

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063932.D
 Acq On : 11 Oct 2019 12:53
 Operator : VA/SY
 Sample : K5149-01
 Misc : 8.02G/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-101019

Quant Time: Oct 12 01:36:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

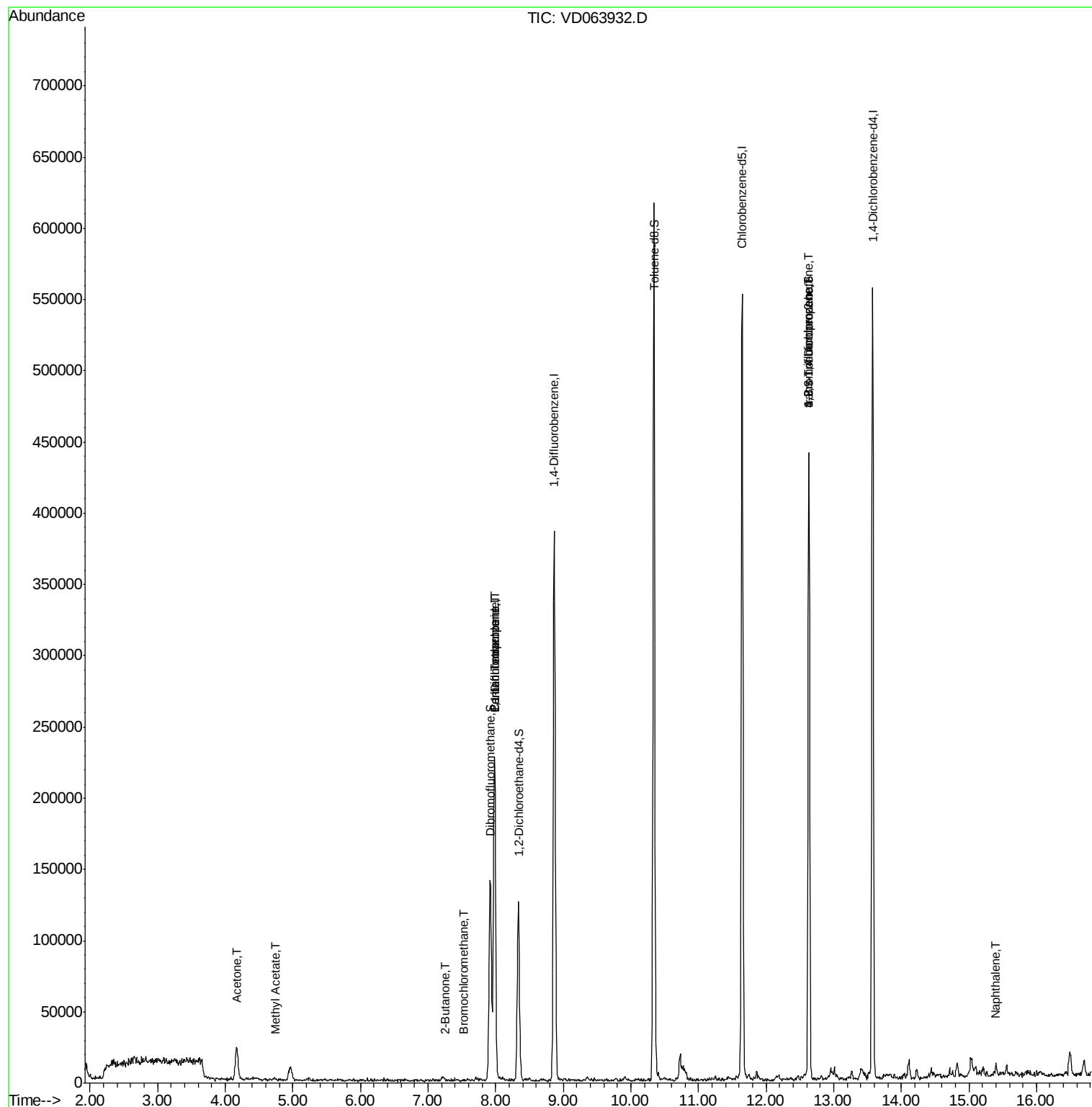
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	180748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	331257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	315080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	149402	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	98117	55.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.52%	
35) Dibromofluoromethane	7.92	113	101858	50.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.62%	
50) Toluene-d8	10.34	98	416127	50.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.63	95	124238	43.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.02%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.21	50	922	Below Cal	#	40
11) Tert butyl alcohol	5.24	59	613	Below Cal		95
16) Acetone	4.17	43	41109	89.728	ug/l	99
18) Methyl Acetate	4.74	43	2321	2.590	ug/l #	68
25) 2-Butanone	7.24	43	577	1.063	ug/l #	50
28) Bromochloromethane	7.51	49	98	1.942	ug/l #	65
31) Cyclohexane	7.98	56	4642	Below Cal	#	53
36) 1,1-Dichloropropene	7.98	75	12890	4.256	ug/l #	53
37) Ethyl Acetate	7.31	43	65	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	17451	5.702	ug/l #	21
76) 1,2,3-Trichloropropane	12.63	75	67975	67.931	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	67975	120.210	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.66	75	67	Below Cal	#	1
95) Naphthalene	15.40	128	6509	1.178	ug/l #	92

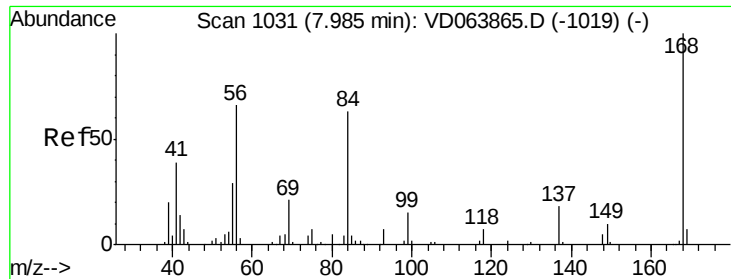
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063932.D

Acq: 11 Oct 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

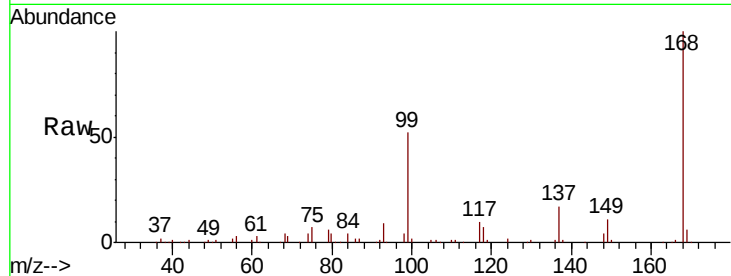
EO-02-101019

Tot Ion:168 Resp: 180748

Ion Ratio Lower Upper

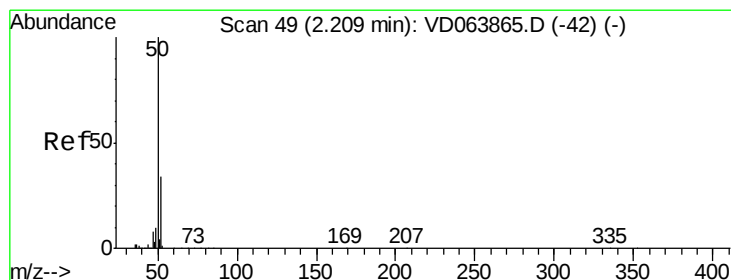
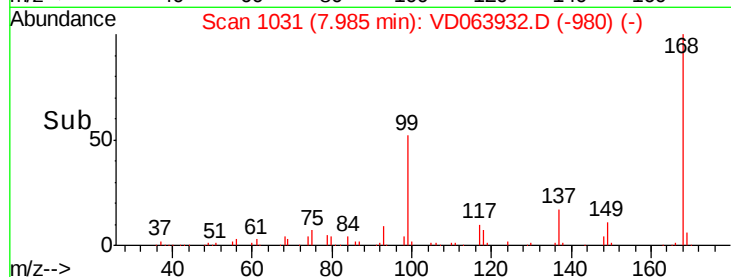
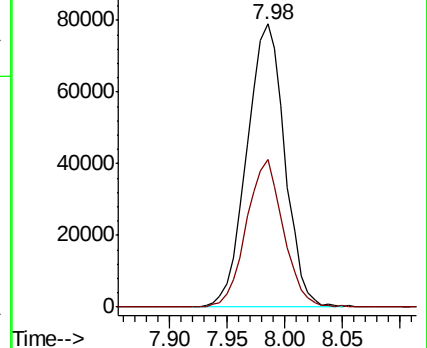
168 100

