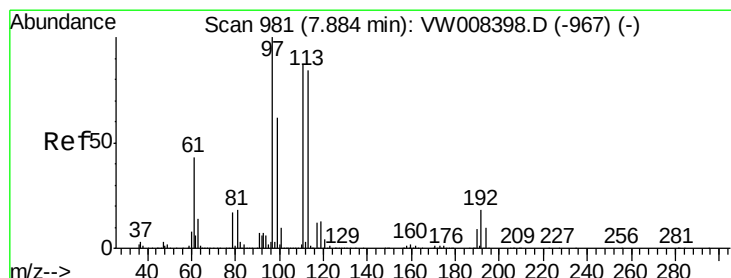
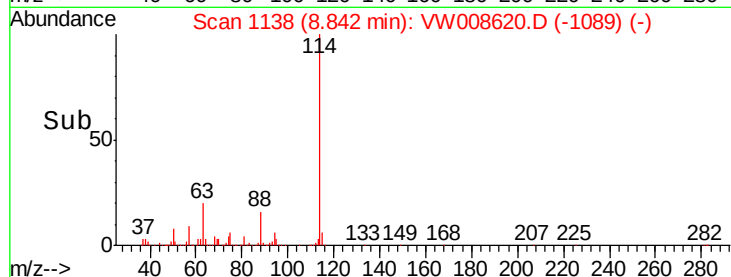
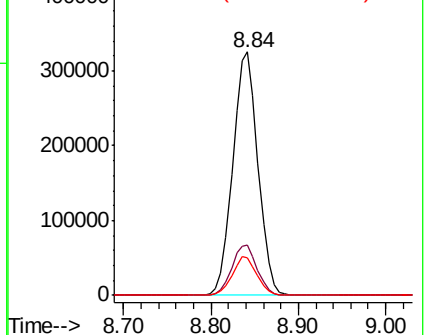
88 15.6 0.0 31.8



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: 16.887 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008620.D

Acq: 12 Feb 2019 14:05

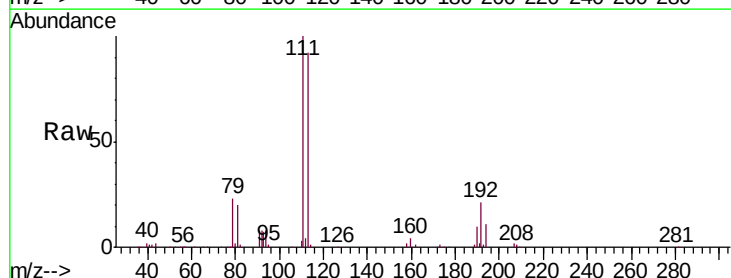
Tgt Ion:113 Resp: 64129

Ion Ratio Lower Upper

113 100

111 102.9 81.0 121.4

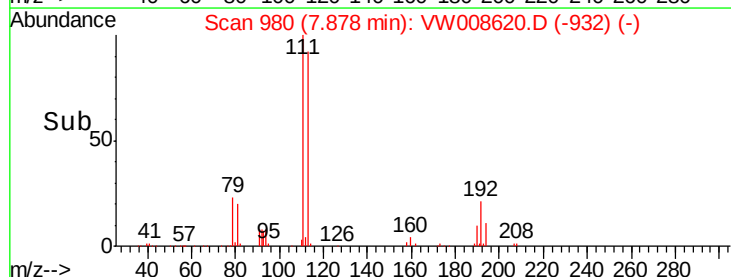
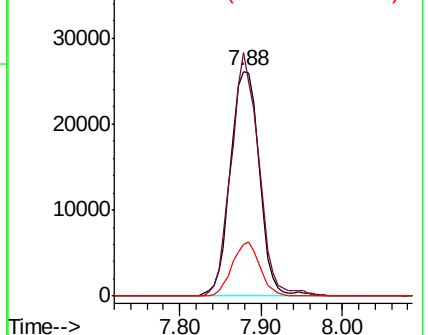
192 23.0 16.8 25.2

