

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066035.D
 Acq On : 23 Jul 2020 20:09
 Operator : VA/SY
 Sample : L3394-02
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Jul 24 03:10:02 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	316680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	486889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	520538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274212	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	129497	50.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.52%	
35) Dibromofluoromethane	7.92	113	148912	50.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.86%	
50) Toluene-d8	10.34	98	601359	54.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.32%	
62) 4-Bromofluorobenzene	12.64	95	238086	62.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	124.84%	

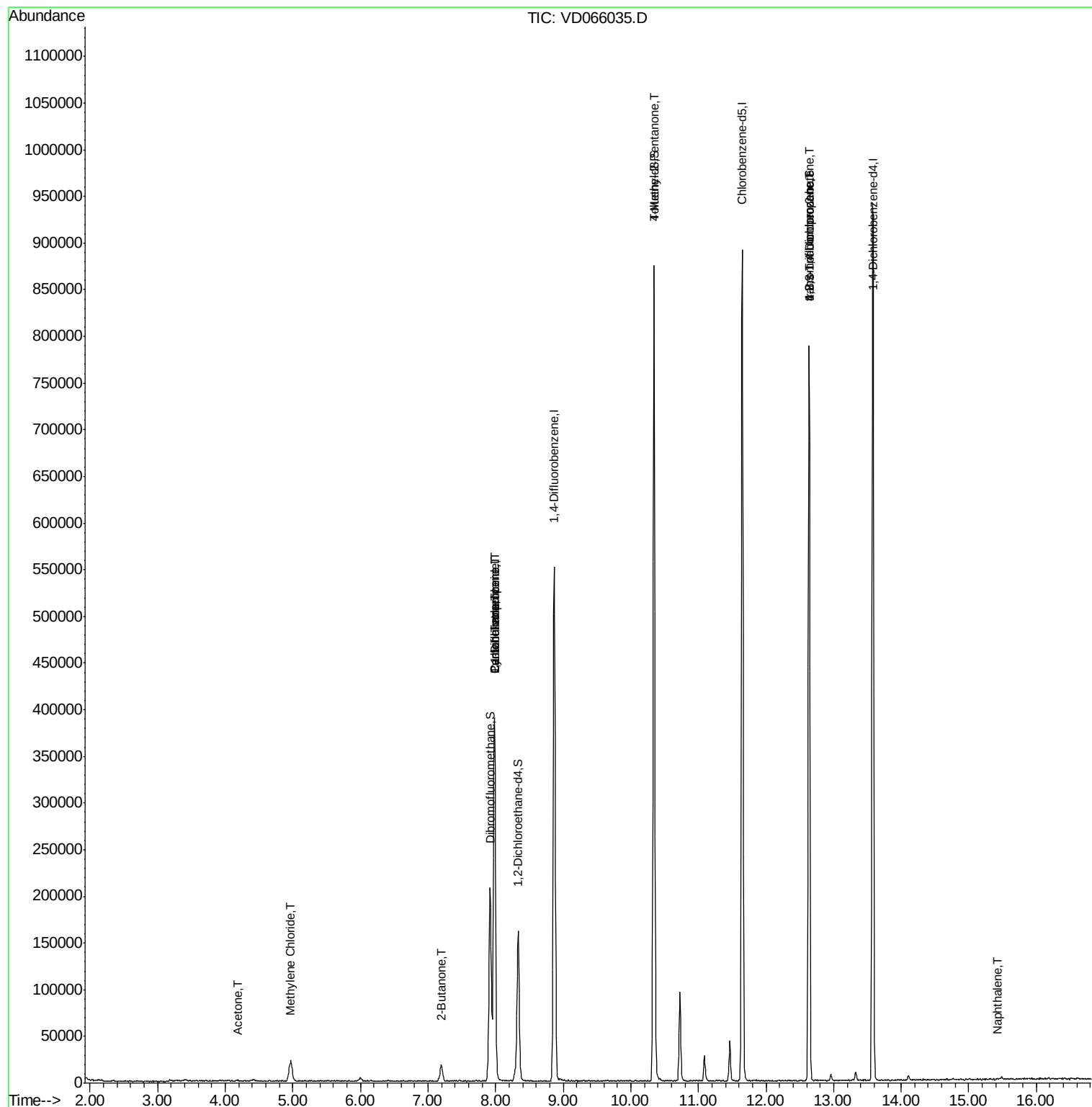
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	57	Below Cal	#	1
16) Acetone	4.19	43	774	1.484	ug/l #	42
20) Methylene Chloride	4.97	84	17843	3.425	ug/l	94
25) 2-Butanone	7.20	43	1029	1.487	ug/l #	50
31) Cyclohexane	7.98	56	5634	1.215	ug/l #	28
36) 1,1-Dichloropropene	7.98	75	21466	5.166	ug/l #	48
38) Carbon Tetrachloride	7.98	117	28259	6.268	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2512	1.608	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	117037	56.685	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	117037	130.073	ug/l #	11
95) Naphthalene	15.41	128	152	3.563	ug/l #	68

