

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066032.D
 Acq On : 23 Jul 2020 18:47
 Operator : VA/SY
 Sample : L3372-02
 Misc : 7.29G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-011-ABCD

Quant Time: Jul 24 03:08:52 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	183864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	299394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	349196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	200822	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	95270	63.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.36%	
35) Dibromofluoromethane	7.91	113	95312	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
50) Toluene-d8	10.34	98	369950	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
62) 4-Bromofluorobenzene	12.64	95	170125	72.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.06%	

Target Compounds

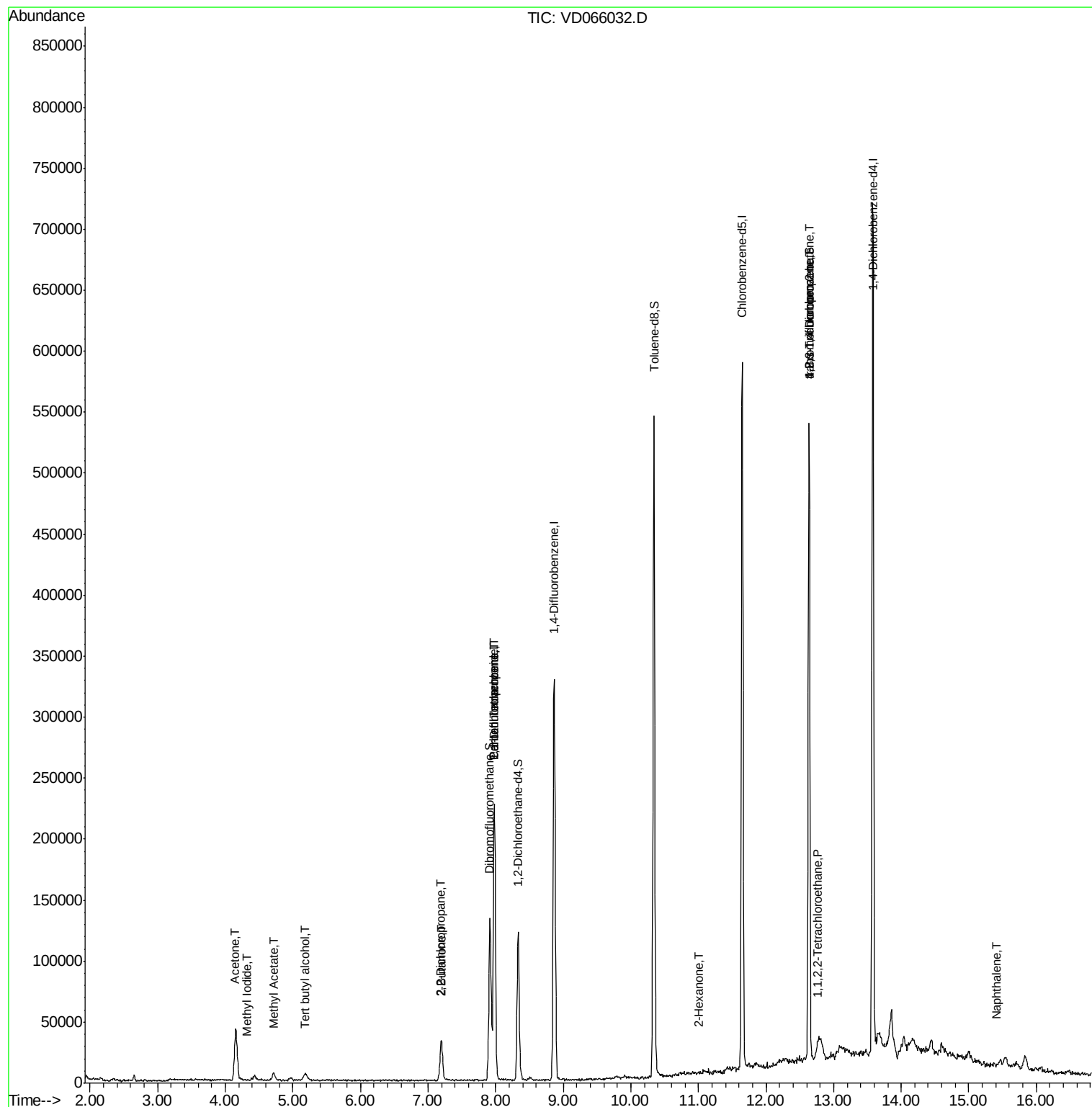
						Qvalue
5) Bromomethane	2.76	94	65	Below Cal	#	53
10) Methyl Iodide	4.31	142	167	8.898	ug/l #	84
11) Tert butyl alcohol	5.19	59	4239	20.088	ug/l #	83
16) Acetone	4.16	43	76895	253.923	ug/l	97
18) Methyl Acetate	4.71	43	11573	16.428	ug/l	98
20) Methylene Chloride	4.97	84	2016	Below Cal	#	72
25) 2-Butanone	7.20	43	2892	7.197	ug/l #	50
26) 2,2-Dichloropropane	7.19	77	2515	1.022	ug/l #	52
36) 1,1-Dichloropropene	7.99	75	12846	5.027	ug/l #	46
38) Carbon Tetrachloride	7.98	117	17371	6.265	ug/l #	18
59) 2-Hexanone	11.00	43	878	1.319	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	12.76	83	2843	1.416	ug/l #	31
76) 1,2,3-Trichloropropane	12.64	75	82728	54.711	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	82728	125.543	ug/l #	11
95) Naphthalene	15.41	128	1025	3.696	ug/l #	77

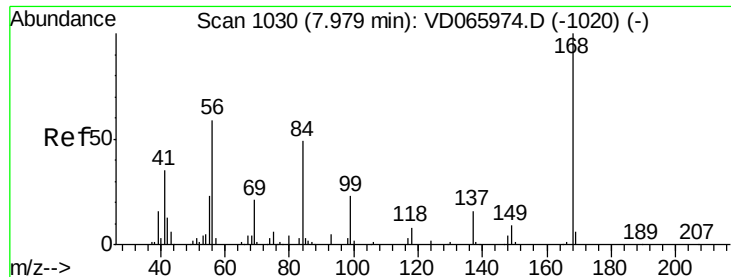
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066032.D
Acq On : 23 Jul 2020 18:47
Operator : VA/SY
Sample : L3372-02
Misc : 7.29G/5.00ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-011-ABCD

Quant Time: Jul 24 03:08:52 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: VD066032.D

Acq: 23 Jul 2020 18:47

Instrument :

MSVOA_D

ClientSampleId :

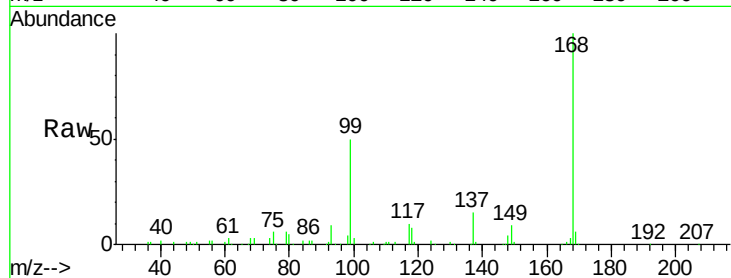
FK-BPM-04-011-ABCD

Tot Ion:168 Resp: 183864

Ion Ratio Lower Upper

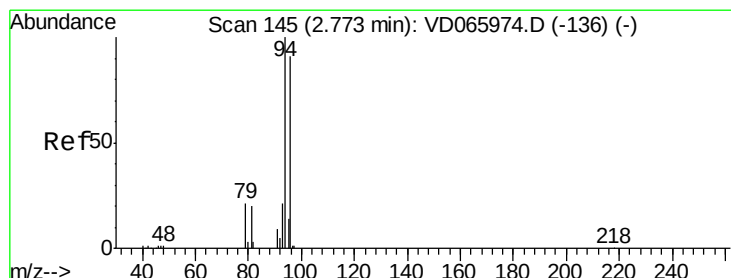
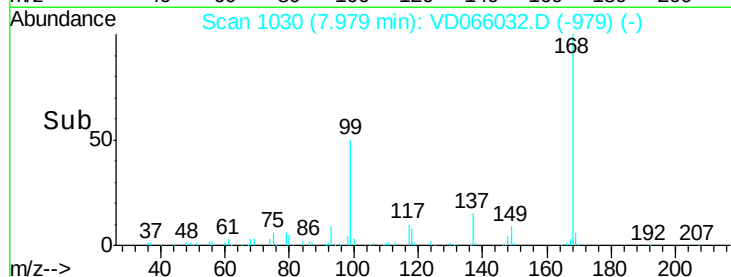
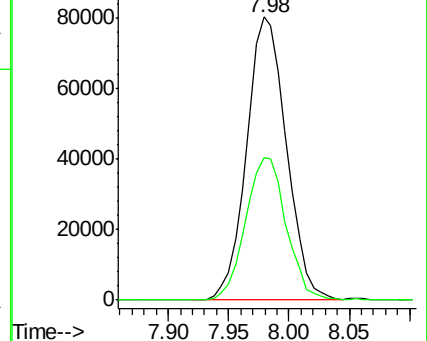
168 100

