

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072820\
 Data File : VD066079.D
 Acq On : 28 Jul 2020 16:02
 Operator : VA/SY
 Sample : L3473-07
 Misc : 7.84G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 29 01:35:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	281008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	436432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	461447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242168	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	118135	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
35) Dibromofluoromethane	7.91	113	135193	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
50) Toluene-d8	10.34	98	526582	53.40	ug/l	0.00
Spiked Amount			Recovery	=	106.80%	
62) 4-Bromofluorobenzene	12.64	95	214413	62.71	ug/l	0.00
Spiked Amount			Recovery	=	125.42%	

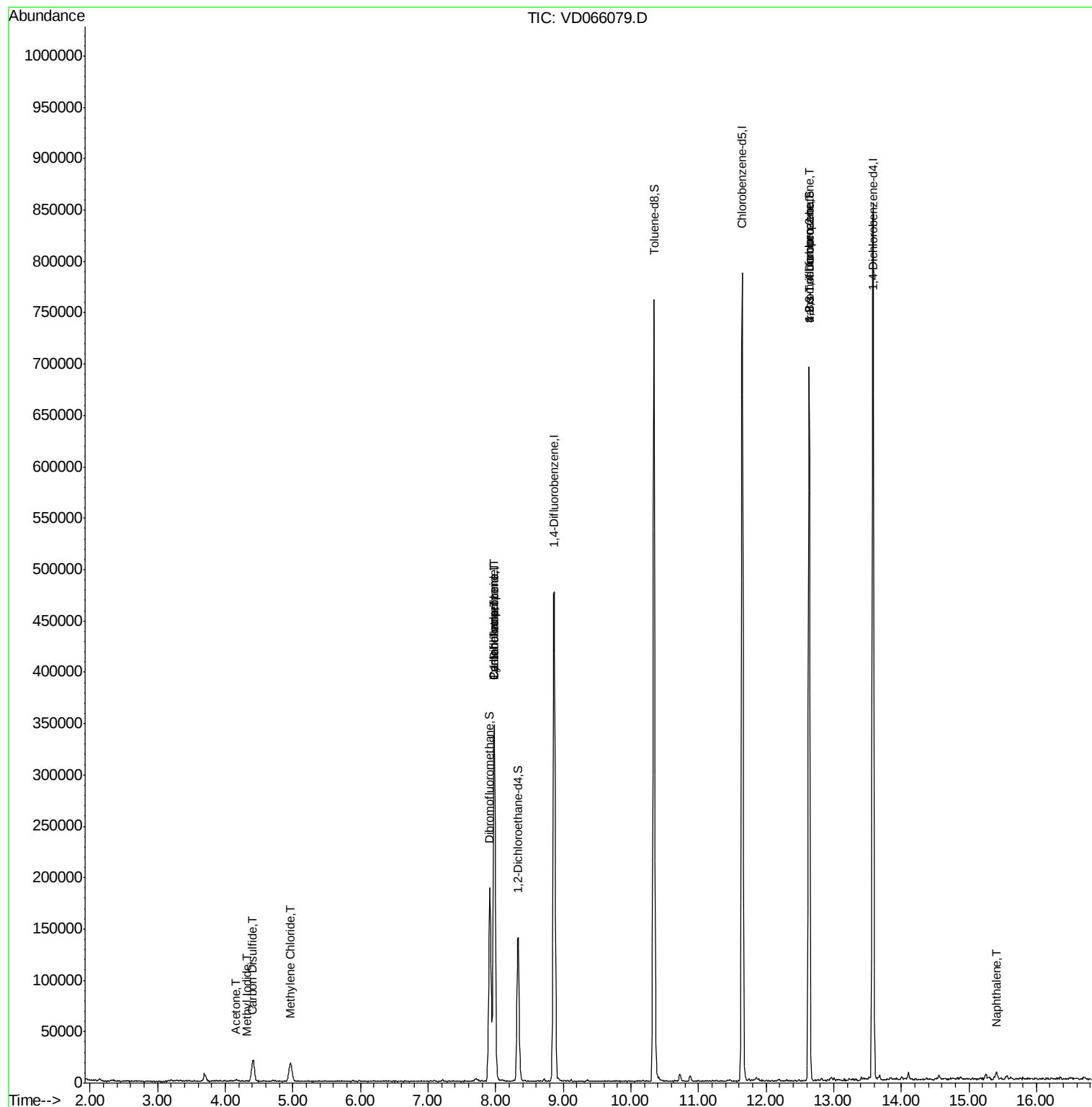
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	134	Below Cal	#	62
10) Methyl Iodide	4.32	142	313	8.917	ug/l #	68
16) Acetone	4.16	43	3501	7.564	ug/l #	68
17) Carbon Disulfide	4.41	76	47229	6.267	ug/l	99
20) Methylene Chloride	4.97	84	14284	2.781	ug/l	92
31) Cyclohexane	7.97	56	5419	1.318	ug/l #	21
36) 1,1-Dichloropropene	7.98	75	17915	4.810	ug/l #	50
38) Carbon Tetrachloride	7.98	117	25474	6.303	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	109236	59.908	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	109236	137.468	ug/l #	11
95) Naphthalene	15.41	128	7209	4.418	ug/l	99

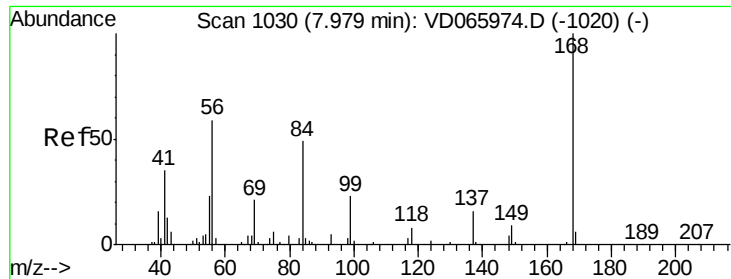
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 29 01:35:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066079.D

Acq: 28 Jul 2020 16:02

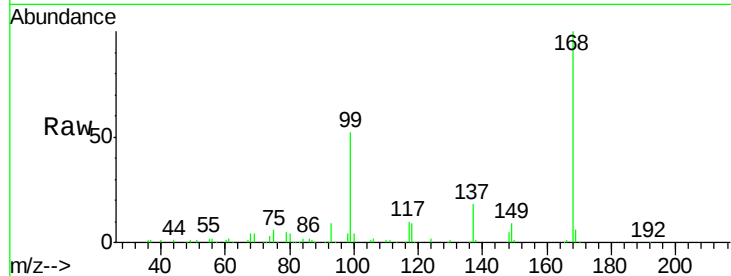
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 281008

