

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067128.D
 Acq On : 07 Oct 2020 01:51
 Operator : VA/SY
 Sample : L4273-01
 Misc : 5.24G/5.00ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1

Quant Time: Oct 07 02:09:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

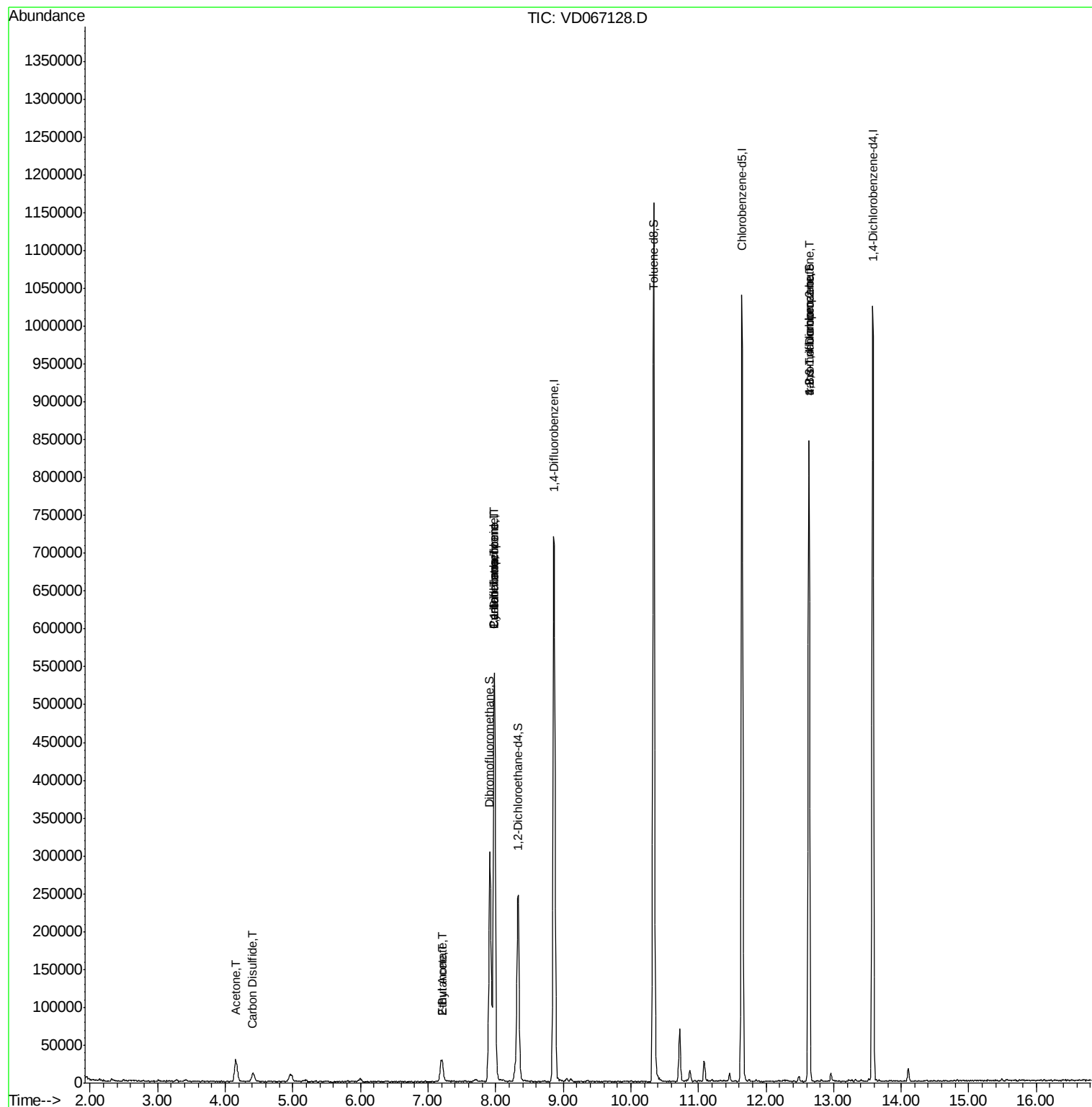
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	412293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	668702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	624104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	289575	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	203930	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.70%	
35) Dibromofluoromethane	7.91	113	214121	48.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.82%	
50) Toluene-d8	10.34	98	788262	49.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.64	95	263108	48.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	1080	Below Cal		78
5) Bromomethane	2.79	94	406	Below Cal		84
11) Tert butyl alcohol	5.19	59	1155	Below Cal	#	72
16) Acetone	4.16	43	54510	89.920	ug/l	92
17) Carbon Disulfide	4.41	76	23784	1.994	ug/l #	91
20) Methylene Chloride	4.97	84	9316	Below Cal	#	84
25) 2-Butanone	7.21	43	12780	14.870	ug/l	94
26) 2,2-Dichloropropane	7.19	77	2126	Below Cal	#	53
31) Cyclohexane	7.98	56	7803	1.308	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	30056	4.822	ug/l #	52
37) Ethyl Acetate	7.21	43	12780	5.919	ug/l #	84
38) Carbon Tetrachloride	7.98	117	42416	6.289	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	129808	51.464	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	129808	128.307	ug/l #	12

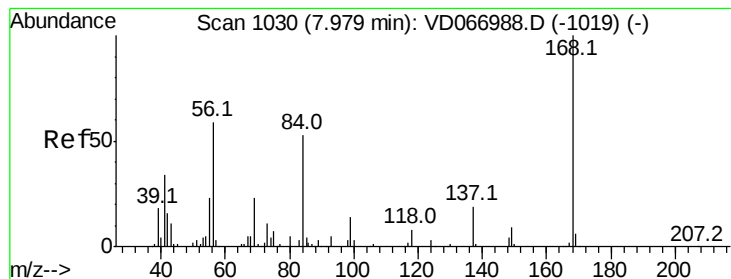
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100620\
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Acq On : 07 Oct 2020 01:51
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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD067128.D

Acq: 07 Oct 2020 01:51

Instrument :

MSVOA_D

ClientSampleId :

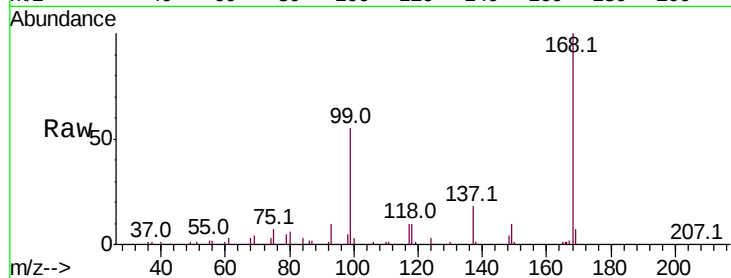
SB-1

Tot Ion:168 Resp: 412293

Ion Ratio Lower Upper

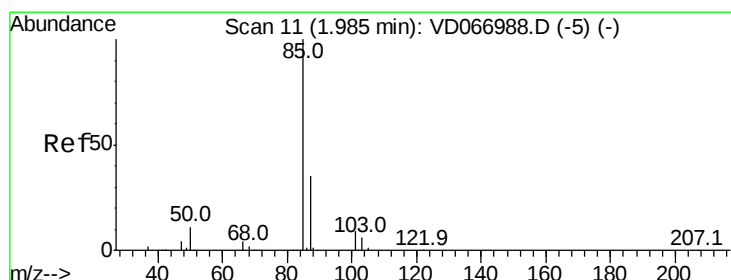
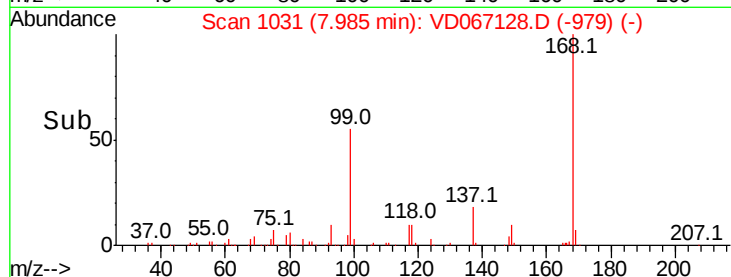
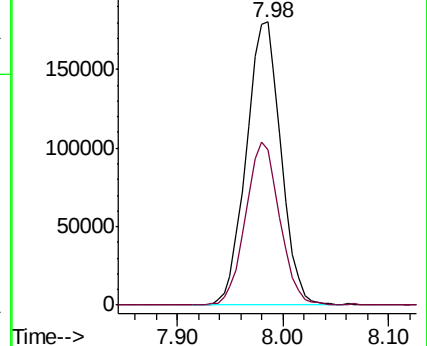
168 100

