

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
 Data File : VW005285.D
 Acq On : 11 Sep 2018 19:17
 Operator : SY/AP
 Sample : J4834-02
 Misc : 5.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C-1A

Quant Time: Sep 12 01:08:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	532234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	840691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	813231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	423921	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	196165	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.89	113	177807	40.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.76%	
50) Toluene-d8	10.33	98	820845	36.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.78%	
62) 4-Bromofluorobenzene	12.63	95	312284	38.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.74%	

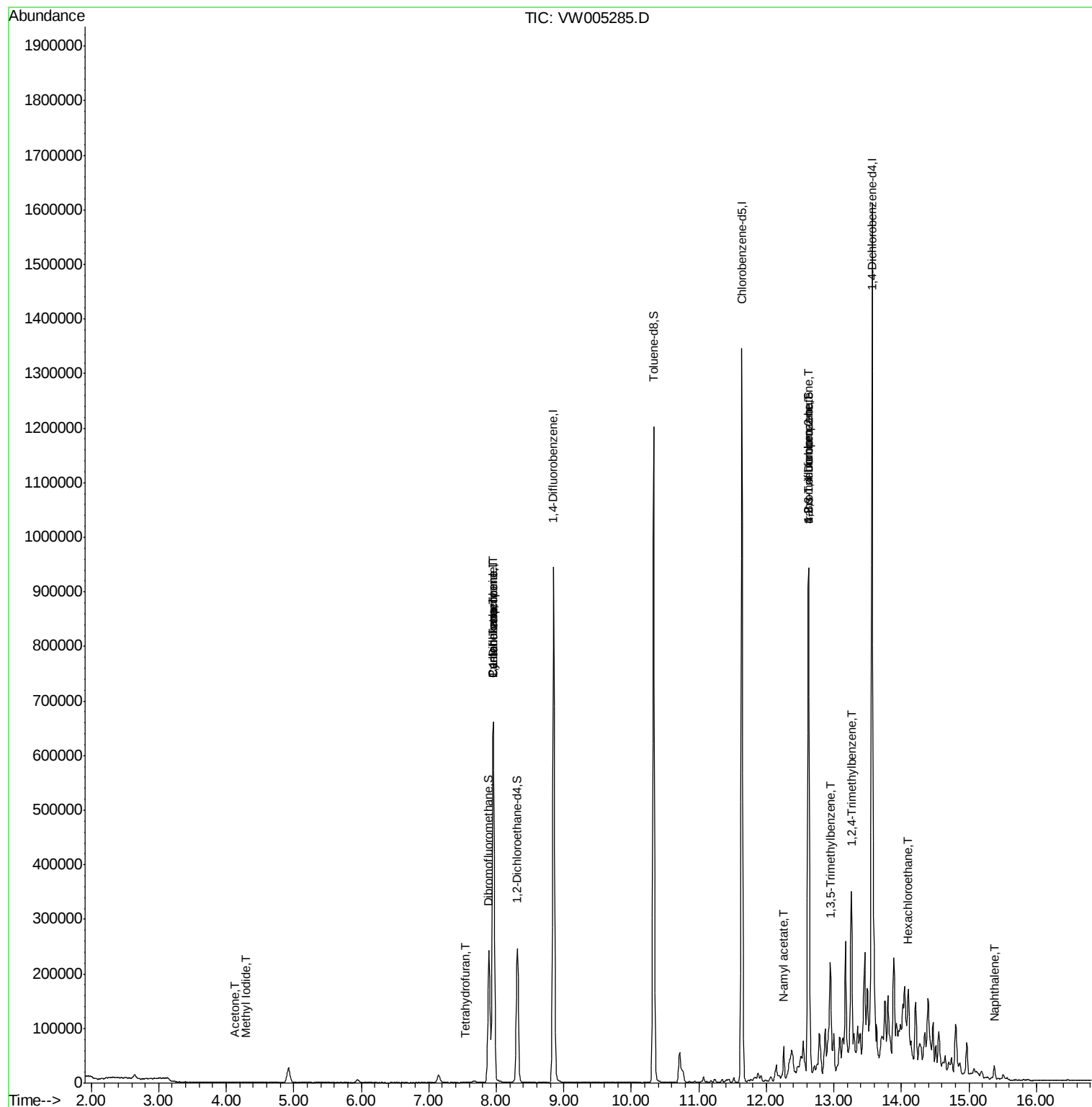
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	740	Below Cal	#	45
10) Methyl Iodide	4.28	142	744	3.449	ug/l #	72
16) Acetone	4.14	43	1880	2.551	ug/l	100
29) Tetrahydrofuran	7.54	42	1055	1.347	ug/l #	59
31) Cyclohexane	7.95	56	9138	1.076	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	35839	4.653	ug/l #	48
38) Carbon Tetrachloride	7.96	117	47915	6.641	ug/l #	16
74) N-amyl acetate	12.26	43	10790	1.893	ug/l #	68
76) 1,2,3-Trichloropropane	12.62	75	145741	44.698	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	46301	1.815	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	145741	104.826	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.26	105	179488	7.003	ug/l	99
90) Hexachloroethane	14.11	117	5152	1.133	ug/l #	5
95) Naphthalene	15.38	128	23555	1.577	ug/l	99

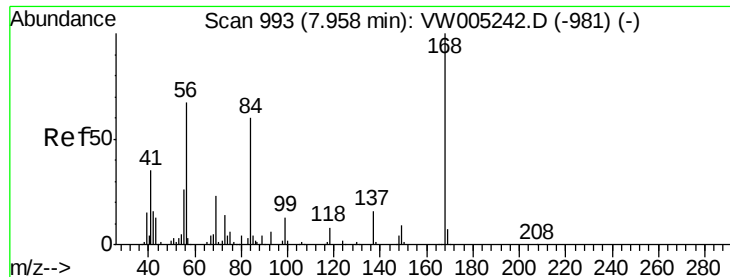
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005285.D

Acq: 11 Sep 2018 19:17

Instrument :

MSVOA_W

ClientSampled :

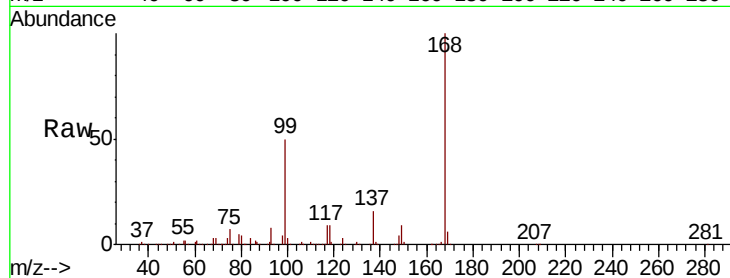
C-1A

Tgt Ion:168 Resp: 532234

Ion Ratio Lower Upper

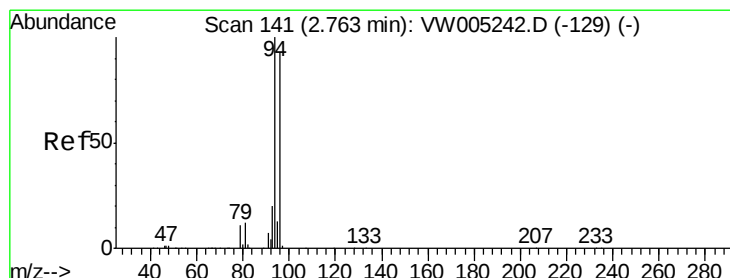
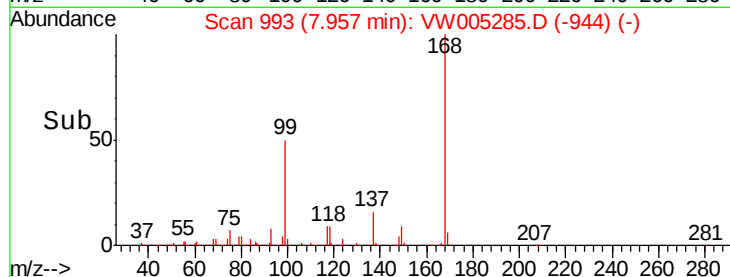
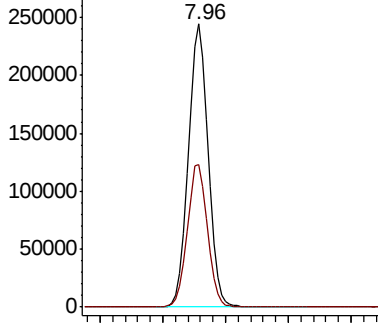
168 100