Ion Ratio Lower Upper

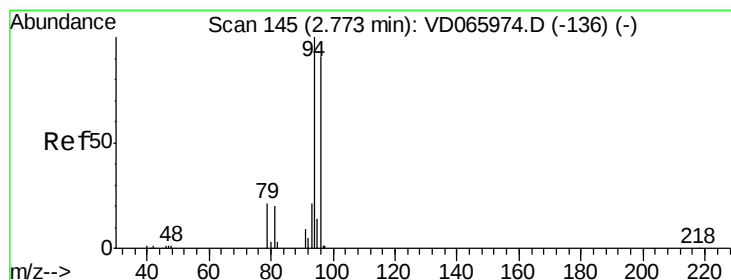
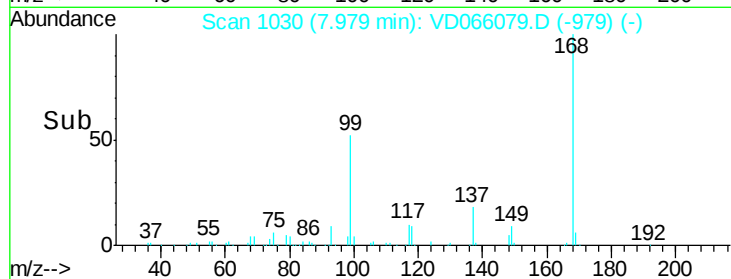
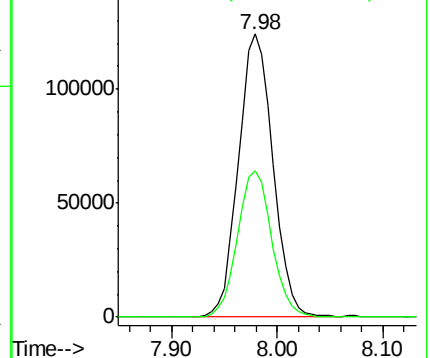
168 100

99 51.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066079.D

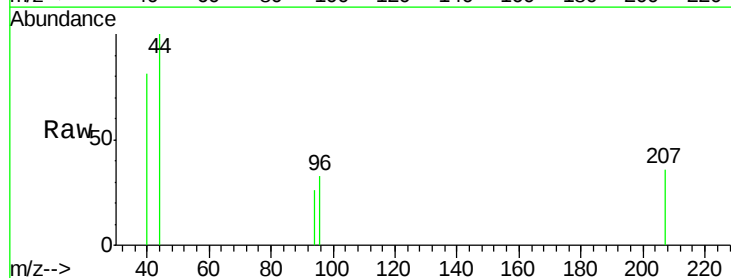
Acq: 28 Jul 2020 16:02

Tgt Ion: 94 Resp: 134

Ion Ratio Lower Upper

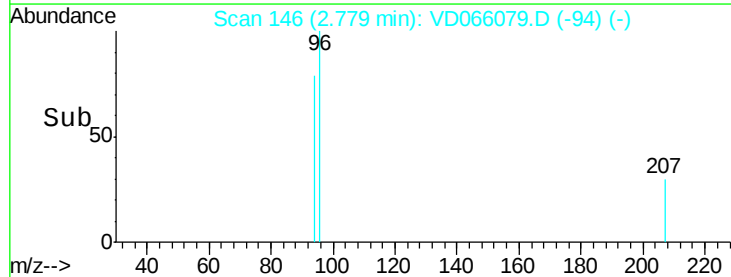
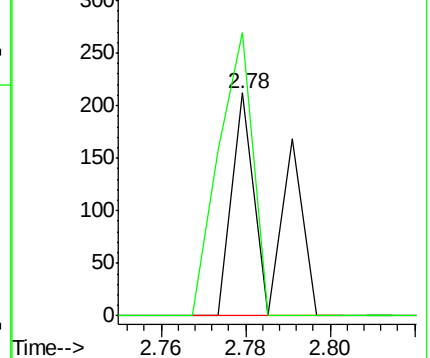
94 100

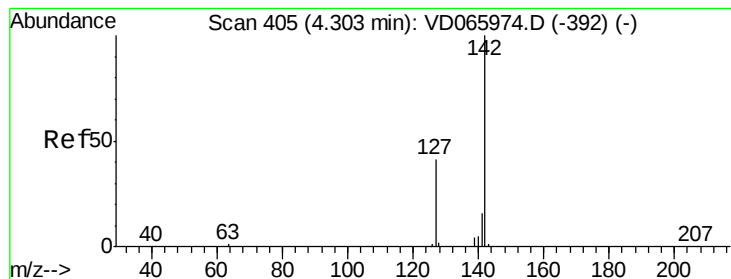
96 126.9 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#10

Methvl Iodide

Concen: 8.917 ug/l

RT: 4.32 min Scan# 408

Delta R.T. 0.02 min

Lab File: VD066079.D

Acq: 28 Jul 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :

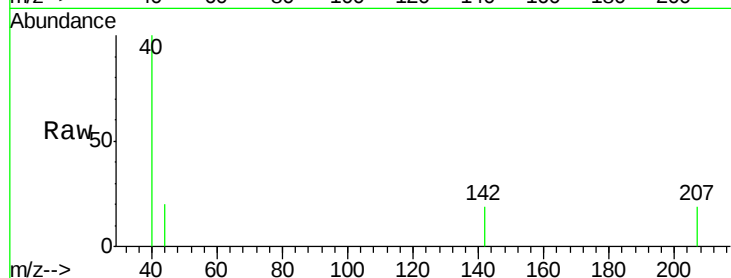
Tot Ion:142 Resp: 313

Ion Ratio Lower Upper

142 100

127 21.7 32.9 49.3#

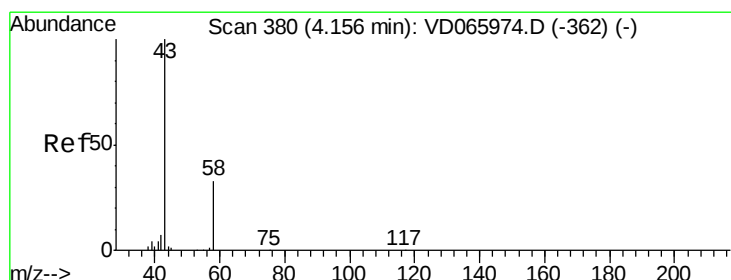
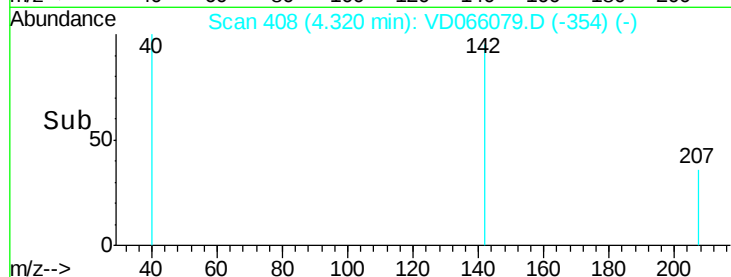
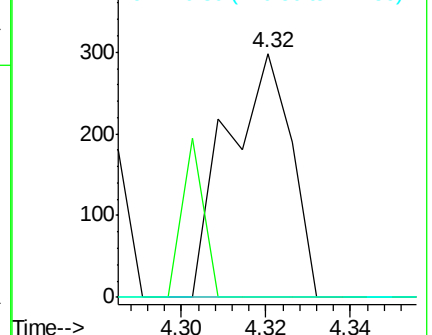
141 0.0 11.8 17.6#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#16