99 54.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067128.D

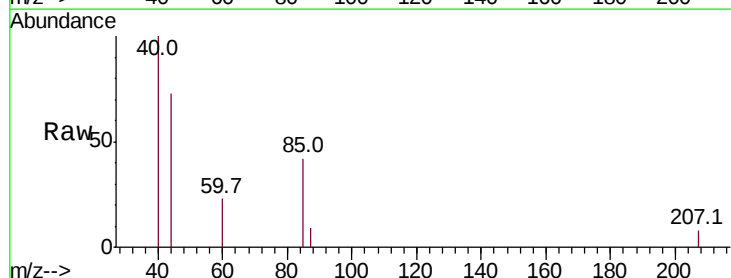
Acq: 07 Oct 2020 01:51

Tgt Ion: 85 Resp: 1080

Ion Ratio Lower Upper

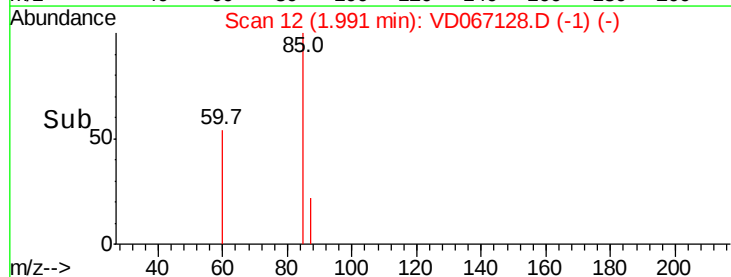
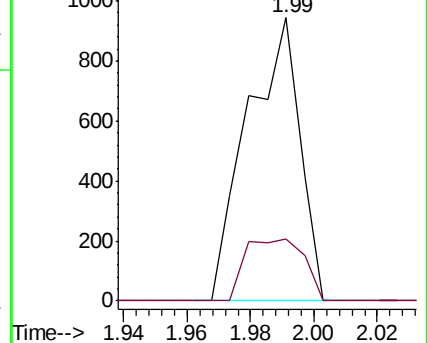
85 100

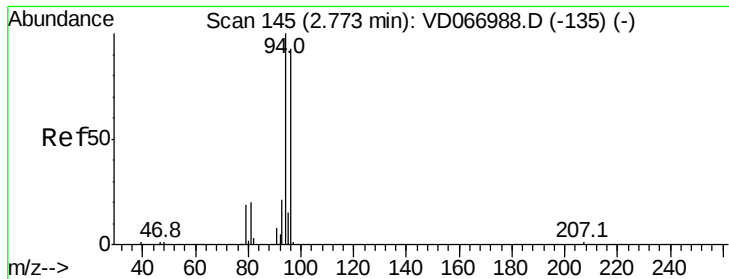
87 22.1 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067128.D

Acq: 07 Oct 2020 01:51

Instrument :

MSVOA_D

ClientSampleId :

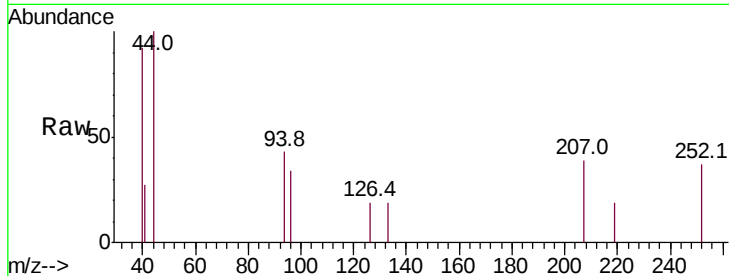
SB-1

Tot Ion: 94 Resp: 406

Ion Ratio Lower Upper

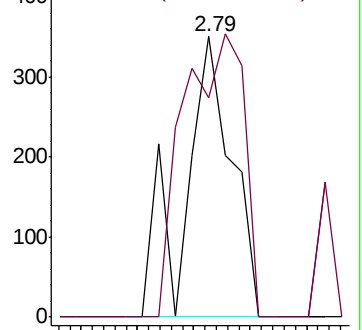
94 100

96 78.0 74.6 112.0

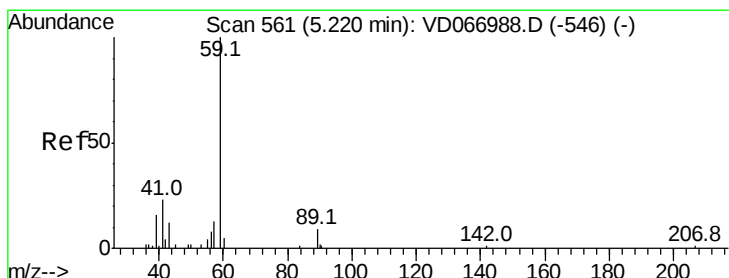
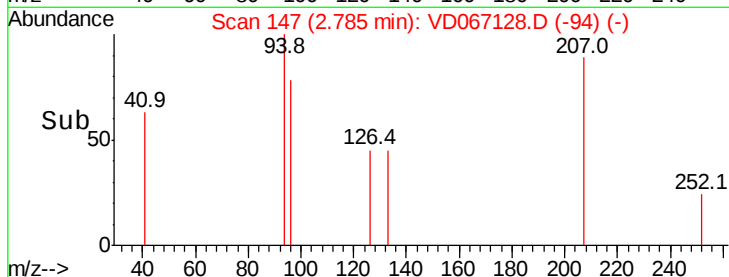


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD067128.D

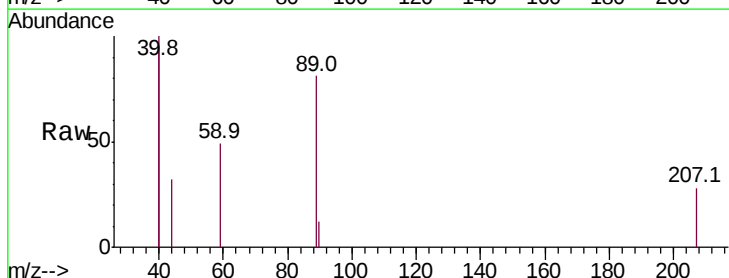
Acq: 07 Oct 2020 01:51

Tgt Ion: 59 Resp: 1155

Ion Ratio Lower Upper

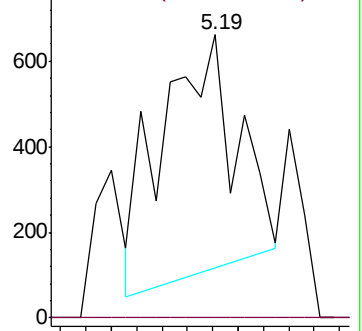
59 100

57 0.0 8.2 12.4#

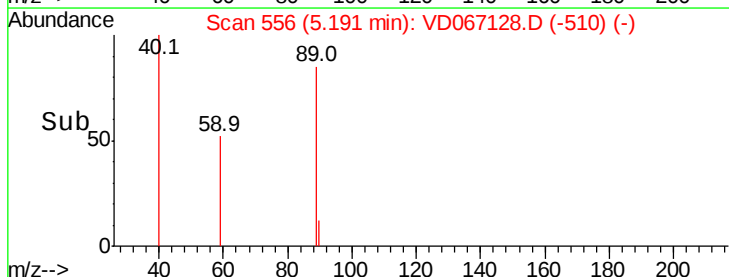


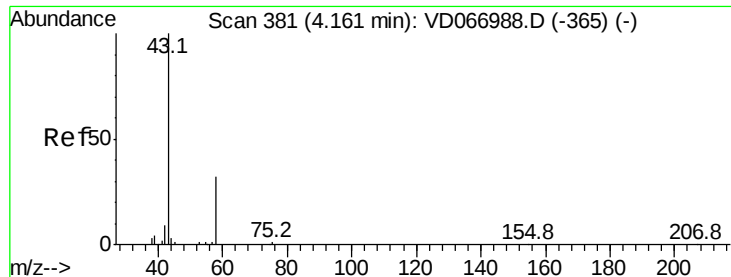
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 89.920 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067128.D