99 50.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW005285.D

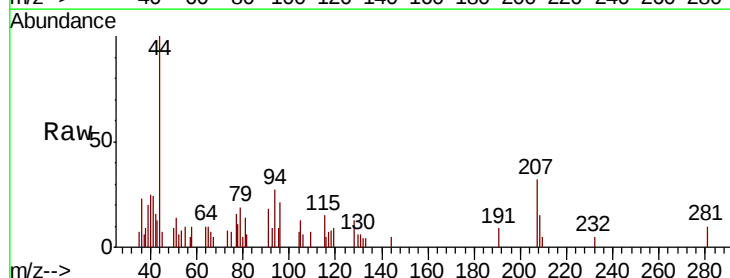
Acq: 11 Sep 2018 19:17

Tgt Ion: 94 Resp: 740

Ion Ratio Lower Upper

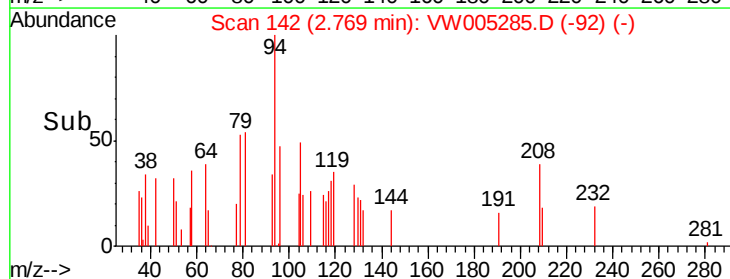
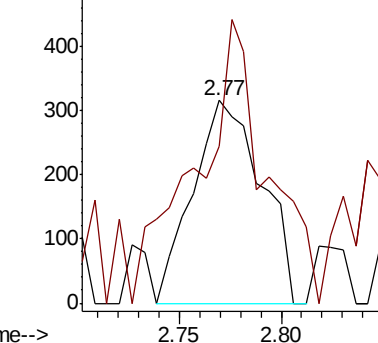
94 100

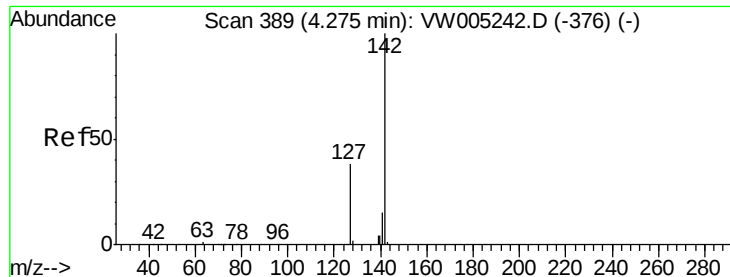
96 40.0 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

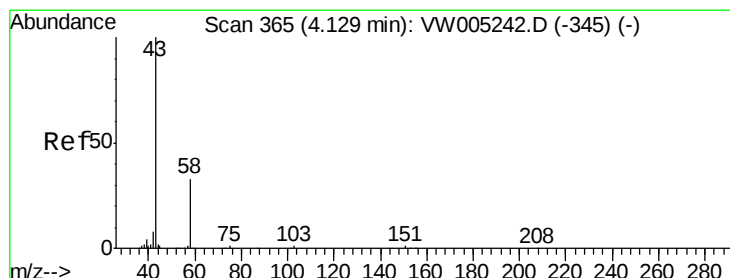
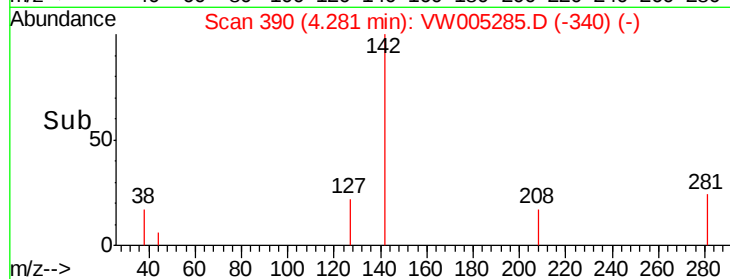
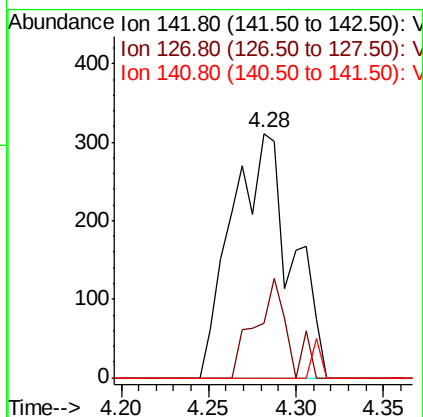
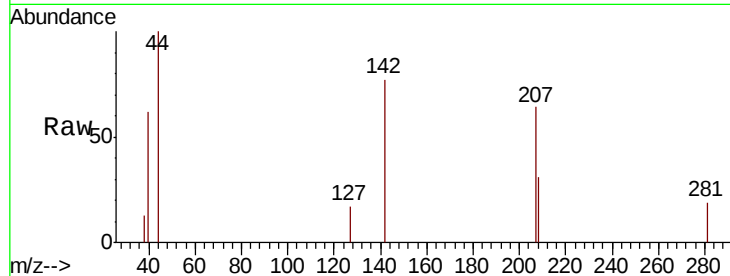




#10
Methyl Iodide
Concen: 3.449 ug/l
RT: 4.28 min Scan# 390
Delta R.T. 0.01 min
Lab File: VW005285.D
Acq: 11 Sep 2018 19:17

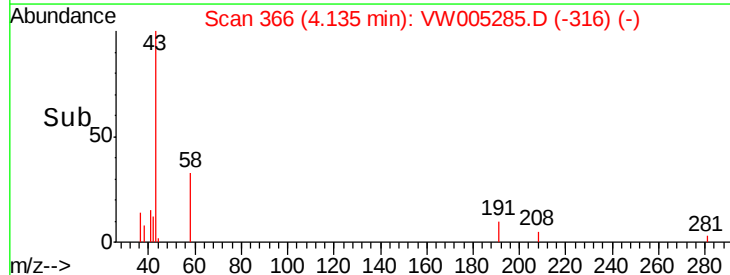
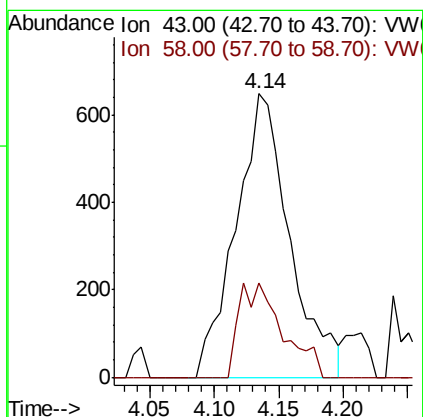
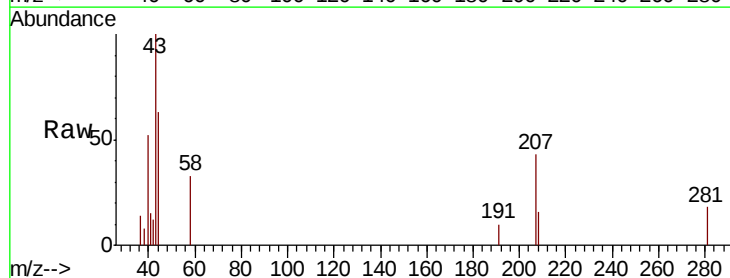
Instrument :
MSVOA_W
ClientSampled :
C-1A

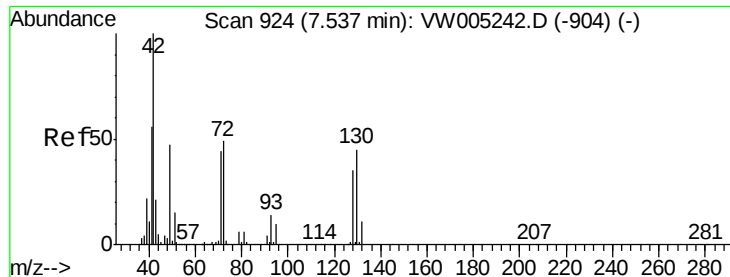
Tgt Ion:142 Resp: 744
Ion Ratio Lower Upper
142 100
127 22.4 30.3 45.5#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 2.551 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW005285.D
Acq: 11 Sep 2018 19:17

