

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066743.D
 Acq On : 17 Sep 2020 14:37
 Operator : VA/SY
 Sample : L4033-23
 Misc : 8.50G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 78-80

Quant Time: Sep 18 01:50:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	395761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	701440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	676754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	295342	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	230678	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
35) Dibromofluoromethane	7.91	113	236057	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	
50) Toluene-d8	10.34	98	870918	56.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.68%	
62) 4-Bromofluorobenzene	12.63	95	304073	57.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.98%	

Target Compounds

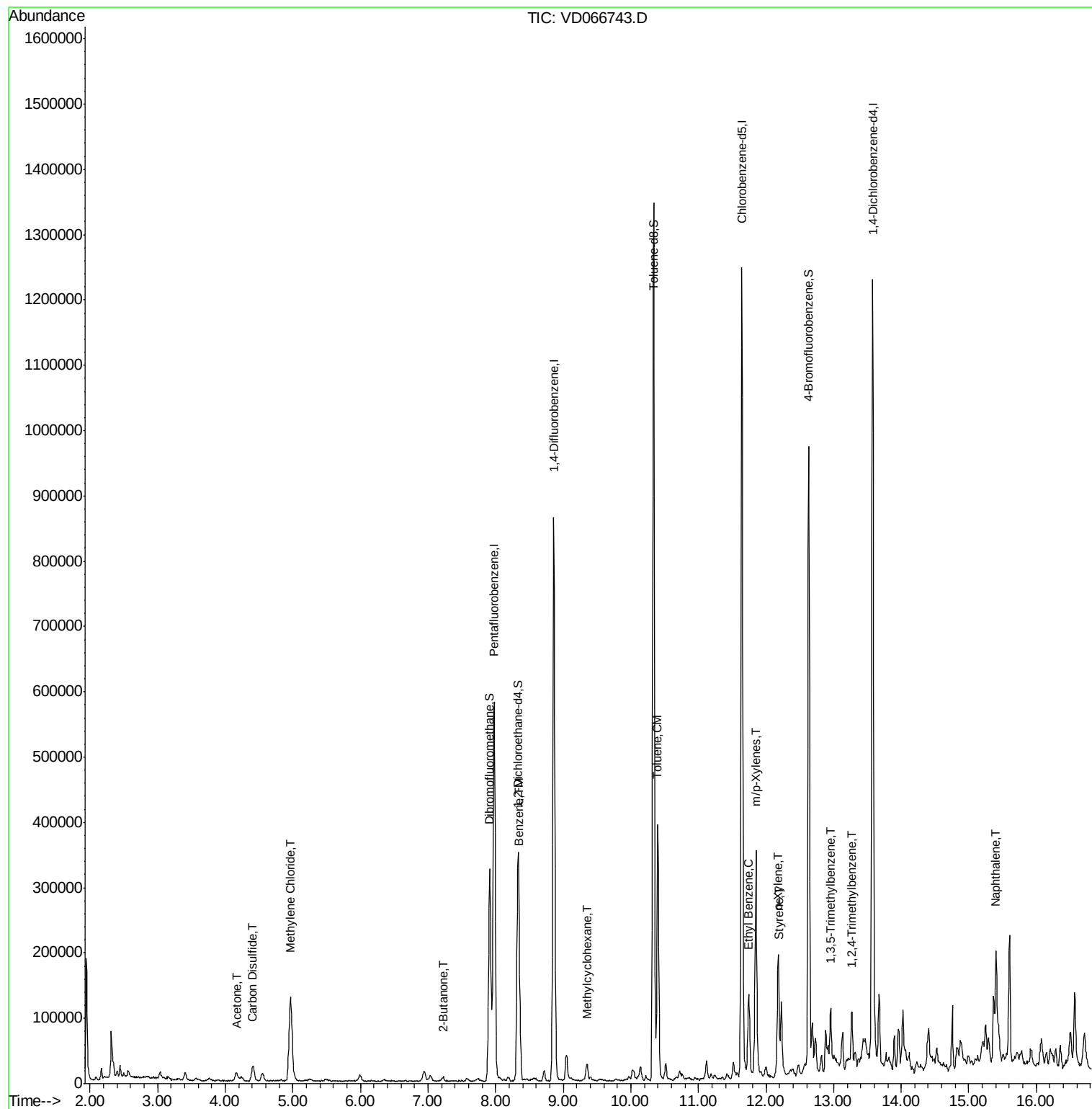
						Qvalue
16) Acetone	4.17	43	22307	25.942	ug/l	95
17) Carbon Disulfide	4.40	76	49615	3.987	ug/l	95
20) Methylene Chloride	4.96	84	97842	16.189	ug/l #	86
25) 2-Butanone	7.23	43	7798	6.964	ug/l #	74
39) Methylcyclohexane	9.35	83	9934	1.204	ug/l #	83
40) Benzene	8.35	78	125161	6.415	ug/l	95
52) Toluene	10.40	92	172079	13.767	ug/l	98
67) Ethyl Benzene	11.74	91	76273	3.005	ug/l	94
68) m/p-Xylenes	11.85	106	98246	10.242	ug/l	96
69) o-Xylene	12.18	106	45462	5.363	ug/l	96
70) Styrene	12.20	104	16398	1.099	ug/l #	54
80) 1,3,5-Trimethylbenzene	12.96	105	26136	1.402	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	48041	2.579	ug/l	98
95) Naphthalene	15.41	128	150566	17.056	ug/l #	93

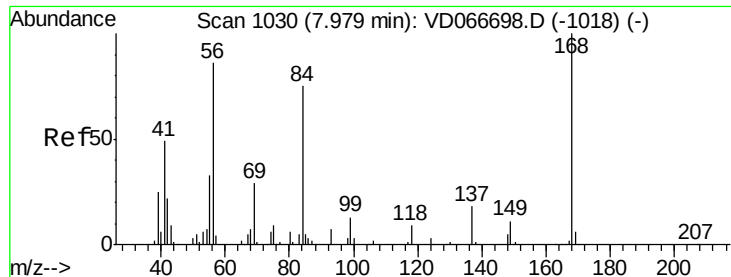
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066743.D

Acq: 17 Sep 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

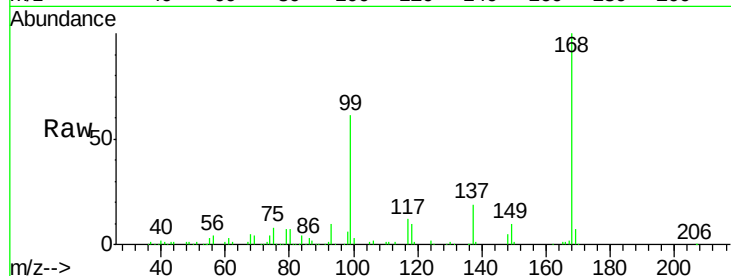
78-80

Tot Ion:168 Resp: 395761

Ion Ratio Lower Upper

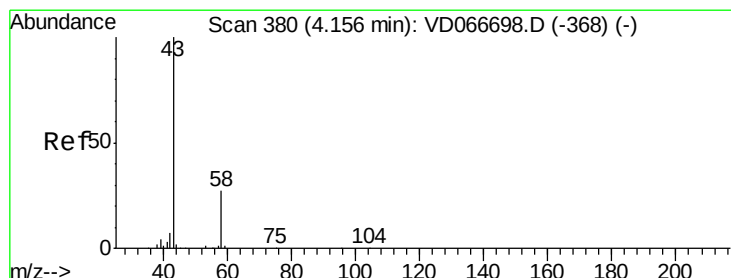
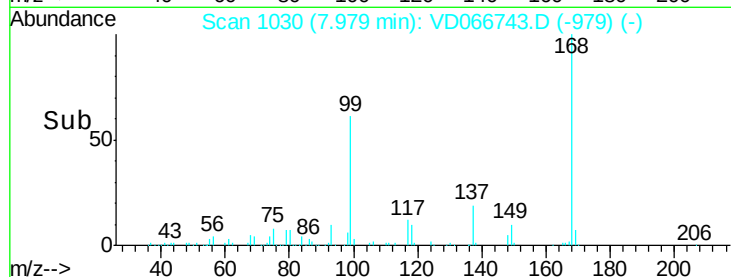
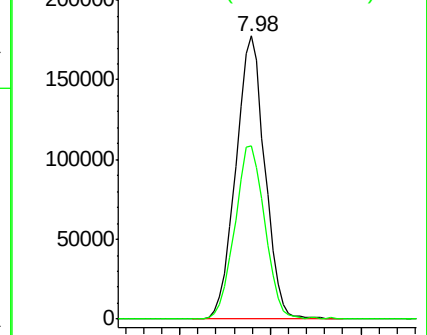
168 100

