

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002535.D
 Acq On : 15 May 2018 02:16
 Operator : JC/SY
 Sample : J2708-01
 Misc : 6.48G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-20(7.5-8)

Quant Time: May 15 07:32:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	146474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	222814	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	201990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	102205	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	64283	42.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.94%	
35) Dibromofluoromethane	7.88	113	58639	41.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.96%	
50) Toluene-d8	10.33	98	193857	36.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.10%	
62) 4-Bromofluorobenzene	12.63	95	72758	37.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.00%	

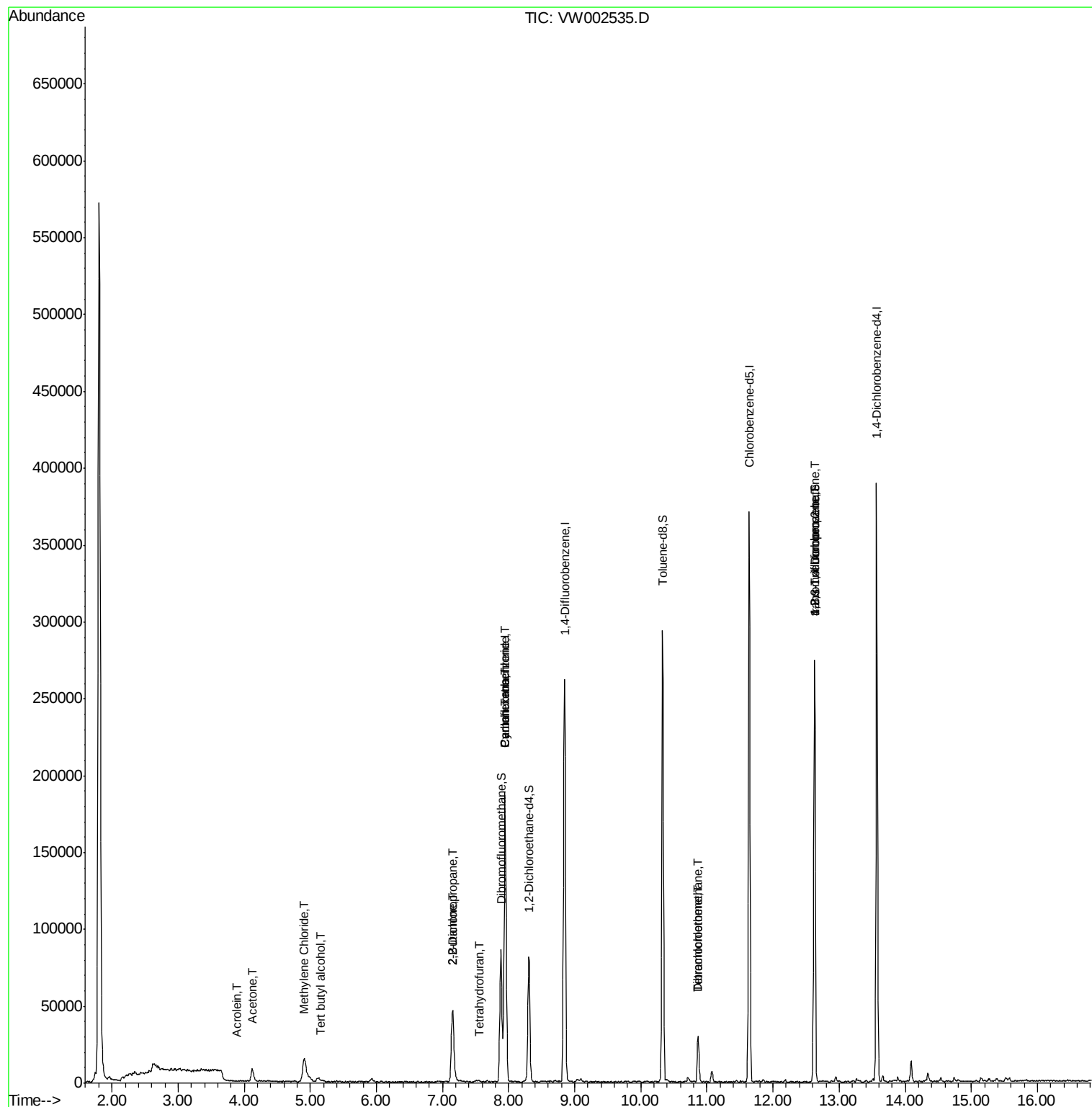
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	206	1.77	ug/l #	72
13) Acrolein	3.89	56	121	1.06	ug/l #	44
16) Acetone	4.12	43	14475	45.30	ug/l	91
20) Methylene Chloride	4.91	84	14084	8.81	ug/l	96
25) 2-Butanone	7.15	43	3488	7.72	ug/l #	85
26) 2,2-Dichloropropane	7.15	77	3228	2.37	ug/l #	51
29) Tetrahydrofuran	7.54	42	553	1.96	ug/l #	50
31) Cyclohexane	7.94	56	3372	1.57	ug/l #	28
38) Carbon Tetrachloride	7.95	117	14291	7.42	ug/l #	19
60) Dibromochloromethane	10.87	129	5002	3.68	ug/l #	11
64) Tetrachloroethene	10.87	164	6593	4.63	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	38293	39.64	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	38293	108.07	ug/l #	8

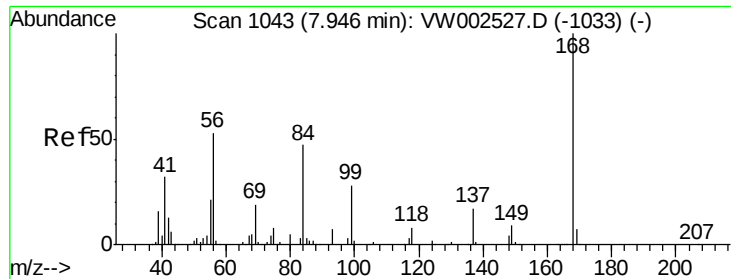
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 03:32:11 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002535.D

Acq: 15 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

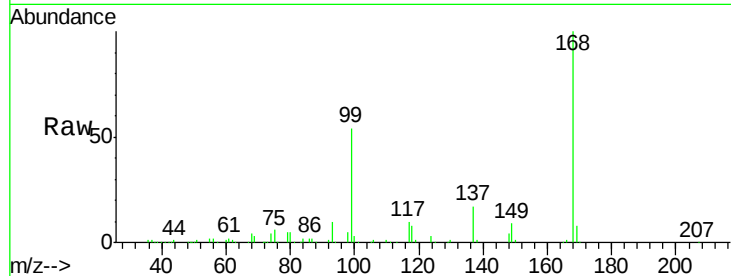
SB-20(7.5-8)

Tgt Ion:168 Resp: 146474

Ion Ratio Lower Upper

168 100

99 53.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

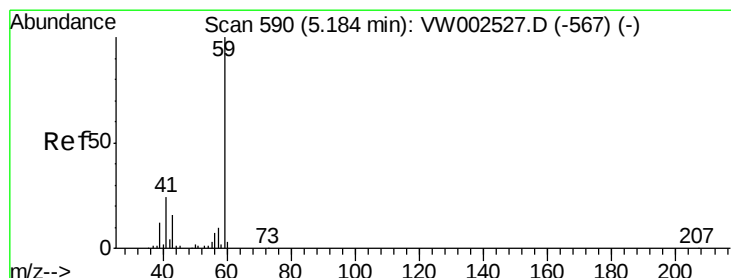
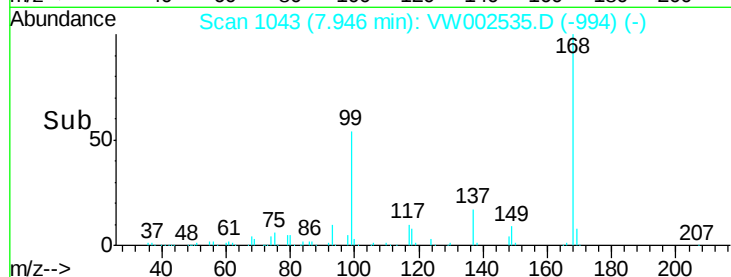
40000