Acq: 07 Oct 2020 01:51

Instrument :

MSVOA_D

ClientSampleId :

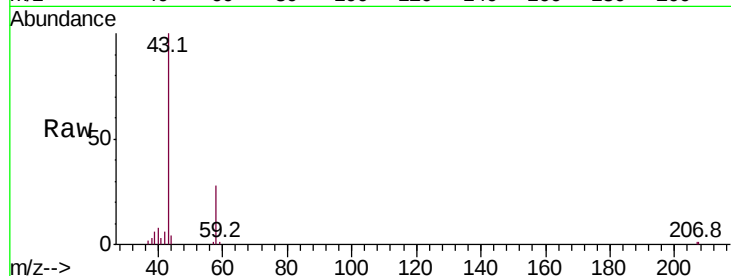
SB-1

Tot Ion: 43 Resp: 54510

Ion Ratio Lower Upper

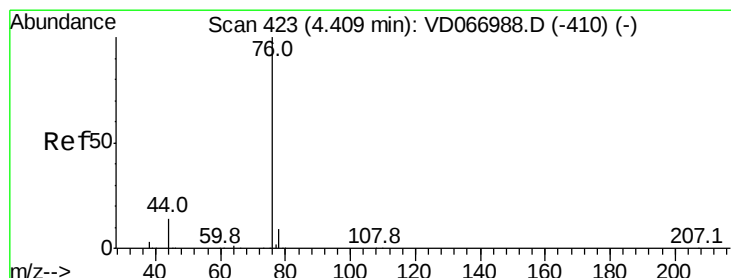
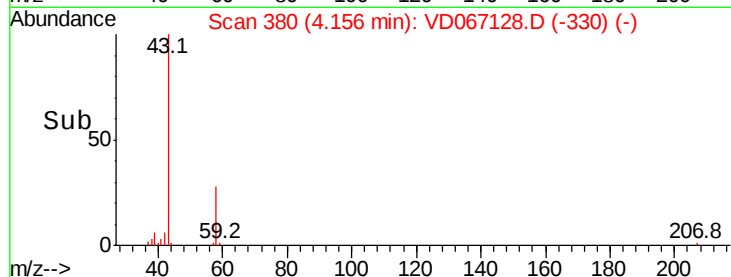
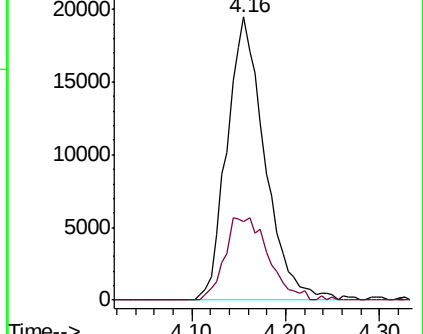
43 100

58 27.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 1.994 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067128.D

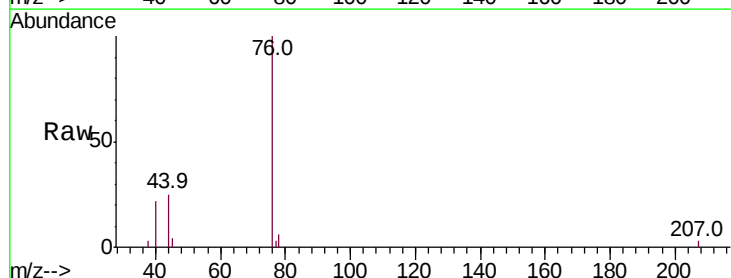
Acq: 07 Oct 2020 01:51

Tgt Ion: 76 Resp: 23784

Ion Ratio Lower Upper

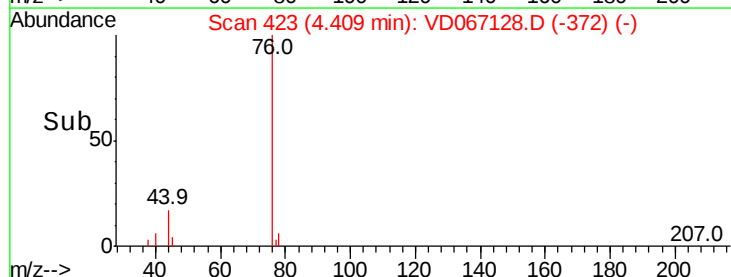
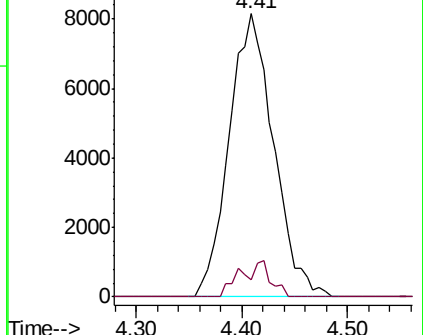
76 100

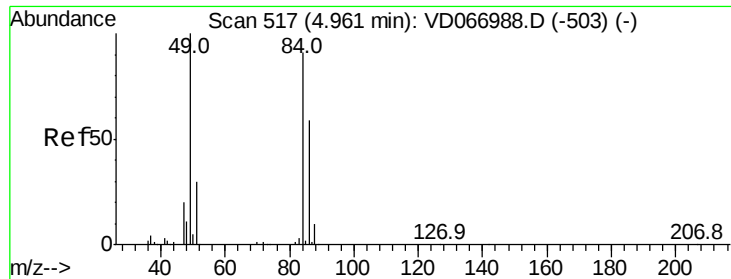
78 6.2 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

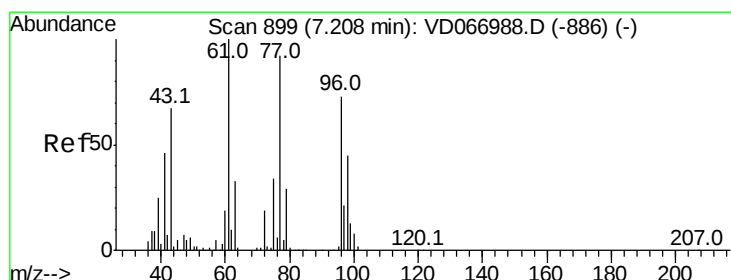
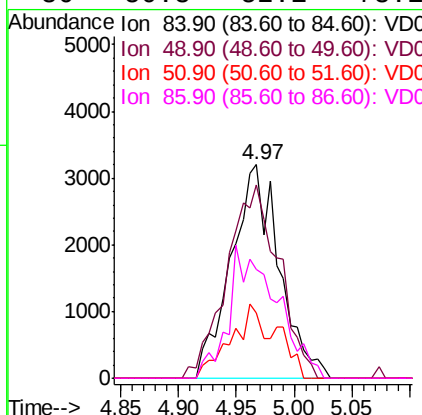
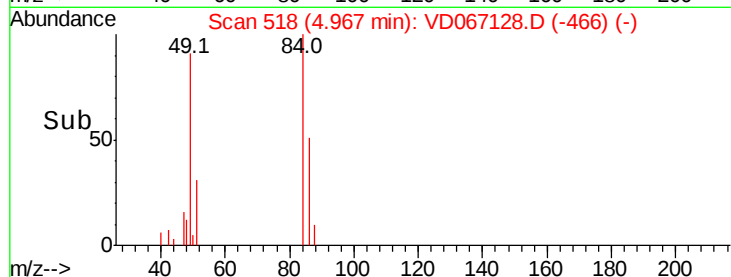
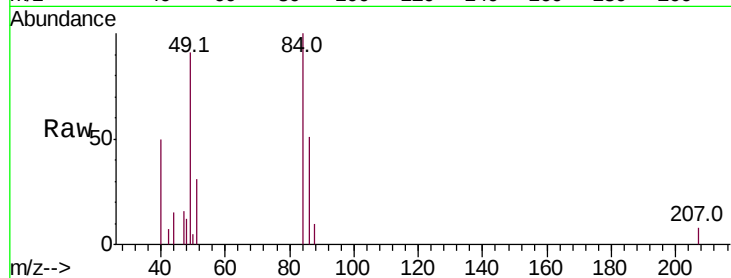




