

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066960.D
 Acq On : 30 Sep 2020 02:23
 Operator : VA/SY
 Sample : L4179-07
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(0-1)

Quant Time: Sep 30 04:24:02 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

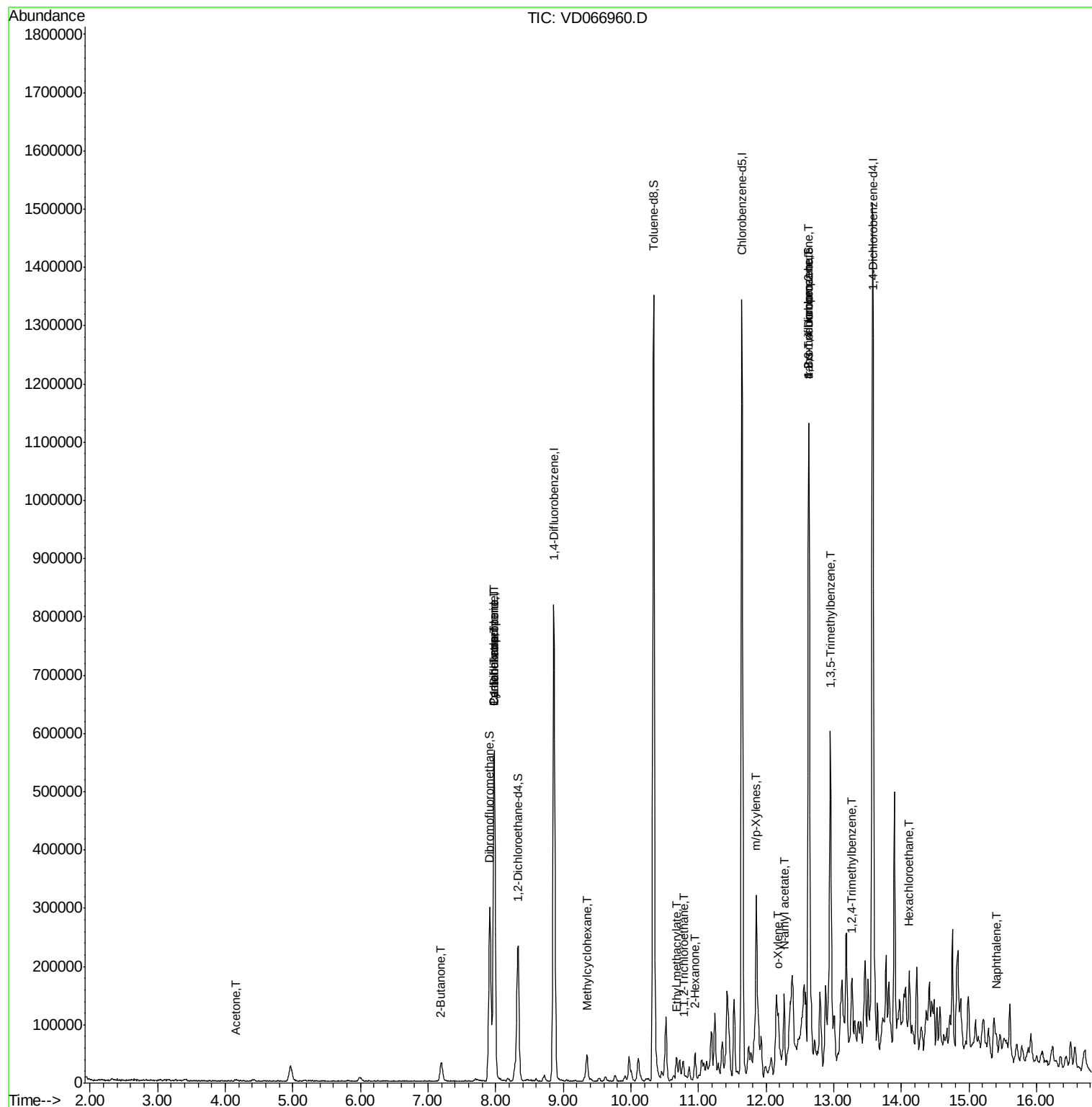
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	422265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	712959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	780563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	382436	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	190102	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	7.92	113	215696	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
50) Toluene-d8	10.34	98	886638	57.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.74%	
62) 4-Bromofluorobenzene	12.63	95	359330	67.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	686	Below Cal	#	58
11) Tert butyl alcohol	5.20	59	613	Below Cal	#	72
16) Acetone	4.16	43	3720	4.243 ug/l	#	83
18) Methyl Acetate	4.68	43	72	Below Cal	#	50
20) Methylene Chloride	4.96	84	20367	Below Cal		91
25) 2-Butanone	7.18	43	1205	1.144 ug/l	#	46
31) Cyclohexane	7.98	56	10195	1.357 ug/l	#	17
36) 1,1-Dichloropropene	7.98	75	33502	4.737 ug/l	#	50
38) Carbon Tetrachloride	7.97	117	43688	5.650 ug/l	#	19
39) Methylcyclohexane	9.35	83	17166	2.114 ug/l		97
55) 1,1,2-Trichloroethane	10.77	97	12647	3.414 ug/l	#	20
56) Ethyl methacrylate	10.67	69	4177	1.053 ug/l	#	2
59) 2-Hexanone	10.95	43	16760	9.949 ug/l	#	29
68) m/p-Xylenes	11.85	106	16902	1.564 ug/l		97
69) o-Xylene	12.18	106	16801	1.720 ug/l		99
74) N-amyl acetate	12.27	43	27038	5.012 ug/l	#	71
76) 1,2,3-Trichloropropane	12.63	75	182505	57.585 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.96	105	69548	2.967 ug/l		98
81) trans-1,4-Dichloro-2-buten	12.63	75	182505	144.072 ug/l	#	10
84) 1,2,4-Trimethylbenzene	13.27	105	68560	2.949 ug/l		99
90) Hexachloroethane	14.11	117	6157	1.215 ug/l	#	16
95) Naphthalene	15.41	128	32586	2.792 ug/l	#	90

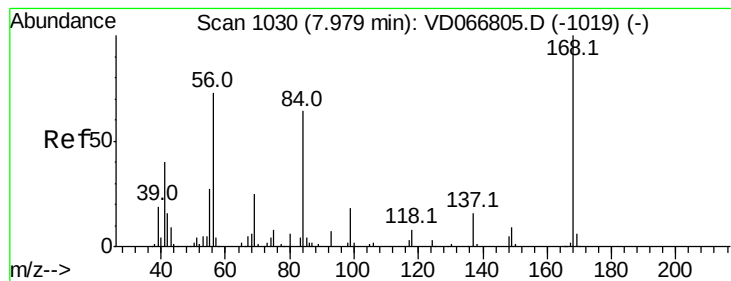
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066960.D

Acq: 30 Sep 2020 02:23

Instrument :

MSVOA_D

ClientSampleId :

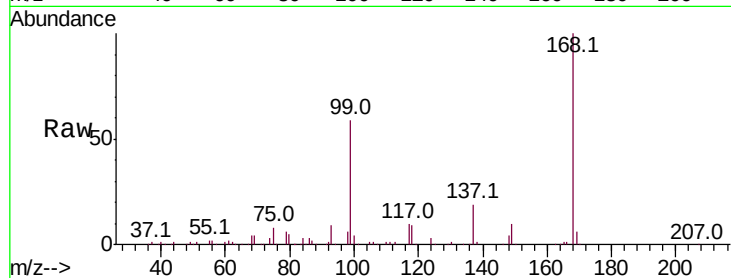
B-11(0-1)

Tot Ion:168 Resp: 422265

Ion Ratio Lower Upper

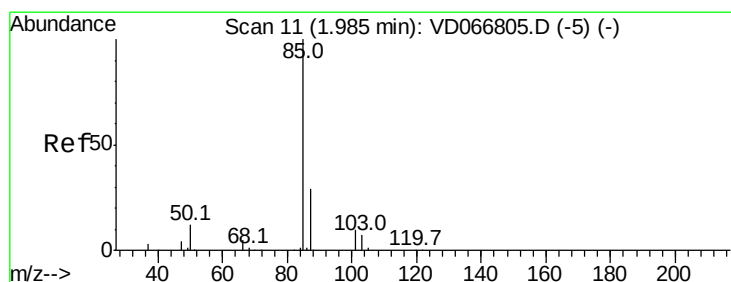
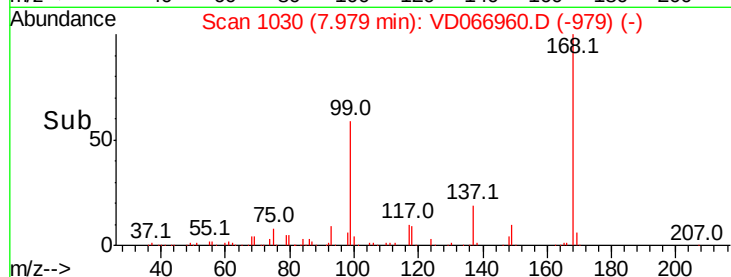
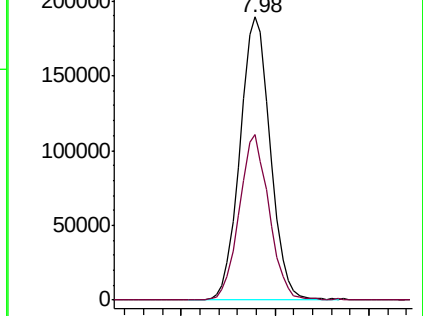
168 100

99 58.6 46.6 69.8



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# 11

Delta R.T. 0.00 min

Lab File: VD066960.D

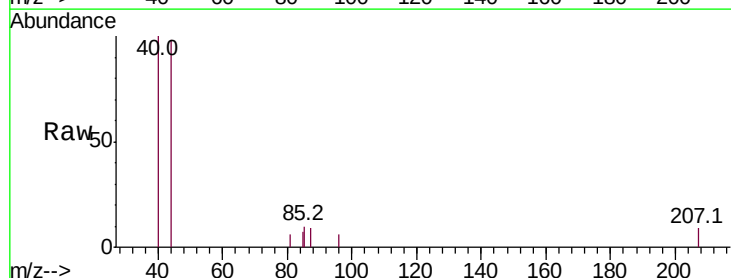
Acq: 30 Sep 2020 02:23

Tgt Ion: 85 Resp: 686

Ion Ratio Lower Upper

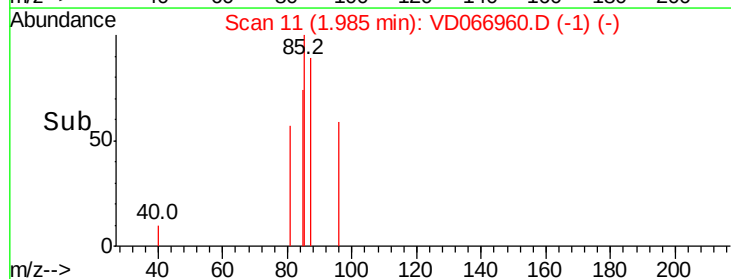
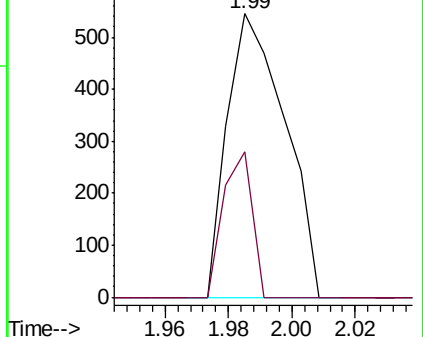
85 100

