

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066910.D
 Acq On : 28 Sep 2020 13:47
 Operator : VA/SY
 Sample : L4129-17
 Misc : 6.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-COMP-2

Quant Time: Sep 29 00:56:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	122298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	203078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	225252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	105939	50.00	ug/l	0.00

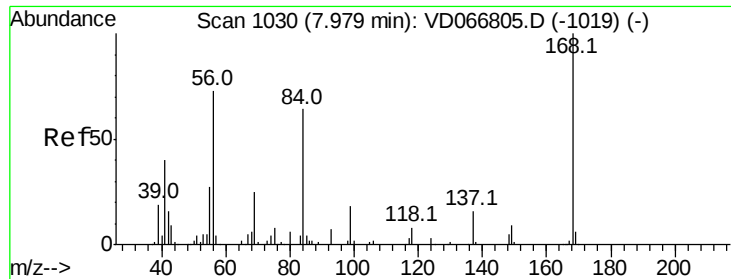
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	84167	70.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.62%	
35) Dibromofluoromethane	7.91	113	78676	60.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.80%	
50) Toluene-d8	10.34	98	249780	56.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.48%	
62) 4-Bromofluorobenzene	12.63	95	100392	66.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.24%	

Target Compounds

					Qvalue	
11) Tert butyl alcohol	5.21	59	2169	Below Cal	#	72
16) Acetone	4.16	43	26833	105.673	ug/l	96
17) Carbon Disulfide	4.41	76	5014	1.369	ug/l #	93
18) Methyl Acetate	4.71	43	549	Below Cal	#	50
20) Methylene Chloride	4.96	84	7156	Below Cal	#	76
23) Vinyl Acetate	6.51	43	58	2.701	ug/l #	71
25) 2-Butanone	7.23	43	9079	29.753	ug/l #	85
31) Cyclohexane	7.98	56	3682	1.692	ug/l #	69
36) 1,1-Dichloropropene	7.99	75	9737	4.833	ug/l #	50
37) Ethyl Acetate	7.23	43	9079	12.465	ug/l #	70
38) Carbon Tetrachloride	7.98	117	12132	5.508	ug/l #	12
39) Methylcyclohexane	9.36	83	2538	1.097	ug/l #	78
40) Benzene	8.35	78	67947	12.101	ug/l	96
48) Methyl methacrylate	9.42	41	1602	2.314	ug/l #	27
51) 4-Methyl-2-Pentanone	10.23	43	2584	3.632	ug/l #	85
52) Toluene	10.40	92	86980	24.049	ug/l	99
59) 2-Hexanone	10.98	43	1264	2.634	ug/l	68
67) Ethyl Benzene	11.74	91	22373	2.717	ug/l	89
68) m/p-Xylenes	11.85	106	34394	11.031	ug/l	96
69) o-Xylene	12.17	106	14289	5.068	ug/l	95
70) Styrene	12.18	104	5656	1.155	ug/l #	69
76) 1,2,3-Trichloropropane	12.63	75	50758	57.815	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	50758	144.648	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	14211	2.207	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.59	75	5140	24.196	ug/l #	13
95) Naphthalene	15.40	128	97149	30.046	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066910.D

Acq: 28 Sep 2020 13:47

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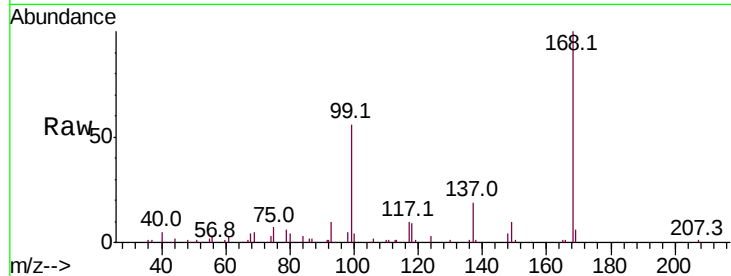
DRUM-COMP-2

Tot Ion:168 Resp: 122298

Ion Ratio Lower Upper

168 100

99 56.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

60000

50000

40000

30000

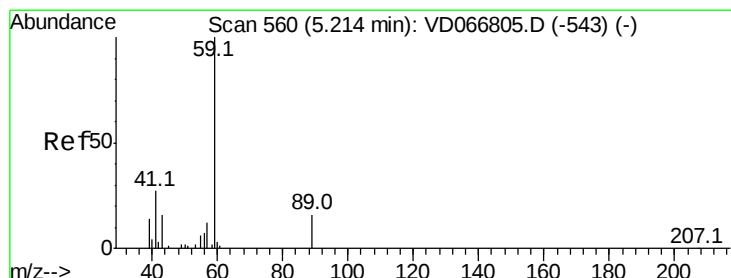
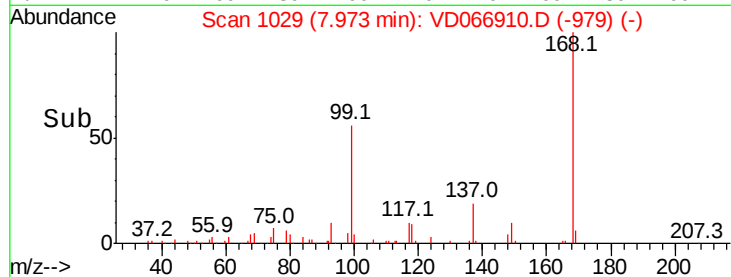
20000

10000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD066910.D

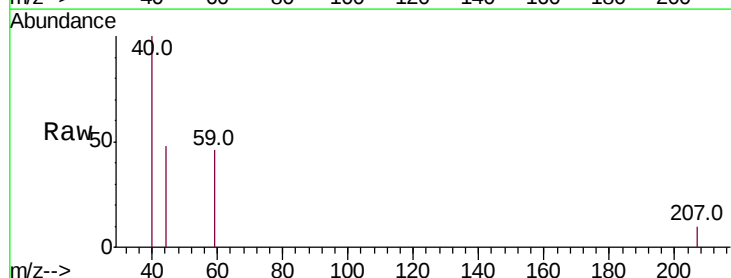
Acq: 28 Sep 2020 13:47

Tgt Ion: 59 Resp: 2169

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

1200

1000

800

600

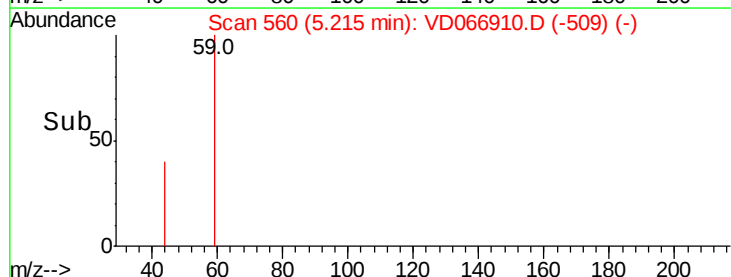
400

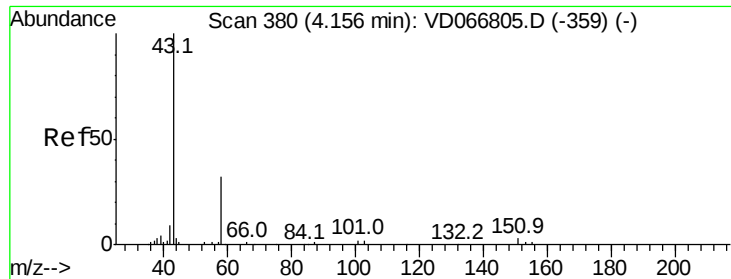
200

0

Time-->

5.15 5.20 5.25





#16

Acetone

Concen: 105.673 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066910.D

Acq: 28 Sep 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

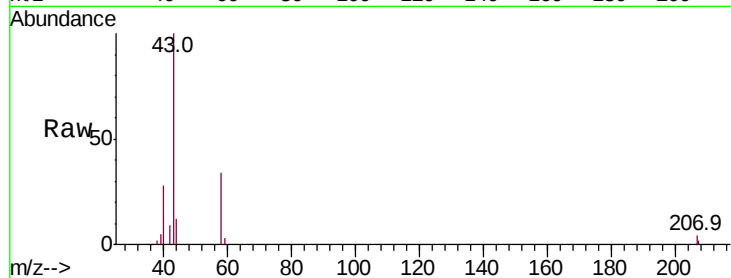
DRUM-COMP-2

Tot Ion: 43 Resp: 26833

Ion Ratio Lower Upper

43 100

58 34.3 25.6 38.4

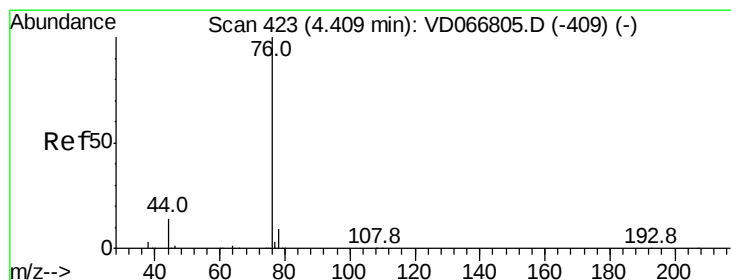
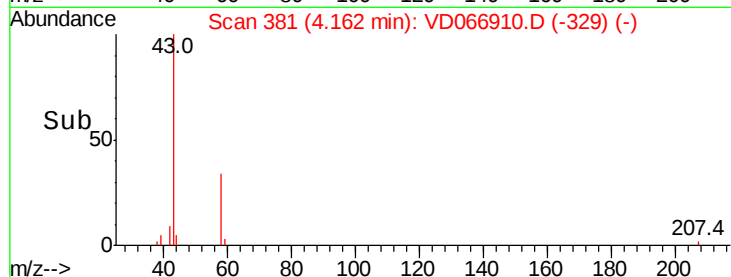


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

Time-->



#17

Carbon Disulfide

Concen: 1.369 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066910.D

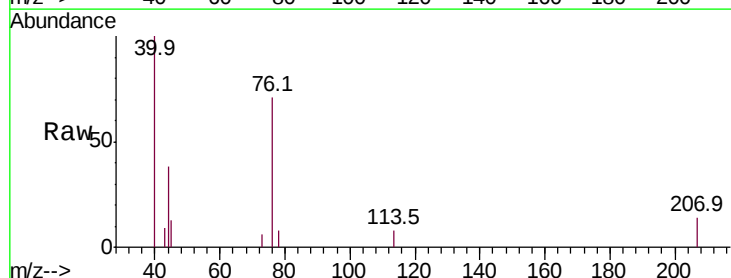
Acq: 28 Sep 2020 13:47

Tgt Ion: 76 Resp: 5014

Ion Ratio Lower Upper

76 100

78 12.0 7.6 11.4#

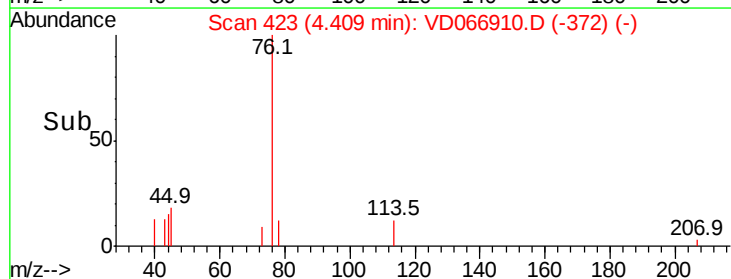


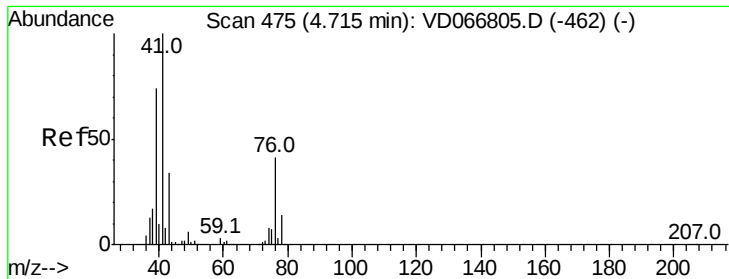
Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