99 52.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063932.D

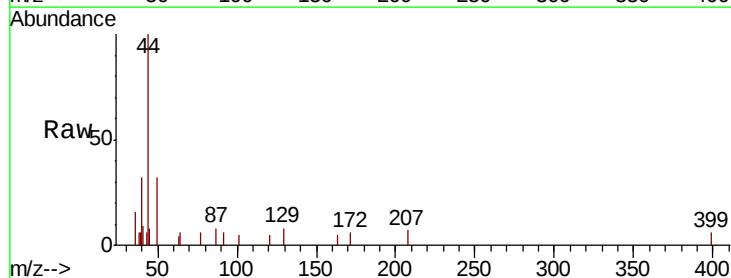
Acq: 11 Oct 2019 12:53

Tgt Ion: 50 Resp: 922

Ion Ratio Lower Upper

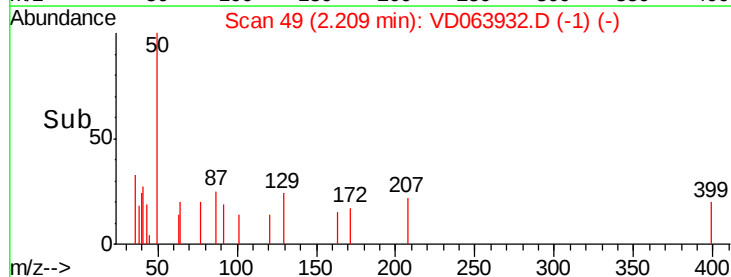
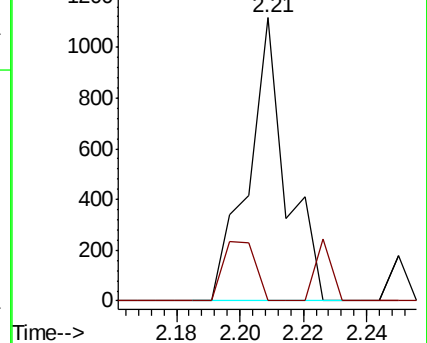
50 100

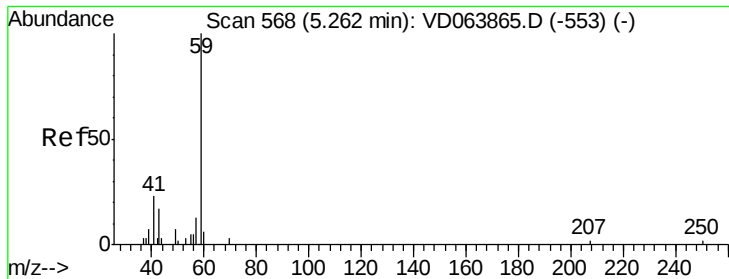
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

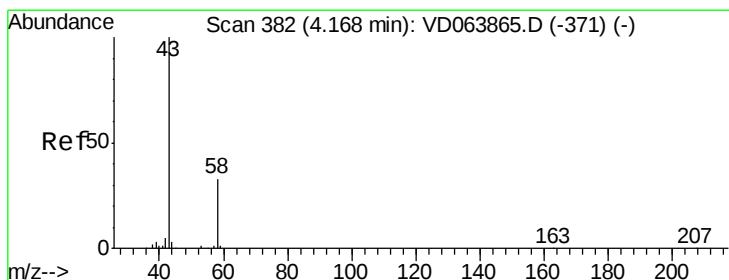
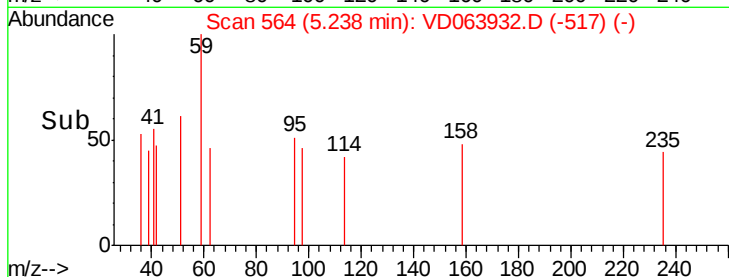
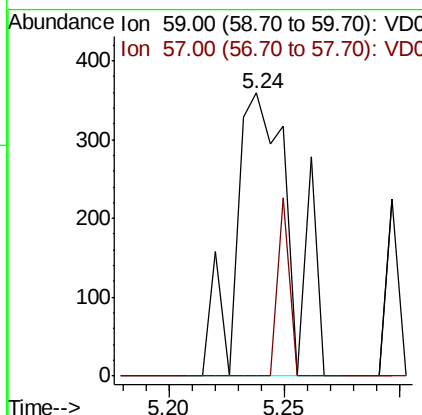
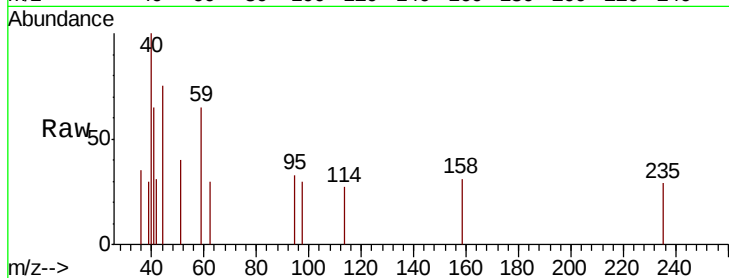




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD063932.D
Acq: 11 Oct 2019 12:53

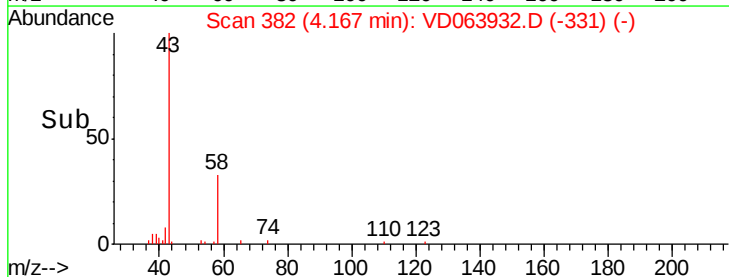
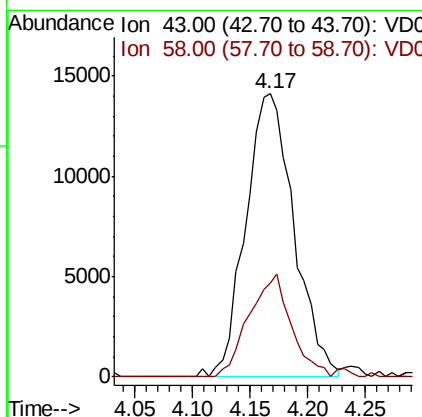
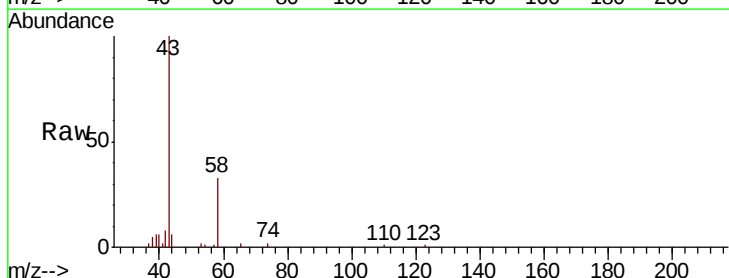
Instrument :
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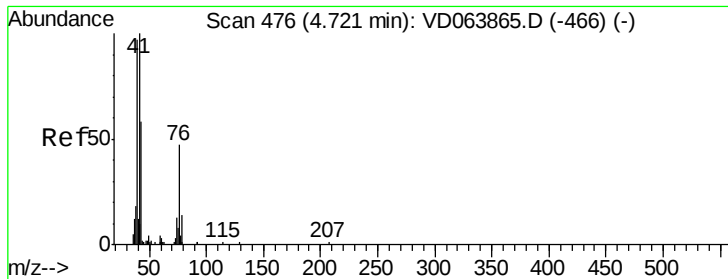
Tot Ion: 59 Resp: 613
Ion Ratio Lower Upper
59 100
57 13.1 8.8 13.2