99 61.1 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 25.942 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066743.D

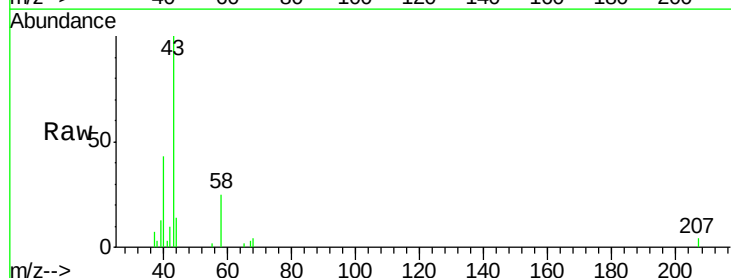
Acq: 17 Sep 2020 14:37

Tgt Ion: 43 Resp: 22307

Ion Ratio Lower Upper

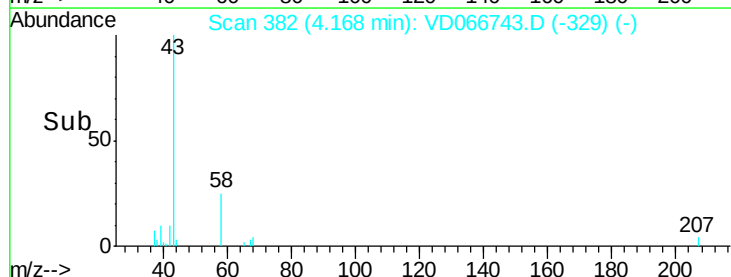
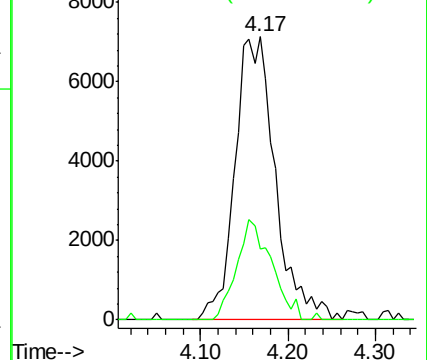
43 100

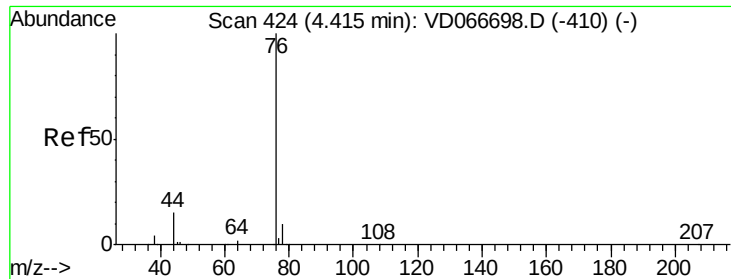
58 25.0 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 3.987 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066743.D

Acq: 17 Sep 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

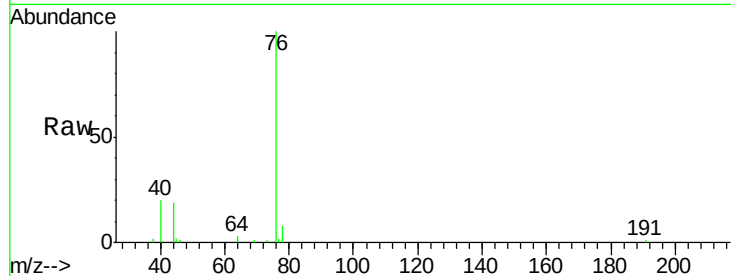
78-80

Tot Ion: 76 Resp: 49615

Ion Ratio Lower Upper

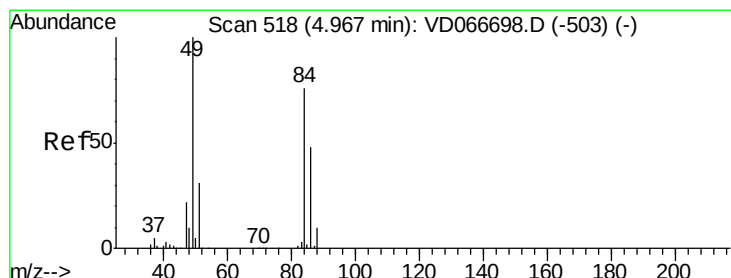
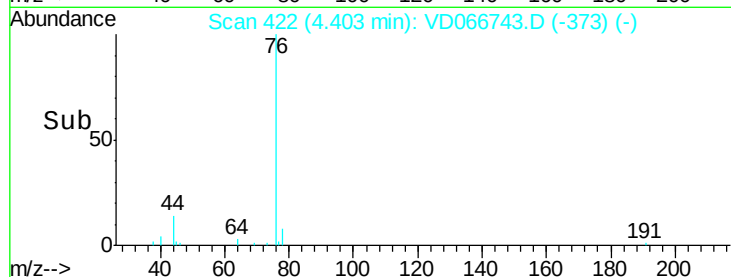
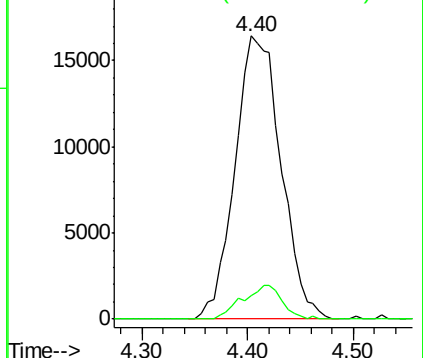
76 100

78 8.2 8.0 12.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#20

Methylene Chloride

Concen: 16.189 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066743.D

Acq: 17 Sep 2020 14:37

Tgt Ion: 84 Resp: 97842

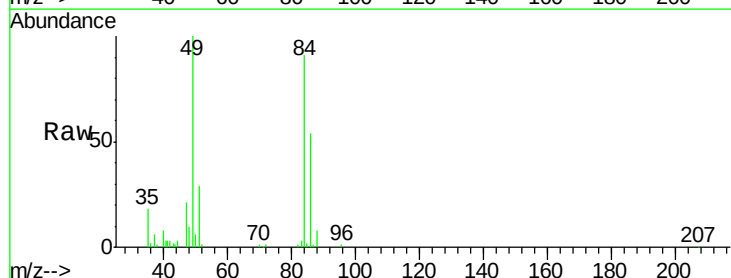
Ion Ratio Lower Upper

84 100

49 109.6 105.0 157.6

51 32.0 32.2 48.4#

86 59.4 50.4 75.6

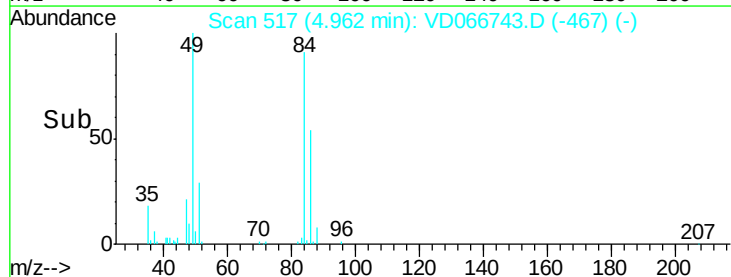
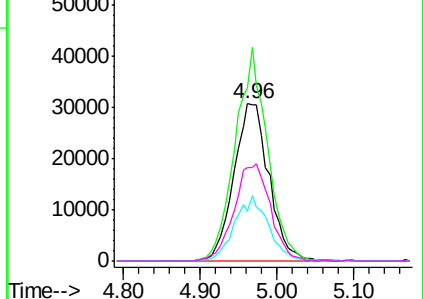