20000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 1.77 ug/l

RT: 5.16 min Scan# 586

Delta R.T. -0.02 min

Lab File: VW002535.D

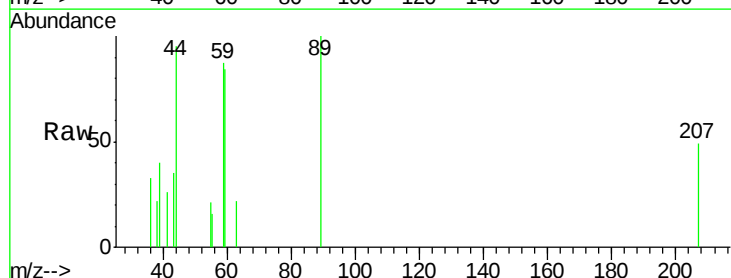
Acq: 15 May 2018 02:16

Tgt Ion: 59 Resp: 206

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

600

500

400

300

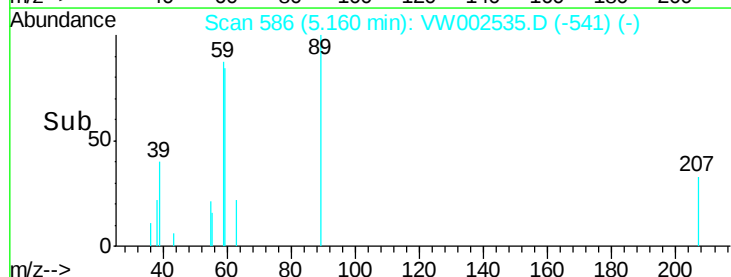
200

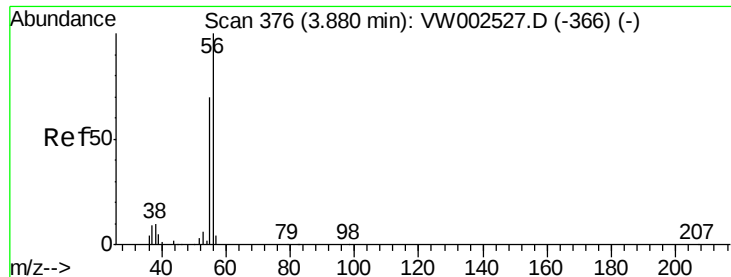
100

0

5.15 5.16 5.17 5.18

Time-->





#13

Acrolein

Concen: 1.06 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.01 min

Lab File: VW002535.D

Acq: 15 May 2018 02:16

Instrument :

MSVOA_W

ClientSampled :

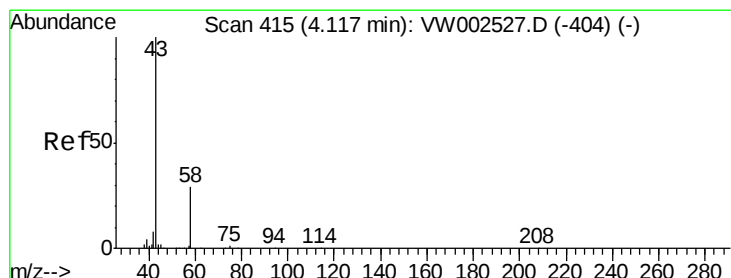
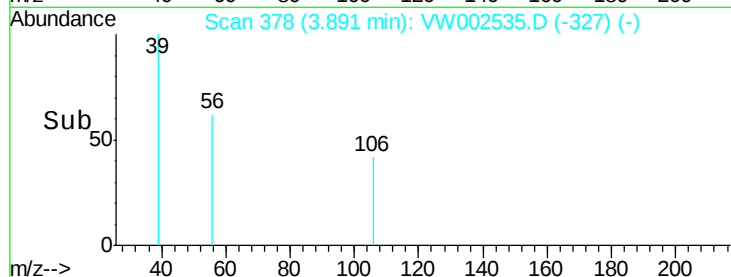
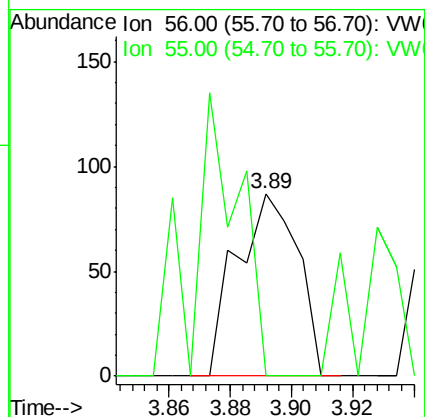
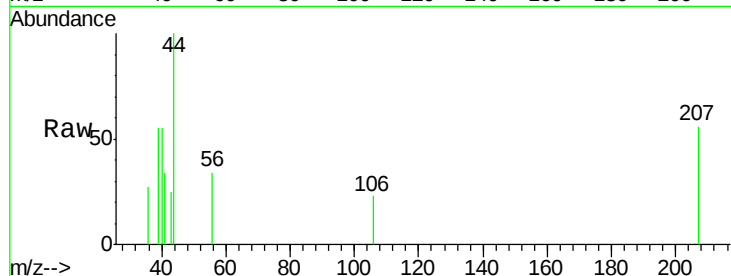
SB-20(7.5-8)

Tgt Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 117.4 57.0 85.4#



#16

Acetone

Concen: 45.30 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002535.D

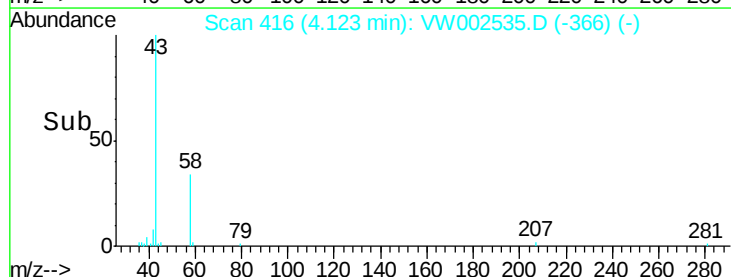
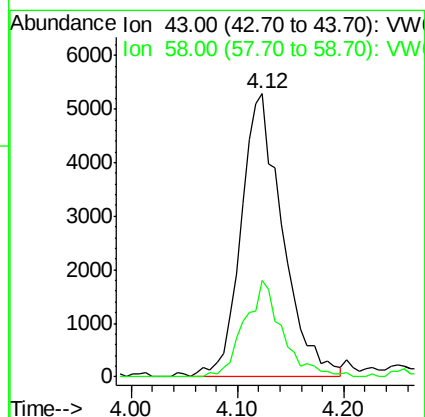
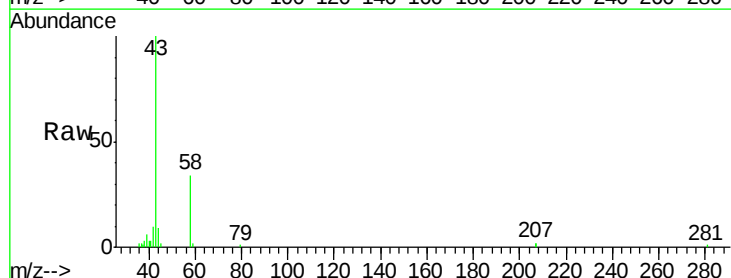
Acq: 15 May 2018 02:16