#16
Acetone
Concen: 89.728 ug/l
RT: 4.17 min Scan# 382
Delta R.T. -0.00 min
Lab File: VD063932.D
Acq: 11 Oct 2019 12:53

Tgt Ion: 43 Resp: 41109
Ion Ratio Lower Upper
43 100
58 33.2 26.2 39.4

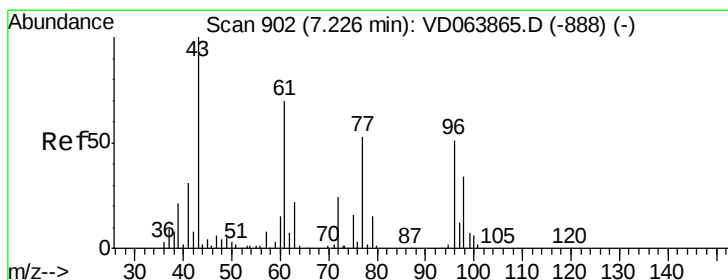
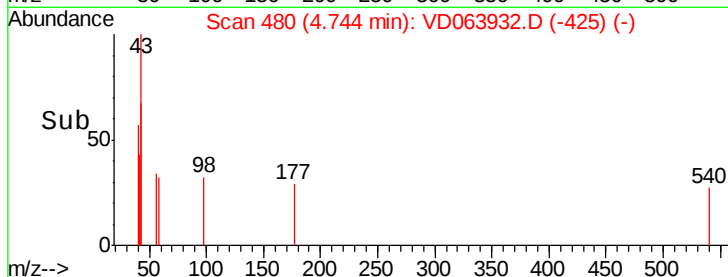
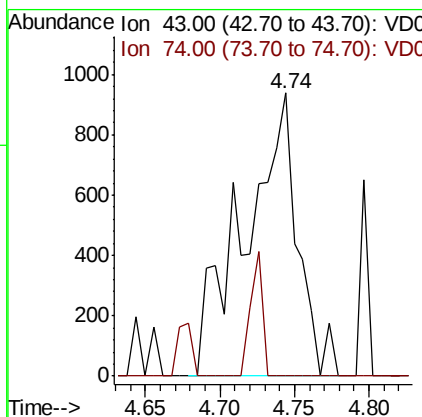
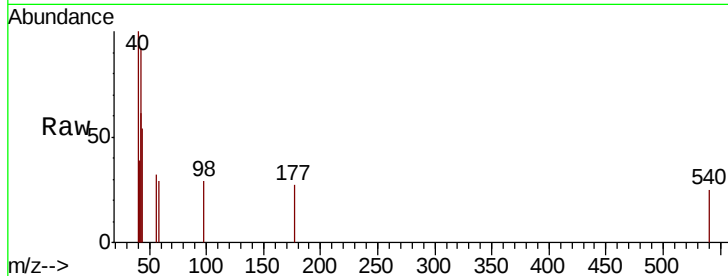




#18
Methvl Acetate
Concen: 2.590 ug/l
RT: 4.74 min Scan# 480
Delta R.T. 0.02 min
Lab File: VD063932.D
Acq: 11 Oct 2019 12:53

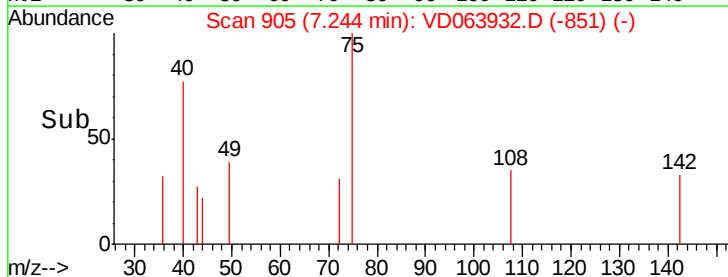
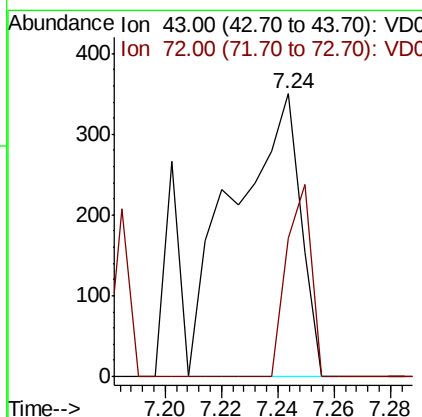
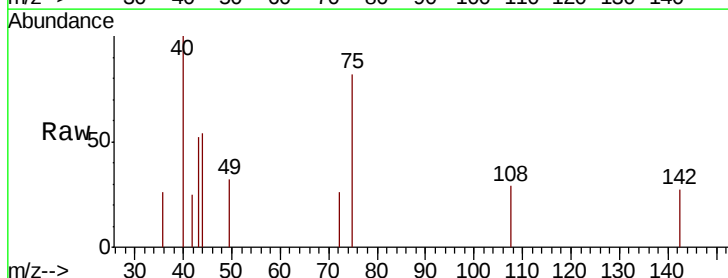
Instrument :
MSVOA_D
ClientSampleId :
EO-02-101019

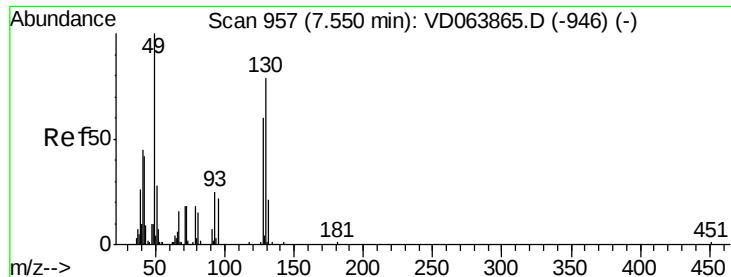
Tot Ion: 43 Resp: 2321
Ion Ratio Lower Upper
43 100
74 9.7 20.8 31.2#



#25
2-Butanone
Concen: 1.063 ug/l
RT: 7.24 min Scan# 905
Delta R.T. 0.02 min
Lab File: VD063932.D
Acq: 11 Oct 2019 12:53

Tgt Ion: 43 Resp: 577
Ion Ratio Lower Upper
43 100
72 48.9 19.2 28.8#

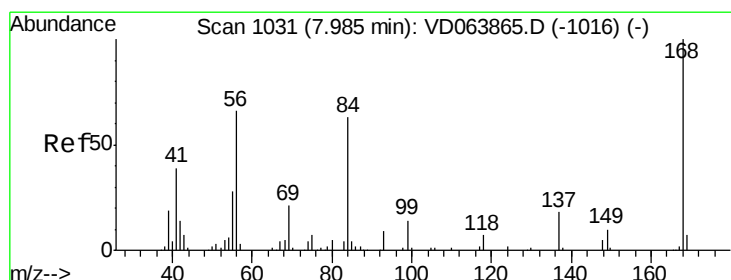
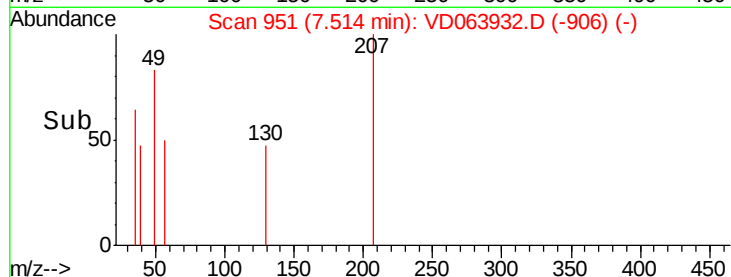
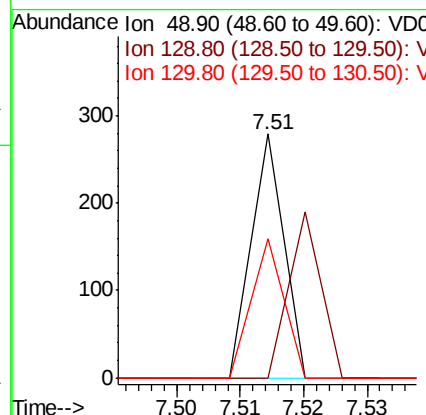
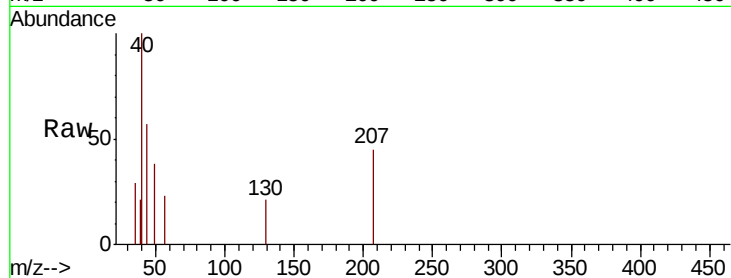




