

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111318\
 Data File : VD060363.D
 Acq On : 13 Nov 2018 16:27
 Operator : JC/SY
 Sample : J5889-05
 Misc : 9.5a/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 14 11:12:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1653414	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	2356335	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.29	117	1881095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	928079	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	490048	41.39	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	82.78%	
35) Dibromofluoromethane	6.33	113	653987	37.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	74.44%	
50) Toluene-d8	9.46	98	1798089	34.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	69.94%	
62) 4-Bromofluorobenzene	12.43	95	674404	36.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	72.38%	

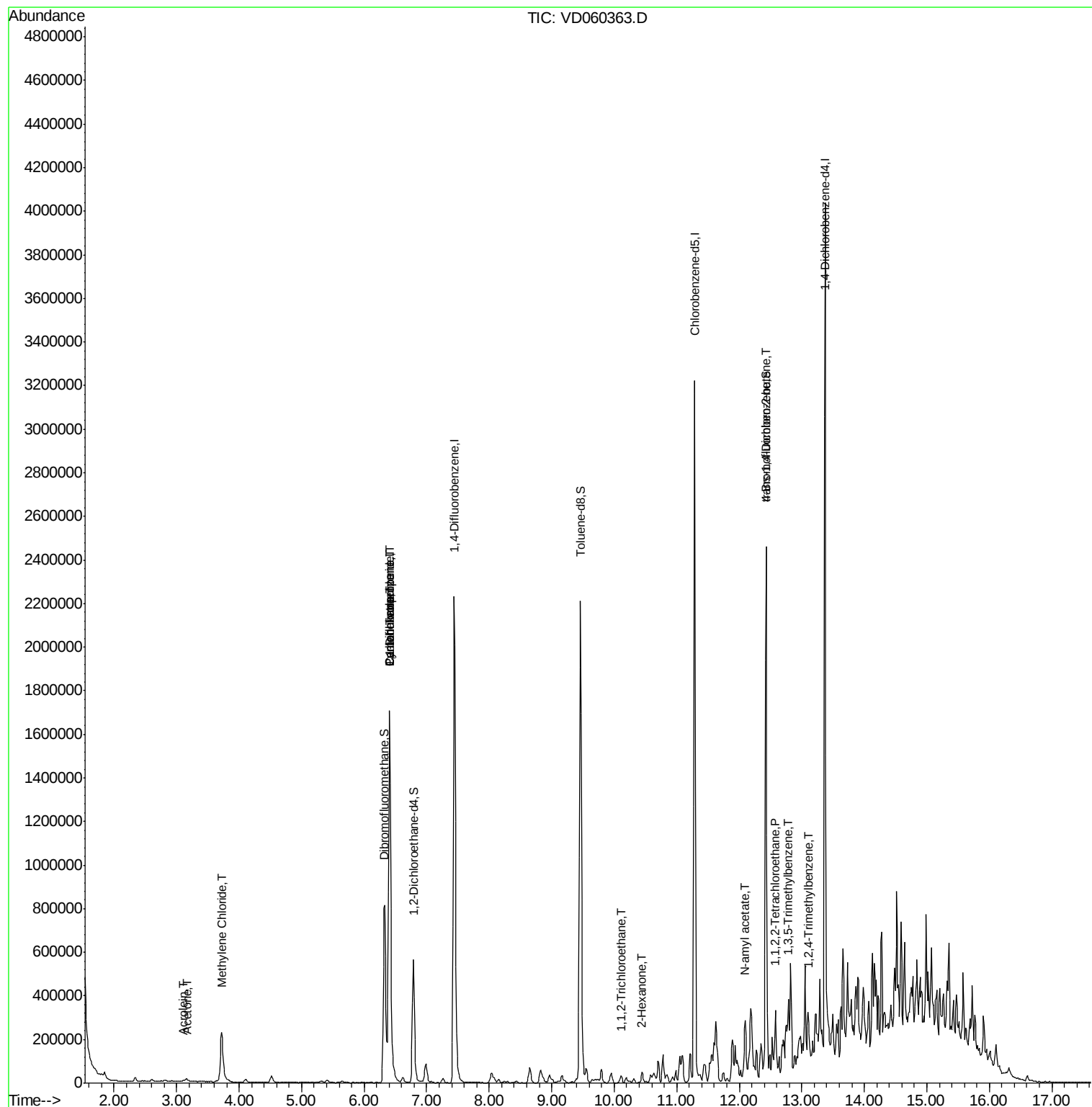
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	874	Below Cal	#	41
13) Acrolein	3.11	56	1088	1.894	ug/l	94
16) Acetone	3.16	43	28893	14.070	ug/l #	90
20) Methylene Chloride	3.72	84	137314	7.538	ug/l	94
31) Cyclohexane	6.40	56	42109	1.490	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	122342	5.255	ug/l #	46
38) Carbon Tetrachloride	6.41	117	129588	6.001	ug/l #	16
55) 1,1,2-Trichloroethane	10.11	97	13458	1.223	ug/l #	19
59) 2-Hexanone	10.44	43	26058	4.175	ug/l #	31
74) N-amyl acetate	12.10	43	48073	2.773	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.58	83	18343	1.659	ug/l #	51
80) 1,3,5-Trimethylbenzene	12.79	105	53709	1.022	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.43	75	277423	87.772	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.09	105	56612	1.079	ug/l	98
89) n-Butylbenzene	13.65	91	48552	Below Cal		98

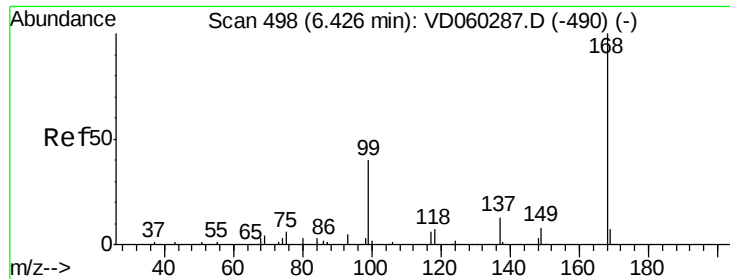
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060363.D

Acq: 13 Nov 2018 16:27

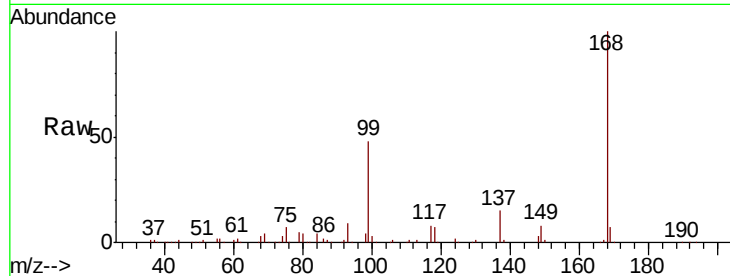
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1653414

Ion Ratio Lower Upper

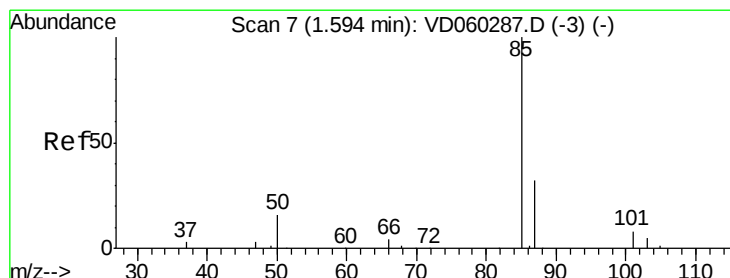
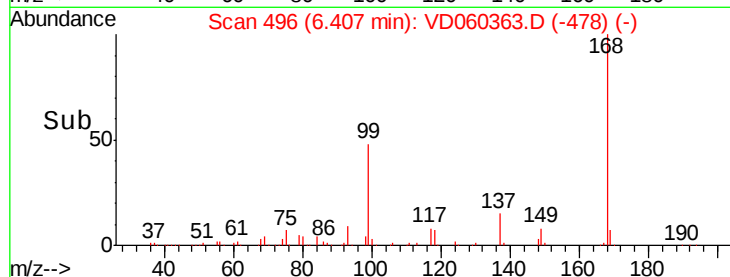
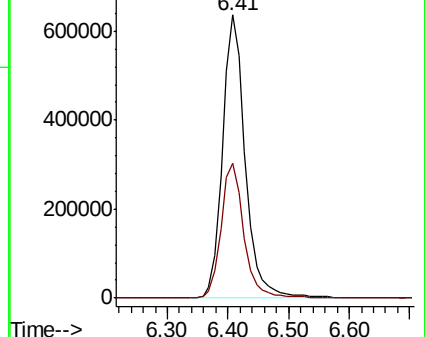
168 100