Tgt Ion: 43 Resp: 1880
Ion Ratio Lower Upper
43 100
58 33.3 26.7 40.1

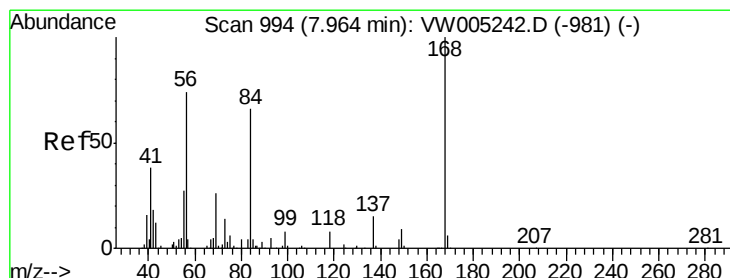
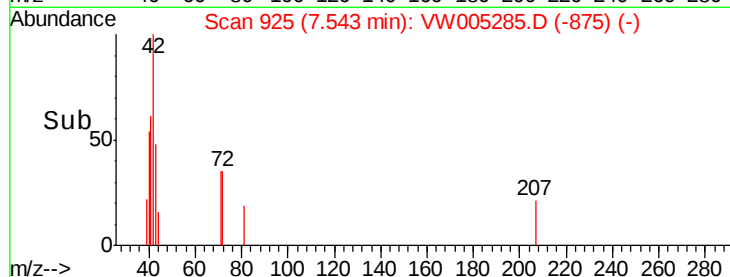
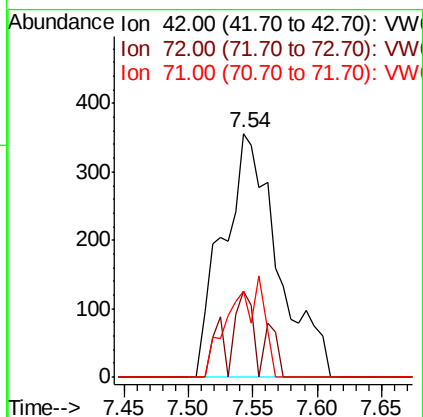
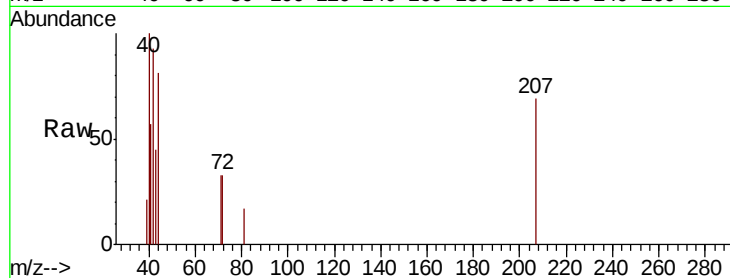




#29
Tetrahydrofuran
Concen: 1.347 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW005285.D
Acq: 11 Sep 2018 19:17

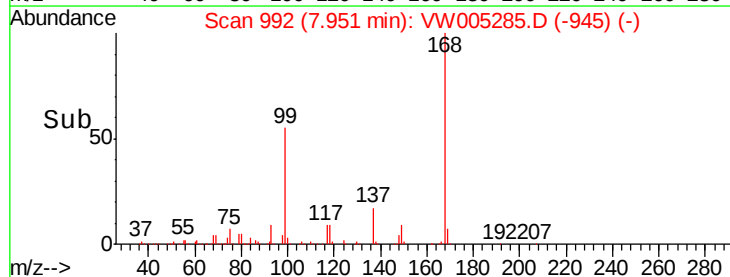
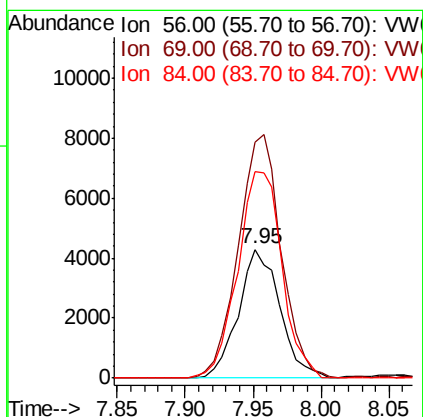
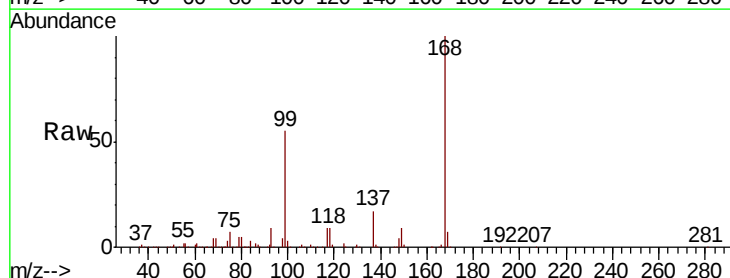
Instrument :
MSVOA_W
ClientSampleId :
C-1A

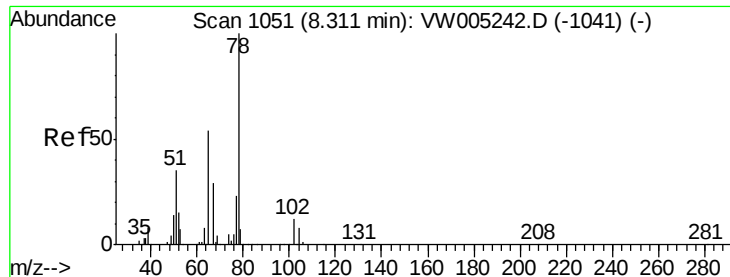
Tgt Ion: 42 Resp: 1055
Ion Ratio Lower Upper
42 100
72 11.3 37.5 56.3#
71 25.5 34.8 52.2#



#31
Cyclohexane
Concen: 1.076 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005285.D
Acq: 11 Sep 2018 19:17

Tgt Ion: 56 Resp: 9138
Ion Ratio Lower Upper
56 100
69 183.4 27.8 41.8#
84 160.0 72.1 108.1#

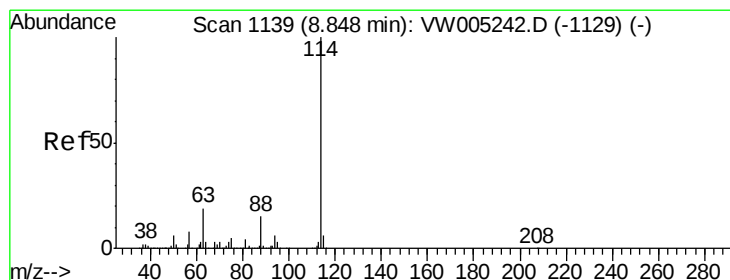
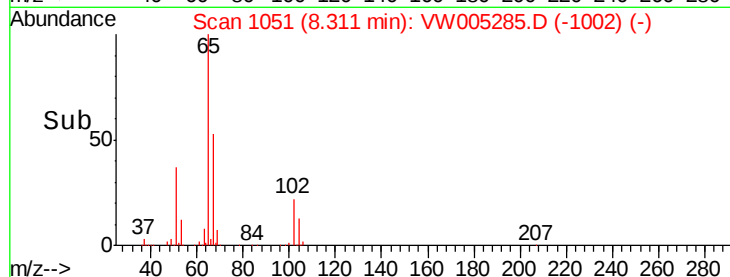
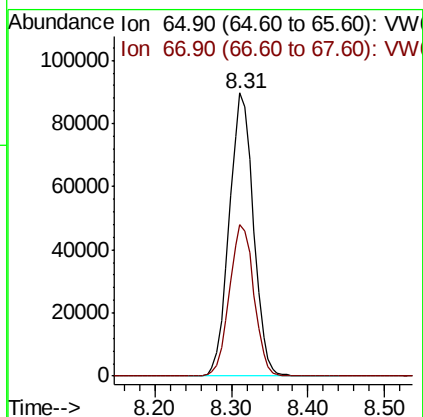
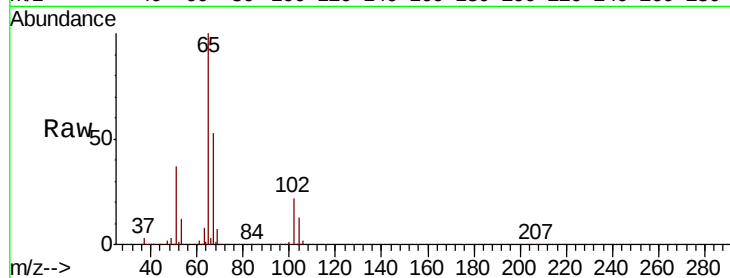




