

Data File : VW008260.D
Acq On : 14 Jan 2019 21:05
Operator : SY/VA
Sample : K1139-05RE
Misc : 6.34G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-3RE

Quant Time: Jan 14 22:27:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	32465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	52616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	39571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	10481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	18926	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	7.88	113	18329	59.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.46%	
50) Toluene-d8	10.32	98	63559	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.62	95	13318	28.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.70%	

Target Compounds

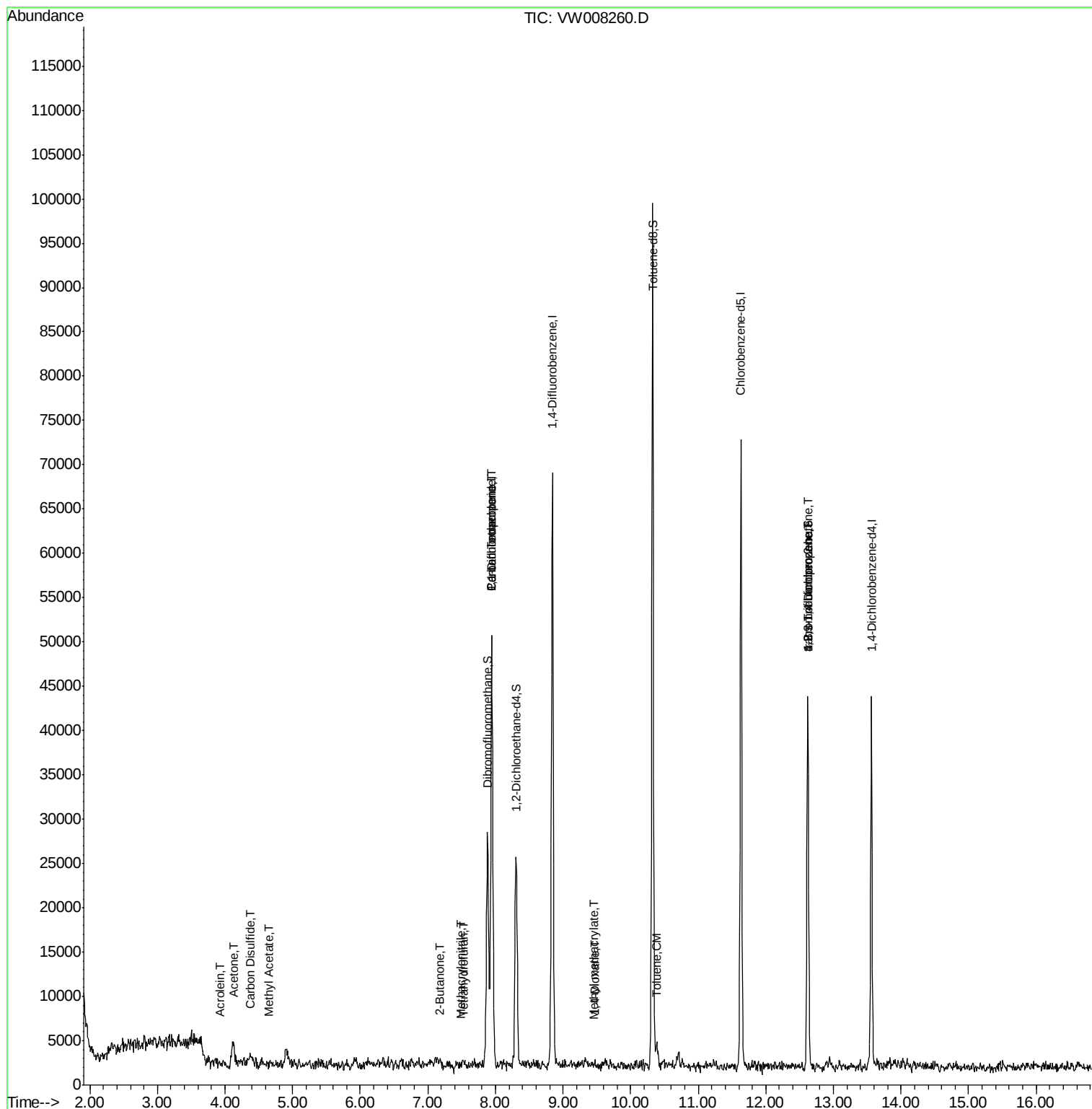
					Qvalue
11) Tert butyl alcohol	5.25	59	21	Below Cal	# 100
13) Acrolein	3.92	56	138	4.209	ug/l # 74
16) Acetone	4.12	43	4669	54.663	ug/l 94
17) Carbon Disulfide	4.37	76	1518	1.367	ug/l # 85
18) Methyl Acetate	4.65	43	311	1.349	ug/l # 65
20) Methylene Chloride	4.91	84	720	Below Cal	96
25) 2-Butanone	7.17	43	143	1.409	ug/l # 54
29) Tetrahydrofuran	7.53	42	153	2.256	ug/l # 35
36) 1,1-Dichloropropene	7.95	75	2989	5.515	ug/l # 51
38) Carbon Tetrachloride	7.95	117	3464	6.983	ug/l # 23
41) Methacrylonitrile	7.48	41	147	1.072	ug/l # 1
48) Methyl methacrylate	9.46	41	417	2.036	ug/l # 16
49) 1,4-Dioxane	9.46	88	117	40.641	ug/l # 11
52) Toluene	10.38	92	1028	1.095	ug/l 81
76) 1,2,3-Trichloropropane	12.62	75	7238	75.754	ug/l # 1
81) trans-1,4-Dichloro-2-buten	12.62	75	7238	176.409	ug/l # 12

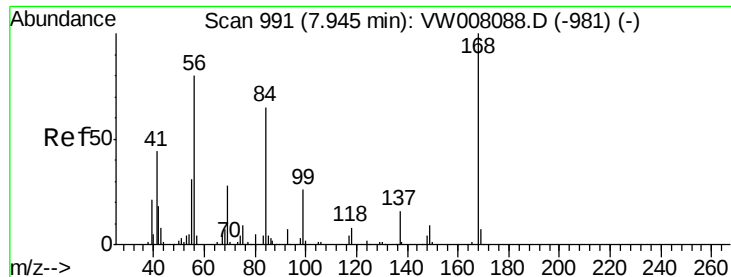
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008260.D

Acq: 14 Jan 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

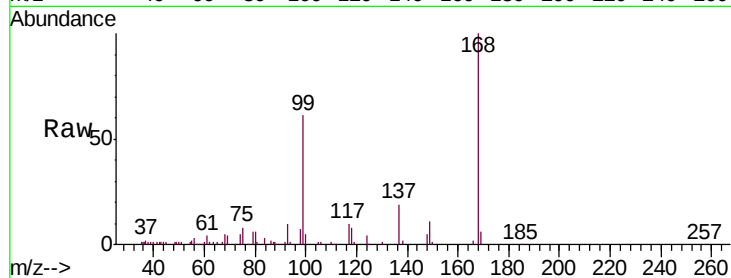
S-3RE

Tgt Ion:168 Resp: 32465

Ion Ratio Lower Upper

168 100

99 60.2 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

15000

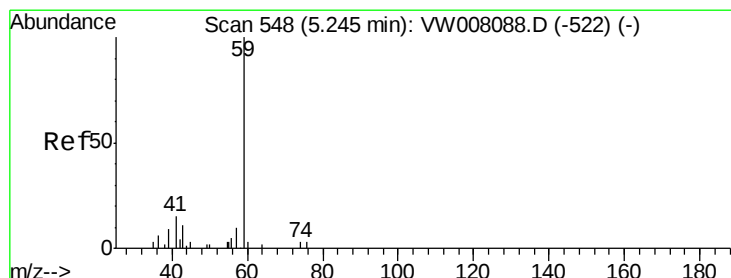
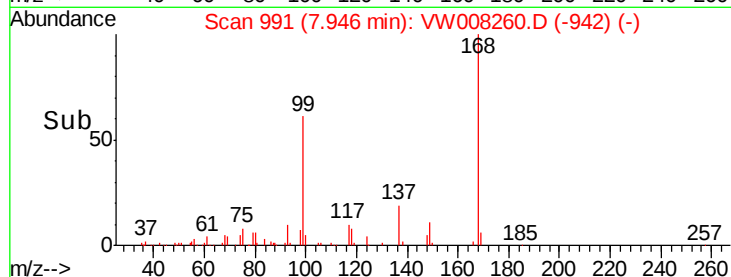
10000