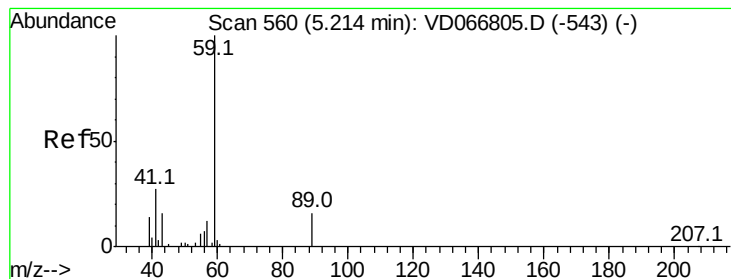
87 51.4 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



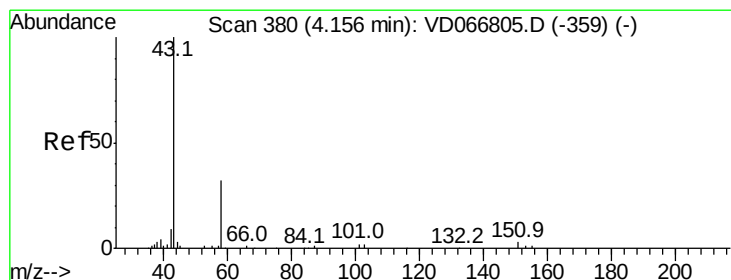
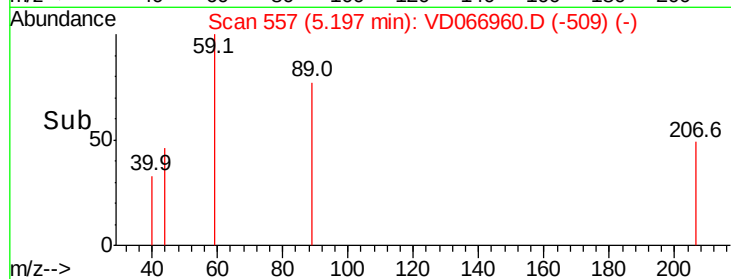
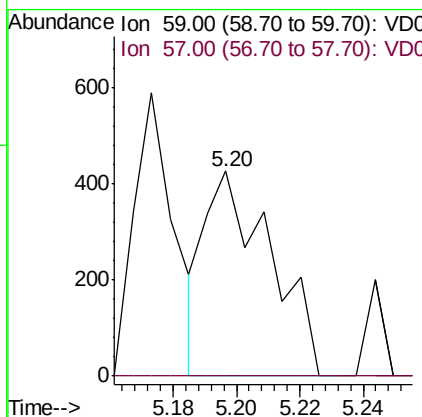
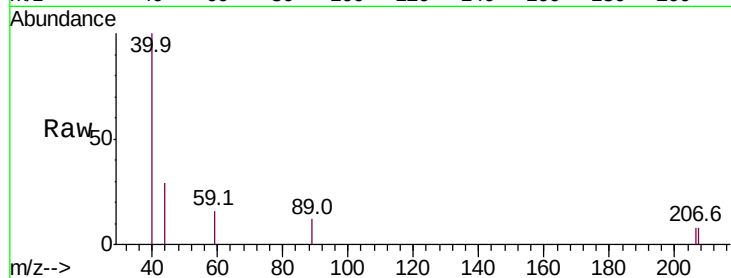


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD066960.D
 Acq: 30 Sep 2020 02:23

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(0-1)

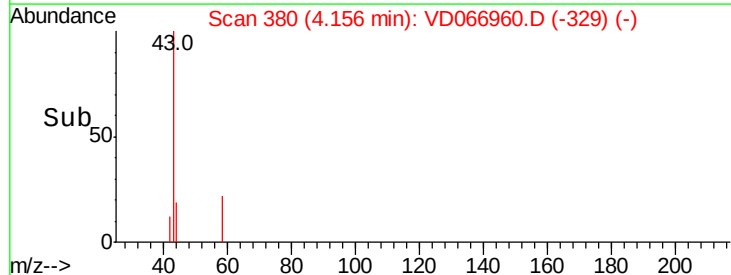
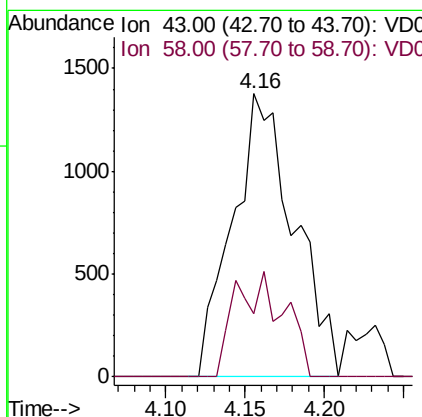
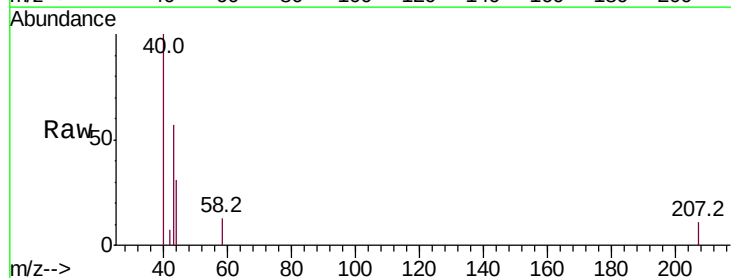
Tot Ion: 59 Resp: 613
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

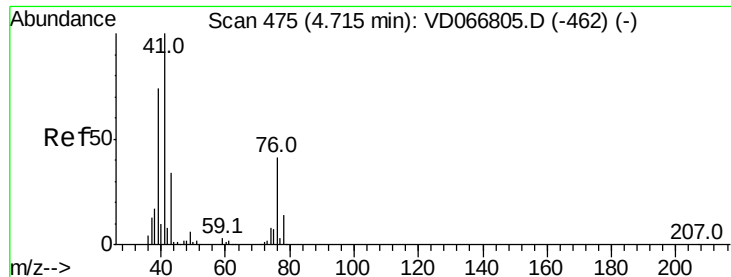


#16

Acetone
 Concen: 4.243 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066960.D
 Acq: 30 Sep 2020 02:23

Tgt Ion: 43 Resp: 3720
 Ion Ratio Lower Upper
 43 100
 58 22.4 25.6 38.4#

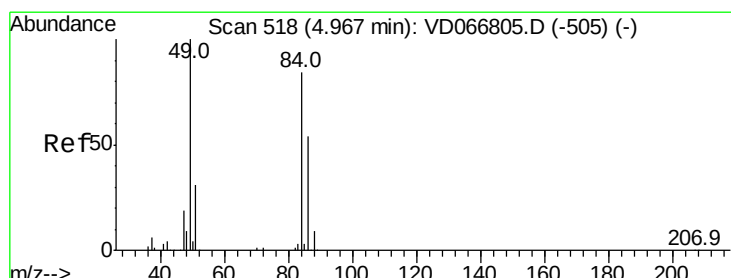
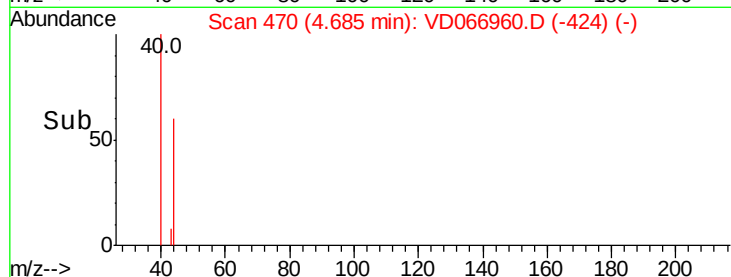
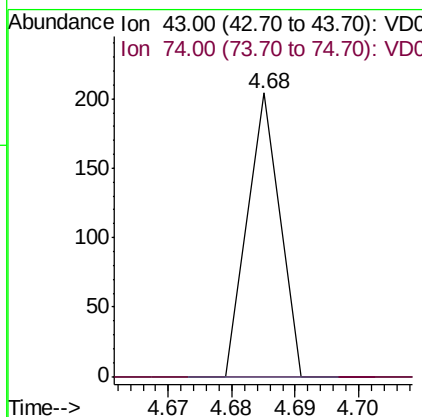
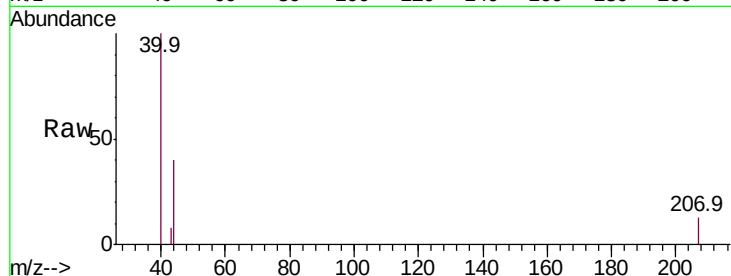




#18
Methyl Acetate
Concen: Below Cal
RT: 4.68 min Scan# 470
Delta R.T. -0.03 min
Lab File: VD066960.D
Acq: 30 Sep 2020 02:23

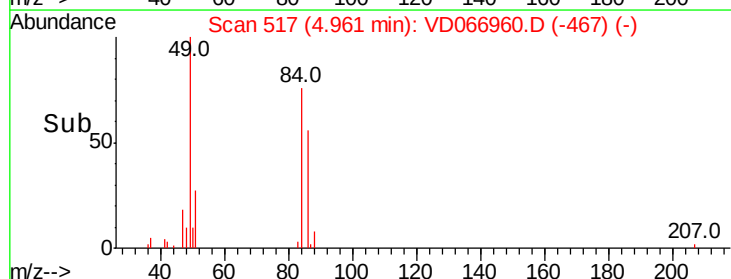
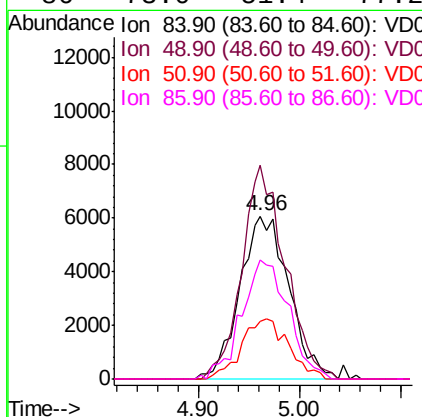
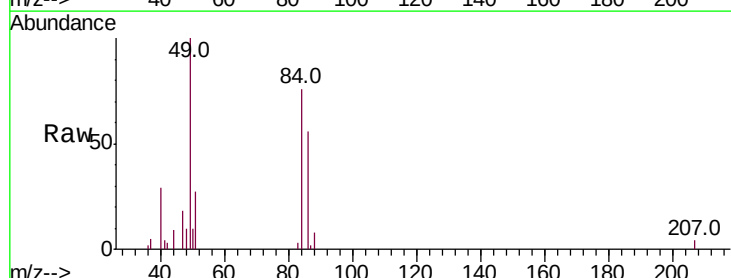
Instrument :
MSVOA_D
ClientSampleId :
B-11(0-1)