Time-->

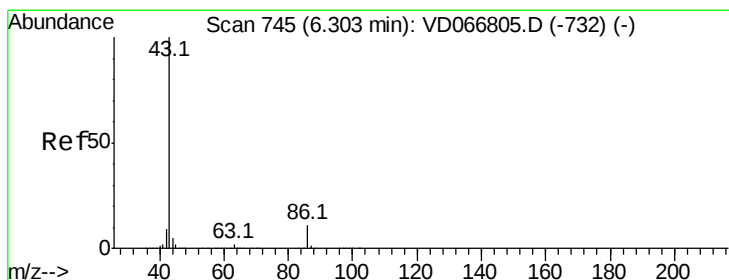
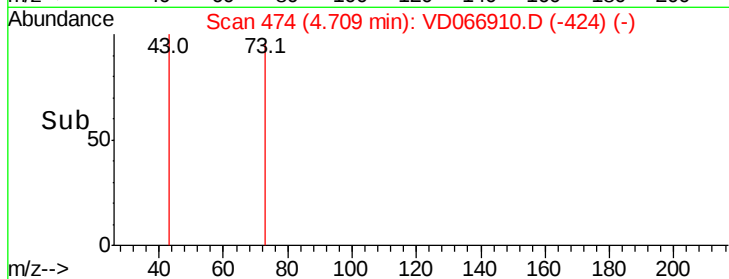
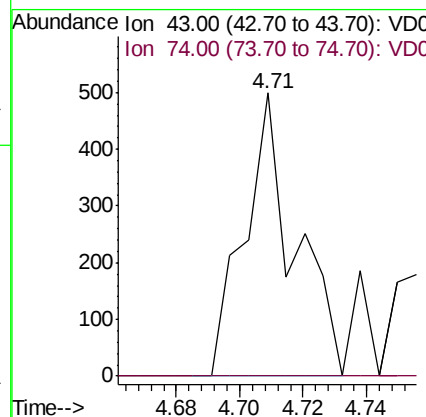
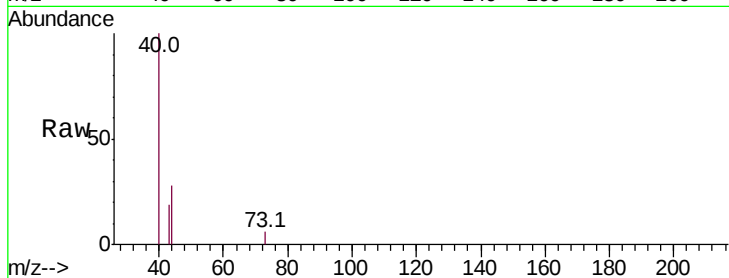




#18
Methvl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066910.D
Acq: 28 Sep 2020 13:47

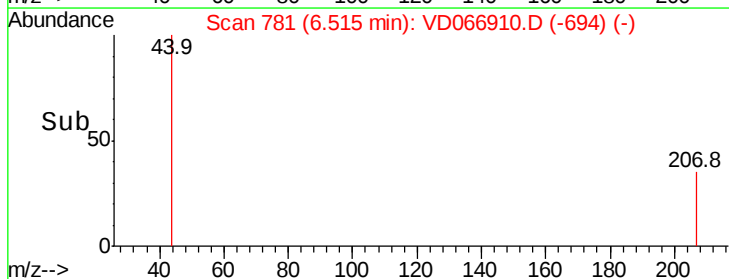
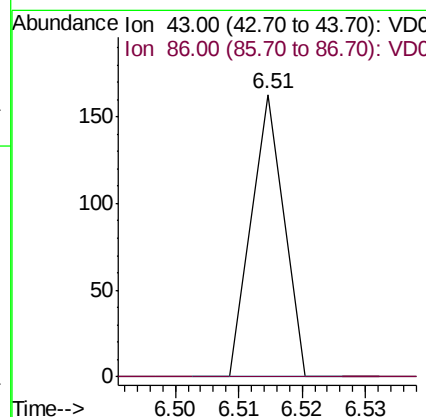
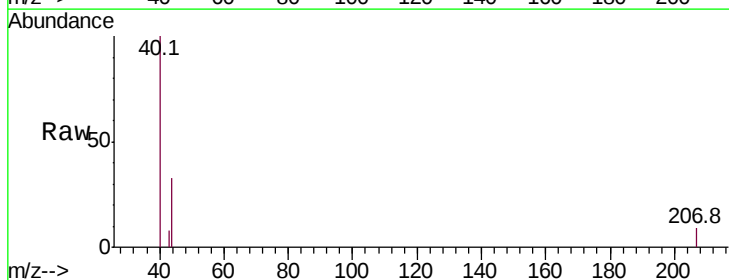
Instrument :
MSVOA_D
ClientSampleId :
DRUM-COMP-2

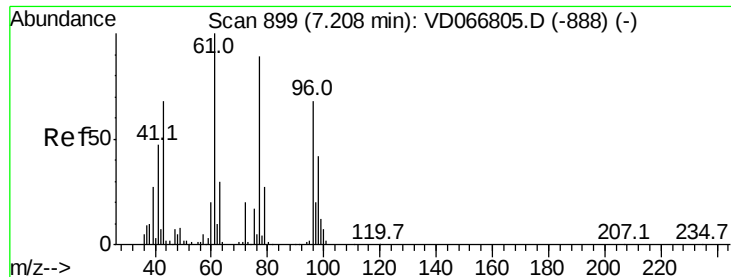
Tot Ion: 43 Resp: 549
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#23
Vinyl Acetate
Concen: 2.701 ug/l
RT: 6.51 min Scan# 781
Delta R.T. 0.21 min
Lab File: VD066910.D
Acq: 28 Sep 2020 13:47

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#

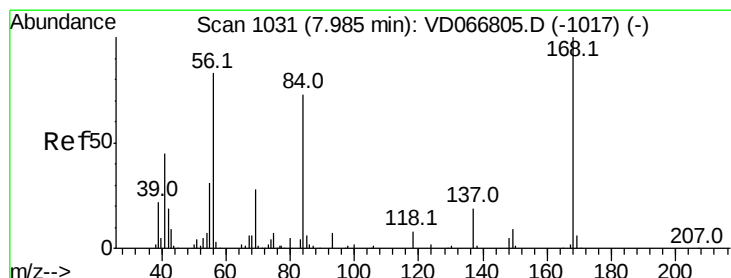
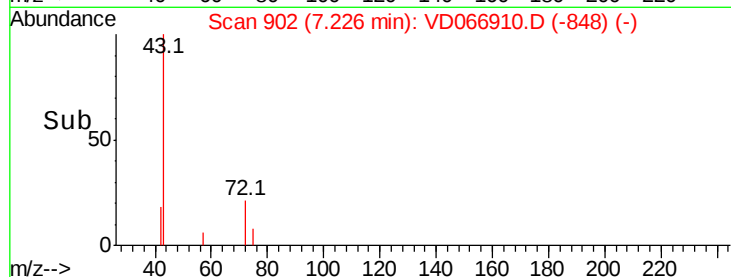
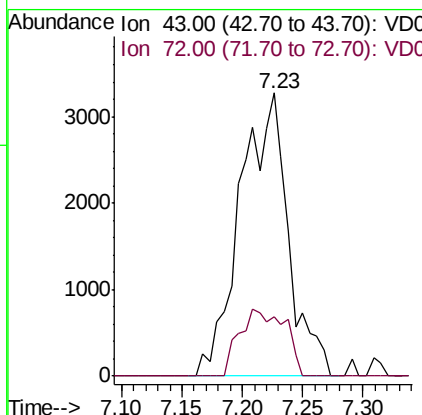
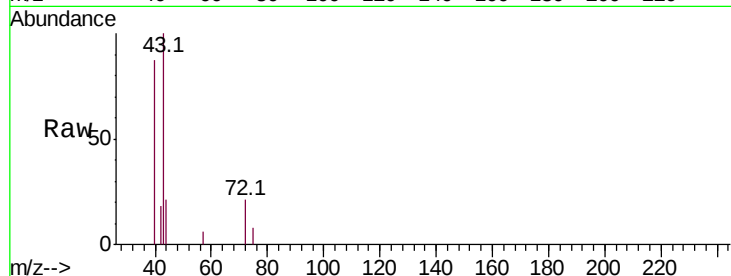




#25
2-Butanone
Concen: 29.753 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.02 min
Lab File: VD066910.D
Acq: 28 Sep 2020 13:47

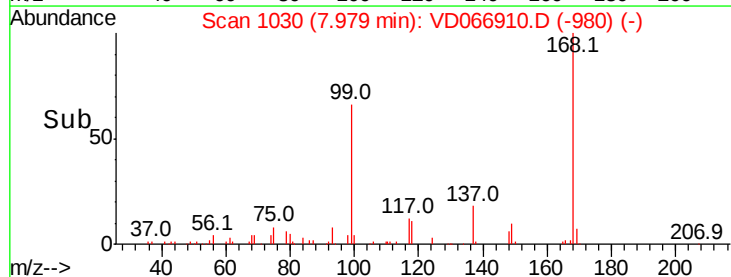
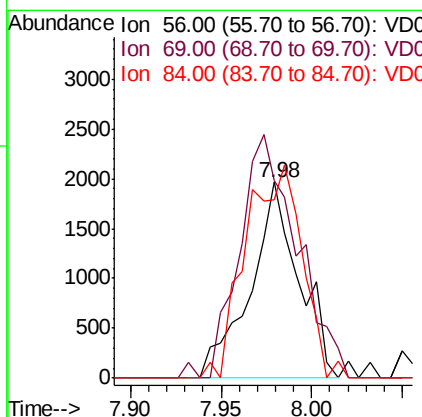
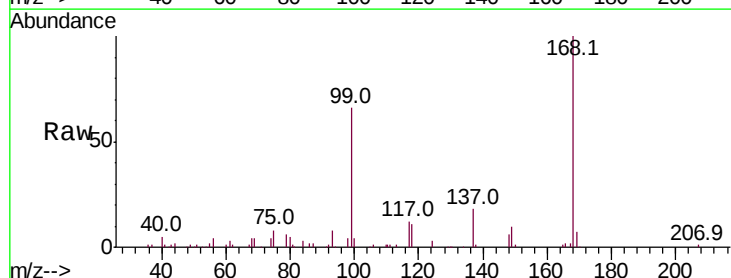
Instrument :
MSVOA_D
ClientSampleId :
DRUM-COMP-2

