

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072120\
 Data File : VD065978.D
 Acq On : 21 Jul 2020 14:15
 Operator : VA/SY
 Sample : VD0721SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBL01

Quant Time: Jul 21 16:47:26 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	346454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	600531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	614347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	159029	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	
35) Dibromofluoromethane	7.92	113	185959	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
50) Toluene-d8	10.34	98	714258	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.64	95	287173	61.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.08%	

Target Compounds

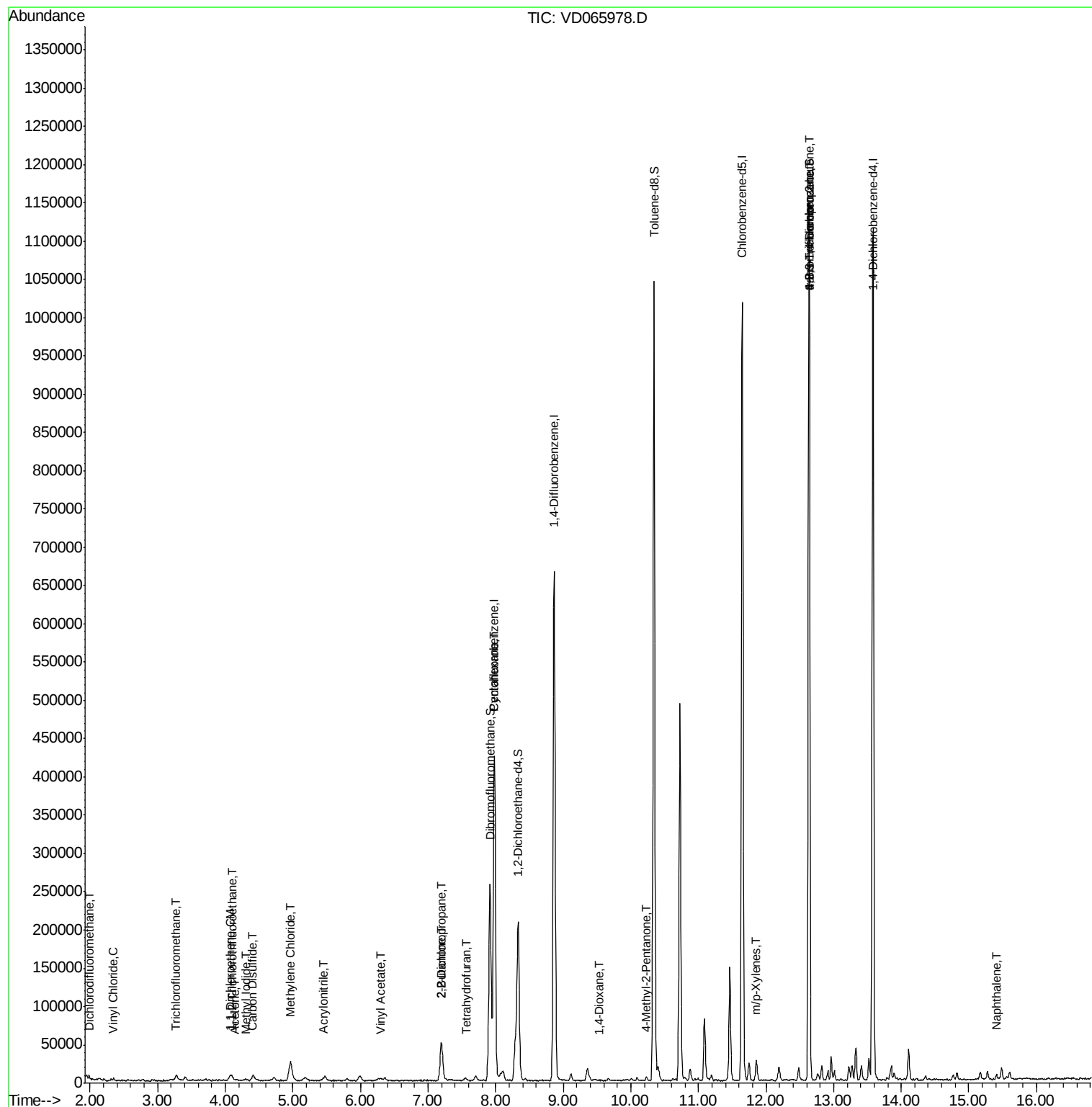
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	3109	1.182	ug/l	94
4) Vinyl Chloride	2.35	62	2083	1.019	ug/l #	88
5) Bromomethane	2.77	94	1338	Below Cal	#	63
7) Trichlorofluoromethane	3.28	101	5475	1.102	ug/l #	79
9) 1,1,2-Trichlorotrifluoroet	4.10	101	3324	1.108	ug/l #	37
10) Methyl Iodide	4.30	142	2820	9.579	ug/l #	48
11) Tert butyl alcohol	5.18	59	2890	Below Cal	#	83
12) 1,1-Dichloroethene	4.07	96	3071	1.072	ug/l #	85
15) Acrylonitrile	5.44	53	816	1.390	ug/l #	79
16) Acetone	4.15	43	1177	2.063	ug/l	99
17) Carbon Disulfide	4.40	76	12025	1.294	ug/l #	92
20) Methylene Chloride	4.97	84	18747	3.164	ug/l	88
23) Vinyl Acetate	6.31	43	5964	1.243	ug/l #	73
25) 2-Butanone	7.20	43	1690	2.232	ug/l #	82
26) 2,2-Dichloropropane	7.19	77	6488	1.400	ug/l #	60
29) Tetrahydrofuran	7.57	42	1269	2.716	ug/l #	70
31) Cyclohexane	7.99	56	11296	2.228	ug/l #	26
49) 1,4-Dioxane	9.54	88	63	2.909	ug/l #	1
51) 4-Methyl-2-Pentanone	10.23	43	3569	1.853	ug/l	88
68) m/p-Xylenes	11.86	106	8886	1.194	ug/l	92
76) 1,2,3-Trichloropropane	12.64	75	137539	56.862	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	137539	130.478	ug/l #	11
95) Naphthalene	15.41	128	5770	4.073	ug/l	95

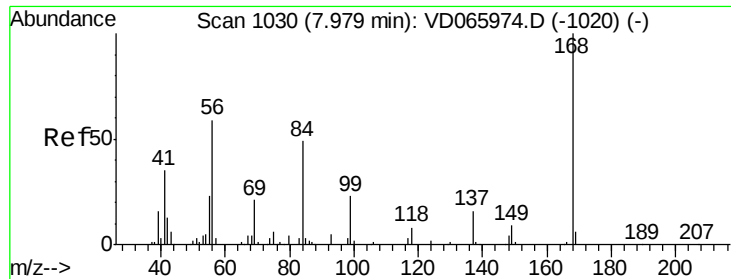
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD072120\
Data File : VD065978.D
Acq On : 21 Jul 2020 14:15
Operator : VA/SY
Sample : VD0721SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBL01

Quant Time: Jul 21 16:47:26 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: VD065978.D

Acq: 21 Jul 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

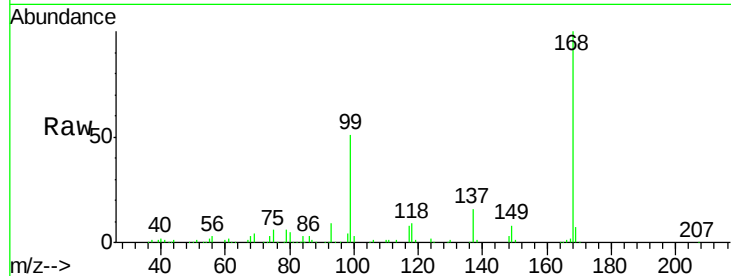
VD0721SBL01

Tgt Ion:168 Resp: 346454

Ion Ratio Lower Upper

168 100

99 51.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

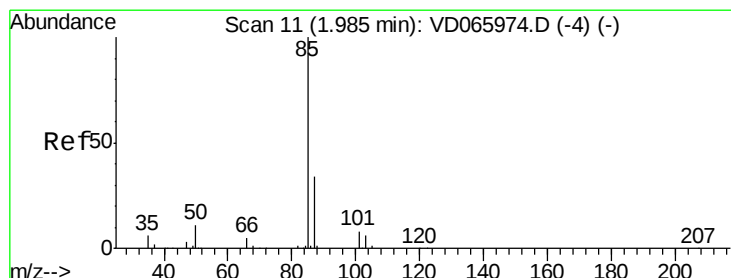
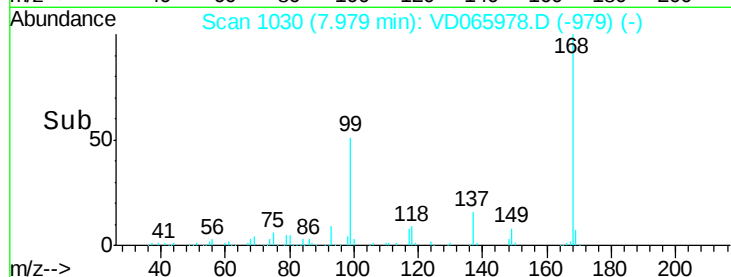
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.182 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065978.D

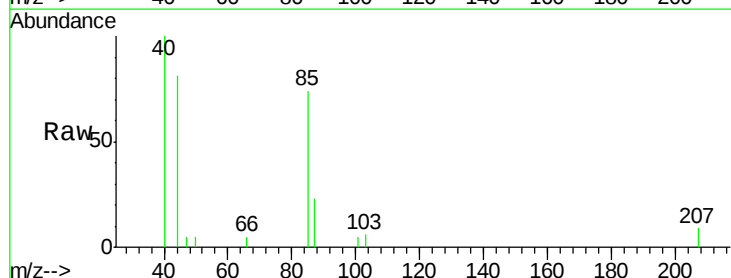
Acq: 21 Jul 2020 14:15

Tgt Ion: 85 Resp: 3109

Ion Ratio Lower Upper

85 100

87 31.1 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

3000

2500

2000

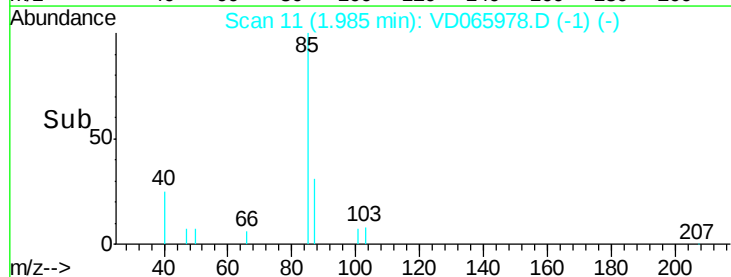
1500

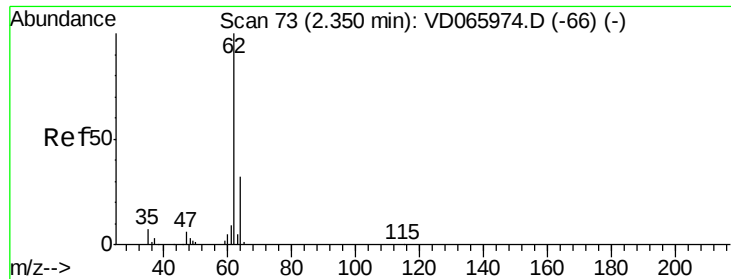
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 1.019 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065978.D