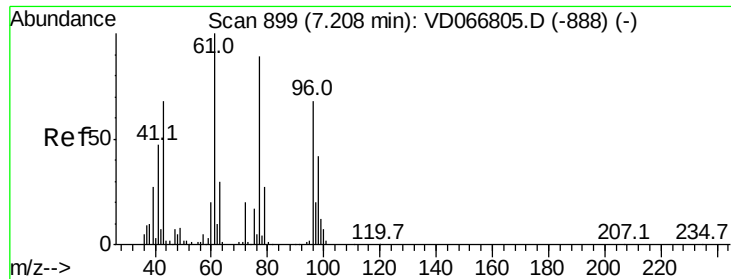
Tot Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066960.D
Acq: 30 Sep 2020 02:23

Tgt Ion: 84 Resp: 20367
Ion Ratio Lower Upper
84 100
49 130.9 95.4 143.2
51 35.4 29.7 44.5
86 73.0 51.4 77.2

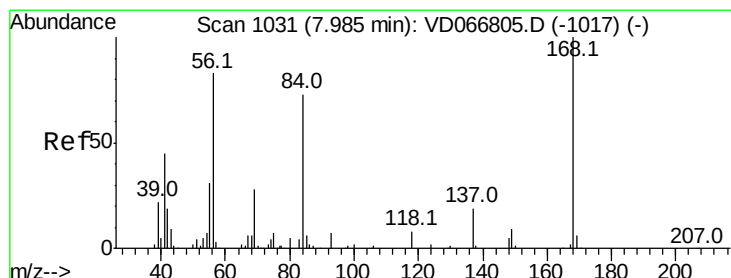
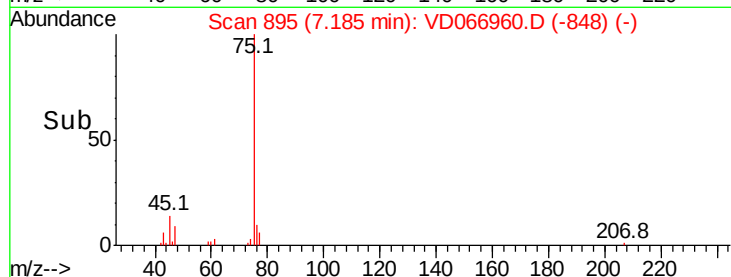
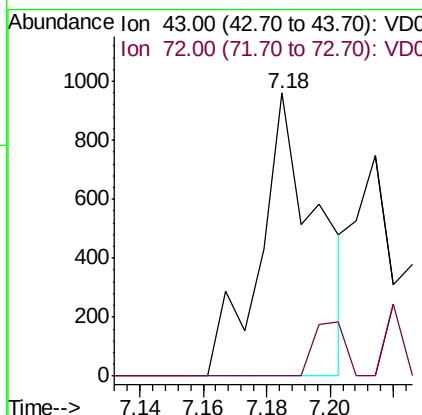
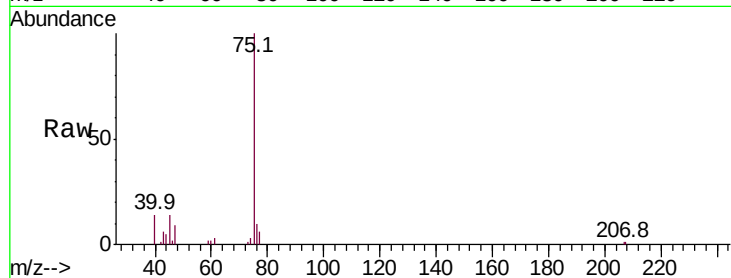




#25
2-Butanone
Concen: 1.144 ug/l
RT: 7.18 min Scan# 895
Delta R.T. -0.02 min
Lab File: VD066960.D
Acq: 30 Sep 2020 02:23

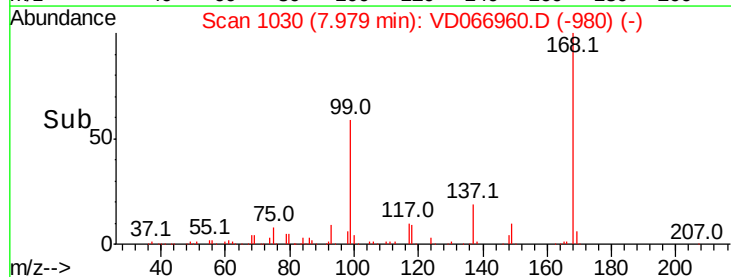
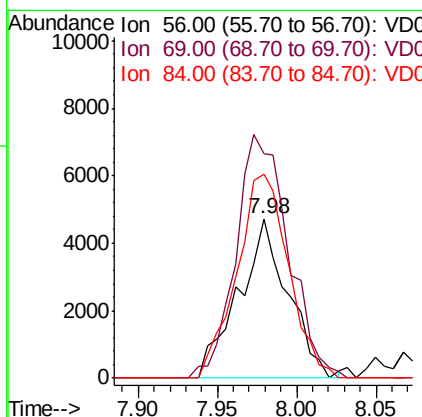
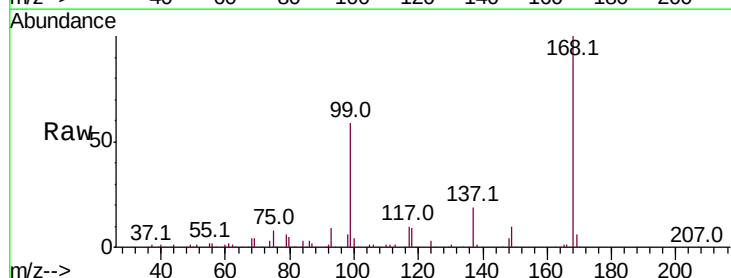
Instrument :
MSVOA_D
ClientSampleId :
B-11(0-1)

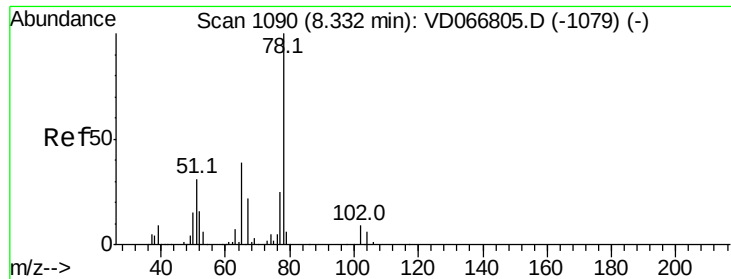
Tot Ion: 43 Resp: 1205
Ion Ratio Lower Upper
43 100
72 0.0 22.9 34.3#



#31
Cyclohexane
Concen: 1.357 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066960.D
Acq: 30 Sep 2020 02:23

Tgt Ion: 56 Resp: 10195
Ion Ratio Lower Upper
56 100
69 140.8 27.0 40.4#
84 127.7 70.2 105.4#

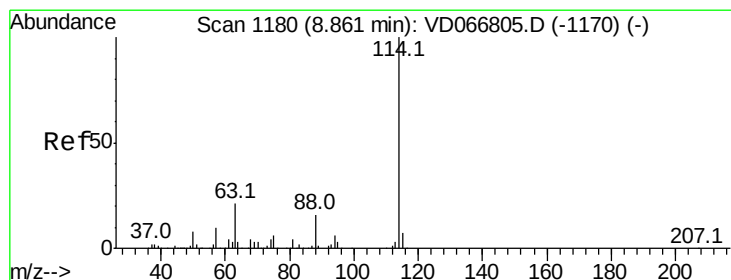
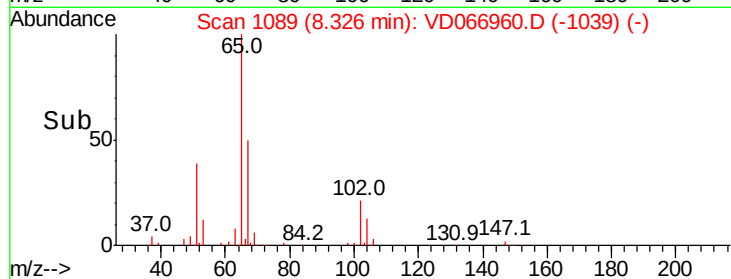
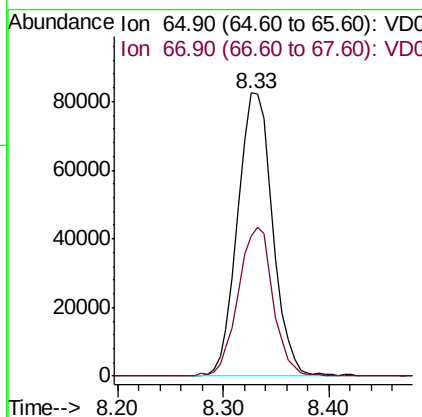
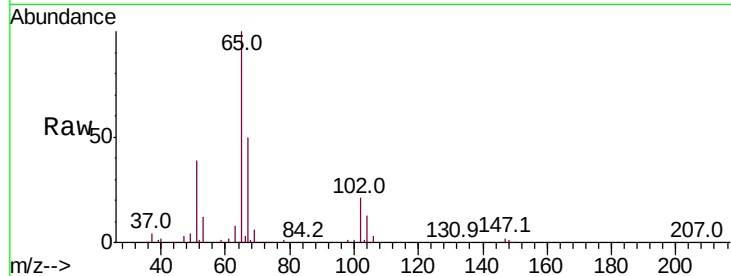




#33
 1,2-Dichloroethane-d4
 Concen: 45.997 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066960.D
 Acq: 30 Sep 2020 02:23

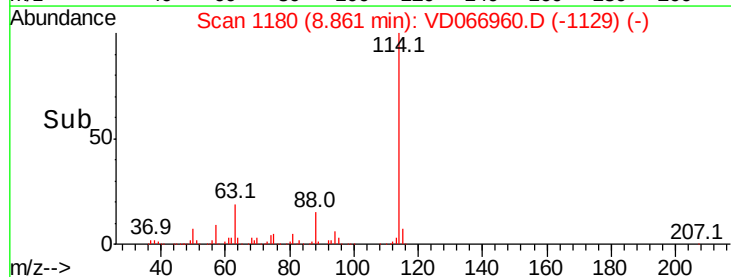
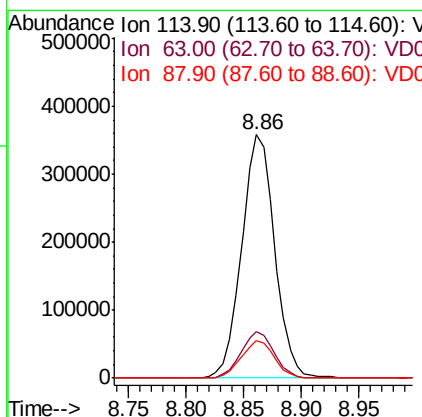
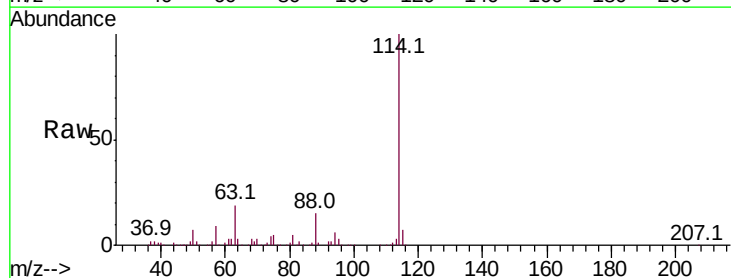
Instrument :
 MSVOA_D
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 B-11(0-1)