5000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.25 min Scan# 549

Delta R.T. 0.01 min

Lab File: VW008260.D

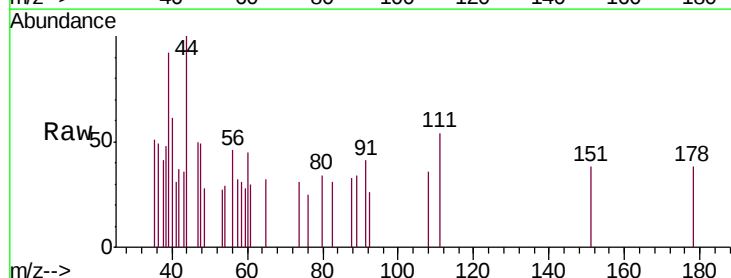
Acq: 14 Jan 2019 21:05

Tgt Ion: 59 Resp: 21

Ion Ratio Lower Upper

59 100

57 114.3 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.25

60

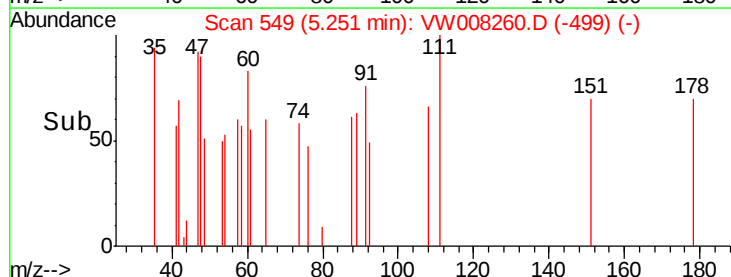
40

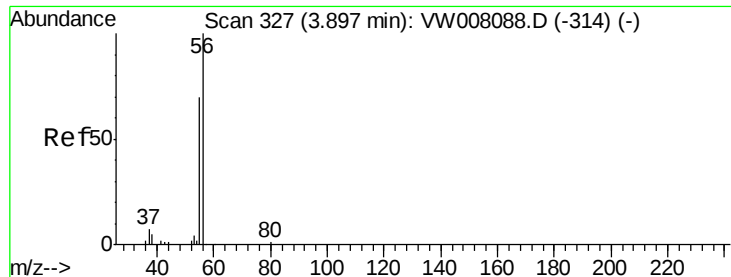
20

0

5.23 5.24 5.25 5.26 5.27

Time-->





#13

Acrolein

Concen: 4.209 ug/l

RT: 3.92 min Scan# 331

Delta R.T. 0.02 min

Lab File: VW008260.D

Acq: 14 Jan 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

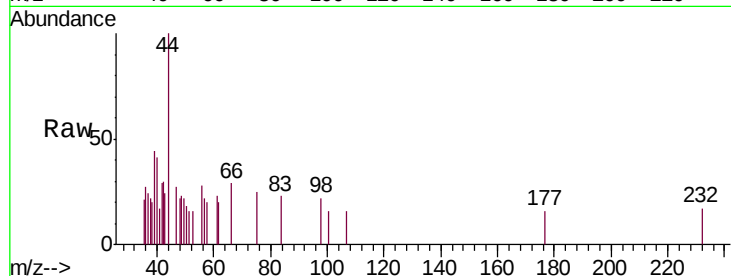
S-3RE

Tgt Ion: 56 Resp: 138

Ion Ratio Lower Upper

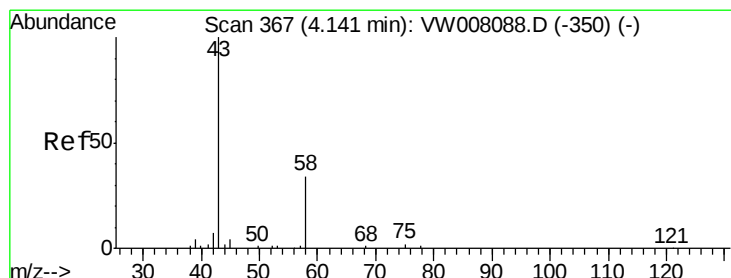
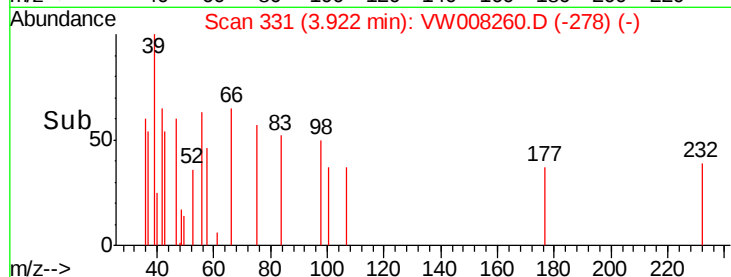
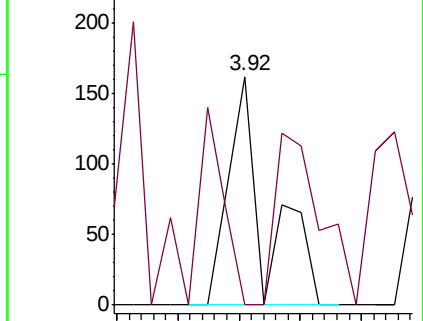
56 100

55 92.0 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 54.663 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW008260.D

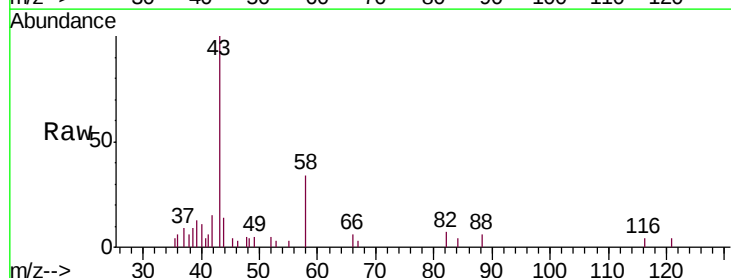
Acq: 14 Jan 2019 21:05

Tgt Ion: 43 Resp: 4669

Ion Ratio Lower Upper

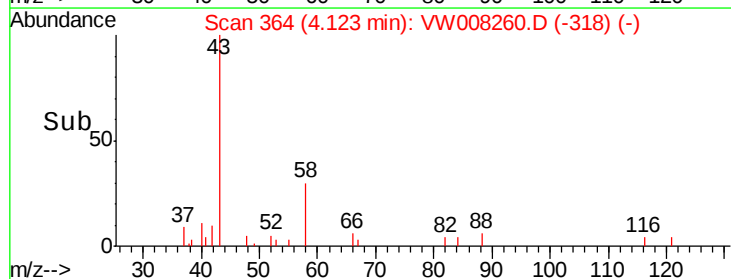
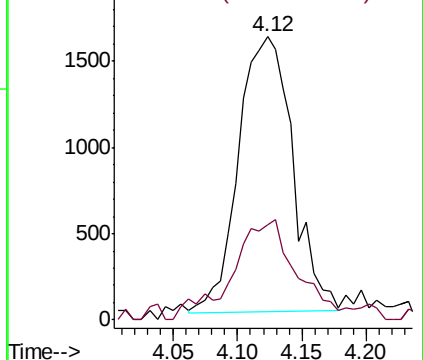
43 100

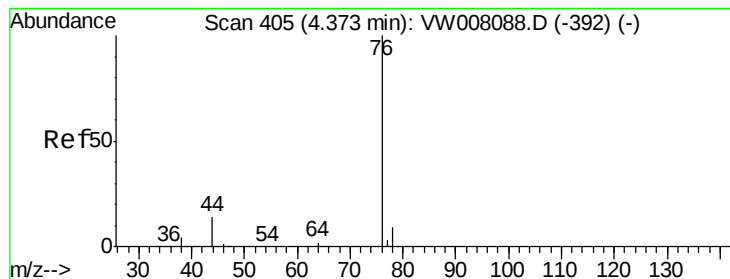
58 31.2 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.367 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008260.D

Acq: 14 Jan 2019 21:05

Instrument :

MSVOA_W

ClientSampled :