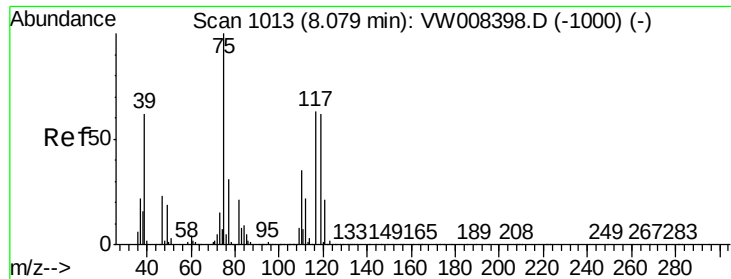


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

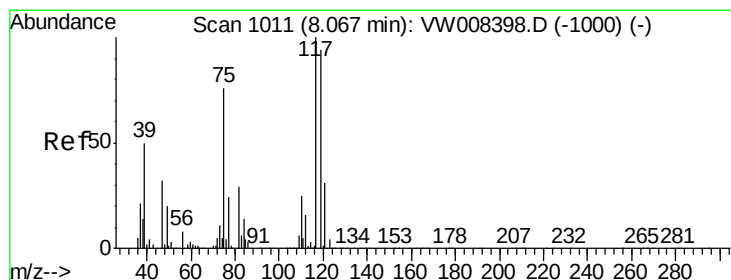
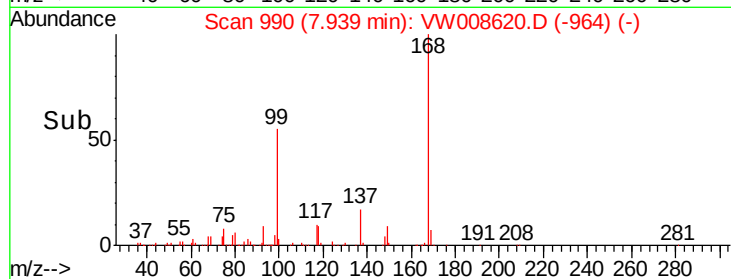
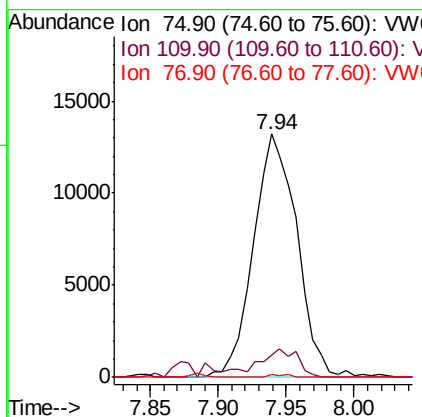
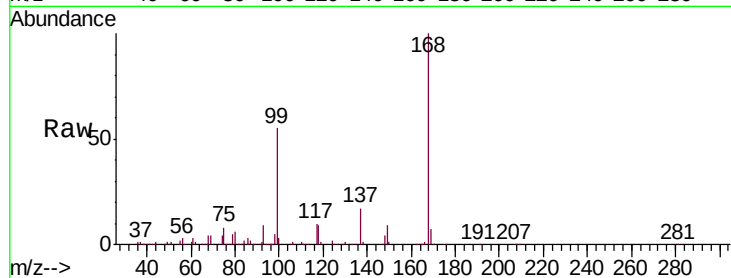




#36
 1,1-Dichloropropene
 Concen: 4.797 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008620.D
 Acq: 12 Feb 2019 14:05