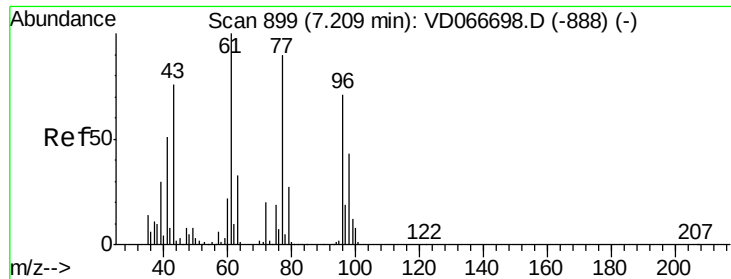
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 6.964 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD066743.D

Acq: 17 Sep 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

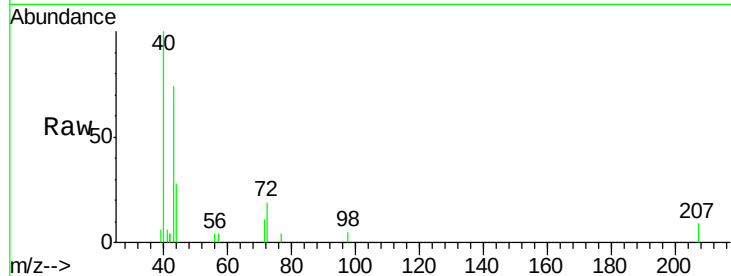
78-80

Tot Ion: 43 Resp: 7798

Ion Ratio Lower Upper

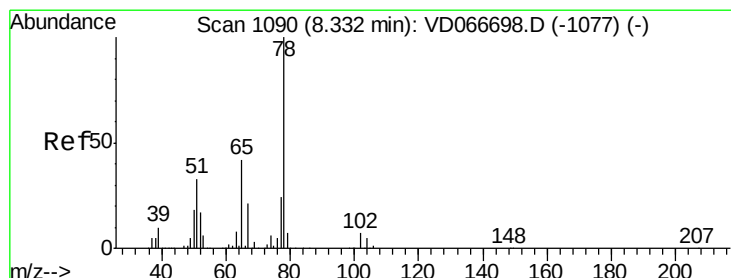
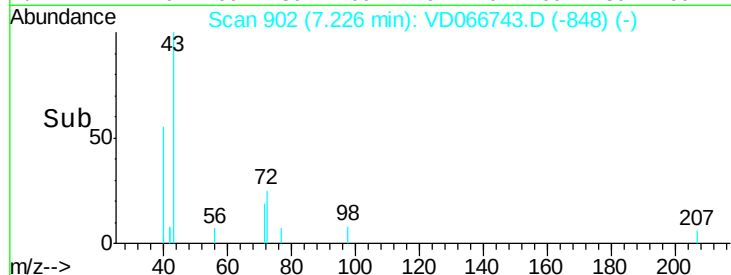
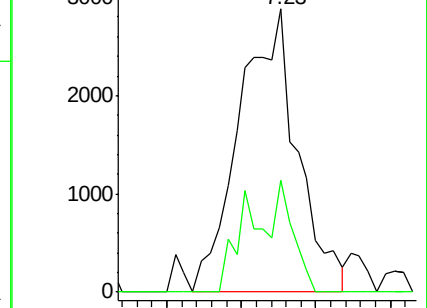
43 100

72 39.5 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 54.630 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066743.D

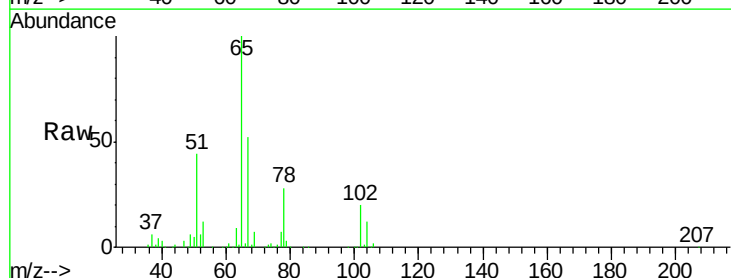
Acq: 17 Sep 2020 14:37

Tgt Ion: 65 Resp: 230678

Ion Ratio Lower Upper

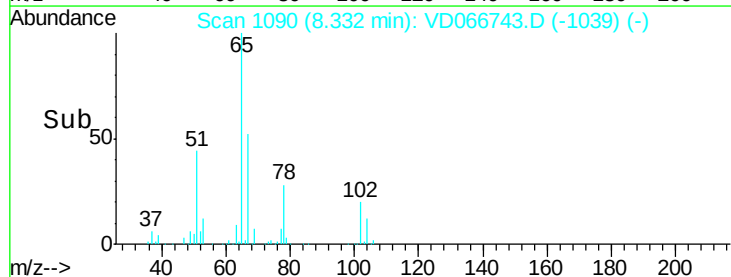
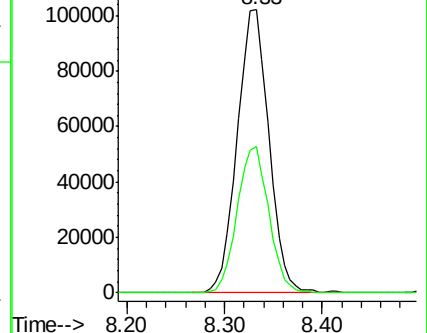
65 100

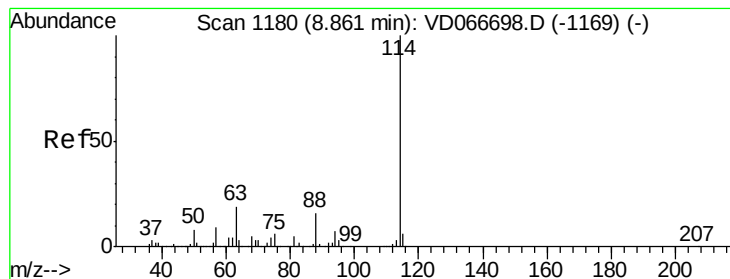
67 51.5 0.0 102.2



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: VD066743.D

Acq: 17 Sep 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

78-80

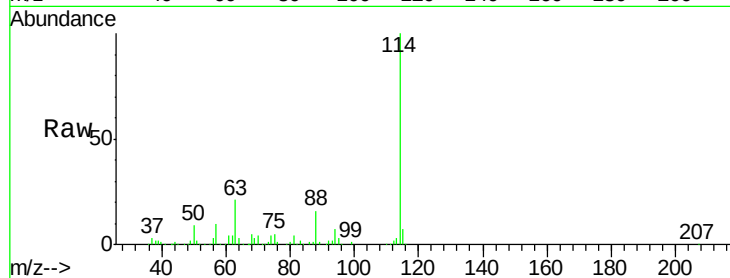
Tot Ion:114 Resp: 701440

Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.6

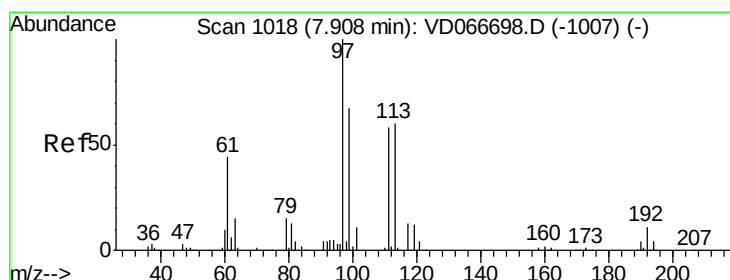
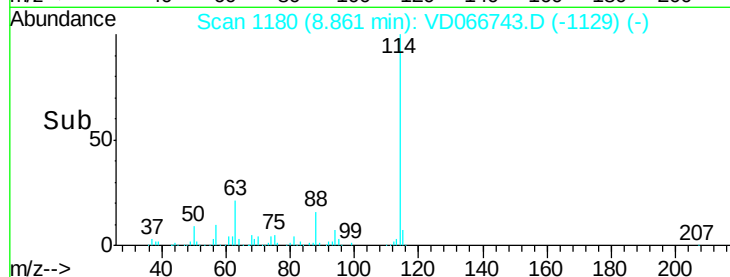
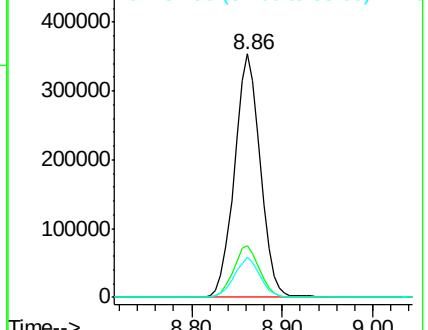
88 16.4 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 54.891 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066743.D