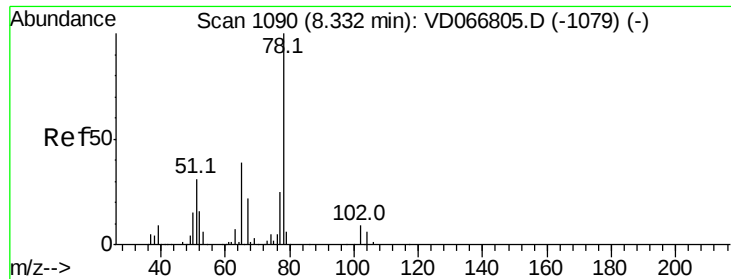
Tot Ion: 43 Resp: 9079
Ion Ratio Lower Upper
43 100
72 20.8 22.9 34.3#



#31
Cyclohexane
Concen: 1.692 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066910.D
Acq: 28 Sep 2020 13:47

Tgt Ion: 56 Resp: 3682
Ion Ratio Lower Upper
56 100
69 92.7 27.0 40.4#
84 91.2 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 70.315 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066910.D

Acq: 28 Sep 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

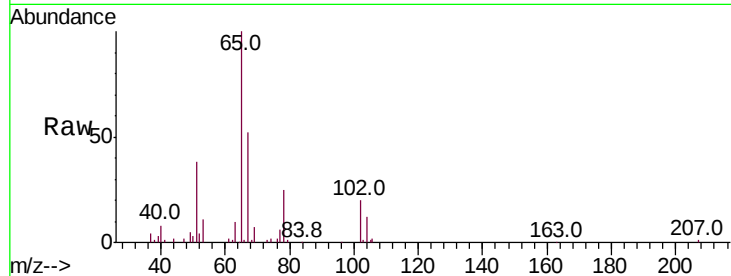
DRUM-COMP-2

Tot Ion: 65 Resp: 84167

Ion Ratio Lower Upper

65 100

67 50.8 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

40000

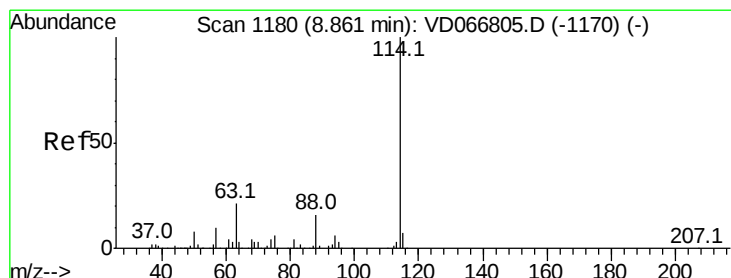
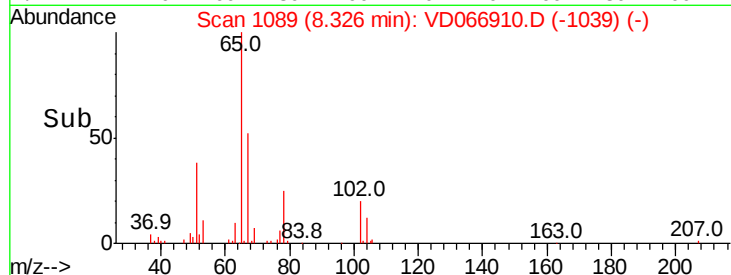
30000

20000

10000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066910.D

Acq: 28 Sep 2020 13:47

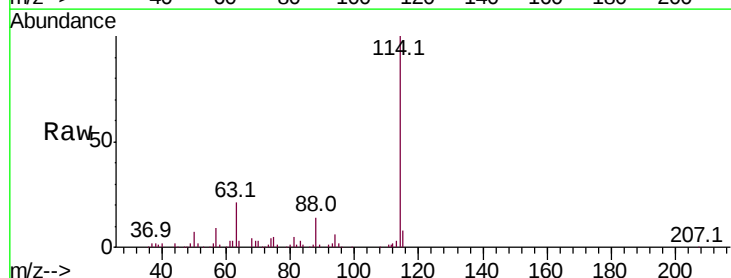
Tgt Ion: 114 Resp: 203078

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 13.9 0.0 32.6



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

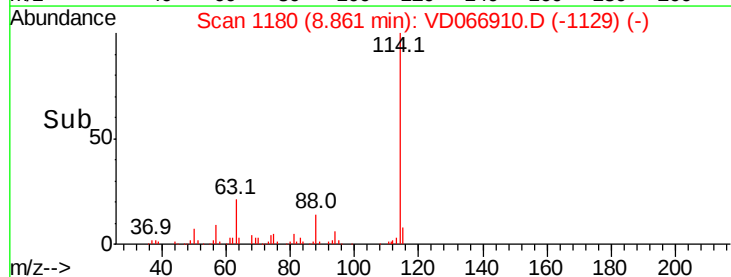
8.86

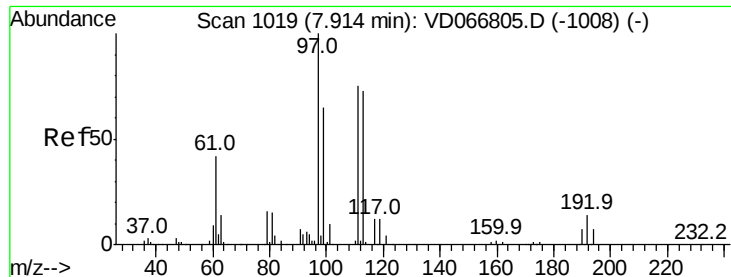
100000

50000

0

Time--> 8.75 8.80 8.85 8.90 8.95

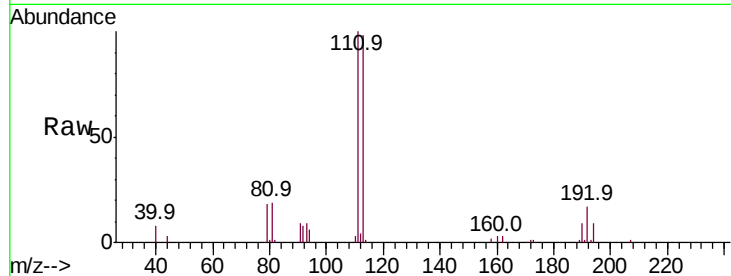




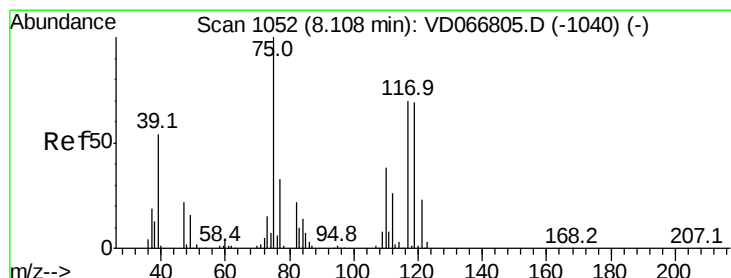
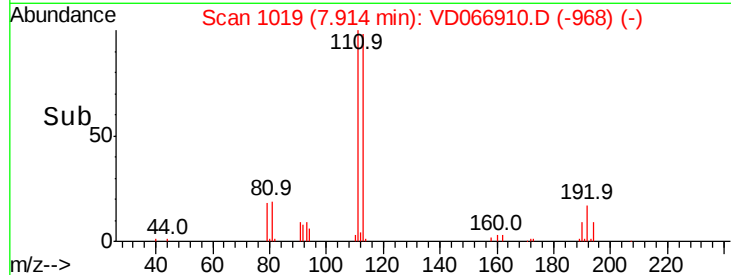
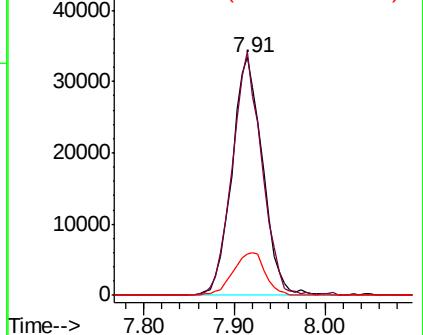
#35
 Dibromofluoromethane
 Concen: 60.896 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066910.D
 Acq: 28 Sep 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-COMP-2

Tot Ion:113 Resp: 78676
 Ion Ratio Lower Upper
 113 100
 111 98.7 81.8 122.8
 192 18.7 14.4 21.6

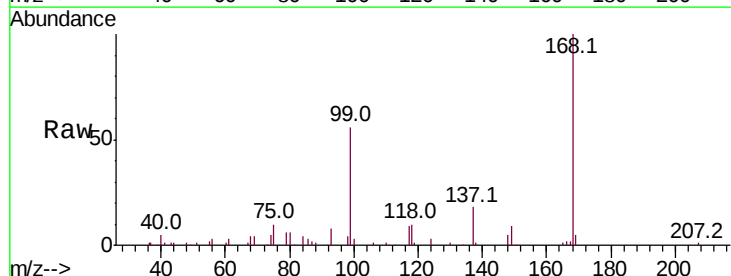


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

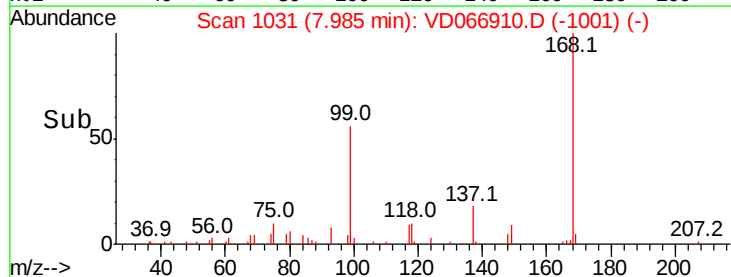
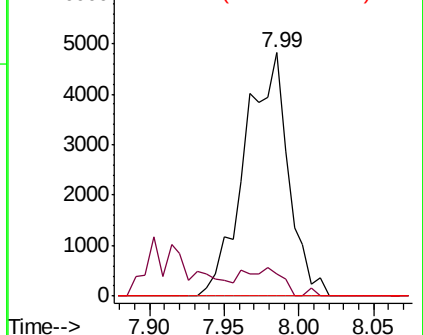


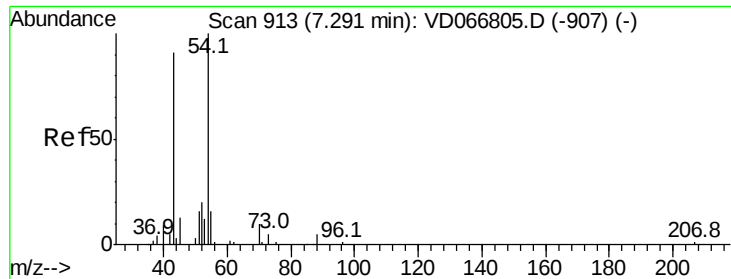
#36
 1,1-Dichloropropene
 Concen: 4.833 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD066910.D
 Acq: 28 Sep 2020 13:47

Tgt Ion: 75 Resp: 9737
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.9 53.8#
 77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC

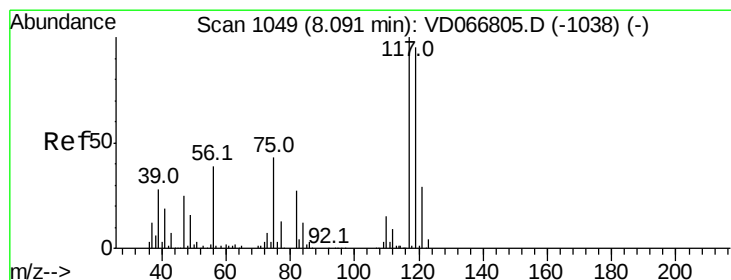
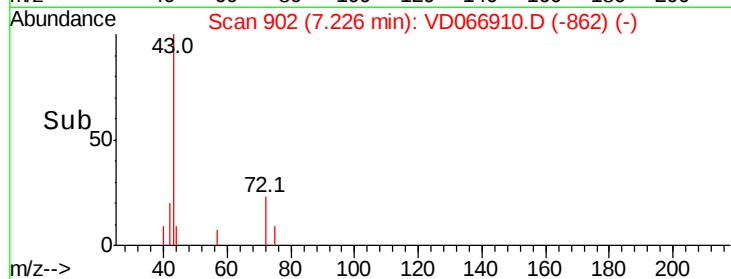
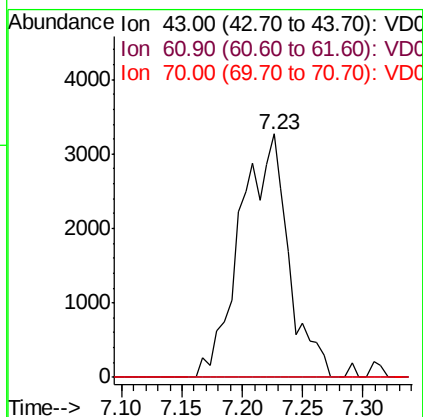
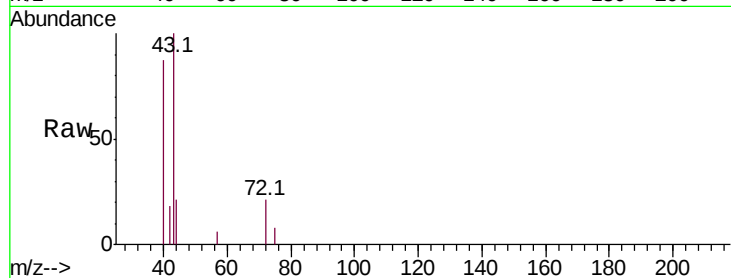




#37
Ethyl Acetate
Concen: 12.465 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.06 min
Lab File: VD066910.D
Acq: 28 Sep 2020 13:47

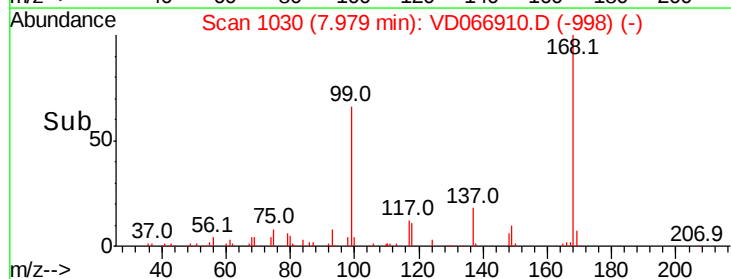
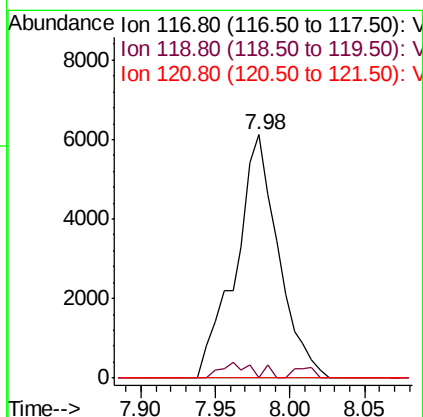
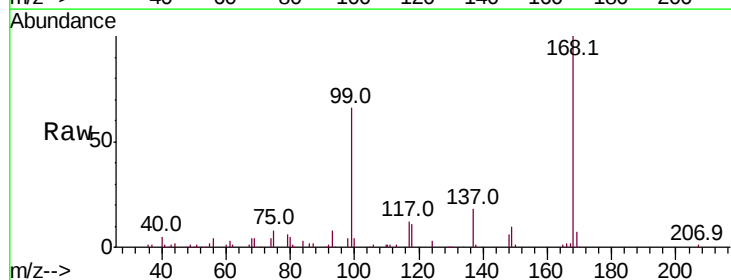
Instrument :
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DRUM-COMP-2

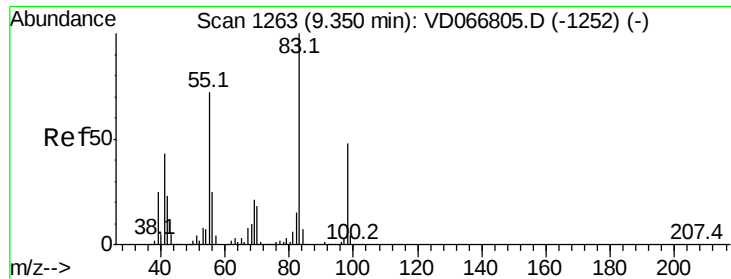
Tot Ion: 43 Resp: 9079
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 5.508 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066910.D
Acq: 28 Sep 2020 13:47

Tgt Ion: 117 Resp: 12132
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 23.4 35.0#

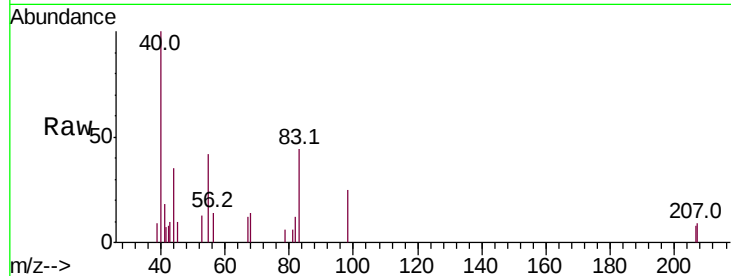




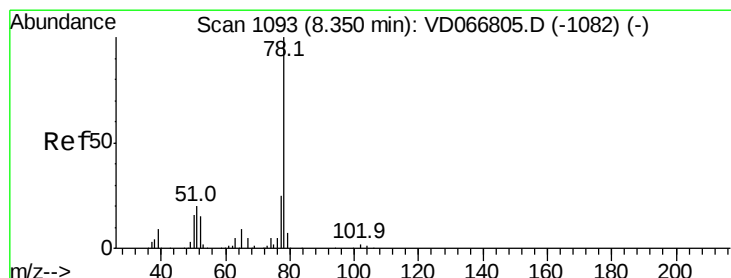
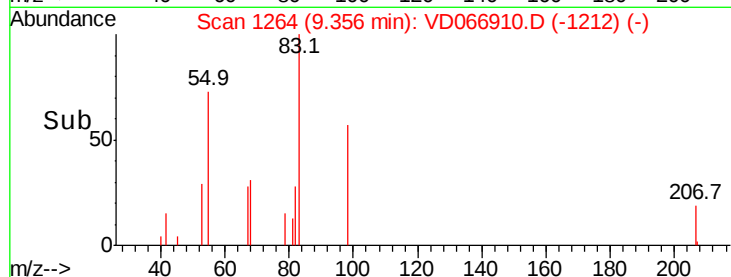
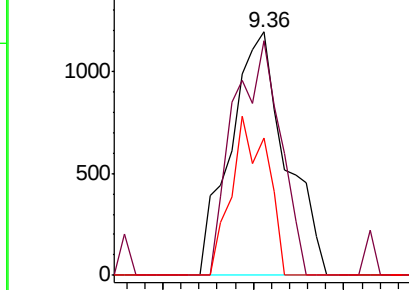
#39
Methvlcvclohexane
Concen: 1.097 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066910.D
Acq: 28 Sep 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
DRUM-COMP-2

Tot Ion: 83 Resp: 2538
Ion Ratio Lower Upper
83 100
55 96.2 57.7 86.5#
98 56.5 38.4 57.6

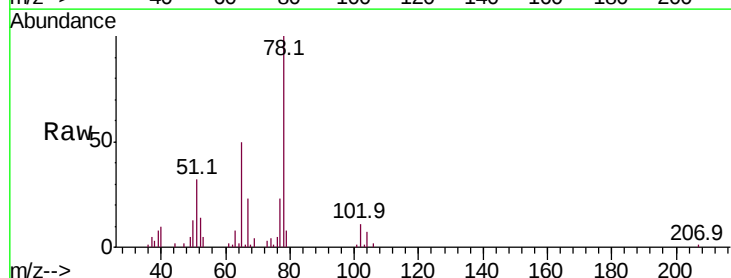


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

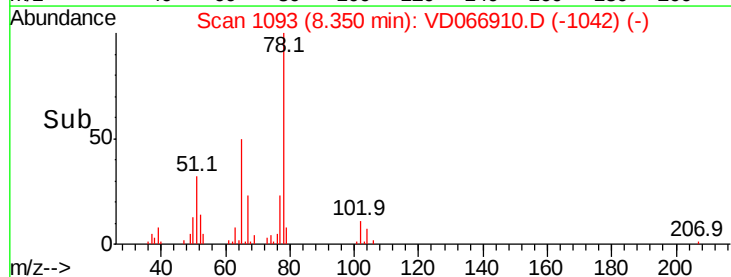
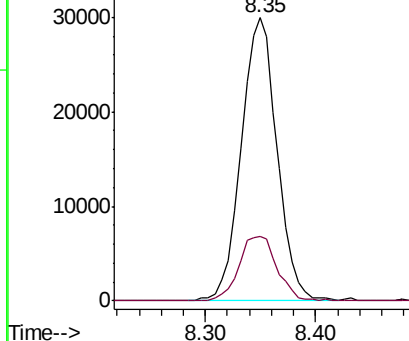


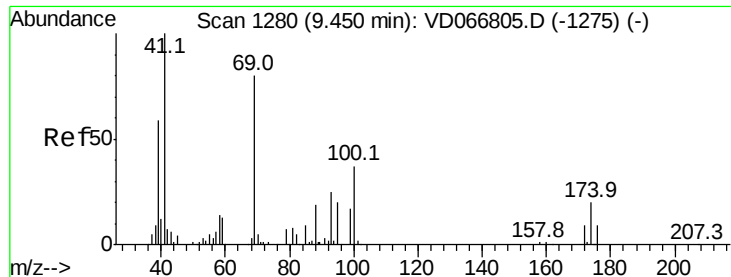
#40
Benzene
Concen: 12.101 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066910.D
Acq: 28 Sep 2020 13:47

Tgt Ion: 78 Resp: 67947
Ion Ratio Lower Upper
78 100
77 22.9 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#48

Methyl methacrylate

Concen: 2.314 ug/l

RT: 9.42 min Scan# 1275

Delta R.T. -0.03 min

Lab File: VD066910.D

Acq: 28 Sep 2020 13:47

Instrument :

MSVOA_D

ClientSampleID :