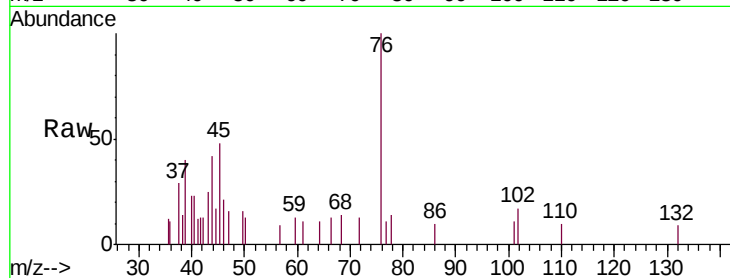
S-3RE

Tgt Ion: 76 Resp: 1518

Ion Ratio Lower Upper

76 100

78 14.1 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

600

500

400

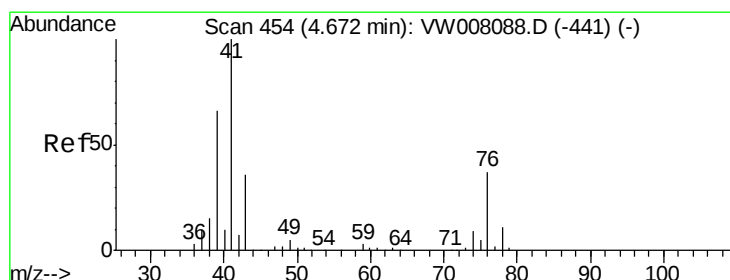
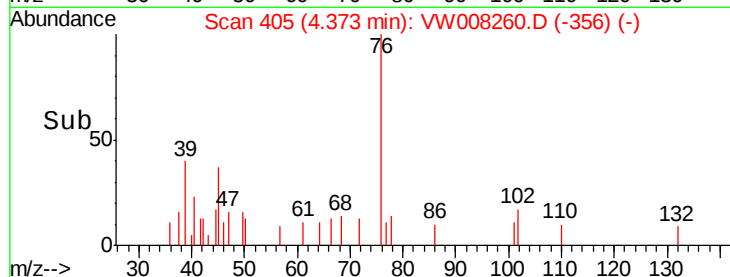
300

200

100

0

Time-->



#18

Methyl Acetate

Concen: 1.349 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.02 min

Lab File: VW008260.D

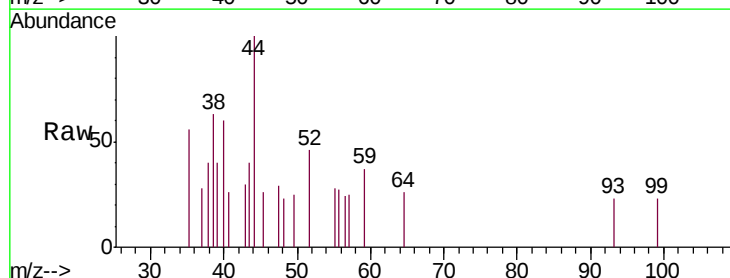
Acq: 14 Jan 2019 21:05

Tgt Ion: 43 Resp: 311

Ion Ratio Lower Upper

43 100

74 6.8 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.65

200

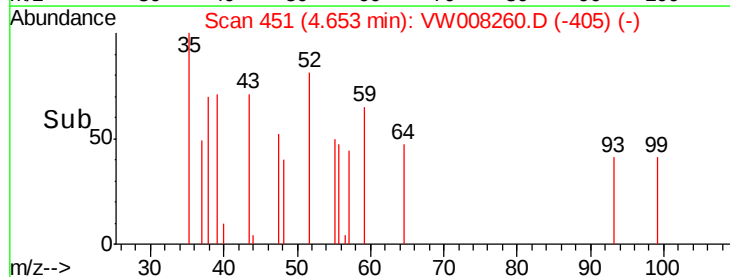
150

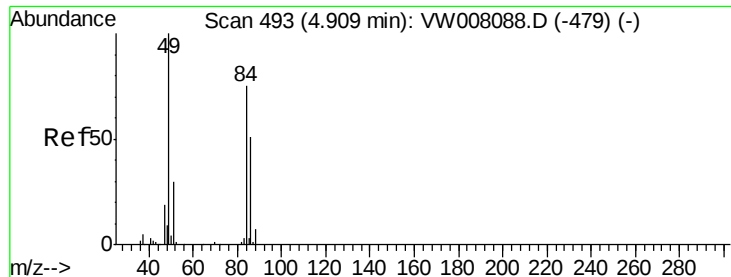
100

50

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008260.D

Acq: 14 Jan 2019 21:05

Instrument :

MSVOA_W

ClientSampled :

S-3RE

Tgt Ion: 84 Resp: 720

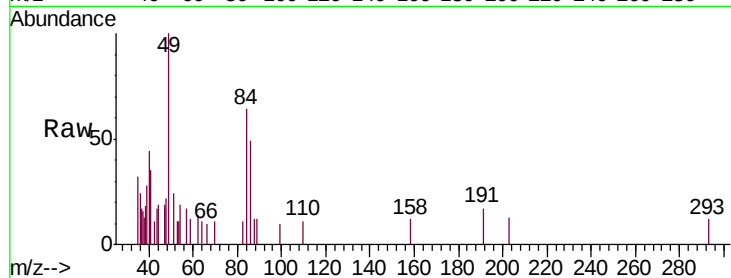
Ion Ratio Lower Upper

84 100

49 134.6 107.1 160.7

51 38.0 32.4 48.6

86 76.3 54.2 81.4

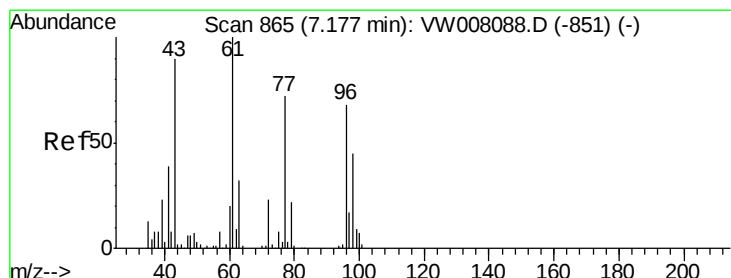
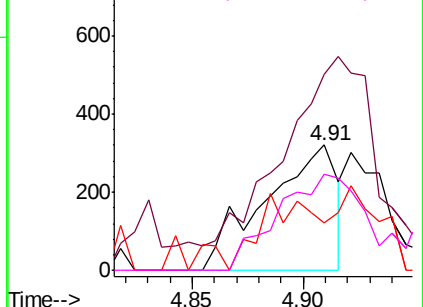
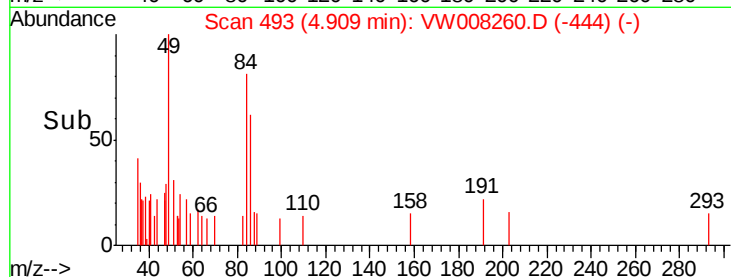


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 1.409 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW008260.D

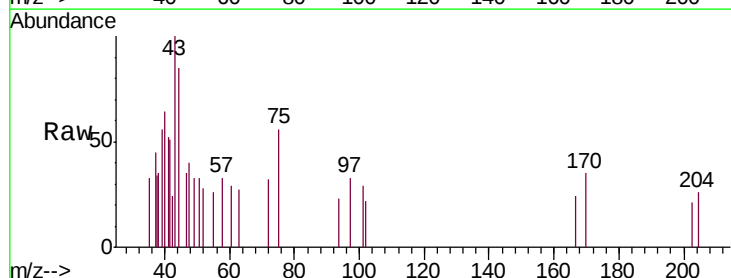
Acq: 14 Jan 2019 21:05

Tgt Ion: 43 Resp: 143

Ion Ratio Lower Upper

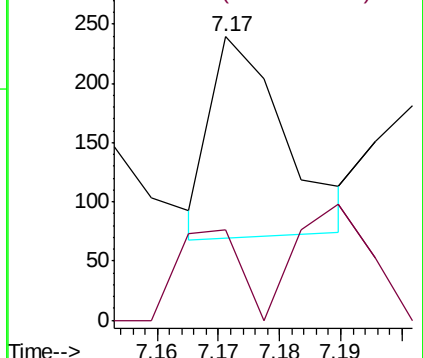
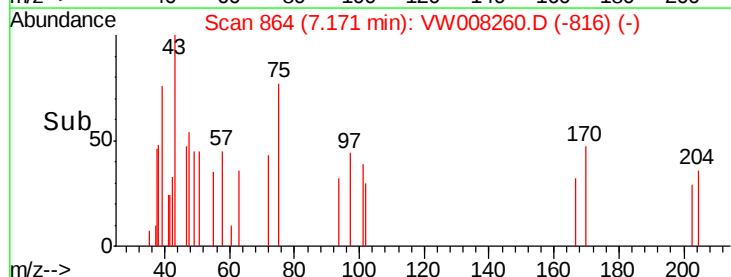
43 100