99 50.3 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: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD066032.D

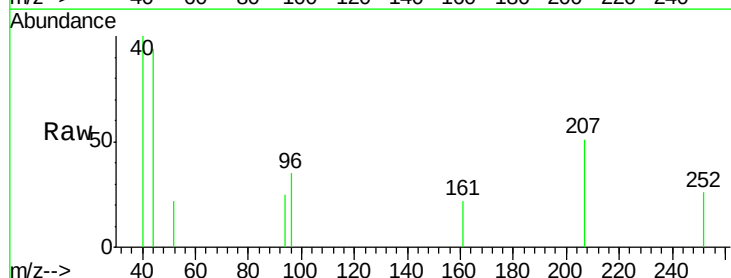
Acq: 23 Jul 2020 18:47

Tgt Ion: 94 Resp: 65

Ion Ratio Lower Upper

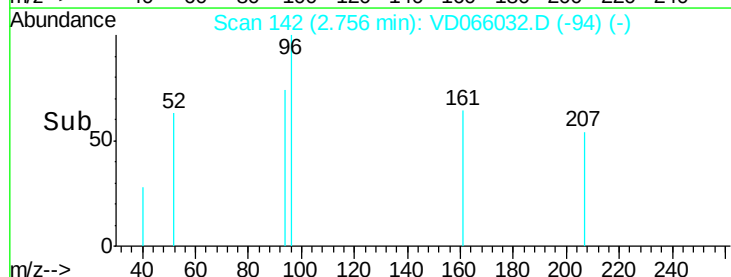
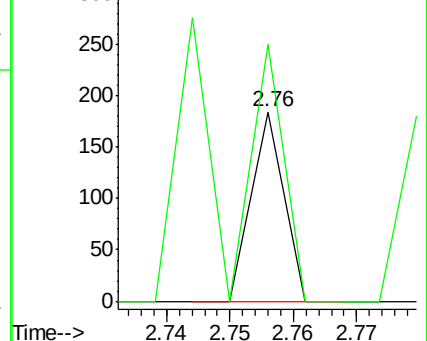
94 100

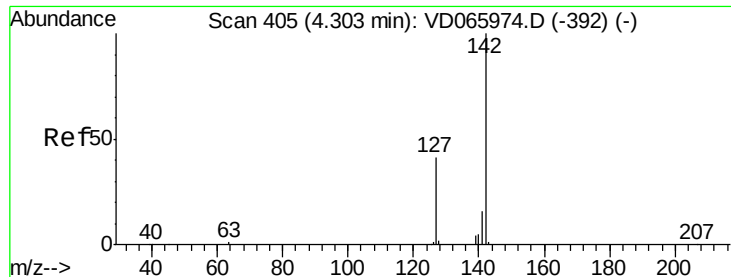
96 135.9 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

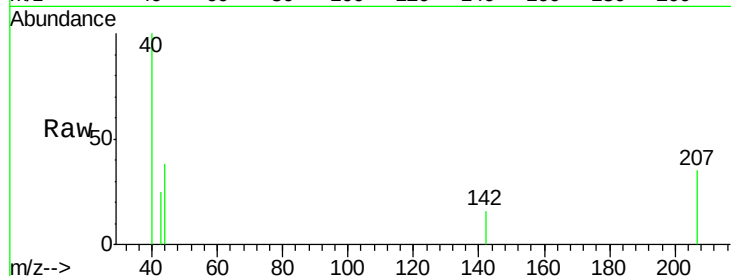




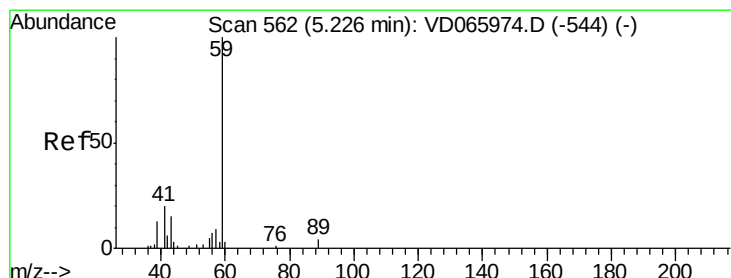
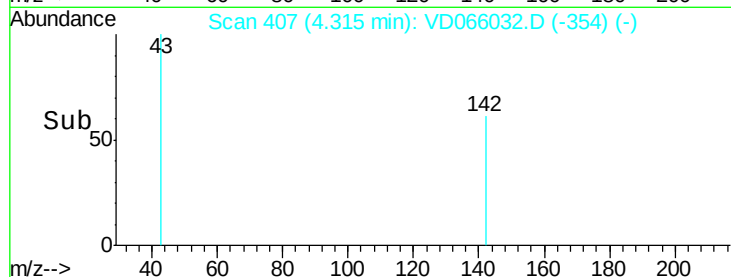
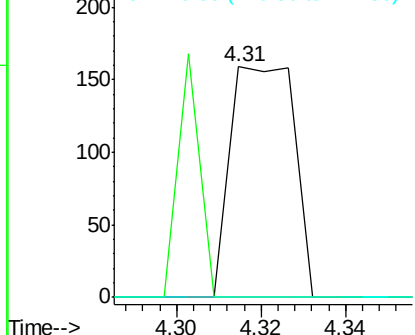
#10
Methyl Iodide
Concen: 8.898 ug/l
RT: 4.31 min Scan# 407
Delta R.T. 0.01 min
Lab File: VD066032.D
Acq: 23 Jul 2020 18:47

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-011-ABCD

Tot Ion:142 Resp: 167
Ion Ratio Lower Upper
142 100
127 35.3 32.9 49.3
141 0.0 11.8 17.6#

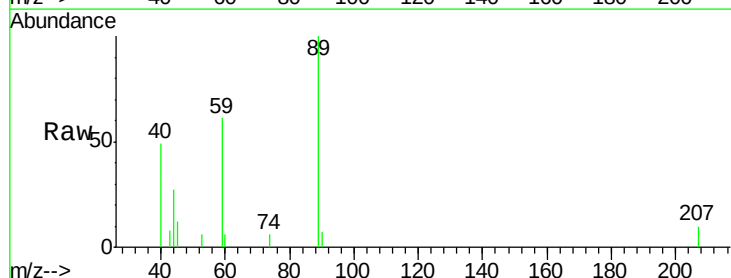


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

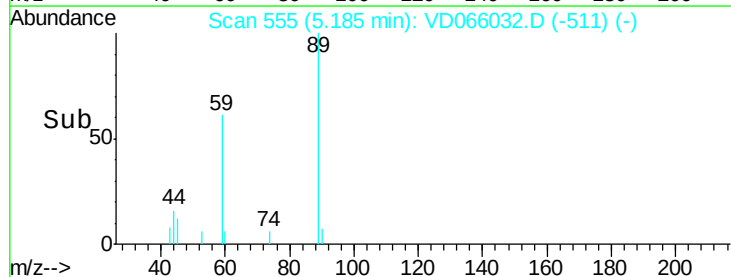
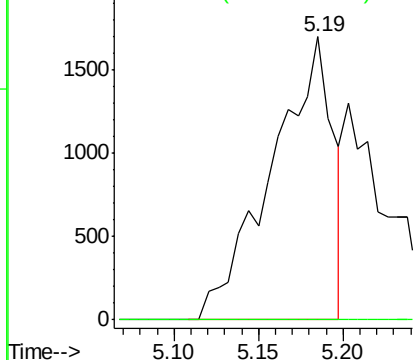


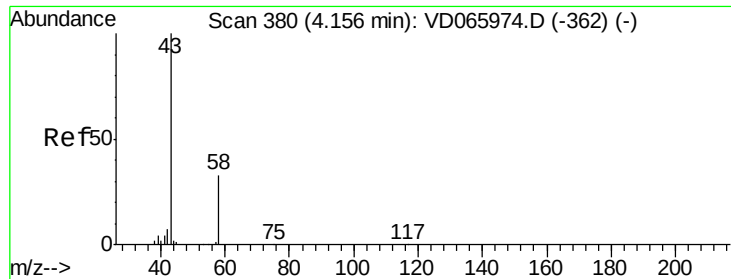
#11
Tert butyl alcohol
Concen: 20.088 ug/l
RT: 5.19 min Scan# 555
Delta R.T. -0.04 min
Lab File: VD066032.D
Acq: 23 Jul 2020 18:47