Acq: 21 Jul 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

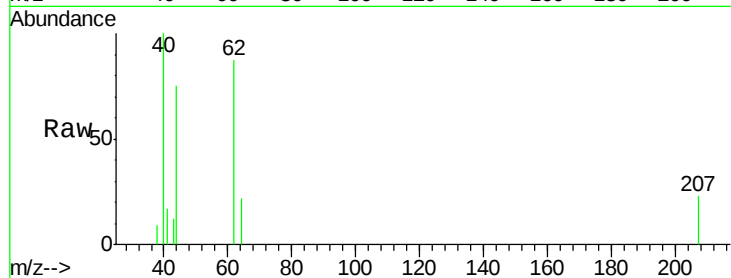
VD0721SBL01

Tgt Ion: 62 Resp: 2083

Ion Ratio Lower Upper

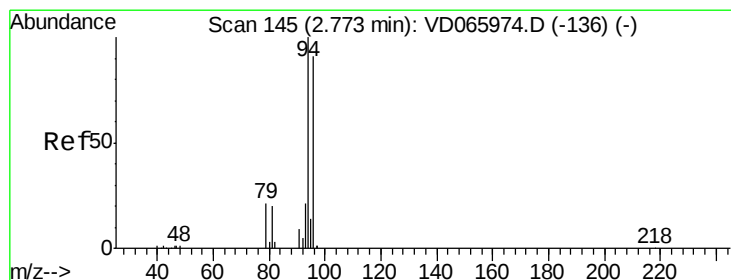
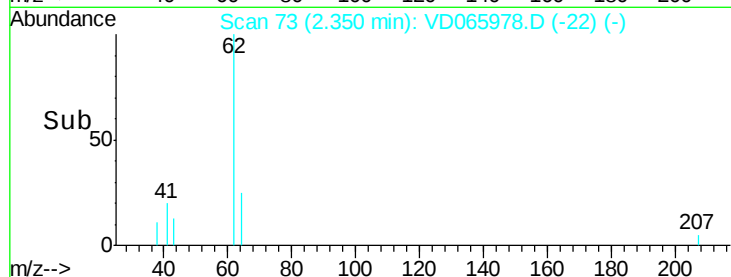
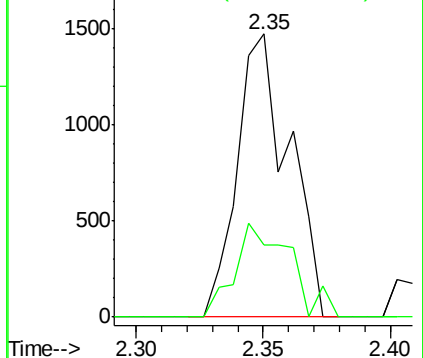
62 100

64 25.4 25.8 38.8#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065978.D

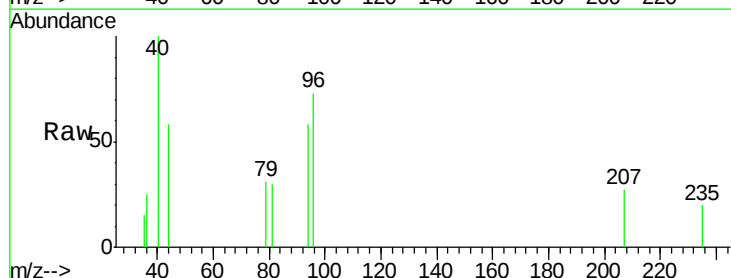
Acq: 21 Jul 2020 14:15

Tgt Ion: 94 Resp: 1338

Ion Ratio Lower Upper

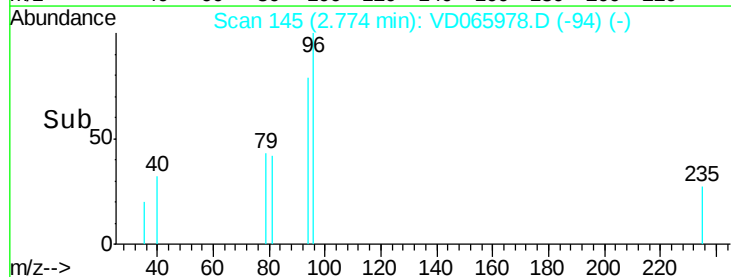
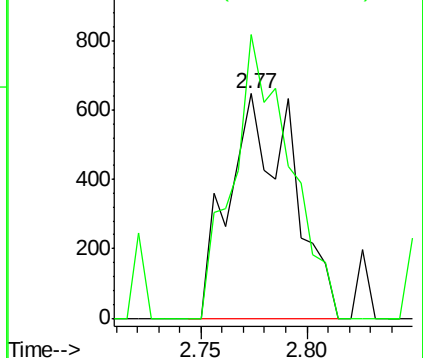
94 100

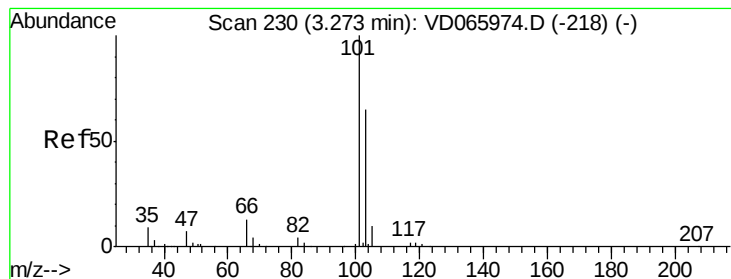
96 126.3 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Trichlorofluoromethane

Concen: 1.102 ug/l

RT: 3.28 min Scan# 231

Delta R.T. 0.01 min

Lab File: VD065978.D

Acq: 21 Jul 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

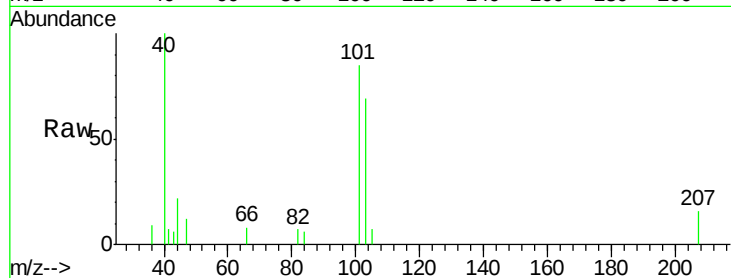
VD0721SBL01

Tgt Ion:101 Resp: 5475

Ion Ratio Lower Upper

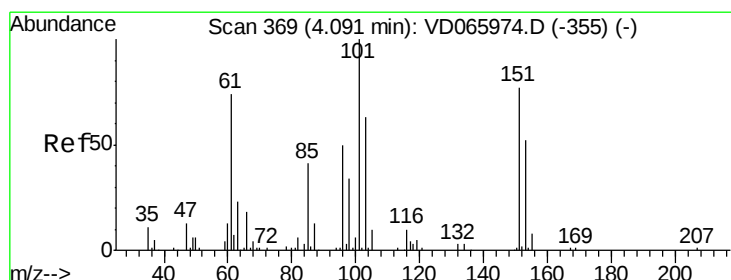
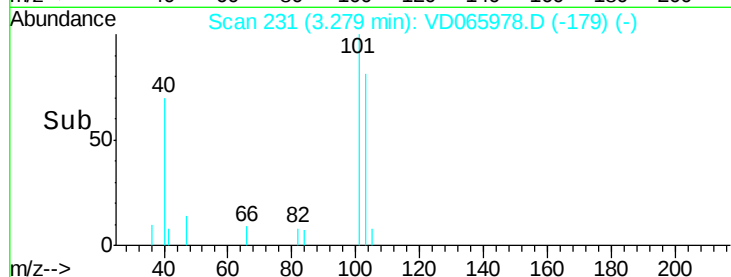
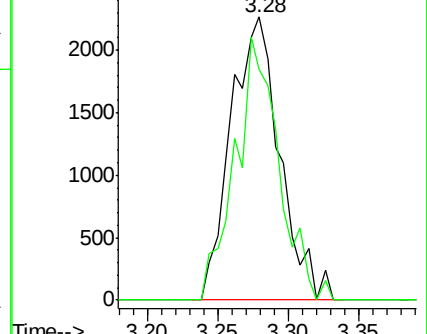
101 100

103 81.4 52.1 78.1#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.108 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD065978.D

Acq: 21 Jul 2020 14:15

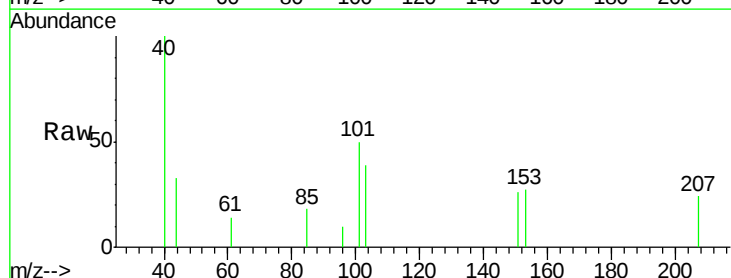
Tgt Ion:101 Resp: 3324

Ion Ratio Lower Upper

101 100

85 45.0 33.6 50.4

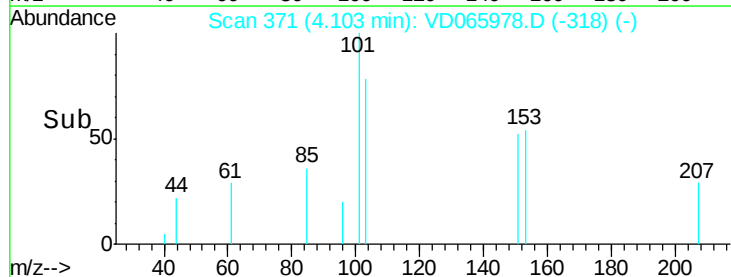
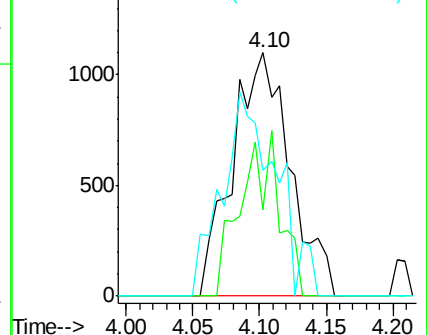
151 0.0 66.6 99.8#