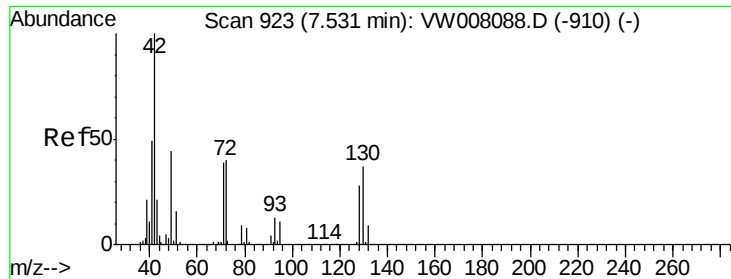
72 2.4 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

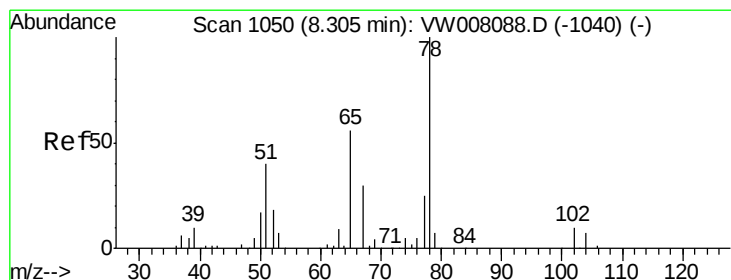
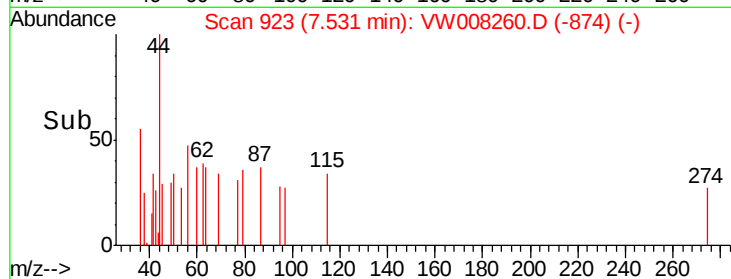
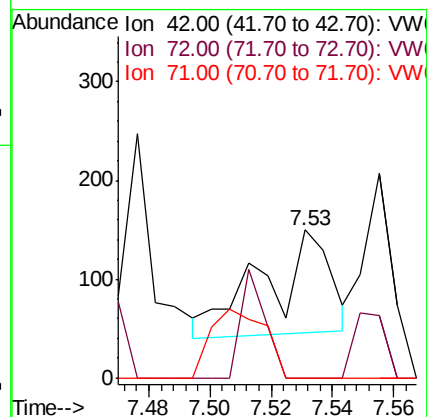
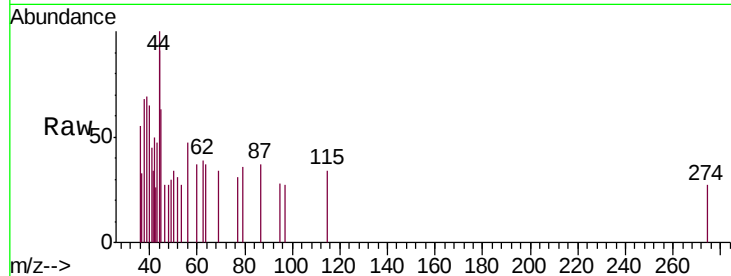




#29
Tetrahydrofuran
Concen: 2.256 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008260.D
Acq: 14 Jan 2019 21:05

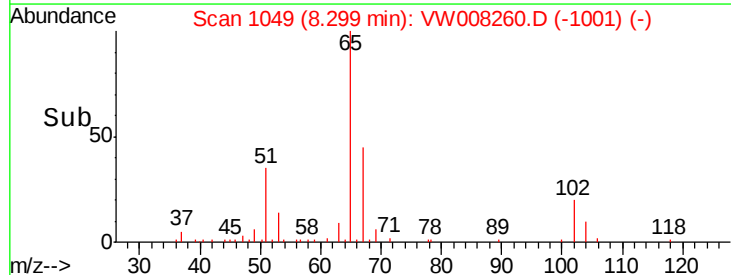
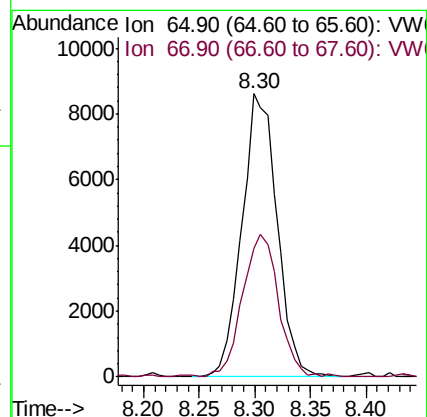
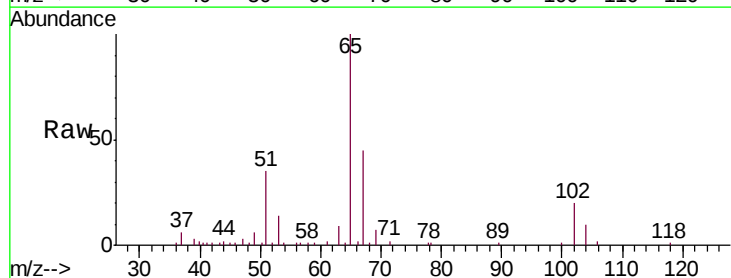
Instrument :
MSVOA_W
ClientSampleId :
S-3RE

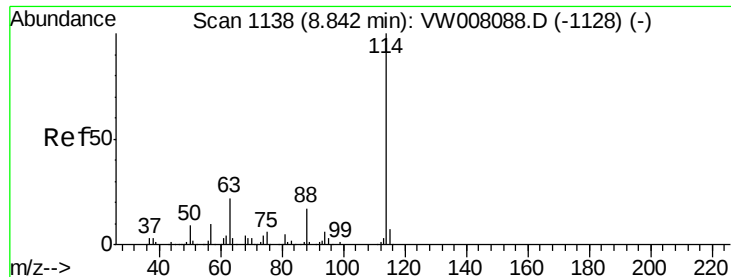
Tgt Ion: 42 Resp: 153
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 0.0 31.3 46.9#



#33
1,2-Dichloroethane-d4
Concen: 51.869 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008260.D
Acq: 14 Jan 2019 21:05

Tgt Ion: 65 Resp: 18926
Ion Ratio Lower Upper
65 100
67 51.0 0.0 106.8

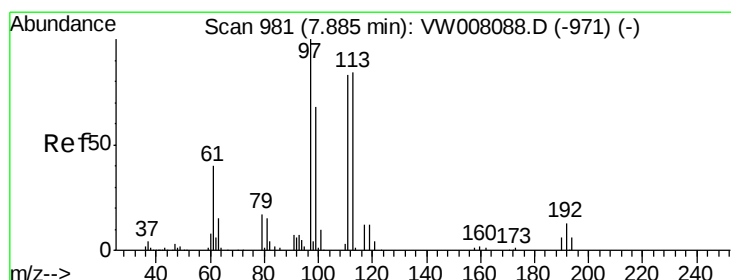
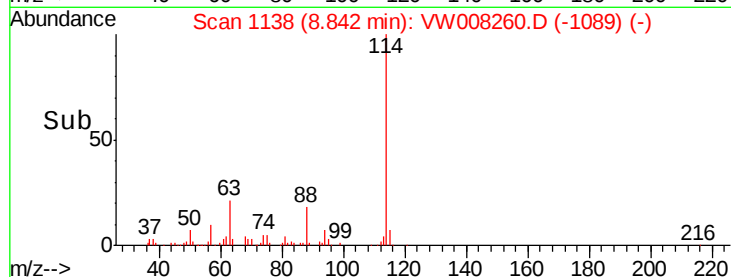
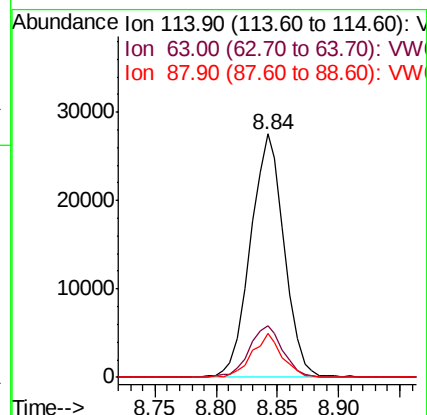
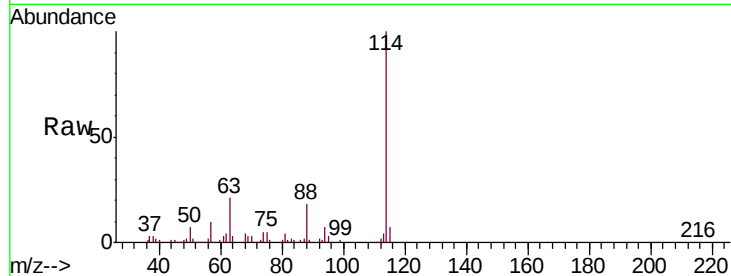