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067128.D
Acq: 07 Oct 2020 01:51

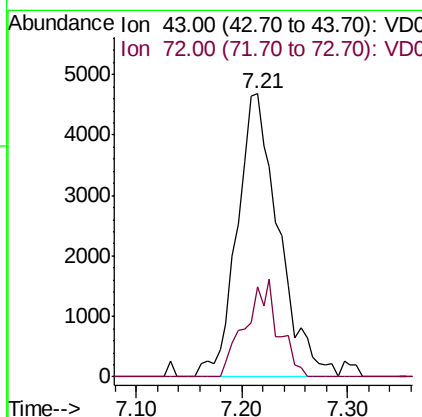
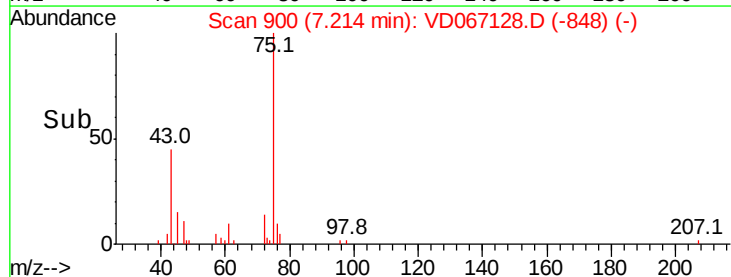
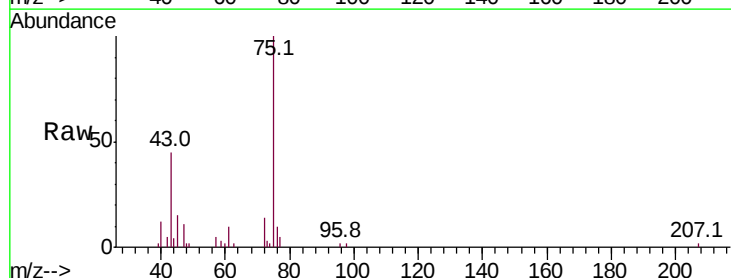
Instrument :
MSVOA_D
ClientSampleId :
SB-1

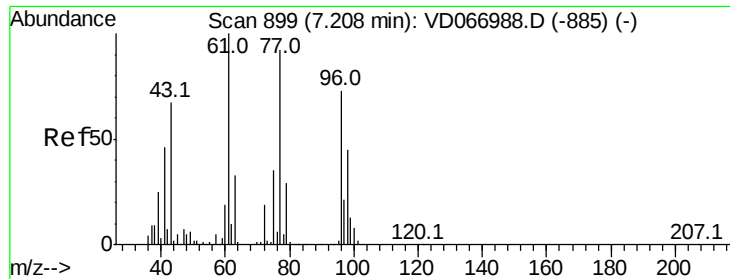
Tot Ion: 84 Resp: 9316
Ion Ratio Lower Upper
84 100
49 90.7 88.2 132.2
51 30.9 26.6 39.8
86 50.8 52.1 78.1#



#25
2-Butanone
Concen: 14.870 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067128.D
Acq: 07 Oct 2020 01:51

Tgt Ion: 43 Resp: 12780
Ion Ratio Lower Upper
43 100
72 31.7 22.8 34.2

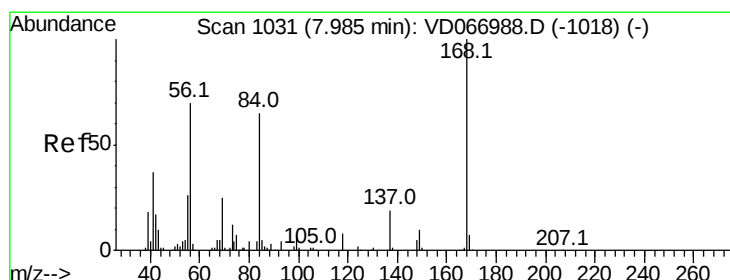
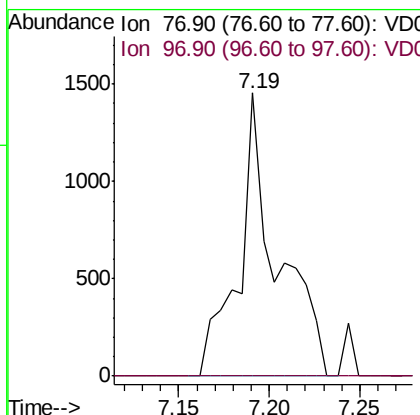
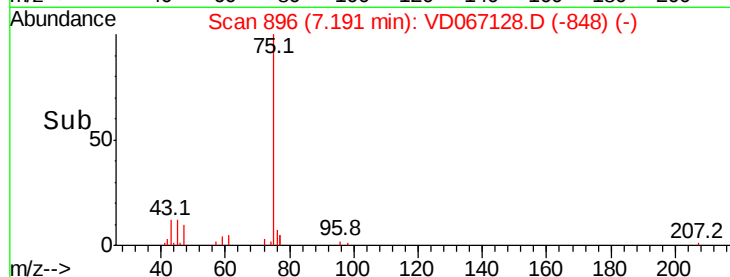
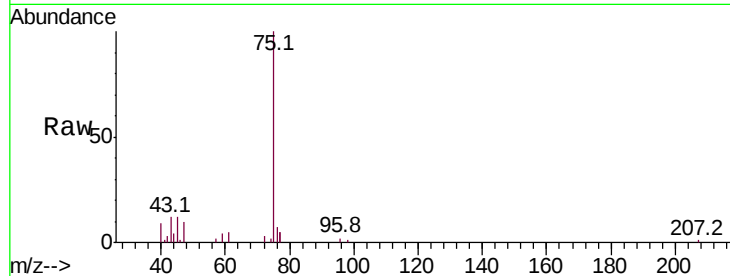




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD067128.D
Acq: 07 Oct 2020 01:51

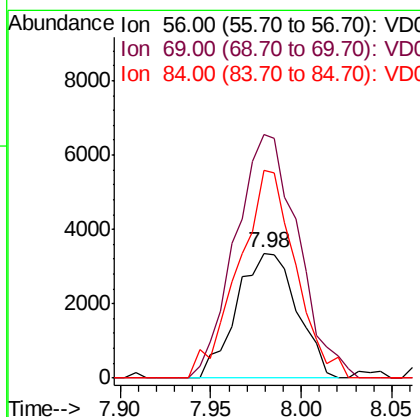
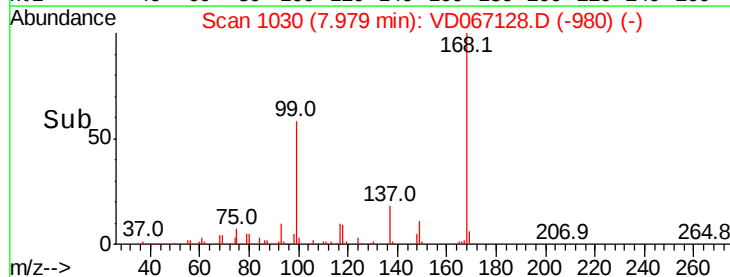
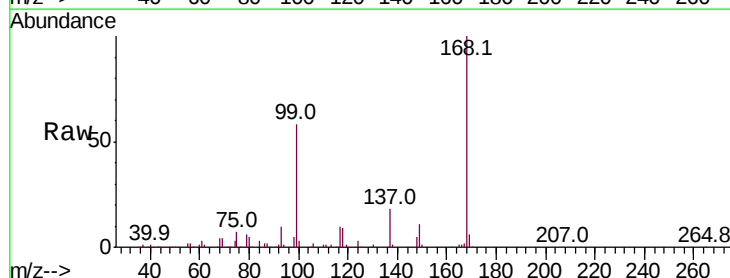
Instrument :
MSVOA_D
ClientSampleId :
SB-1