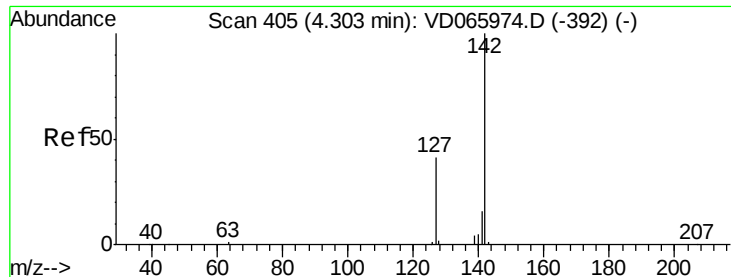


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VD

Ion 150.80 (150.50 to 151.50): V

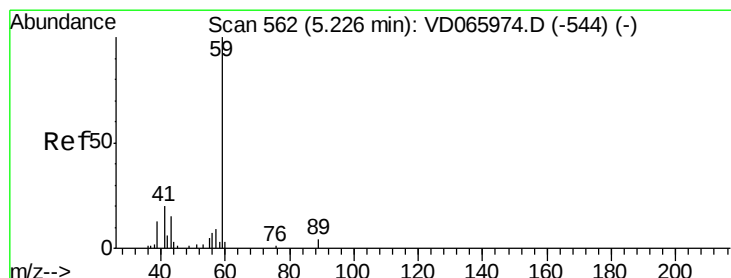
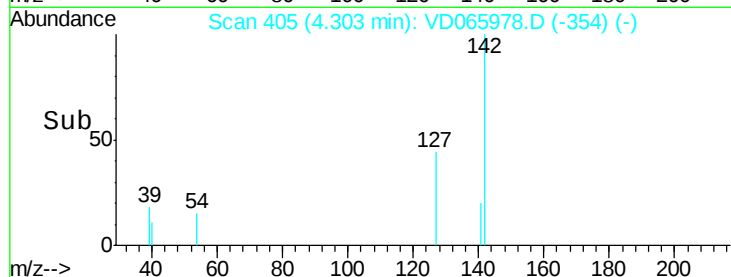
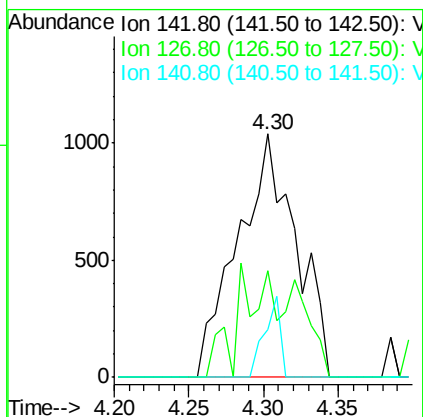
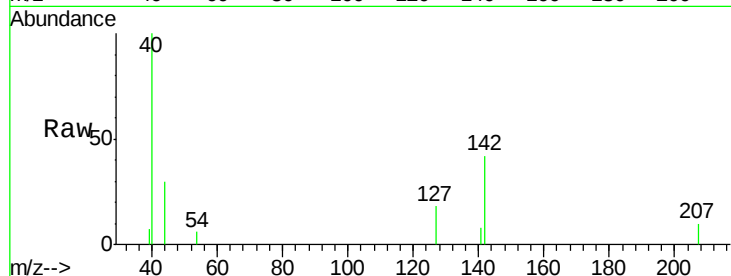




#10
Methyl Iodide
Concen: 9.579 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.00 min
Lab File: VD065978.D
Acq: 21 Jul 2020 14:15

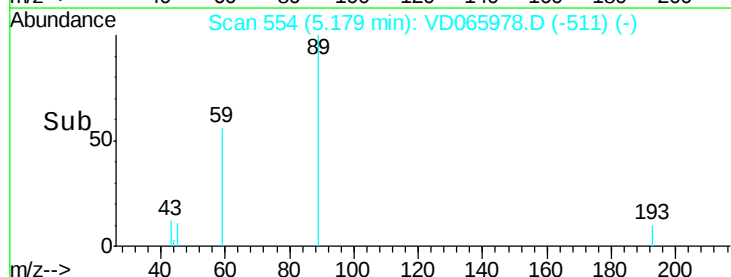
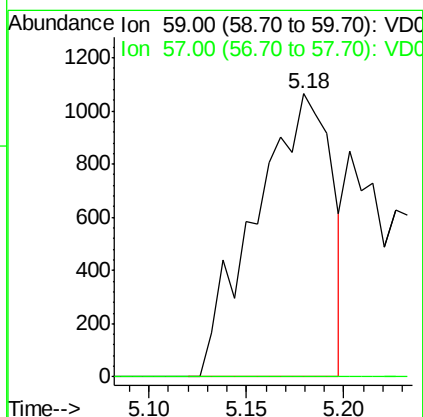
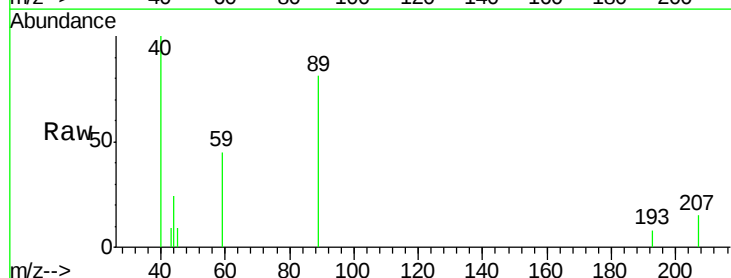
Instrument :
MSVOA_D
ClientSampleId :
VD0721SBL01

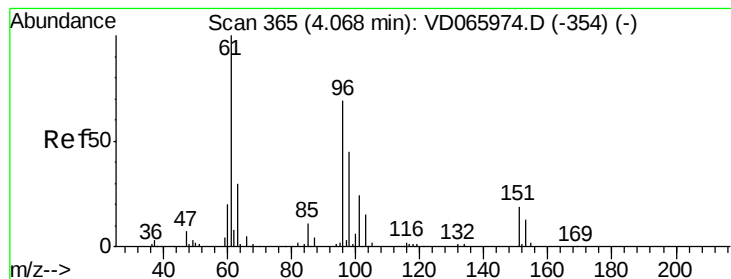
Tgt Ion: 142 Resp: 2820
Ion Ratio Lower Upper
142 100
127 0.0 32.9 49.3#
141 8.9 11.8 17.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.18 min Scan# 554
Delta R.T. -0.05 min
Lab File: VD065978.D
Acq: 21 Jul 2020 14:15

Tgt Ion: 59 Resp: 2890
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#





#12

1,1-Dichloroethene

Concen: 1.072 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD065978.D

Acq: 21 Jul 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBL01

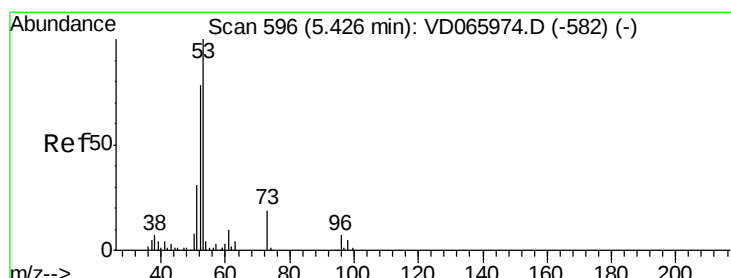
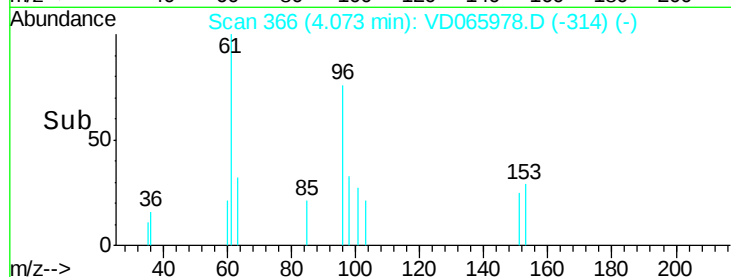
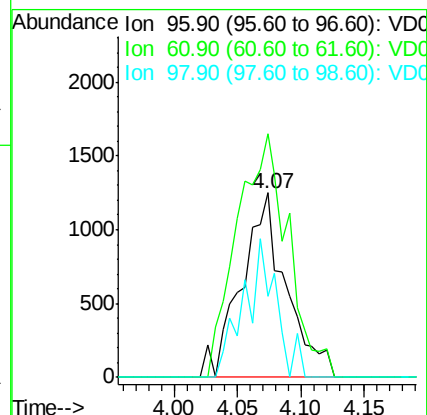
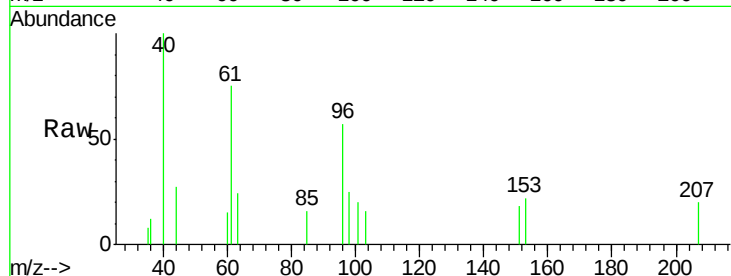
Tgt Ion: 96 Resp: 3071

Ion Ratio Lower Upper

96 100

61 132.0 115.4 173.0

98 44.0 51.5 77.3#



#15

Acrylonitrile

Concen: 1.390 ug/l

RT: 5.44 min Scan# 599

Delta R.T. 0.02 min

Lab File: VD065978.D

Acq: 21 Jul 2020 14:15

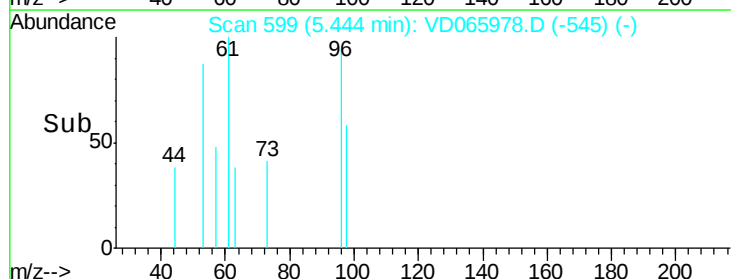
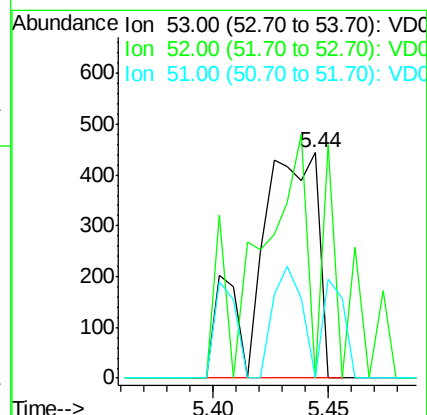
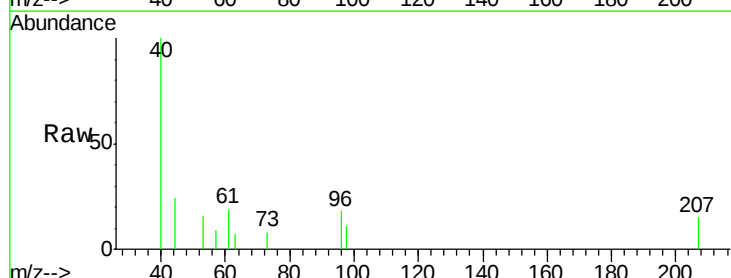
Tgt Ion: 53 Resp: 816