Tgt Ion: 59 Resp: 4239
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 253.923 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066032.D

Acq: 23 Jul 2020 18:47

Instrument :

MSVOA_D

ClientSampleId :

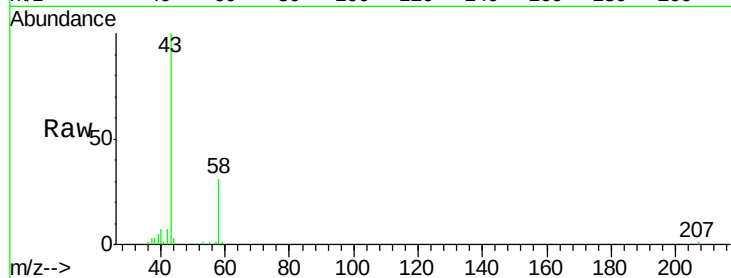
FK-BPM-04-011-ABCD

Tot Ion: 43 Resp: 76895

Ion Ratio Lower Upper

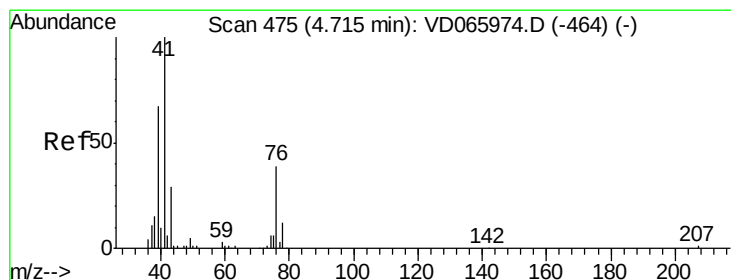
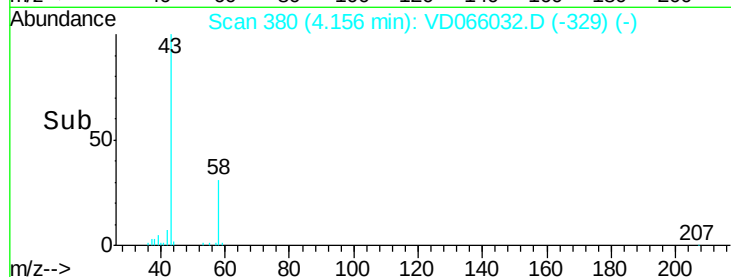
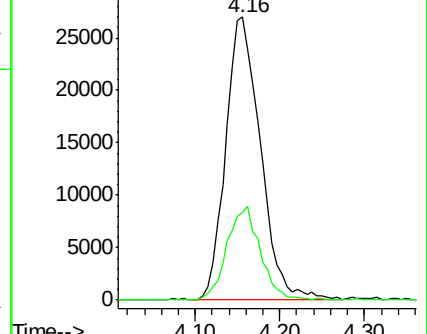
43 100

58 30.9 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: 16.428 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066032.D

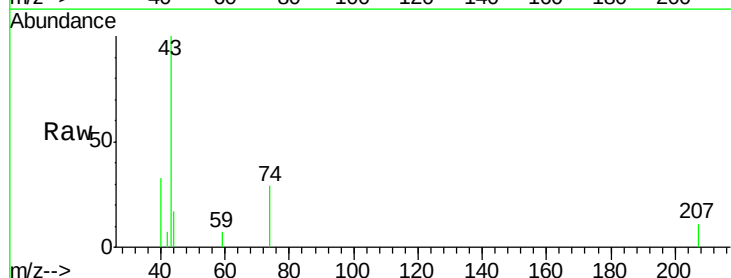
Acq: 23 Jul 2020 18:47

Tgt Ion: 43 Resp: 11573

Ion Ratio Lower Upper

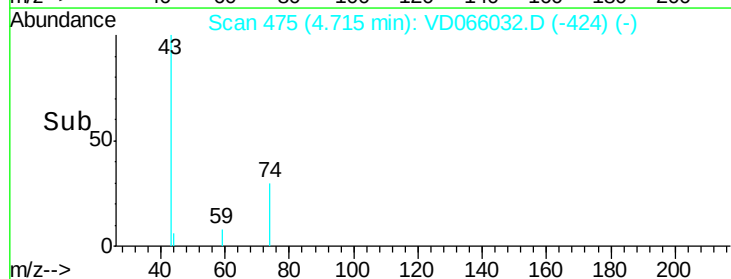
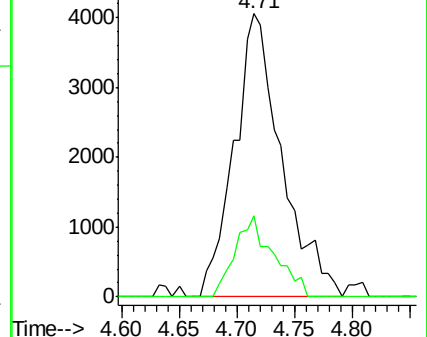
43 100

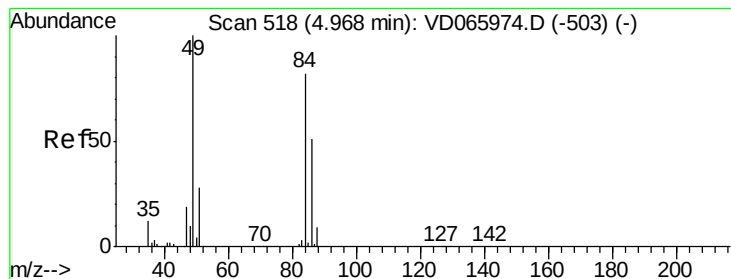
74 23.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



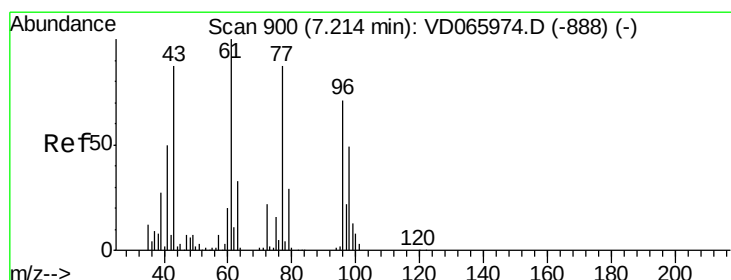
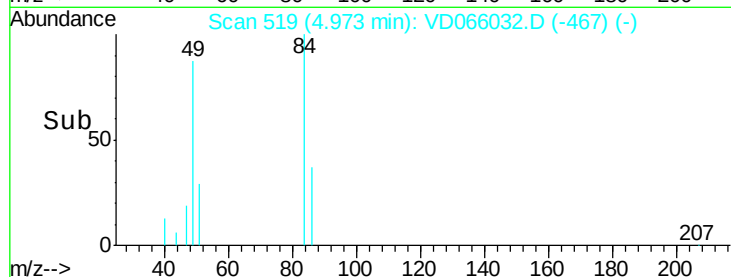
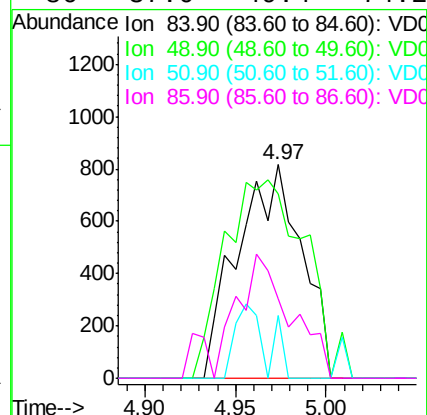
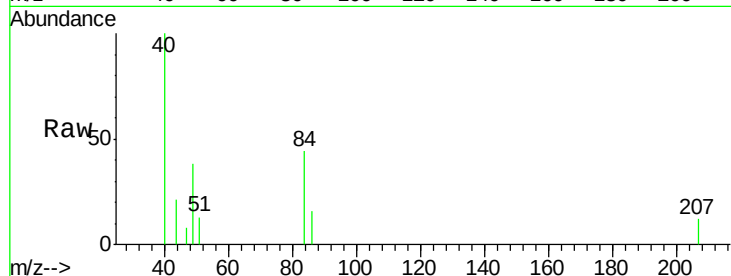