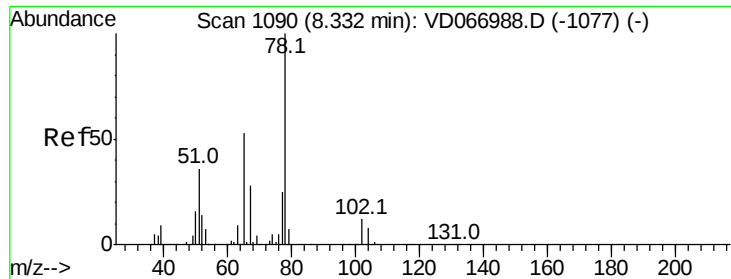
Tot Ion: 77 Resp: 2126
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067128.D
Acq: 07 Oct 2020 01:51

Tgt Ion: 56 Resp: 7803
Ion Ratio Lower Upper
56 100
69 195.0 29.0 43.6#
84 166.7 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 51.352 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD067128.D

Acq: 07 Oct 2020 01:51

Instrument :

MSVOA_D

ClientSampleId :

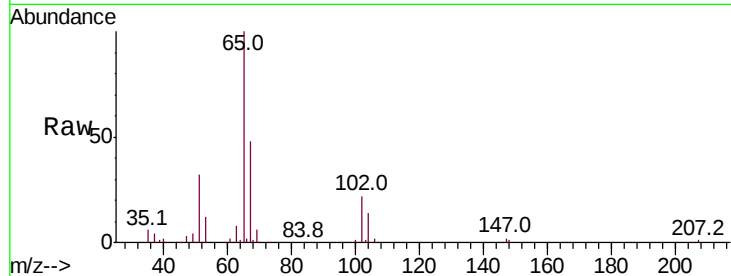
SB-1

Tot Ion: 65 Resp: 203930

Ion Ratio Lower Upper

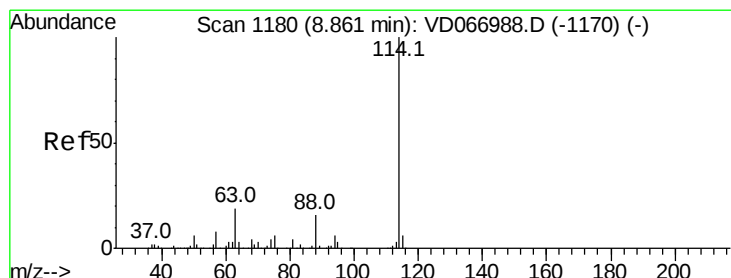
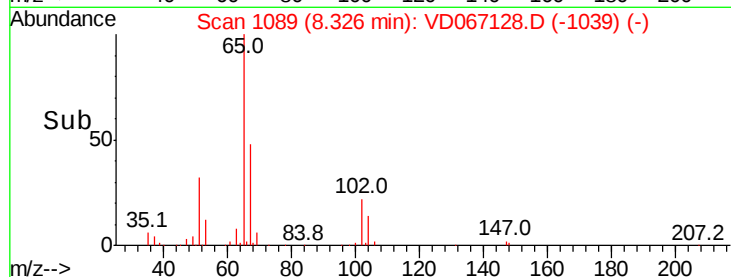
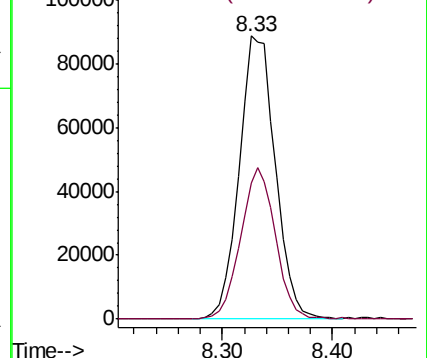
65 100

67 51.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067128.D

Acq: 07 Oct 2020 01:51

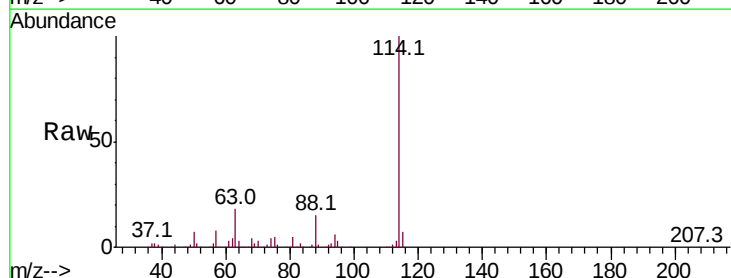
Tgt Ion: 114 Resp: 668702

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

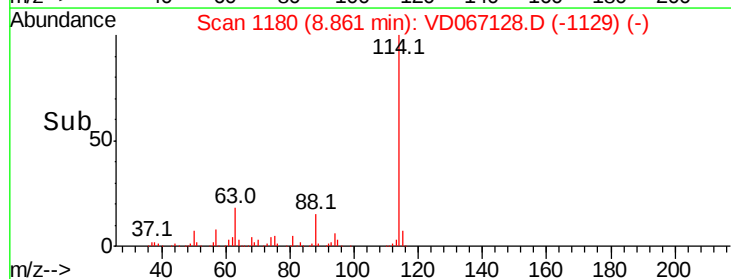
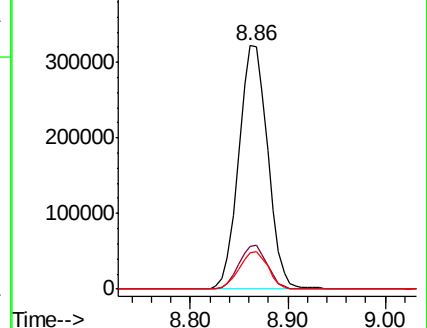
88 14.7 0.0 31.2

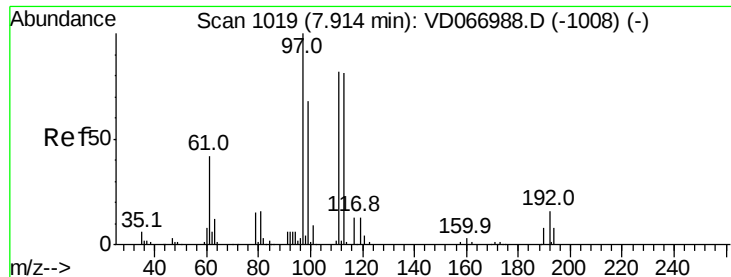


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

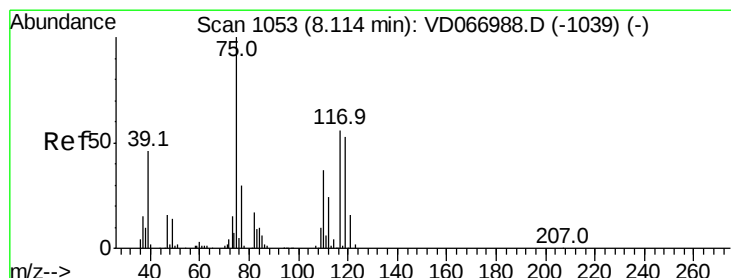
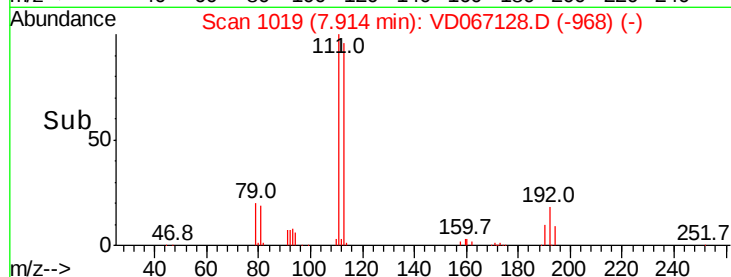
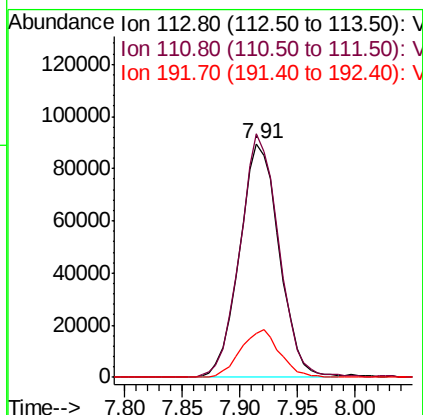
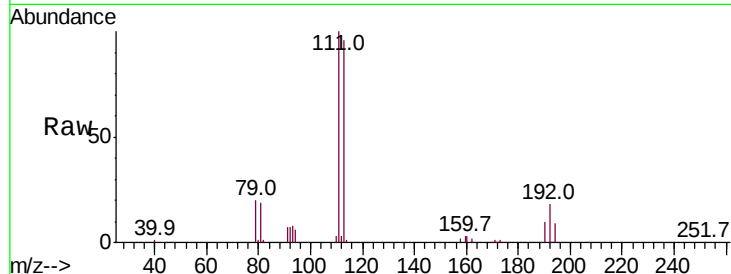