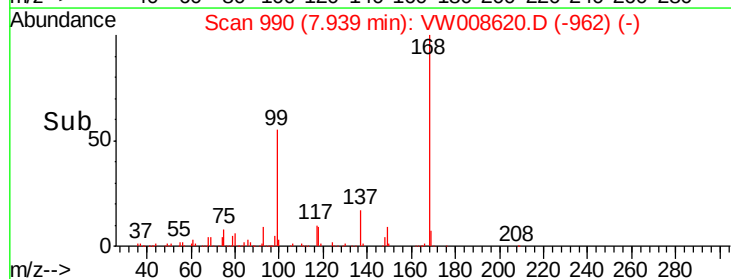
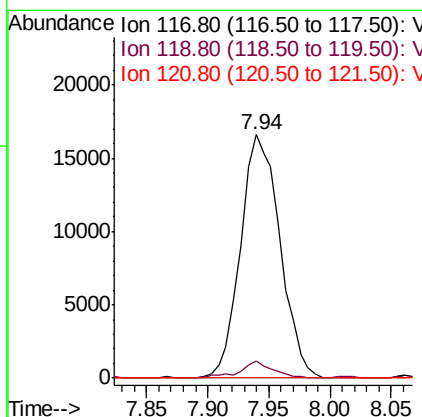
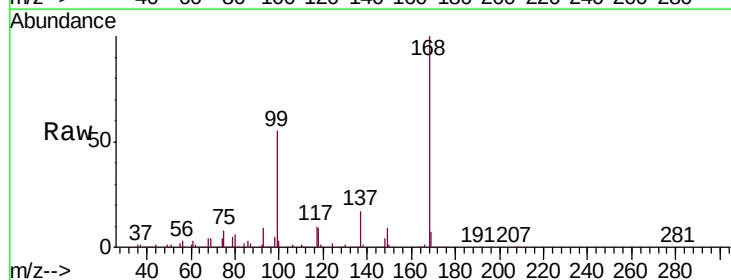
Instrument :
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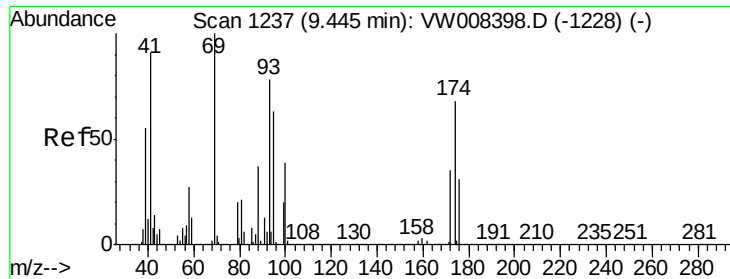
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.3	52.0#
77	0.5	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.026 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW008620.D
 Acq: 12 Feb 2019 14:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.2	75.0	112.4#
121	0.0	24.9	37.3#

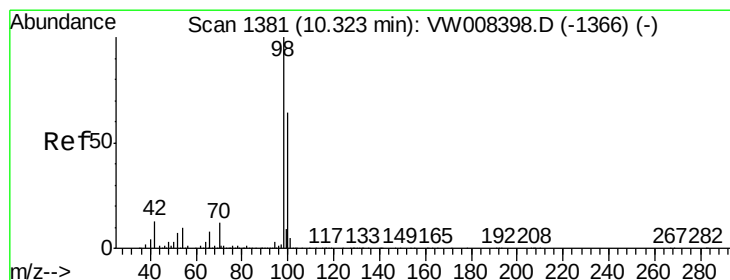
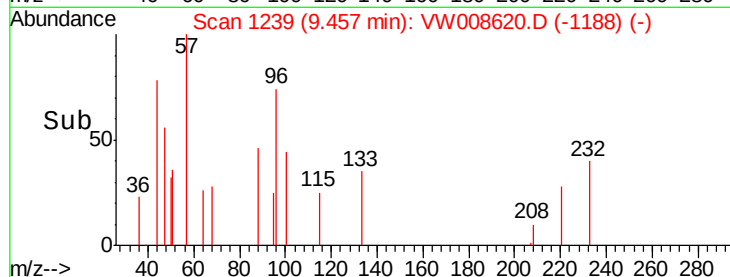
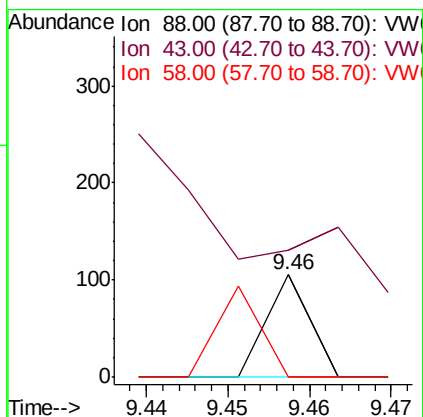
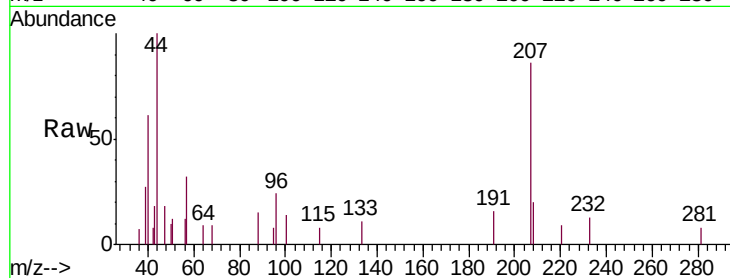