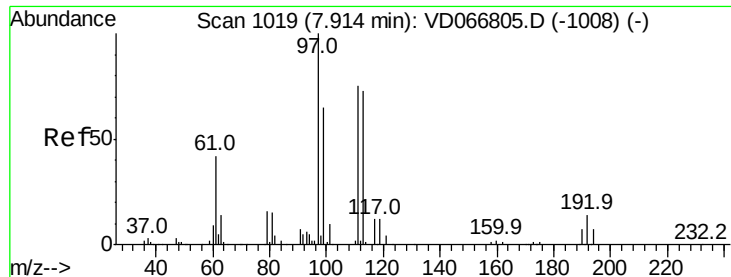
Tot Ion: 65 Resp: 190102
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066960.D
 Acq: 30 Sep 2020 02:23

Tgt Ion: 114 Resp: 712959
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 42.6
 88 15.3 0.0 32.6

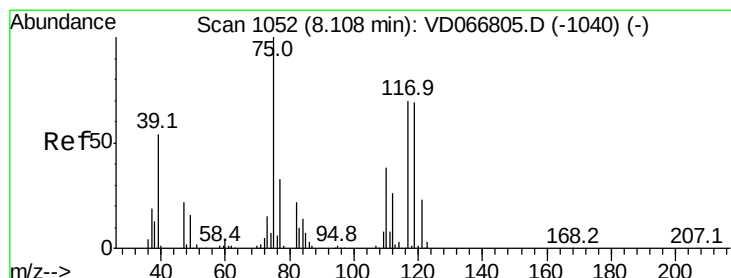
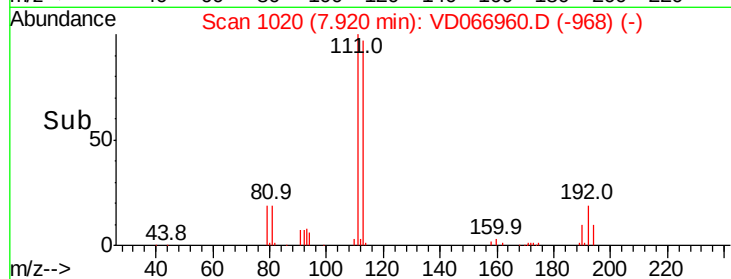
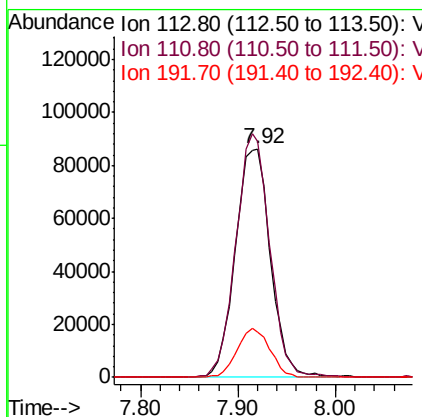
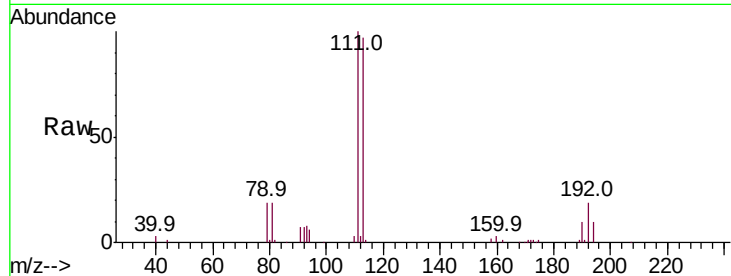




#35
 Dibromofluoromethane
 Concen: 47.554 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD066960.D
 Acq: 30 Sep 2020 02:23

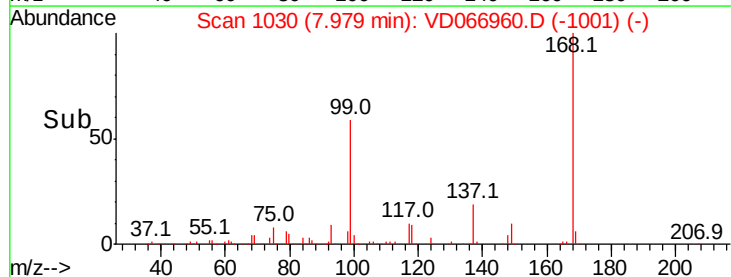
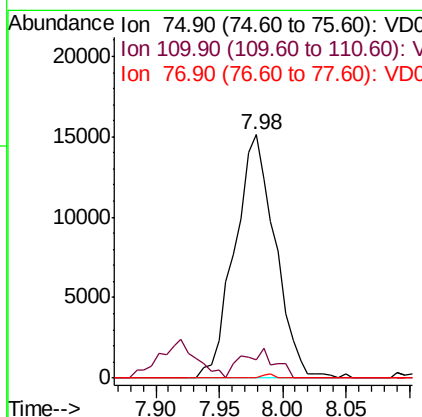
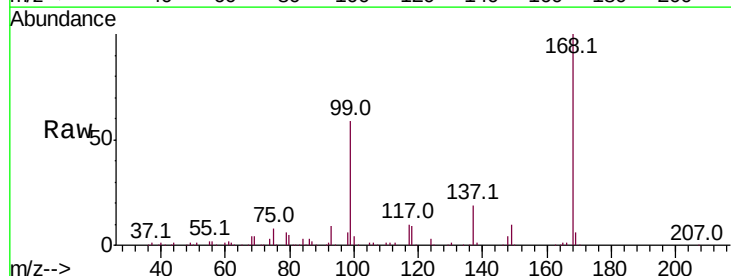
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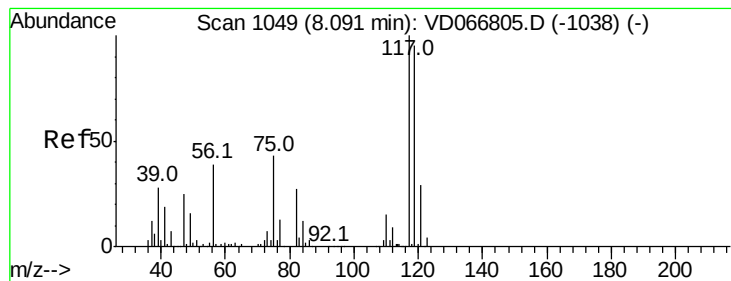
Tot Ion:113 Resp: 215696
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.8 122.8
 192 19.9 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.737 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066960.D
 Acq: 30 Sep 2020 02:23

Tgt Ion: 75 Resp: 33502
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.9 53.8#
 77 0.5 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.650 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066960.D

Acq: 30 Sep 2020 02:23

Instrument :

MSVOA_D

ClientSampleId :

B-11(0-1)

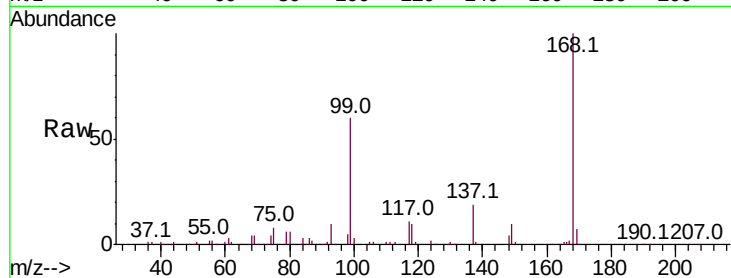
Tot Ion:117 Resp: 43688

Ion Ratio Lower Upper

117 100

119 7.9 75.8 113.8#

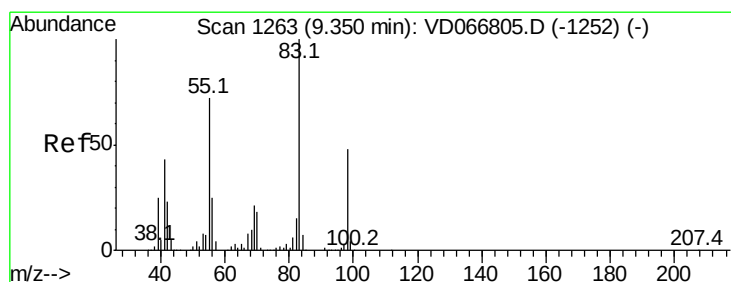
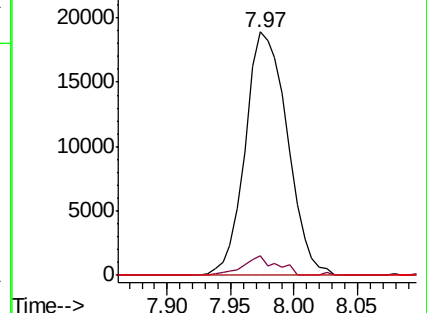
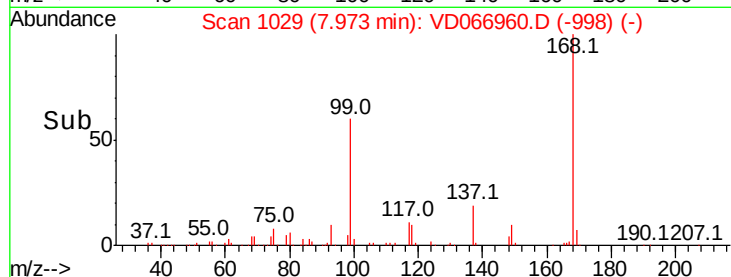
121 0.0 23.4 35.0#



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



#39

Methylcyclohexane

Concen: 2.114 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VD066960.D

Acq: 30 Sep 2020 02:23

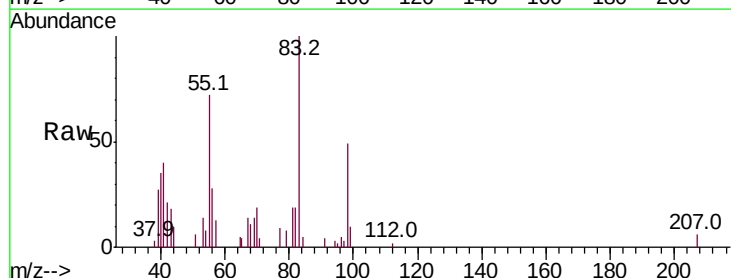
Tgt Ion: 83 Resp: 17166

Ion Ratio Lower Upper

83 100

55 68.6 57.7 86.5

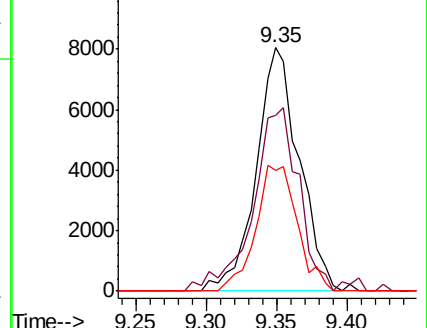
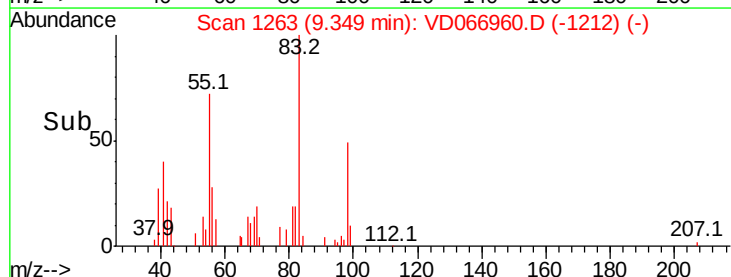
98 49.4 38.4 57.6