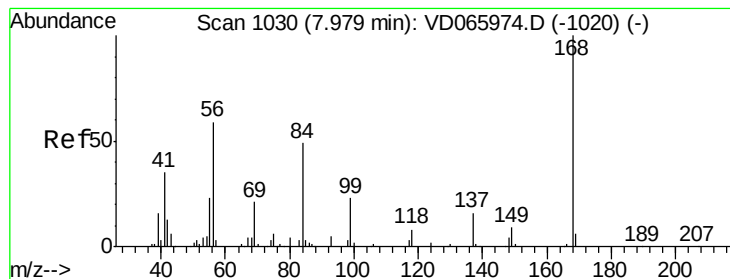
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066035.D

Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

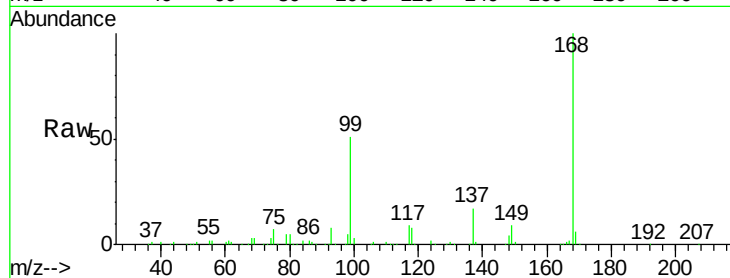
VOC

Tot Ion:168 Resp: 316680

Ion Ratio Lower Upper

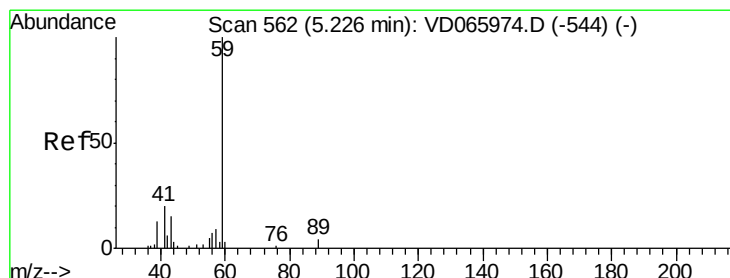
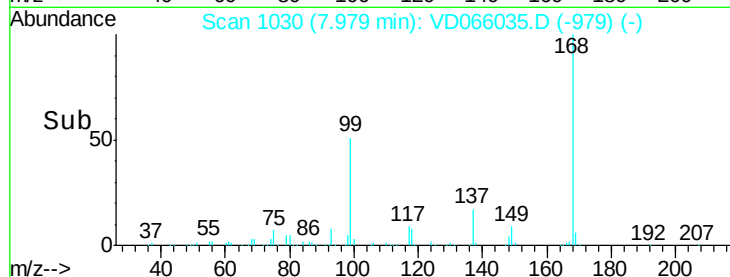
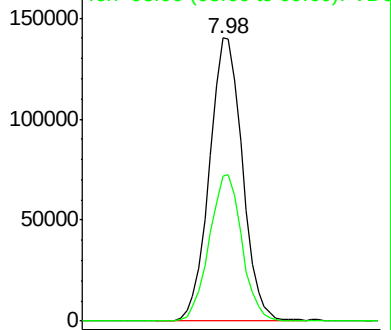
168 100