DRUM-COMP-2

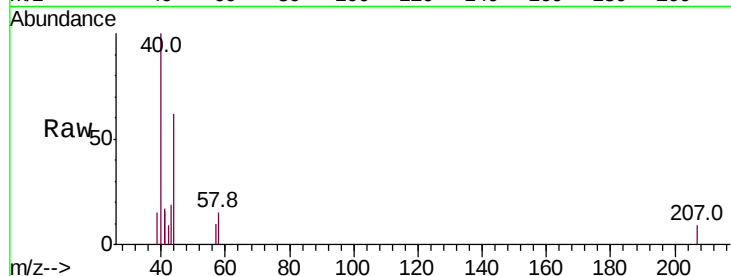
Tot Ion: 41 Resp: 1602

Ion Ratio Lower Upper

41 100

69 0.0 74.5 111.7#

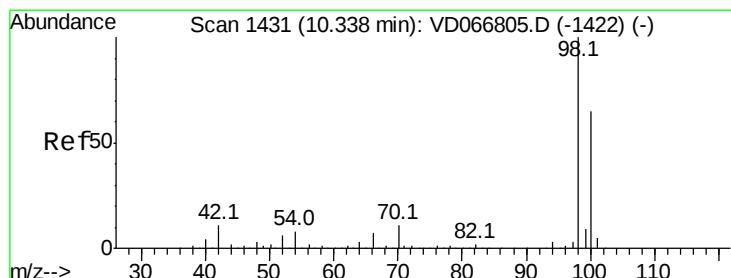
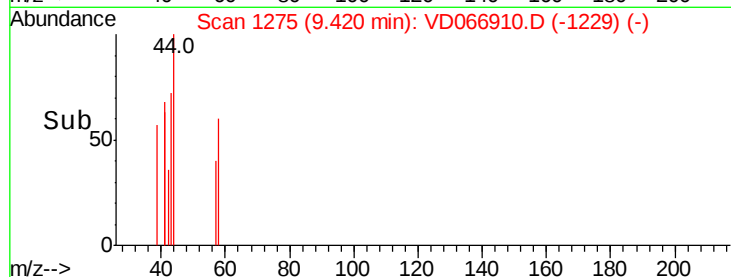
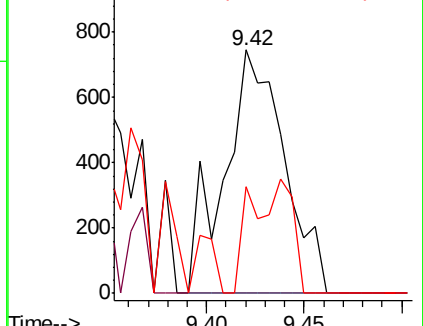
39 31.7 47.0 70.6#



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



#50

Toluene-d8

Concen: 56.742 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066910.D

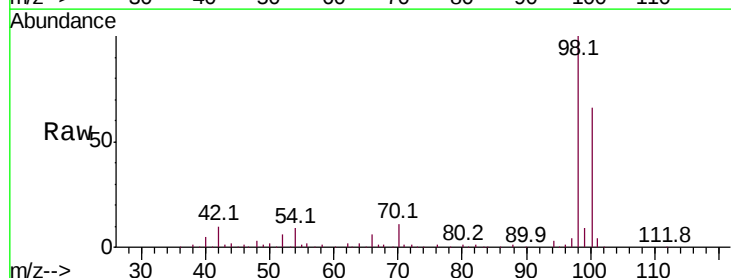
Acq: 28 Sep 2020 13:47

Tgt Ion: 98 Resp: 249780

Ion Ratio Lower Upper

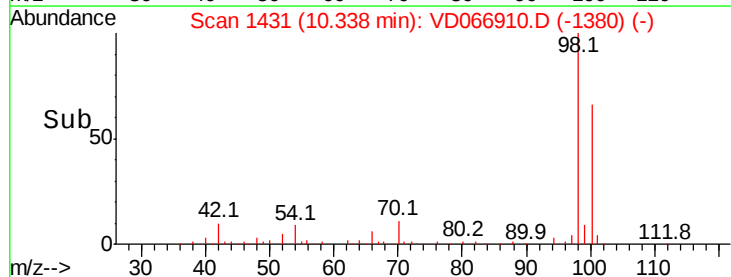
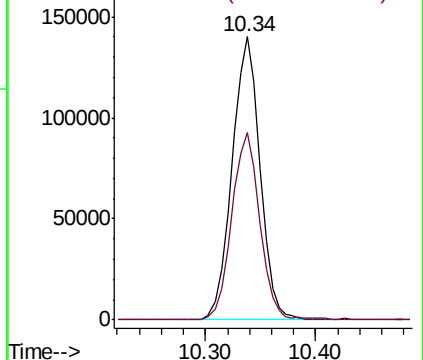
98 100

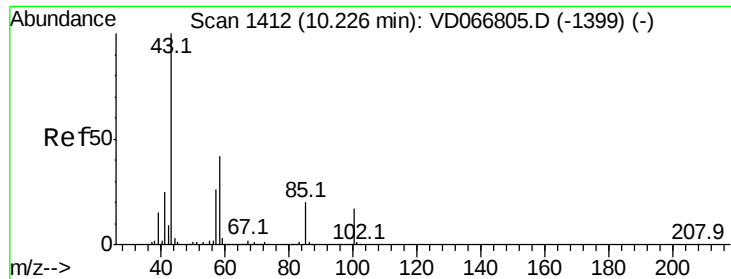
100 66.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 3.632 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD066910.D

Acq: 28 Sep 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

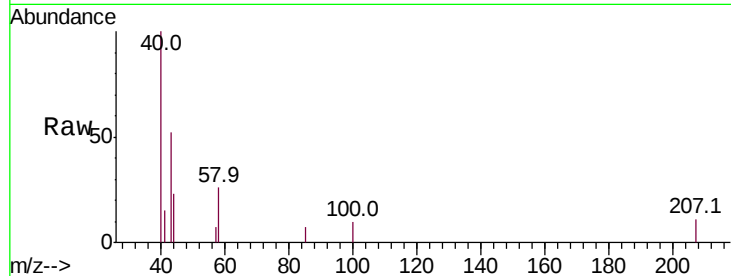
DRUM-COMP-2

Tot Ion: 43 Resp: 2584

Ion Ratio Lower Upper

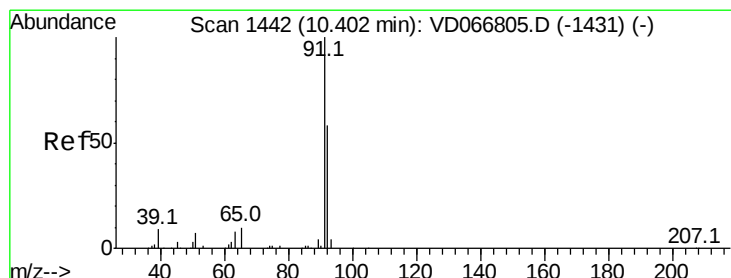
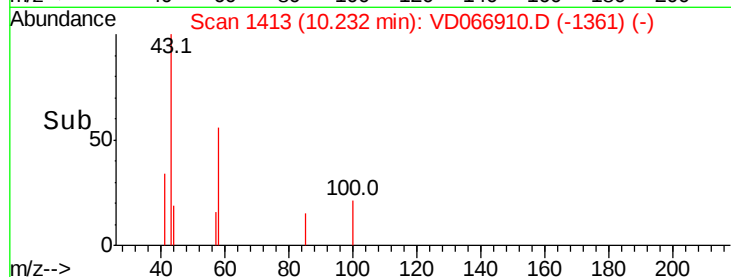
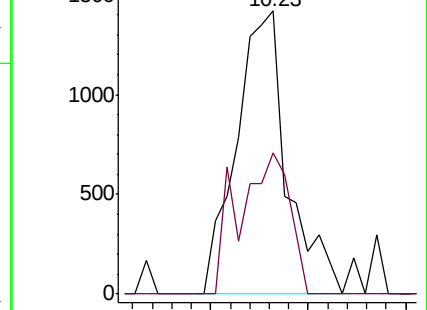
43 100

58 49.6 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 24.049 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066910.D

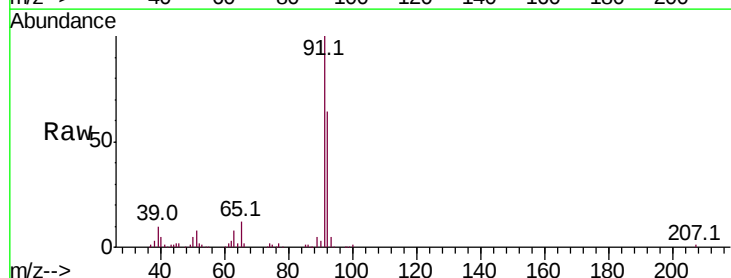
Acq: 28 Sep 2020 13:47

Tgt Ion: 92 Resp: 86980

Ion Ratio Lower Upper

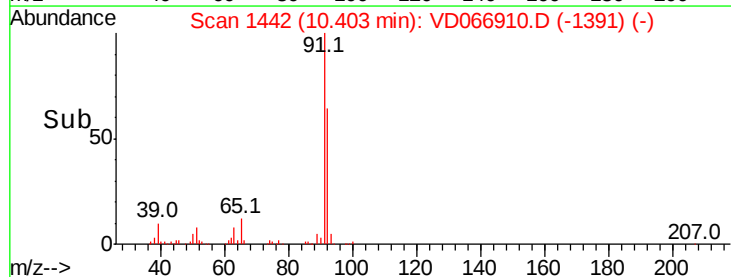
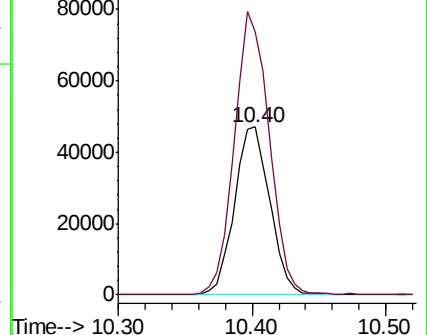
92 100

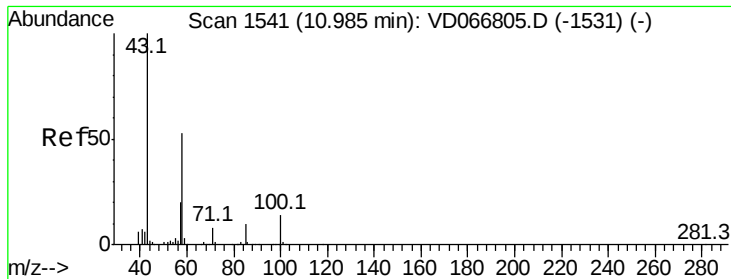
91 166.3 134.6 202.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#59