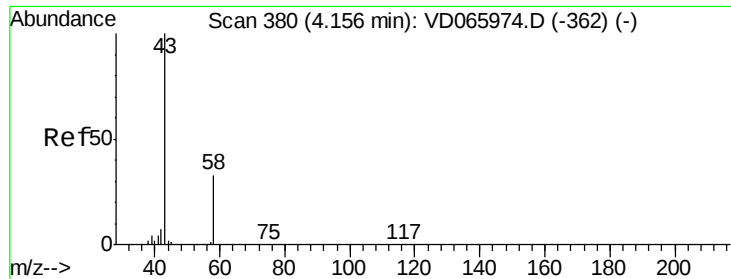
Ion Ratio Lower Upper

53 100

52 70.5 67.1 100.7

51 15.2 28.7 43.1#





#16

Acetone

Concen: 2.063 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065978.D

Acq: 21 Jul 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

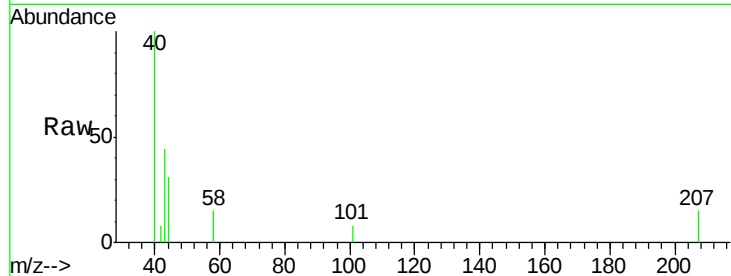
VD0721SBL01

Tgt Ion: 43 Resp: 1177

Ion Ratio Lower Upper

43 100

58 33.7 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.15

4.16

4.17

4.18

4.19

4.20

4.21

4.22

4.23

4.24

4.25

4.26

4.27

4.28

4.29

4.30

4.31

4.32

4.33

4.34

4.35

4.36

4.37

4.38

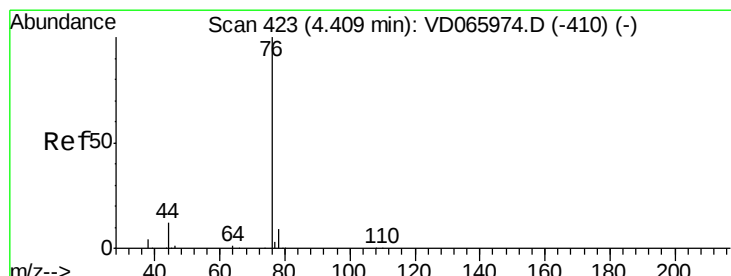
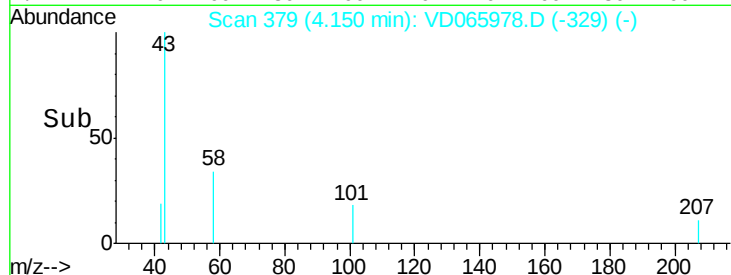
4.39

4.40

4.41

4.42

4.43



#17

Carbon Disulfide

Concen: 1.294 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD065978.D

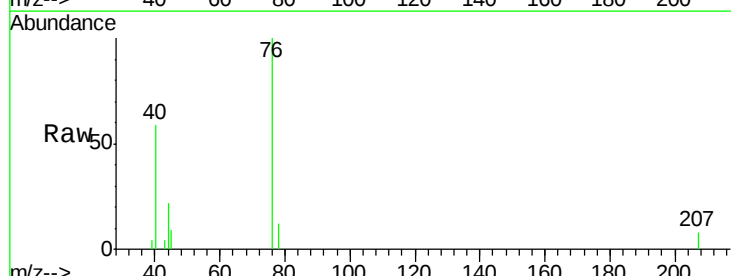
Acq: 21 Jul 2020 14:15

Tgt Ion: 76 Resp: 12025

Ion Ratio Lower Upper

76 100

78 12.1 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

4.41

4.42

4.43

4.44

4.45

4.46

4.47

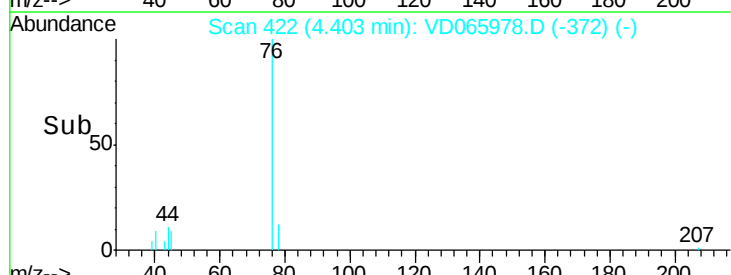
4.48

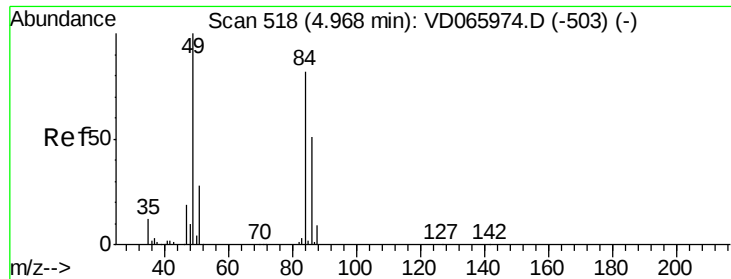
4.49

4.50

4.51

4.52

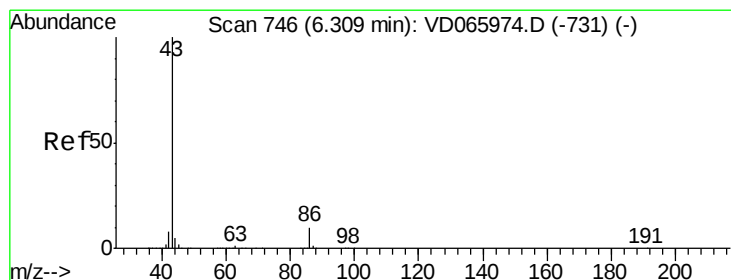
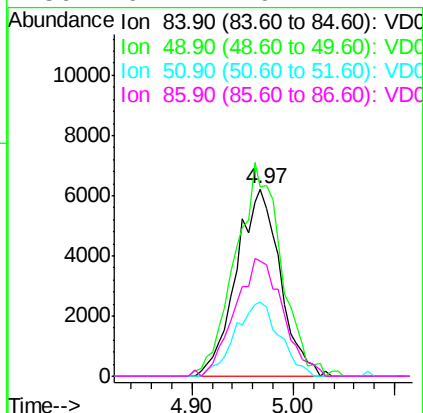
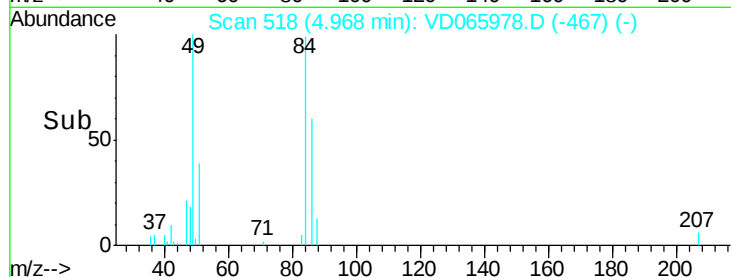
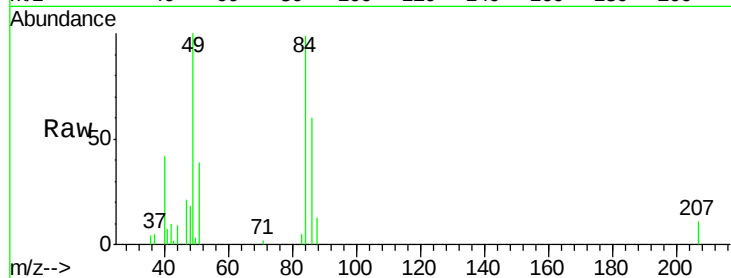




#20
Methylene Chloride
Concen: 3.164 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065978.D
Acq: 21 Jul 2020 14:15

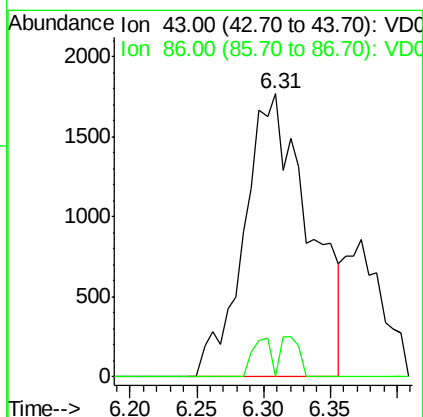
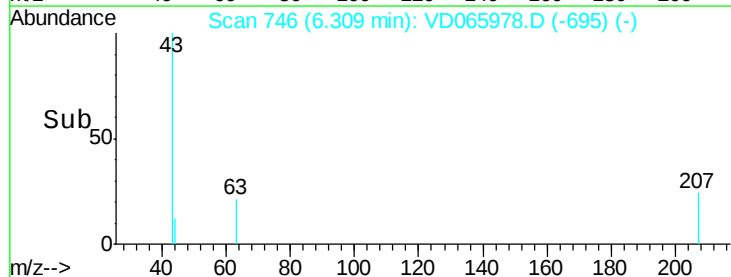
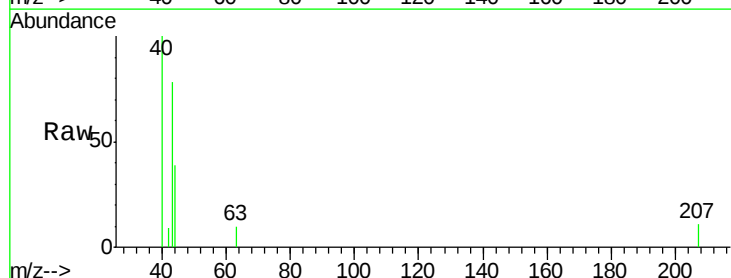
Instrument :
MSVOA_D
ClientSampleId :
VD0721SBL01

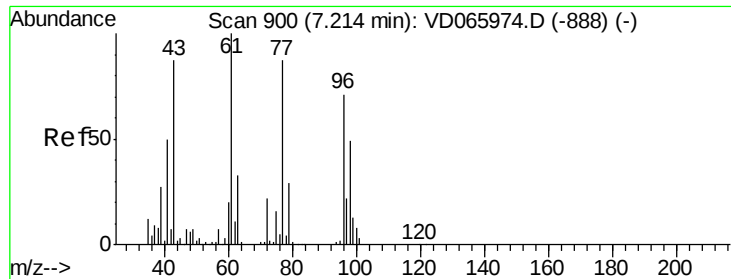
Tgt Ion: 84 Resp: 18747
Ion Ratio Lower Upper
84 100
49 101.3 97.7 146.5
51 39.9 27.4 41.2
86 61.2 49.4 74.2



#23
Vinyl Acetate
Concen: 1.243 ug/l
RT: 6.31 min Scan# 746
Delta R.T. 0.00 min
Lab File: VD065978.D
Acq: 21 Jul 2020 14:15