99 51.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066035.D

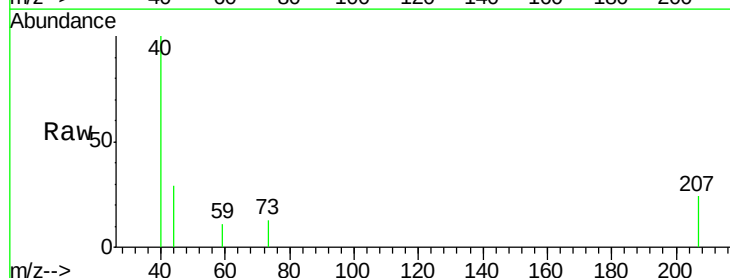
Acq: 23 Jul 2020 20:09

Tgt Ion: 59 Resp: 57

Ion Ratio Lower Upper

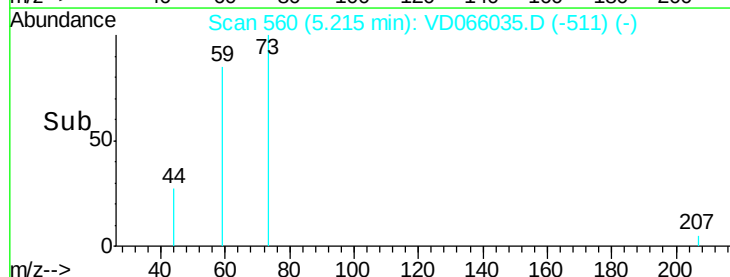
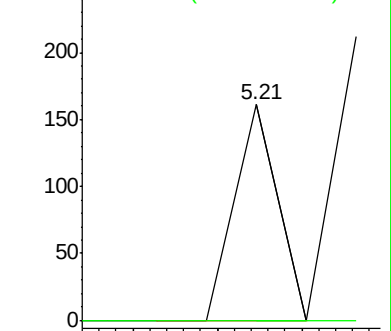
59 100

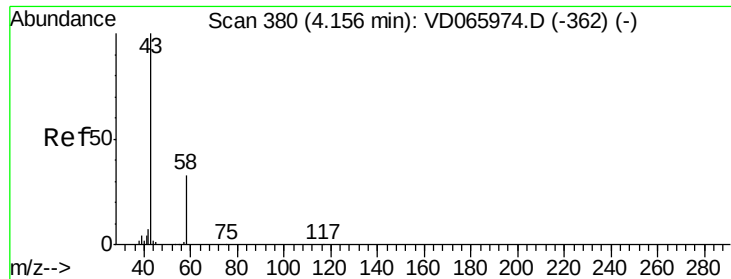
57 96.5 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.484 ug/l