Acetone

Concen: 7.564 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066079.D

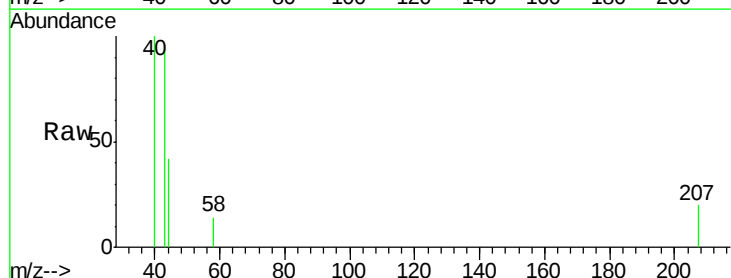
Acq: 28 Jul 2020 16:02

Tgt Ion: 43 Resp: 3501

Ion Ratio Lower Upper

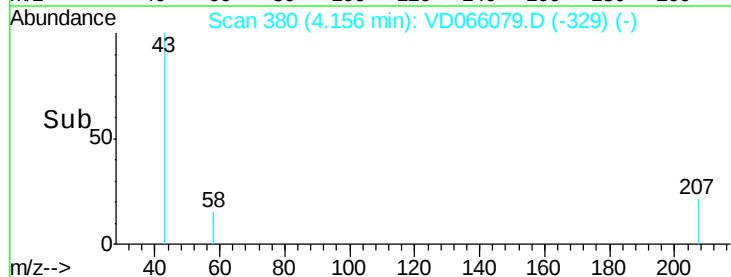
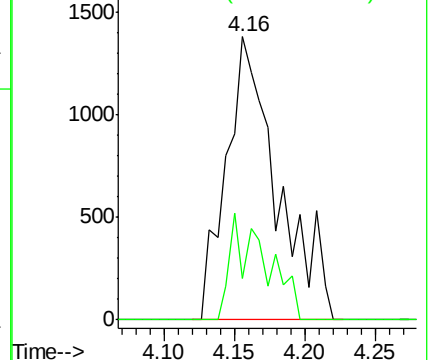
43 100

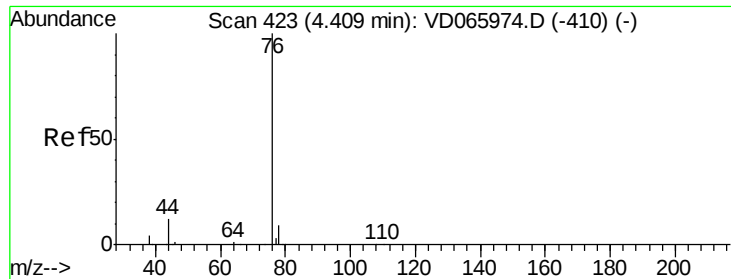
58 14.6 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

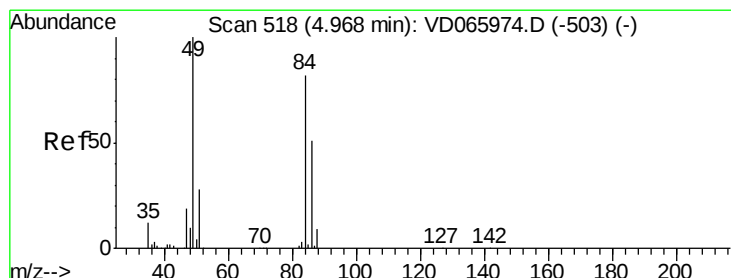
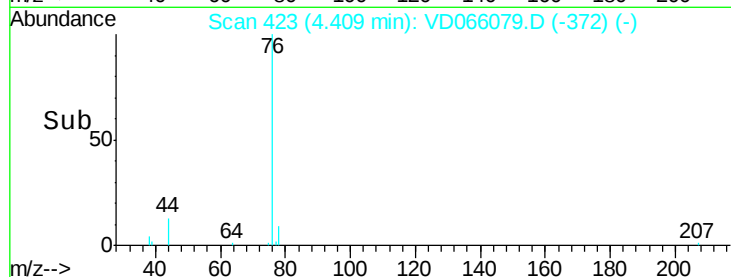
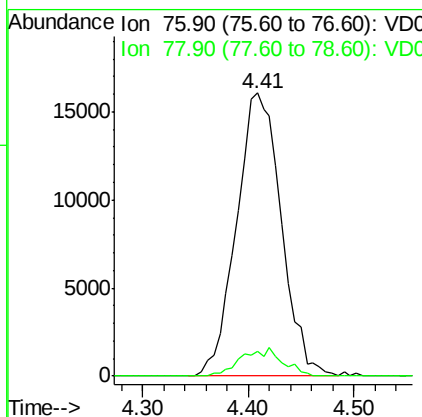
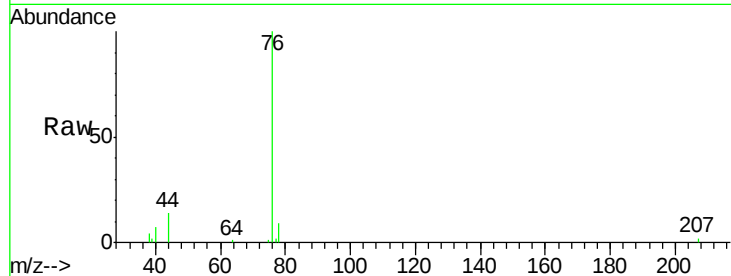




#17
Carbon Disulfide
Concen: 6.267 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066079.D
Acq: 28 Jul 2020 16:02

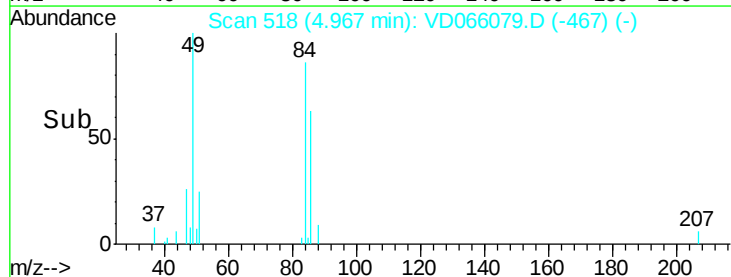
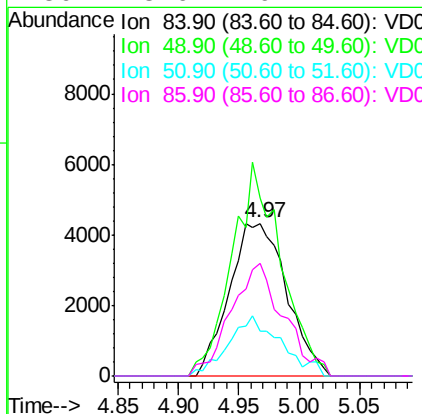
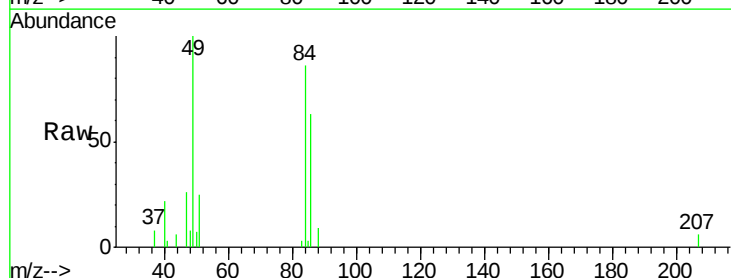
Instrument :
MSVOA_D
ClientSampleId :