Tgt Ion: 43 Resp: 5964
Ion Ratio Lower Upper
43 100
86 0.0 7.9 11.9#





#25

2-Butanone

Concen: 2.232 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD065978.D

Acq: 21 Jul 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

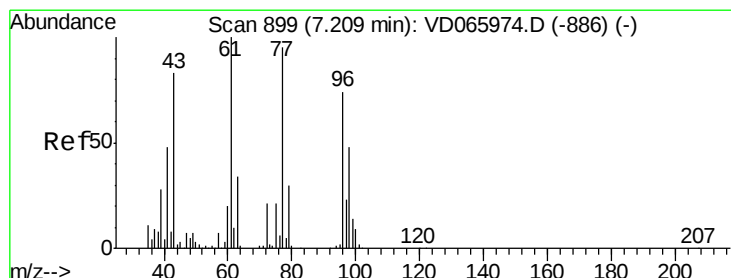
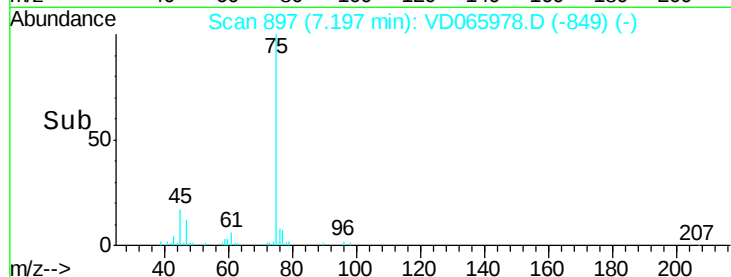
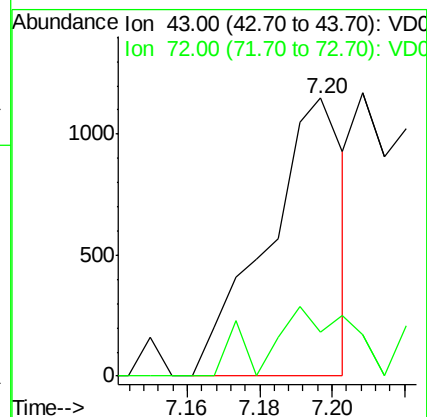
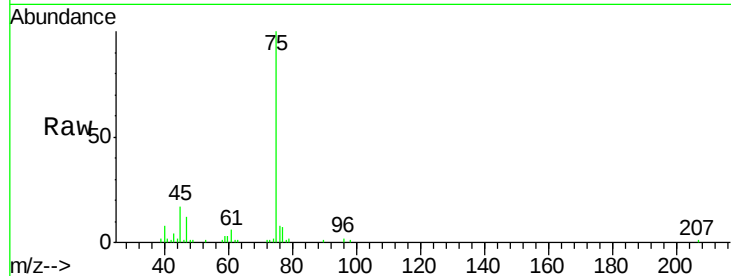
VD0721SBL01

Tgt Ion: 43 Resp: 1690

Ion Ratio Lower Upper

43 100

72 15.9 20.2 30.2#



#26

2,2-Dichloropropane

Concen: 1.400 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD065978.D

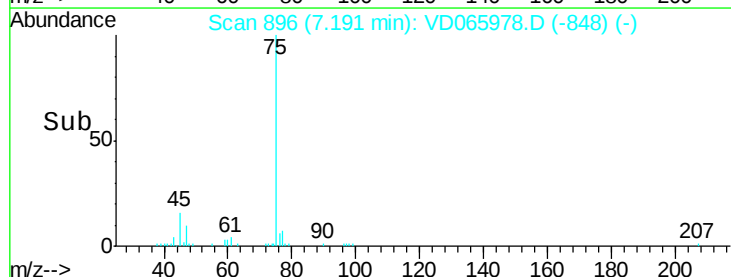
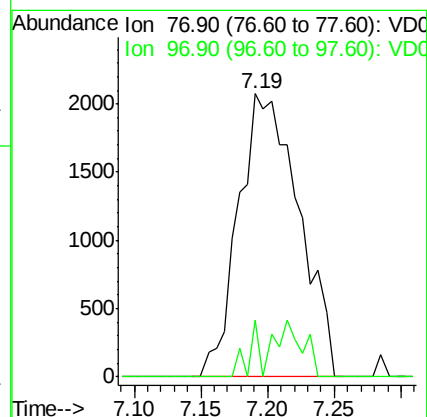
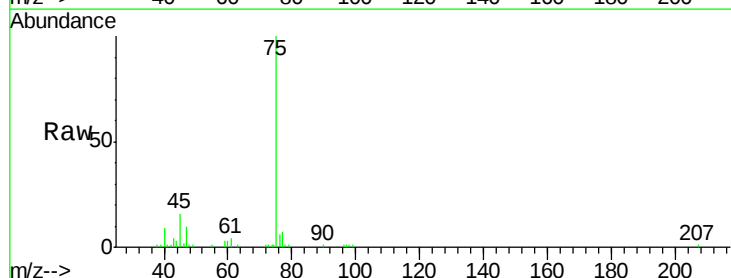
Acq: 21 Jul 2020 14:15

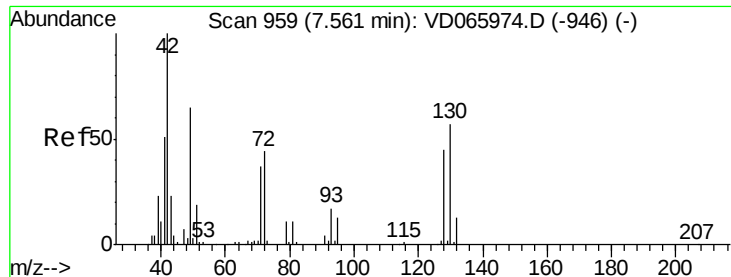
Tgt Ion: 77 Resp: 6488

Ion Ratio Lower Upper

77 100

97 3.4 11.6 34.7#

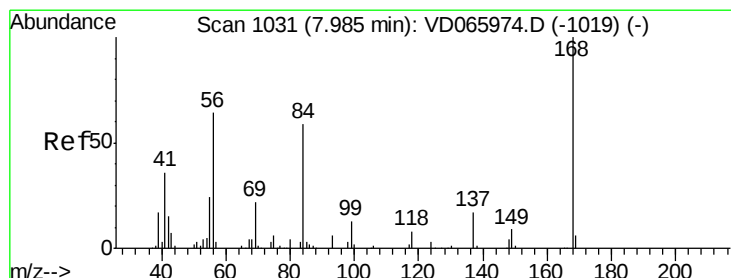
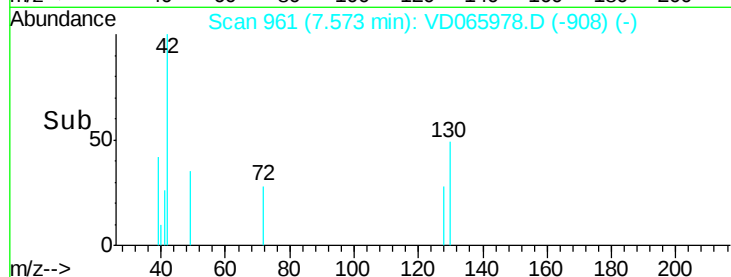
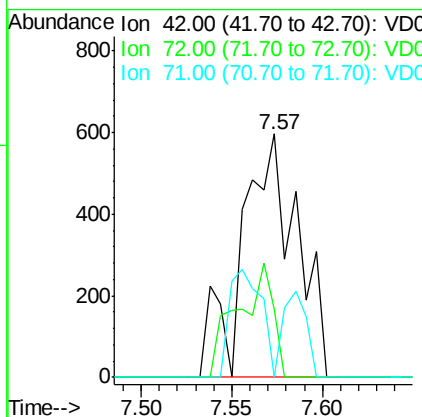
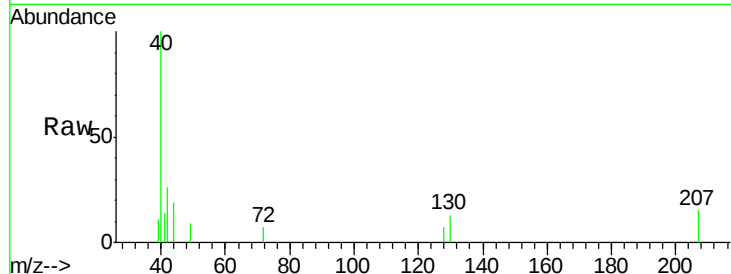




#29
Tetrahydrofuran
Concen: 2.716 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD065978.D
Acq: 21 Jul 2020 14:15

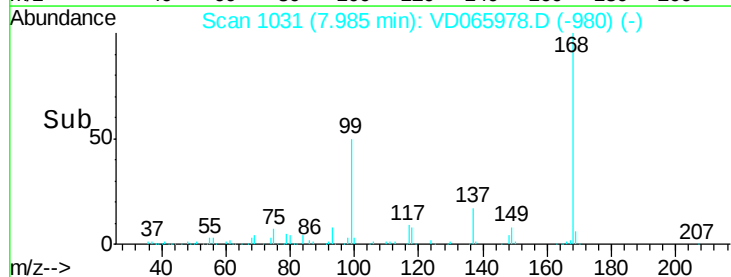
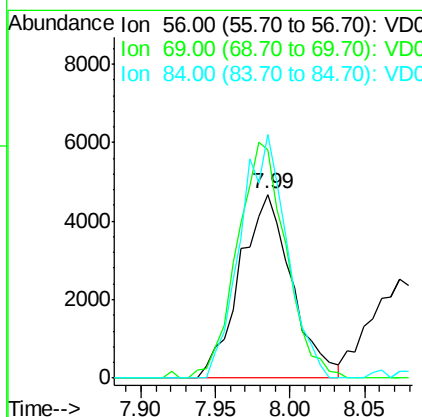
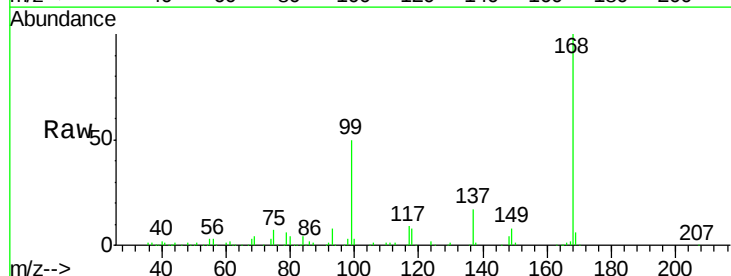
Instrument :
MSVOA_D
ClientSampleId :
VD0721SBL01

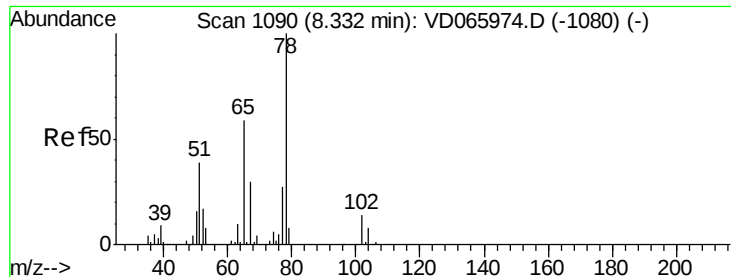
Tgt Ion: 42 Resp: 1269
Ion Ratio Lower Upper
42 100
72 30.0 34.2 51.2#
71 14.8 31.4 47.2#



#31
Cyclohexane
Concen: 2.228 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065978.D
Acq: 21 Jul 2020 14:15

Tgt Ion: 56 Resp: 11296
Ion Ratio Lower Upper
56 100
69 124.1 28.0 42.0#
84 132.4 72.6 109.0#