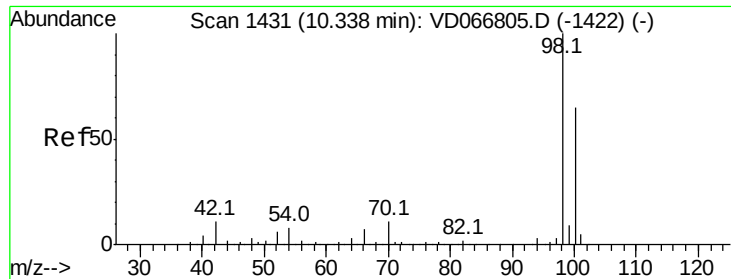


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V

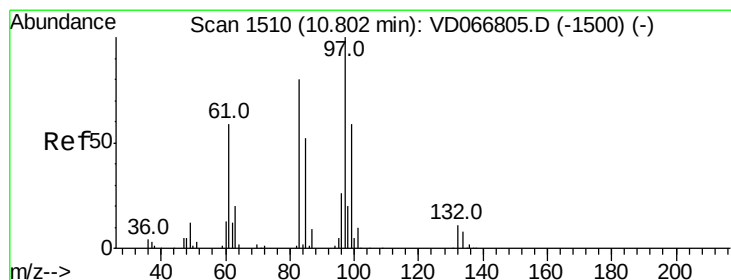
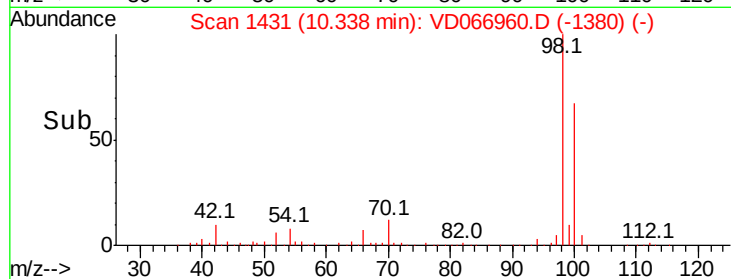
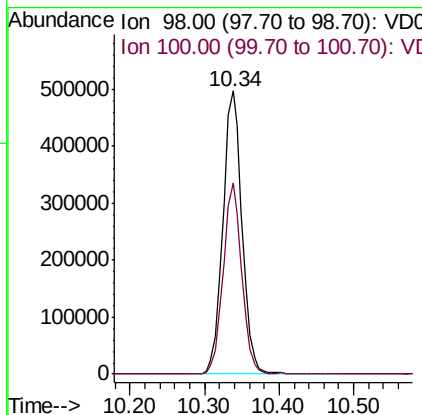
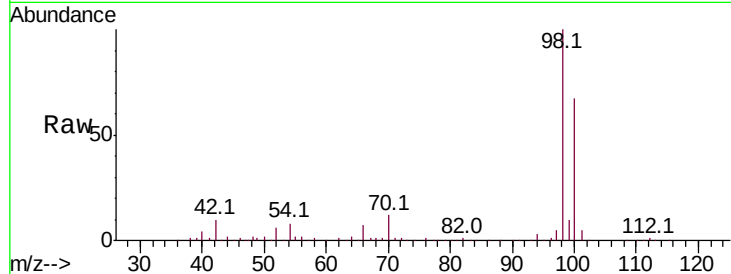




#50
Toluene-d8
Concen: 57.371 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066960.D
Acq: 30 Sep 2020 02:23

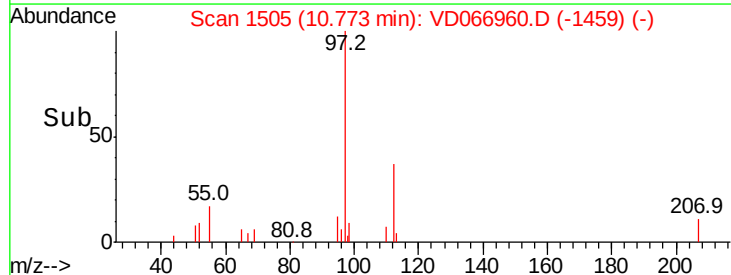
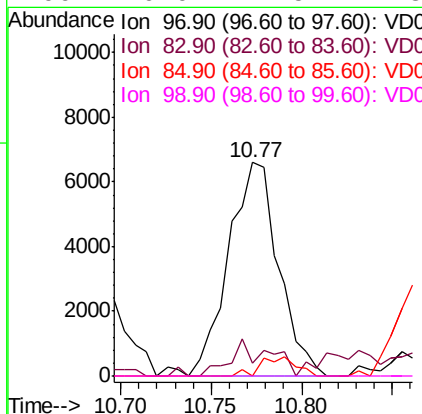
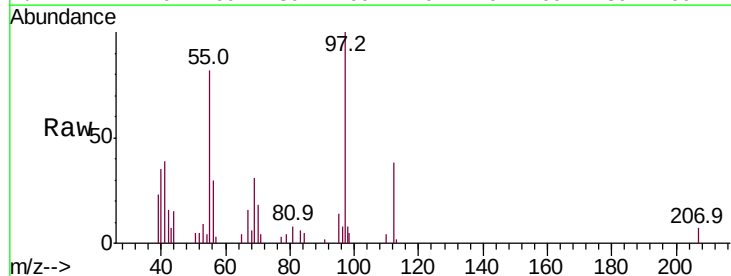
Instrument :
MSVOA_D
ClientSampled :
B-11(0-1)

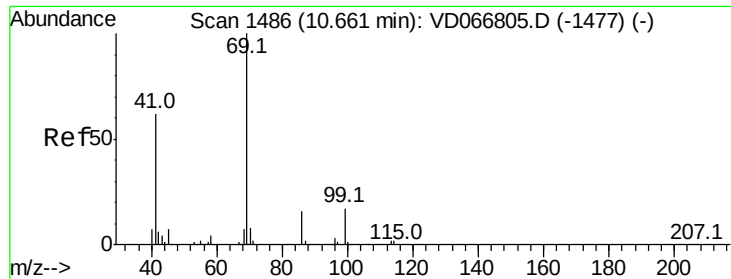
Tot Ion: 98 Resp: 886638
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2



#55
1,1,2-Trichloroethane
Concen: 3.414 ug/l
RT: 10.77 min Scan# 1505
Delta R.T. -0.03 min
Lab File: VD066960.D
Acq: 30 Sep 2020 02:23

Tgt Ion: 97 Resp: 12647
Ion Ratio Lower Upper
97 100
83 6.2 64.2 96.2#
85 0.0 41.9 62.9#
99 0.0 47.5 71.3#





#56

Ethyl methacrylate

Concen: 1.053 ug/l

RT: 10.67 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VD066960.D

Acq: 30 Sep 2020 02:23

Instrument :

MSVOA_D

ClientSampleId :

B-11(0-1)

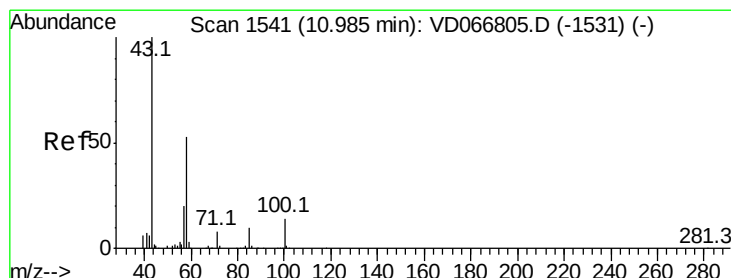
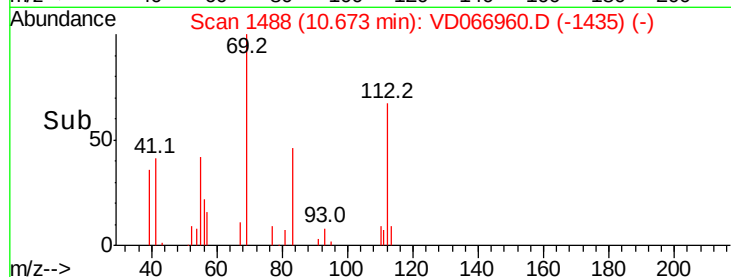
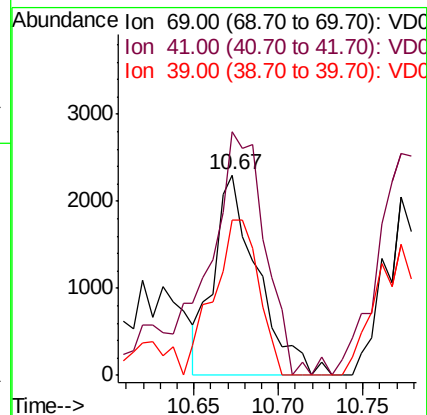
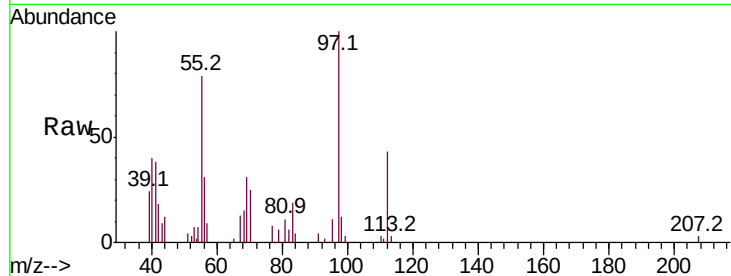
Tot Ion: 69 Resp: 4177