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.97 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VD066032.D
 Acq: 23 Jul 2020 18:47

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-011-ABCD

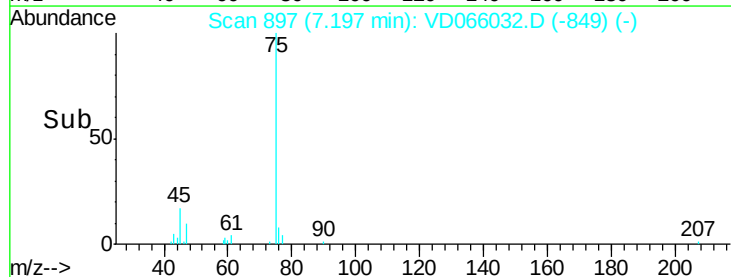
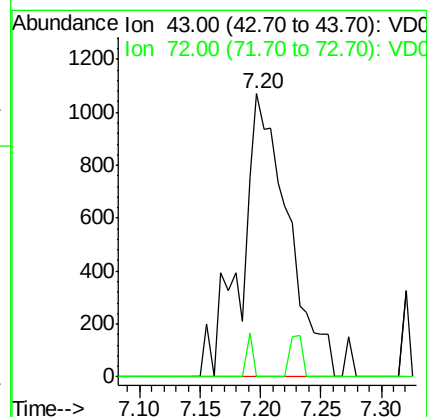
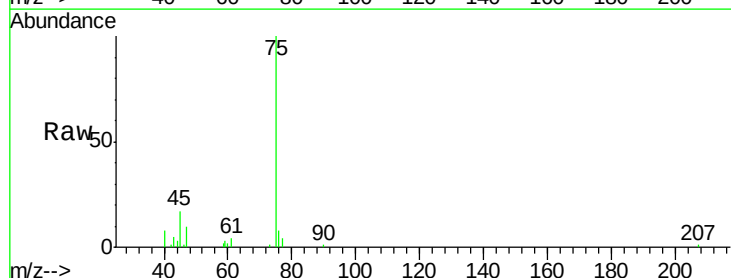
Tot Ion: 84 Resp: 2016
 Ion Ratio Lower Upper
 84 100
 49 86.6 97.7 146.5#
 51 29.2 27.4 41.2
 86 37.0 49.4 74.2#

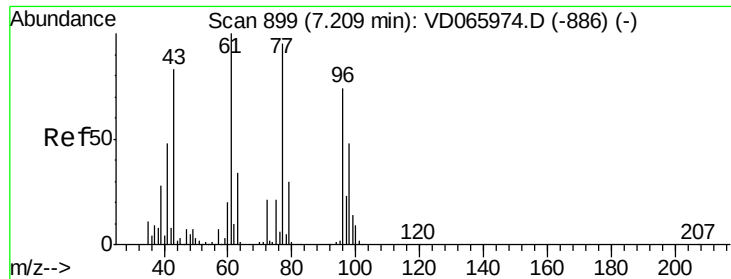


#25

2-Butanone
 Concen: 7.197 ug/l
 RT: 7.20 min Scan# 897
 Delta R.T. -0.02 min
 Lab File: VD066032.D
 Acq: 23 Jul 2020 18:47

Tgt Ion: 43 Resp: 2892
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.2 30.2#

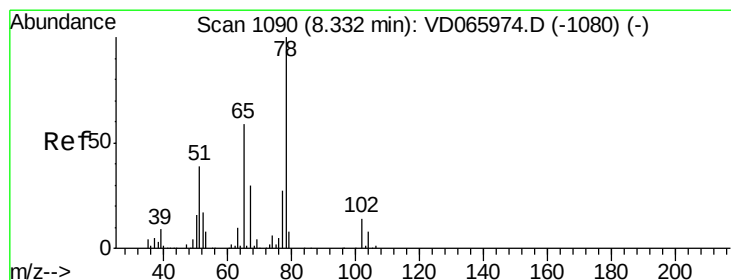
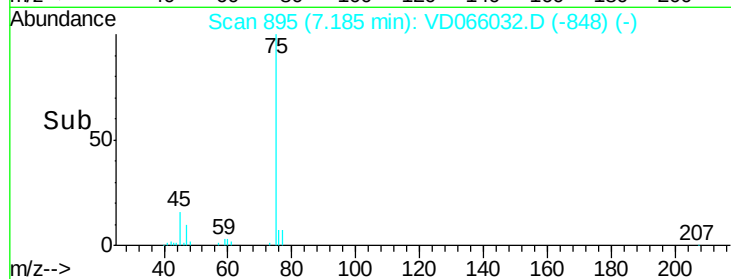
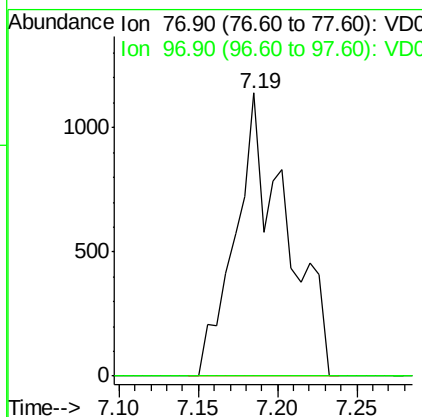
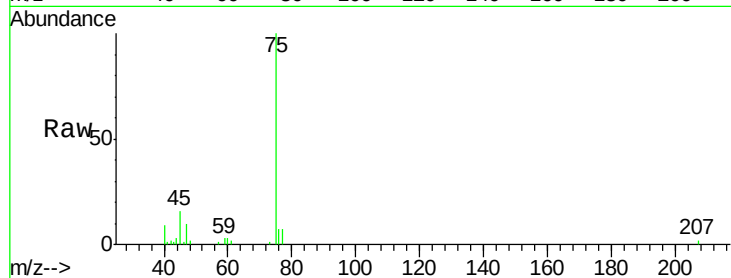




#26
 2,2-Dichloropropane
 Concen: 1.022 ug/l
 RT: 7.19 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: VD066032.D
 Acq: 23 Jul 2020 18:47

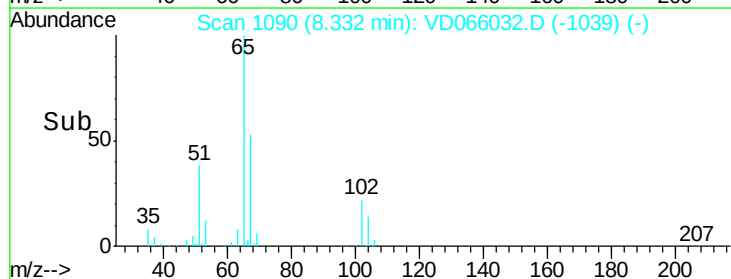
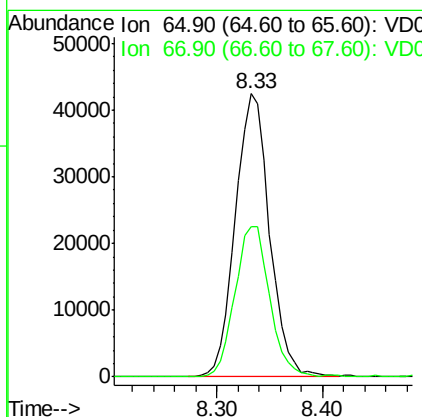
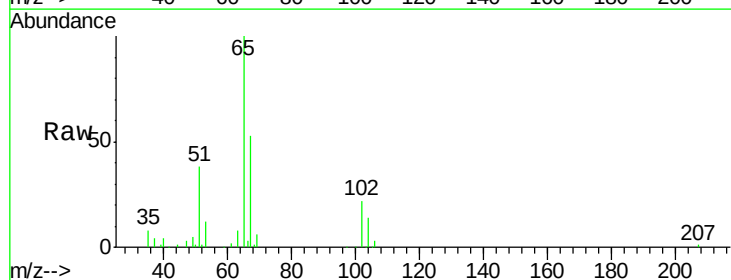
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-011-ABCD

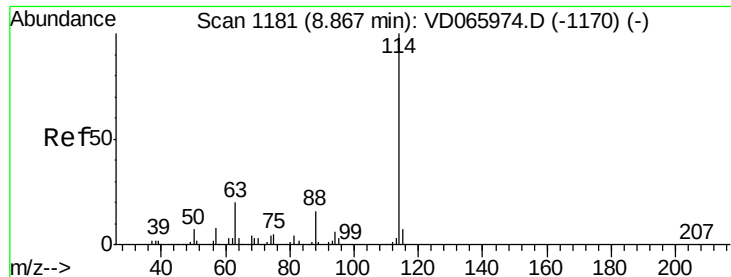
Tot Ion: 77 Resp: 2515
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.6 34.7#