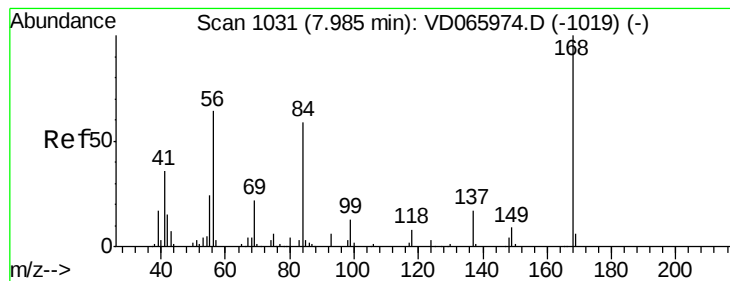
Tot Ion: 76 Resp: 47229
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#20
Methylene Chloride
Concen: 2.781 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066079.D
Acq: 28 Jul 2020 16:02

Tgt Ion: 84 Resp: 14284
Ion Ratio Lower Upper
84 100
49 116.7 97.7 146.5
51 29.0 27.4 41.2
86 73.6 49.4 74.2





#31

Cyclohexane

Concen: 1.318 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

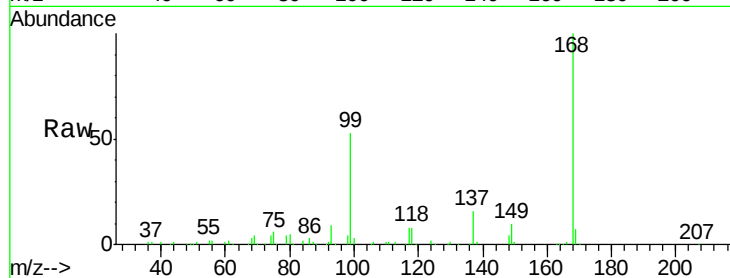
Lab File: VD066079.D

Acq: 28 Jul 2020 16:02

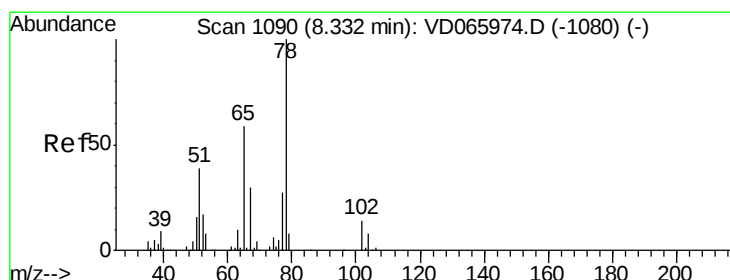
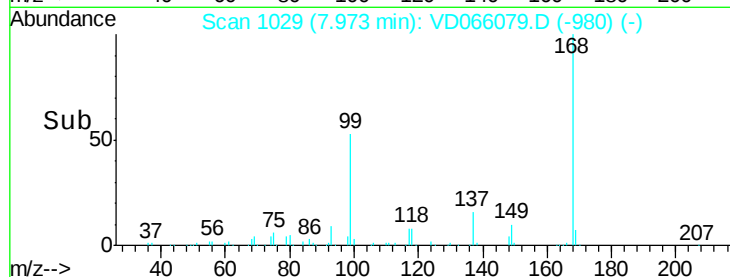
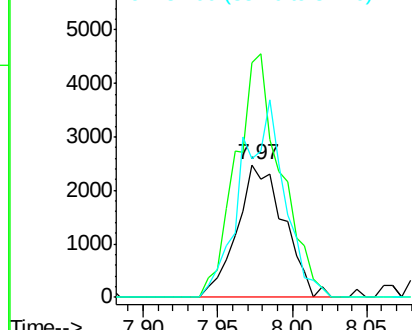
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 5419

Ion	Ratio	Lower	Upper
56	100		
69	176.9	28.0	42.0#
84	104.6	72.6	109.0



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 51.666 ug/l

RT: 8.33 min Scan# 1090

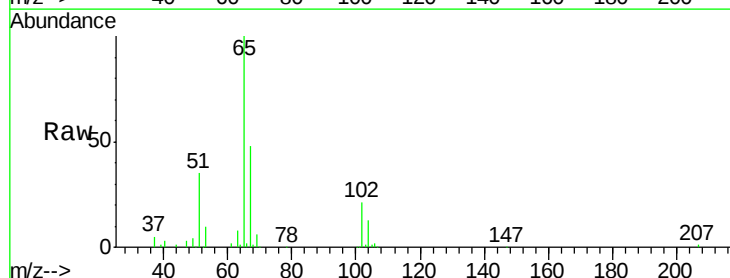
Delta R.T. -0.00 min

Lab File: VD066079.D

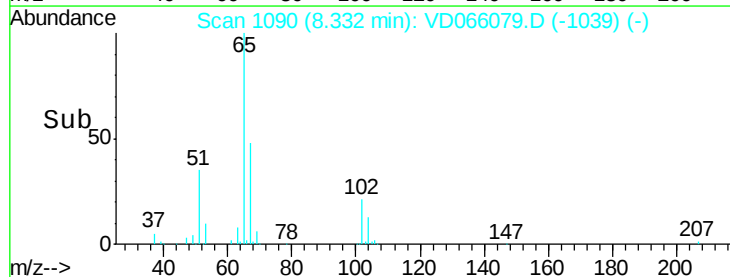
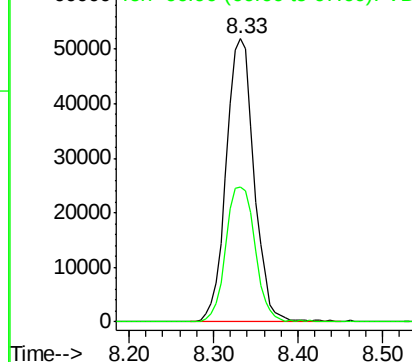
Acq: 28 Jul 2020 16:02

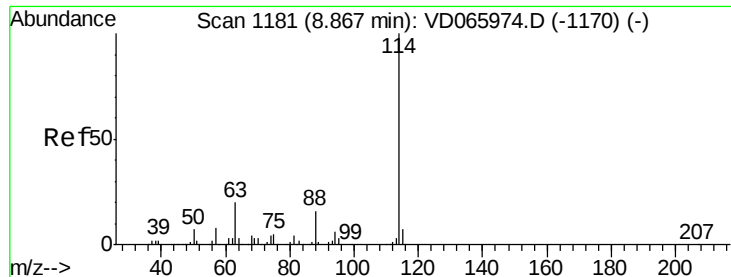
Tgt Ion: 65 Resp: 118135

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	105.0



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

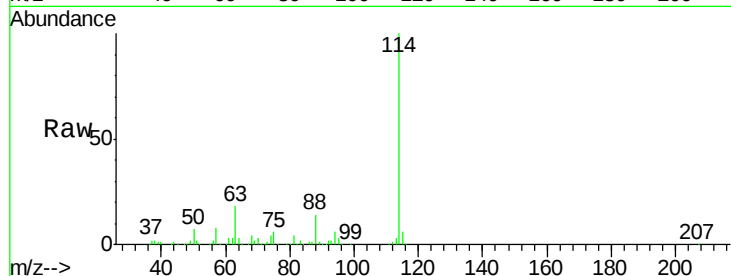




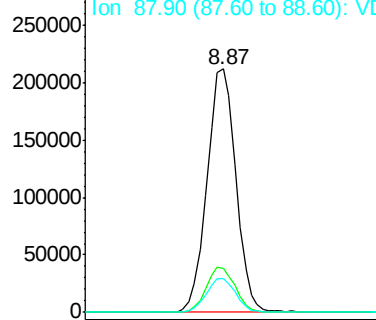
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD066079.D
Acq: 28 Jul 2020 16:02