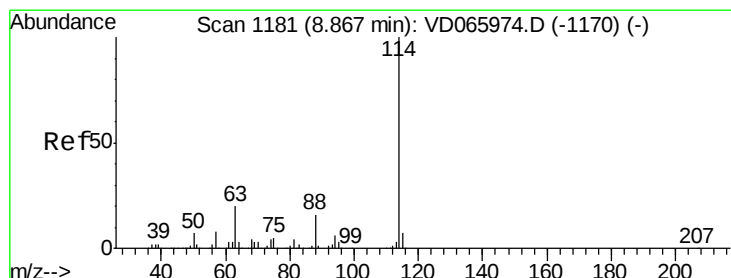
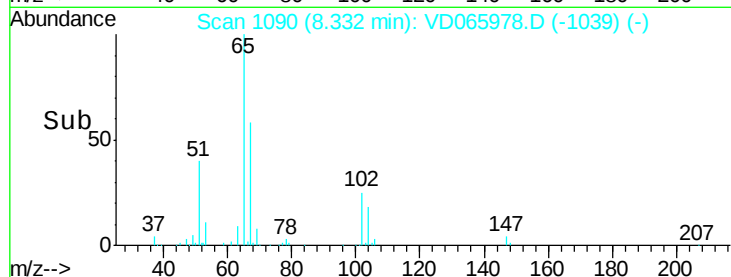
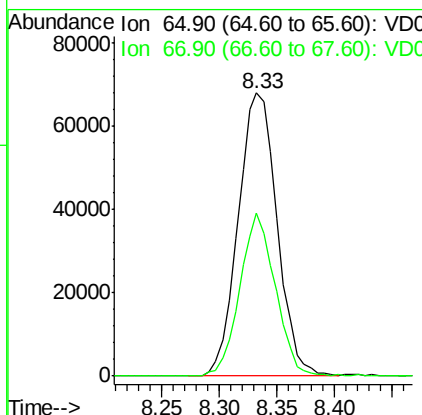
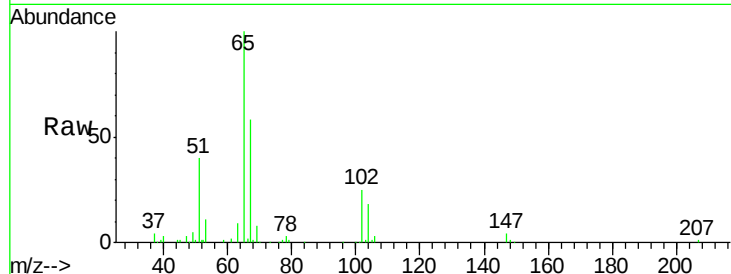




#33
 1,2-Dichloroethane-d4
 Concen: 56.412 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065978.D
 Acq: 21 Jul 2020 14:15

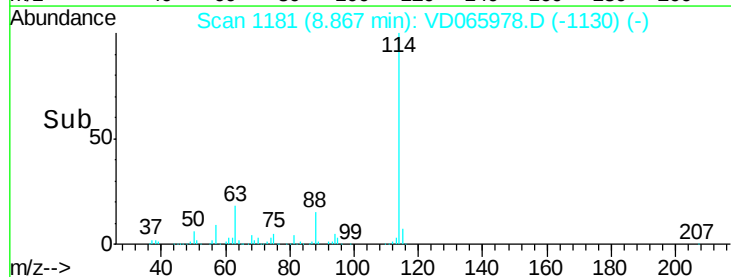
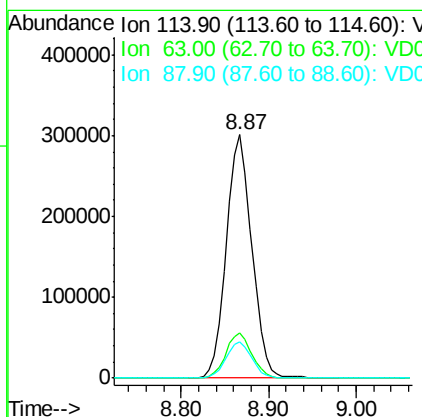
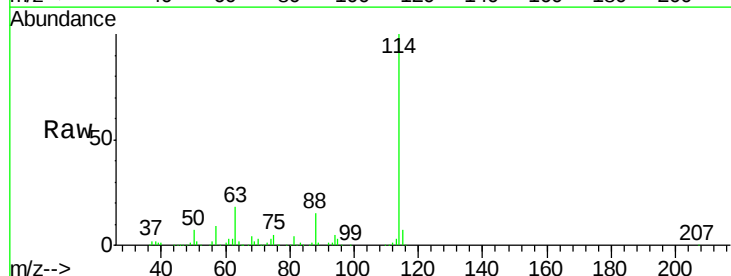
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBL01

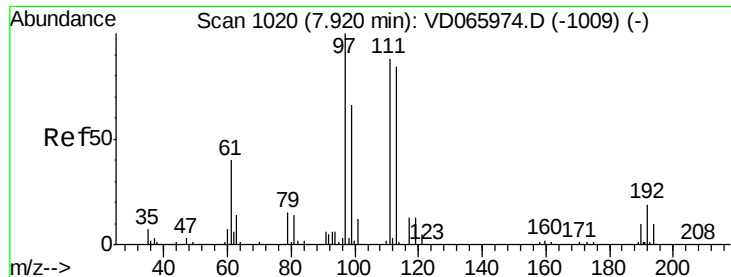
Tgt Ion: 65 Resp: 159029
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065978.D
 Acq: 21 Jul 2020 14:15

Tgt Ion: 114 Resp: 600531
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.6
 88 15.0 0.0 31.2

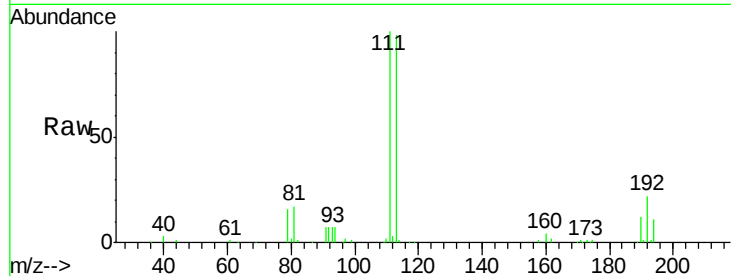




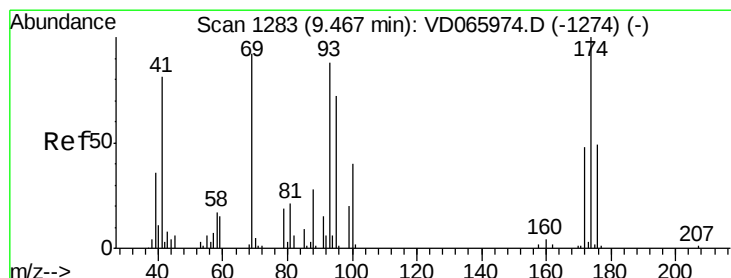
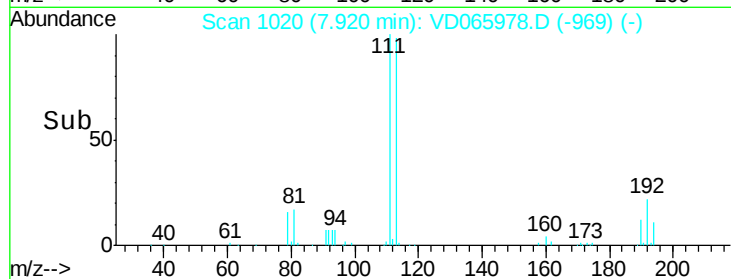
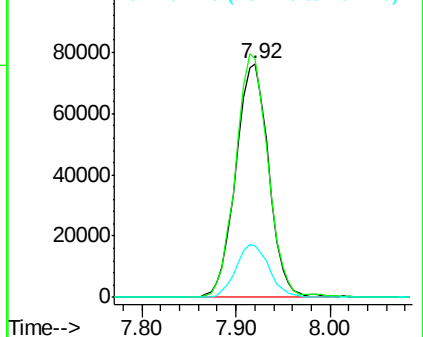
#35
 Dibromofluoromethane
 Concen: 51.054 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065978.D
 Acq: 21 Jul 2020 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBL01

Tgt Ion: 113 Resp: 185959
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.2 124.8
 192 22.6 18.7 28.1

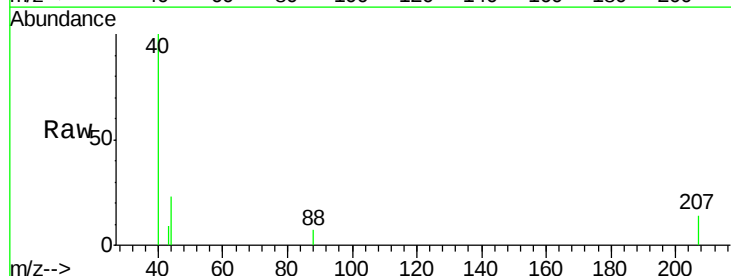


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

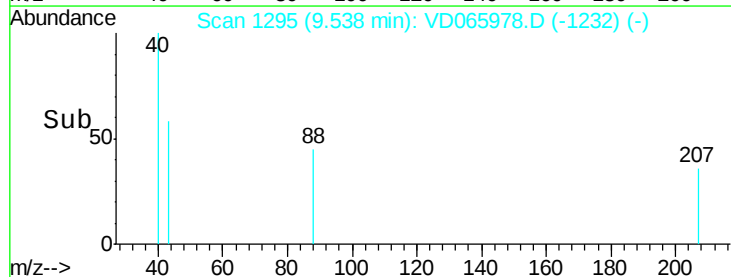
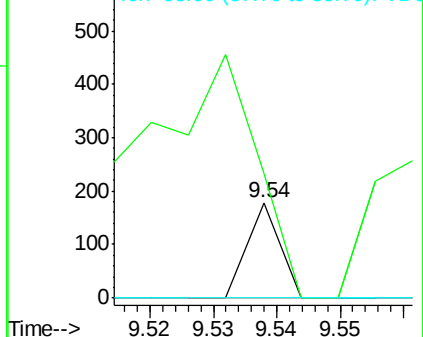


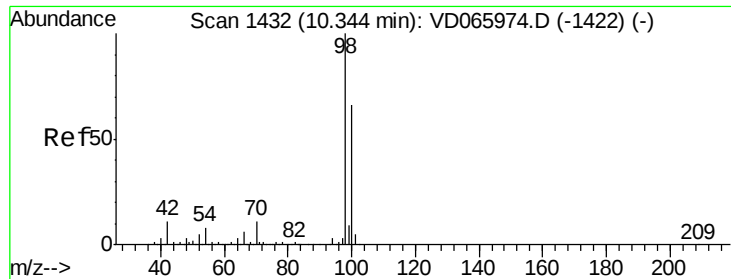
#49
 1,4-Dioxane
 Concen: 2.909 ug/l
 RT: 9.54 min Scan# 1295
 Delta R.T. 0.07 min
 Lab File: VD065978.D
 Acq: 21 Jul 2020 14:15

Tgt Ion: 88 Resp: 63
 Ion Ratio Lower Upper
 88 100
 43 988.9 29.0 43.6#
 58 0.0 57.0 85.4#



Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 52.639 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065978.D

Acq: 21 Jul 2020 14:15

Instrument :

MSVOA_D

ClientSampleId :