#28
Bromochloromethane
Concen: 1.942 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.03 min
Lab File: VD063932.D
Acq: 11 Oct 2019 12:53

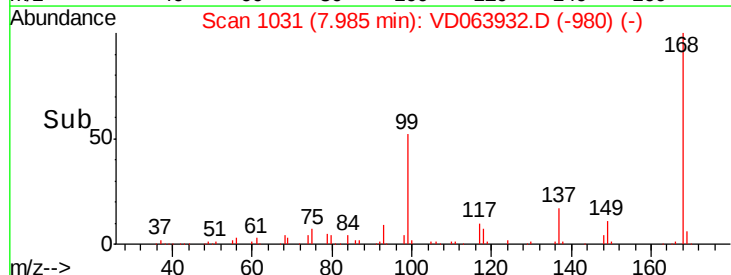
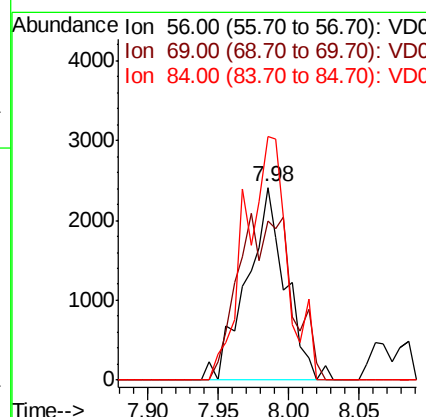
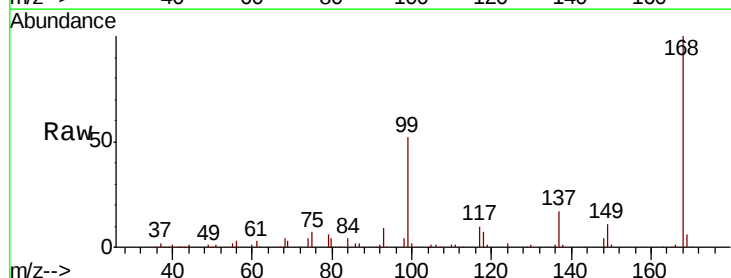
Instrument :
MSVOA_D
ClientSampleId :
EO-02-101019

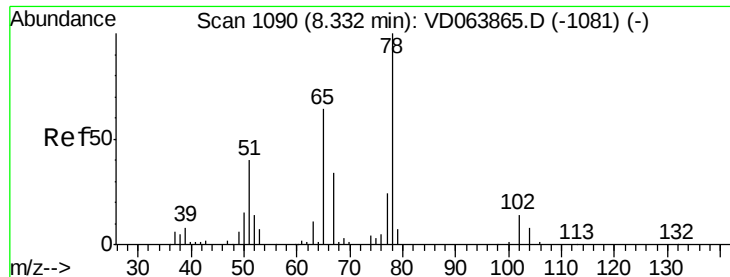
Tot Ion: 49 Resp: 98
Ion Ratio Lower Upper
49 100
129 68.4 0.0 5.6#
130 57.1 66.8 100.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063932.D
Acq: 11 Oct 2019 12:53

Tgt Ion: 56 Resp: 4642
Ion Ratio Lower Upper
56 100
69 82.6 25.0 37.4#
84 126.2 76.3 114.5#





#33

1,2-Dichloroethane-d4

Concen: 55.757 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063932.D

Acq: 11 Oct 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

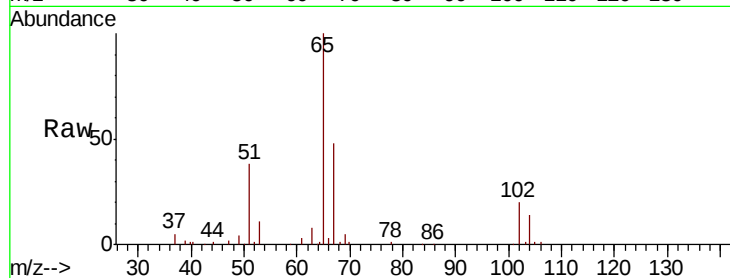
EO-02-101019

Tot Ion: 65 Resp: 98117

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

50000

40000

30000

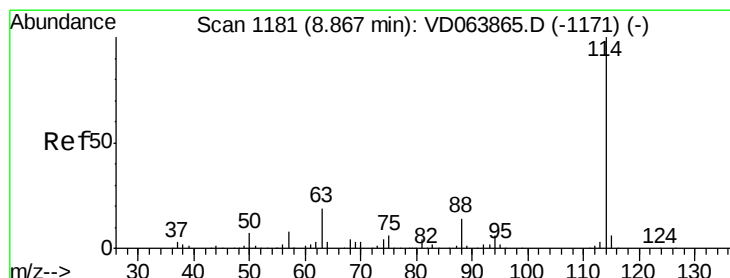
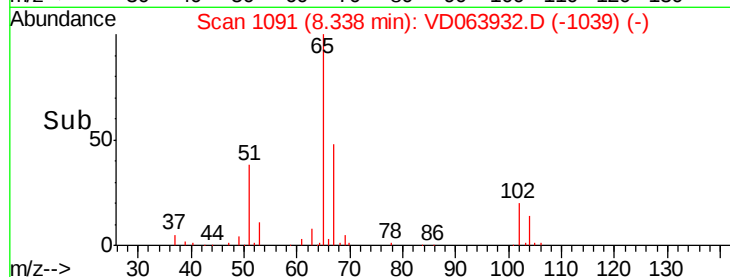
20000

10000

0

8.20 8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063932.D

Acq: 11 Oct 2019 12:53

Tgt Ion: 114 Resp: 331257

Ion Ratio Lower Upper

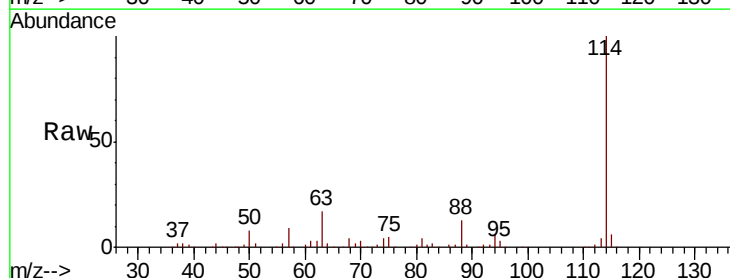
114 100

63 17.3

0.0 38.4

88 12.9

0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

200000

150000

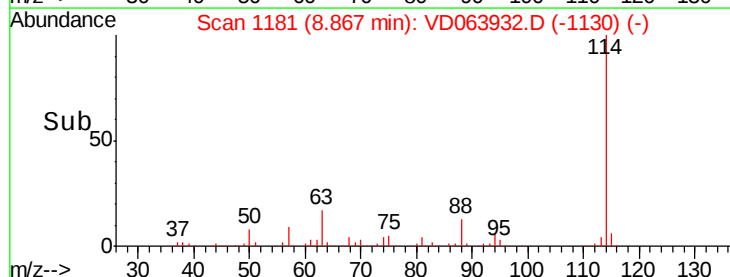
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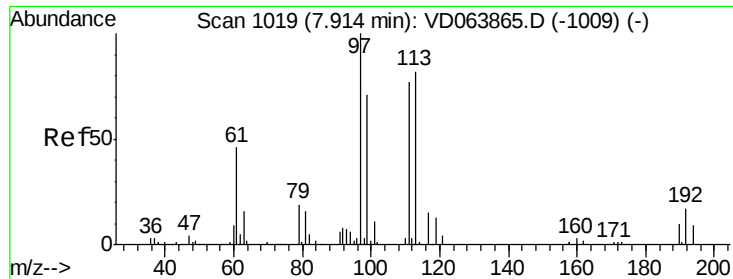
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->