#35
 Dibromofluoromethane
 Concen: 48.910 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067128.D
 Acq: 07 Oct 2020 01:51

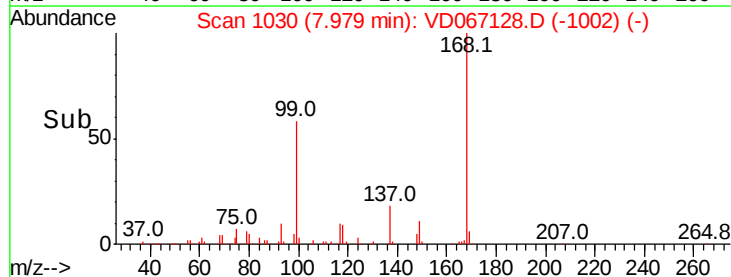
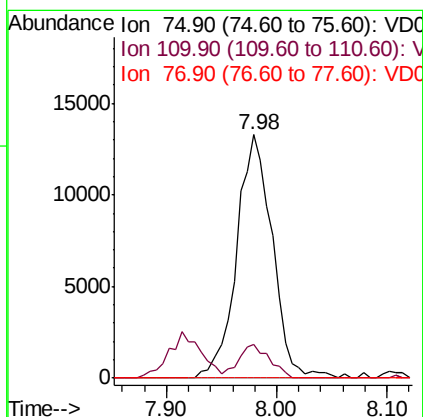
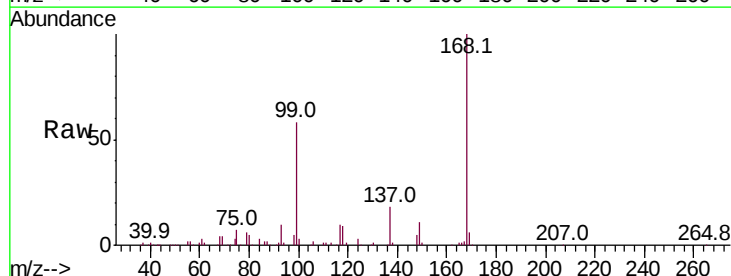
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1

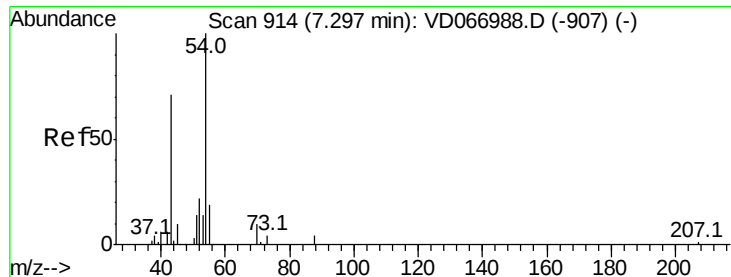
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.0	124.4
192	20.0	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.822 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067128.D
 Acq: 07 Oct 2020 01:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.9	18.4	55.0#
77	0.0	24.8	37.2#

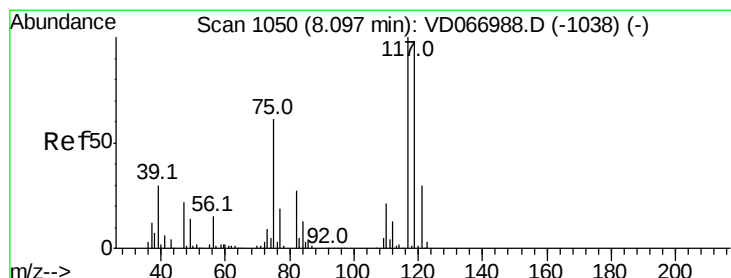
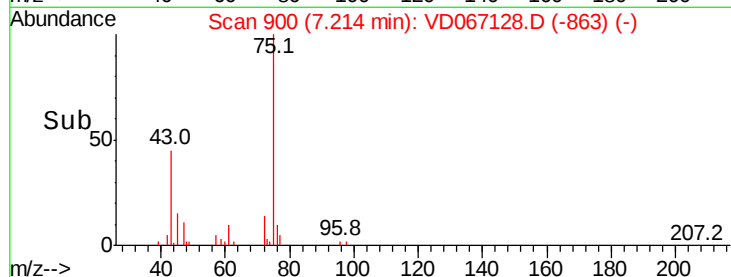
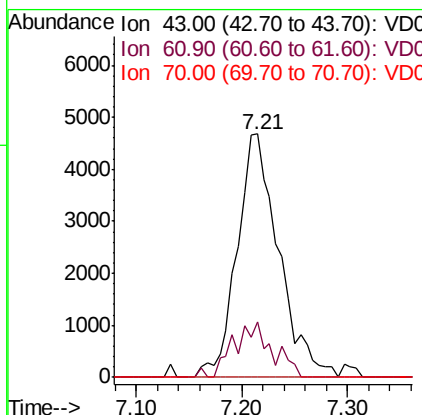
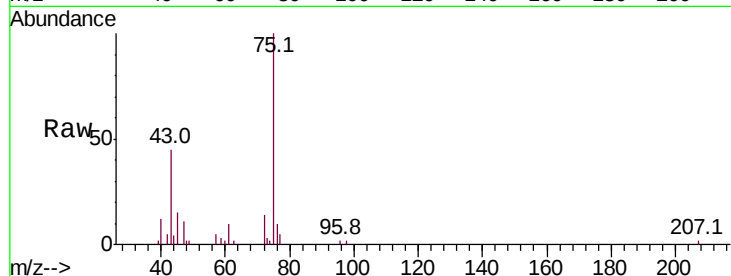




#37
Ethyl Acetate
Concen: 5.919 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.08 min
Lab File: VD067128.D
Acq: 07 Oct 2020 01:51

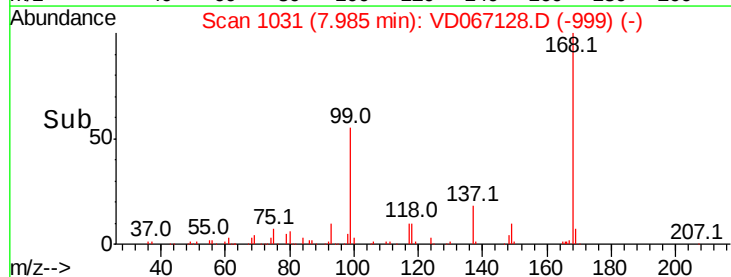
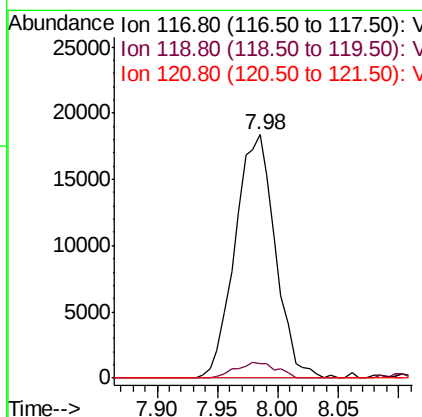
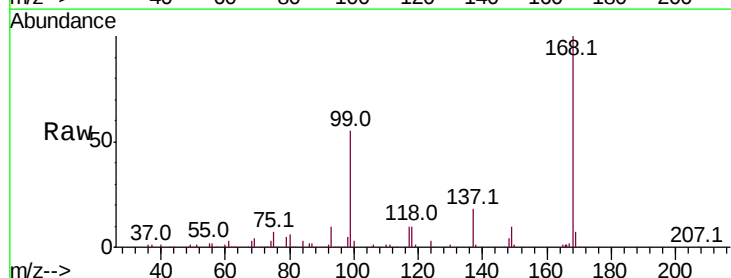
Instrument :
MSVOA_D
ClientSampleId :
SB-1