#33
 1,2-Dichloroethane-d4
 Concen: 63.680 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066032.D
 Acq: 23 Jul 2020 18:47

Tgt Ion: 65 Resp: 95270
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 105.0

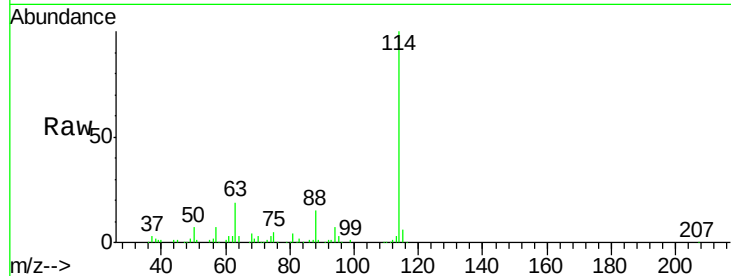




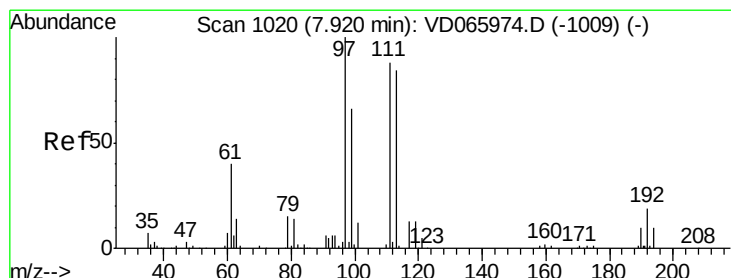
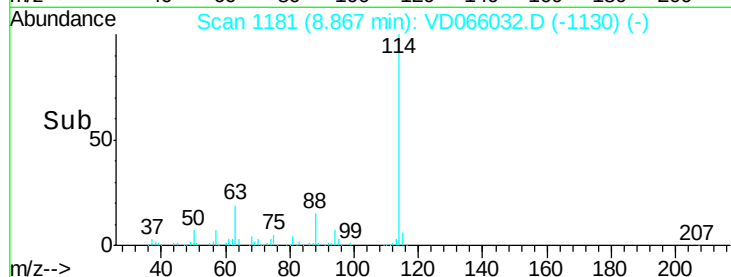
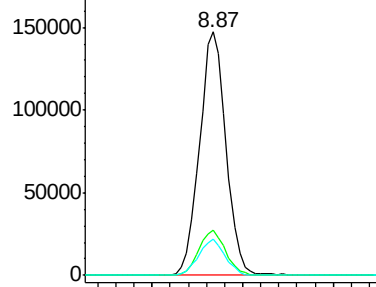
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD066032.D
 Acq: 23 Jul 2020 18:47

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-011-ABCD

Tot Ion:114	Resp:	299394
Ion Ratio	Lower	Upper
114 100		
63 18.6	0.0	39.6
88 14.7	0.0	31.2

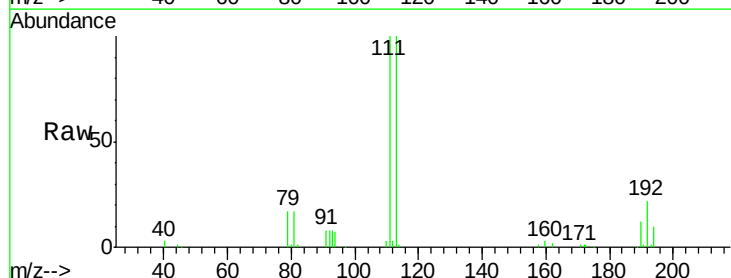


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

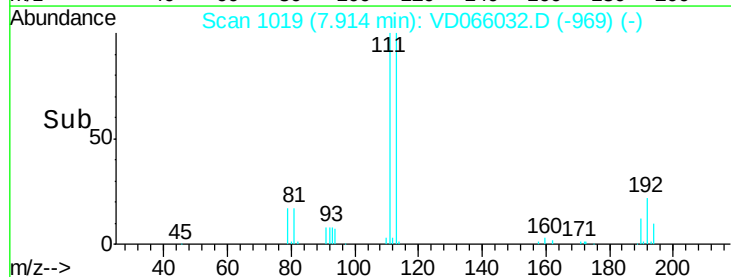
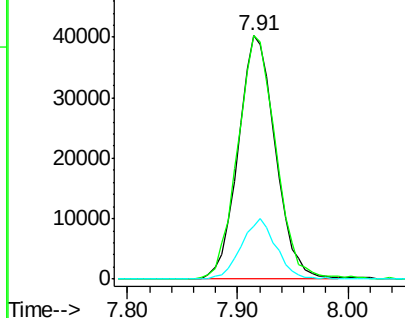


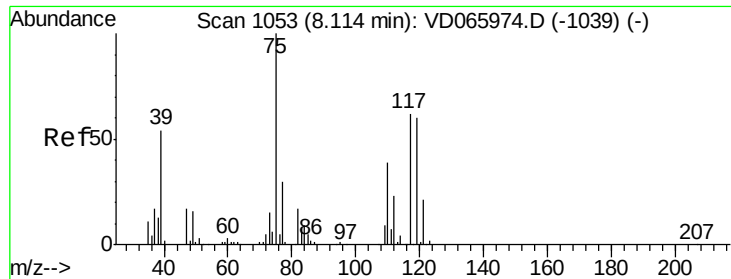
#35
 Dibromofluoromethane
 Concen: 52.487 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066032.D
 Acq: 23 Jul 2020 18:47

Tgt Ion:113	Resp:	95312
Ion Ratio	Lower	Upper
113 100		
111 102.7	83.2	124.8
192 23.2	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

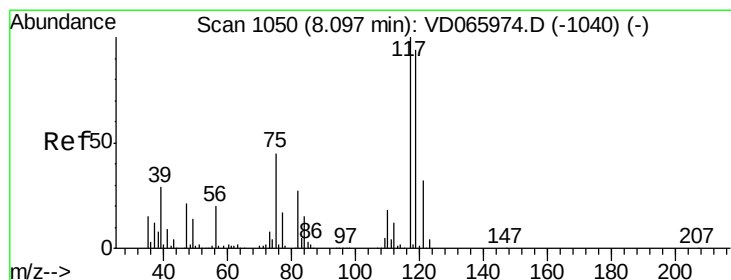
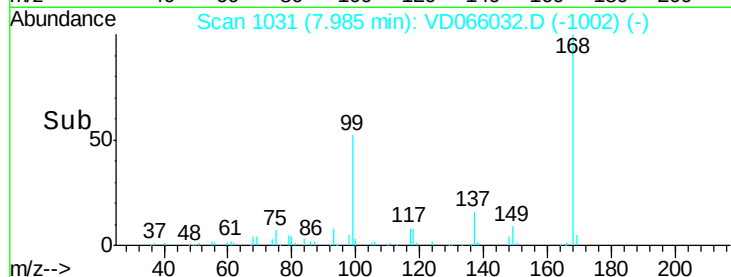
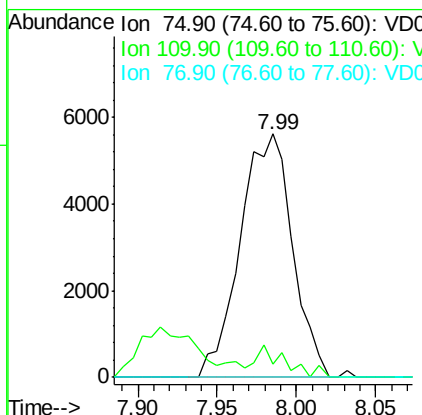
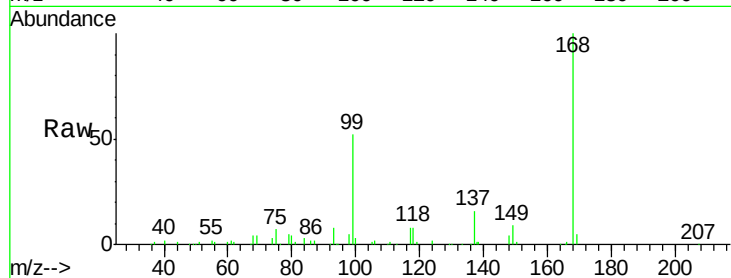




#36
 1,1-Dichloropropene
 Concen: 5.027 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD066032.D
 Acq: 23 Jul 2020 18:47