99 47.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060363.D

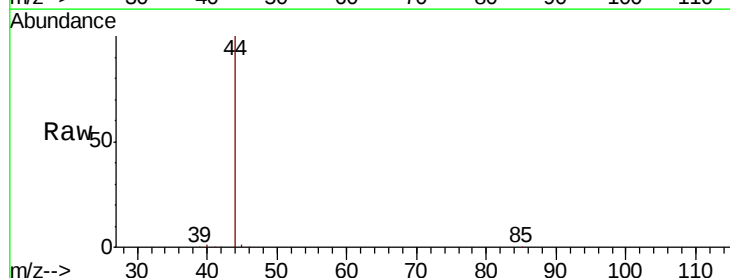
Acq: 13 Nov 2018 16:27

Tgt Ion: 85 Resp: 874

Ion Ratio Lower Upper

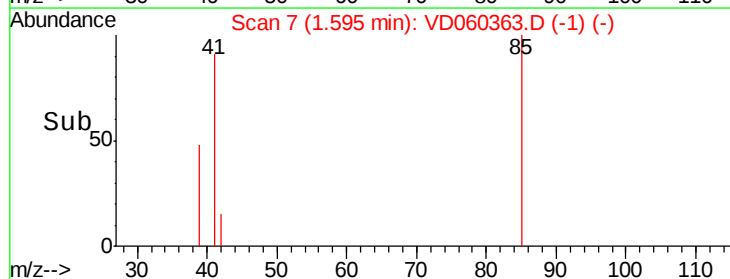
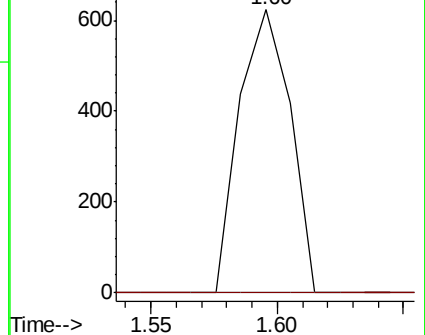
85 100

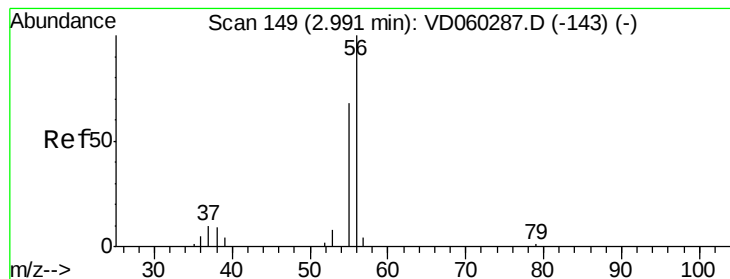
87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#13

Acrolein

Concen: 1.894 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.12 min

Lab File: VD060363.D

Acq: 13 Nov 2018 16:27

Instrument :

MSVOA_D

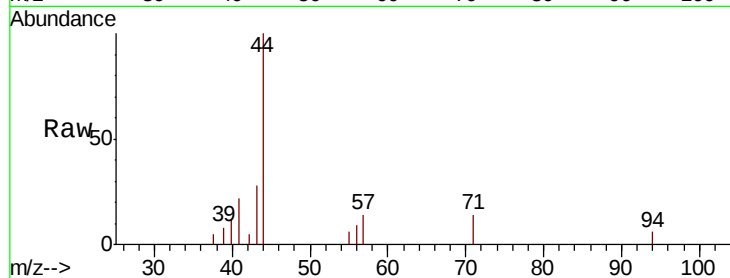
ClientSampled :

Tot Ion: 56 Resp: 1088

Ion Ratio Lower Upper

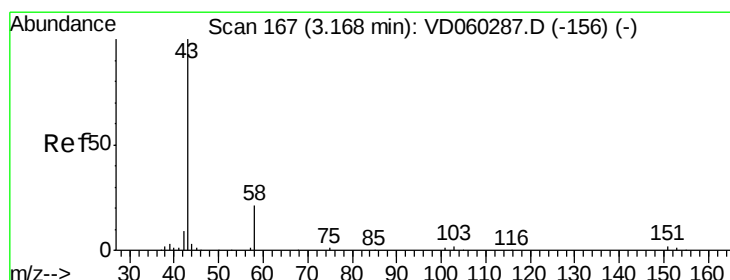
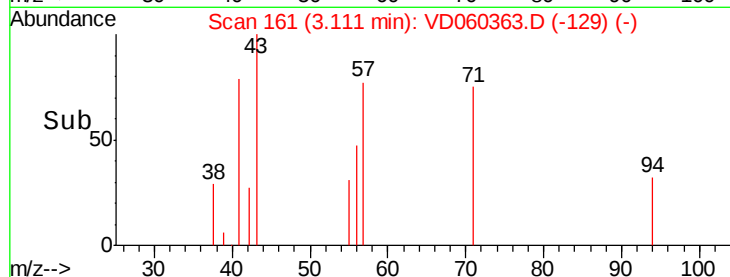
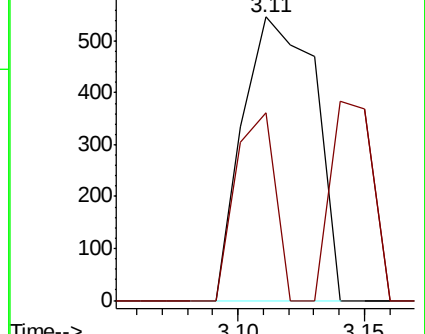
56 100

55 66.3 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 14.070 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060363.D

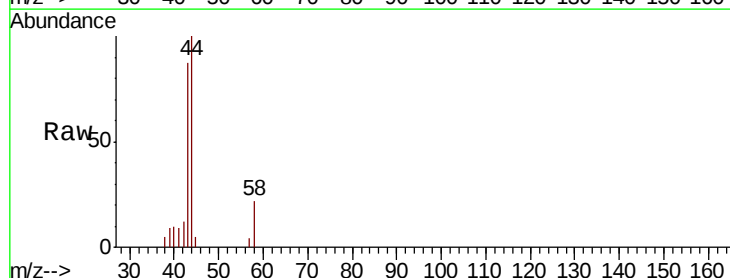
Acq: 13 Nov 2018 16:27

Tgt Ion: 43 Resp: 28893

Ion Ratio Lower Upper

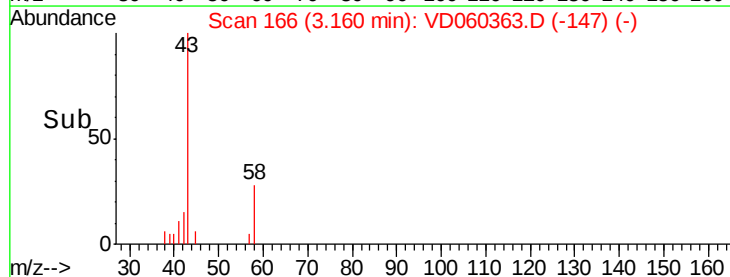
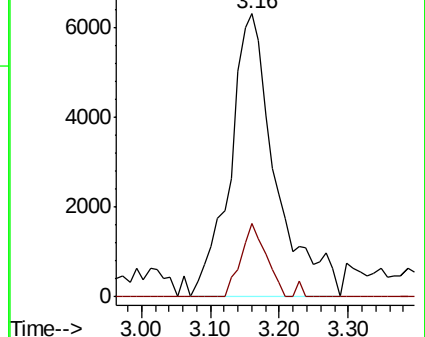
43 100