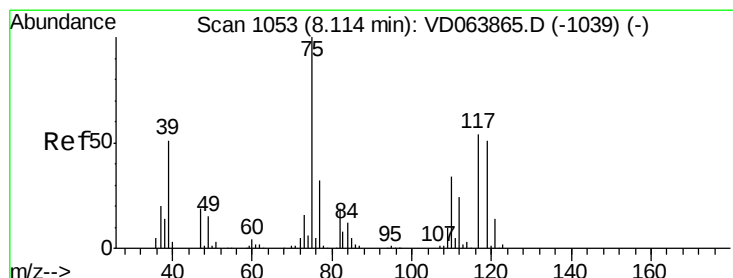
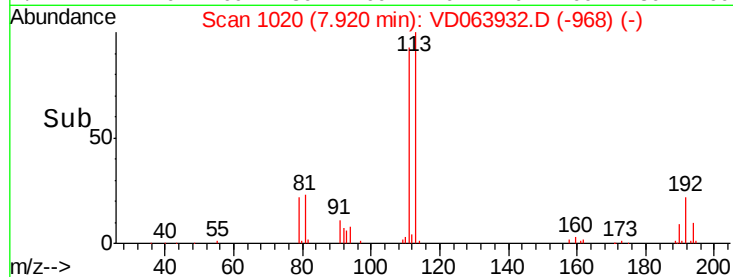
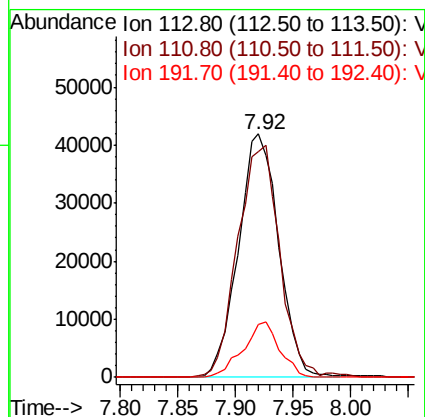
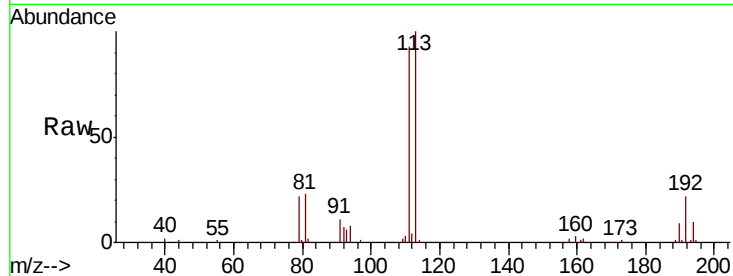




#35
 Dibromofluoromethane
 Concen: 50.315 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063932.D
 Acq: 11 Oct 2019 12:53

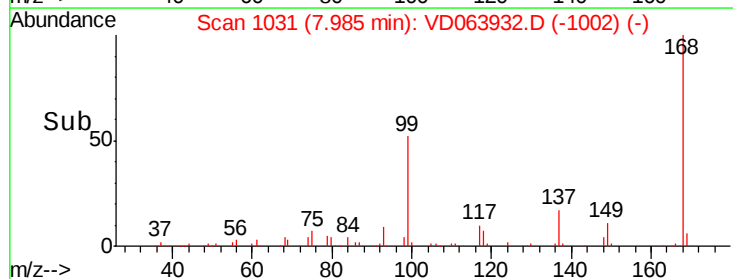
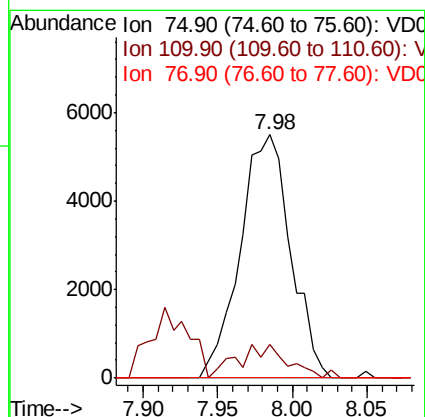
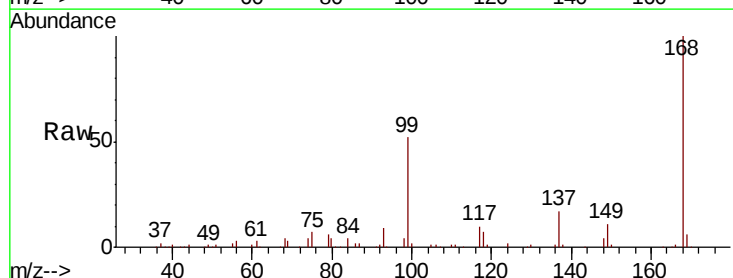
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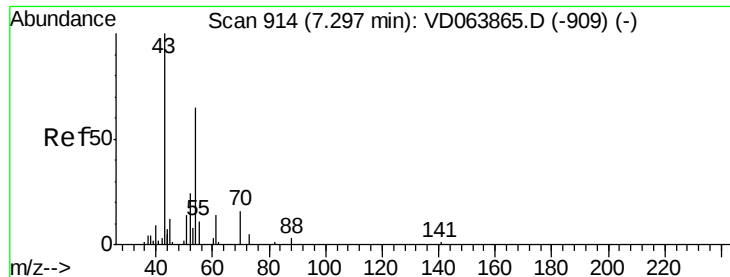
Tot Ion:113 Resp: 101858
 Ion Ratio Lower Upper
 113 100
 111 99.1 82.6 123.8
 192 20.5 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.256 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD063932.D
 Acq: 11 Oct 2019 12:53

Tgt Ion: 75 Resp: 12890
 Ion Ratio Lower Upper
 75 100
 110 13.3 17.4 52.3#
 77 0.0 25.4 38.0#

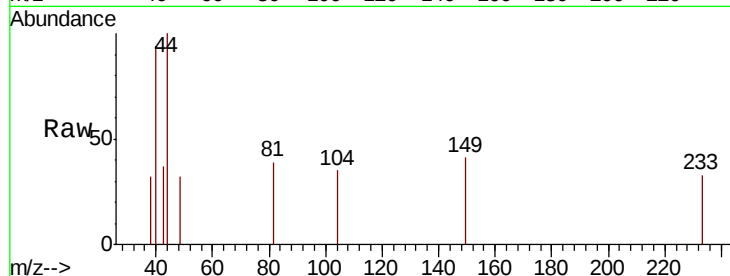




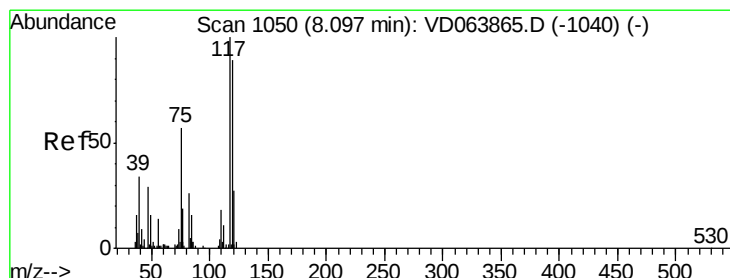
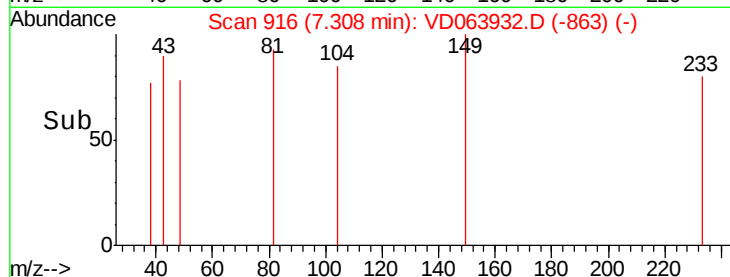
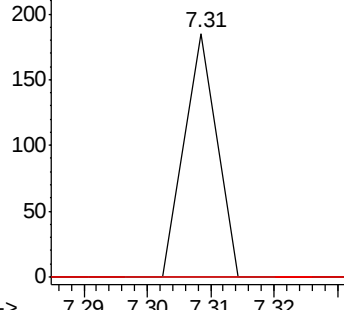
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD063932.D
Acq: 11 Oct 2019 12:53