Ion Ratio Lower Upper

69 100

41 148.9 52.2 78.2#

39 79.8 26.6 40.0#



#59

2-Hexanone

Concen: 9.949 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.04 min

Lab File: VD066960.D

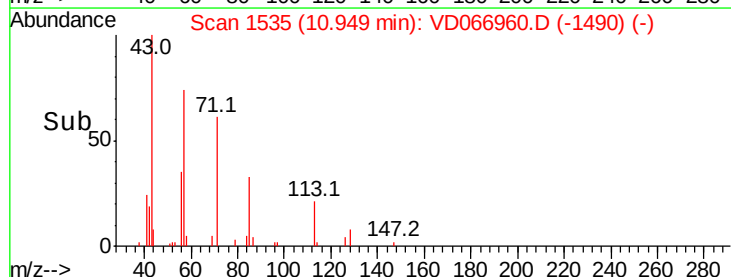
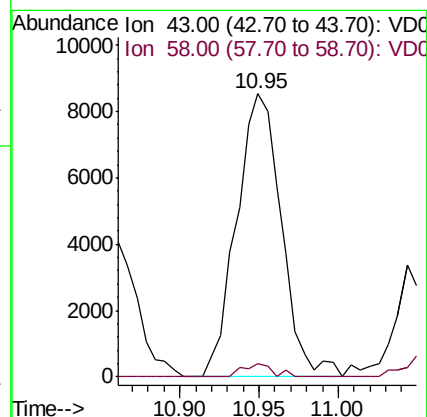
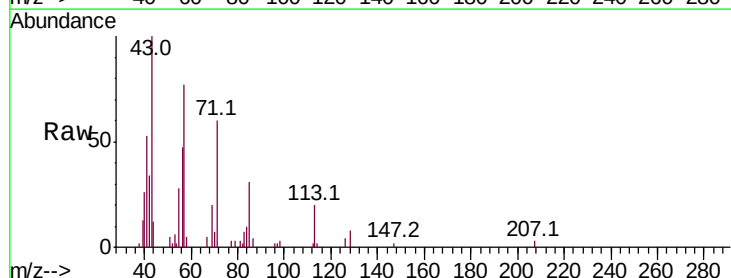
Acq: 30 Sep 2020 02:23

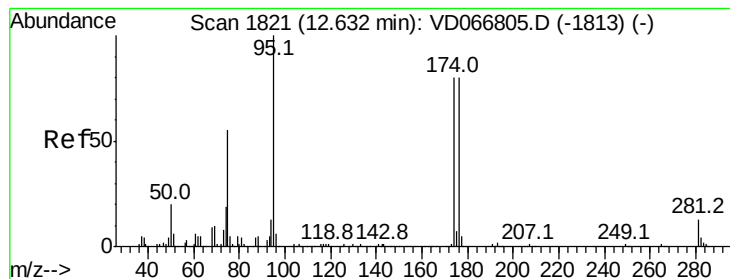
Tgt Ion: 43 Resp: 16760

Ion Ratio Lower Upper

43 100

58 3.2 27.0 80.8#





#62

4-Bromofluorobenzene

Concen: 67.919 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066960.D

Acq: 30 Sep 2020 02:23

Instrument :

MSVOA_D

ClientSampleId :

B-11(0-1)

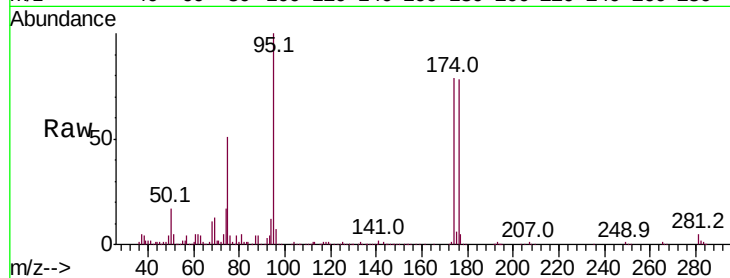
Tot Ion: 95 Resp: 359330

Ion Ratio Lower Upper

95 100

174 81.4 0.0 159.8

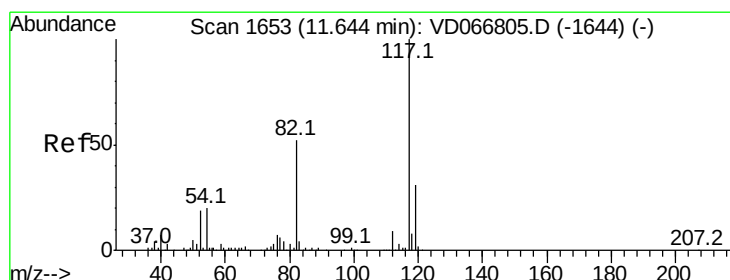
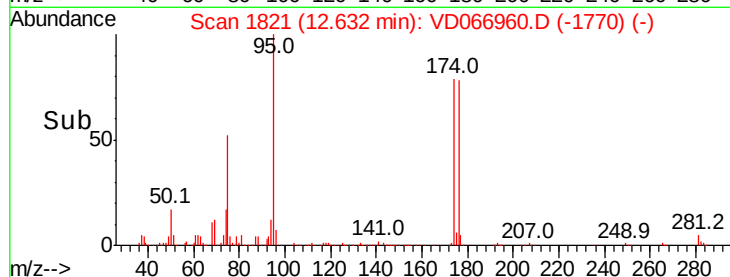
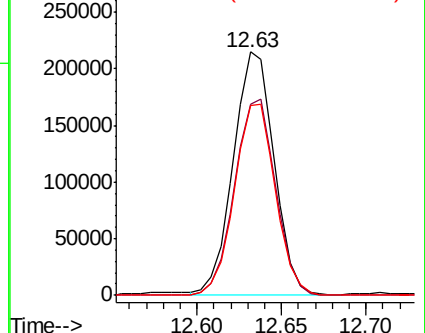
176 79.1 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066960.D

Acq: 30 Sep 2020 02:23

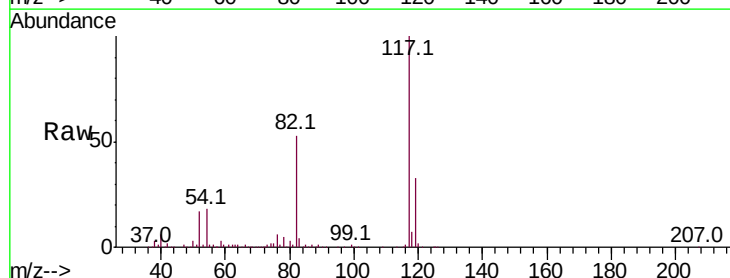
Tgt Ion: 117 Resp: 780563

Ion Ratio Lower Upper

117 100

82 53.1 41.8 62.6

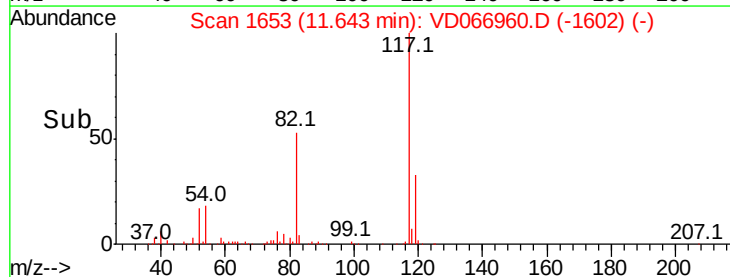
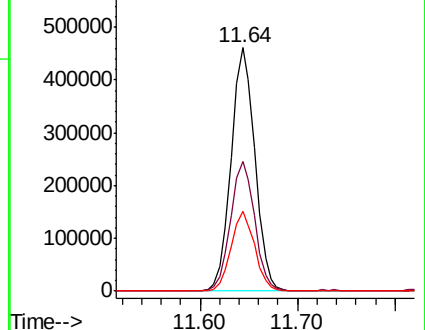
119 32.8 24.6 37.0

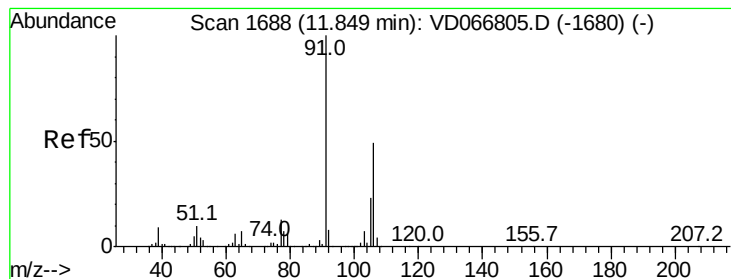


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#68

m/p-Xylenes

Concen: 1.564 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066960.D

Acq: 30 Sep 2020 02:23

Instrument :

MSVOA_D

ClientSampled :

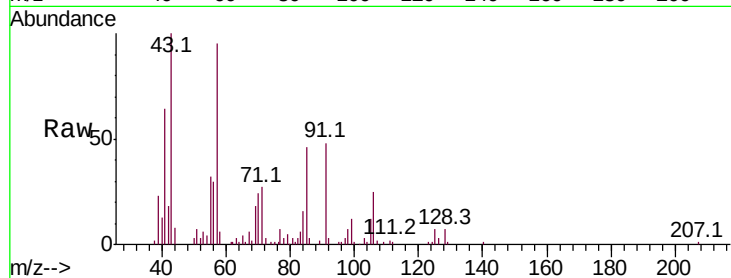
B-11(0-1)

Tot Ion:106 Resp: 16902

Ion Ratio Lower Upper

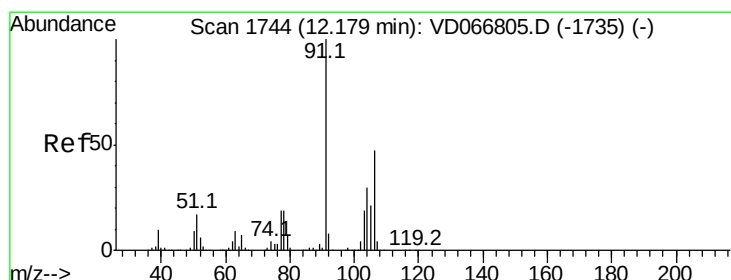
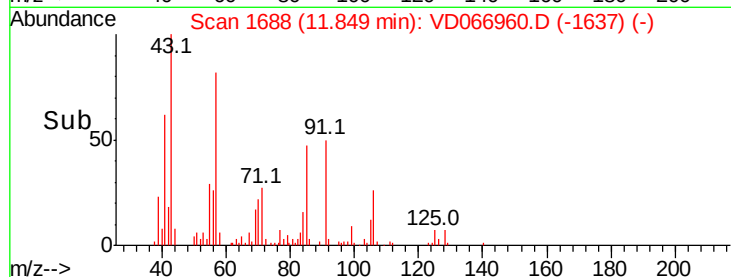
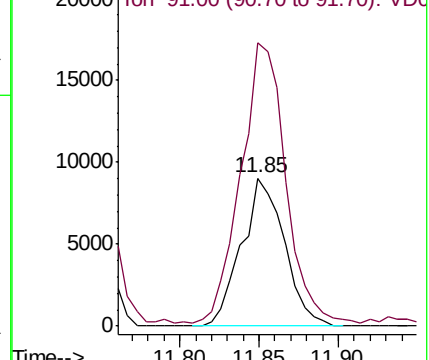
106 100