#33
 1,2-Dichloroethane-d4
 Concen: 49.415 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005285.D
 Acq: 11 Sep 2018 19:17

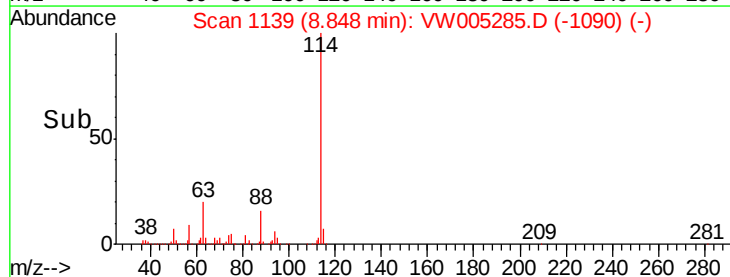
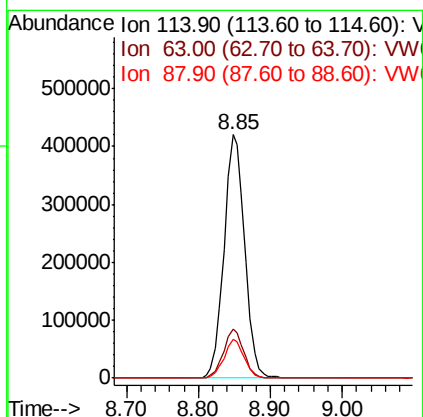
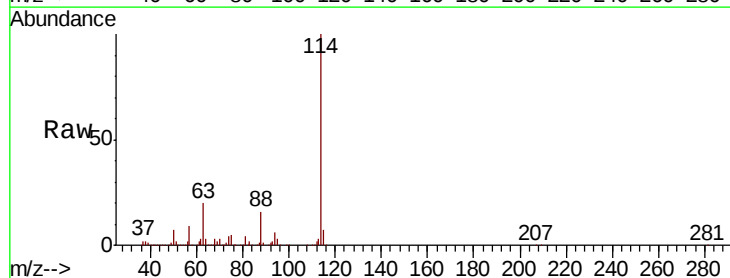
Instrument :
 MSVOA_W
 ClientSampleId :
 C-1A

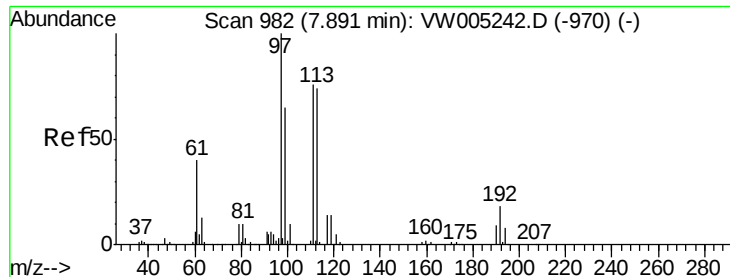
Tgt Ion: 65 Resp: 196165
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005285.D
 Acq: 11 Sep 2018 19:17

Tgt Ion: 114 Resp: 840691
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 37.0
 88 15.8 0.0 30.4

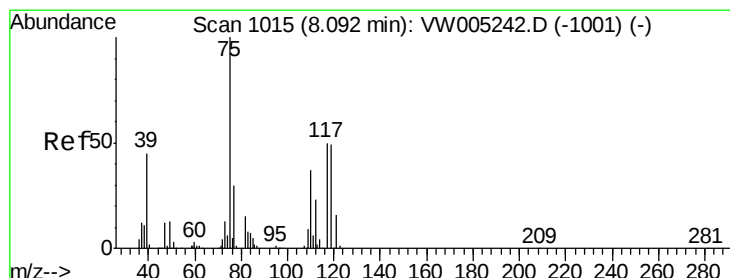
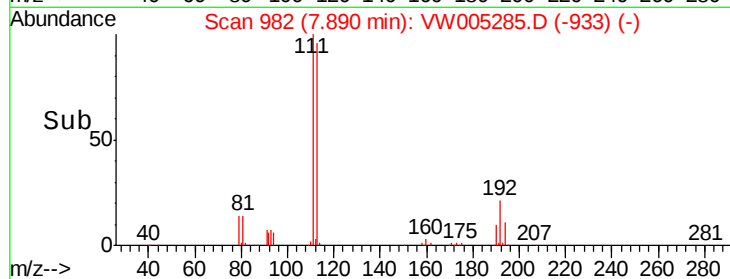
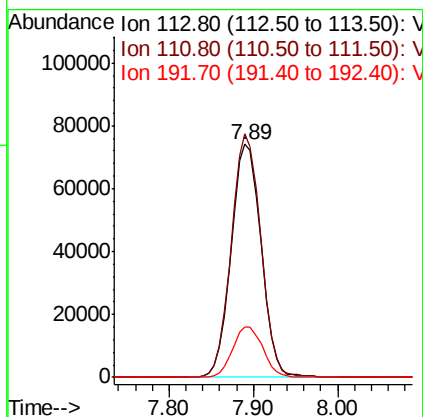
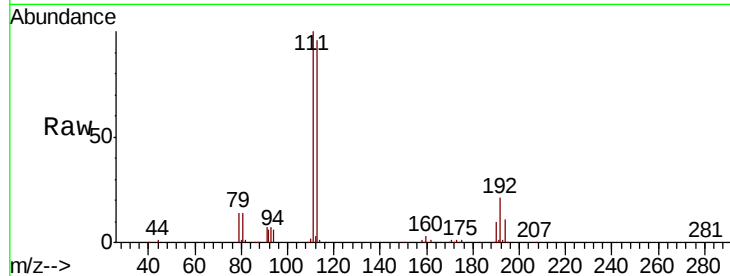




#35
 Dibromofluoromethane
 Concen: 40.375 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005285.D
 Acq: 11 Sep 2018 19:17

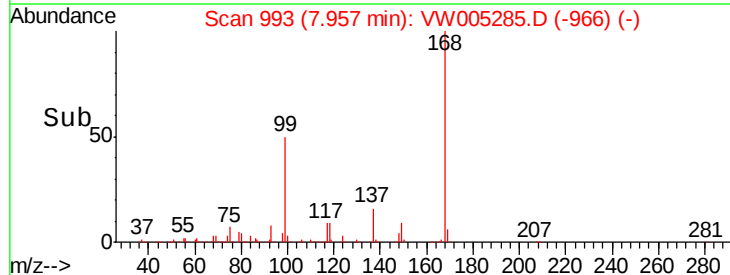
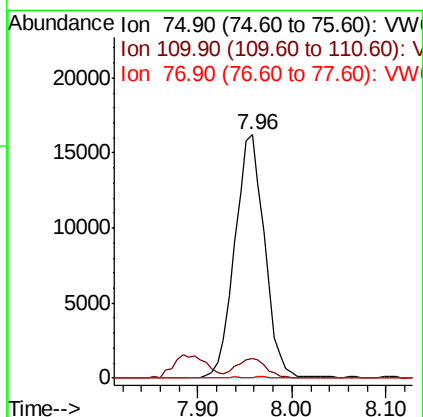
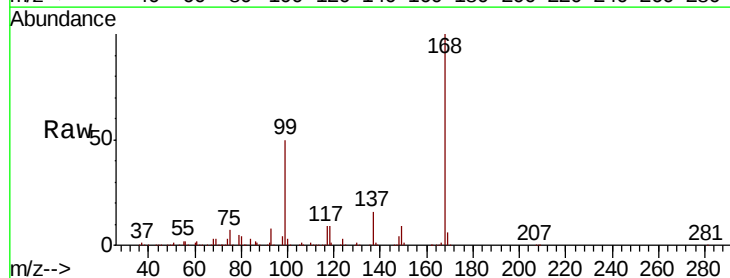
Instrument :
 MSVOA_W
 ClientSampled :
 C-1A