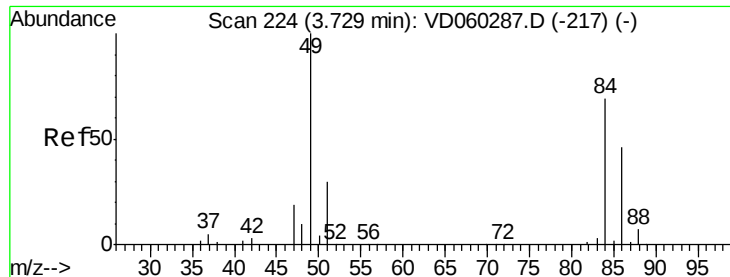
58 25.9 16.9 25.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

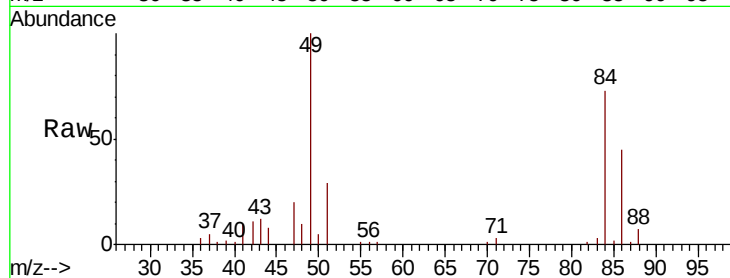




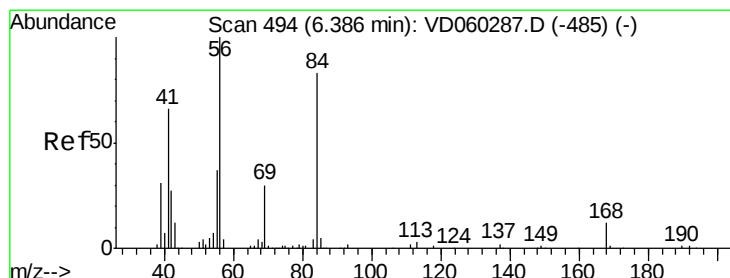
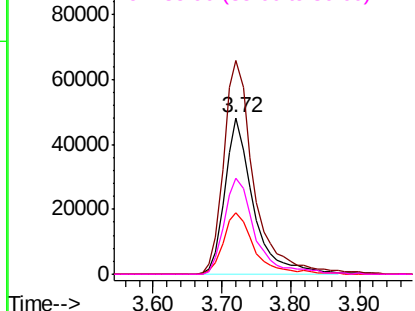
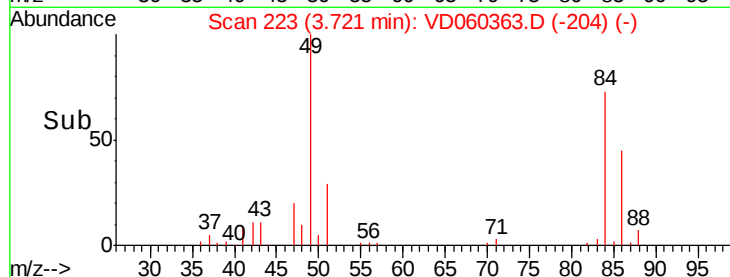
#20
Methvlene Chloride
Concen: 7.538 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060363.D
Acq: 13 Nov 2018 16:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	84	Resp:	137314
Ion	Ratio	Lower	Upper
84	100		
49	136.3	115.6	173.4
51	39.0	35.6	53.4
86	61.5	52.3	78.5

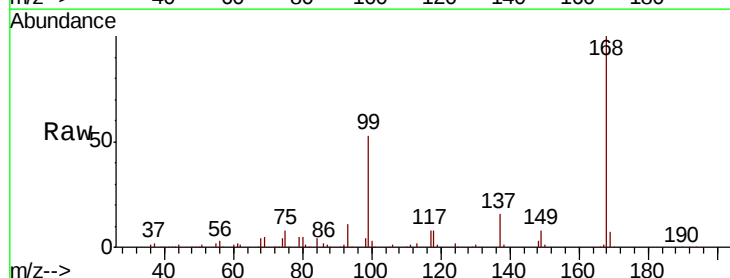


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

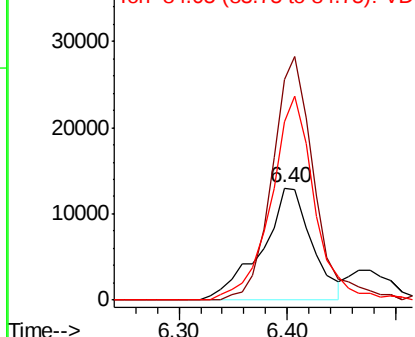
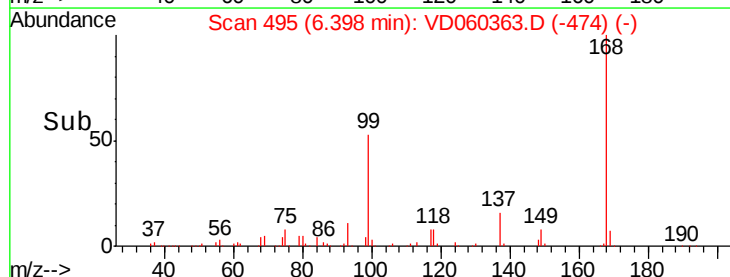


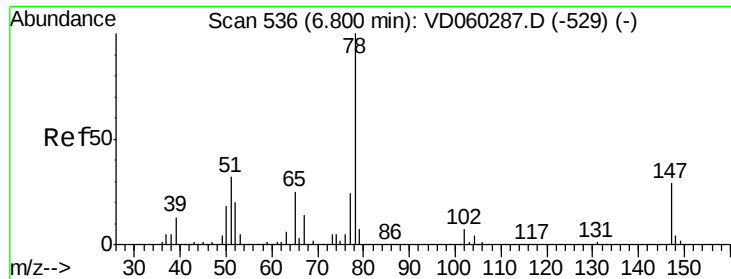
#31
Cyclohexane
Concen: 1.490 ug/l
RT: 6.40 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD060363.D
Acq: 13 Nov 2018 16:27

Tgt Ion:	56	Resp:	42109
Ion	Ratio	Lower	Upper
56	100		
69	197.2	22.2	33.2#
84	158.6	63.0	94.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060363.D

Acq: 13 Nov 2018 16:27

Instrument :

MSVOA_D

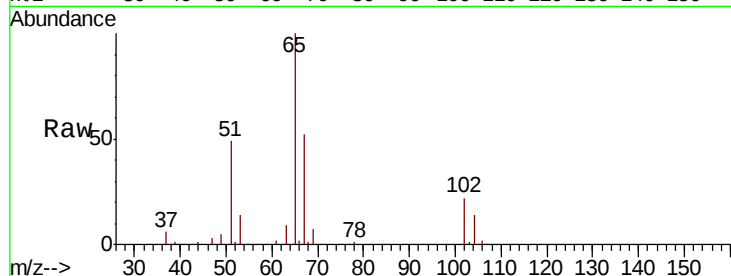
ClientSampleId :