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008260.D
 Acq: 14 Jan 2019 21:05

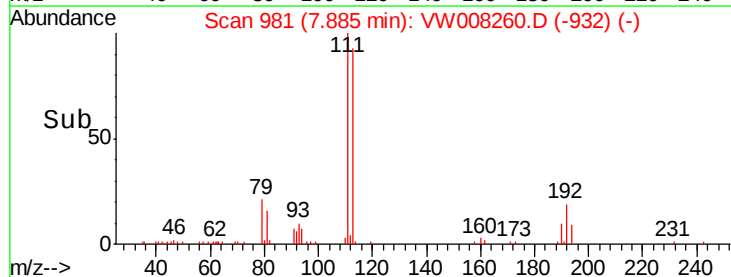
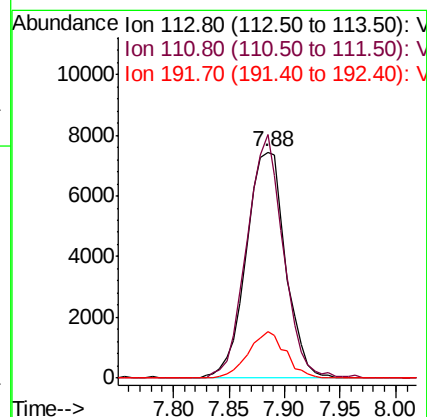
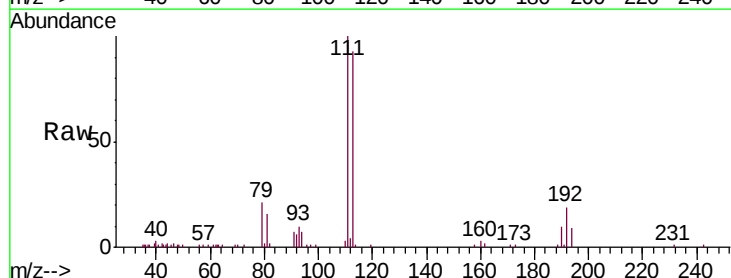
Instrument :
 MSVOA_W
 ClientSampleId :
 S-3RE

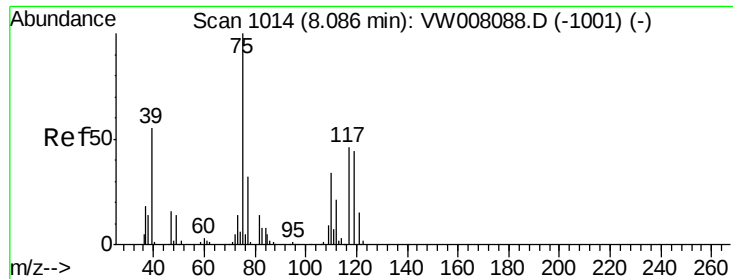
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.4
88	18.1	0.0	33.4



#35
 Dibromofluoromethane
 Concen: 59.728 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008260.D
 Acq: 14 Jan 2019 21:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.1	81.8	122.8
192	19.3	12.8	19.2#

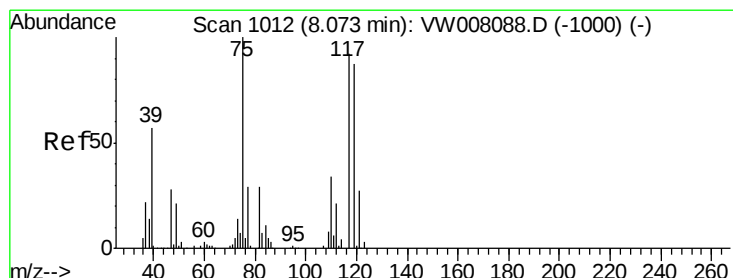
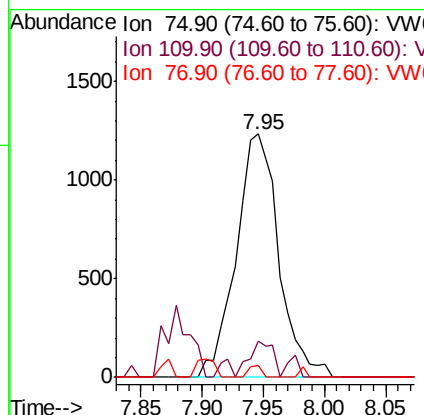
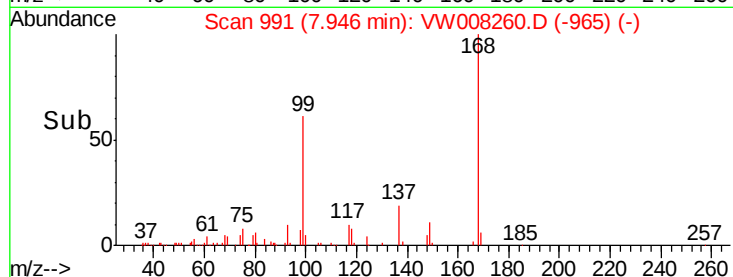
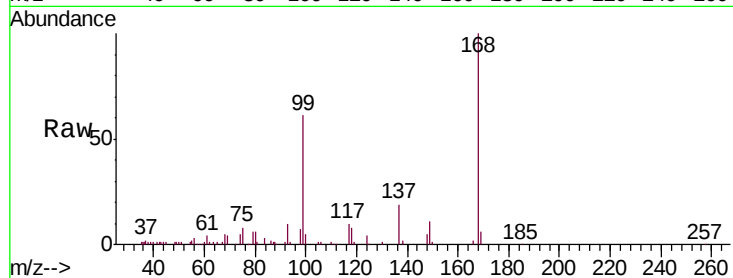




#36
 1,1-Dichloropropene
 Concen: 5.515 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008260.D
 Acq: 14 Jan 2019 21:05

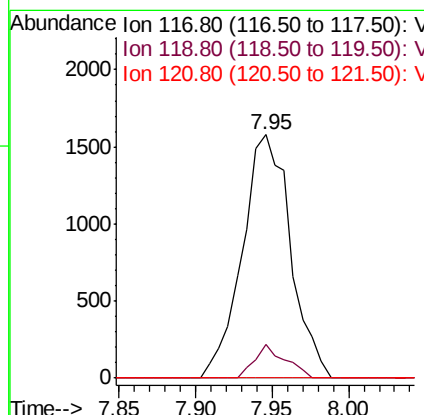
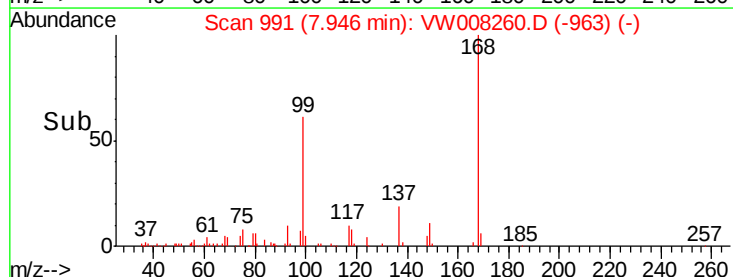
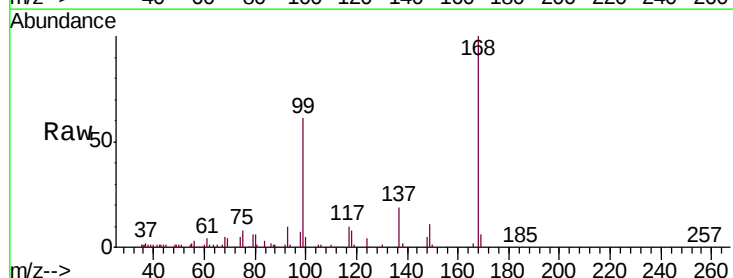
Instrument :
 MSVOA_W
 ClientSampleId :
 S-3RE

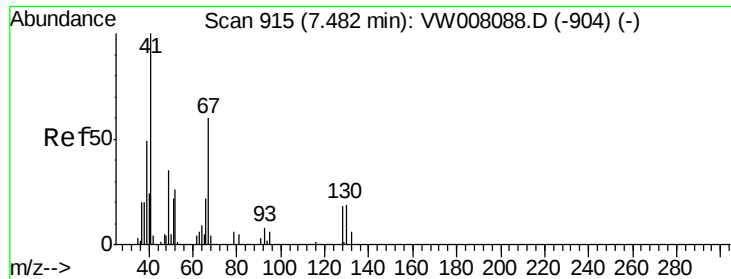
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.1	51.3#
77	1.4	25.5	38.3#