Instrument :
MSVOA_D
ClientSampled :

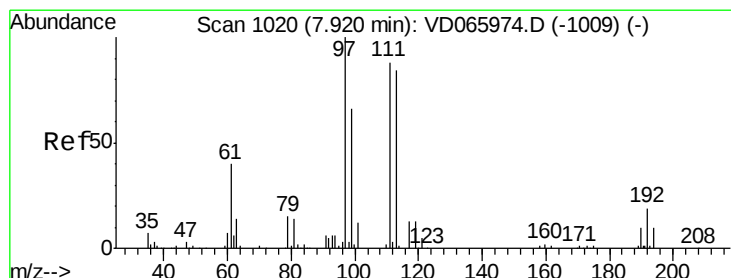
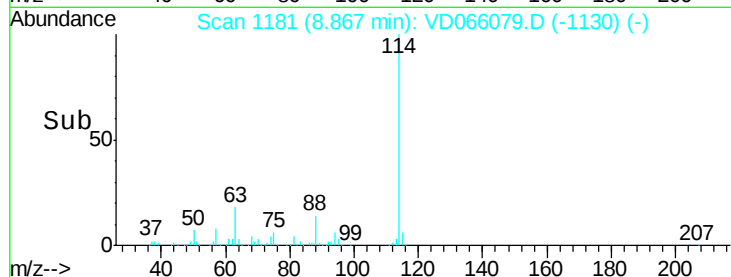
Tot Ion:114 Resp: 436432
Ion Ratio Lower Upper
114 100
63 18.3 0.0 39.6
88 14.1 0.0 31.2



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

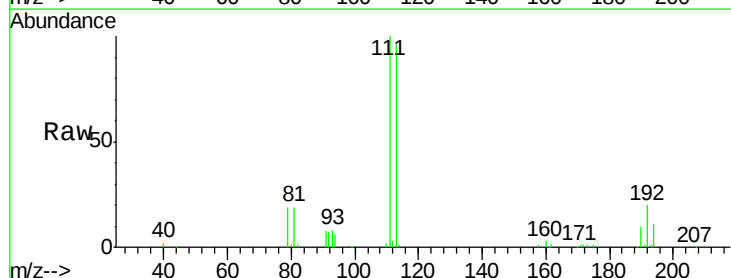


Time-->

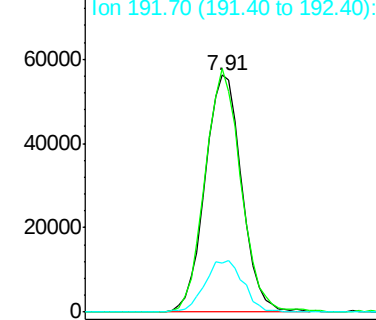


#35
Dibromofluoromethane
Concen: 51.072 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD066079.D
Acq: 28 Jul 2020 16:02

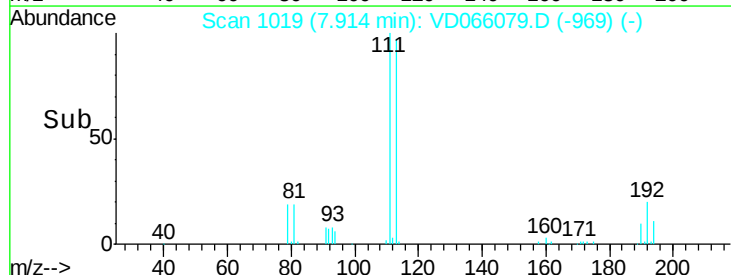
Tgt Ion:113 Resp: 135193
Ion Ratio Lower Upper
113 100
111 100.7 83.2 124.8
192 22.9 18.7 28.1

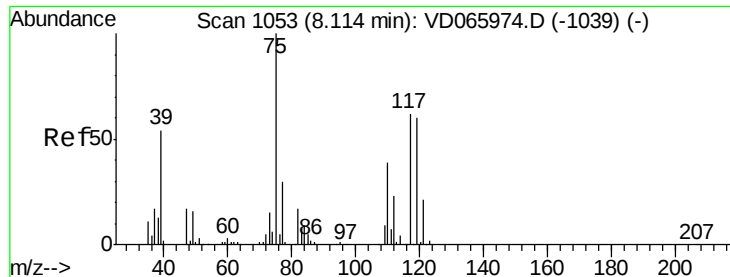


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



Time-->

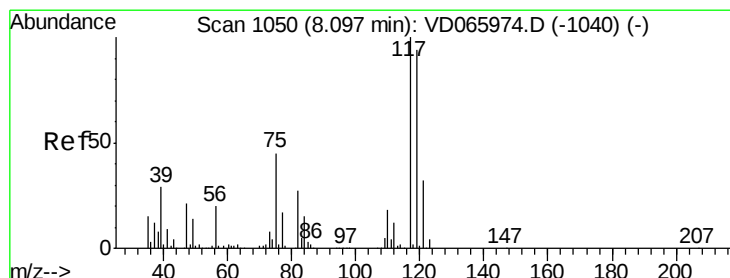
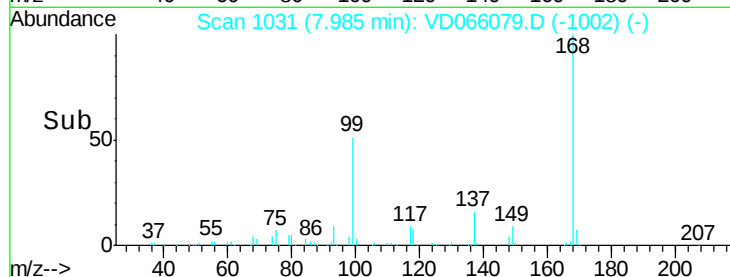
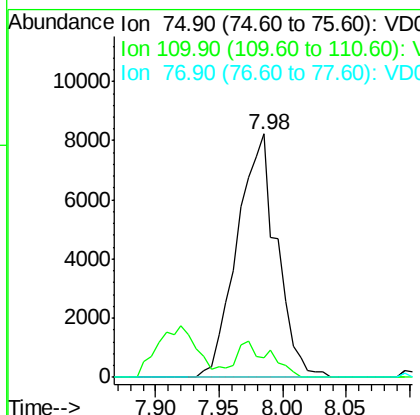
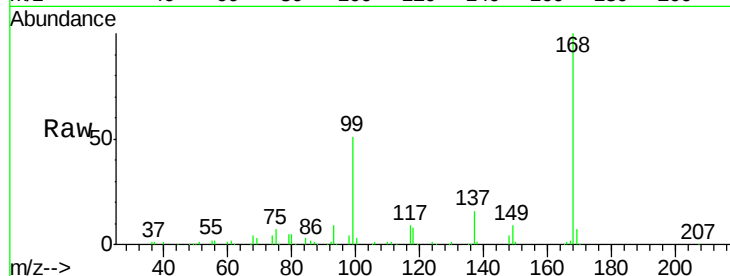