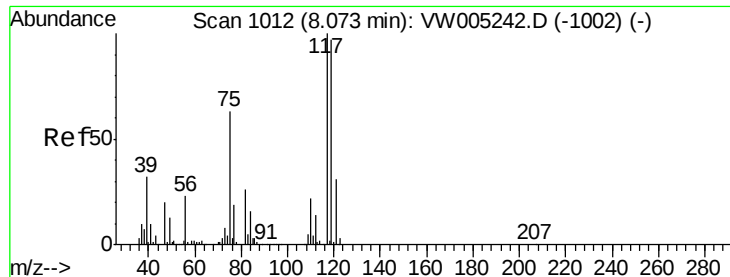
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.6	121.0
192	21.8	18.3	27.5



#36
 1,1-Dichloropropene
 Concen: 4.653 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005285.D
 Acq: 11 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.8	56.4#
77	0.2	24.9	37.3#

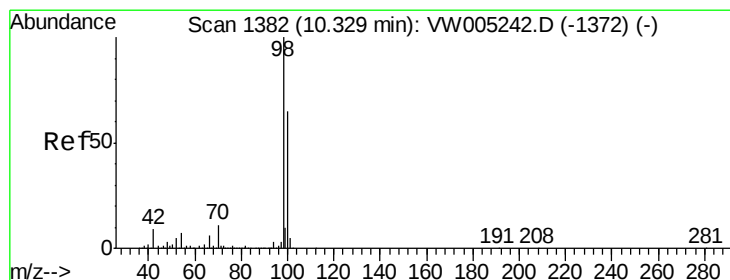
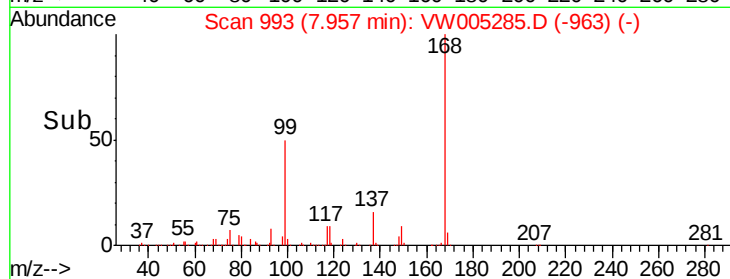
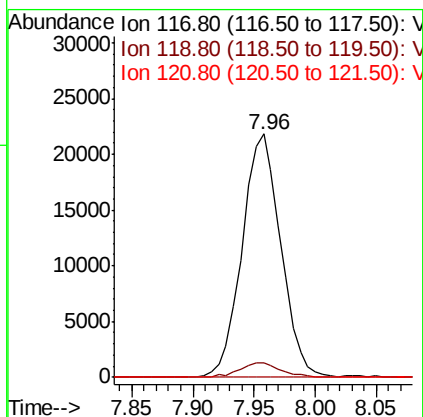
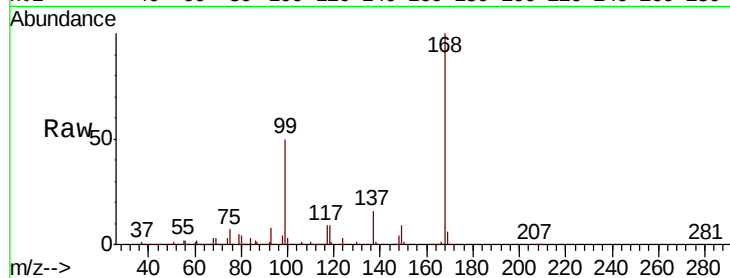




#38
Carbon Tetrachloride
Concen: 6.641 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.12 min
Lab File: VW005285.D
Acq: 11 Sep 2018 19:17

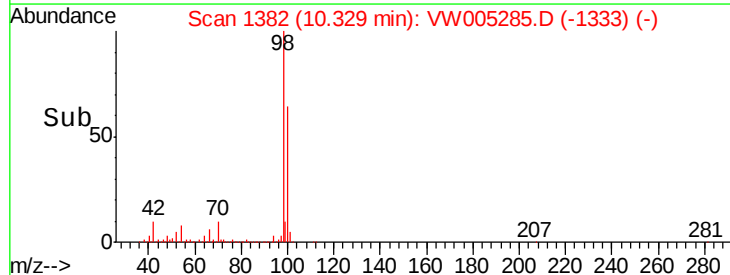
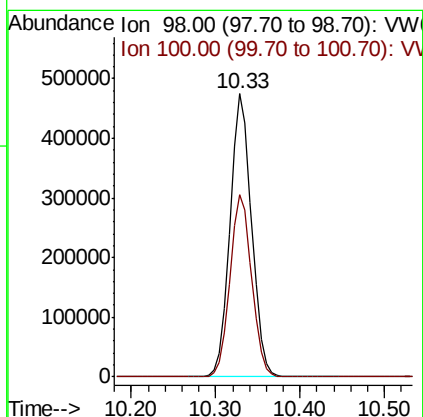
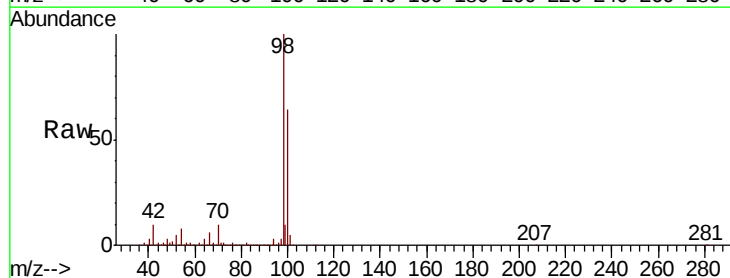
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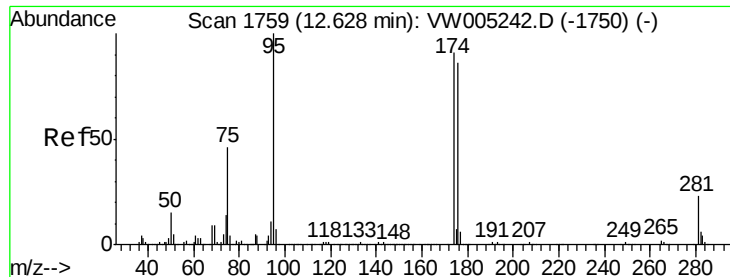
Tgt Ion: 117 Resp: 47915
Ion Ratio Lower Upper
117 100
119 6.0 77.5 116.3#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 36.886 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005285.D
Acq: 11 Sep 2018 19:17

Tgt Ion: 98 Resp: 820845
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0

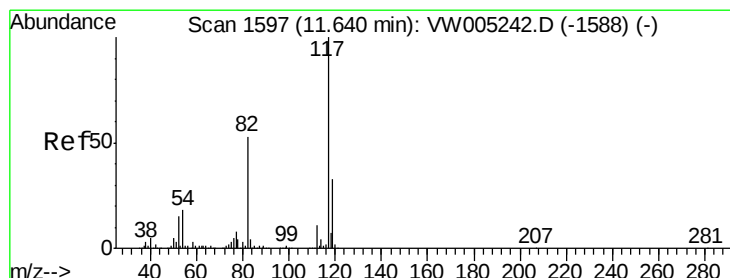
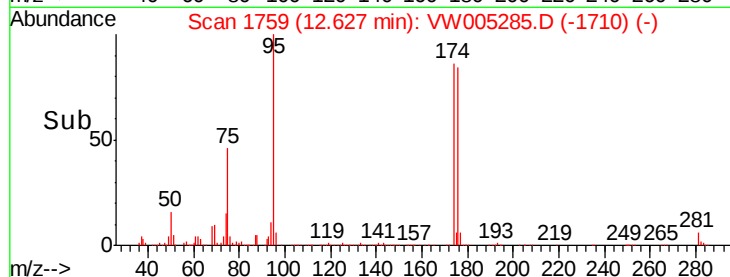
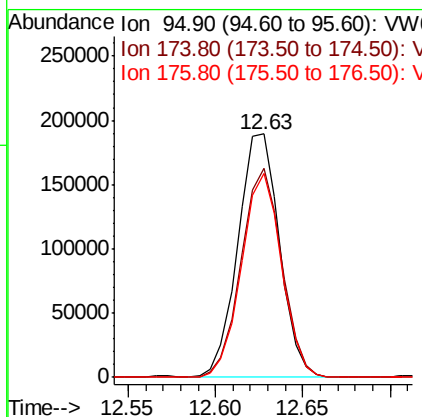
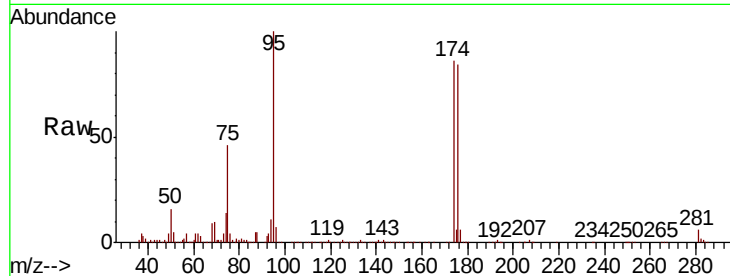