2-Hexanone

Concen: 2.634 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VD066910.D

Acq: 28 Sep 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

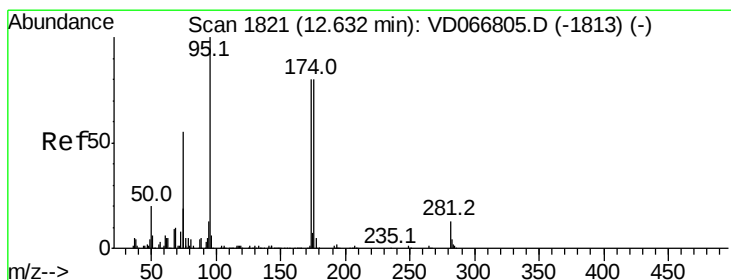
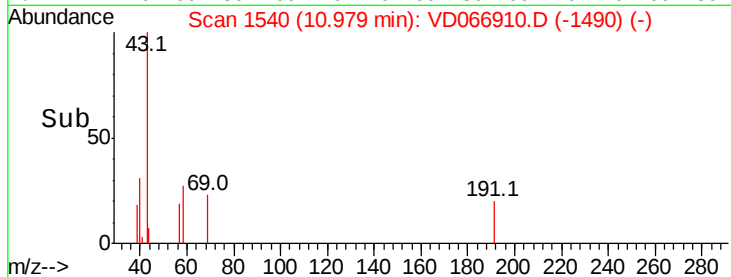
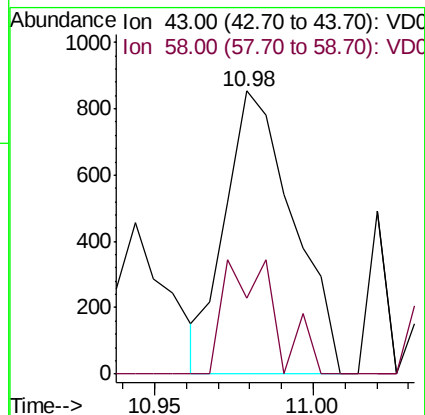
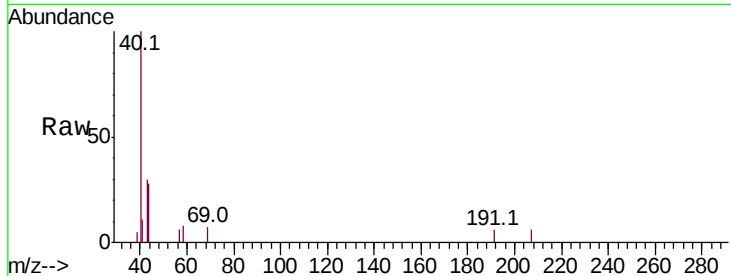
DRUM-COMP-2

Tot Ion: 43 Resp: 1264

Ion Ratio Lower Upper

43 100

58 30.8 27.0 80.8



#62

4-Bromofluorobenzene

Concen: 66.619 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066910.D

Acq: 28 Sep 2020 13:47

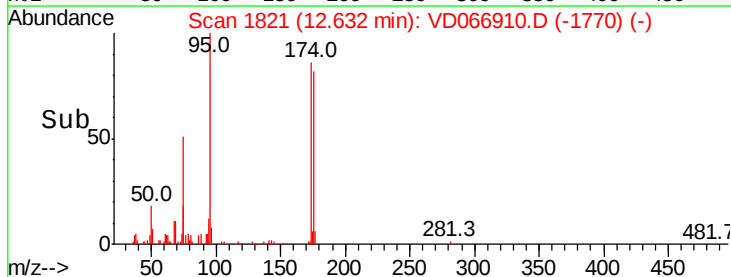
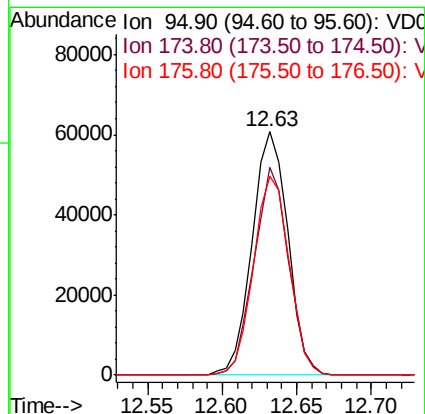
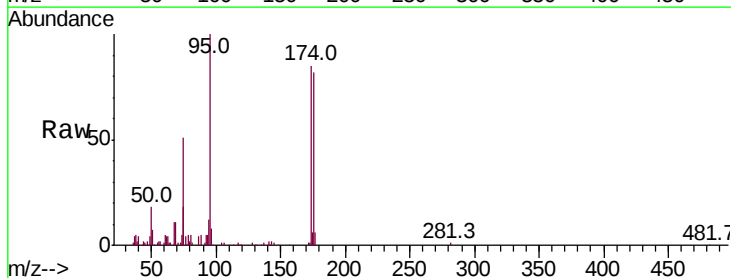
Tgt Ion: 95 Resp: 100392

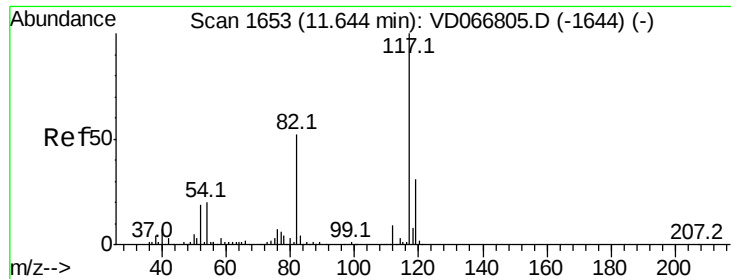
Ion Ratio Lower Upper

95 100

174 82.5 0.0 159.8

176 81.7 0.0 154.4

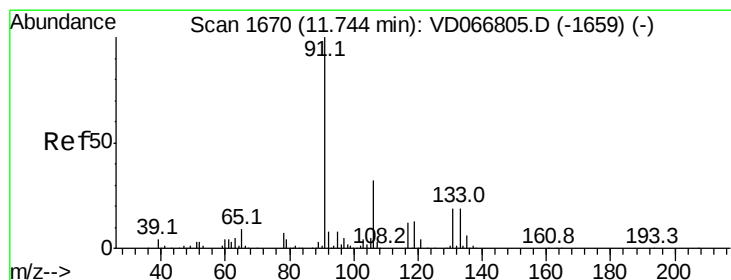
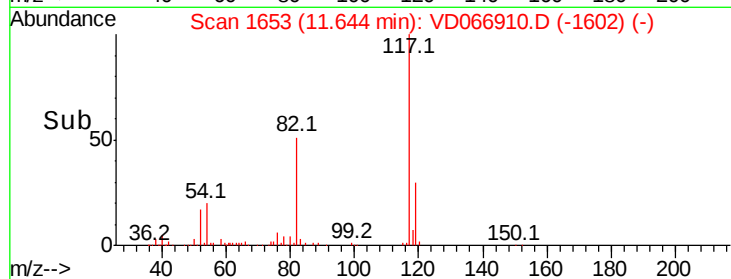
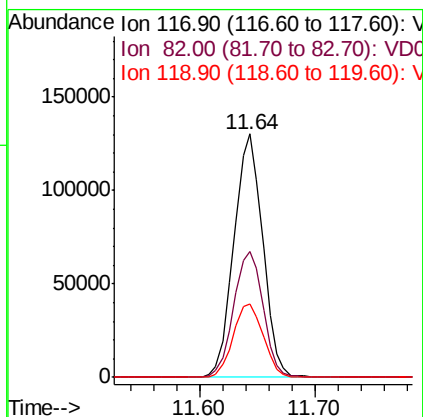
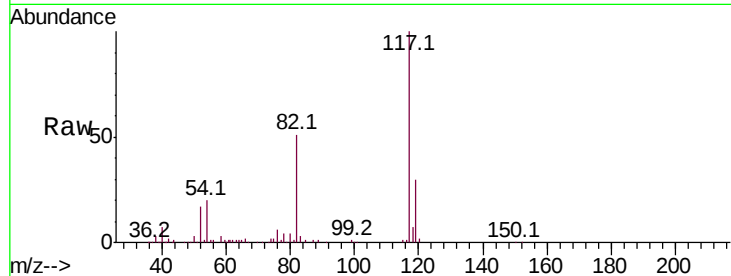




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066910.D
Acq: 28 Sep 2020 13:47

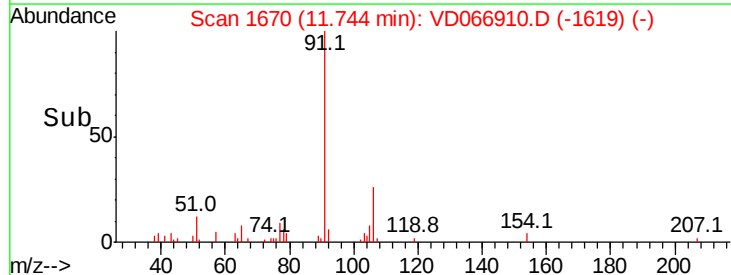
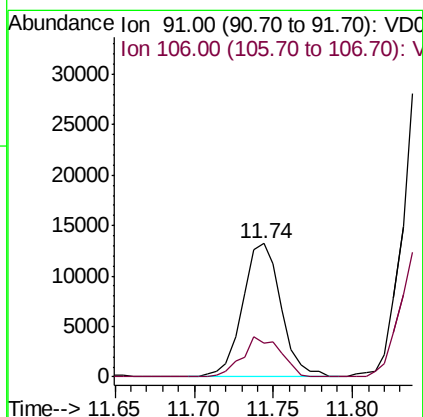
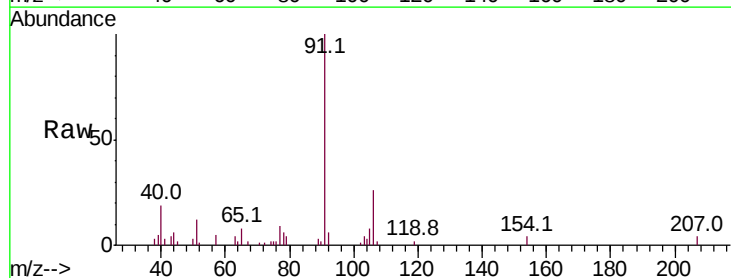
Instrument :
MSVOA_D
ClientSampleId :
DRUM-COMP-2

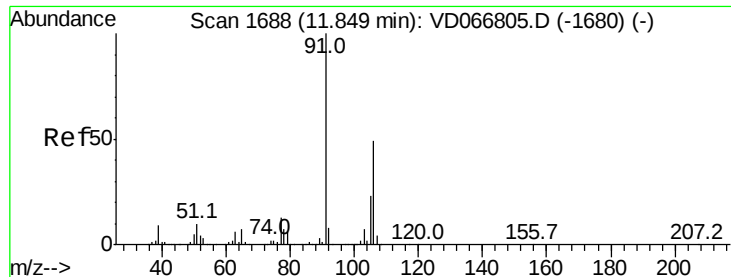
Tot Ion:117 Resp: 225252
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.6
119 30.4 24.6 37.0



#67
Ethyl Benzene
Concen: 2.717 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066910.D
Acq: 28 Sep 2020 13:47