#36
 1,1-Dichloropropene
 Concen: 4.810 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD066079.D
 Acq: 28 Jul 2020 16:02

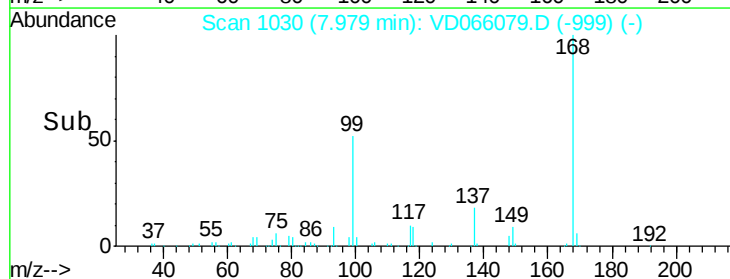
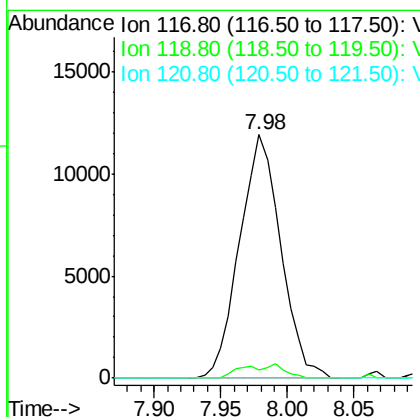
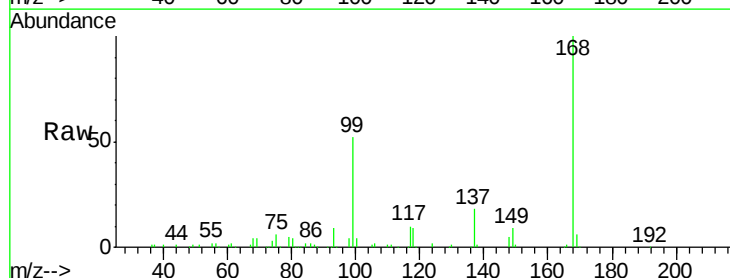
Instrument :
 MSVOA_D
 ClientSampled :

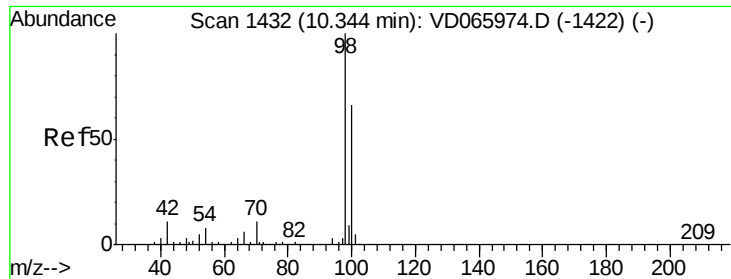
Tot Ion: 75 Resp: 17915
 Ion Ratio Lower Upper
 75 100
 110 11.9 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.303 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066079.D
 Acq: 28 Jul 2020 16:02

Tgt Ion: 117 Resp: 25474
 Ion Ratio Lower Upper
 117 100
 119 3.5 75.0 112.6#
 121 0.0 25.5 38.3#

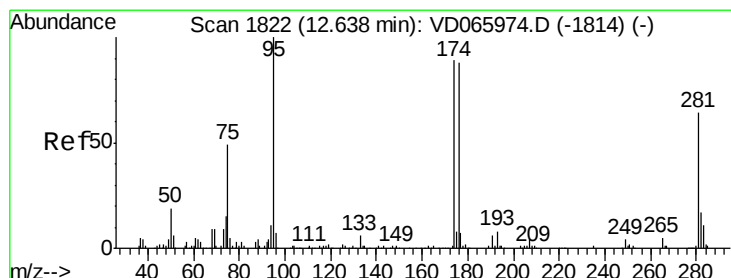
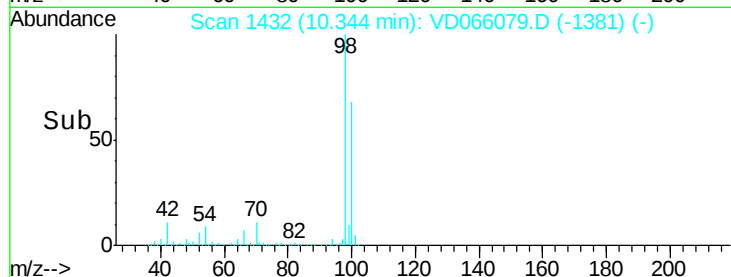
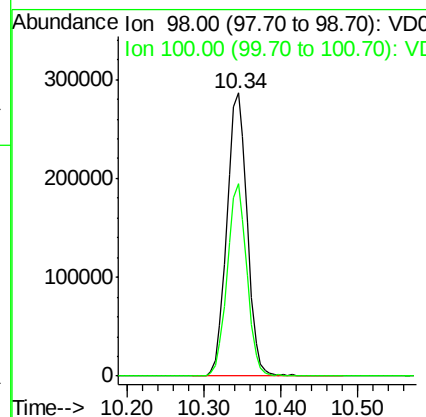
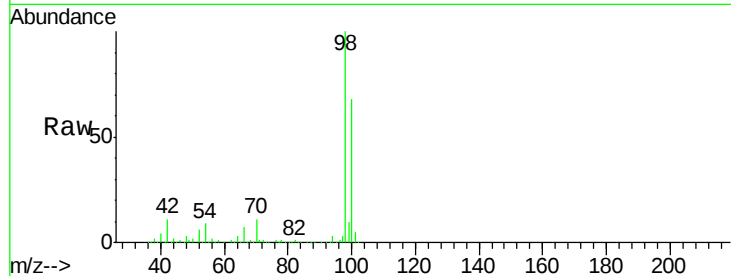




#50
Toluene-d8
Concen: 53.400 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066079.D
Acq: 28 Jul 2020 16:02

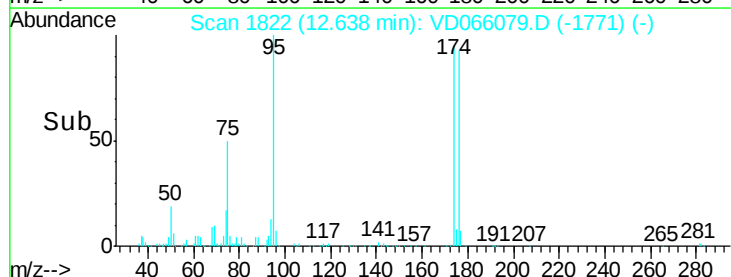
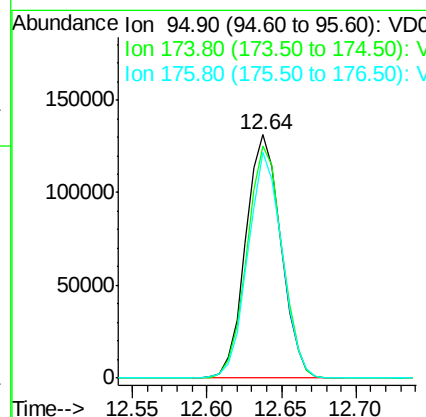
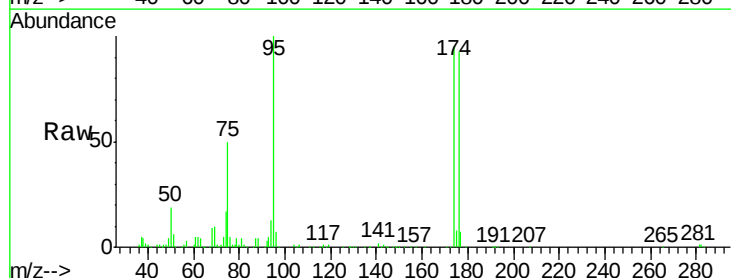
Instrument :
MSVOA_D
ClientSampleId :