#49
1,4-Dioxane
Concen: 1.030 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008620.D
Acq: 12 Feb 2019 14:05

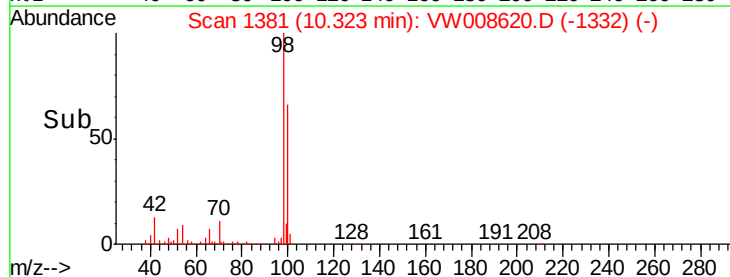
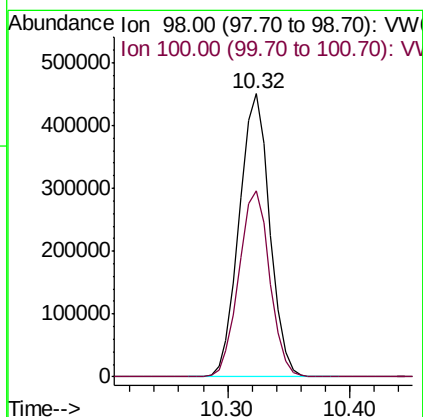
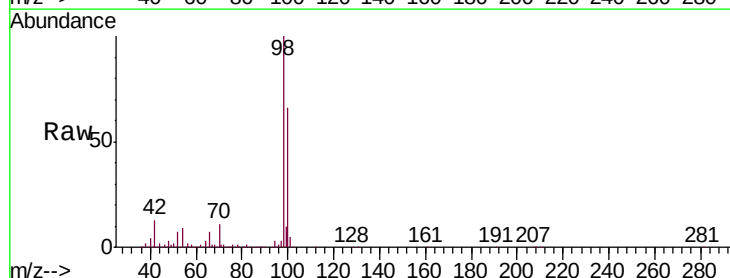
Instrument :
MSVOA_W
ClientSampled :
SB-4RE

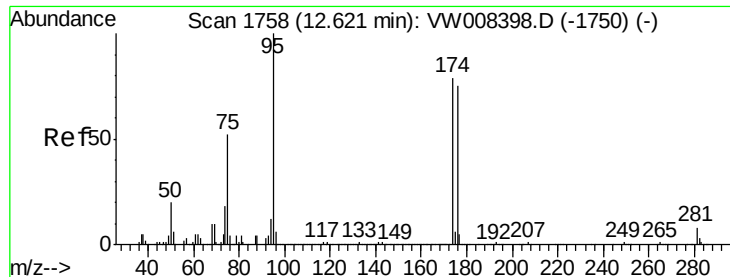
Tgt Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 89.5 56.4 84.6#



#50
Toluene-d8
Concen: 51.260 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008620.D
Acq: 12 Feb 2019 14:05