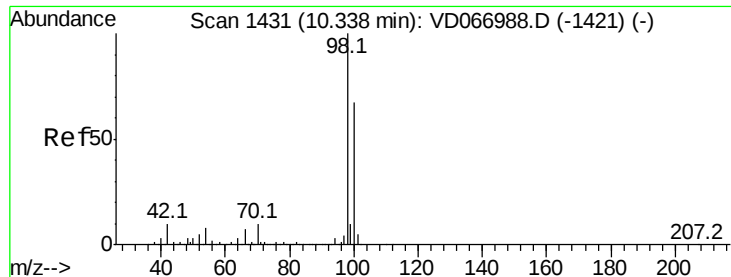
Tot Ion: 43 Resp: 12780
Ion Ratio Lower Upper
43 100
61 17.5 12.5 18.7
70 0.0 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 6.289 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067128.D
Acq: 07 Oct 2020 01:51

Tgt Ion: 117 Resp: 42416
Ion Ratio Lower Upper
117 100
119 5.7 78.7 118.1#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 49.413 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067128.D

Acq: 07 Oct 2020 01:51

Instrument :

MSVOA_D

ClientSampleId :

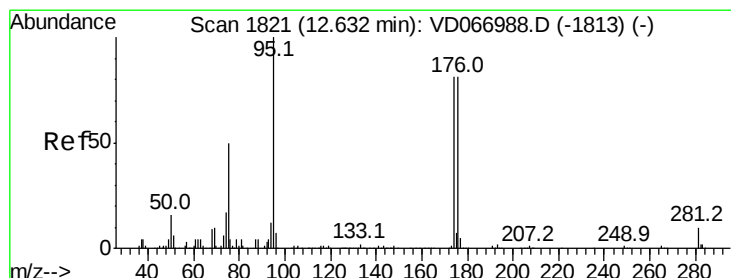
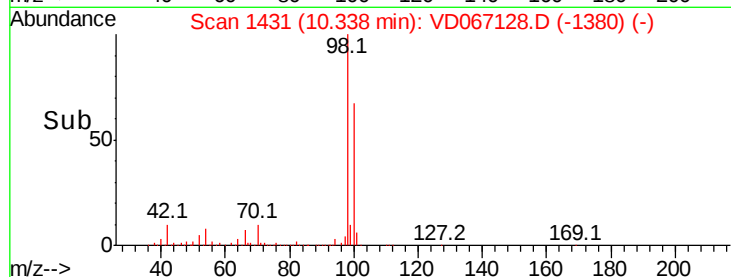
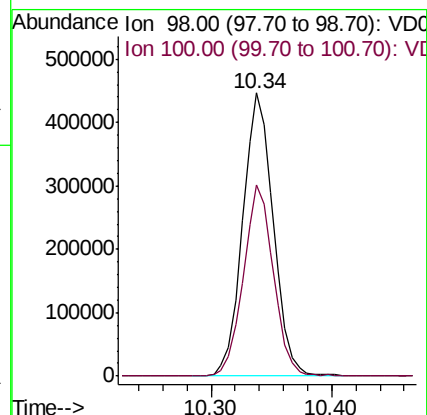
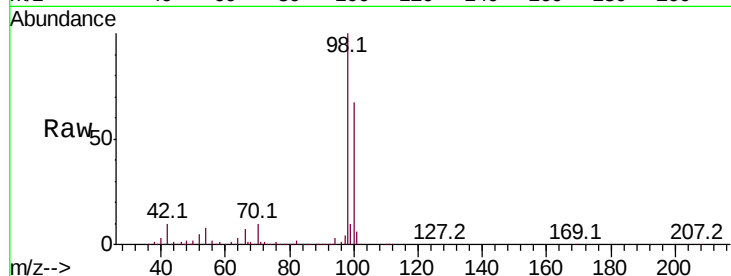
SB-1

Tot Ion: 98 Resp: 788262

Ion Ratio Lower Upper

98 100

100 66.2 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 48.585 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067128.D

Acq: 07 Oct 2020 01:51

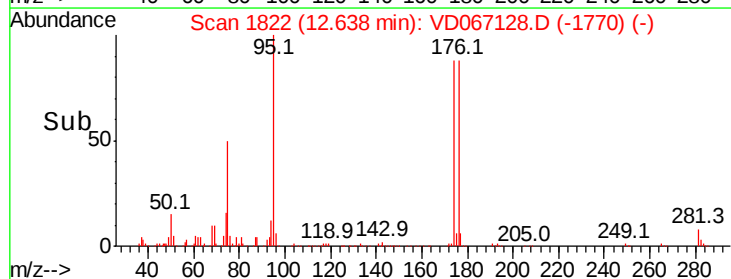
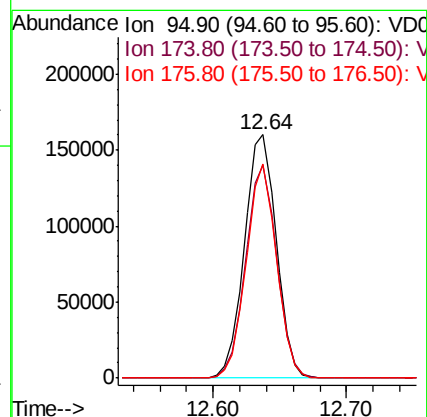
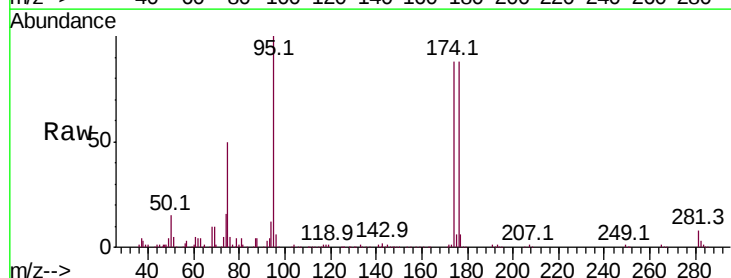
Tgt Ion: 95 Resp: 263108