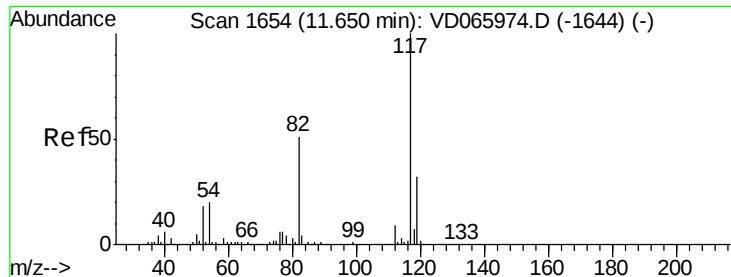
Tot Ion: 98 Resp: 526582
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 62.708 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066079.D
Acq: 28 Jul 2020 16:02

Tgt Ion: 95 Resp: 214413
Ion Ratio Lower Upper
95 100
174 95.1 0.0 178.8
176 89.8 0.0 172.6

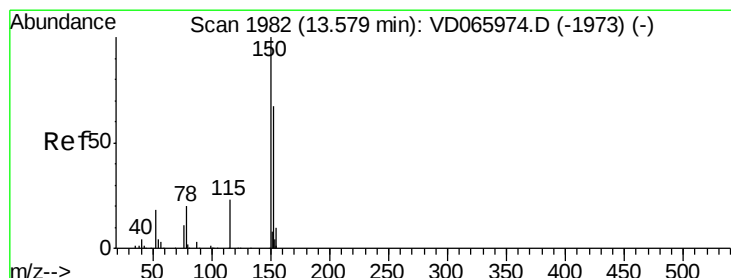
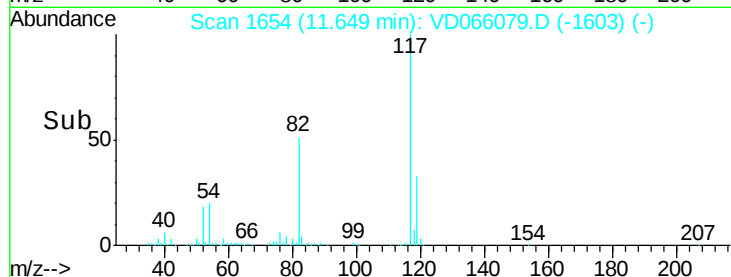
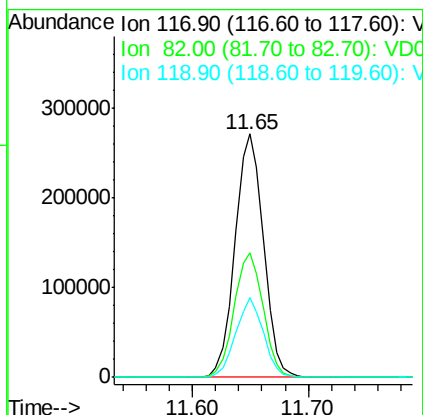
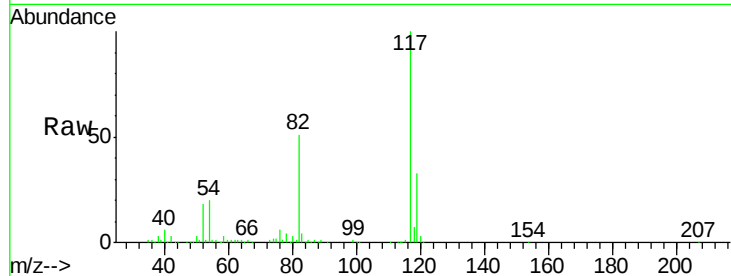




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066079.D
Acq: 28 Jul 2020 16:02

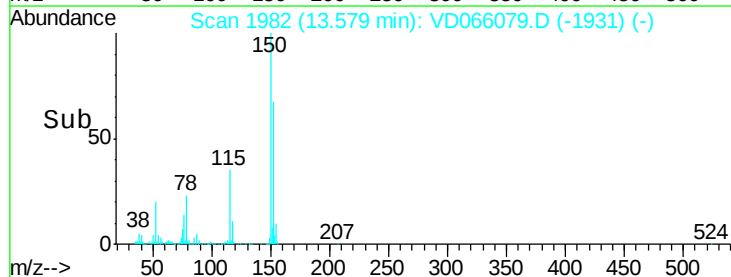
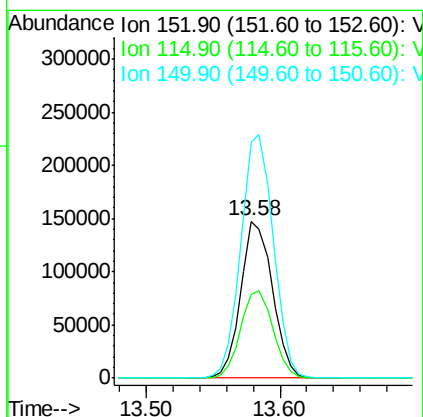
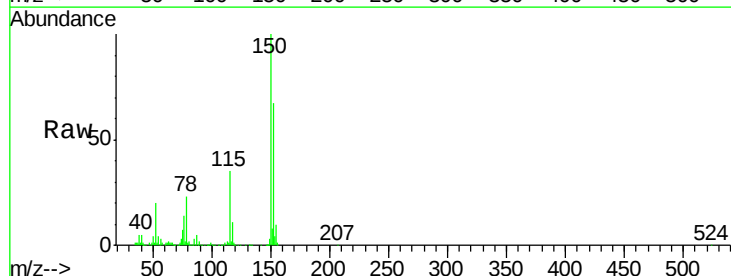
Instrument :
MSVOA_D
ClientSampleId :

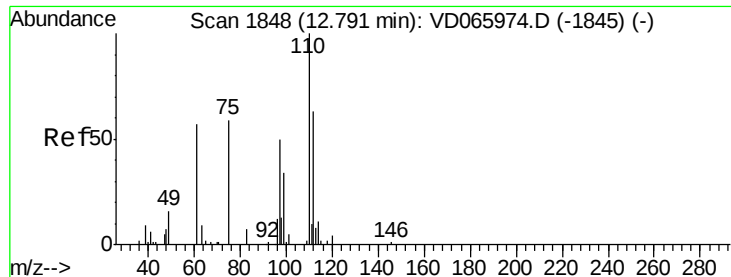
Tot Ion:117 Resp: 461447
Ion Ratio Lower Upper
117 100
82 51.1 41.1 61.7
119 32.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066079.D
Acq: 28 Jul 2020 16:02

Tgt Ion:152 Resp: 242168
Ion Ratio Lower Upper
152 100
115 56.6 27.9 83.7
150 159.1 0.0 348.2