Tot Ion: 65 Resp: 490048

Ion Ratio Lower Upper

65 100

67 52.5 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.78

200000

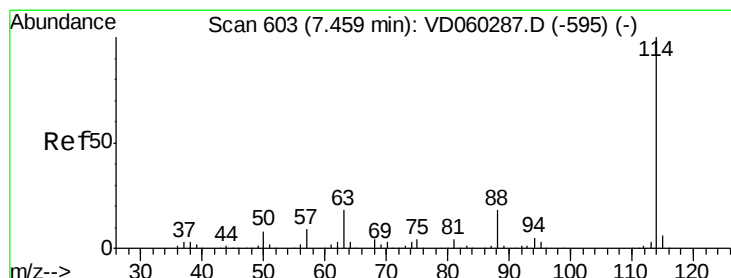
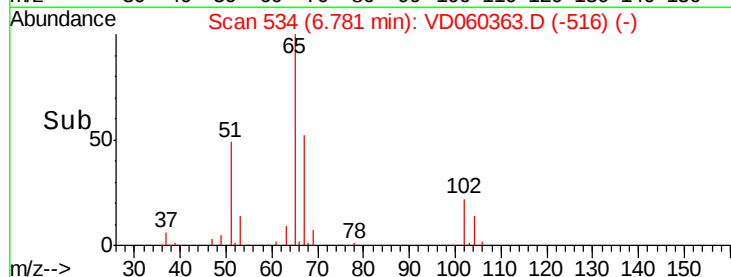
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060363.D

Acq: 13 Nov 2018 16:27

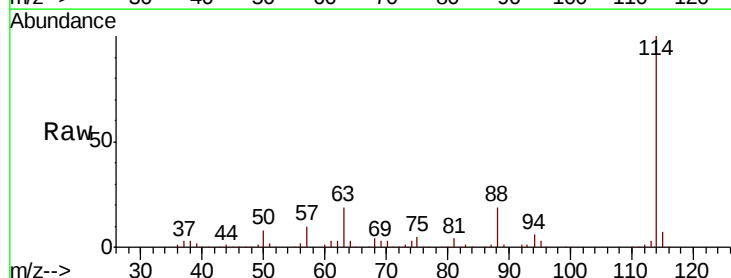
Tgt Ion:114 Resp: 2356335

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.0

88 18.9 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

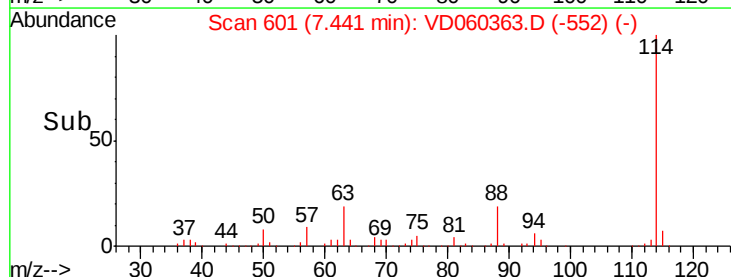
600000

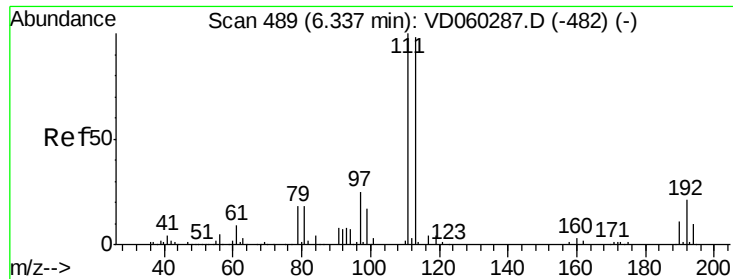
400000

200000

0

Time-->

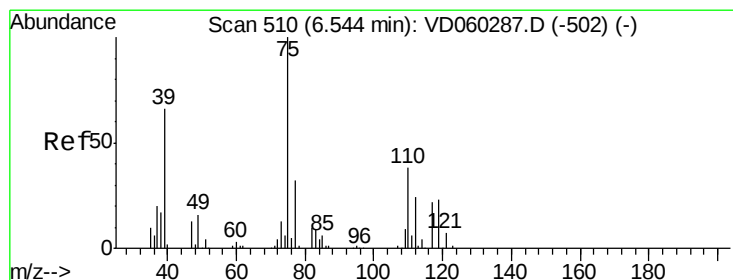
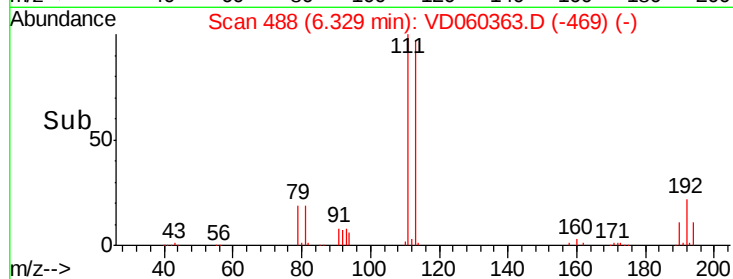
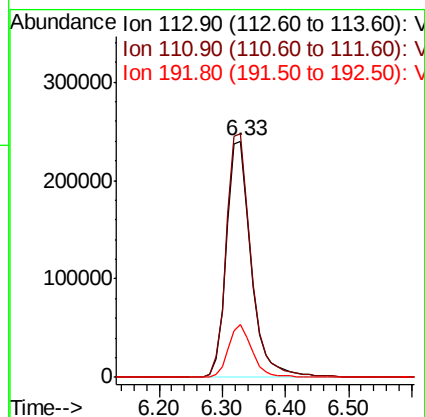
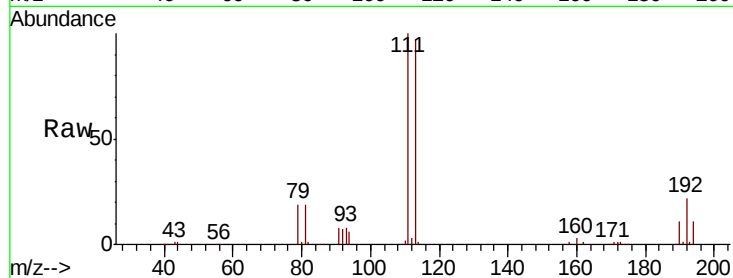




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060363.D
 Acq: 13 Nov 2018 16:27

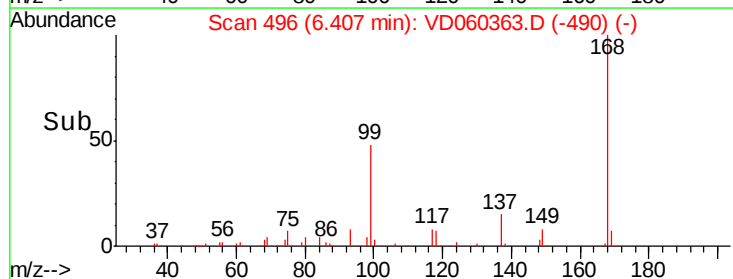
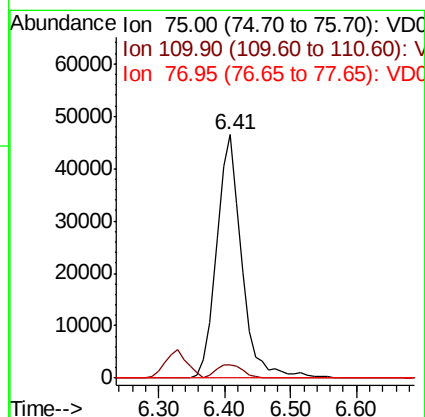
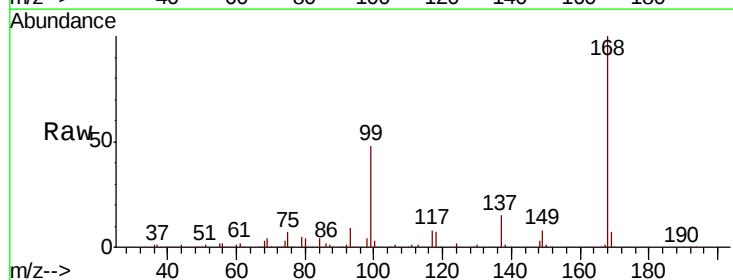
Instrument :
 MSVOA_D
 ClientSampleId :