Tgt Ion: 98 Resp: 780624
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8

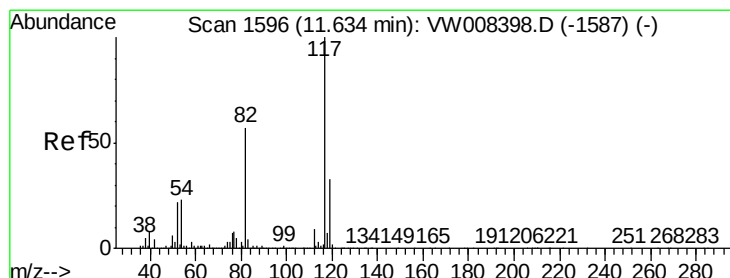
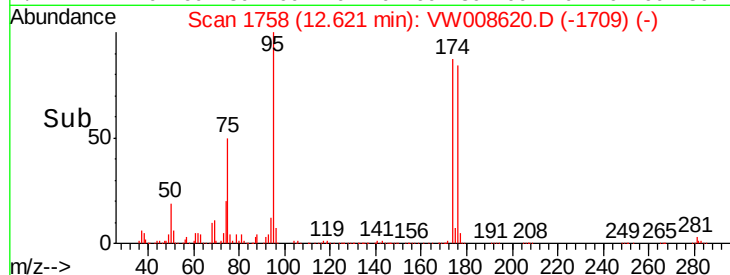
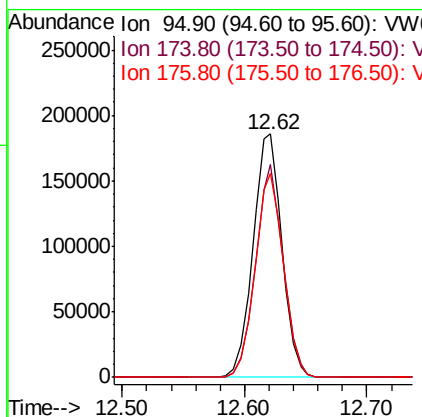
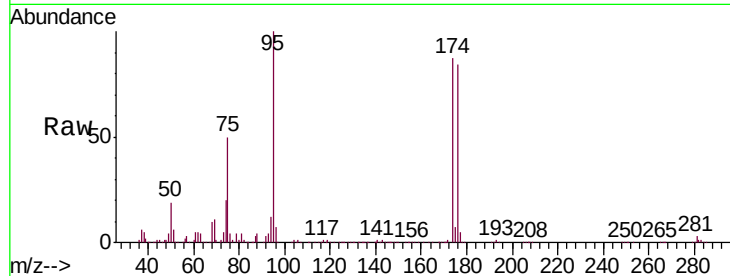




#62
4-Bromofluorobenzene
Concen: 52.086 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008620.D
Acq: 12 Feb 2019 14:05

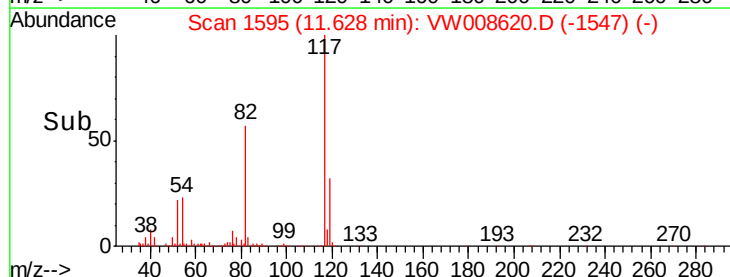
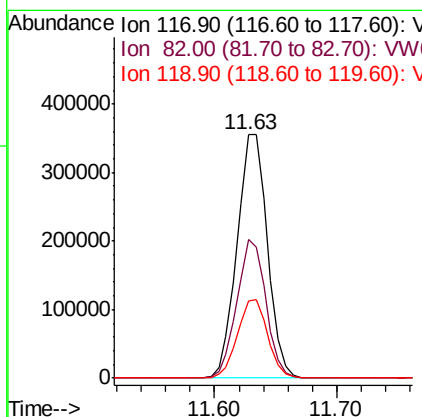
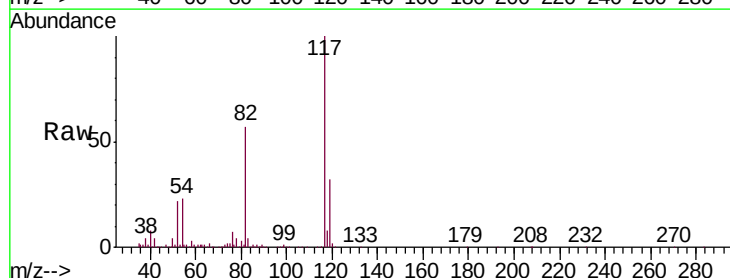
Instrument :
MSVOA_W
ClientSampleId :
SB-4RE