Instrument :
MSVOA_D
ClientSampleId :
EO-02-101019

Tot Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

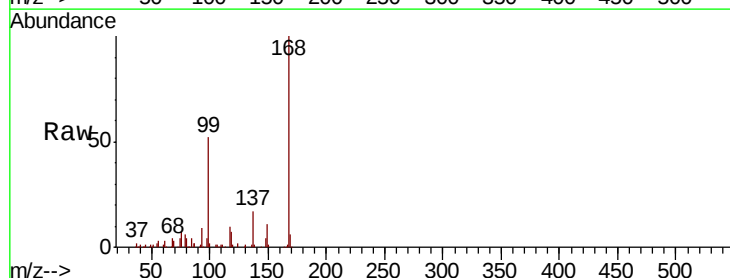


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

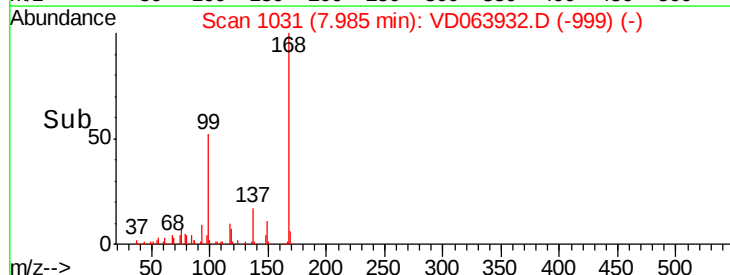
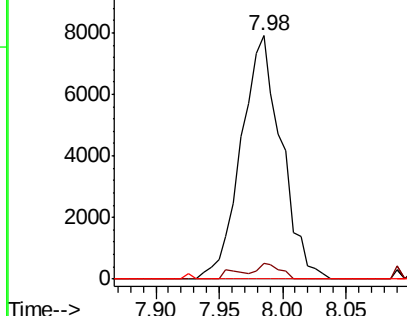


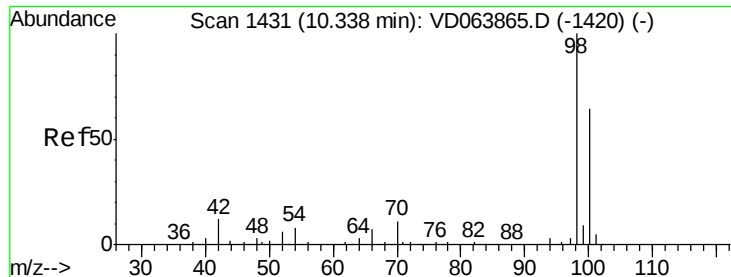
#38
Carbon Tetrachloride
Concen: 5.702 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD063932.D
Acq: 11 Oct 2019 12:53

Tgt Ion: 117 Resp: 17451
Ion Ratio Lower Upper
117 100
119 6.7 70.8 106.2#
121 0.0 21.4 32.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

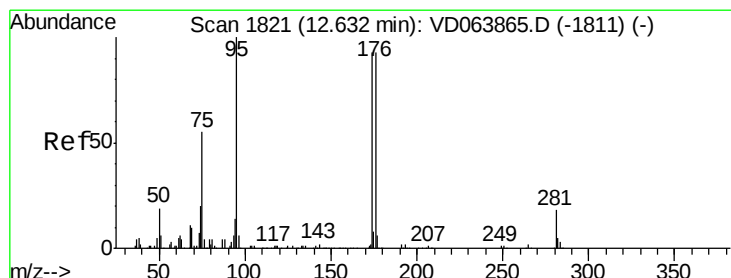
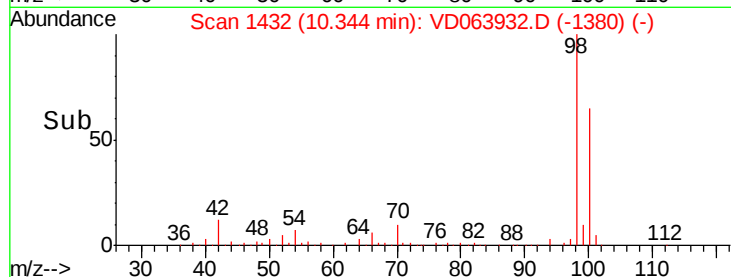
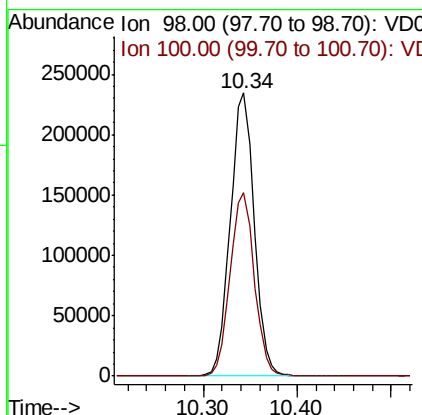
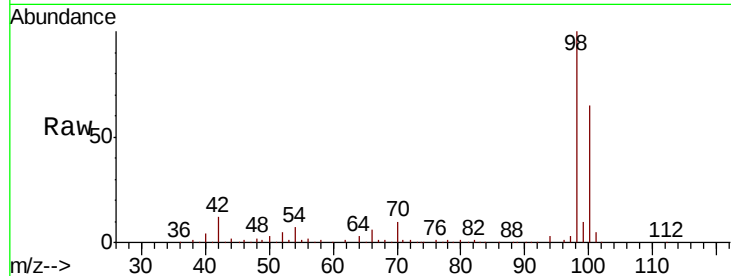




#50
Toluene-d8
Concen: 50.644 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063932.D
Acq: 11 Oct 2019 12:53

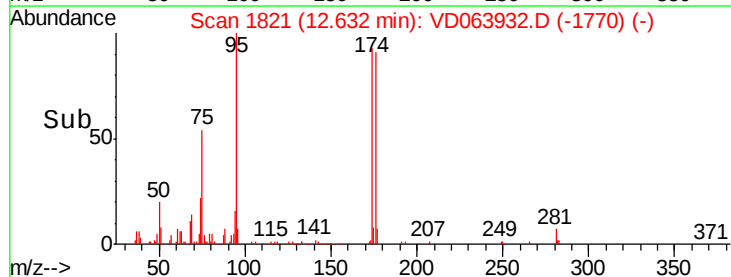
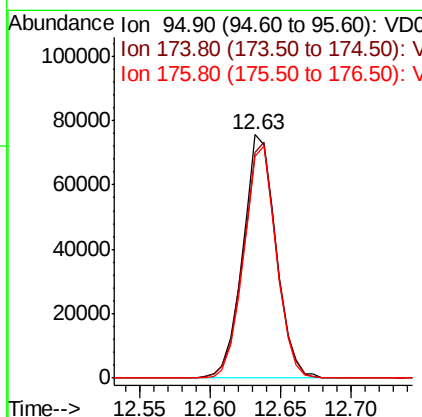
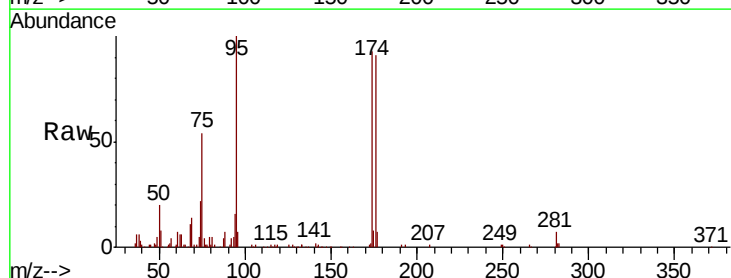
Instrument :
MSVOA_D
ClientSampleId :
EO-02-101019