#62
4-Bromofluorobenzene
Concen: 38.366 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. -0.00 min
Lab File: VW005285.D
Acq: 11 Sep 2018 19:17

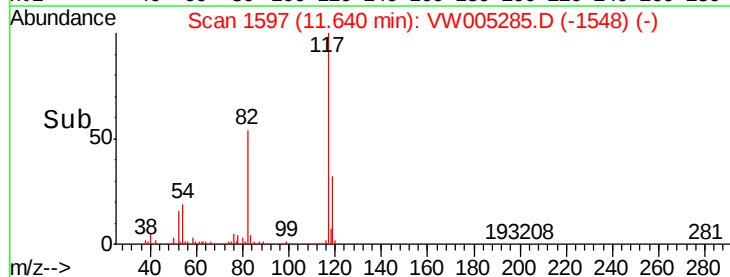
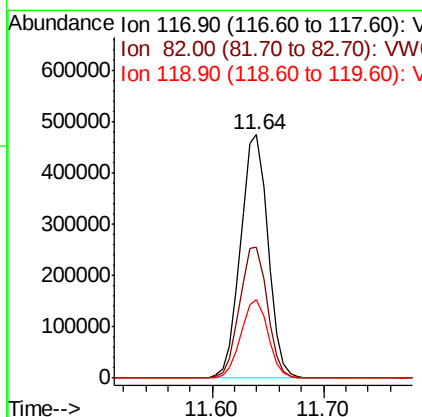
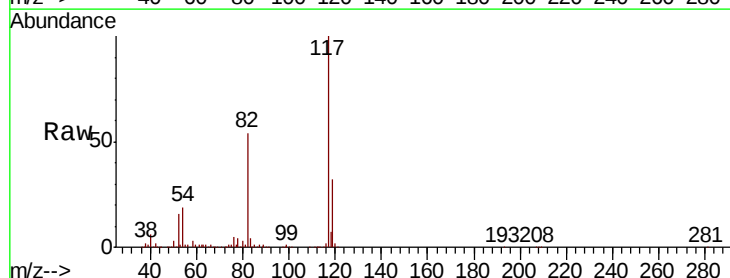
Instrument :
MSVOA_W
ClientSampleId :
C-1A

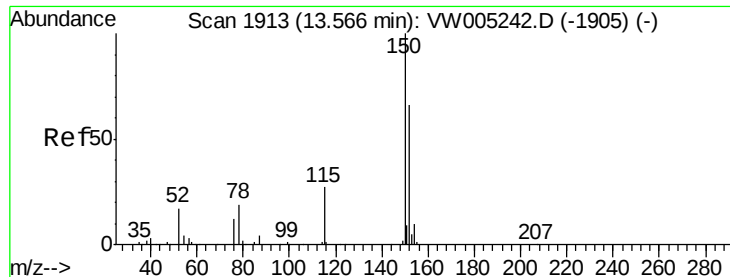
Tgt Ion: 95 Resp: 312284
Ion Ratio Lower Upper
95 100
174 84.2 0.0 174.6
176 81.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005285.D
Acq: 11 Sep 2018 19:17

Tgt Ion: 117 Resp: 813231
Ion Ratio Lower Upper
117 100
82 54.0 42.6 63.8
119 32.0 26.2 39.4

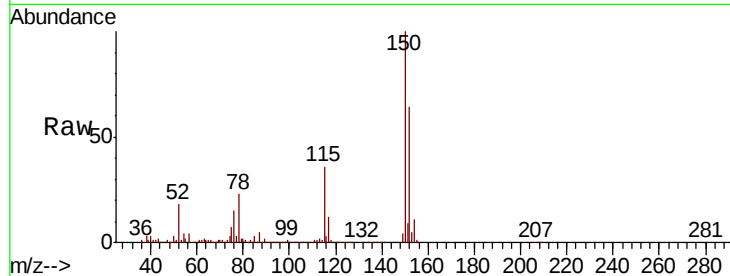




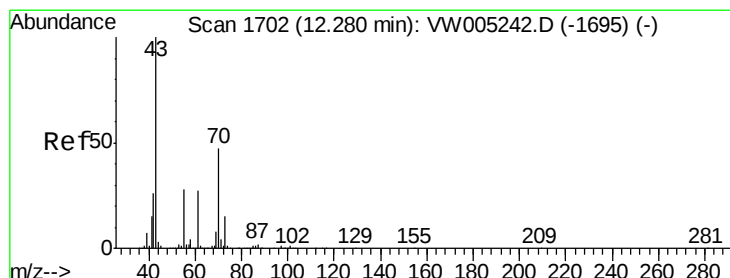
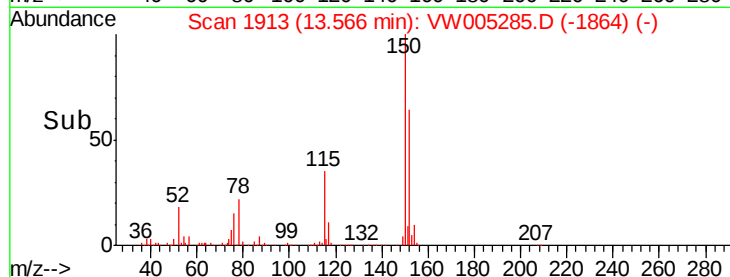
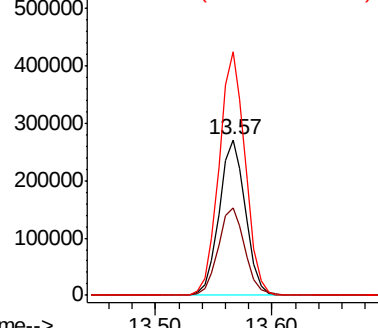
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VW005285.D
 Acq: 11 Sep 2018 19:17

Instrument :
 MSVOA_W
 ClientSampled :
 C-1A

Tgt Ion:152 Resp: 423921
 Ion Ratio Lower Upper
 152 100
 115 57.5 27.5 82.4
 150 156.5 0.0 347.4

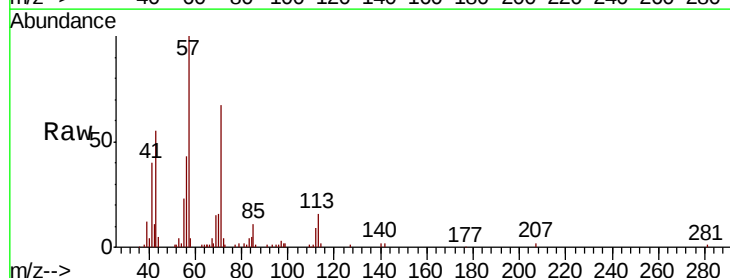


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

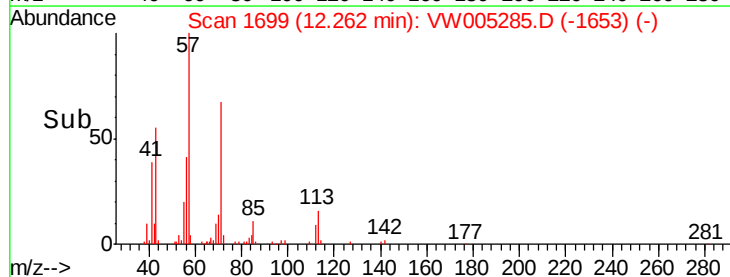
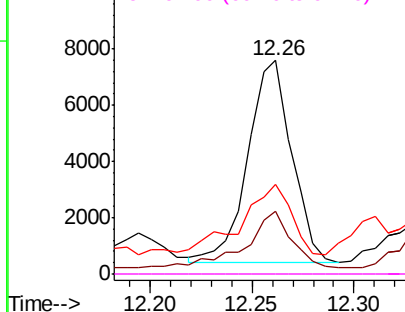