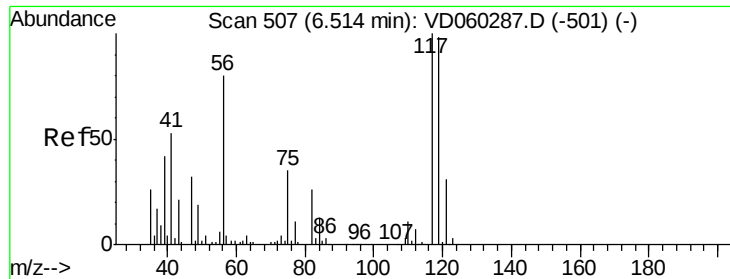
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.6	122.4
192	22.5	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 5.255 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.14 min
 Lab File: VD060363.D
 Acq: 13 Nov 2018 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.6	18.0	54.0#
77	0.0	25.6	38.4#

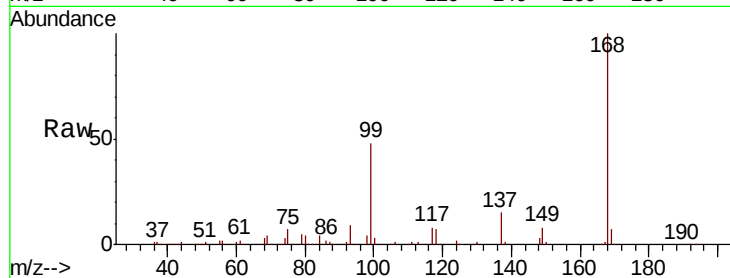




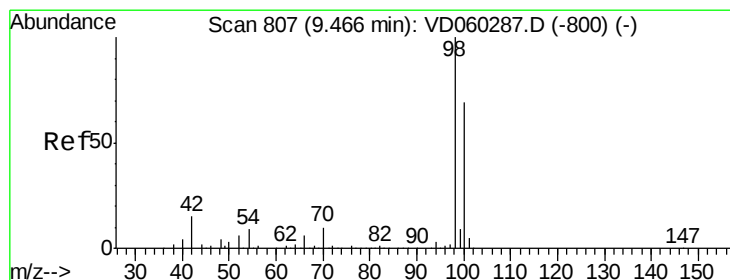
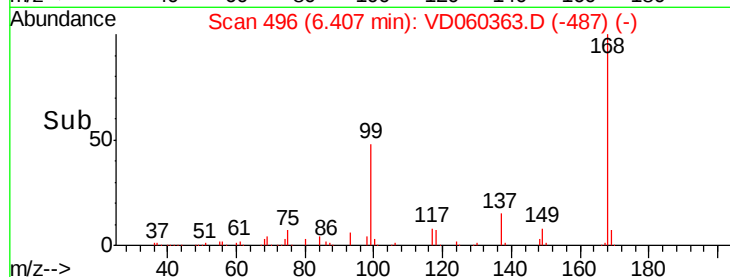
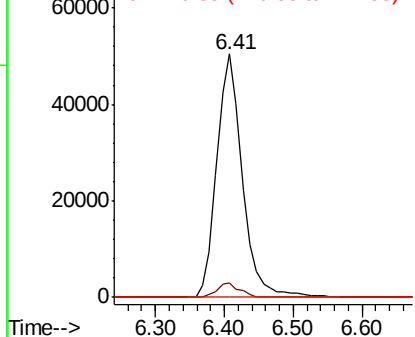
#38
Carbon Tetrachloride
Concen: 6.001 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.11 min
Lab File: VD060363.D
Acq: 13 Nov 2018 16:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 129588
Ion Ratio Lower Upper
117 100
119 5.7 76.6 115.0#
121 0.0 24.3 36.5#

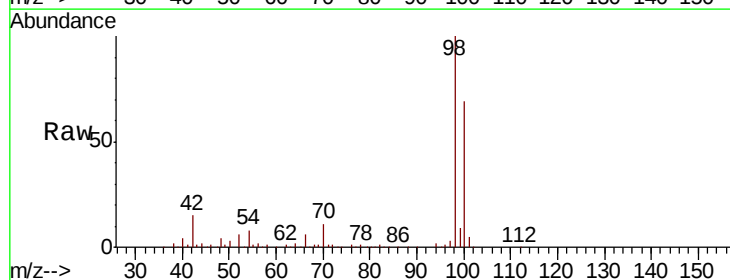


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

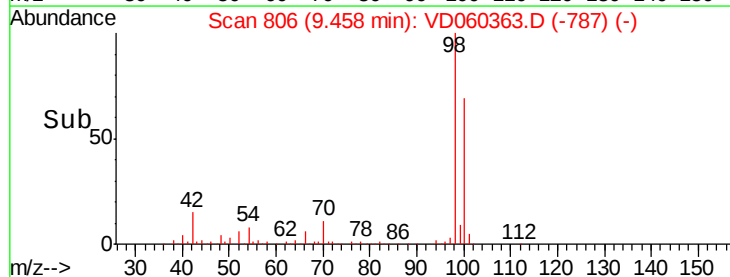
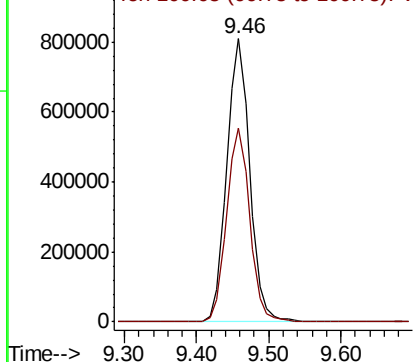


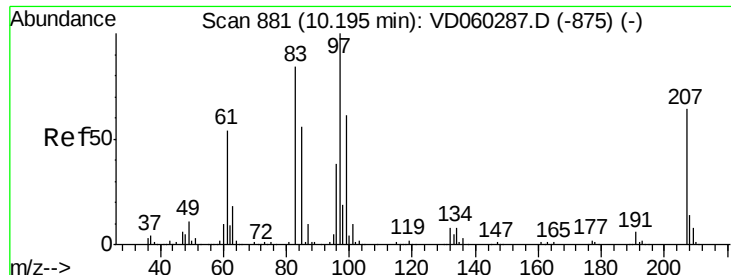
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060363.D
Acq: 13 Nov 2018 16:27

Tgt Ion: 98 Resp: 1798089
Ion Ratio Lower Upper
98 100
100 68.5 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VD

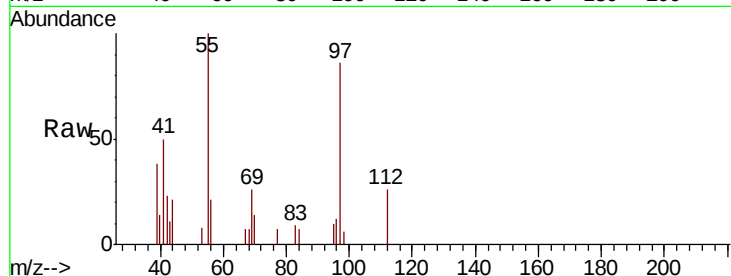




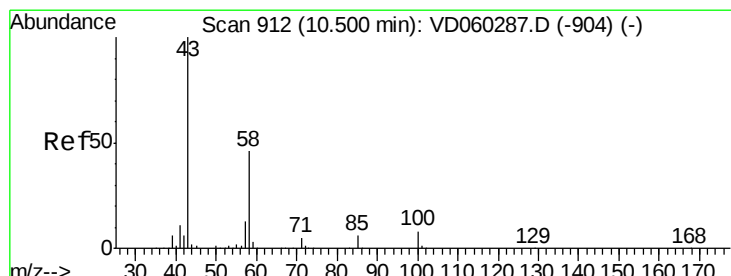
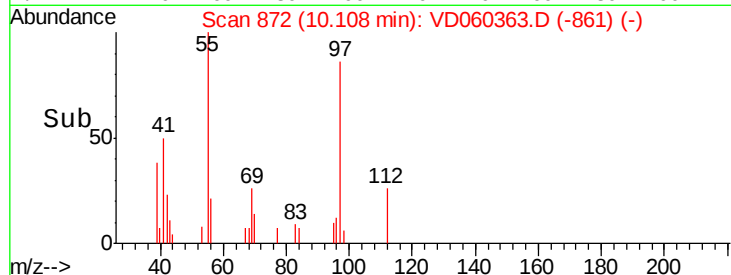
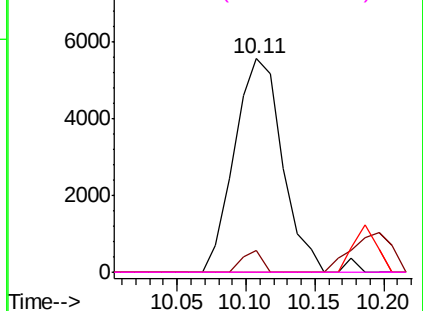
#55
 1,1,2-Trichloroethane
 Concen: 1.223 ug/l
 RT: 10.11 min Scan# 872
 Delta R.T. -0.09 min
 Lab File: VD060363.D
 Acq: 13 Nov 2018 16:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 13458
 Ion Ratio Lower Upper
 97 100
 83 10.2 68.4 102.6#
 85 0.0 46.8 70.2#
 99 0.0 49.5 74.3#