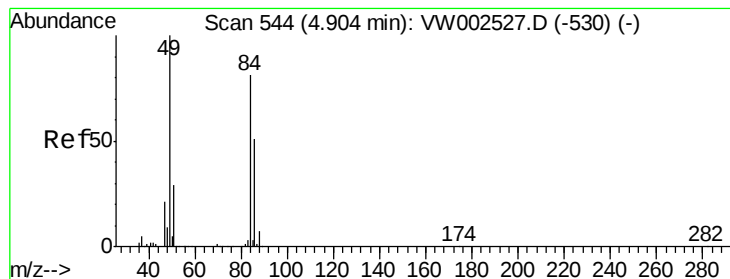
Tgt Ion: 43 Resp: 14475

Ion Ratio Lower Upper

43 100

58 34.1 23.4 35.0





#20

Methylene Chloride

Concen: 8.81 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.01 min

Lab File: VW002535.D

Acq: 15 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

SB-20(7.5-8)

Tgt Ion: 84 Resp: 14084

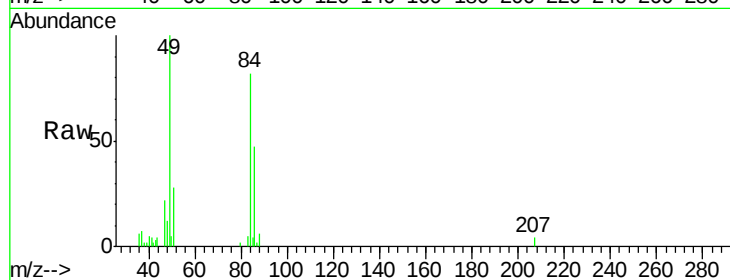
Ion Ratio Lower Upper

84 100

49 121.7 99.4 149.0

51 34.0 29.0 43.6

86 56.9 50.3 75.5

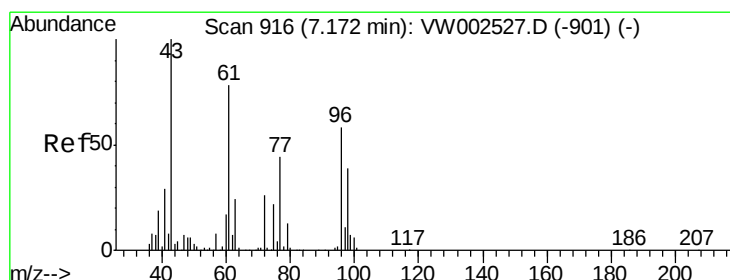
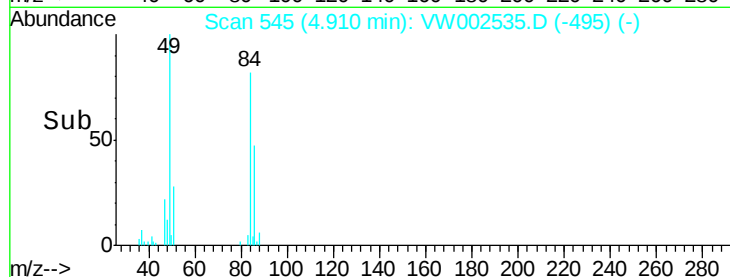
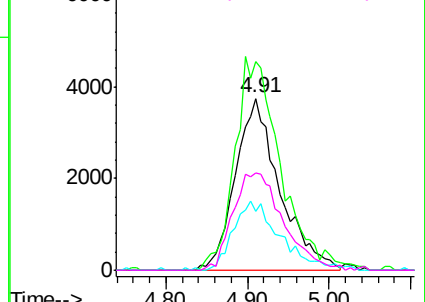


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 7.72 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW002535.D

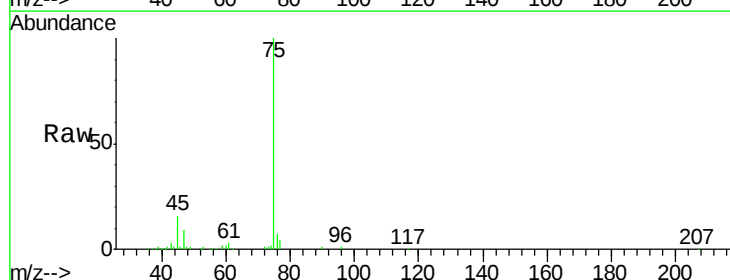
Acq: 15 May 2018 02:16

Tgt Ion: 43 Resp: 3488

Ion Ratio Lower Upper

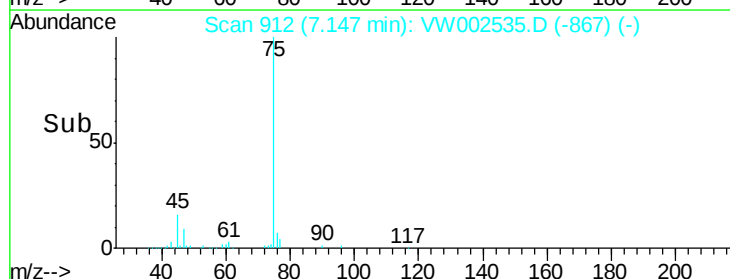
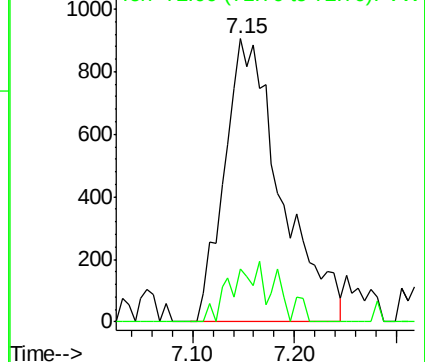
43 100

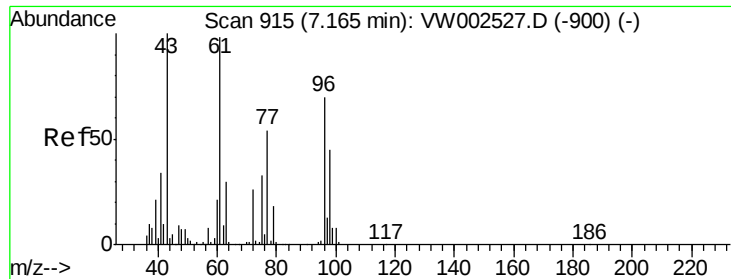
72 18.6 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

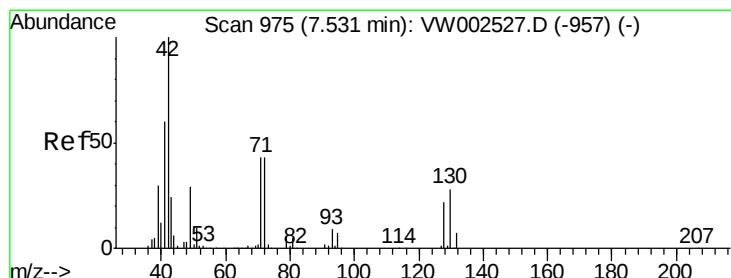
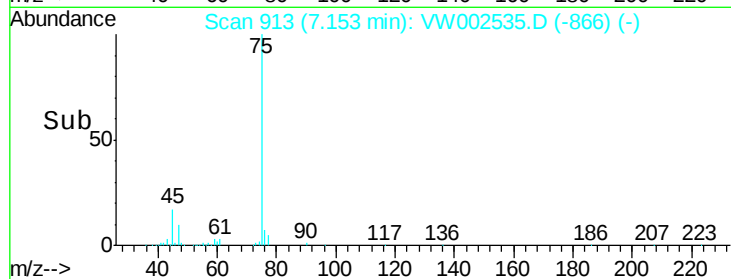
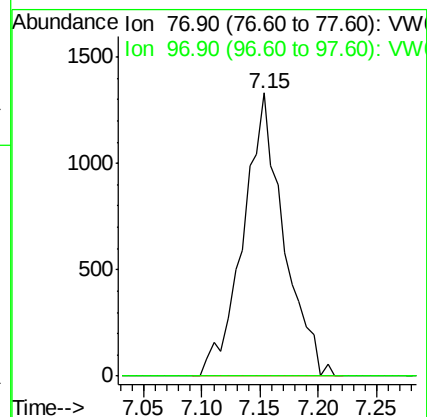
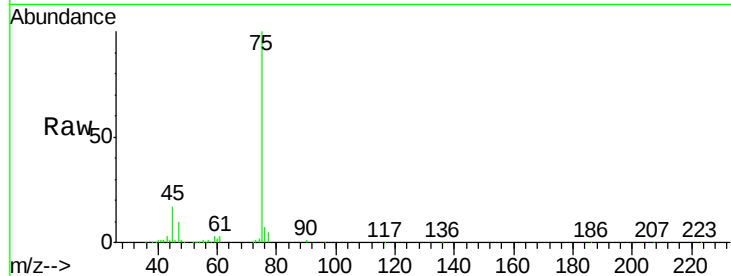