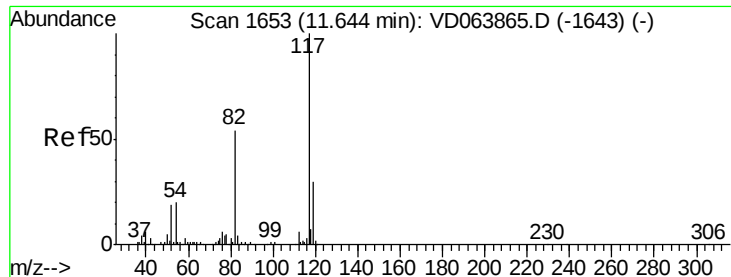
Tot Ion: 98 Resp: 416127
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 43.511 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063932.D
Acq: 11 Oct 2019 12:53

Tgt Ion: 95 Resp: 124238
Ion Ratio Lower Upper
95 100
174 96.8 0.0 186.4
176 93.2 0.0 184.2

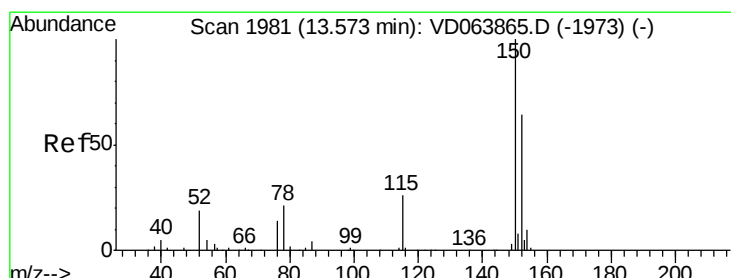
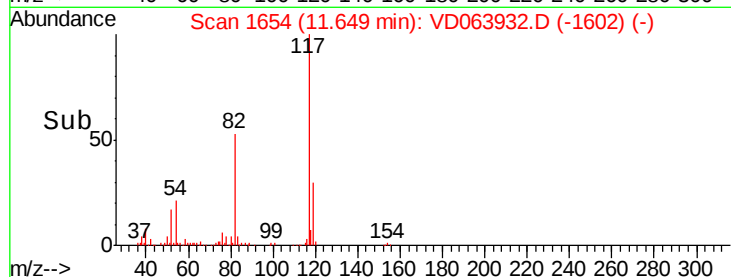
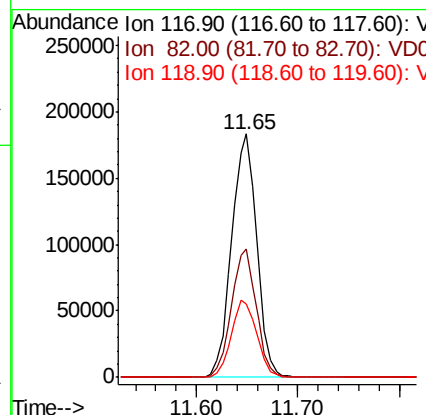
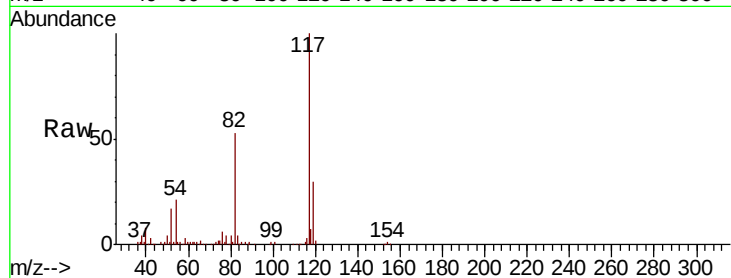




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063932.D
Acq: 11 Oct 2019 12:53

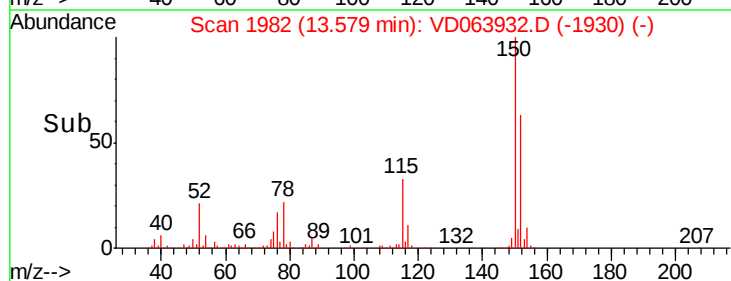
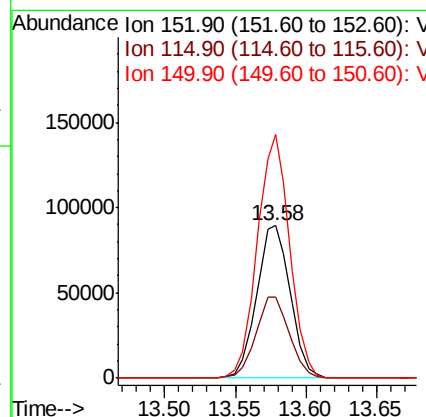
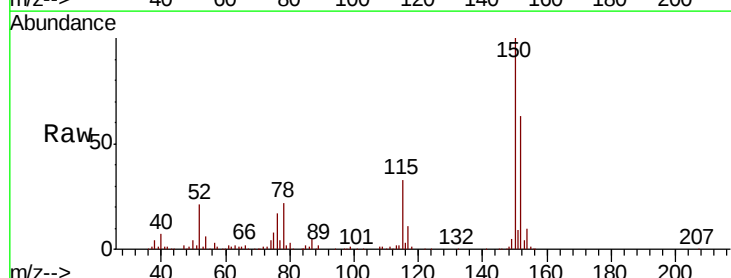
Instrument :
MSVOA_D
ClientSampleId :
EO-02-101019

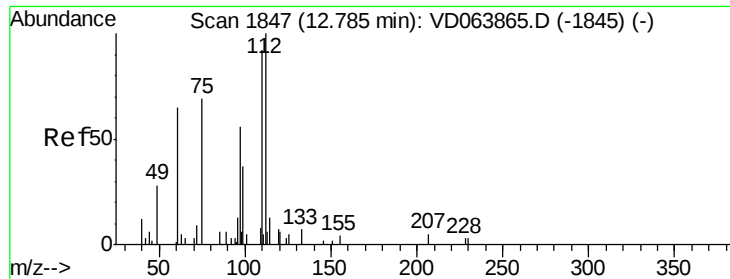
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.8	64.2
119	30.4	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063932.D
Acq: 11 Oct 2019 12:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	25.9	77.7
150	153.3	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 67.931 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063932.D