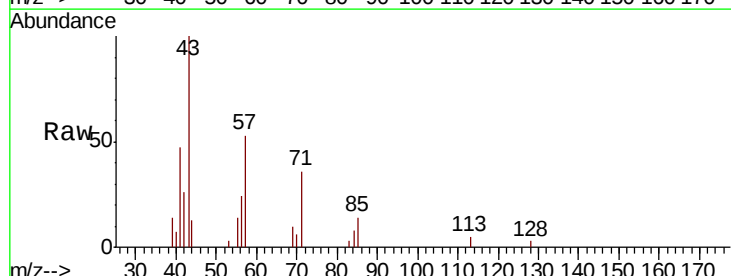


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

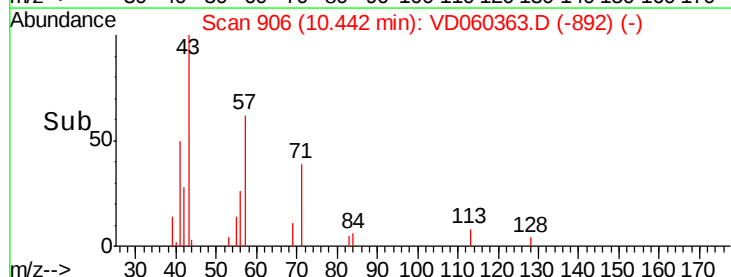
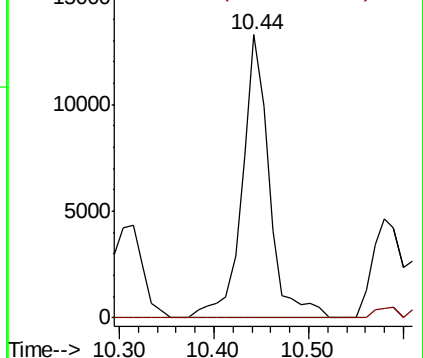


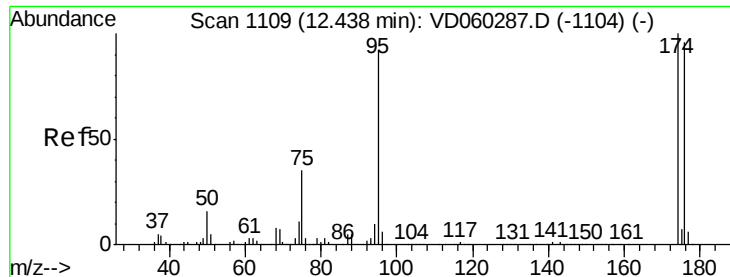
#59
 2-Hexanone
 Concen: 4.175 ug/l
 RT: 10.44 min Scan# 906
 Delta R.T. -0.06 min
 Lab File: VD060363.D
 Acq: 13 Nov 2018 16:27

Tgt Ion: 43 Resp: 26058
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.9 68.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060363.D

Acq: 13 Nov 2018 16:27

Instrument :

MSVOA_D

ClientSampleId :

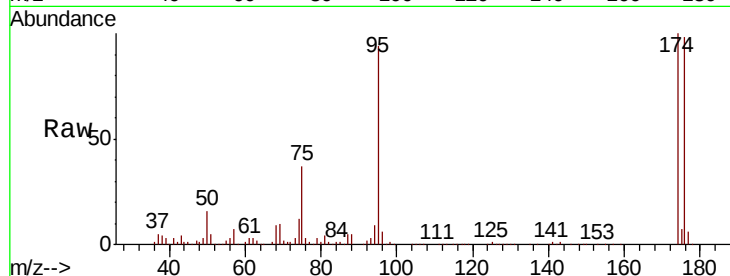
Tot Ion: 95 Resp: 674404

Ion Ratio Lower Upper

95 100

174 106.7 0.0 160.8

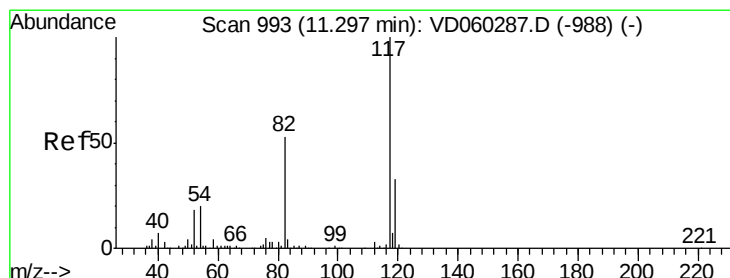
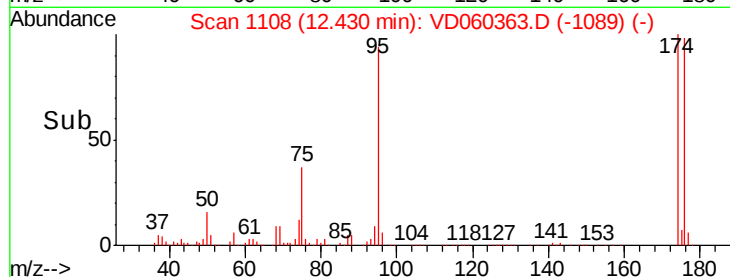
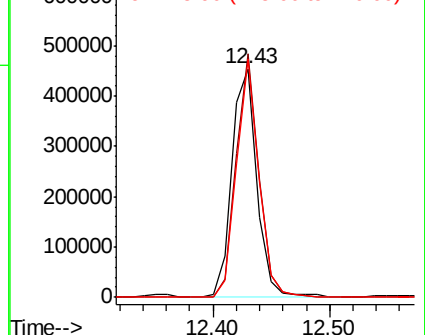
176 104.7 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.29 min Scan# 992

Delta R.T. -0.01 min

Lab File: VD060363.D

Acq: 13 Nov 2018 16:27

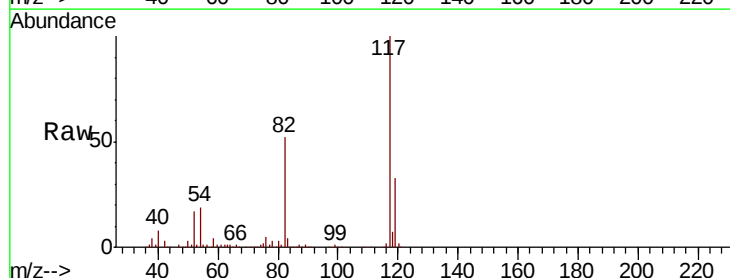
Tgt Ion: 117 Resp: 1881095

Ion Ratio Lower Upper

117 100

82 52.0 43.7 65.5

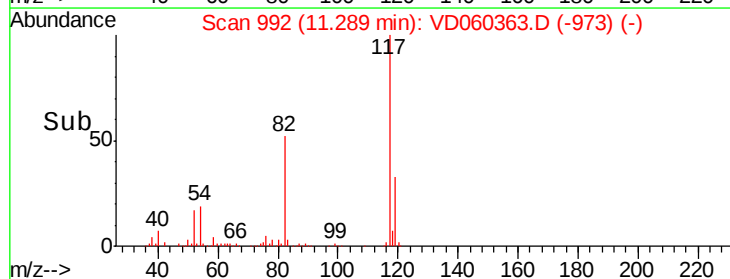
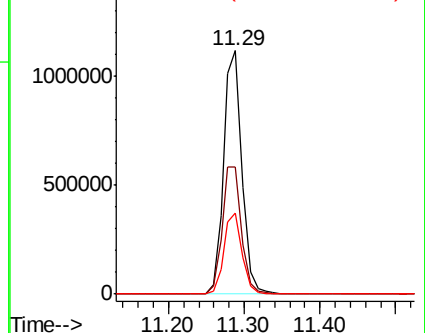
119 33.0 26.1 39.1