#38
 Carbon Tetrachloride
 Concen: 6.983 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008260.D
 Acq: 14 Jan 2019 21:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	14.0	75.8	113.8#
121	0.0	23.7	35.5#

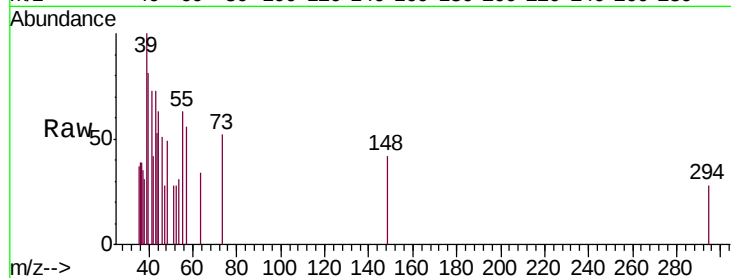




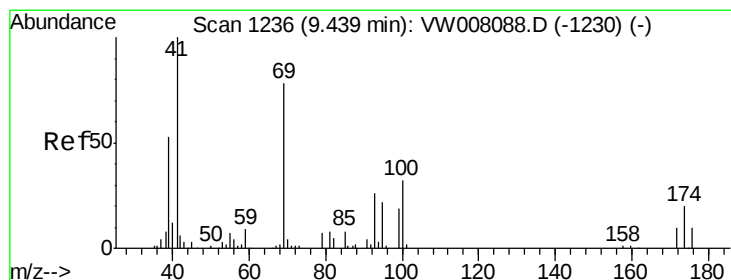
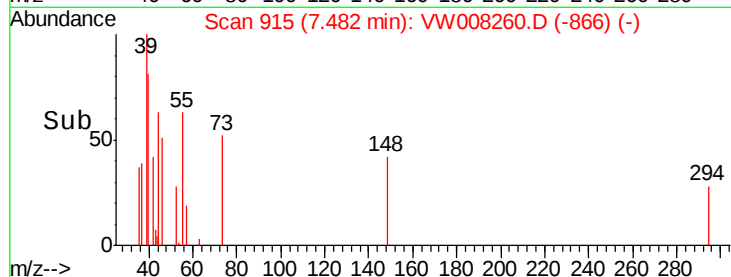
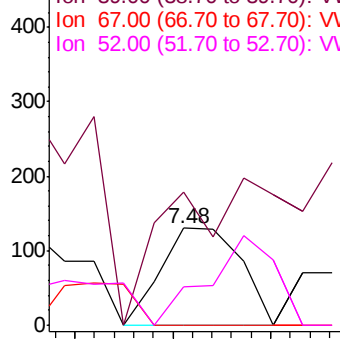
#41
Methacrylonitrile
Concen: 1.072 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008260.D
Acq: 14 Jan 2019 21:05

Instrument :
MSVOA_W
ClientSampled :
S-3RE

Tgt Ion:	41	Resp:	147
Ion	Ratio	Lower	Upper
41	100		
39	238.8	47.9	71.9#
67	0.0	56.3	84.5#
52	77.6	24.5	36.7#

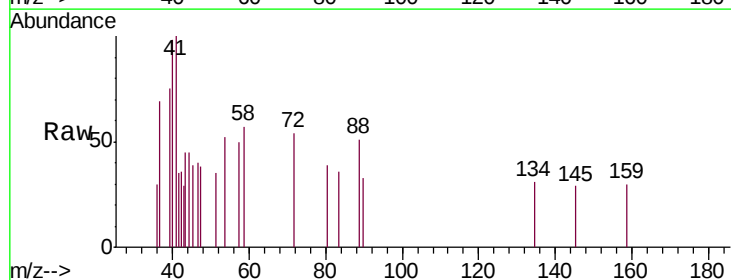


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

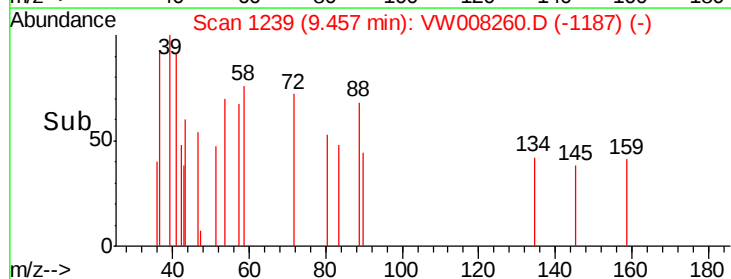
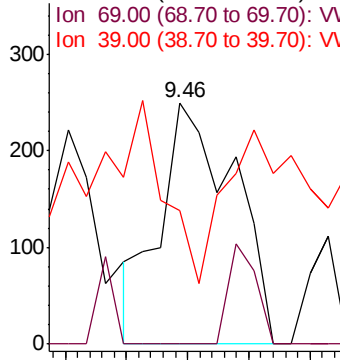


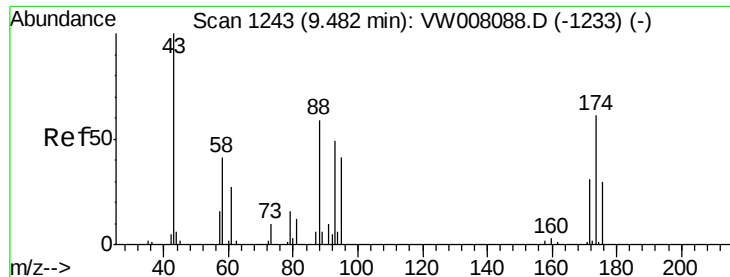
#48
Methyl methacrylate
Concen: 2.036 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.02 min
Lab File: VW008260.D
Acq: 14 Jan 2019 21:05

Tgt Ion:	41	Resp:	417
Ion	Ratio	Lower	Upper
41	100		
69	0.0	61.9	92.9#
39	0.0	43.0	64.4#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 40.641 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.02 min

Lab File: VW008260.D

Acq: 14 Jan 2019 21:05

Instrument :

MSVOA_W

ClientSampled :

S-3RE

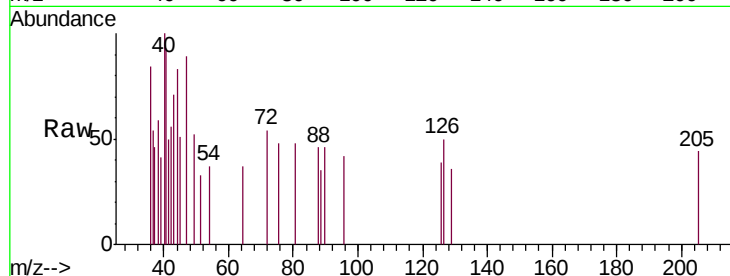
Tgt Ion: 88 Resp: 117

Ion Ratio Lower Upper

88 100

43 180.3 0.0 0.0#

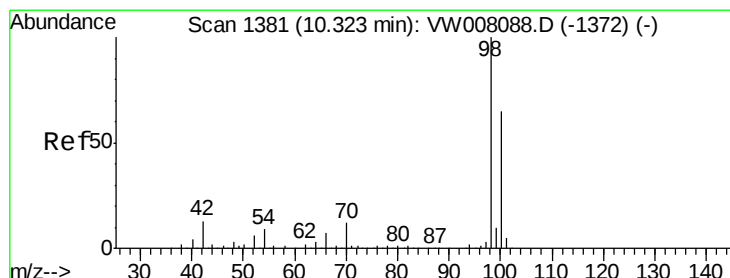
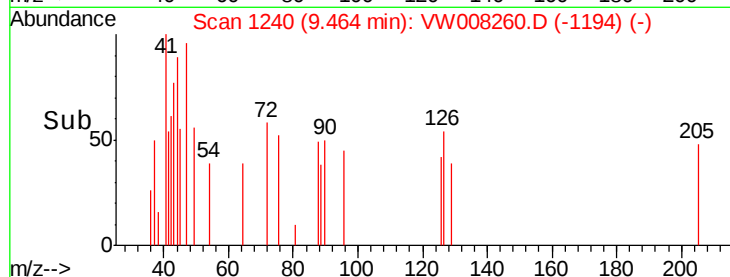
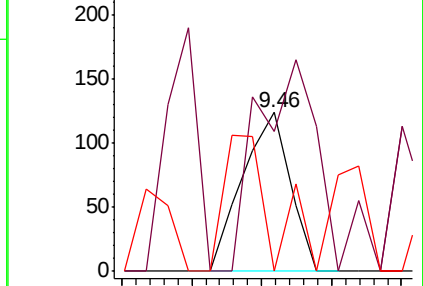
58 0.0 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.356 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008260.D