91 205.0 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VD



#69

o-Xylene

Concen: 1.720 ug/l

RT: 12.18 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VD066960.D

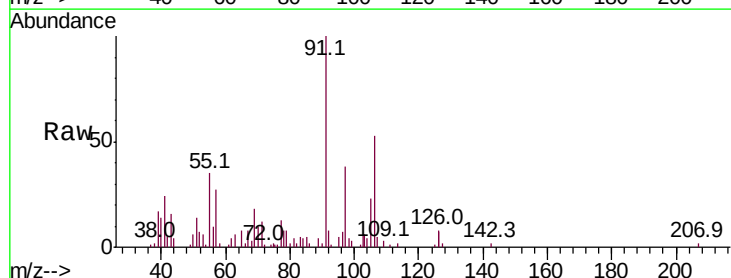
Acq: 30 Sep 2020 02:23

Tgt Ion:106 Resp: 16801

Ion Ratio Lower Upper

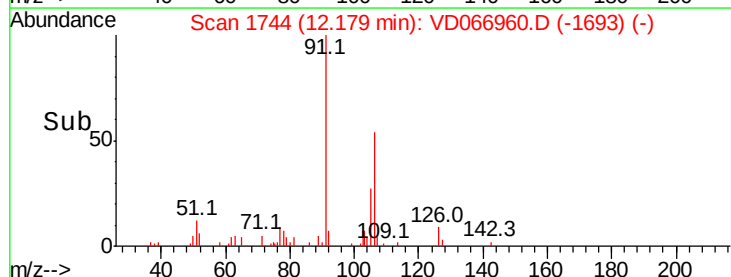
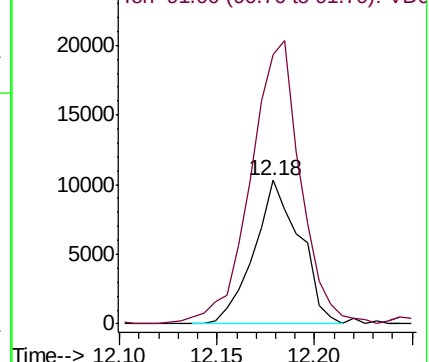
106 100

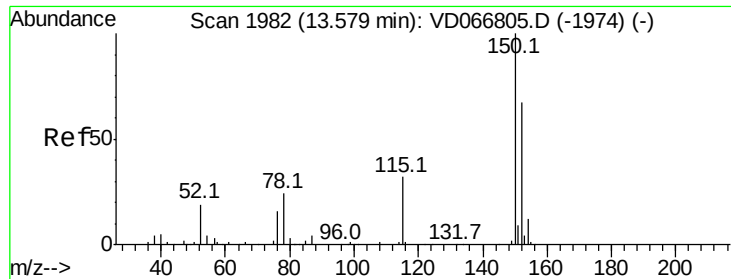
91 214.8 106.3 318.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VD



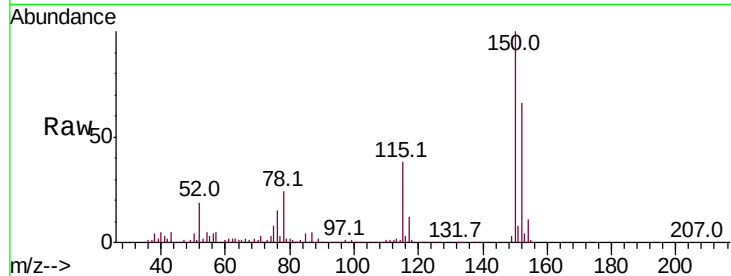


#72

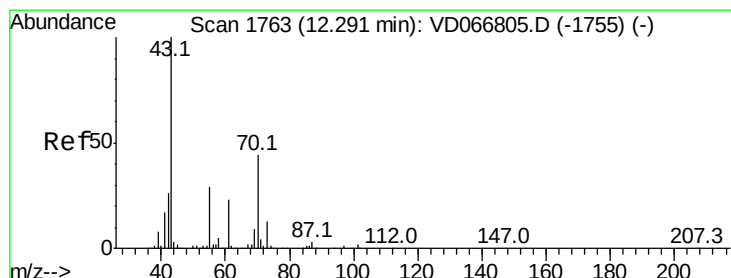
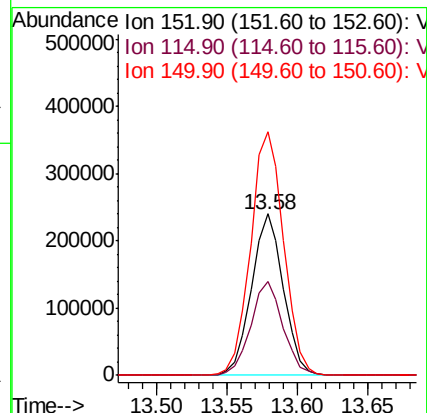
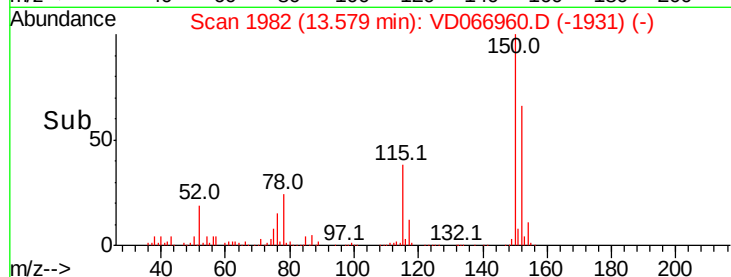
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066960.D
Acq: 30 Sep 2020 02:23

Instrument :
MSVOA_D
ClientSampleId :
B-11(0-1)

Tot Ion:152 Resp: 382436
Ion Ratio Lower Upper
152 100
115 58.2 30.3 91.0
150 155.7 0.0 346.2



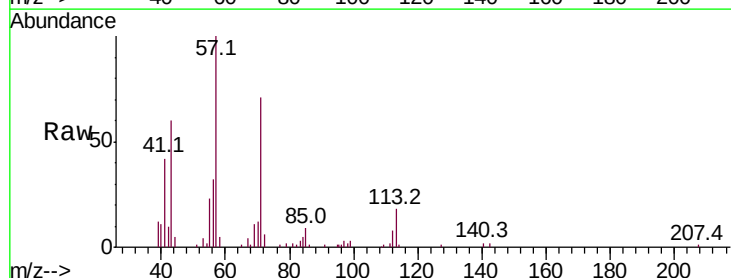
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



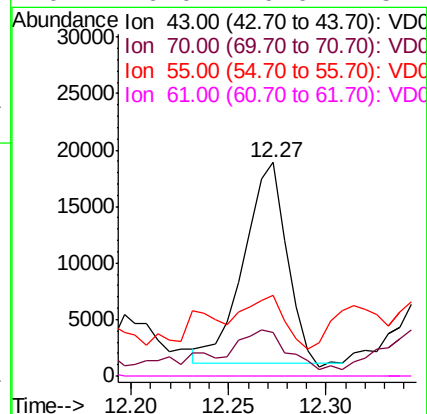
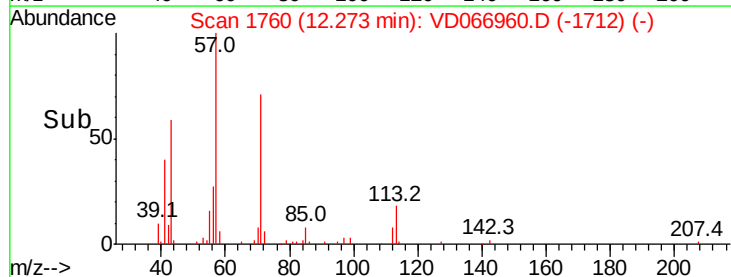
#74

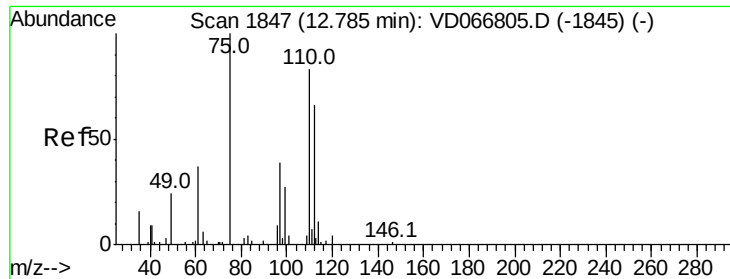
N-ethyl acetate
Concen: 5.012 ug/l
RT: 12.27 min Scan# 1760
Delta R.T. -0.02 min
Lab File: VD066960.D
Acq: 30 Sep 2020 02:23

Tgt Ion: 43 Resp: 27038
Ion Ratio Lower Upper
43 100
70 22.5 36.1 54.1#
55 25.2 21.8 32.8
61 0.0 19.0 28.4#



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

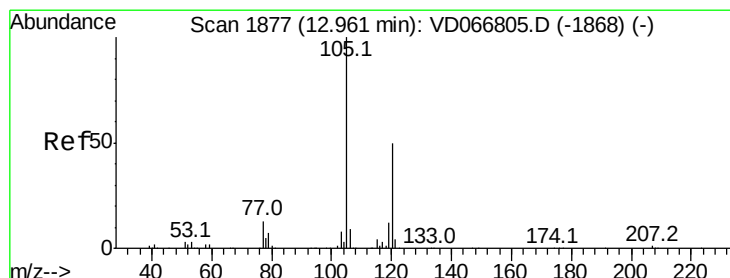
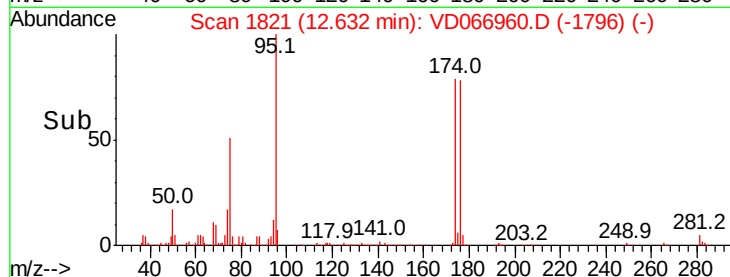
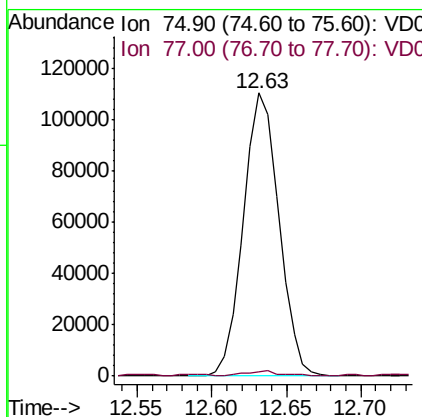
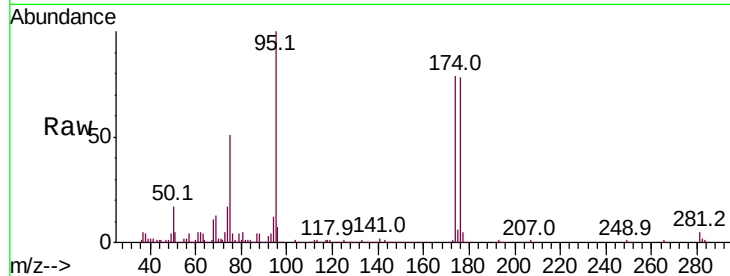




#76
 1,2,3-Trichloropropane
 Concen: 57.585 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066960.D
 Acq: 30 Sep 2020 02:23