Acq: 11 Oct 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

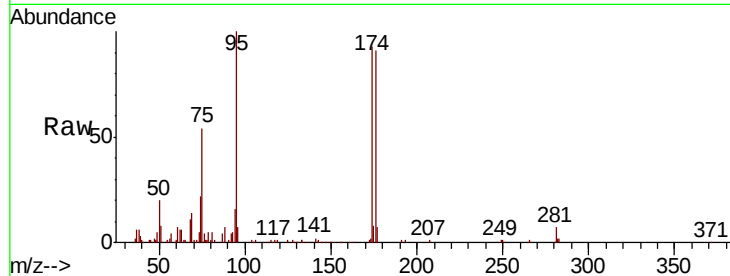
EO-02-101019

Tot Ion: 75 Resp: 67975

Ion Ratio Lower Upper

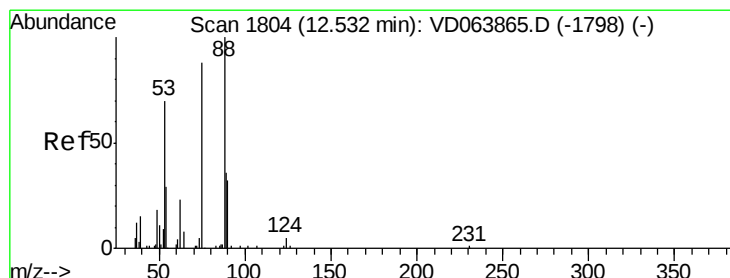
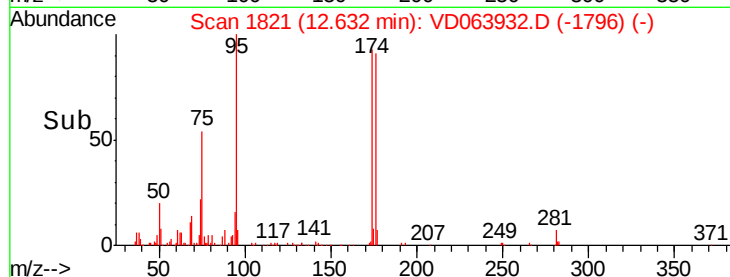
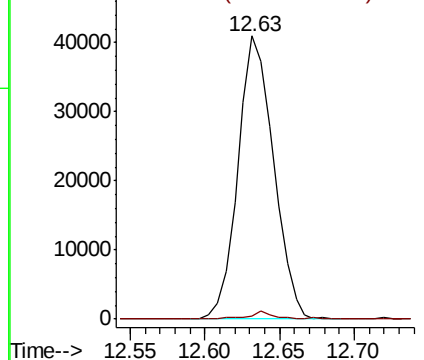
75 100

77 1.9 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: 120.210 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063932.D

Acq: 11 Oct 2019 12:53

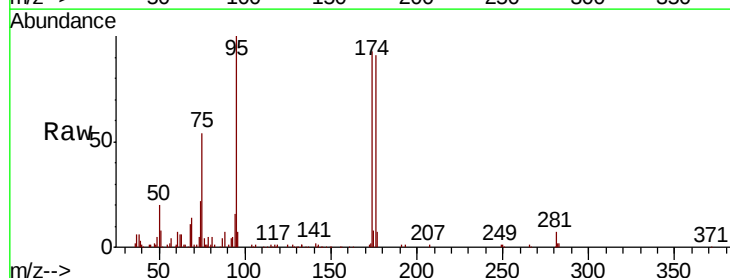
Tgt Ion: 75 Resp: 67975

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

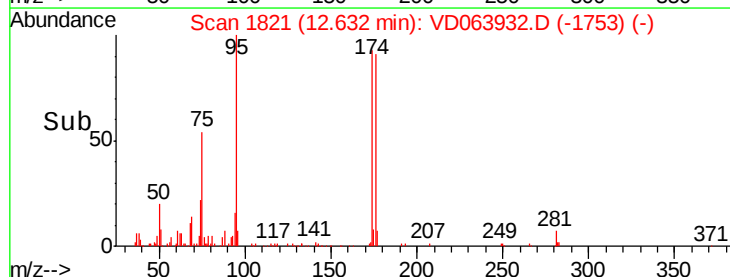
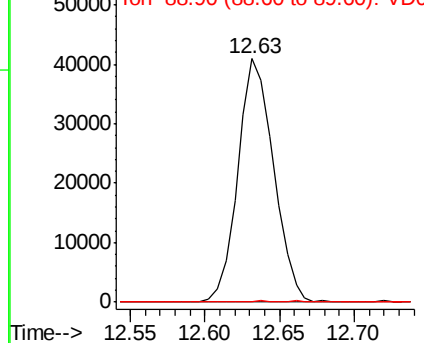
89 0.1 38.2 57.4#

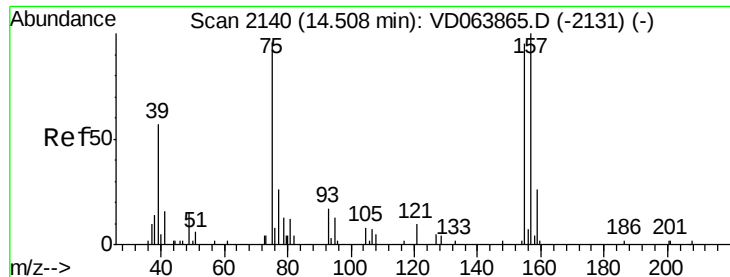


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.66 min Scan# 2165

Delta R.T. 0.15 min

Lab File: VD063932.D

Acq: 11 Oct 2019 12:53

Instrument :

MSVOA_D

ClientSampleId :

EO-02-101019

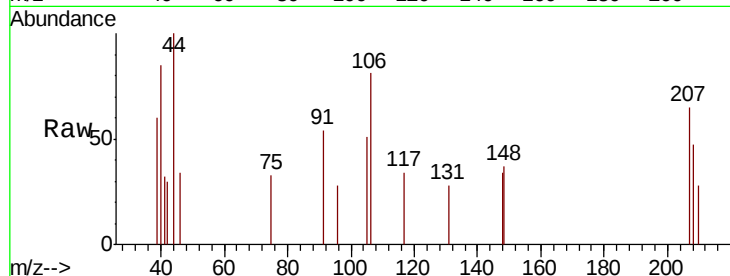
Tot Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

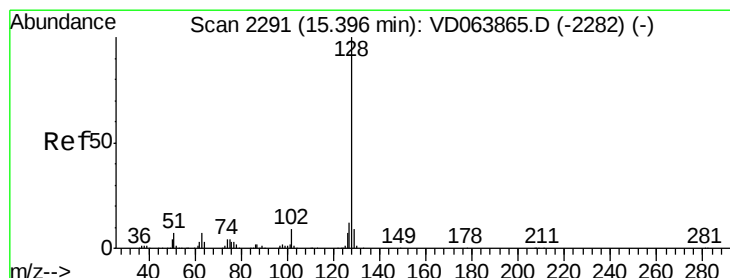
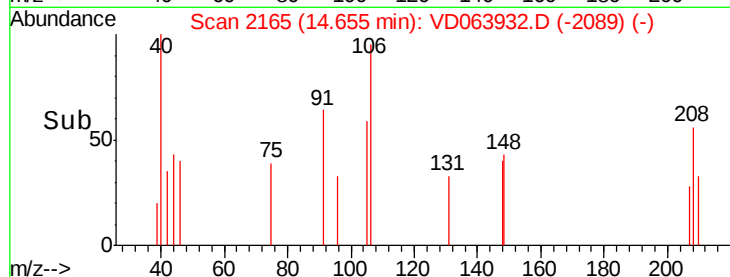
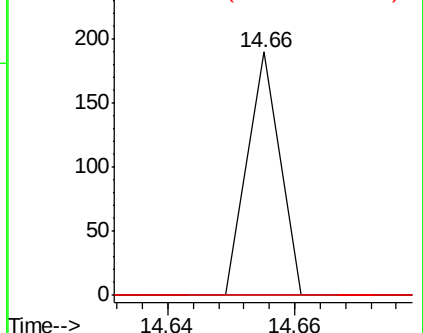
157 0.0 56.0 167.9#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 1.178 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063932.D

Acq: 11 Oct 2019 12:53

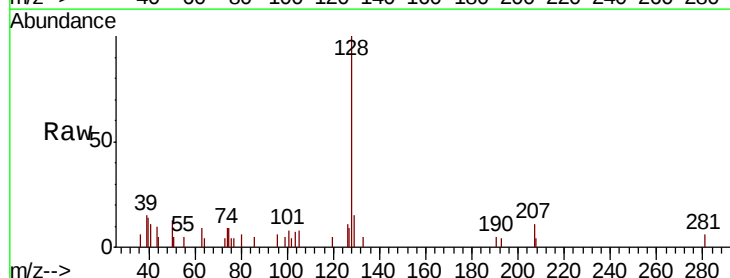
Tgt Ion: 128 Resp: 6509

Ion Ratio Lower Upper

128 100

127 18.7 10.6 16.0#

129 11.3 8.6 13.0



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