Acq: 17 Sep 2020 14:37

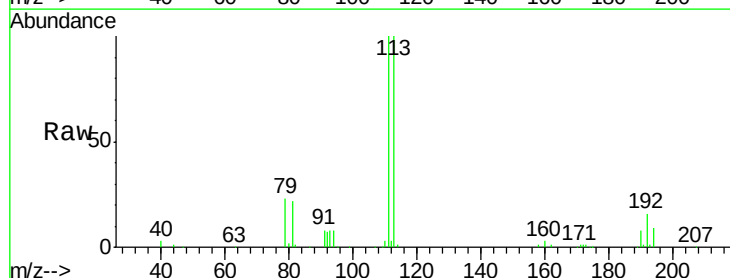
Tgt Ion:113 Resp: 236057

Ion Ratio Lower Upper

113 100

111 102.8 83.2 124.8

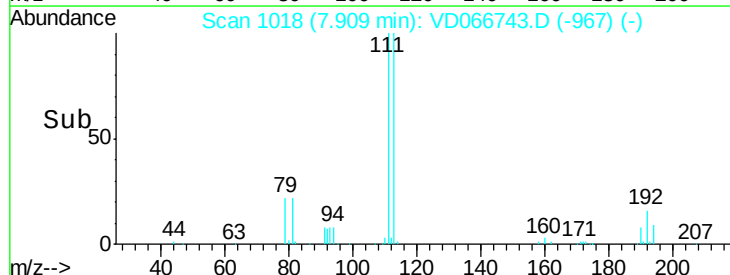
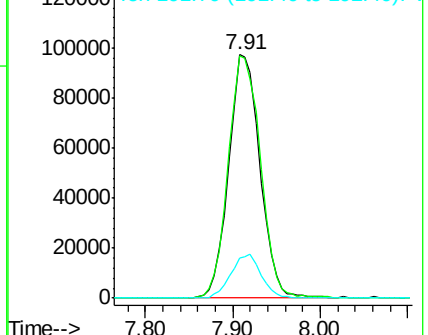
192 17.3 14.8 22.2

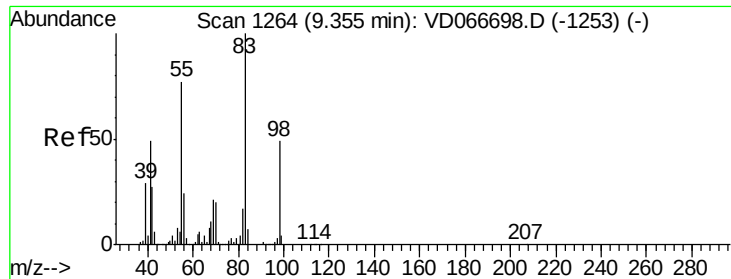


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

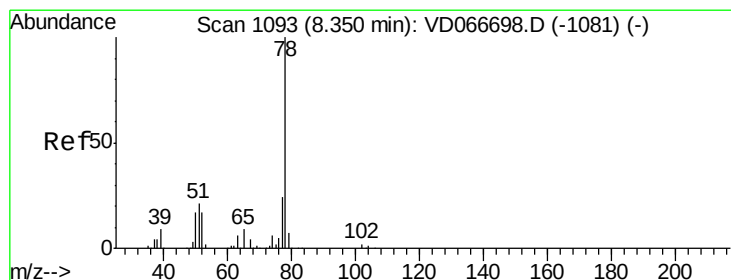
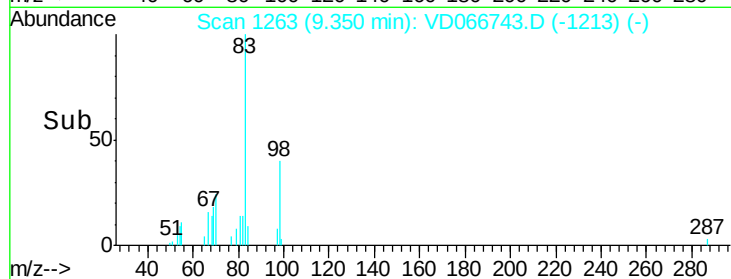
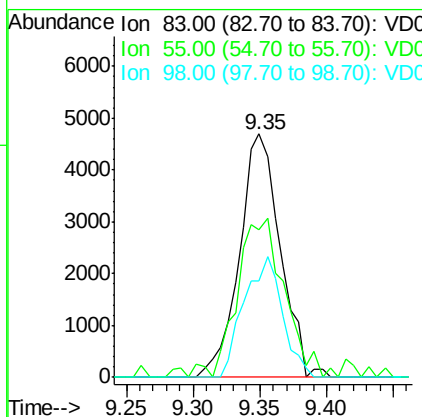
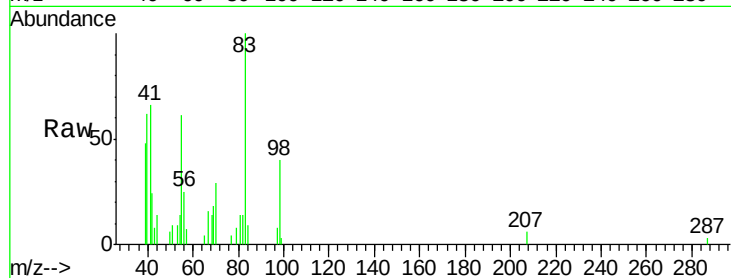




#39
Methylvlcyclohexane
Concen: 1.204 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066743.D
Acq: 17 Sep 2020 14:37

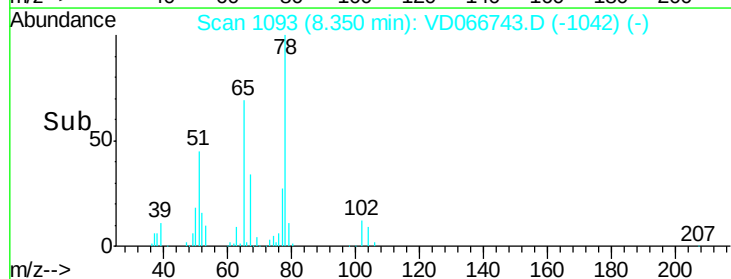
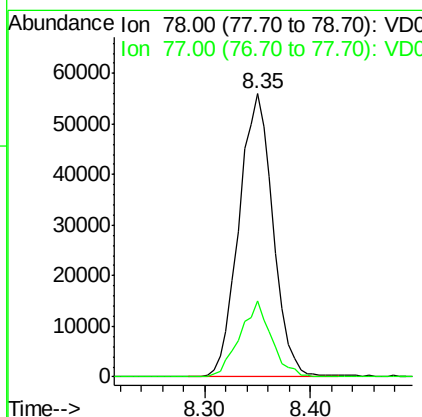
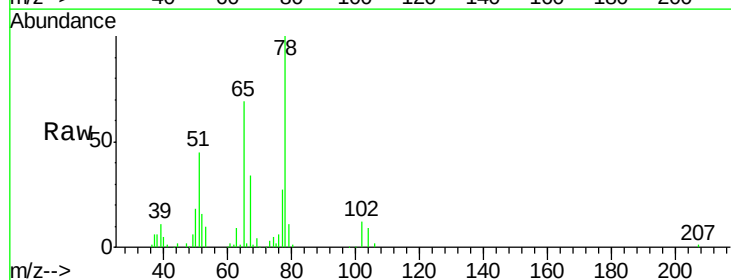
Instrument :
MSVOA_D
ClientSampleId :
78-80