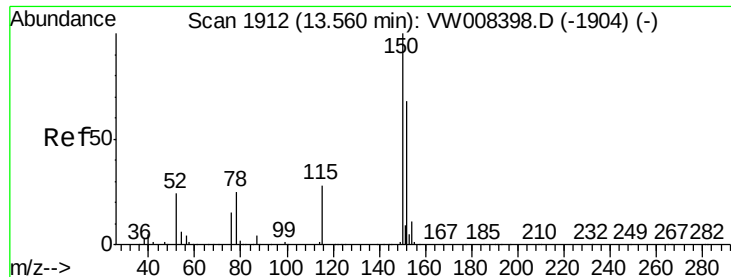
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	157.6
176	82.3	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008620.D
Acq: 12 Feb 2019 14:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.4	68.0
119	31.9	26.2	39.4

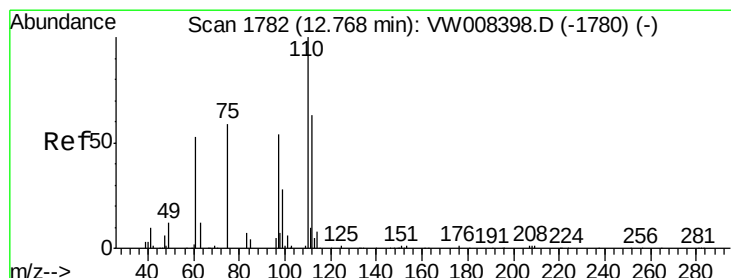
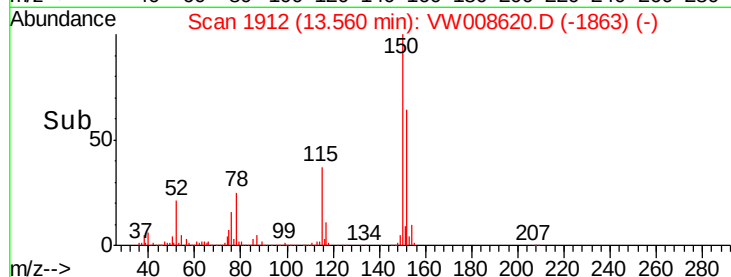
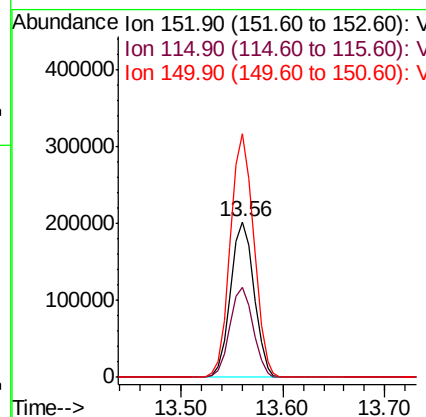
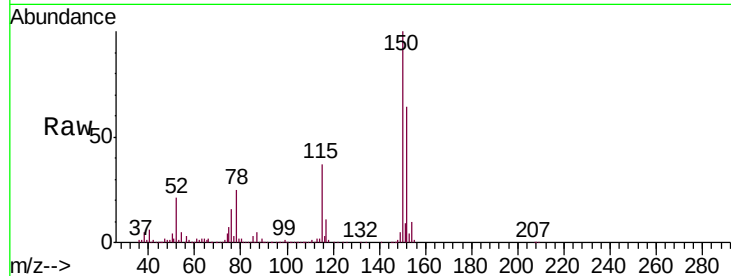