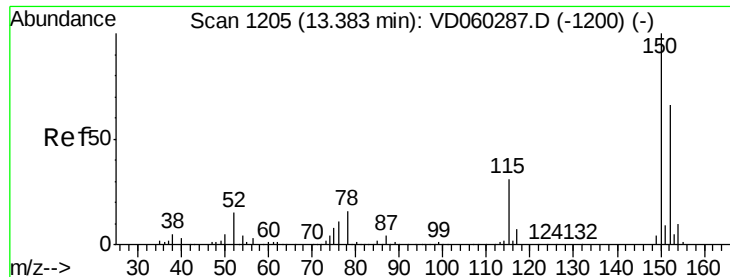


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



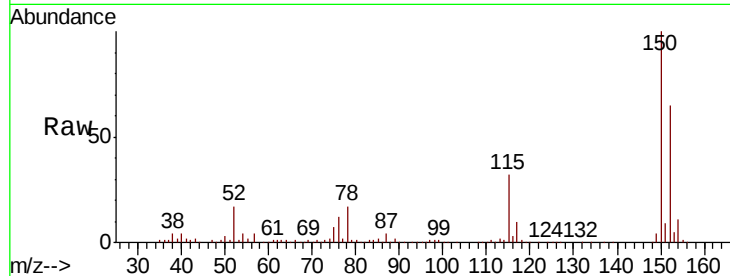


#72

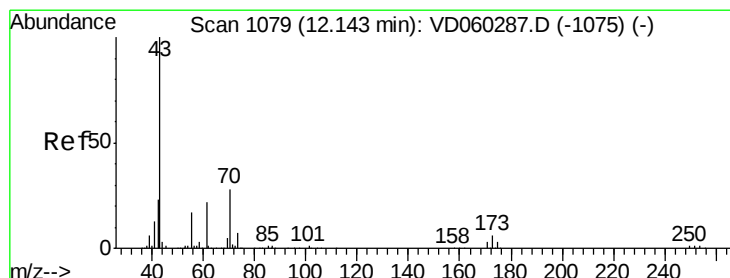
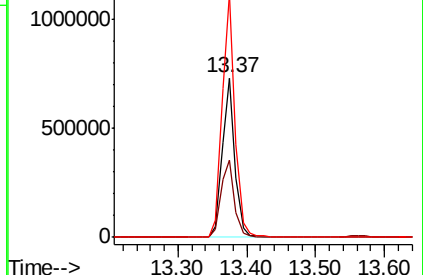
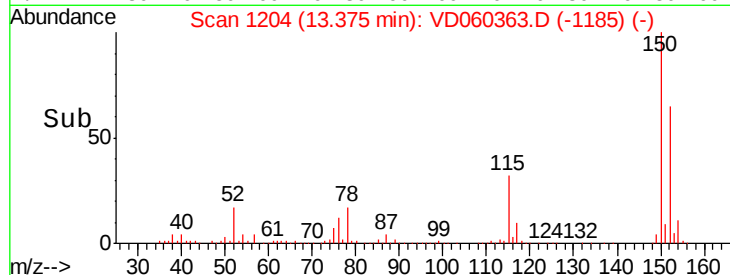
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060363.D
Acq: 13 Nov 2018 16:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 928079
Ion Ratio Lower Upper
152 100
115 48.8 24.1 72.3
150 153.0 0.0 310.6



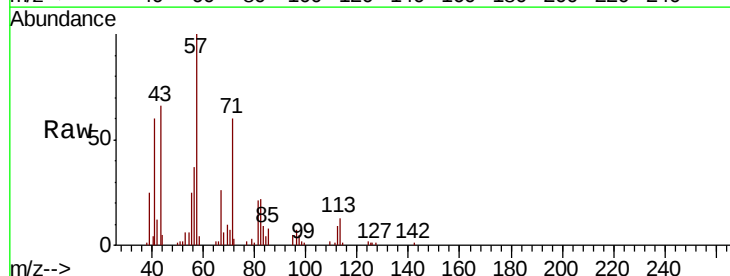
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



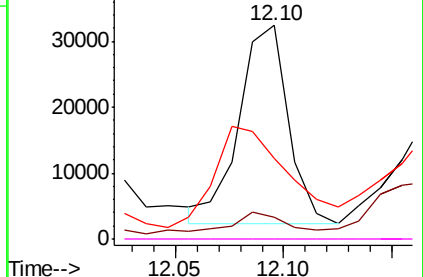
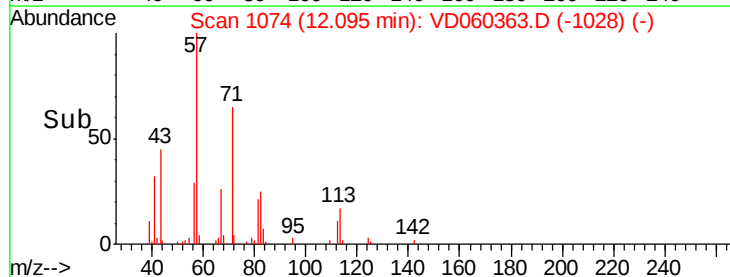
#74

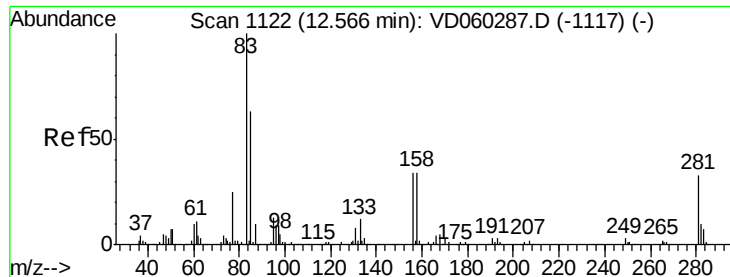
N-ethyl acetate
Concen: 2.773 ug/l
RT: 12.10 min Scan# 1074
Delta R.T. -0.05 min
Lab File: VD060363.D
Acq: 13 Nov 2018 16:27

Tgt Ion: 43 Resp: 48073
Ion Ratio Lower Upper
43 100
70 10.3 23.0 34.4#
55 37.6 14.2 21.4#
61 0.0 17.8 26.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 1.659 ug/l

RT: 12.58 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060363.D

Acq: 13 Nov 2018 16:27

Instrument :

MSVOA_D

ClientSampleId :