RT: 4.19 min Scan# 385

Delta R.T. 0.03 min

Lab File: VD066035.D

Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

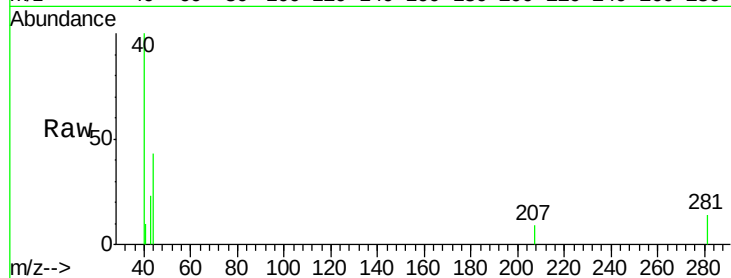
VOC

Tot Ion: 43 Resp: 774

Ion Ratio Lower Upper

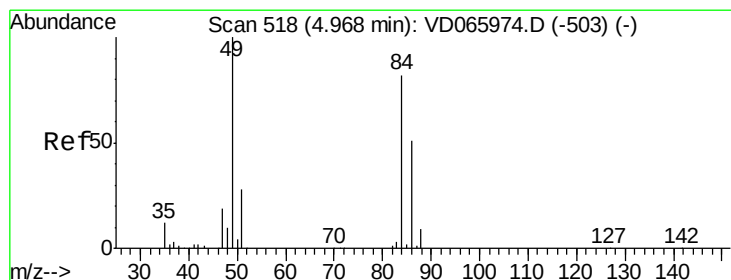
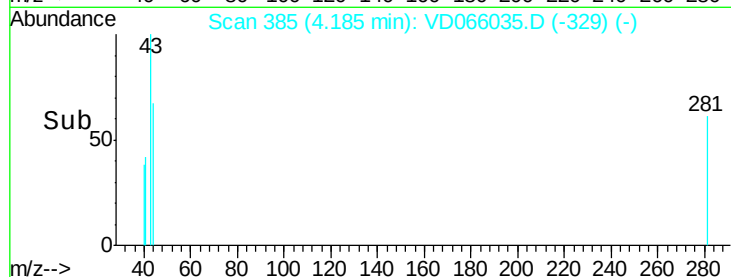
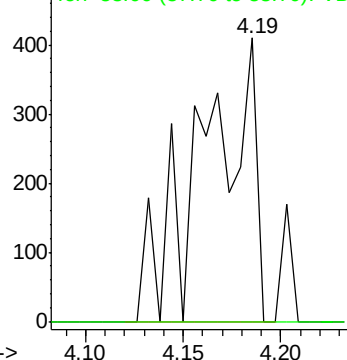
43 100

58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 3.425 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066035.D

Acq: 23 Jul 2020 20:09

Tgt Ion: 84 Resp: 17843

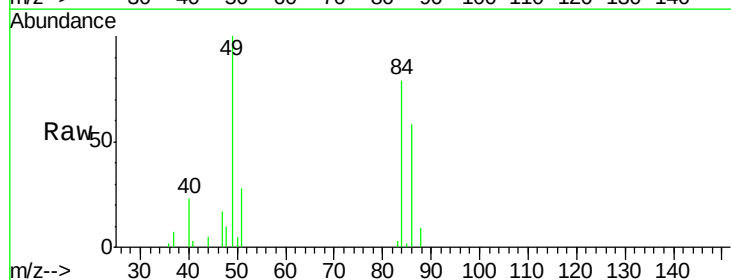
Ion Ratio Lower Upper

84 100

49 126.1 97.7 146.5

51 35.3 27.4 41.2

86 73.2 49.4 74.2

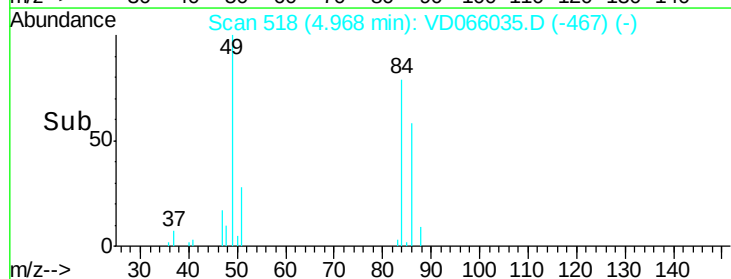
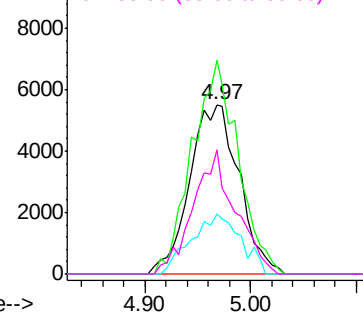


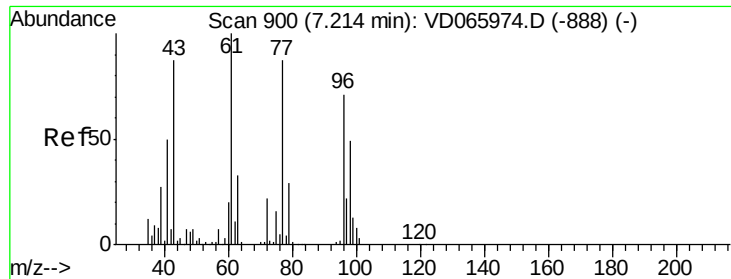
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.487 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD066035.D

Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_D

ClientSampled :

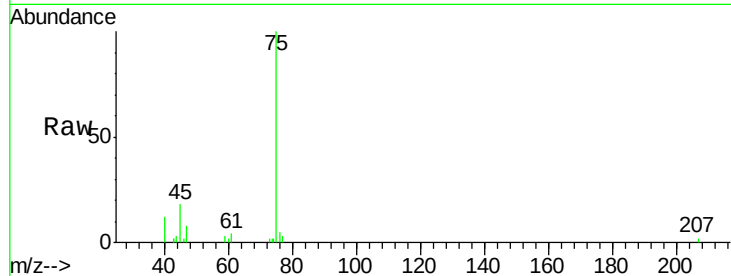
VOC

Tot Ion: 43 Resp: 1029

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.20

400

300

200

100

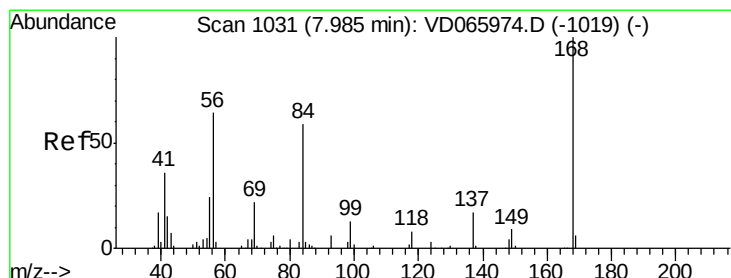
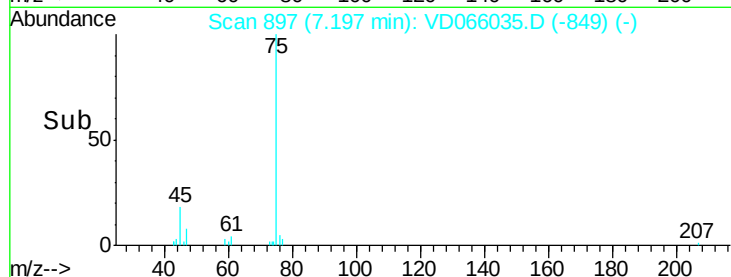
0