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008620.D
 Acq: 12 Feb 2019 14:05

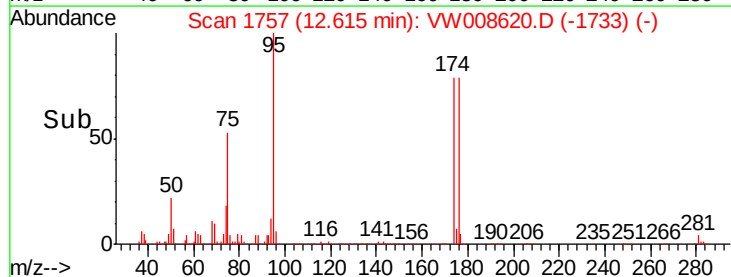
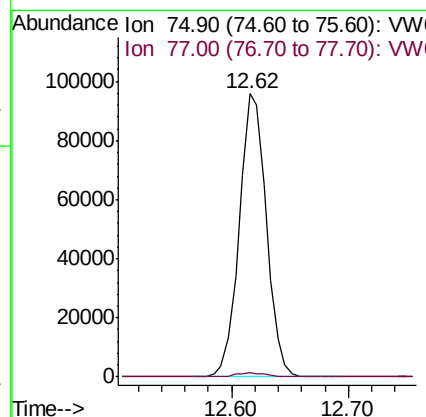
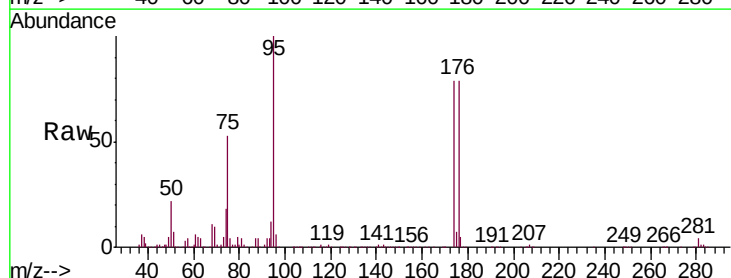
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4RE

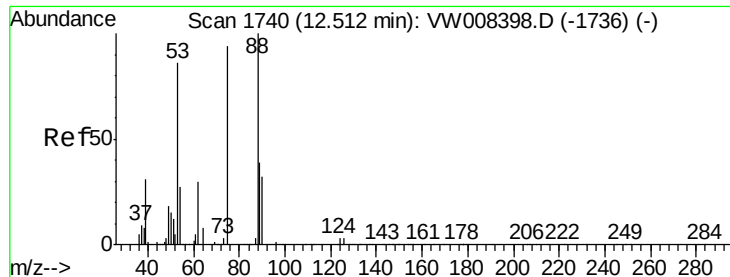
Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.9	89.7
150	156.6	0.0	351.4



#76
 1,2,3-Trichloropropane
 Concen: 55.563 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW008620.D
 Acq: 12 Feb 2019 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	180.7	542.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 109.741 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008620.D

Acq: 12 Feb 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

SB-4RE

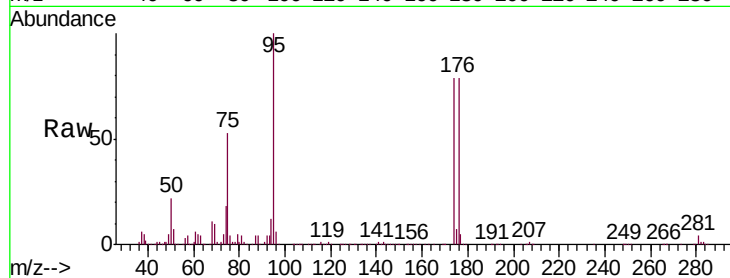
Tgt Ion: 75 Resp: 155406

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.0 35.4 53.0#



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