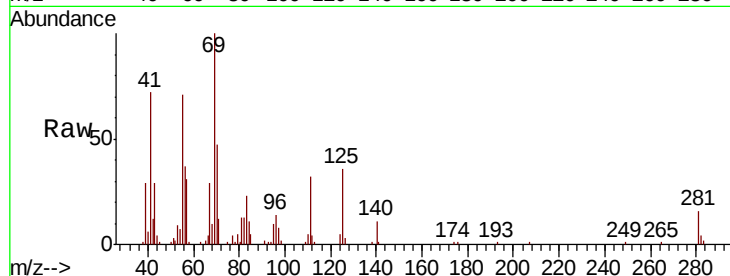
Tot Ion: 83 Resp: 18343

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.5#

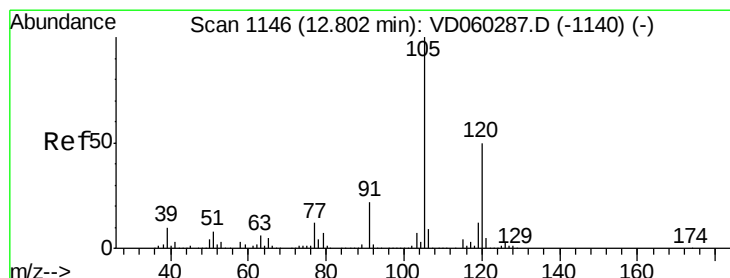
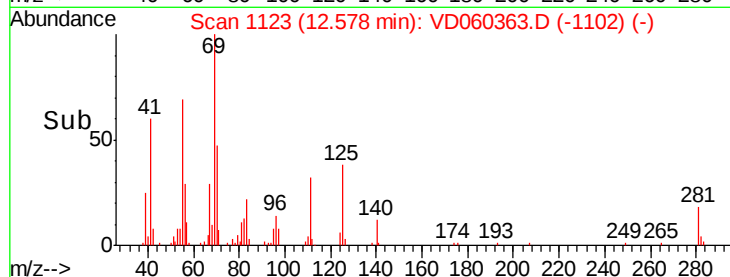
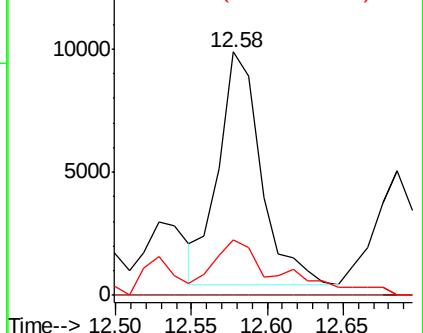
85 22.9 32.0 96.0#



Abundance Ion 82.95 (82.65 to 83.65): V

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): V



#80

1,3,5-Trimethylbenzene

Concen: 1.022 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060363.D

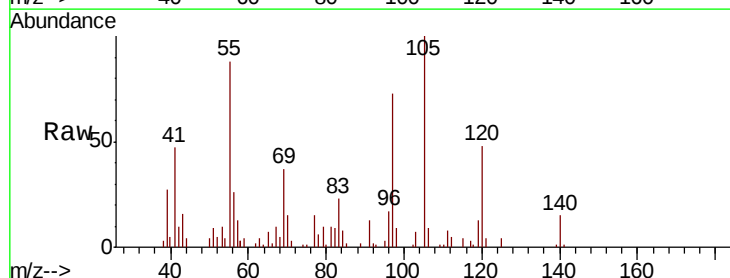
Acq: 13 Nov 2018 16:27

Tgt Ion:105 Resp: 53709

Ion Ratio Lower Upper

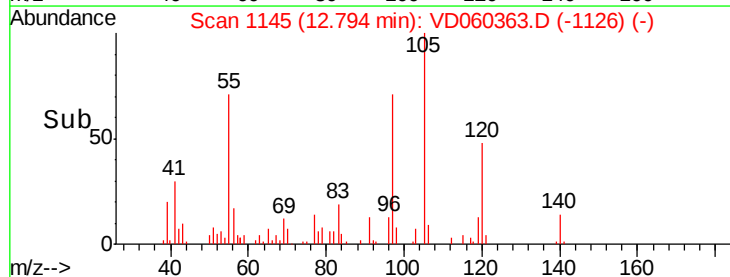
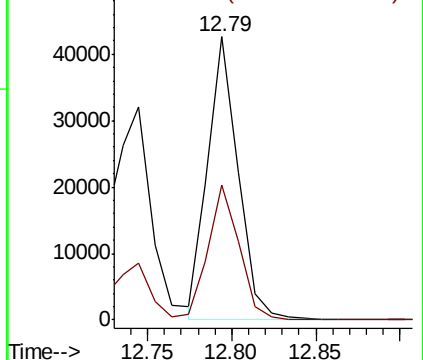
105 100

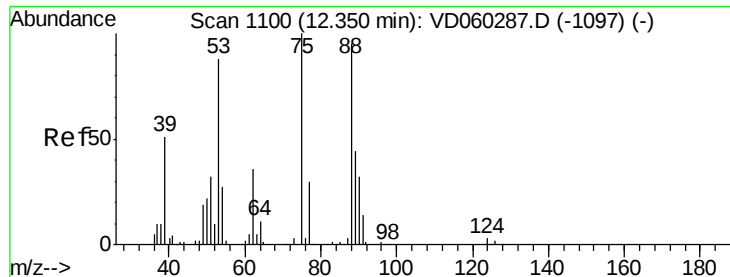
120 47.6 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 87.772 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060363.D

Acq: 13 Nov 2018 16:27

Instrument :

MSVOA_D

ClientSampleId :

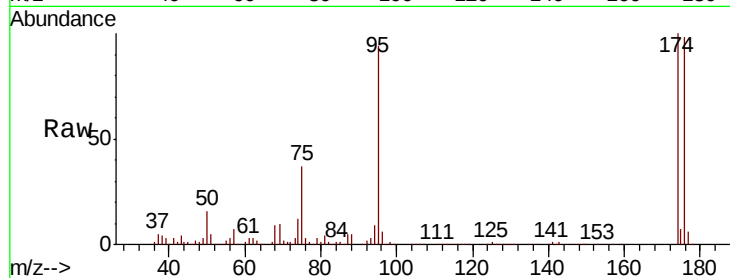
Tot Ion: 75 Resp: 277423

Ion Ratio Lower Upper

75 100

53 0.8 68.6 103.0#

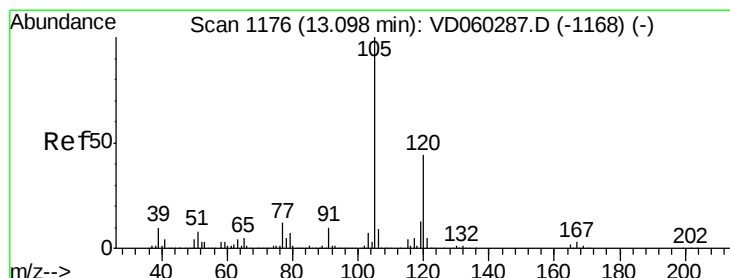
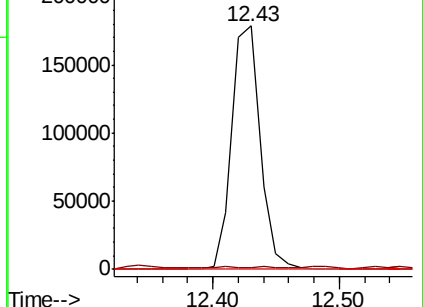
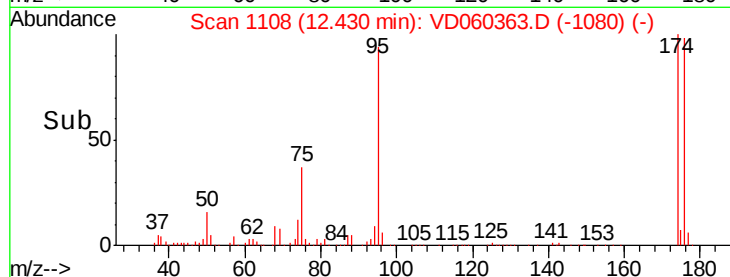
89 0.0 34.1 51.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#84

1,2,4-Trimethylbenzene

Concen: 1.079 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VD060363.D

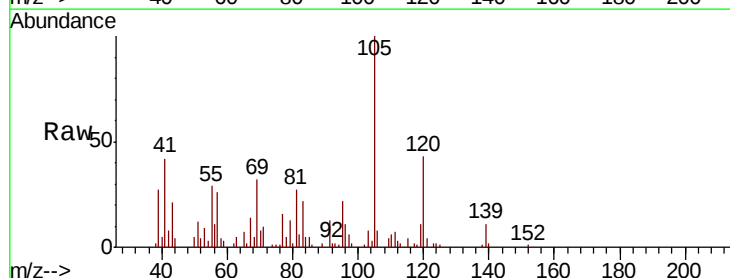
Acq: 13 Nov 2018 16:27

Tgt Ion: 105 Resp: 56612

Ion Ratio Lower Upper

105 100

120 42.8 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