Tgt Ion: 91 Resp: 22373
Ion Ratio Lower Upper
91 100
106 25.9 25.6 38.4

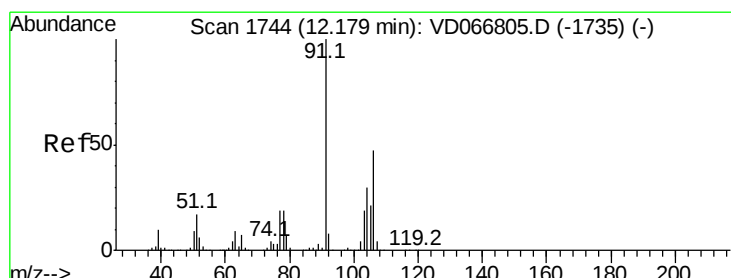
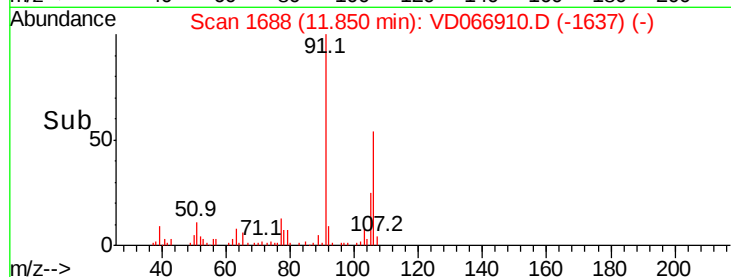
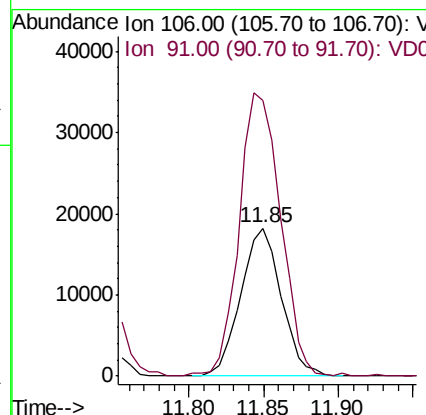
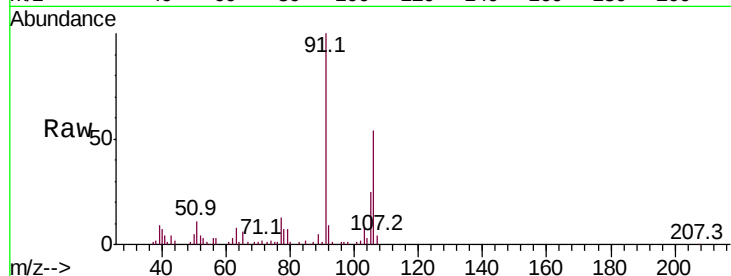




#68
m/p-Xylenes
Concen: 11.031 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066910.D
Acq: 28 Sep 2020 13:47

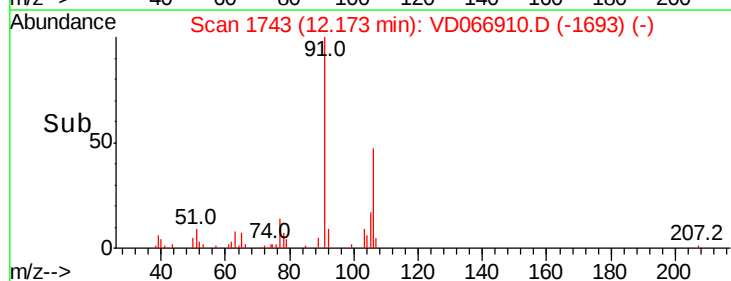
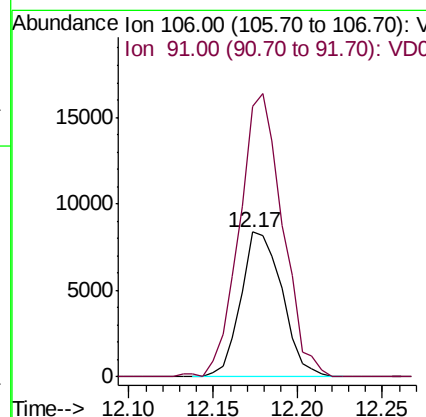
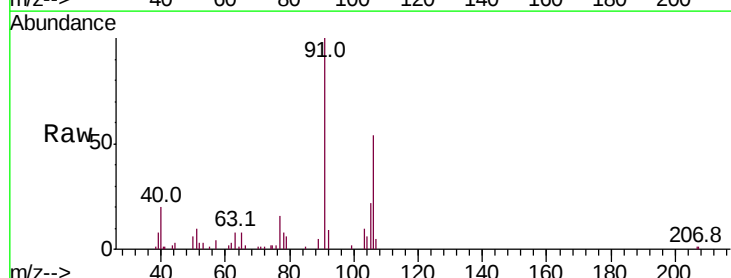
Instrument :
MSVOA_D
ClientSampleId :
DRUM-COMP-2

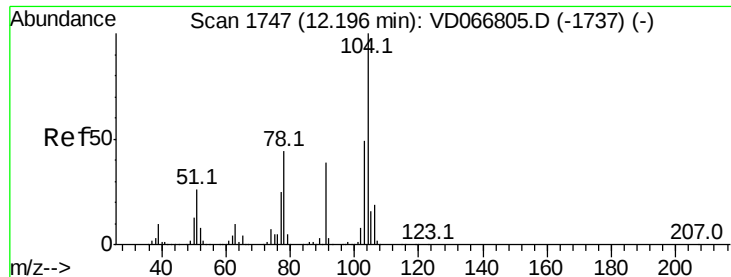
Tot Ion:106 Resp: 34394
Ion Ratio Lower Upper
106 100
91 195.3 160.7 241.1



#69
o-Xylene
Concen: 5.068 ug/l
RT: 12.17 min Scan# 1743
Delta R.T. -0.01 min
Lab File: VD066910.D
Acq: 28 Sep 2020 13:47

Tgt Ion:106 Resp: 14289
Ion Ratio Lower Upper
106 100
91 204.3 106.3 318.8

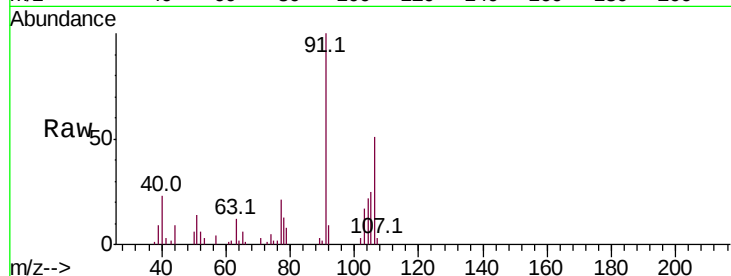




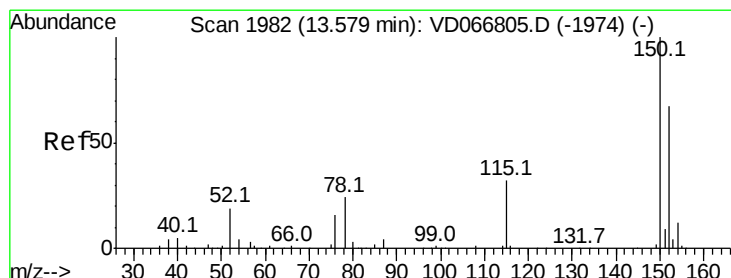
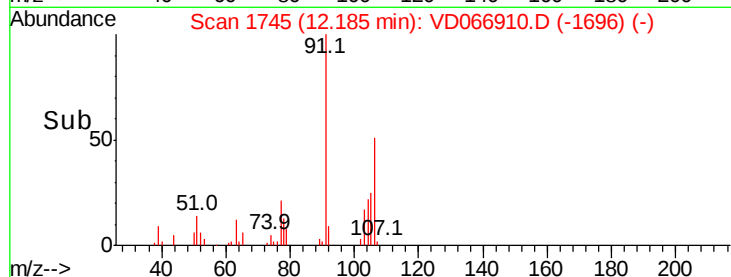
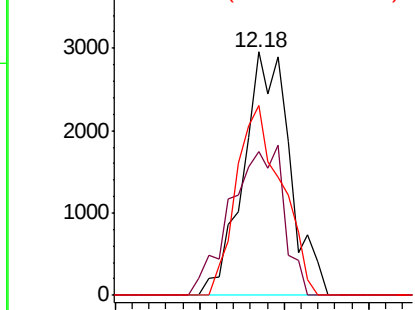
#70
Stvrene
Concen: 1.155 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD066910.D
Acq: 28 Sep 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
DRUM-COMP-2

Tot Ion:104 Resp: 5656
Ion Ratio Lower Upper
104 100
78 69.3 38.9 58.3#
103 76.2 43.2 64.8#

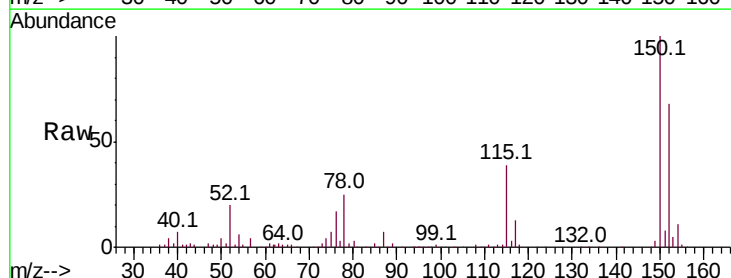


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

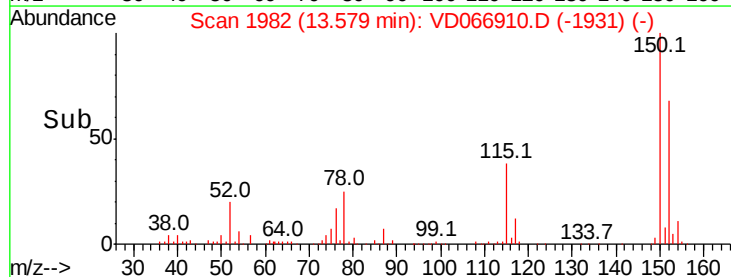
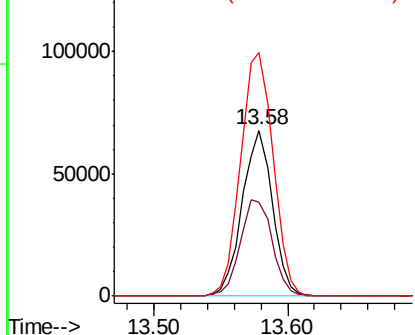


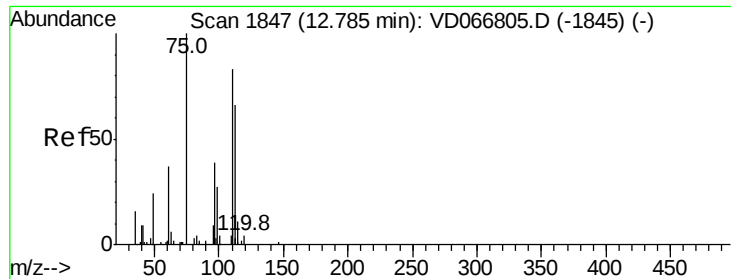
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066910.D
Acq: 28 Sep 2020 13:47

Tgt Ion:152 Resp: 105939
Ion Ratio Lower Upper
152 100
115 61.9 30.3 91.0
150 157.9 0.0 346.2