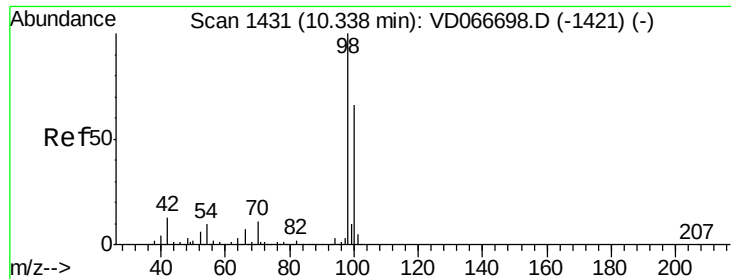
Tot Ion: 83 Resp: 9934
Ion Ratio Lower Upper
83 100
55 60.8 61.5 92.3#
98 39.8 39.3 58.9



#40
Benzene
Concen: 6.415 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066743.D
Acq: 17 Sep 2020 14:37

Tgt Ion: 78 Resp: 125161
Ion Ratio Lower Upper
78 100
77 26.7 19.3 28.9

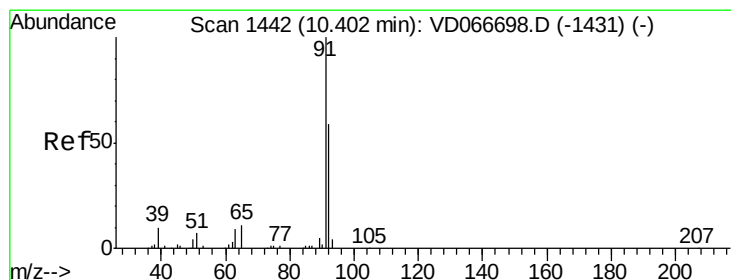
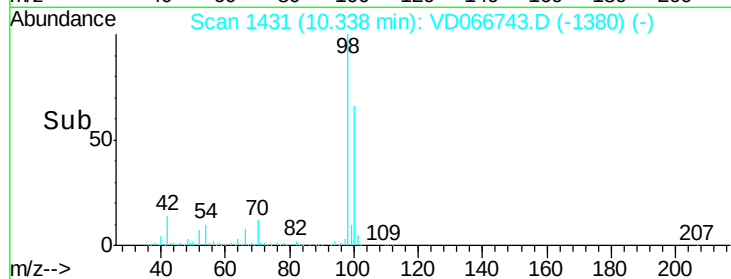
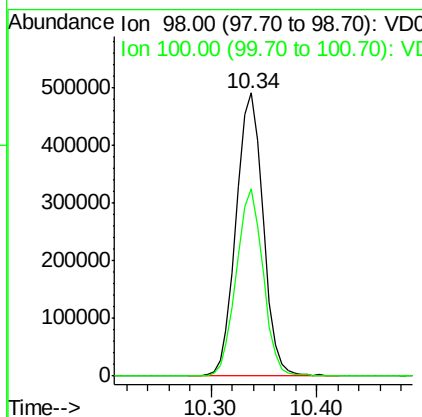
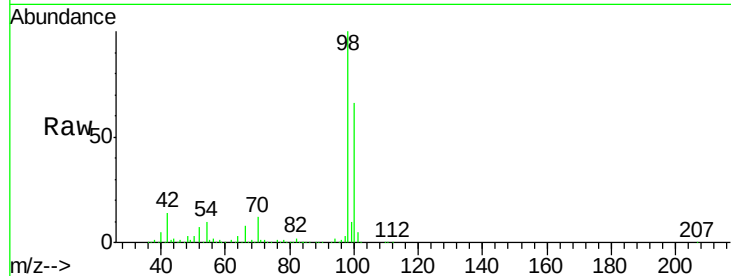




#50
Toluene-d8
Concen: 56.842 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066743.D
Acq: 17 Sep 2020 14:37

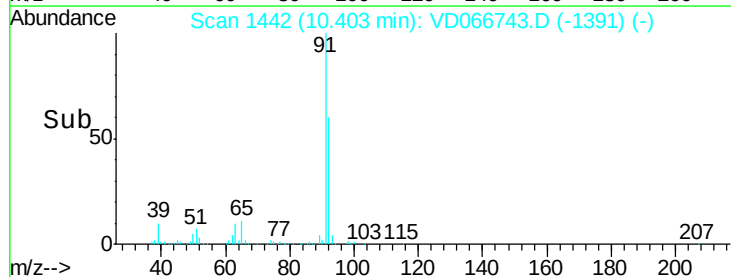
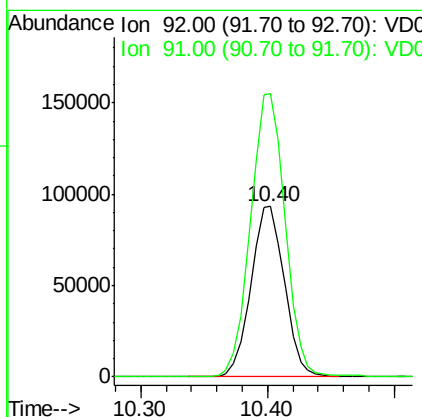
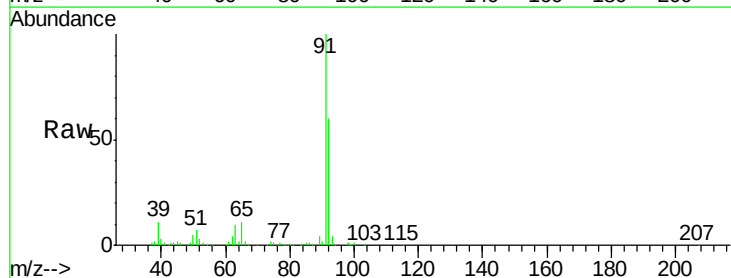
Instrument :
MSVOA_D
ClientSampleId :
78-80

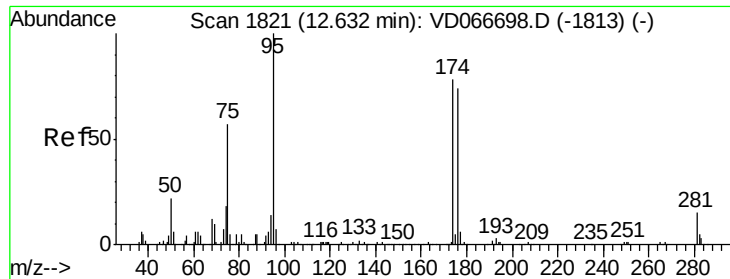
Tot Ion: 98 Resp: 870918
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#52
Toluene
Concen: 13.767 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066743.D
Acq: 17 Sep 2020 14:37

Tgt Ion: 92 Resp: 172079
Ion Ratio Lower Upper
92 100
91 172.0 135.8 203.8

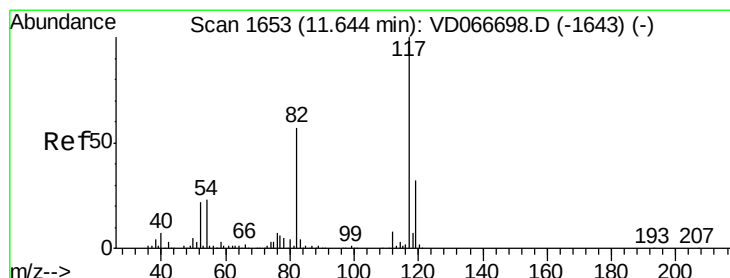
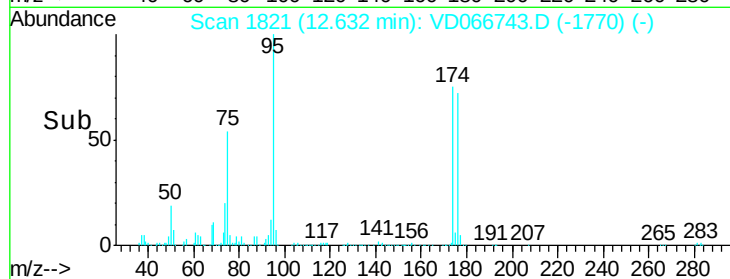
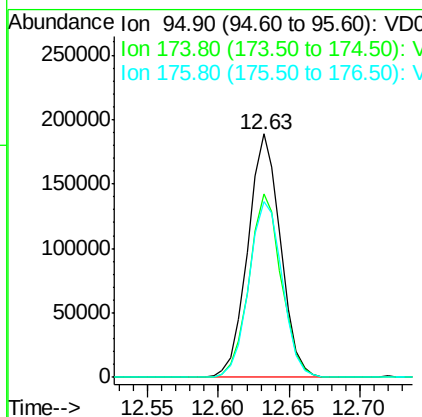
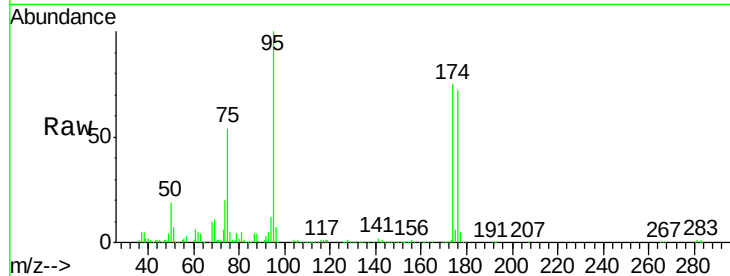