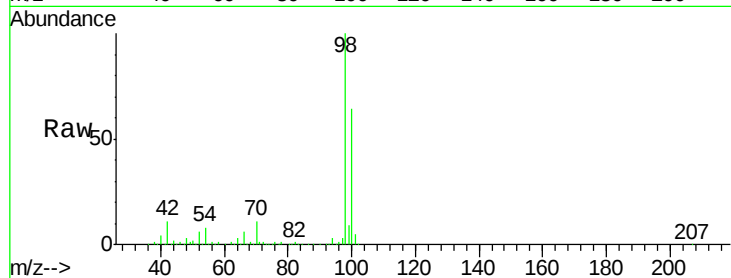
VD0721SBL01

Tgt Ion: 98 Resp: 714258

Ion Ratio Lower Upper

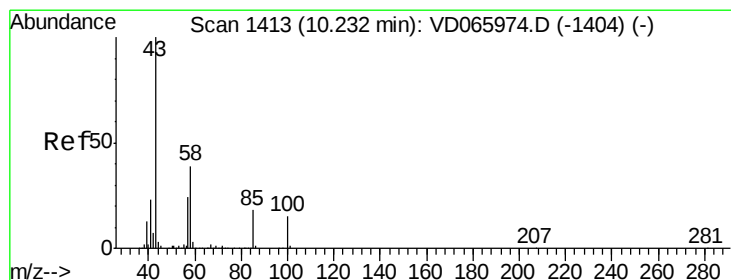
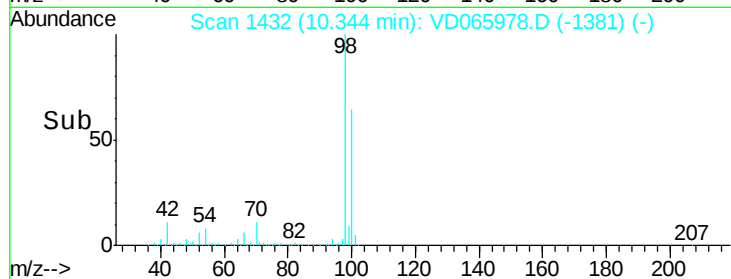
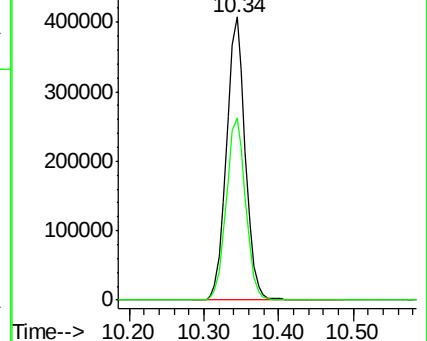
98 100

100 66.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.853 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065978.D

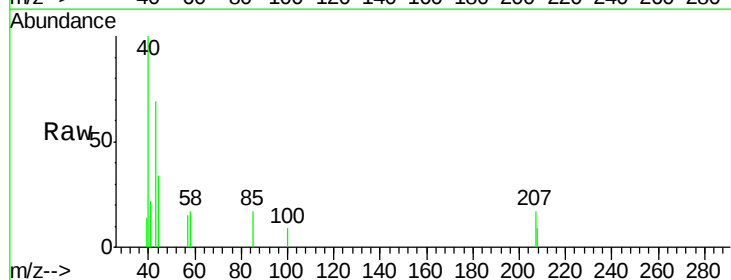
Acq: 21 Jul 2020 14:15

Tgt Ion: 43 Resp: 3569

Ion Ratio Lower Upper

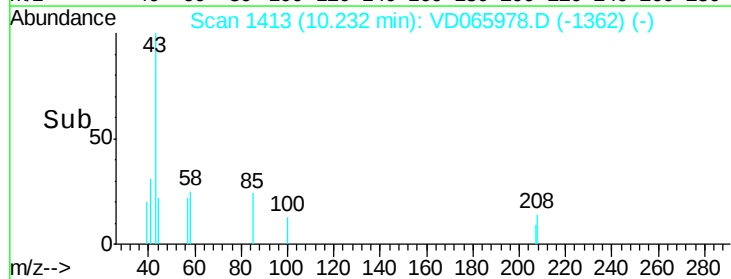
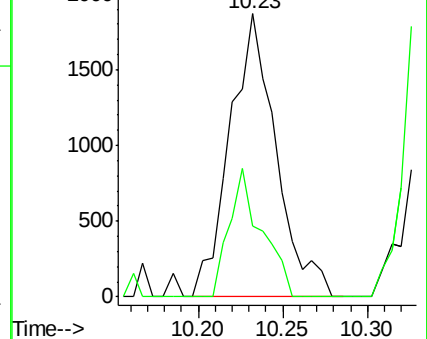
43 100

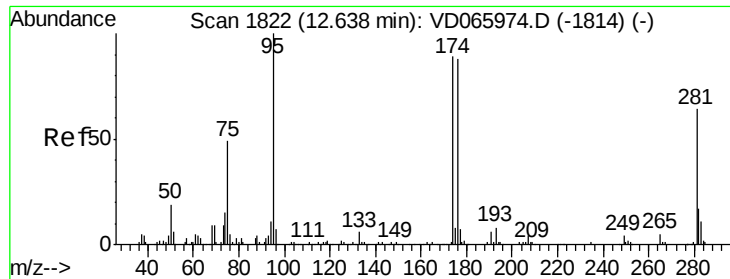
58 31.8 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

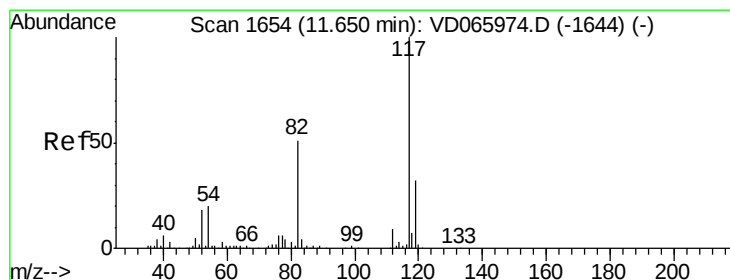
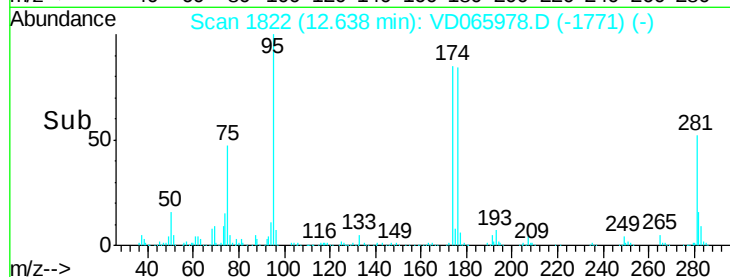
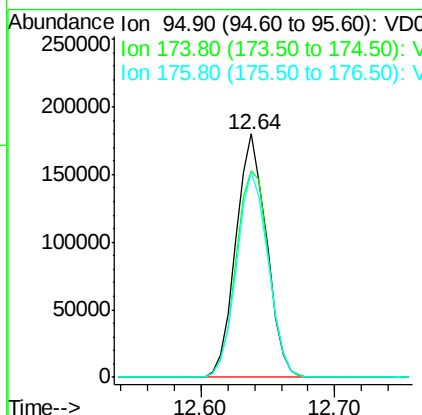
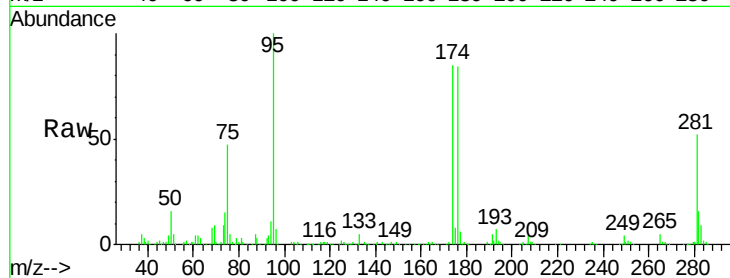




#62
4-Bromofluorobenzene
Concen: 61.037 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065978.D
Acq: 21 Jul 2020 14:15

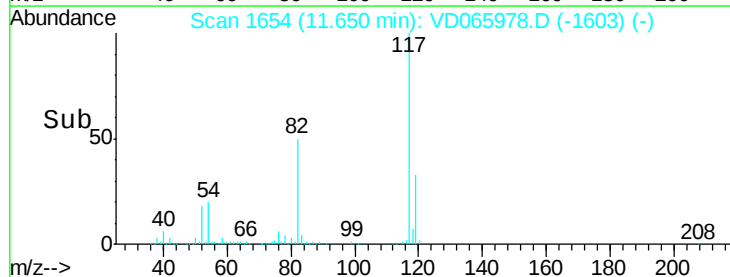
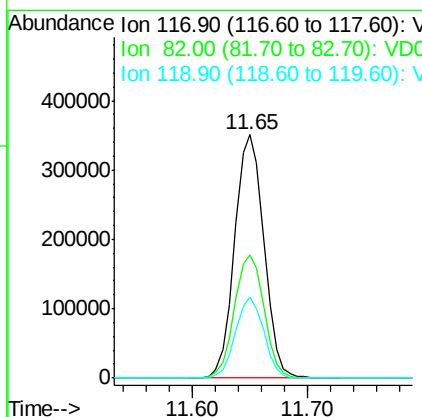
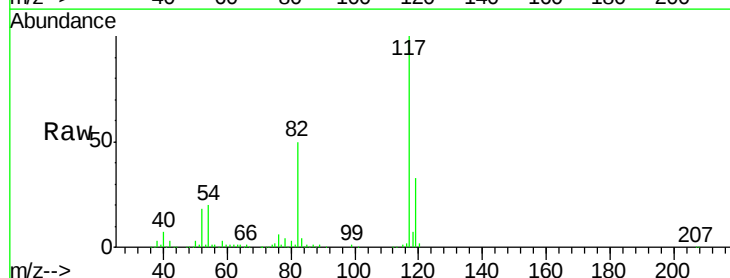
Instrument :
MSVOA_D
ClientSampleId :
VD0721SBL01

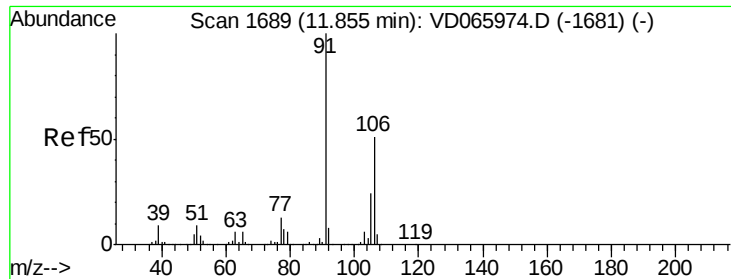
Tgt Ion: 95 Resp: 287173
Ion Ratio Lower Upper
95 100
174 90.6 0.0 178.8
176 86.8 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065978.D
Acq: 21 Jul 2020 14:15

Tgt Ion: 117 Resp: 614347
Ion Ratio Lower Upper
117 100
82 50.5 41.1 61.7
119 33.1 25.9 38.9