#26
 2,2-Dichloropropane
 Concen: 2.37 ug/l
 RT: 7.15 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VW002535.D
 Acq: 15 May 2018 02:16

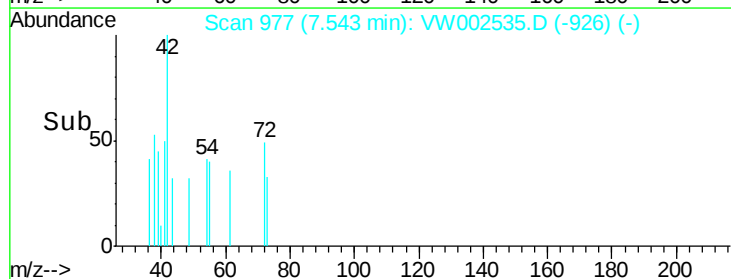
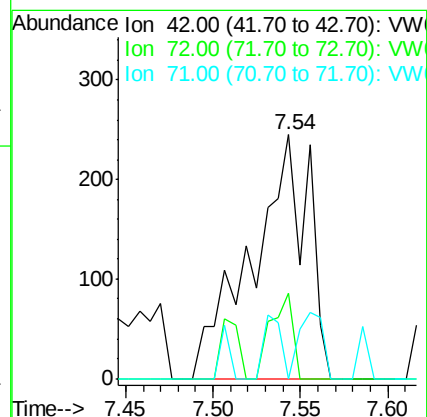
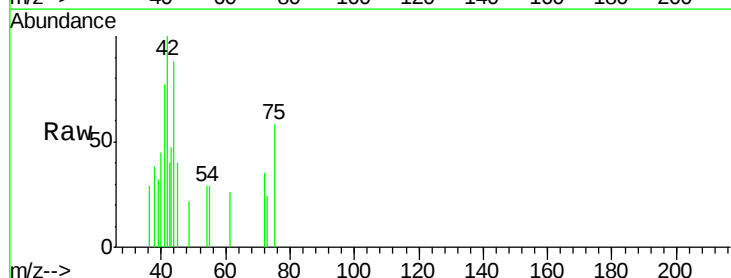
Instrument :
 MSVOA_W
 ClientSampled :
 SB-20(7.5-8)

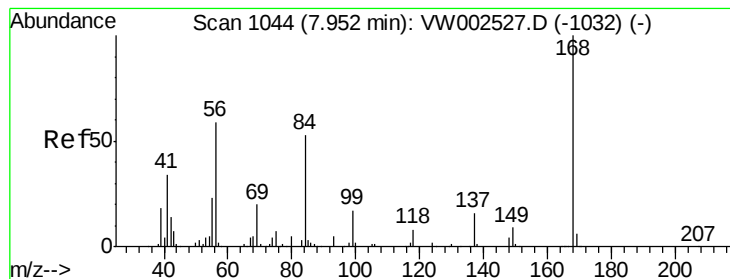
Tgt Ion: 77 Resp: 3228
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.1 36.3#



#29
 Tetrahydrofuran
 Concen: 1.96 ug/l
 RT: 7.54 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VW002535.D
 Acq: 15 May 2018 02:16

Tgt Ion: 42 Resp: 553
 Ion Ratio Lower Upper
 42 100
 72 13.6 35.0 52.4#
 71 8.0 33.0 49.6#





#31

Cyclohexane

Concen: 1.57 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VW002535.D

Acq: 15 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

SB-20(7.5-8)

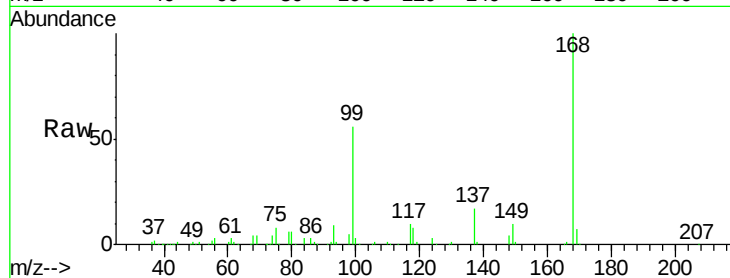
Tgt Ion: 56 Resp: 3372

Ion Ratio Lower Upper

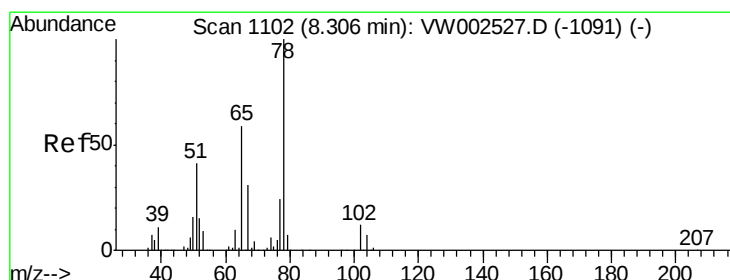
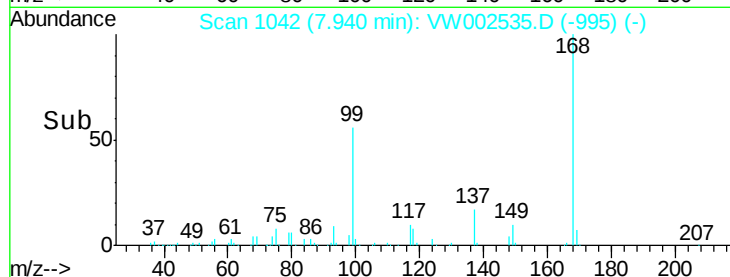
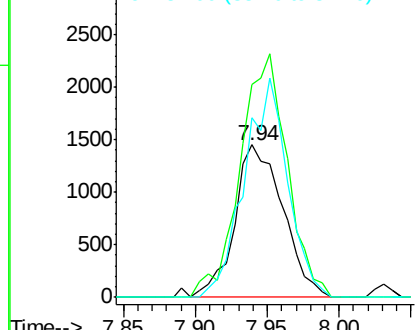
56 100

69 139.7 27.0 40.4#

84 117.7 72.2 108.2#



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: 42.47 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002535.D