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

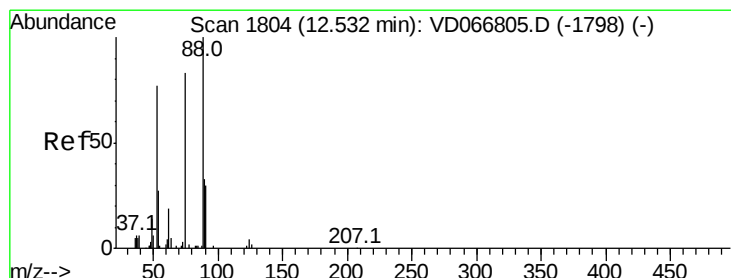
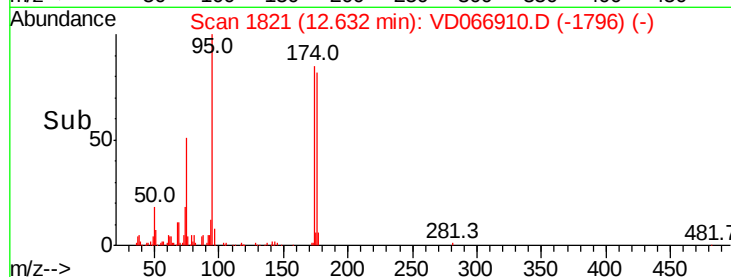
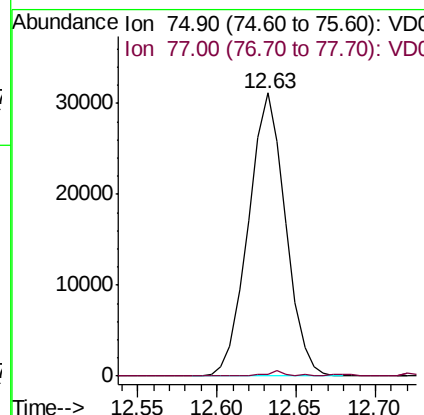
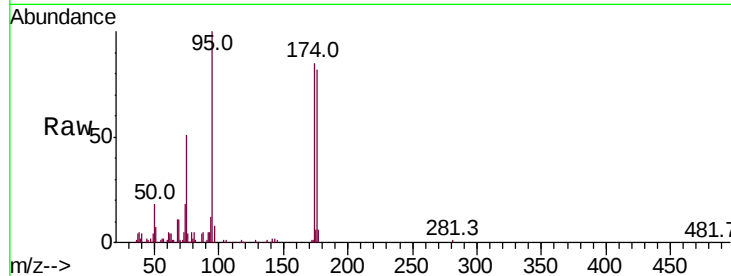




#76
 1,2,3-Trichloropropane
 Concen: 57.815 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066910.D
 Acq: 28 Sep 2020 13:47

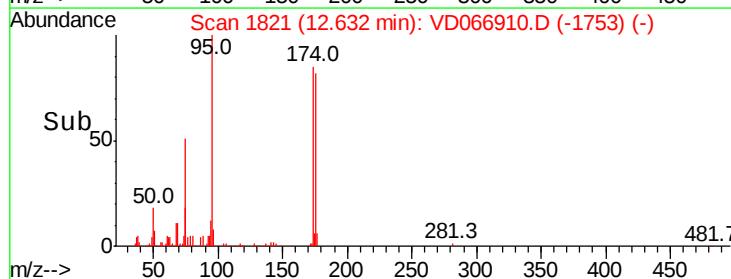
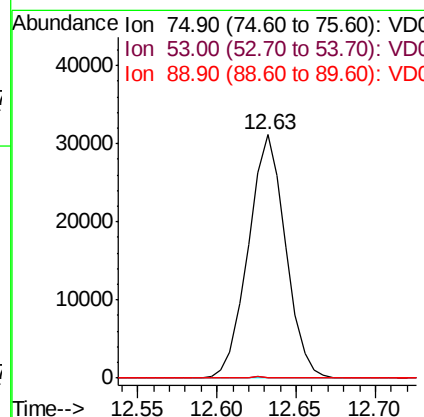
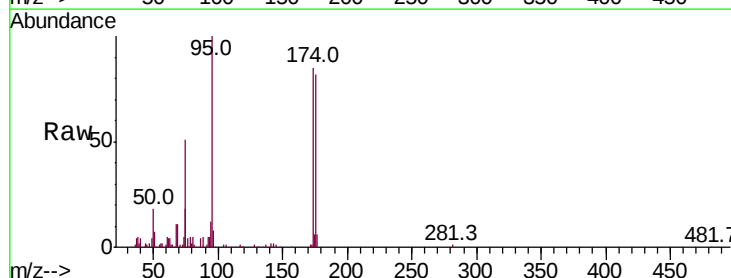
Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-COMP-2

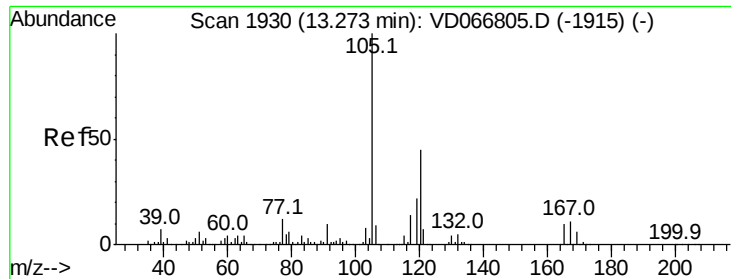
Tot Ion: 75 Resp: 50758
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.648 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066910.D
 Acq: 28 Sep 2020 13:47

Tgt Ion: 75 Resp: 50758
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.2 38.1 57.1#

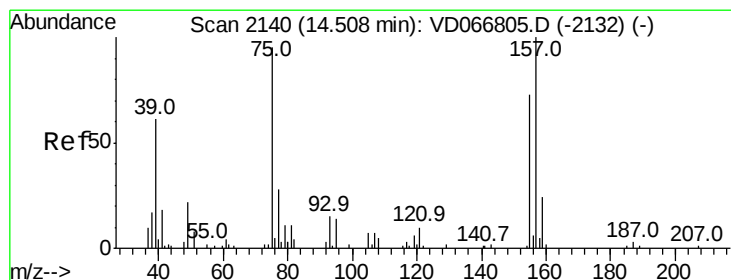
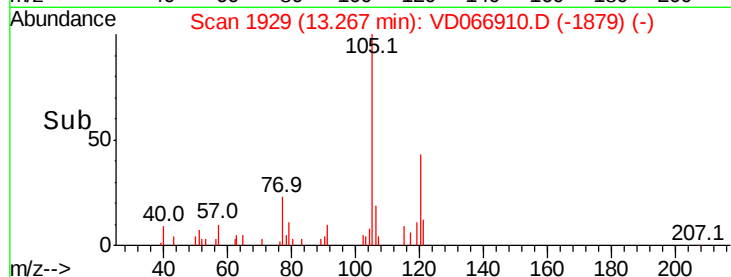
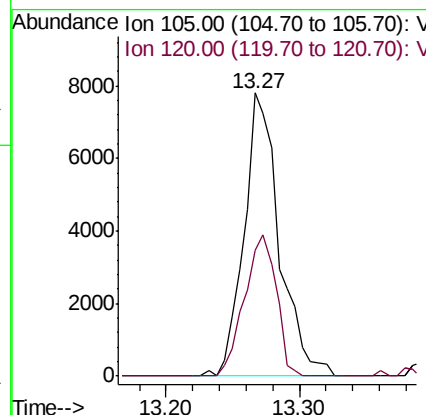
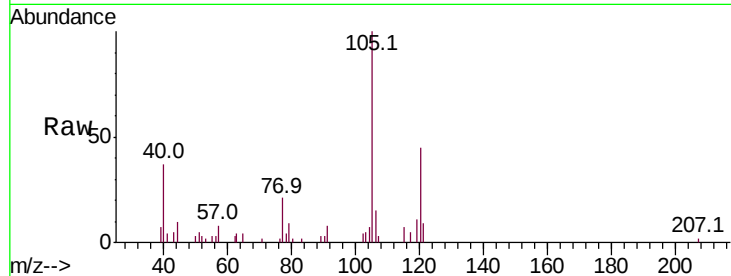




#84
 1,2,4-Trimethylbenzene
 Concen: 2.207 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066910.D
 Acq: 28 Sep 2020 13:47

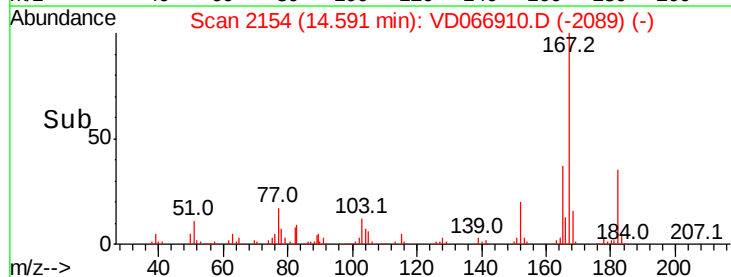
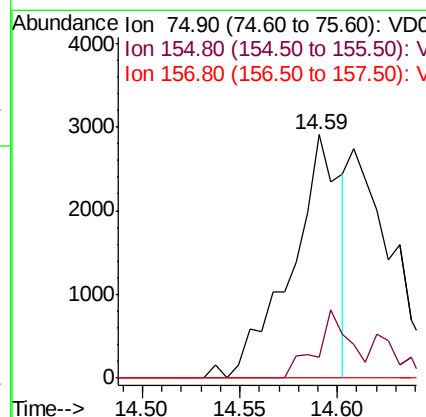
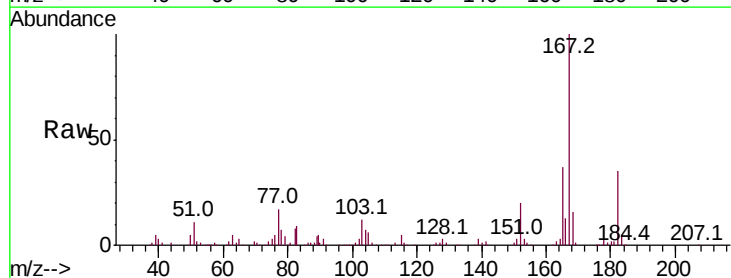
Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-COMP-2

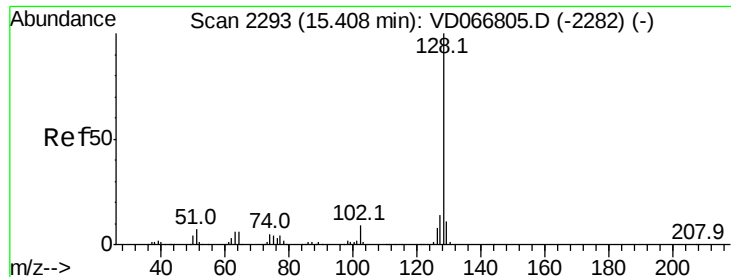
Tot Ion:105 Resp: 14211
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.3 66.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.196 ug/l
 RT: 14.59 min Scan# 2154
 Delta R.T. 0.08 min
 Lab File: VD066910.D
 Acq: 28 Sep 2020 13:47

Tgt Ion: 75 Resp: 5140
 Ion Ratio Lower Upper
 75 100
 155 18.7 40.4 121.2#
 157 0.0 51.3 153.9#





#95

Naphthalene

Concen: 30.046 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066910.D

Acq: 28 Sep 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

DRUM-COMP-2

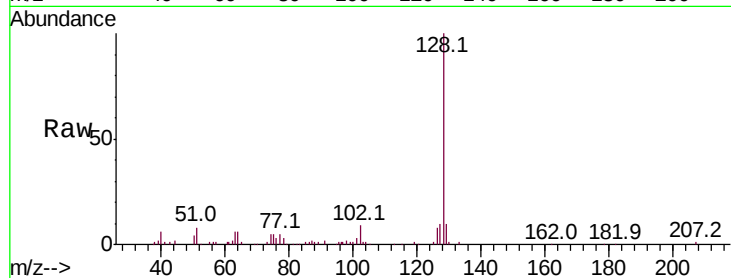
Tot Ion:128 Resp: 97149

Ion Ratio Lower Upper

128 100

127 13.9 10.6 16.0

129 11.4 8.9 13.3



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