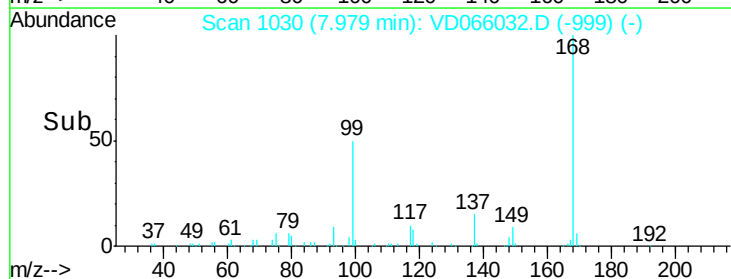
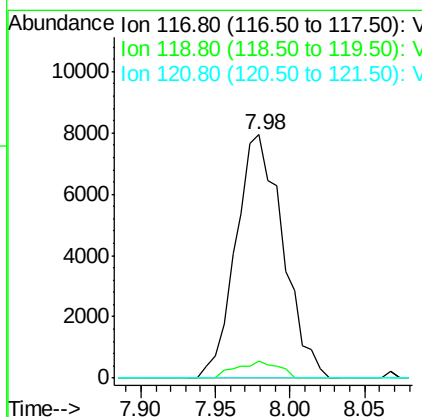
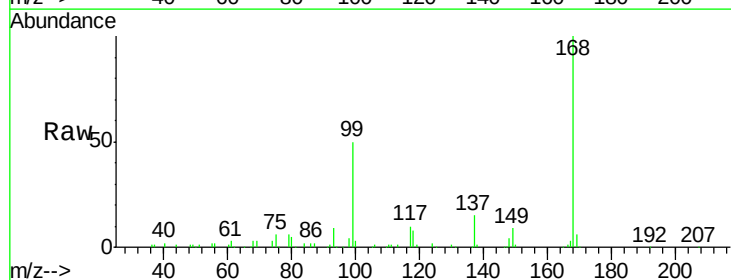
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-011-ABCD

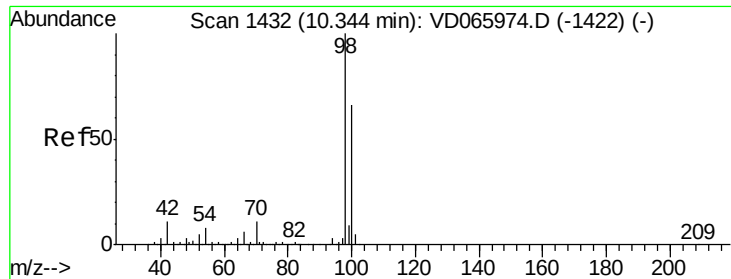
Tot Ion	75	Resp	12846
Ion Ratio	Lower	Upper	
75	100		
110	7.4	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.265 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066032.D
 Acq: 23 Jul 2020 18:47

Tgt Ion	117	Resp	17371
Ion Ratio	Lower	Upper	
117	100		
119	6.9	75.0	112.6#
121	0.0	25.5	38.3#





#50

Toluene-d8

Concen: 54.688 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD066032.D

Acq: 23 Jul 2020 18:47

Instrument :

MSVOA_D

ClientSampleId :

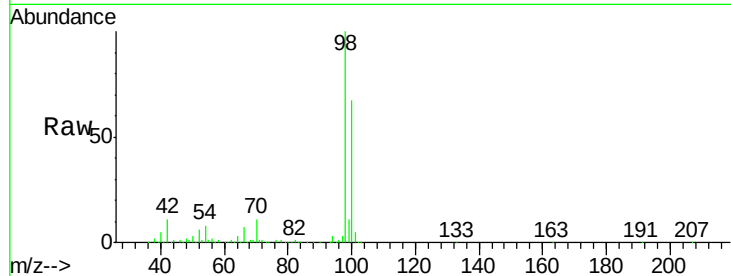
FK-BPM-04-011-ABCD

Tot Ion: 98 Resp: 369950

Ion Ratio Lower Upper

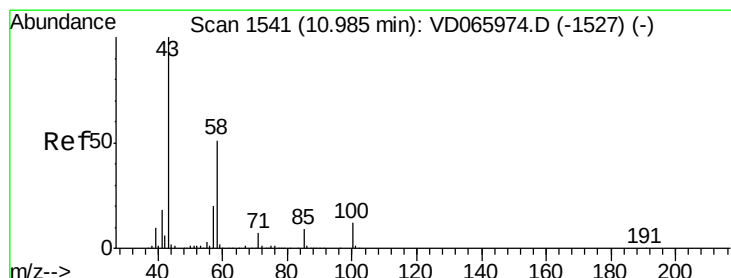
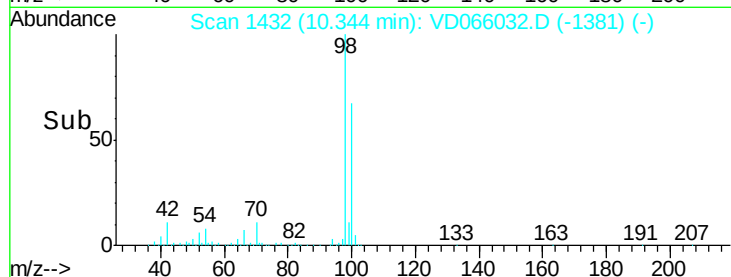
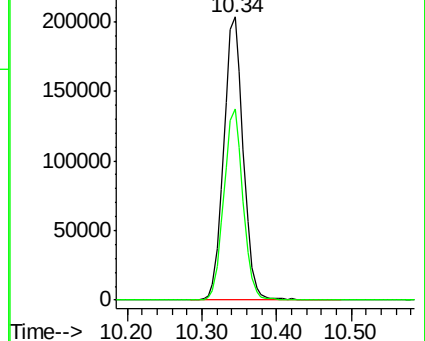
98 100

100 66.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#59

2-Hexanone

Concen: 1.319 ug/l

RT: 11.00 min Scan# 1543

Delta R.T. 0.01 min

Lab File: VD066032.D

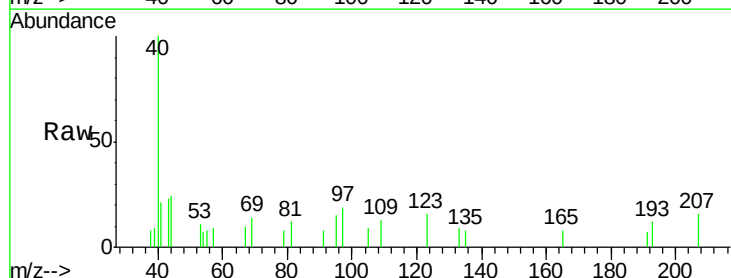
Acq: 23 Jul 2020 18:47

Tgt Ion: 43 Resp: 878

Ion Ratio Lower Upper

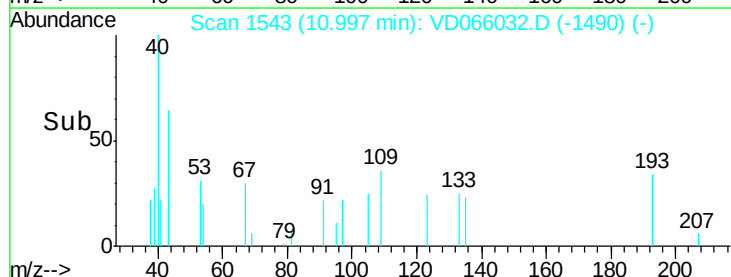
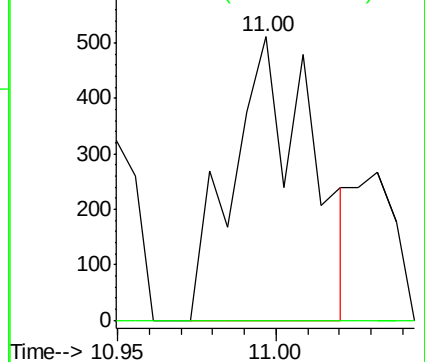
43 100

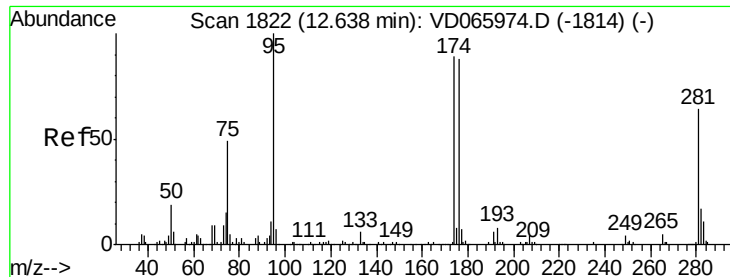
58 0.0 26.2 78.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