#62
4-Bromofluorobenzene
Concen: 57.493 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066743.D
Acq: 17 Sep 2020 14:37

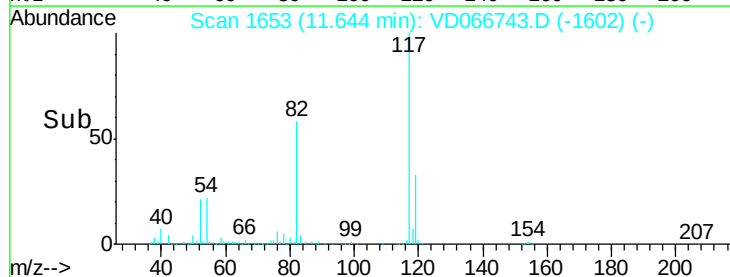
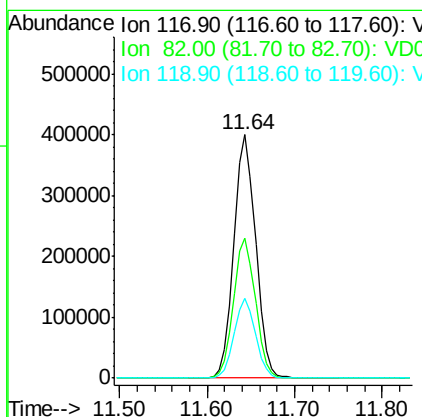
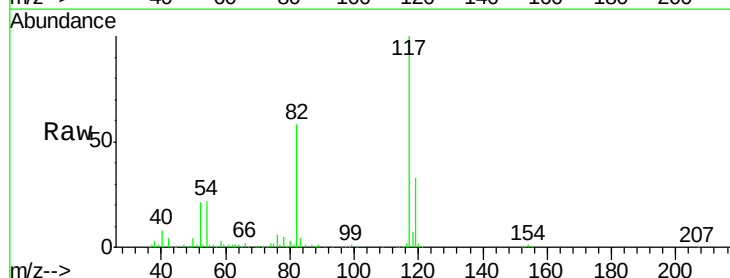
Instrument :
MSVOA_D
ClientSampled :
78-80

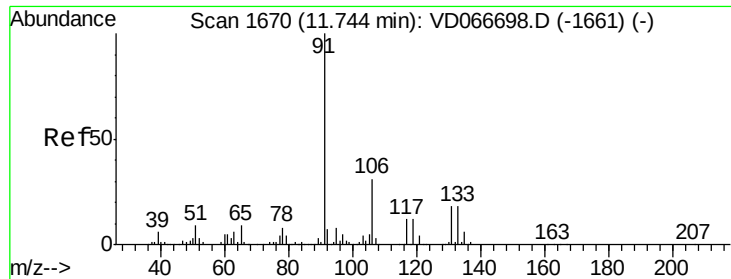
Tot Ion	95	Resp	304073
Ion Ratio	Lower	Upper	
95	100		
174	75.4	0.0	156.6
176	74.2	0.0	150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066743.D
Acq: 17 Sep 2020 14:37

Tgt Ion	117	Resp	676754
Ion Ratio	Lower	Upper	
117	100		
82	57.6	45.4	68.0
119	32.6	25.8	38.6

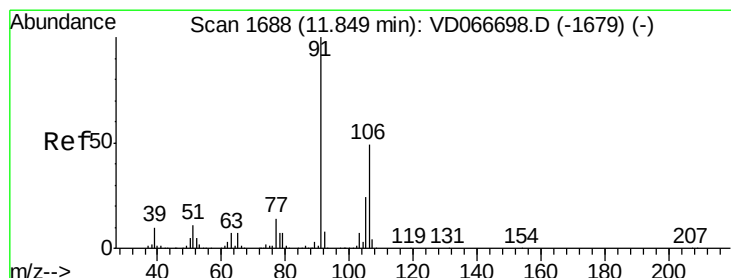
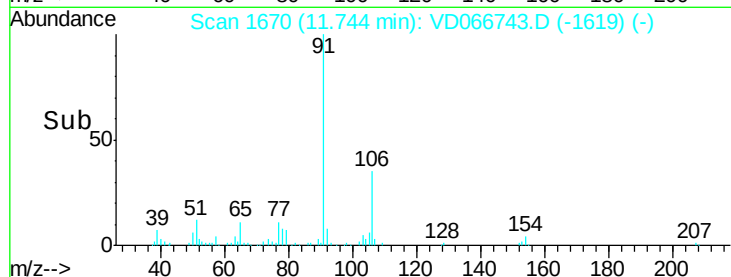
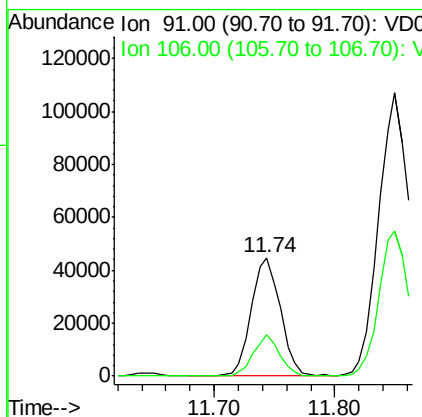
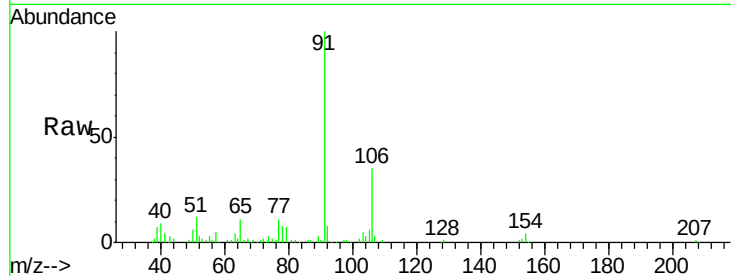




#67
Ethyl Benzene
Concen: 3.005 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066743.D
Acq: 17 Sep 2020 14:37

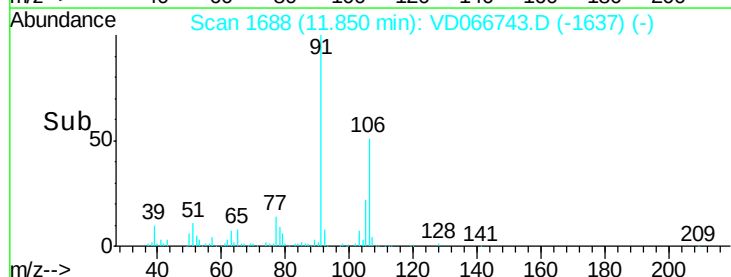
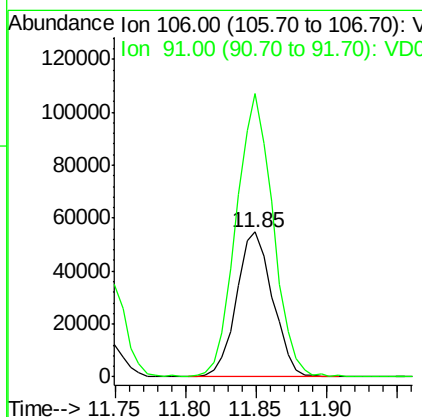
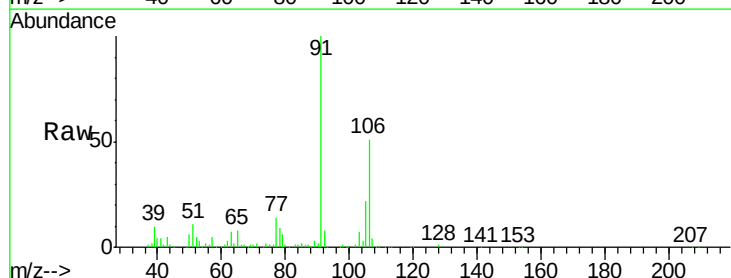
Instrument :
MSVOA_D
ClientSampleId :
78-80