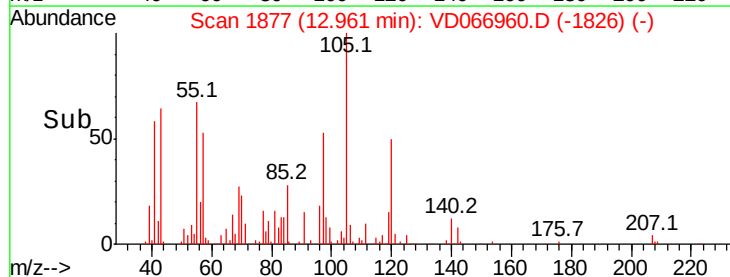
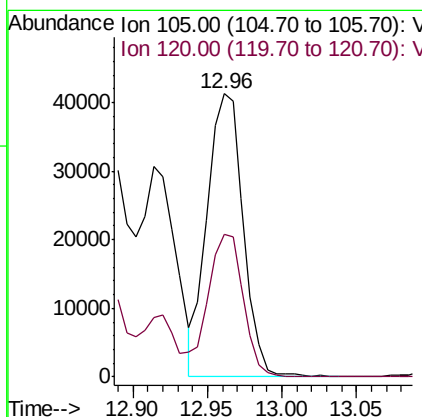
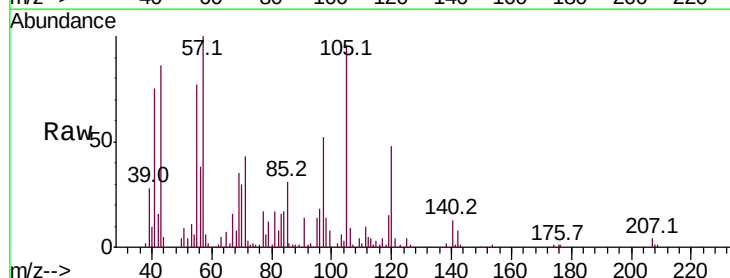
Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(0-1)

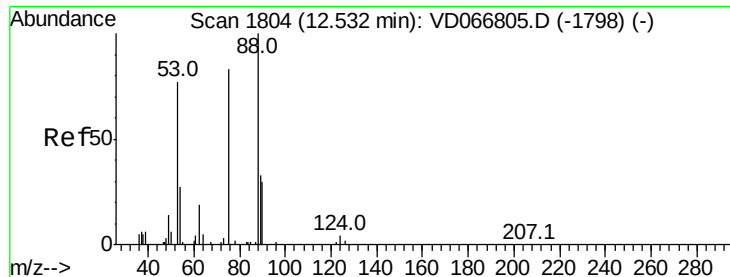
Tot Ion: 75 Resp: 182505
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 2.967 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066960.D
 Acq: 30 Sep 2020 02:23

Tgt Ion: 105 Resp: 69548
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 144.072 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066960.D

Acq: 30 Sep 2020 02:23

Instrument :

MSVOA_D

ClientSampleId :

B-11(0-1)

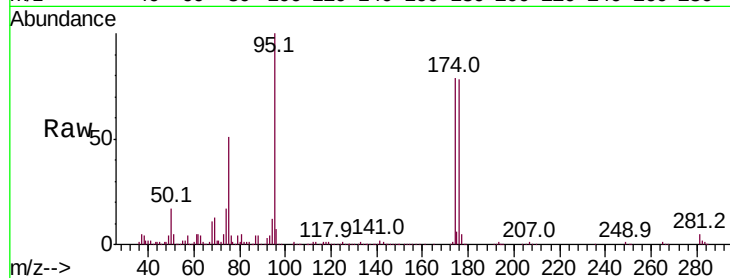
Tot Ion: 75 Resp: 182505

Ion Ratio Lower Upper

75 100

53 0.4 78.5 117.7#

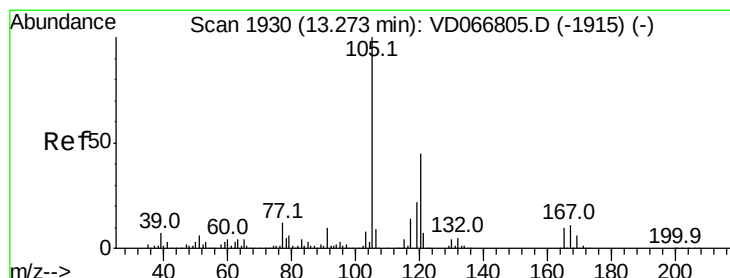
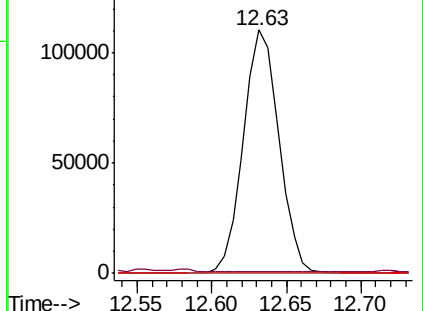
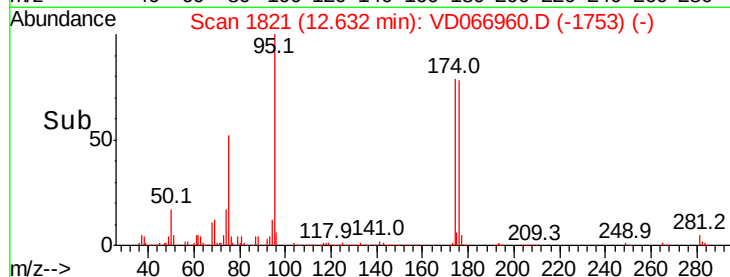
89 0.1 38.1 57.1#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.949 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066960.D

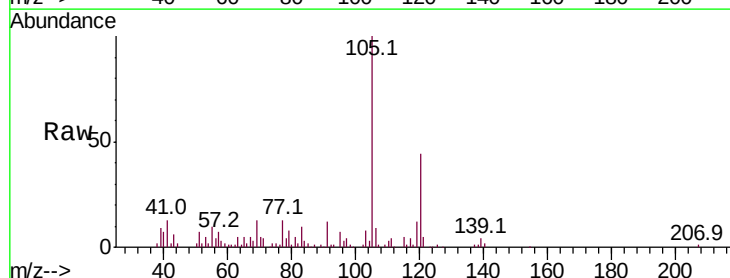
Acq: 30 Sep 2020 02:23

Tgt Ion: 105 Resp: 68560

Ion Ratio Lower Upper

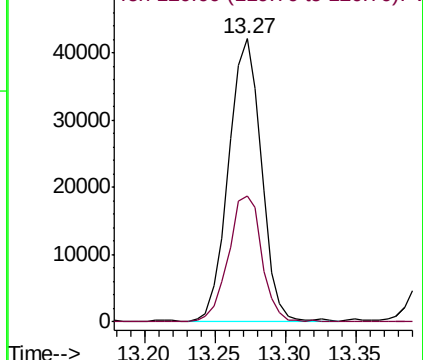
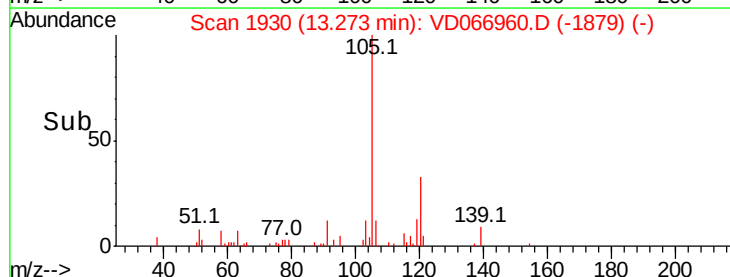
105 100

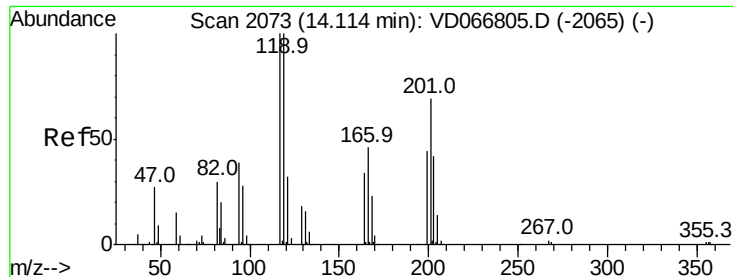
120 45.0 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

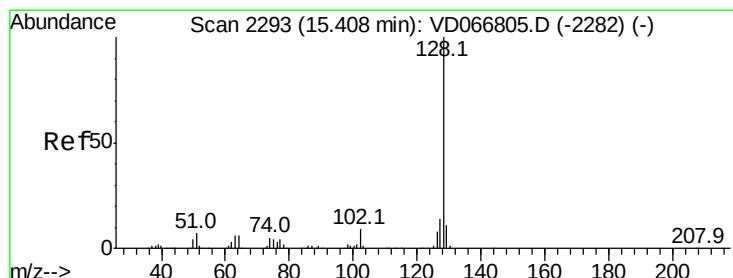
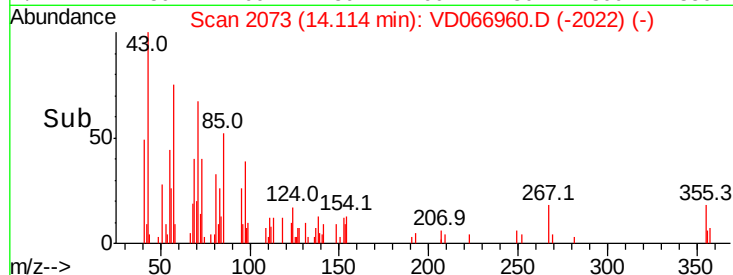
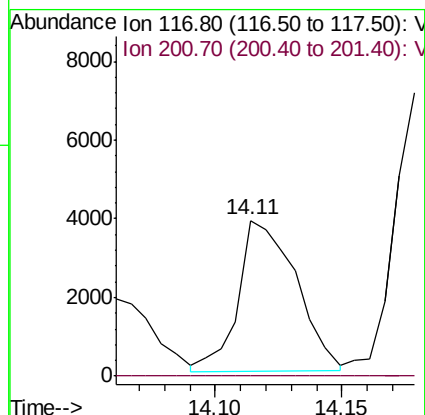
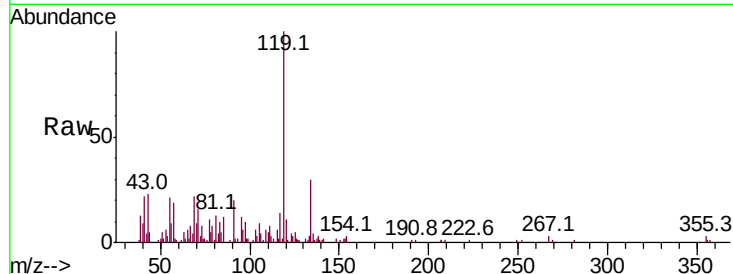




#90
Hexachloroethane
Concen: 1.215 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066960.D
Acq: 30 Sep 2020 02:23

Instrument :
MSVOA_D
ClientSampleId :
B-11(0-1)

Tot Ion:117 Resp: 6157
Ion Ratio Lower Upper
117 100
201 0.0 33.7 101.0#



#95
Naphthalene
Concen: 2.792 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066960.D
Acq: 30 Sep 2020 02:23

Tgt Ion:128 Resp: 32586
Ion Ratio Lower Upper
128 100
127 15.9 10.6 16.0
129 16.8 8.9 13.3#