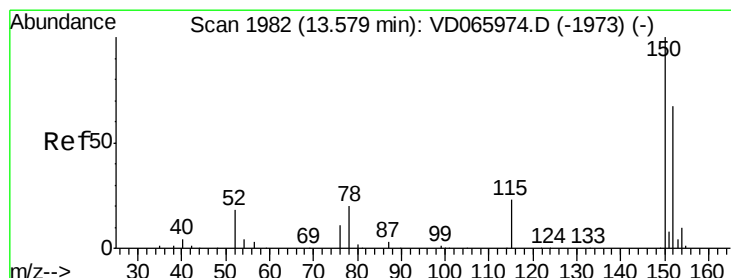
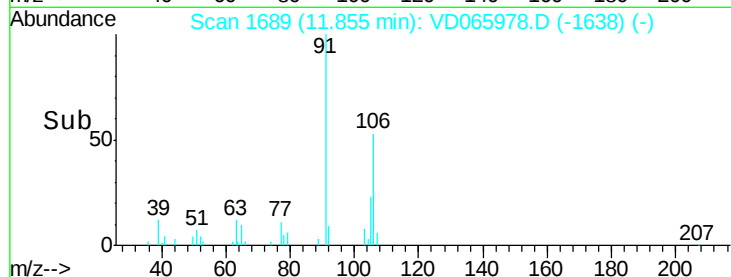
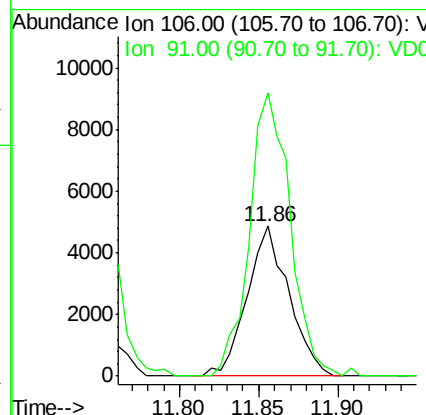
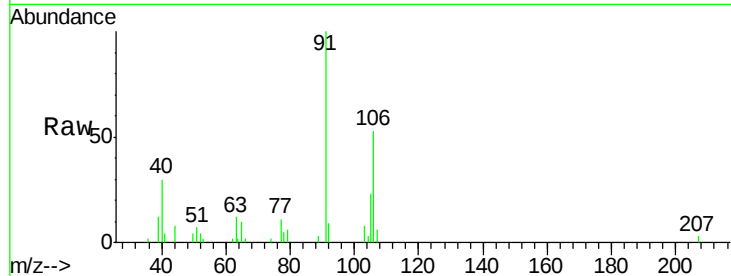




#68
m/p-Xylenes
Concen: 1.194 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065978.D
Acq: 21 Jul 2020 14:15

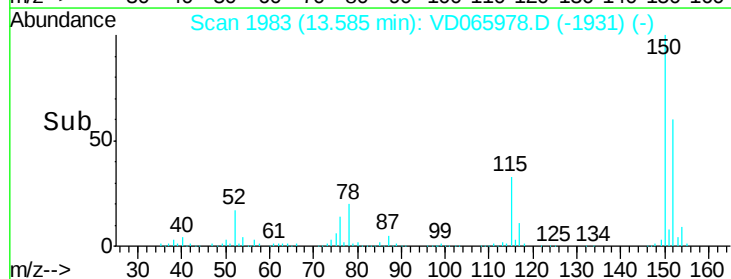
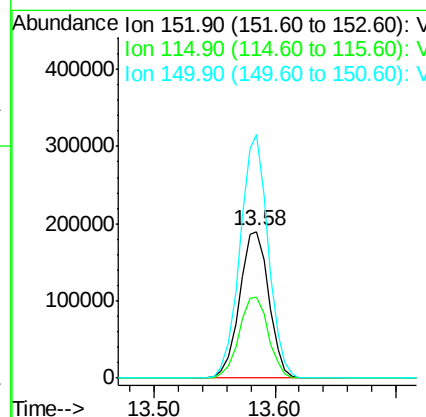
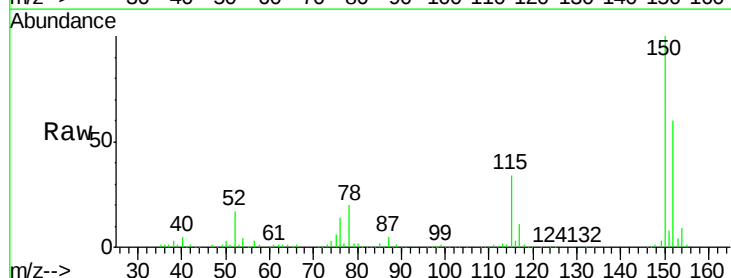
Instrument :
MSVOA_D
ClientSampleId :
VD0721SBL01

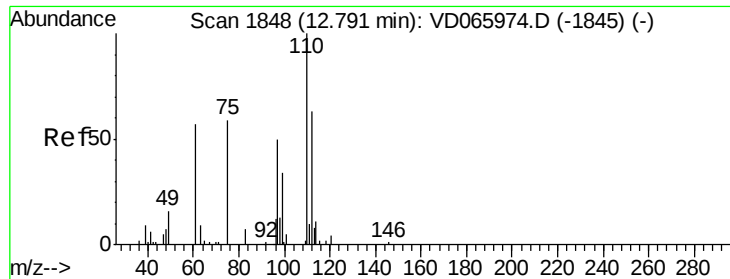
Tgt Ion:106 Resp: 8886
Ion Ratio Lower Upper
106 100
91 184.2 157.0 235.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD065978.D
Acq: 21 Jul 2020 14:15

Tgt Ion:152 Resp: 321247
Ion Ratio Lower Upper
152 100
115 55.2 27.9 83.7
150 159.8 0.0 348.2

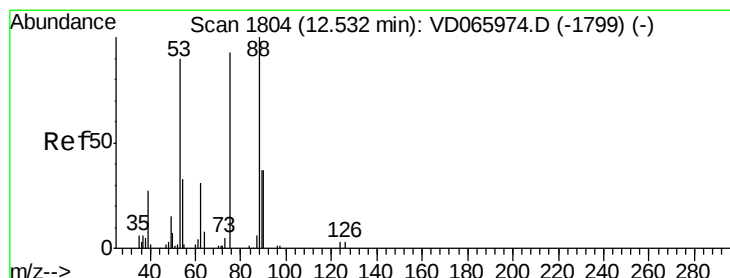
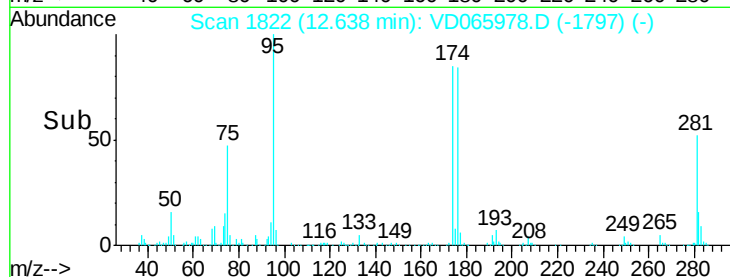
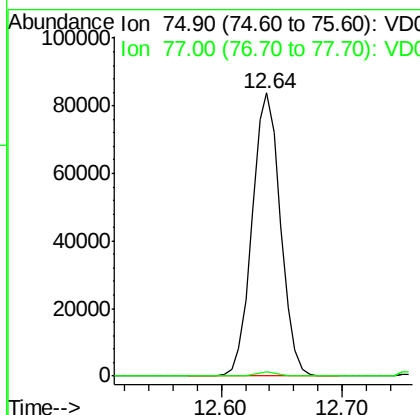
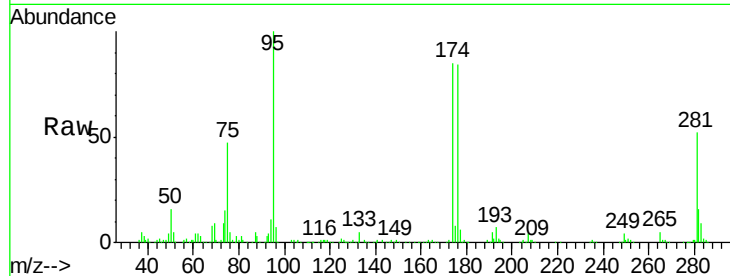




#76
 1,2,3-Trichloropropane
 Concen: 56.862 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065978.D
 Acq: 21 Jul 2020 14:15

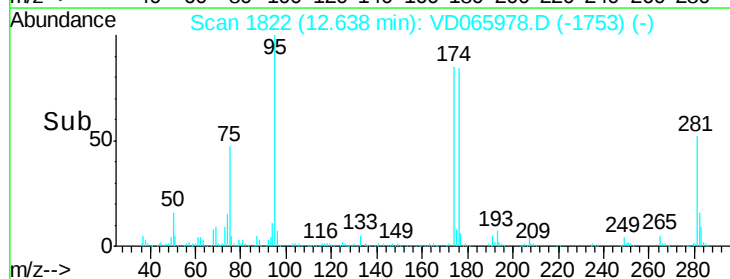
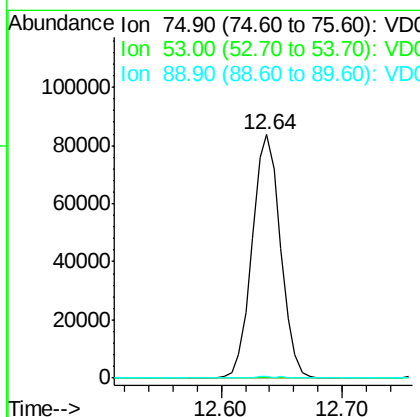
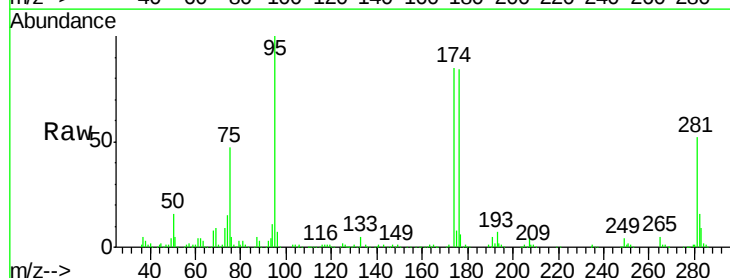
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBL01

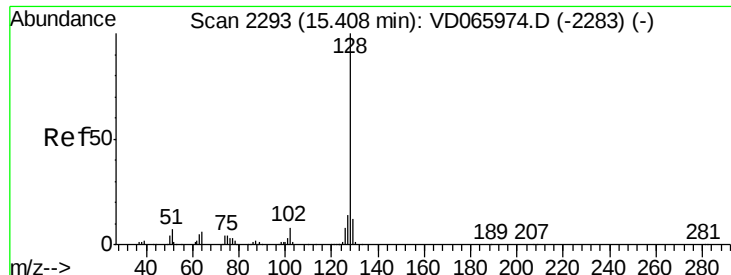
Tgt Ion: 75 Resp: 137539
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.478 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD065978.D
 Acq: 21 Jul 2020 14:15

Tgt Ion: 75 Resp: 137539
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.8 115.2#
 89 0.6 37.0 55.4#

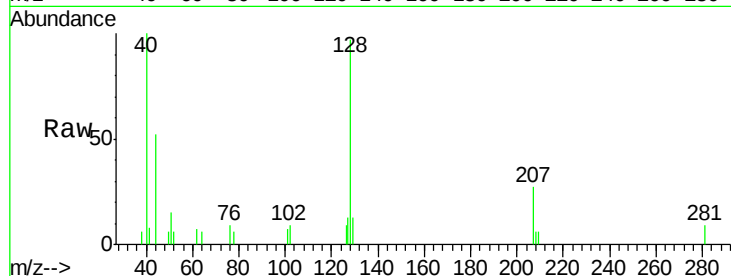




#95
Naphthalene
Concen: 4.073 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD065978.D
Acq: 21 Jul 2020 14:15

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBL01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.8	16.2
129	13.1	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