7.15

7.20

7.25

Time-->



#31

Cyclohexane

Concen: 1.215 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066035.D

Acq: 23 Jul 2020 20:09

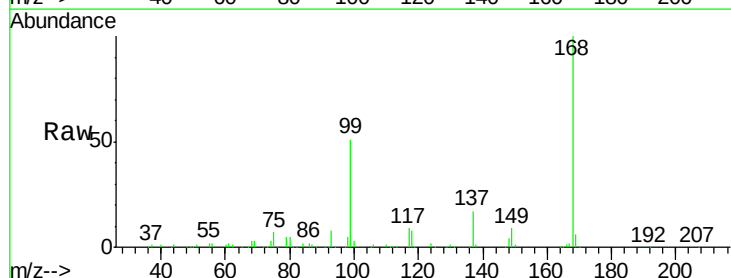
Tgt Ion: 56 Resp: 5634

Ion Ratio Lower Upper

56 100

69 177.0 28.0 42.0#

84 85.9 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

6000

4000

2000

0

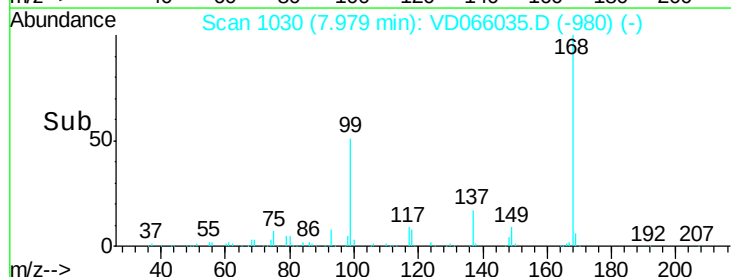
7.90

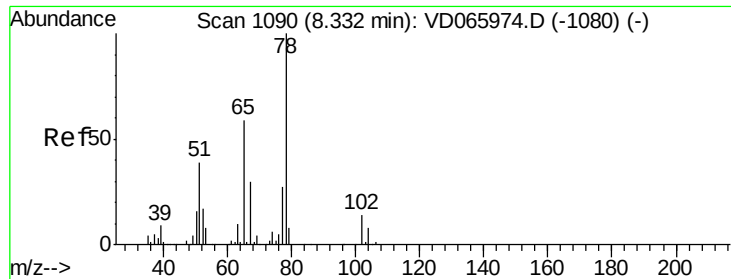
7.95

8.00

8.05

Time-->

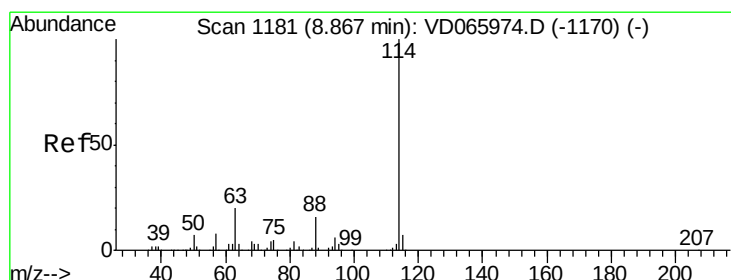
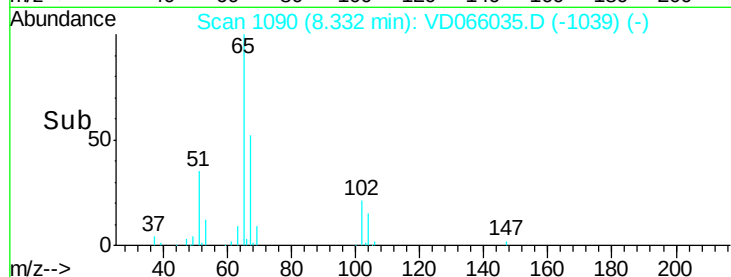
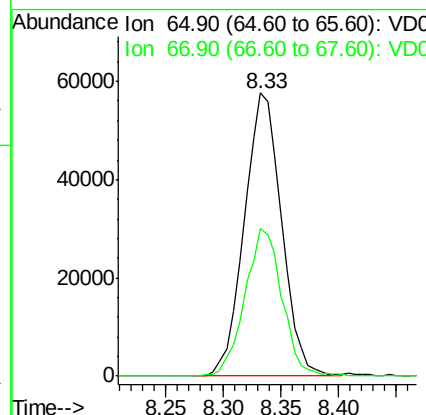
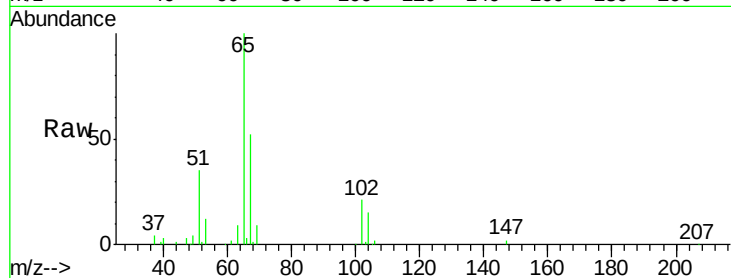




#33
 1,2-Dichloroethane-d4
 Concen: 50.255 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066035.D
 Acq: 23 Jul 2020 20:09