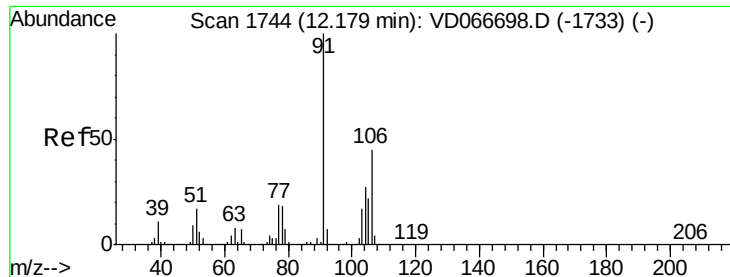
Tot Ion: 91 Resp: 76273
Ion Ratio Lower Upper
91 100
106 34.5 25.1 37.7



#68
m/p-Xylenes
Concen: 10.242 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066743.D
Acq: 17 Sep 2020 14:37

Tgt Ion: 106 Resp: 98246
Ion Ratio Lower Upper
106 100
91 199.3 164.8 247.2

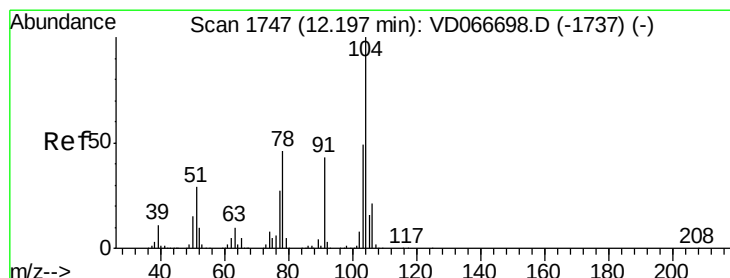
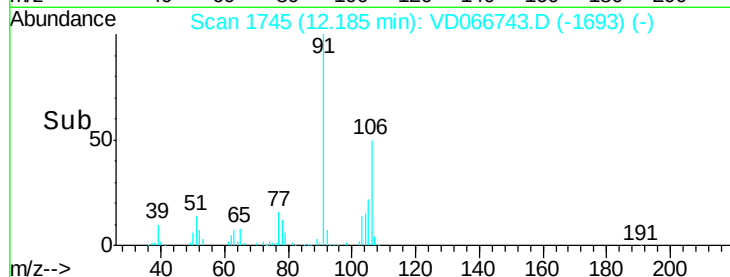
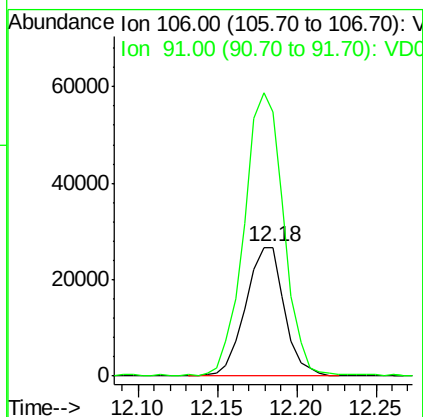
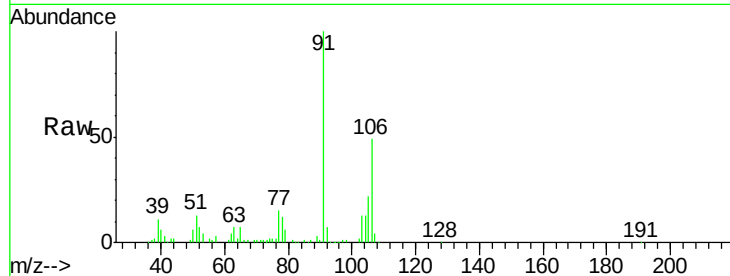




#69
o-Xylene
Concen: 5.363 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066743.D
Acq: 17 Sep 2020 14:37

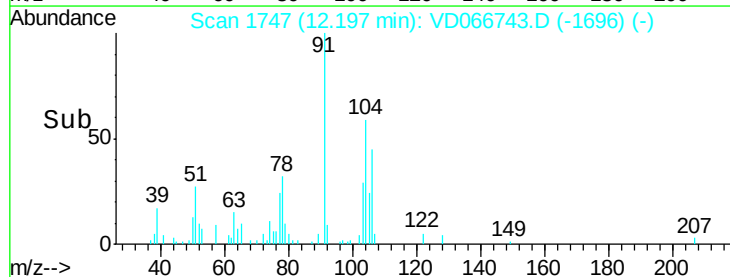
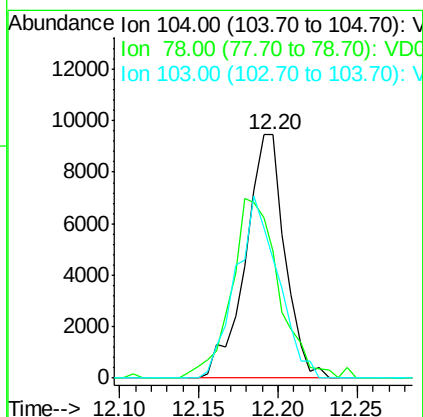
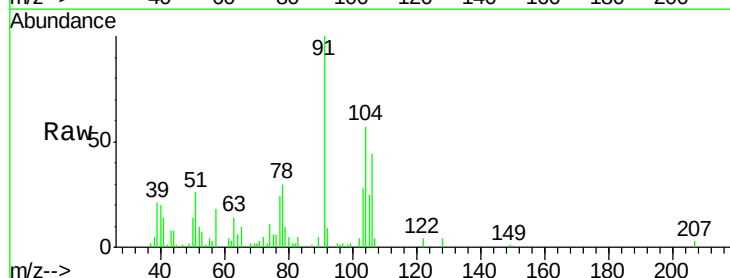
Instrument :
MSVOA_D
ClientSampled :
78-80

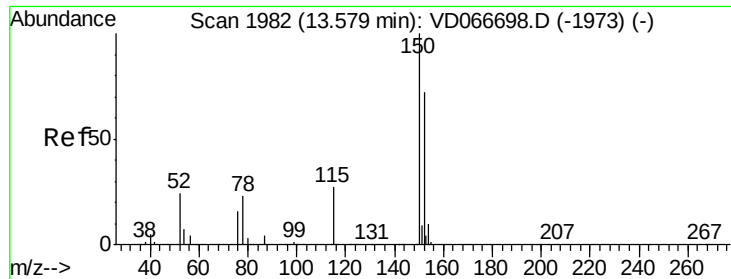
Tot Ion:106 Resp: 45462
Ion Ratio Lower Upper
106 100
91 225.6 109.4 328.2



#70
Styrene
Concen: 1.099 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066743.D
Acq: 17 Sep 2020 14:37

Tgt Ion:104 Resp: 16398
Ion Ratio Lower Upper
104 100
78 87.9 40.2 60.4#
103 79.7 42.5 63.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066743.D