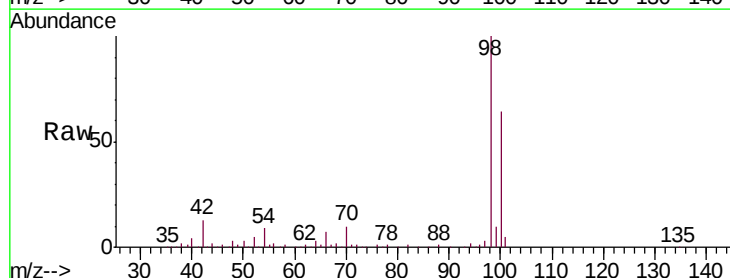
Acq: 14 Jan 2019 21:05

Tgt Ion: 98 Resp: 63559

Ion Ratio Lower Upper

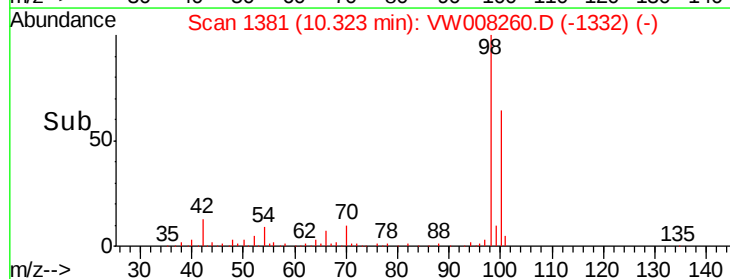
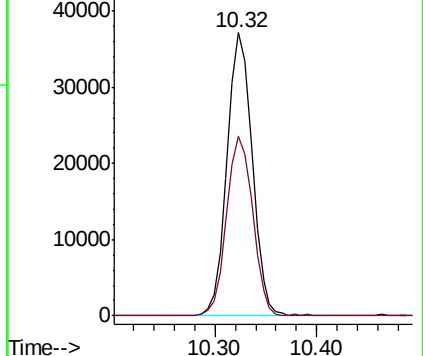
98 100

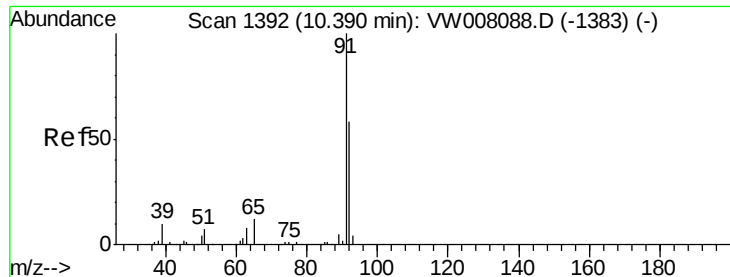
100 65.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.095 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008260.D

Acq: 14 Jan 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

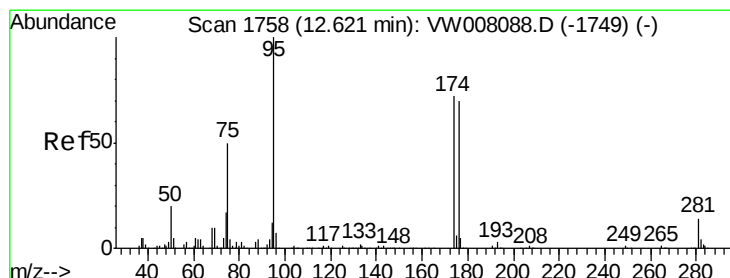
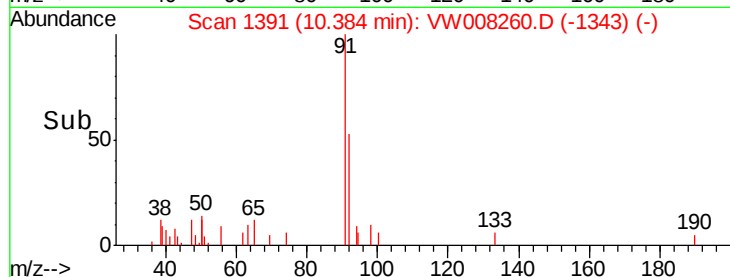
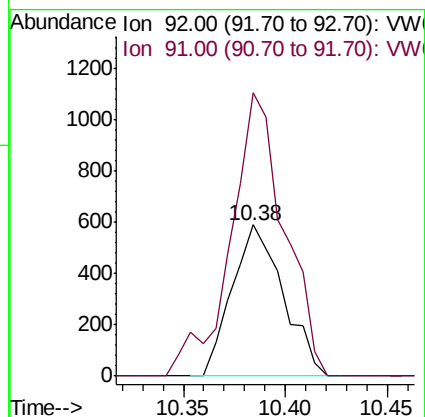
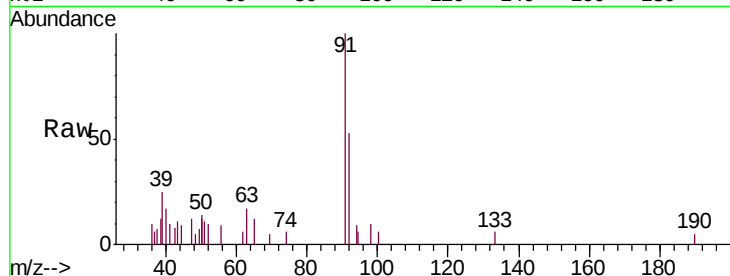
S-3RE

Tgt Ion: 92 Resp: 1028

Ion Ratio Lower Upper

92 100

91 197.2 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 28.848 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008260.D

Acq: 14 Jan 2019 21:05

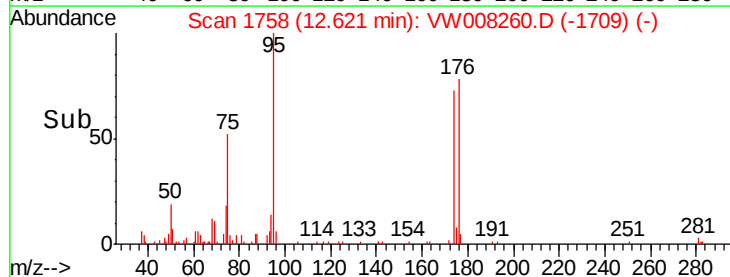
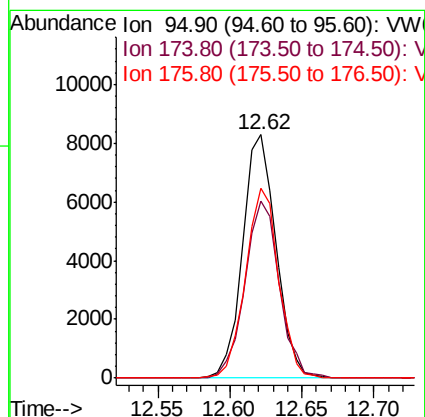
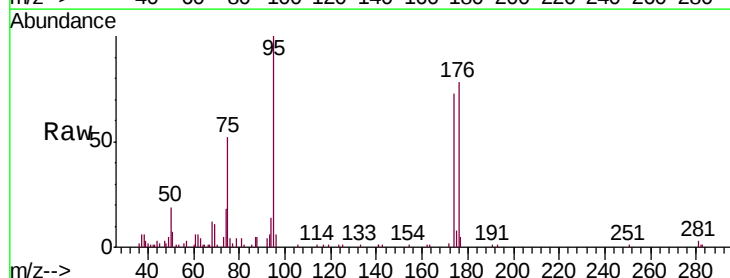
Tgt Ion: 95 Resp: 13318