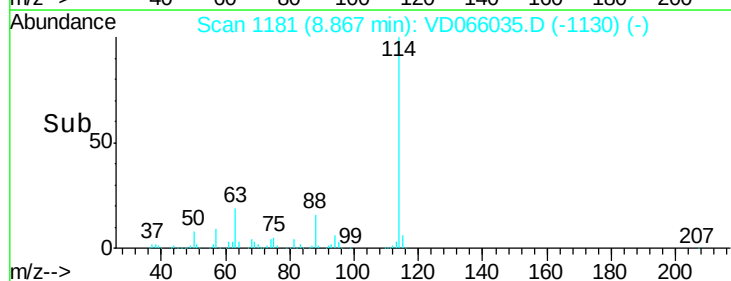
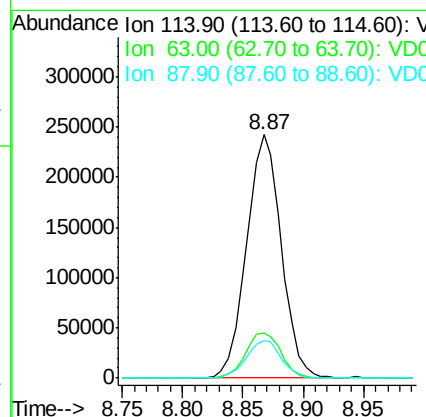
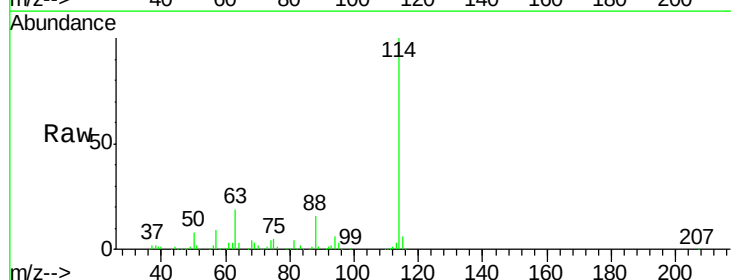
Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

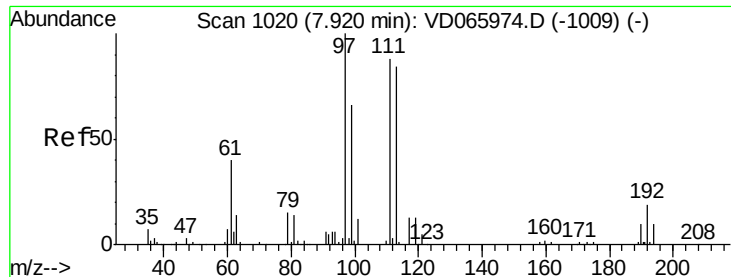
Tot Ion: 65 Resp: 129497
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD066035.D
 Acq: 23 Jul 2020 20:09

Tgt Ion: 114 Resp: 486889
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.6
 88 15.6 0.0 31.2

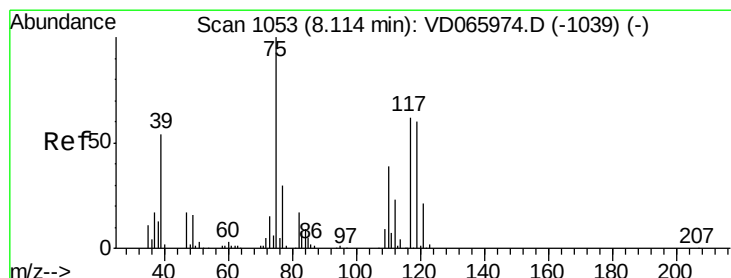
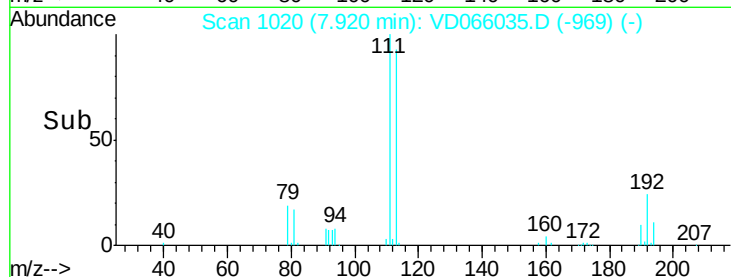
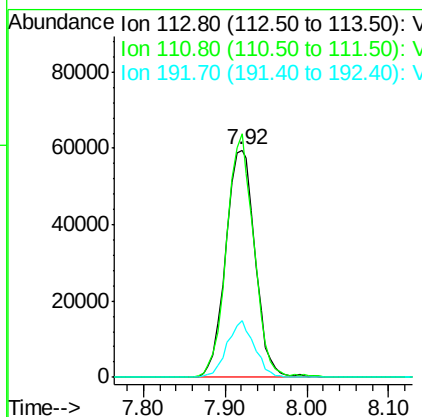
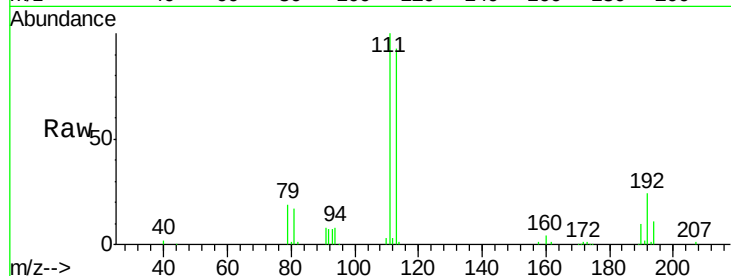