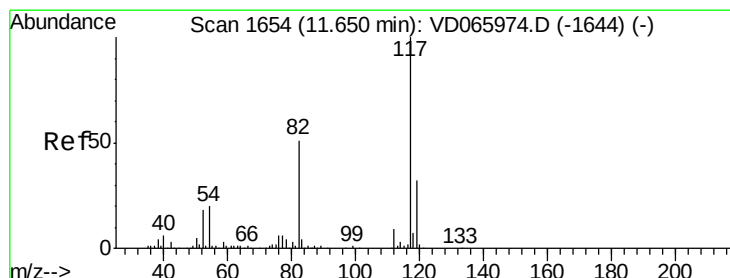
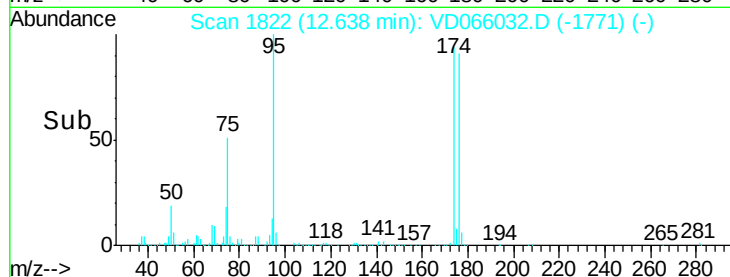
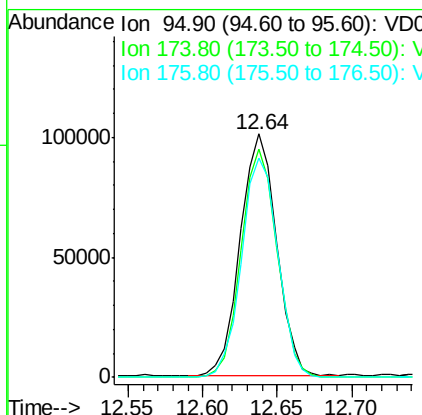
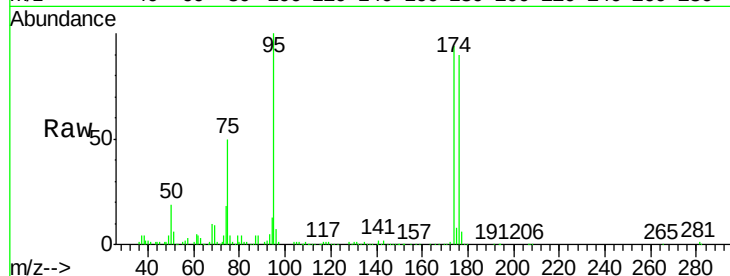




#62
4-Bromofluorobenzene
Concen: 72.529 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066032.D
Acq: 23 Jul 2020 18:47

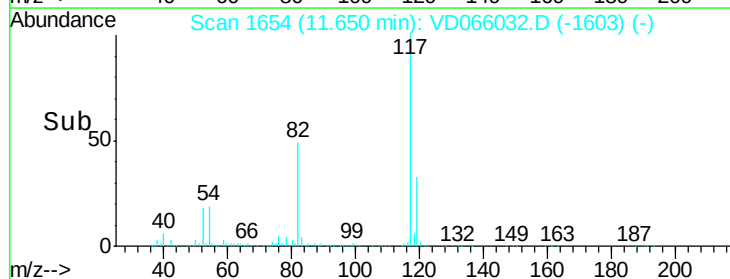
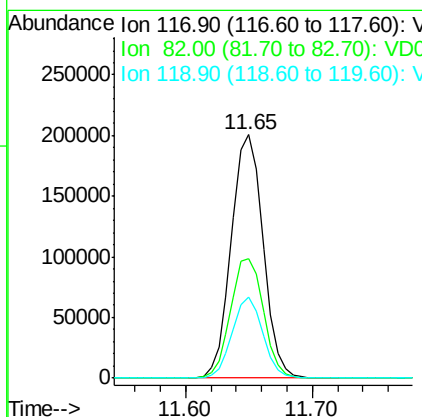
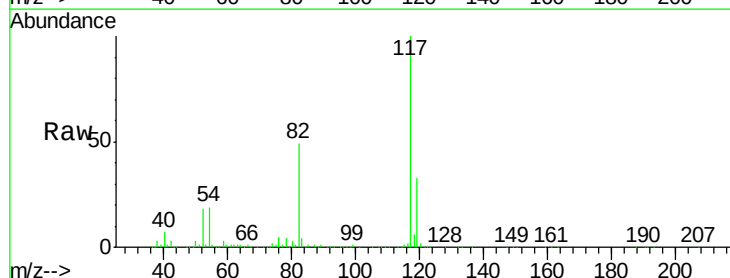
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-011-ABCD

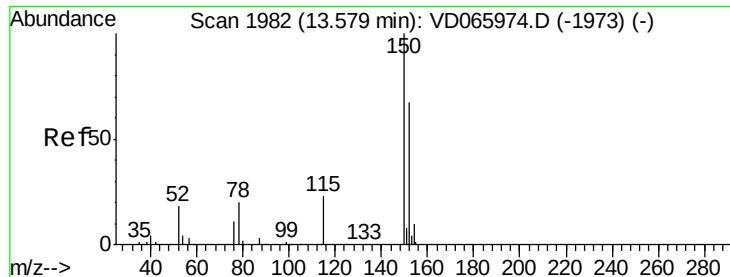
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.6	0.0	178.8
176	90.2	0.0	172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066032.D
Acq: 23 Jul 2020 18:47

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.9	41.1	61.7
119	33.0	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: VD066032.D

Acq: 23 Jul 2020 18:47

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-011-ABCD

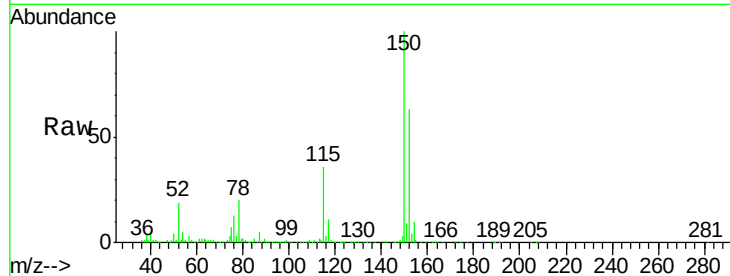
Tot Ion:152 Resp: 200822

Ion Ratio Lower Upper

152 100

115 55.8 27.9 83.7

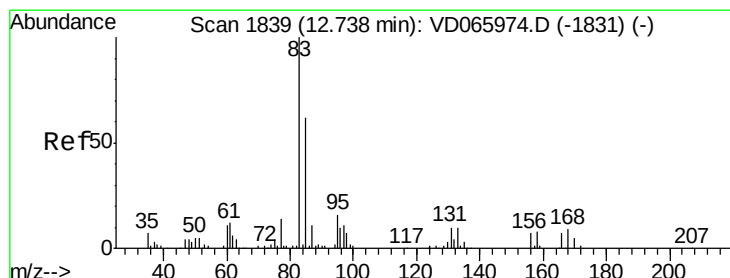
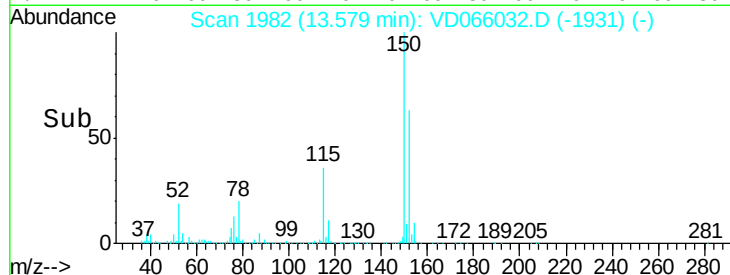
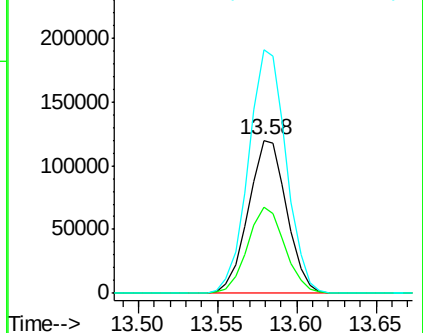
150 157.5 0.0 348.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.416 ug/l