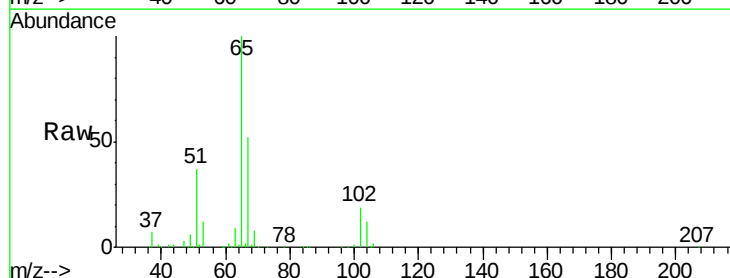
Acq: 15 May 2018 02:16

Tgt Ion: 65 Resp: 64283

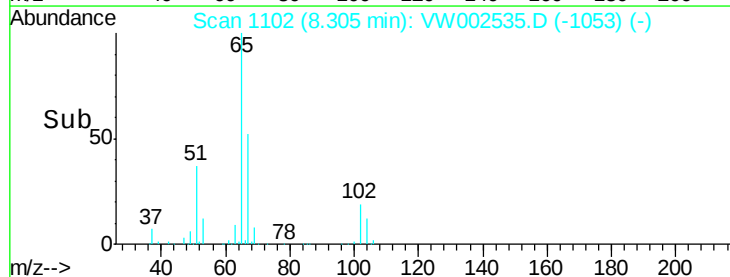
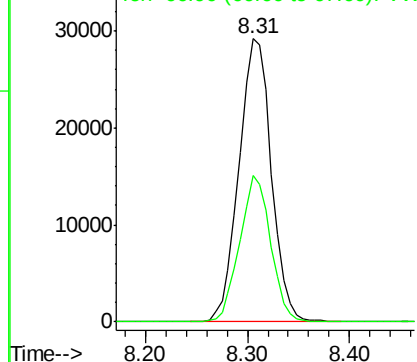
Ion Ratio Lower Upper

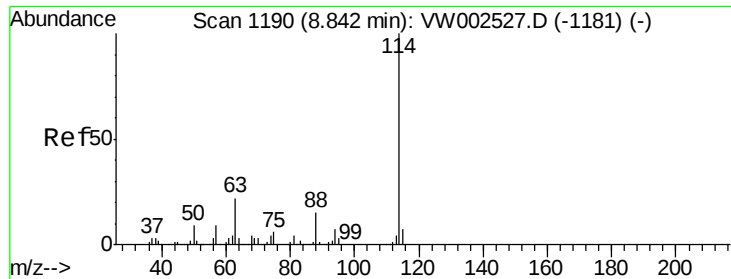
65 100

67 49.6 0.0 104.4



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VW002535.D

Acq: 15 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

SB-20(7.5-8)

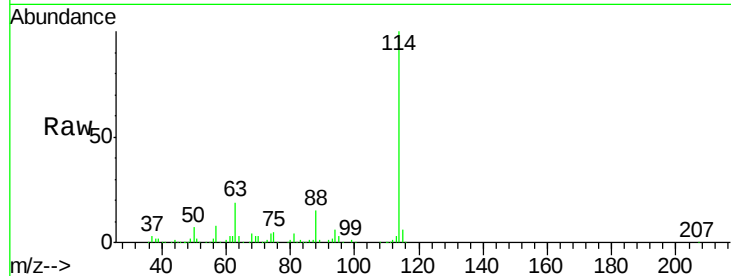
Tgt Ion:114 Resp: 222814

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

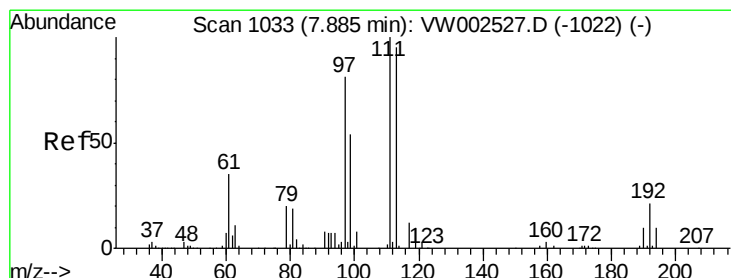
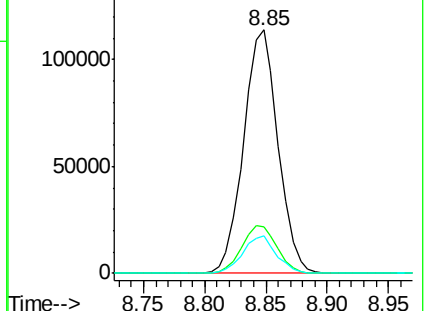
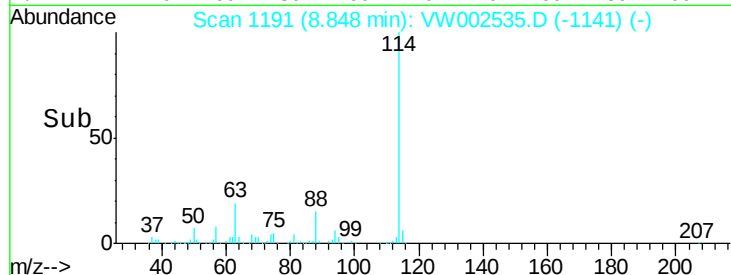
88 15.3 0.0 29.2



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: 41.48 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW002535.D

Acq: 15 May 2018 02:16

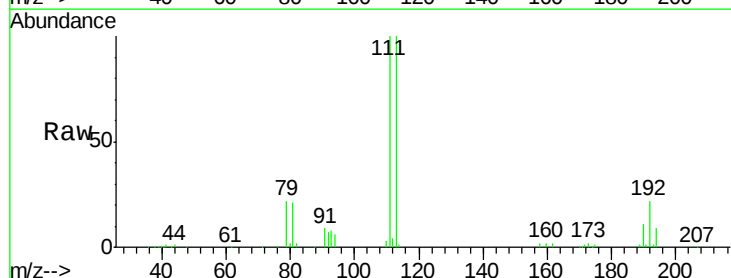
Tgt Ion:113 Resp: 58639

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

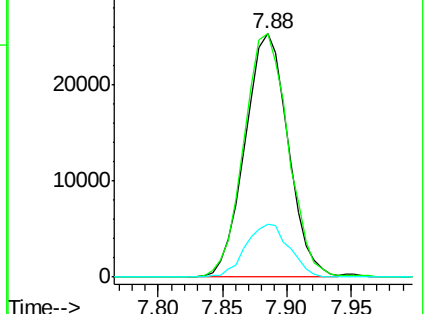
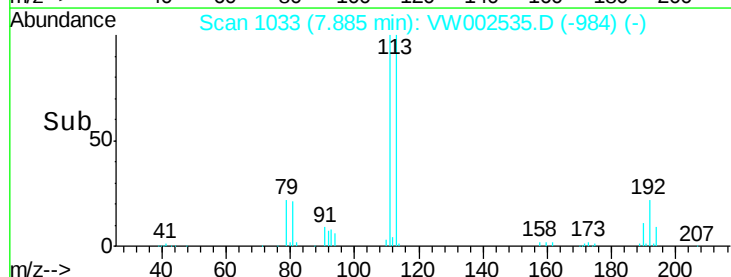
192 22.1 17.5 26.3