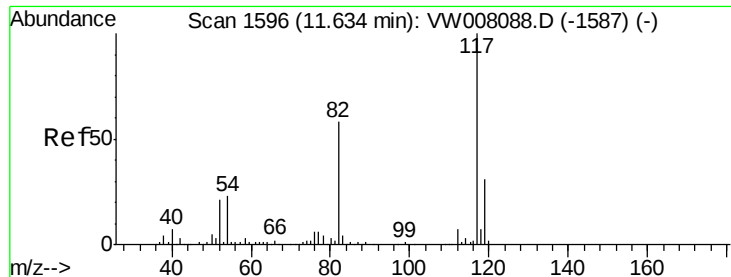
Ion Ratio Lower Upper

95 100

174 74.7 0.0 143.0

176 77.1 0.0 140.2

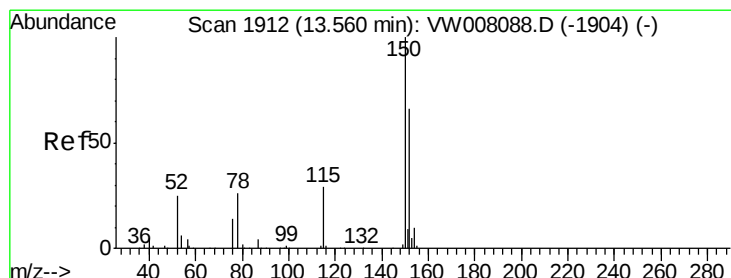
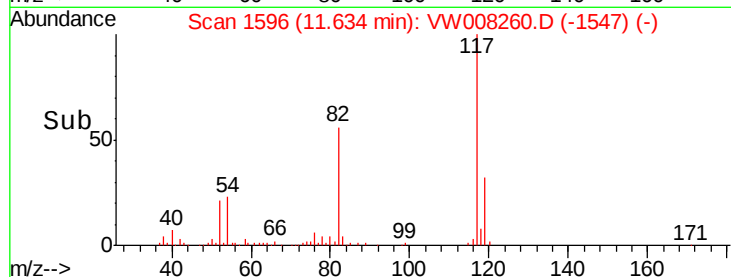
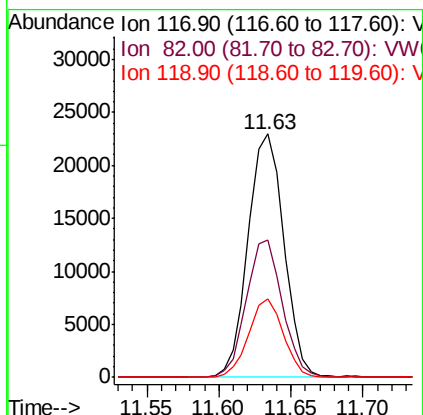
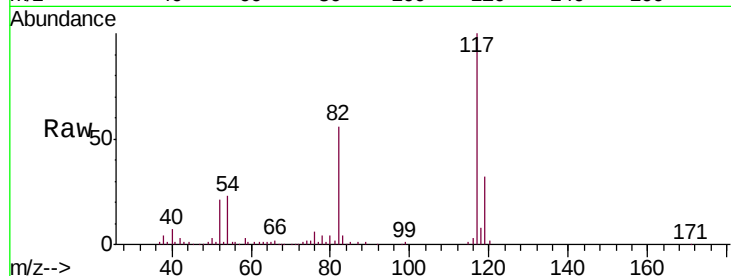




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008260.D
Acq: 14 Jan 2019 21:05

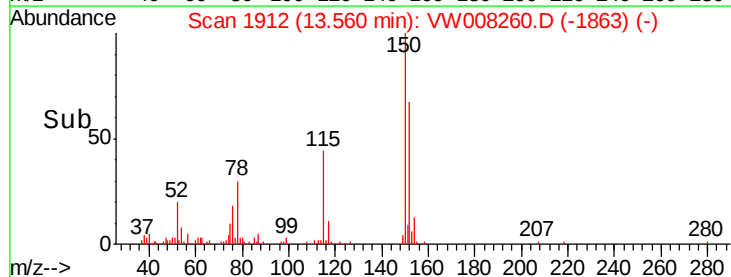
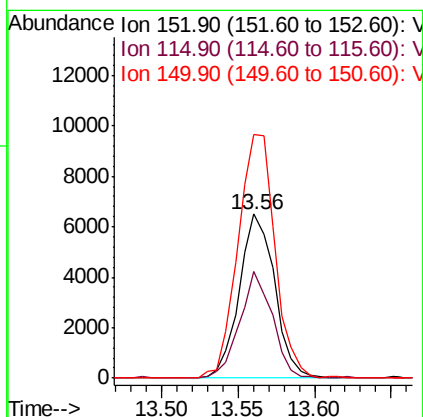
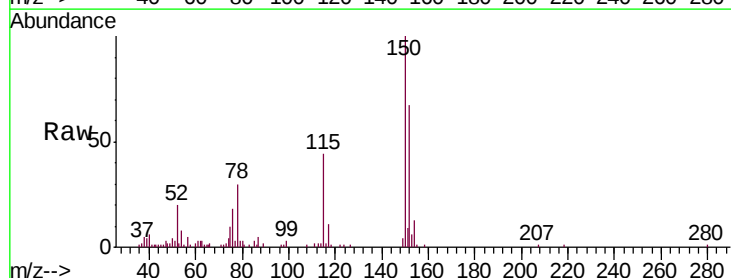
Instrument :
MSVOA_W
ClientSampleId :
S-3RE

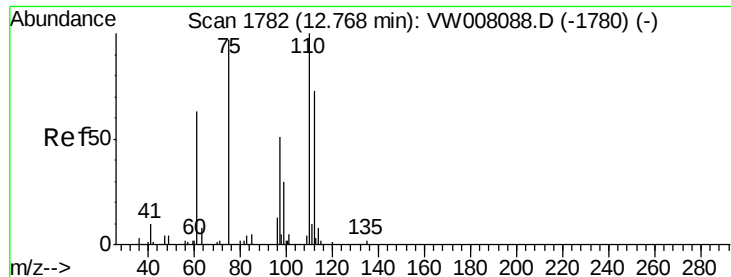
Tgt Ion:117 Resp: 39571
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 32.0 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008260.D
Acq: 14 Jan 2019 21:05

Tgt Ion:152 Resp: 10481
Ion Ratio Lower Upper
152 100
115 59.4 30.8 92.4
150 154.4 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 75.754 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008260.D

Acq: 14 Jan 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

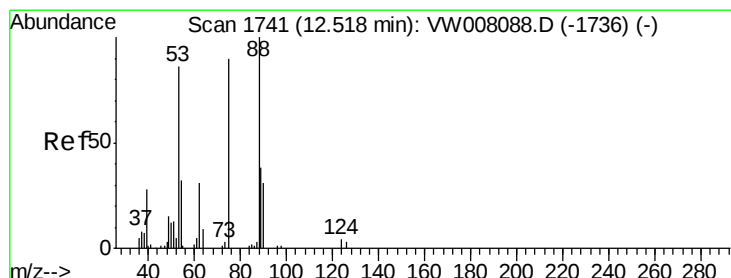
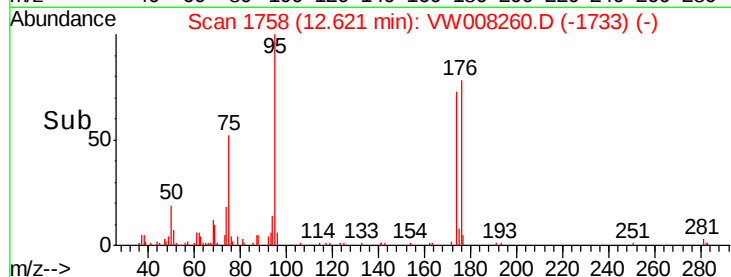
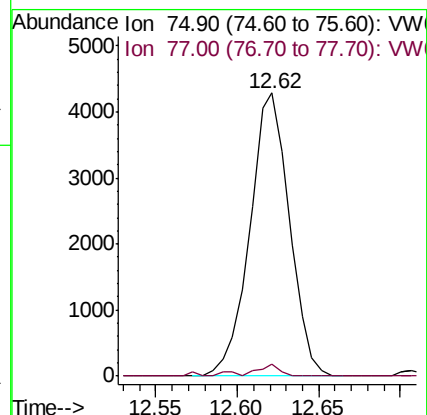
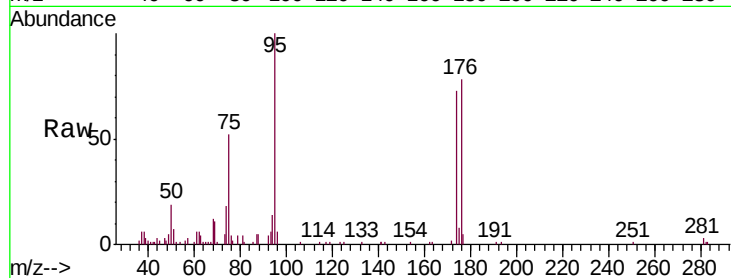
S-3RE

Tgt Ion: 75 Resp: 7238

Ion Ratio Lower Upper

75 100

77 2.2 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 176.409 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008260.D

Acq: 14 Jan 2019 21:05

Tgt Ion: 75 Resp: 7238

Ion Ratio Lower Upper

75 100

53 2.3 78.8 118.2#

89 0.0 35.4 53.2#