RT: 12.76 min Scan# 1842

Delta R.T. 0.02 min

Lab File: VD066032.D

Acq: 23 Jul 2020 18:47

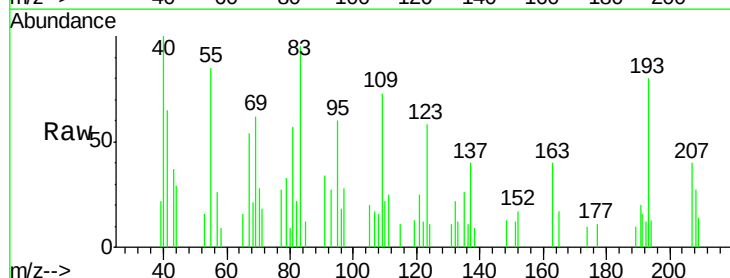
Tgt Ion: 83 Resp: 2843

Ion Ratio Lower Upper

83 100

131 18.0 5.7 17.1#

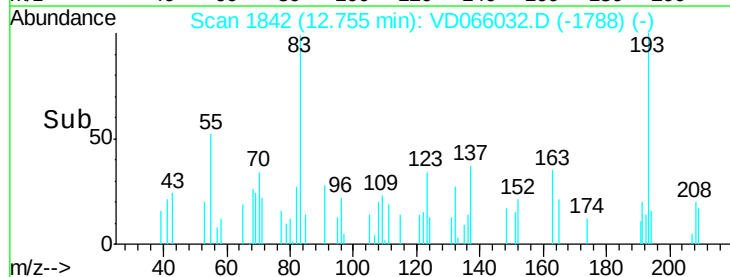
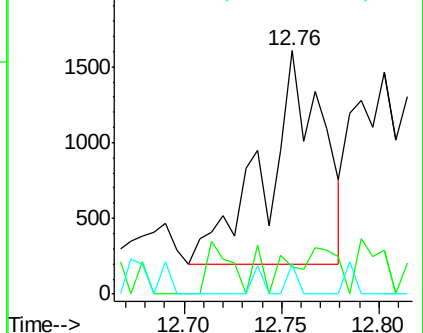
85 2.4 31.9 95.5#

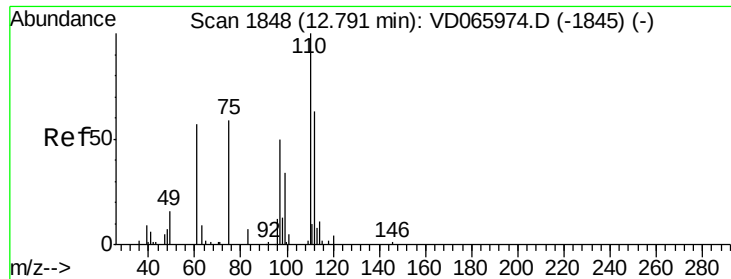


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

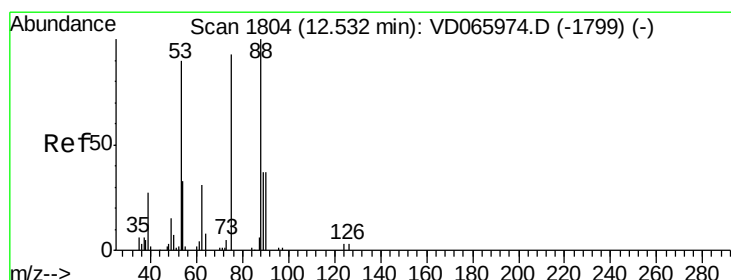
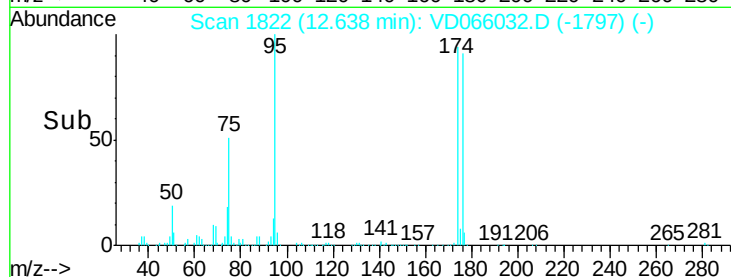
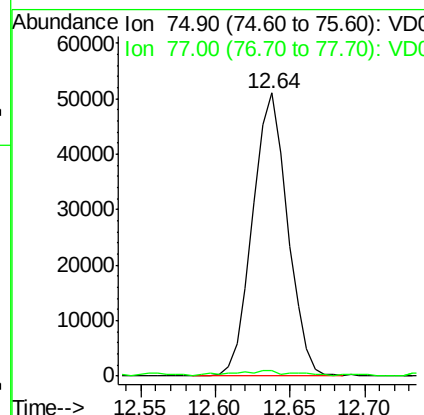
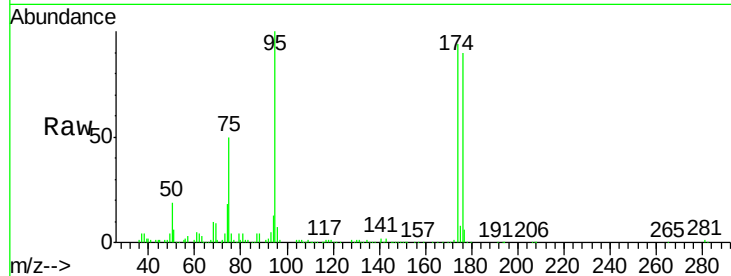




#76
 1,2,3-Trichloropropane
 Concen: 54.711 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066032.D
 Acq: 23 Jul 2020 18:47

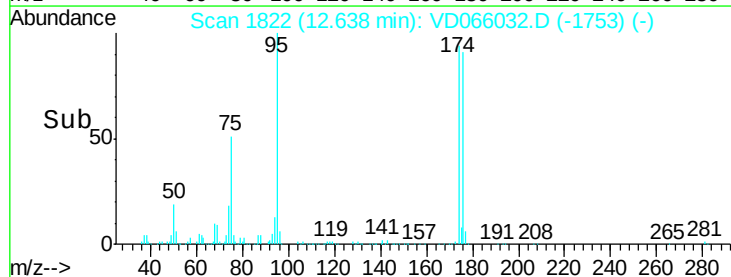
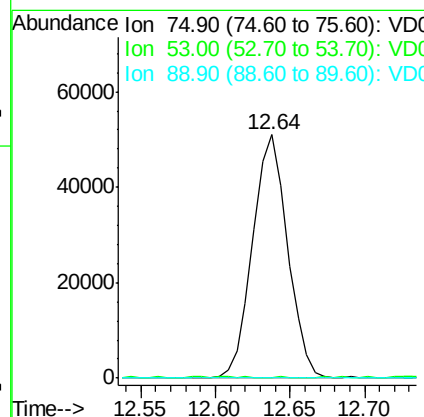
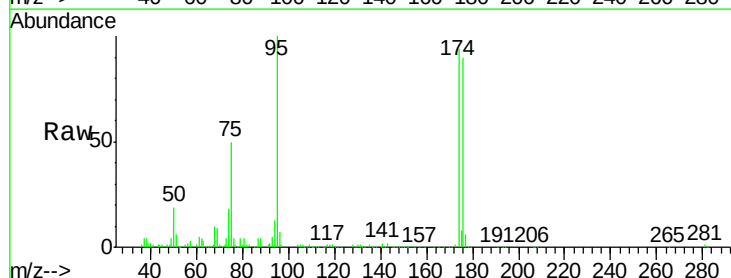
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-011-ABCD

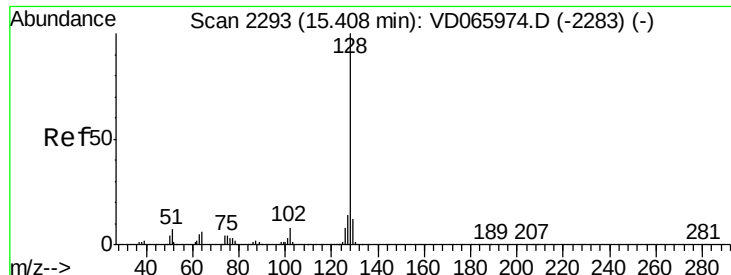
Tot Ion: 75 Resp: 82728
 Ion Ratio Lower Upper
 75 100
 77 3.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.543 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066032.D
 Acq: 23 Jul 2020 18:47

Tgt Ion: 75 Resp: 82728
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.8 115.2#
 89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 3.696 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD066032.D
Acq: 23 Jul 2020 18:47

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-011-ABCD

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	14.5	8.9	13.3#