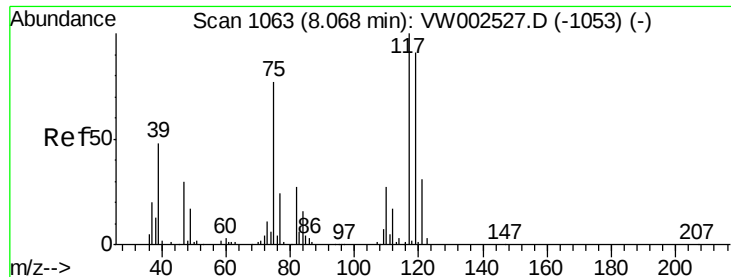


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

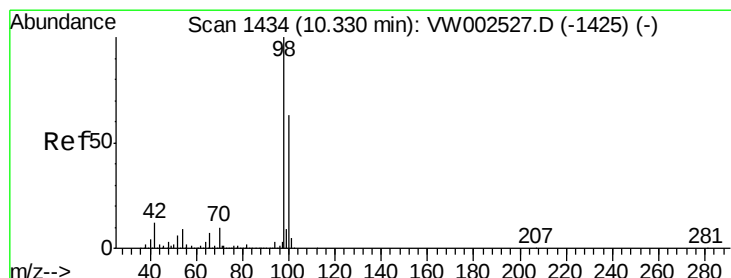
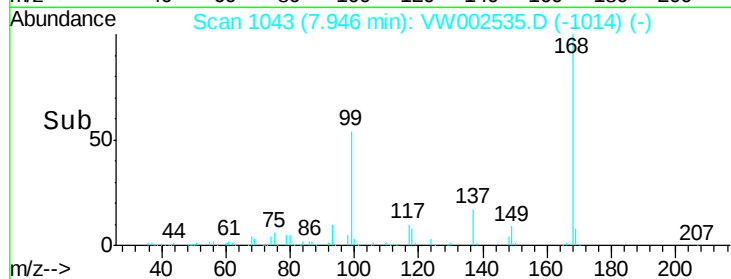
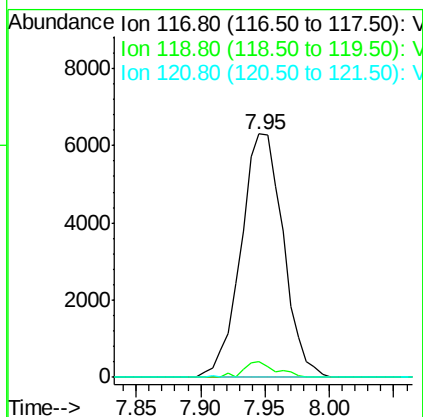
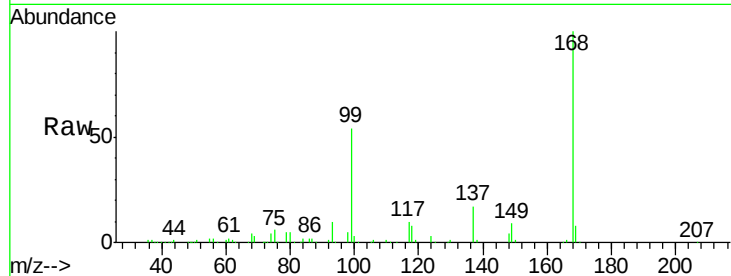




#38
Carbon Tetrachloride
Concen: 7.42 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW002535.D
Acq: 15 May 2018 02:16

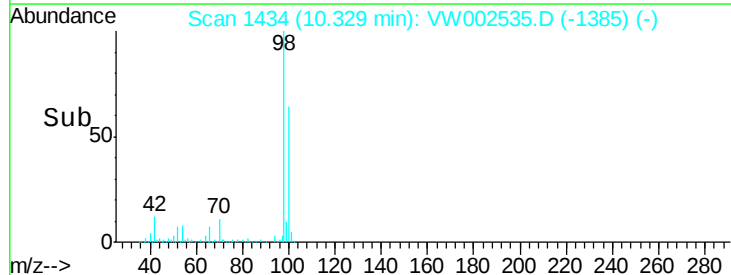
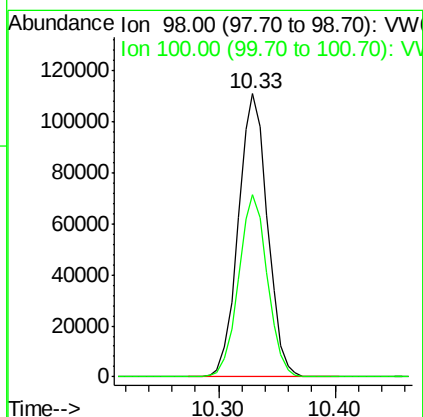
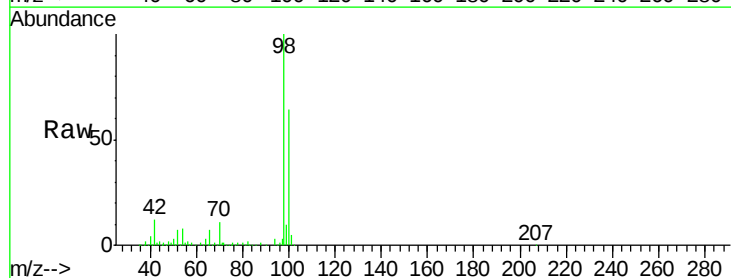
Instrument :
MSVOA_W
ClientSampleId :
SB-20(7.5-8)

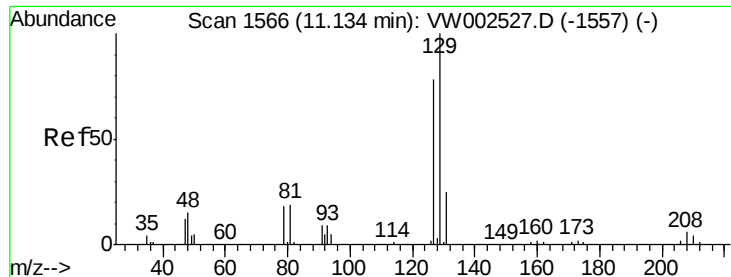
Tgt Ion:117 Resp: 14291
Ion Ratio Lower Upper
117 100
119 6.3 73.1 109.7#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 36.05 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002535.D
Acq: 15 May 2018 02:16

Tgt Ion: 98 Resp: 193857
Ion Ratio Lower Upper
98 100
100 63.3 51.0 76.4





#60

Dibromochloromethane

Concen: 3.68 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.27 min

Lab File: VW002535.D

Acq: 15 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

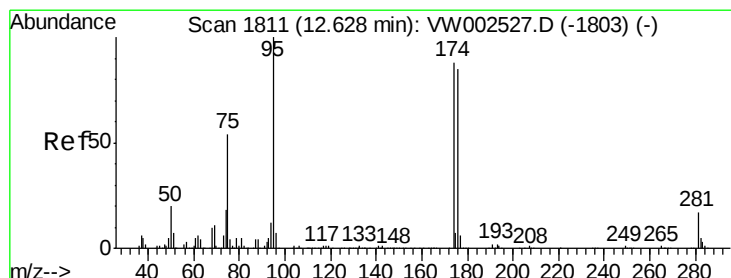
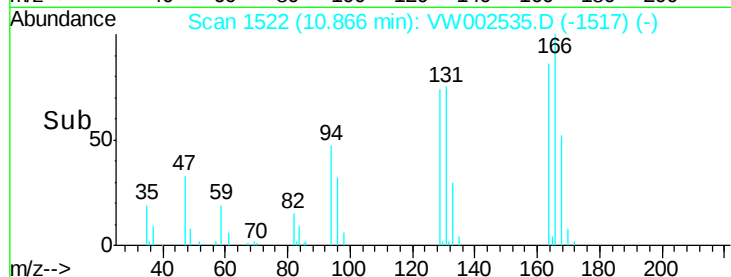
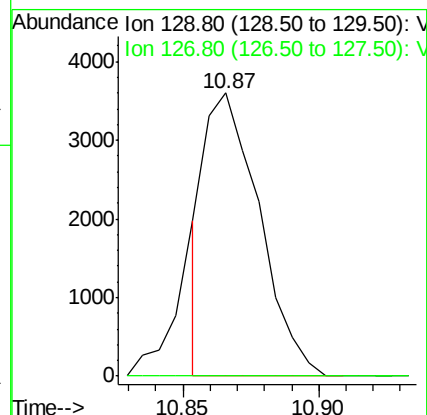
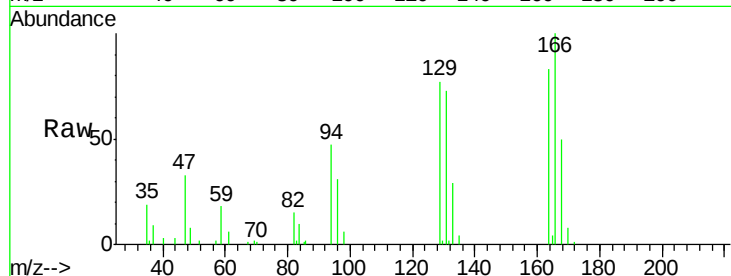
SB-20(7.5-8)