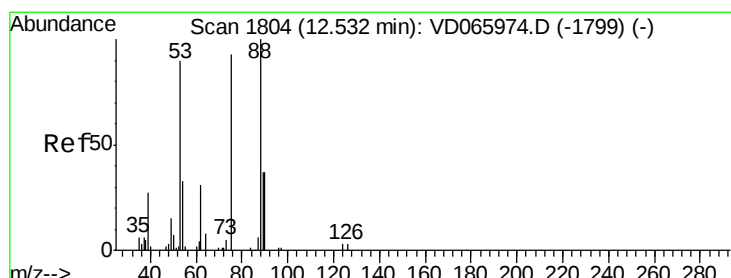
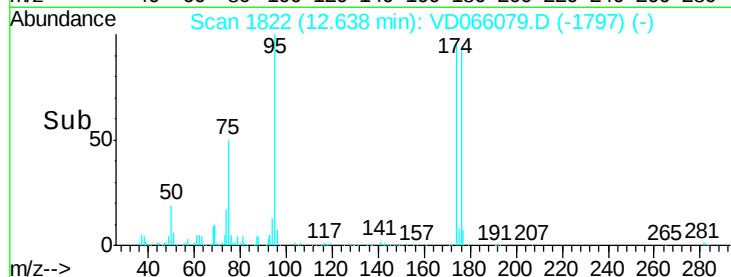
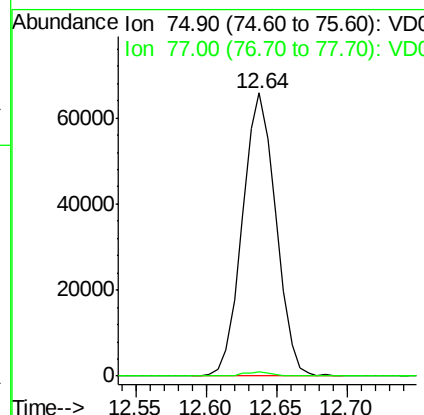
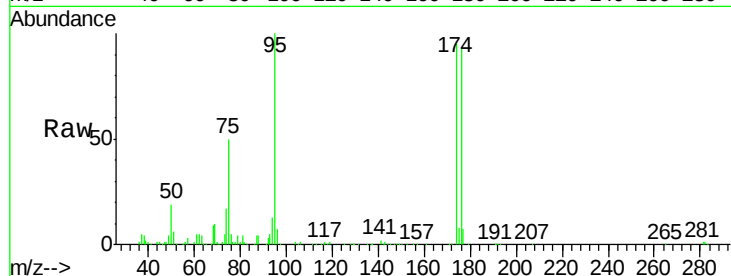




#76
 1,2,3-Trichloropropane
 Concen: 59.908 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066079.D
 Acq: 28 Jul 2020 16:02

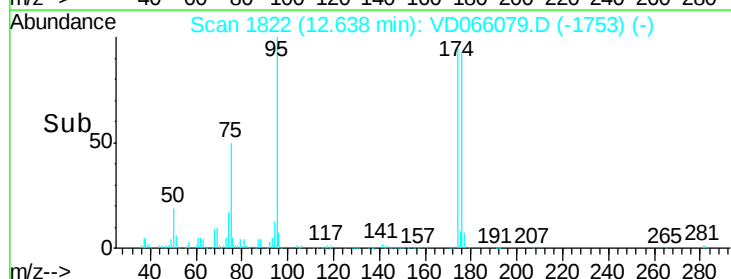
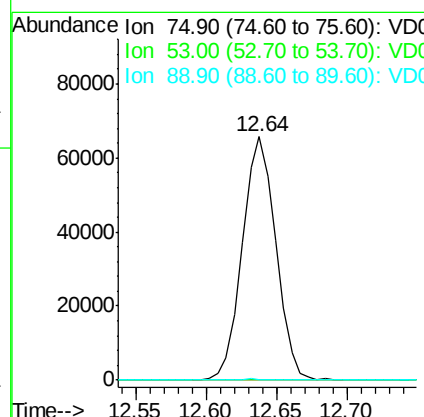
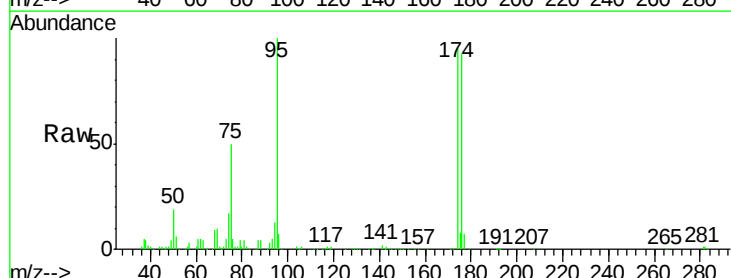
Instrument :
 MSVOA_D
 ClientSampleId :

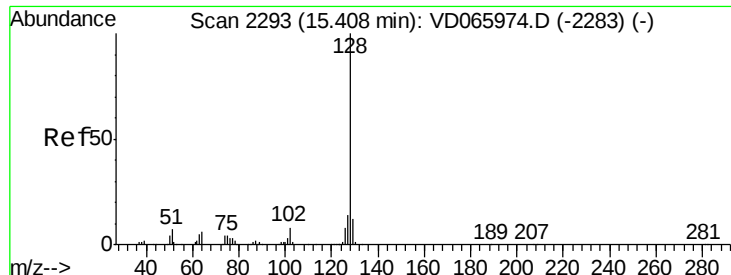
Tot Ion: 75 Resp: 109236
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.468 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066079.D
 Acq: 28 Jul 2020 16:02

Tgt Ion: 75 Resp: 109236
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.8 115.2#
 89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 4.418 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

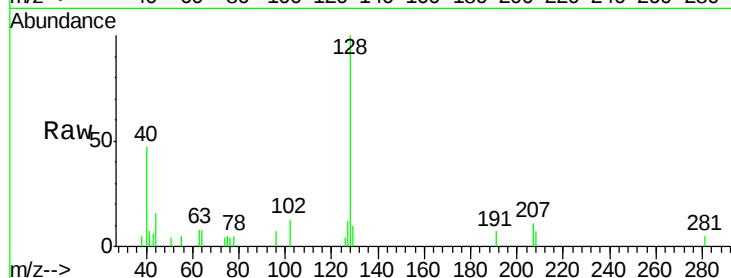
Lab File: VD066079.D

Acq: 28 Jul 2020 16:02

Instrument :

MSVOA_D

ClientSampleId :



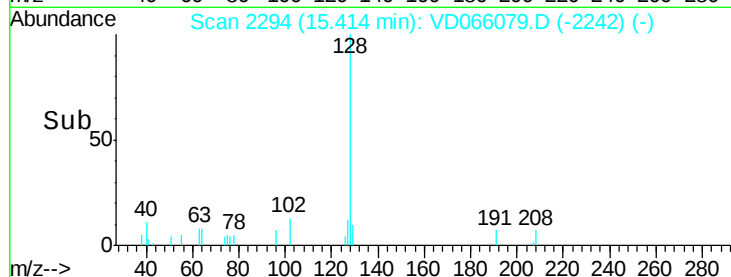
Tot Ion:128 Resp: 7209

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

129 12.0 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