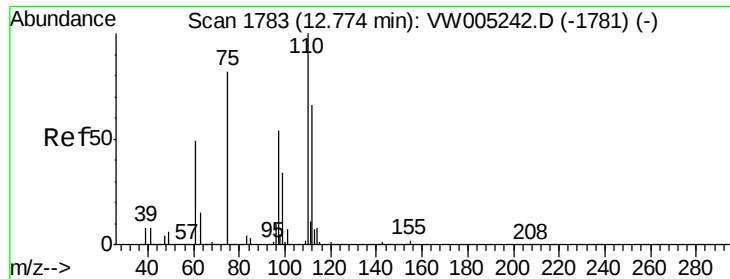
#74
 N-ethyl acetate
 Concen: 1.893 ug/l
 RT: 12.26 min Scan# 1699
 Delta R.T. -0.02 min
 Lab File: VW005285.D
 Acq: 11 Sep 2018 19:17

Tgt Ion: 43 Resp: 10790
 Ion Ratio Lower Upper
 43 100
 70 29.5 37.9 56.9#
 55 40.5 22.6 33.8#
 61 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 70.00 (69.70 to 70.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 61.00 (60.70 to 61.70): VW

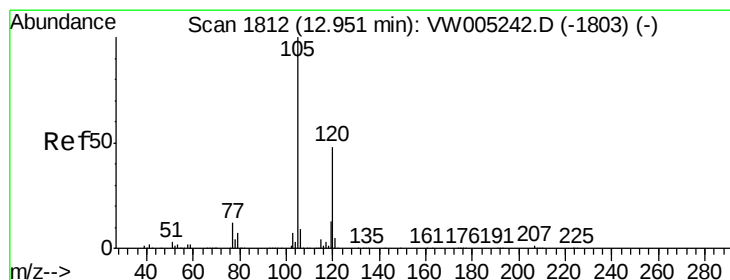
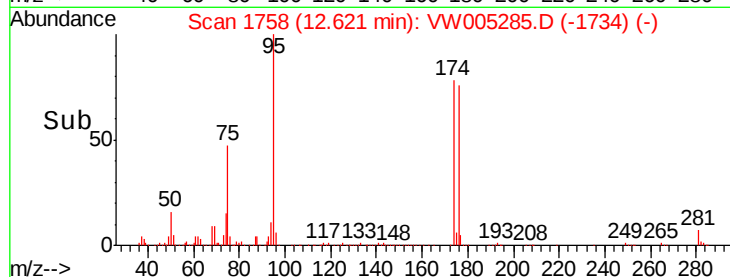
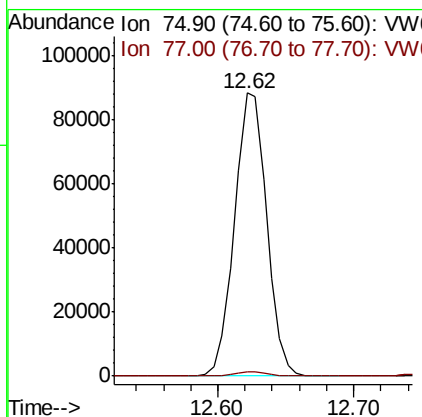
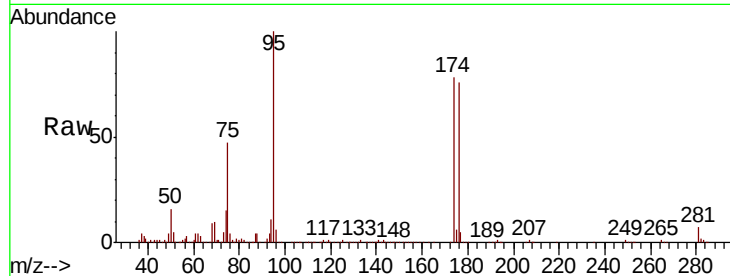




#76
 1,2,3-Trichloropropane
 Concen: 44.698 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005285.D
 Acq: 11 Sep 2018 19:17

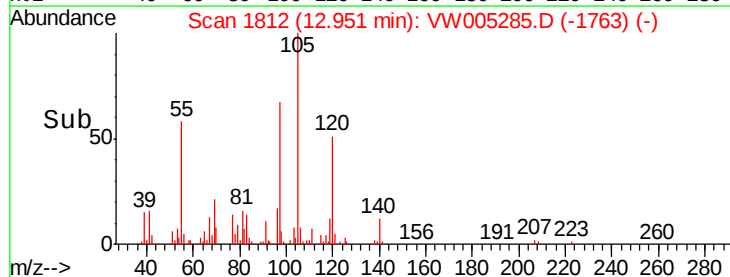
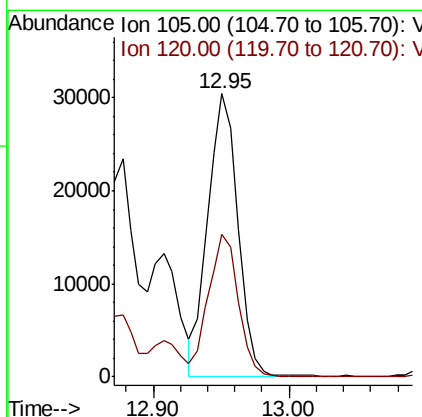
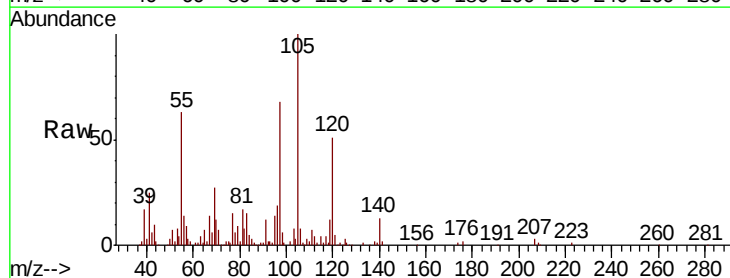
Instrument :
 MSVOA_W
 ClientSampleId :
 C-1A

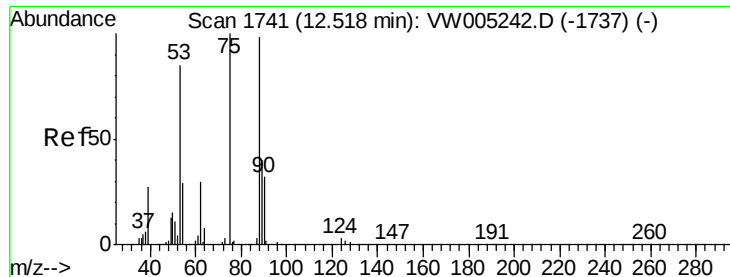
Tgt Ion: 75 Resp: 145741
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.815 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW005285.D
 Acq: 11 Sep 2018 19:17

Tgt Ion: 105 Resp: 46301
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 104.826 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005285.D

Acq: 11 Sep 2018 19:17

Instrument :

MSVOA_W

ClientSampleId :