Tgt Ion:129 Resp: 5002

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.7#



#62

4-Bromofluorobenzene

Concen: 37.00 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002535.D

Acq: 15 May 2018 02:16

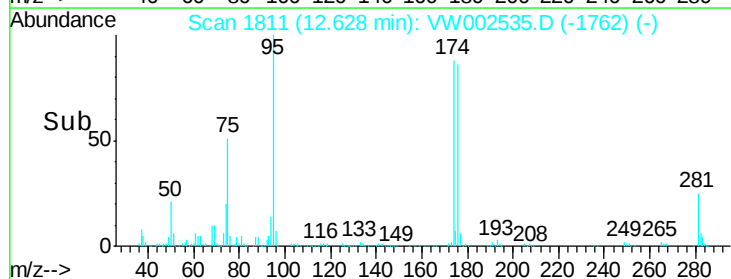
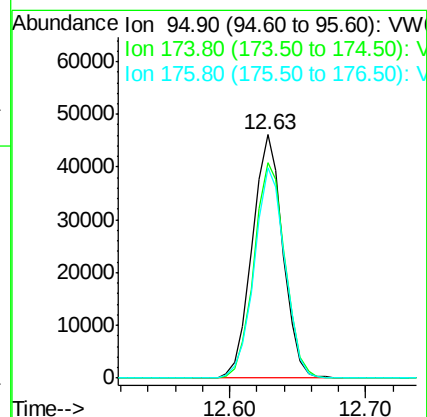
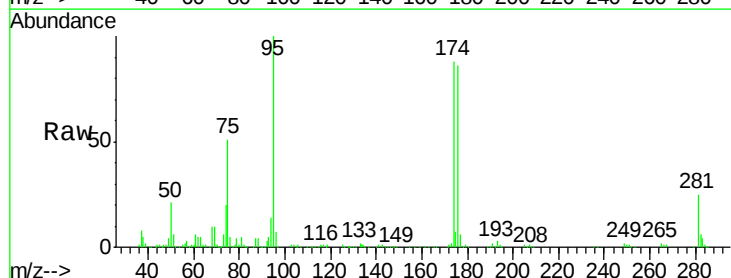
Tgt Ion: 95 Resp: 72758

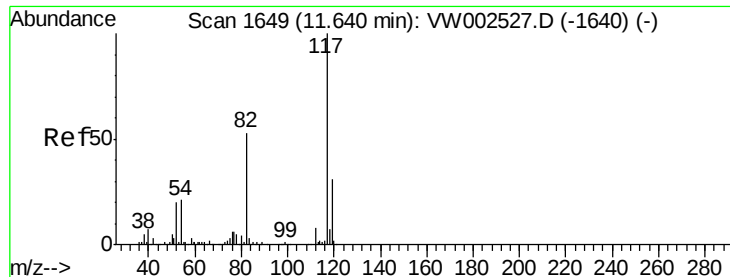
Ion Ratio Lower Upper

95 100

174 89.8 0.0 176.6

176 86.8 0.0 172.2

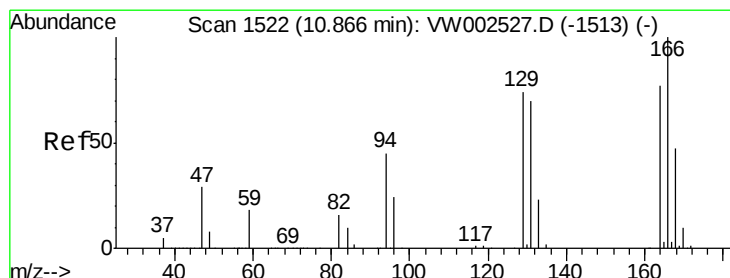
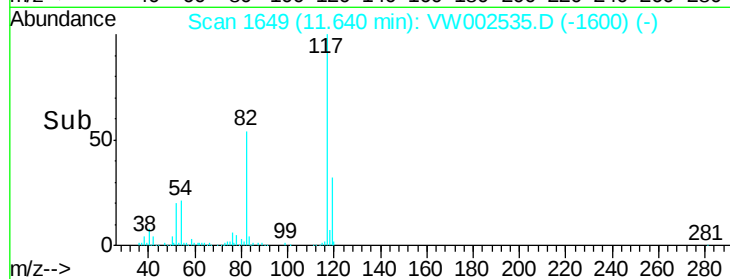
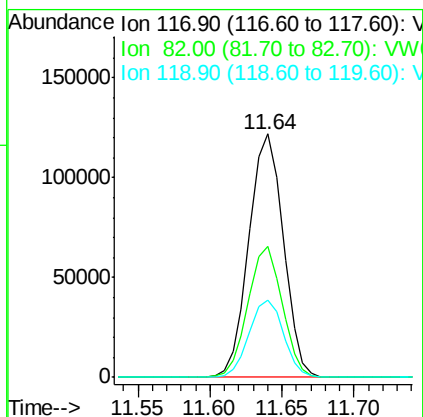
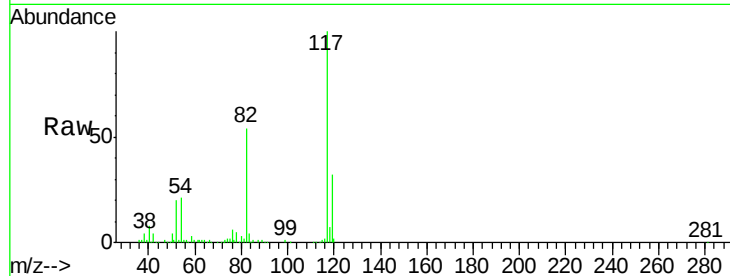




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002535.D
Acq: 15 May 2018 02:16

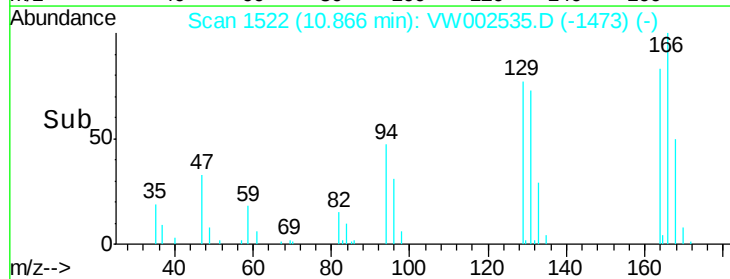
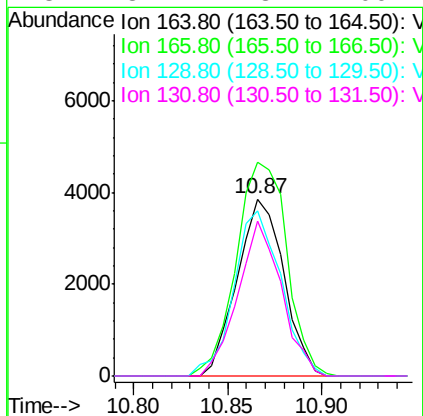
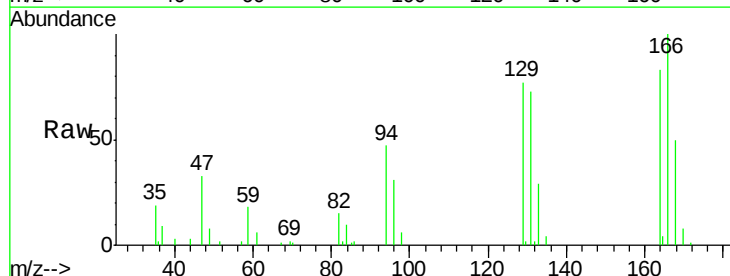
Instrument :
MSVOA_W
ClientSampleId :
SB-20(7.5-8)