Acq: 17 Sep 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

78-80

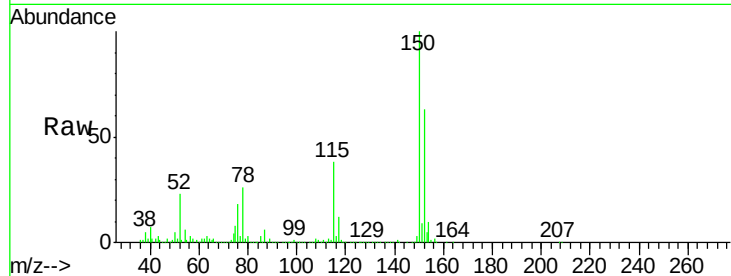
Tot Ion:152 Resp: 295342

Ion Ratio Lower Upper

152 100

115 62.0 30.5 91.5

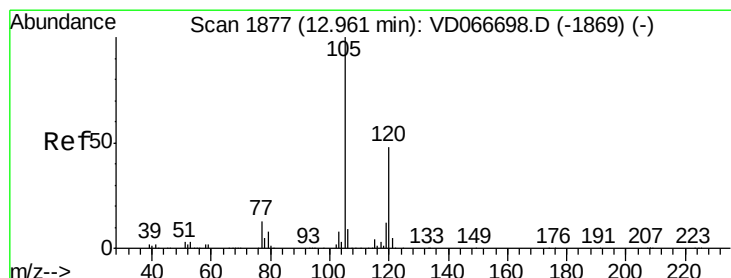
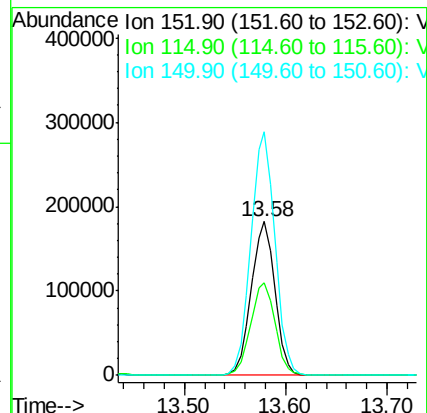
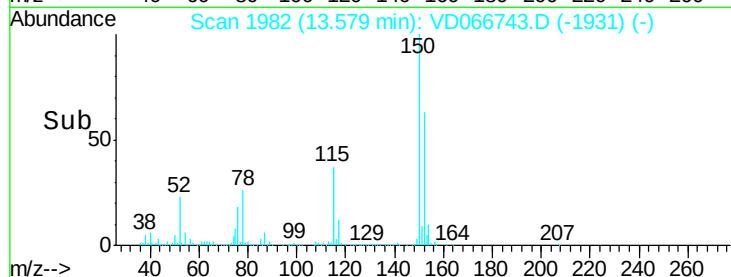
150 160.6 0.0 344.6



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



#80

1,3,5-Trimethylbenzene

Concen: 1.402 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066743.D

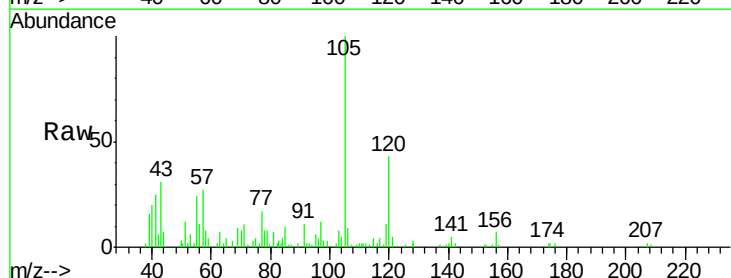
Acq: 17 Sep 2020 14:37

Tgt Ion:105 Resp: 26136

Ion Ratio Lower Upper

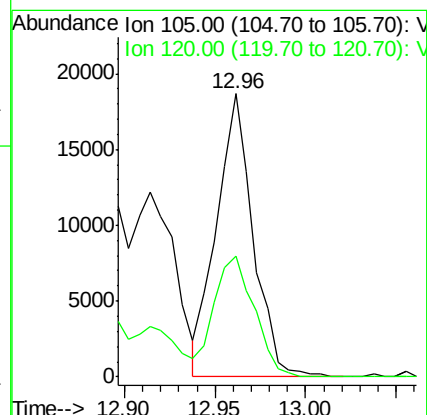
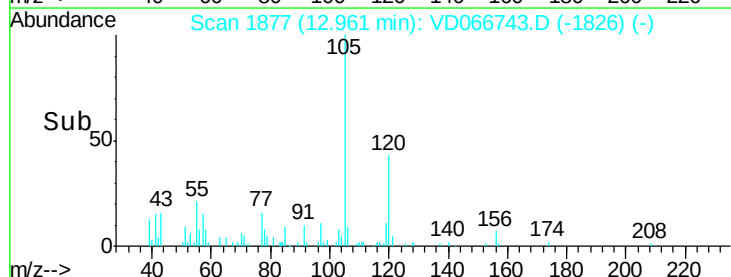
105 100

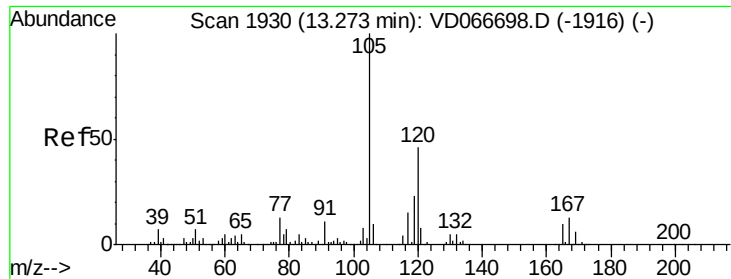
120 47.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

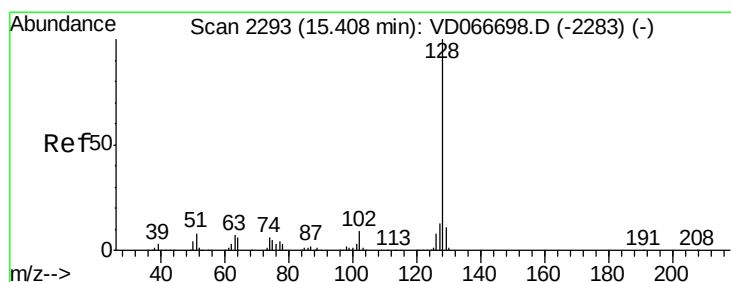
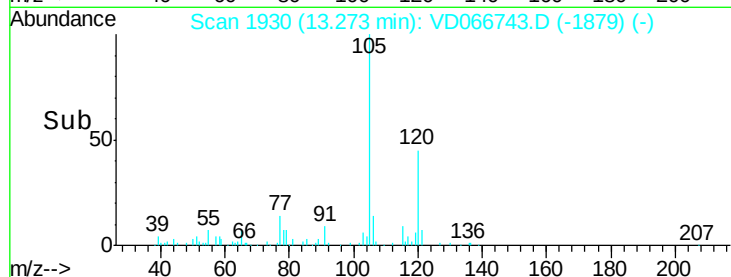
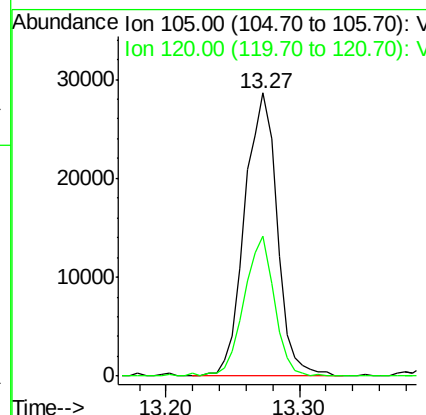
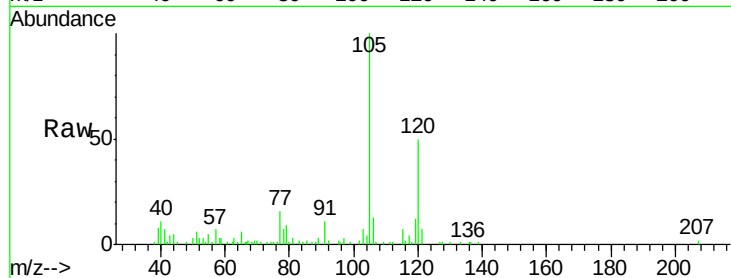




#84
 1,2,4-Trimethylbenzene
 Concen: 2.579 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066743.D
 Acq: 17 Sep 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 78-80

Tot Ion:105 Resp: 48041
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.4 67.2



#95
 Naphthalene
 Concen: 17.056 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VD066743.D
 Acq: 17 Sep 2020 14:37

Tgt Ion:128 Resp: 150566
 Ion Ratio Lower Upper
 128 100
 127 15.4 10.5 15.7
 129 13.6 8.6 12.8#