C-1A

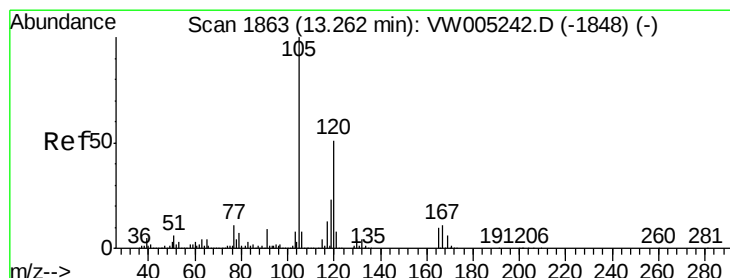
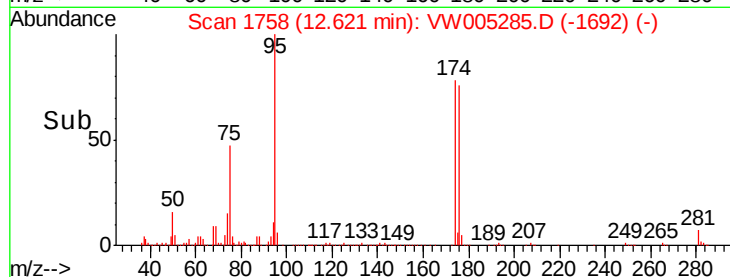
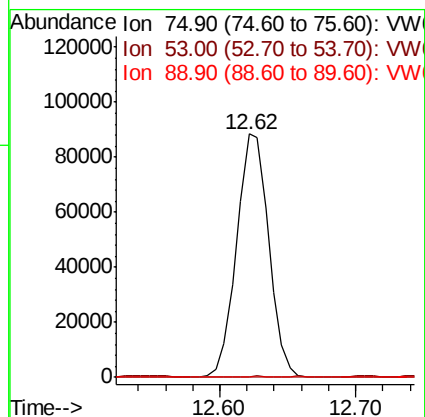
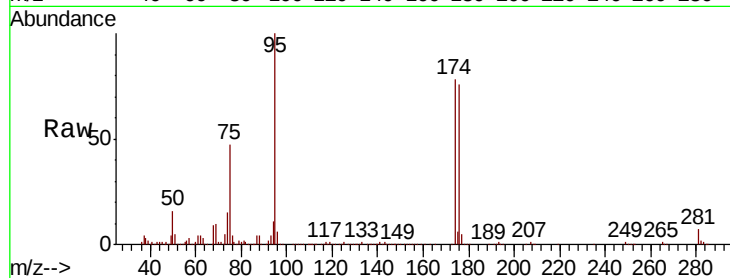
Tgt Ion: 75 Resp: 145741

Ion Ratio Lower Upper

75 100

53 0.3 67.0 100.6#

89 0.1 37.0 55.4#



#84

1,2,4-Trimethylbenzene

Concen: 7.003 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.01 min

Lab File: VW005285.D

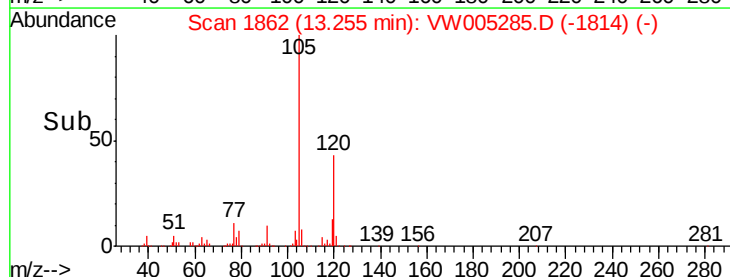
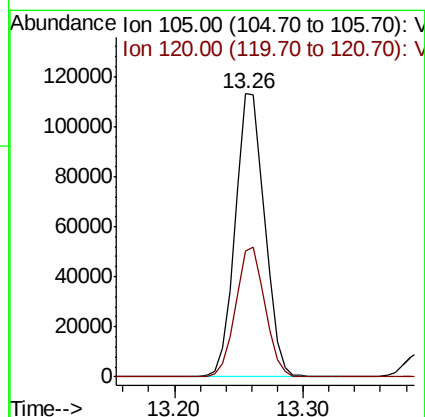
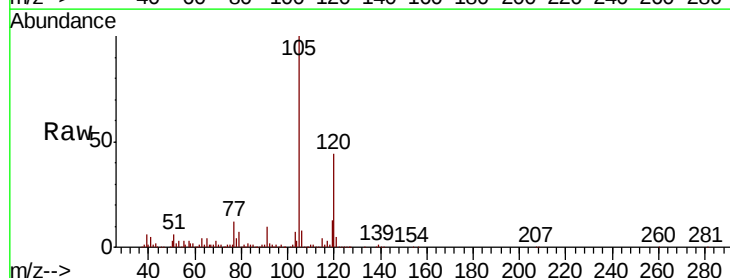
Acq: 11 Sep 2018 19:17

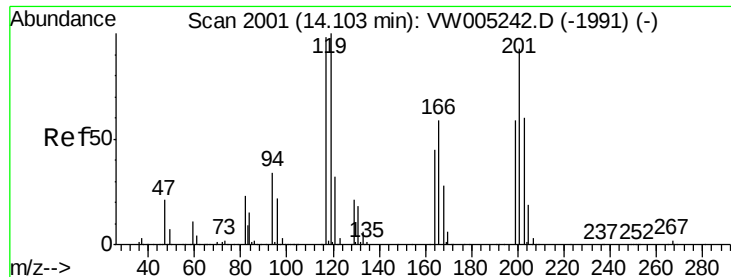
Tgt Ion: 105 Resp: 179488

Ion Ratio Lower Upper

105 100

120 45.9 23.4 70.3





#90

Hexachloroethane

Concen: 1.133 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW005285.D

Acq: 11 Sep 2018 19:17

Instrument :

MSVOA_W

ClientSampled :

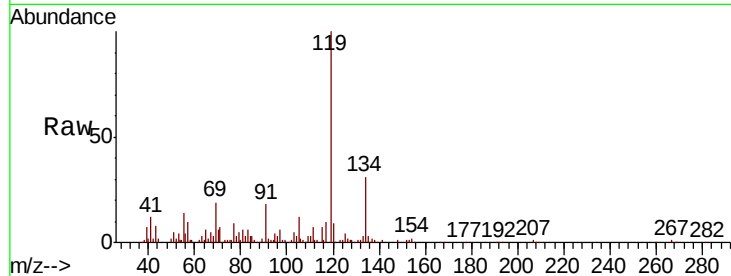
C-1A

Tgt Ion:117 Resp: 5152

Ion Ratio Lower Upper

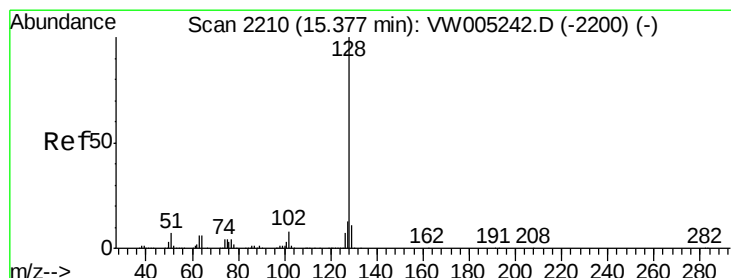
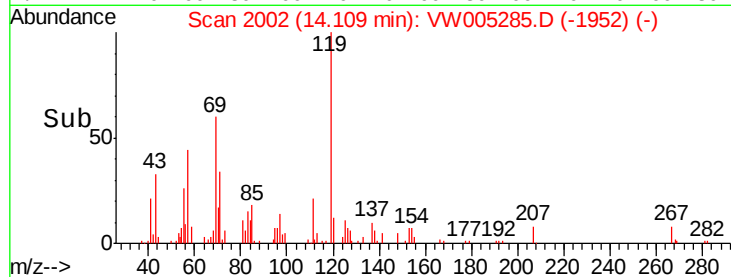
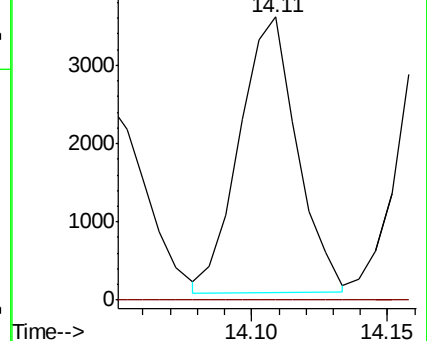
117 100

201 0.0 44.0 132.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 1.577 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005285.D

Acq: 11 Sep 2018 19:17

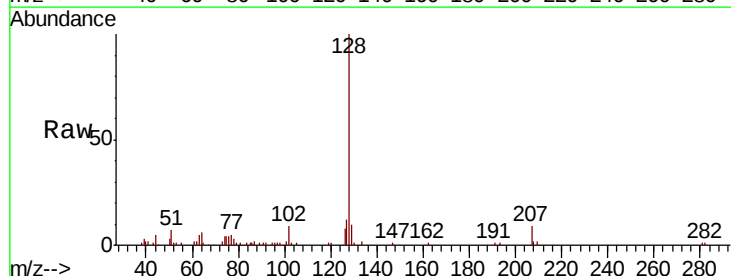
Tgt Ion:128 Resp: 23555

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