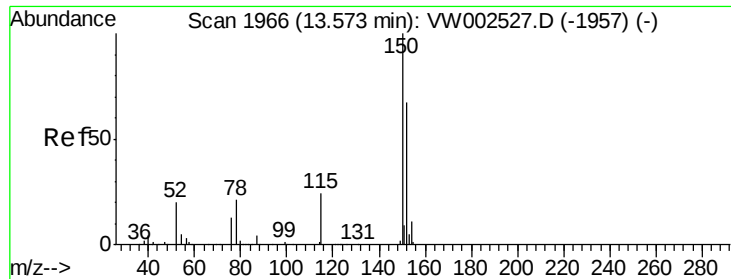
Tgt Ion:117 Resp: 201990
Ion Ratio Lower Upper
117 100
82 54.0 42.6 64.0
119 31.9 25.0 37.6



#64
Tetrachloroethene
Concen: 4.63 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW002535.D
Acq: 15 May 2018 02:16

Tgt Ion:164 Resp: 6593
Ion Ratio Lower Upper
164 100
166 120.6 104.2 156.2
129 93.3 77.0 115.4
131 87.7 73.1 109.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002535.D

Acq: 15 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

SB-20(7.5-8)

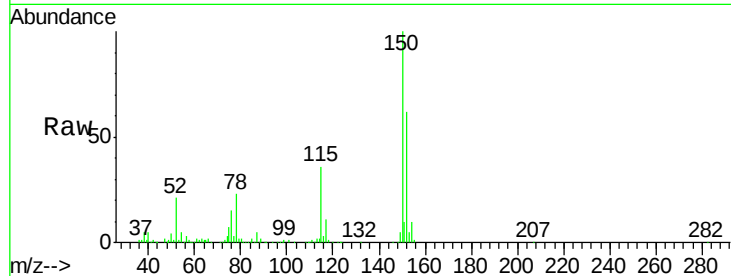
Tgt Ion: 152 Resp: 102205

Ion Ratio Lower Upper

152 100

115 56.9 28.0 84.0

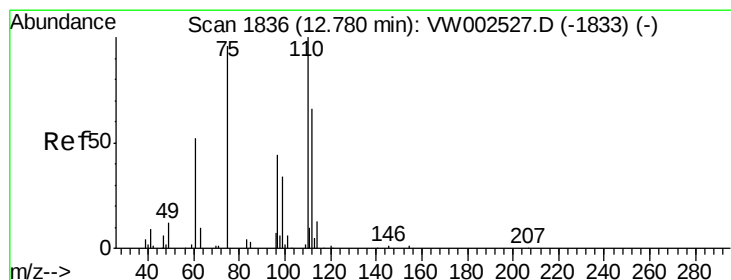
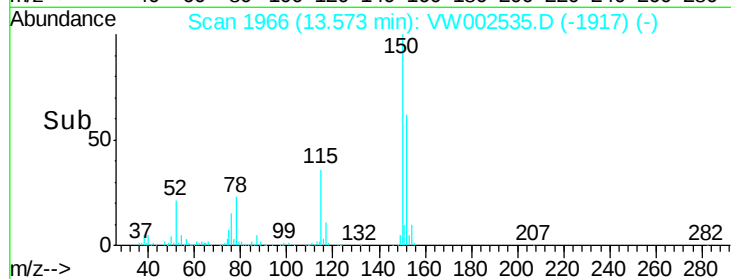
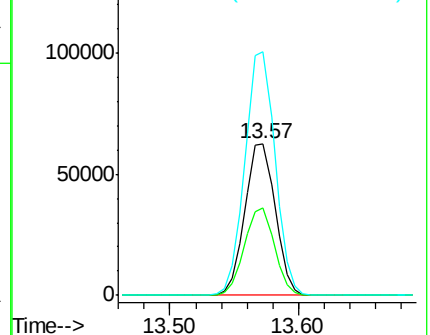
150 159.1 0.0 345.4



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: 39.64 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002535.D

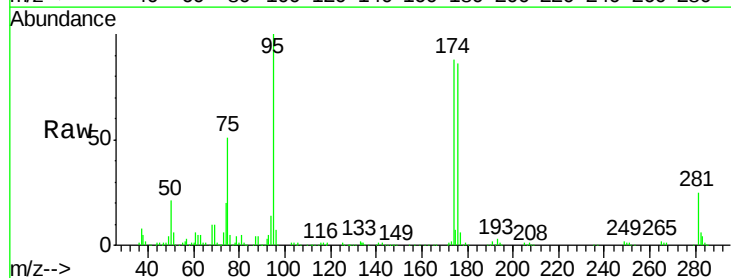
Acq: 15 May 2018 02:16

Tgt Ion: 75 Resp: 38293

Ion Ratio Lower Upper

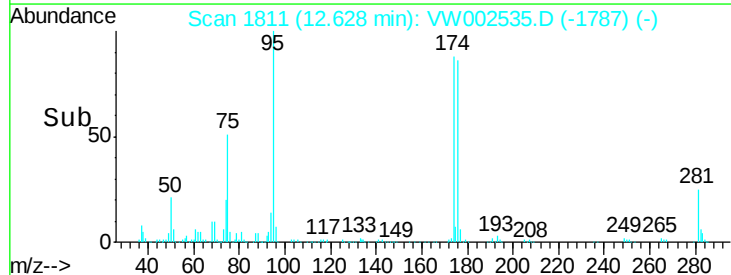
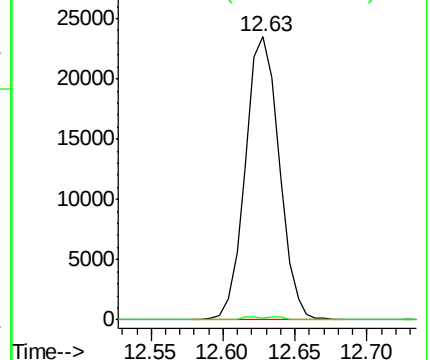
75 100

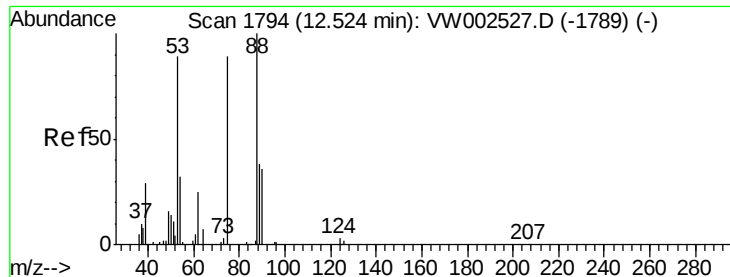
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 108.07 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002535.D

Acq: 15 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

SB-20(7.5-8)

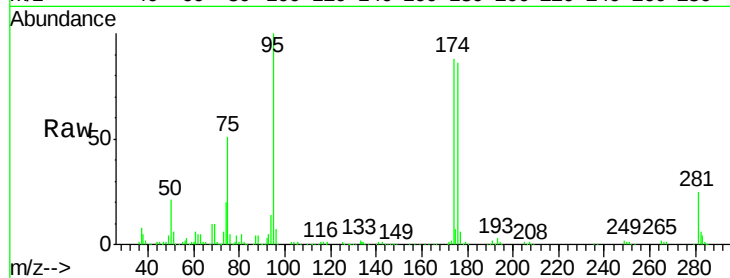
Tgt Ion: 75 Resp: 38293

Ion Ratio Lower Upper

75 100

53 0.1 82.6 124.0#

89 0.3 39.2 58.8#



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