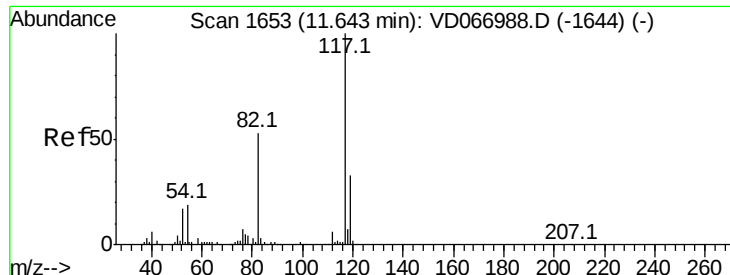
Ion Ratio Lower Upper

95 100

174 85.6 0.0 167.6

176 83.7 0.0 162.4

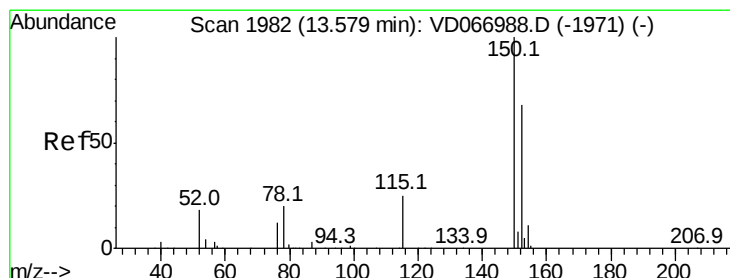
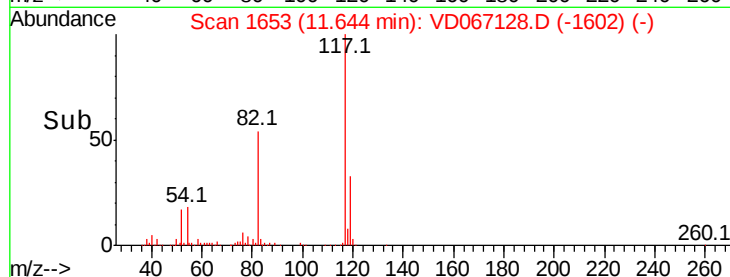
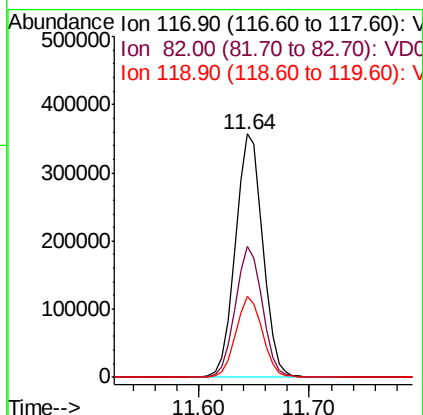
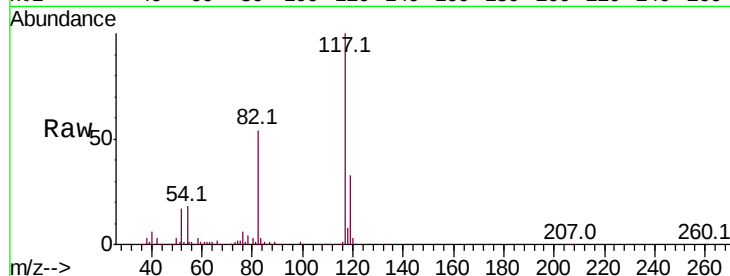




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067128.D
Acq: 07 Oct 2020 01:51

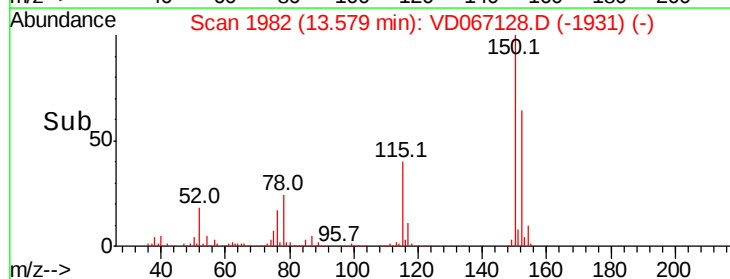
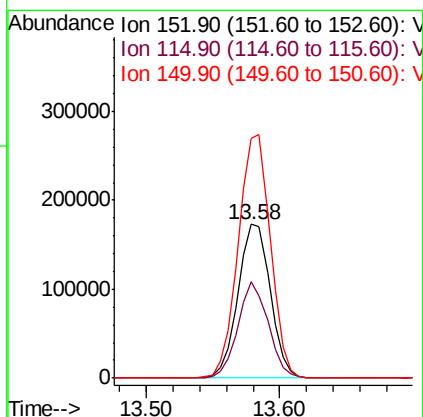
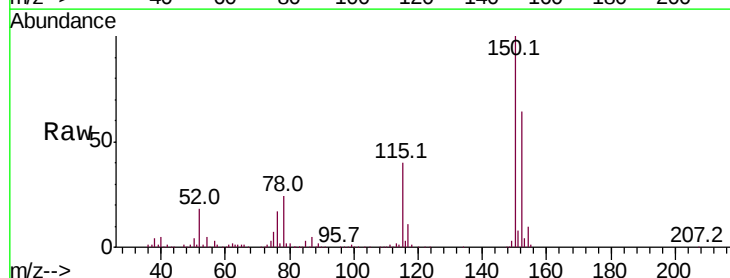
Instrument :
MSVOA_D
ClientSampleId :
SB-1

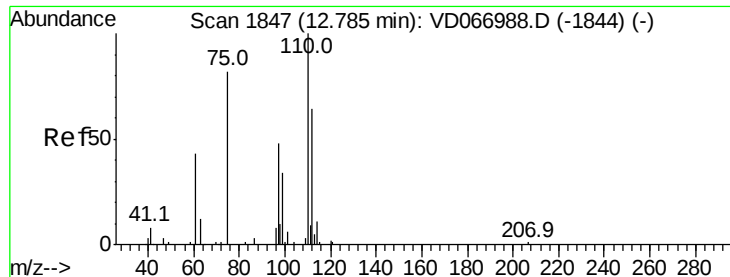
Tot Ion:117 Resp: 624104
Ion Ratio Lower Upper
117 100
82 53.6 42.6 63.8
119 33.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067128.D
Acq: 07 Oct 2020 01:51

Tgt Ion:152 Resp: 289575
Ion Ratio Lower Upper
152 100
115 58.7 29.6 88.8
150 157.0 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 51.464 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067128.D

Acq: 07 Oct 2020 01:51

Instrument :

MSVOA_D

ClientSampleId :

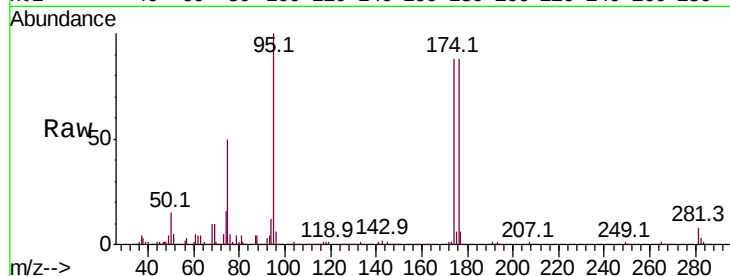
SB-1

Tot Ion: 75 Resp: 129808

Ion Ratio Lower Upper

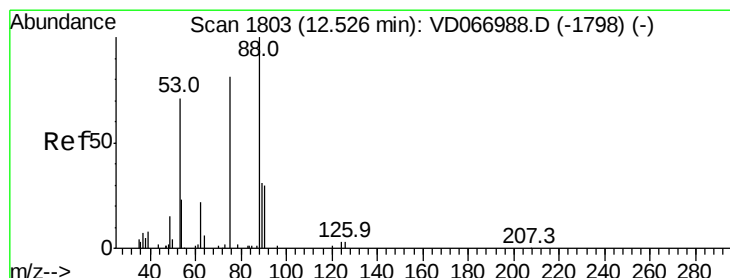
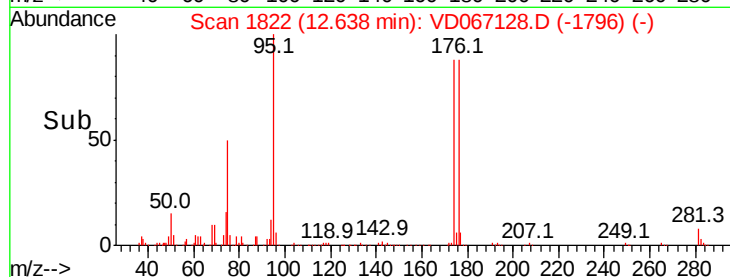
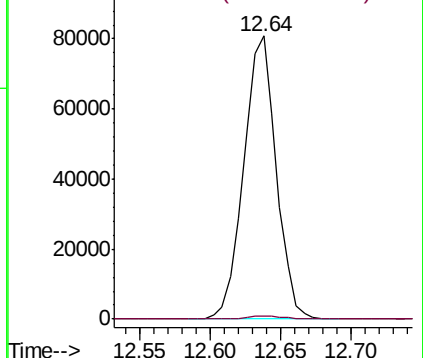
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 128.307 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067128.D

Acq: 07 Oct 2020 01:51

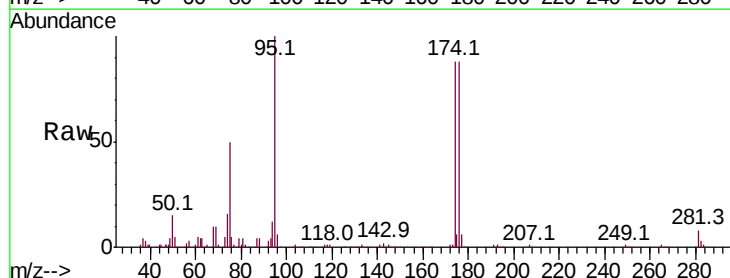
Tgt Ion: 75 Resp: 129808

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