#35
 Dibromofluoromethane
 Concen: 50.425 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD066035.D
 Acq: 23 Jul 2020 20:09

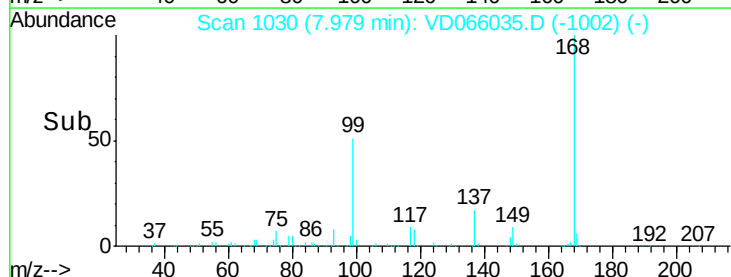
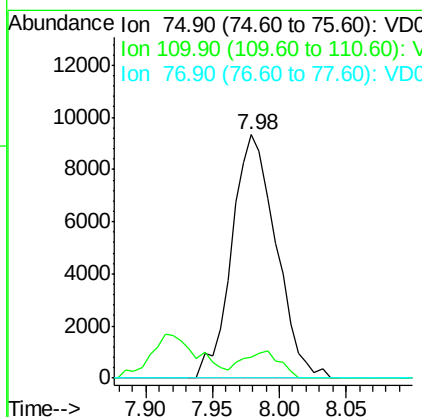
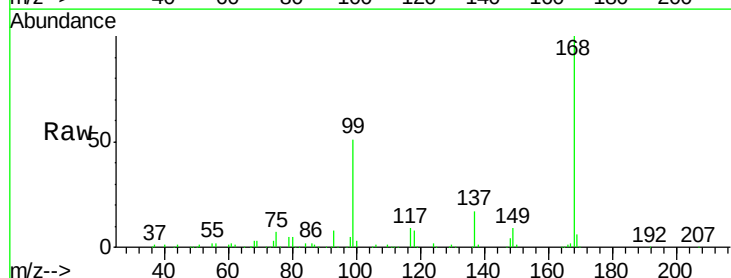
Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

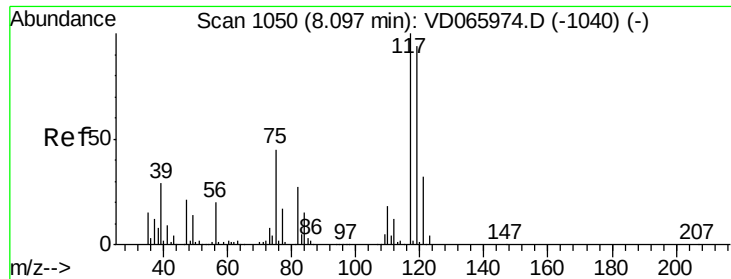
Tot Ion:113 Resp: 148912
 Ion Ratio Lower Upper
 113 100
 111 100.0 83.2 124.8
 192 23.2 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 5.166 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066035.D
 Acq: 23 Jul 2020 20:09

Tgt Ion: 75 Resp: 21466
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.5 58.5#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.268 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066035.D

Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VOC

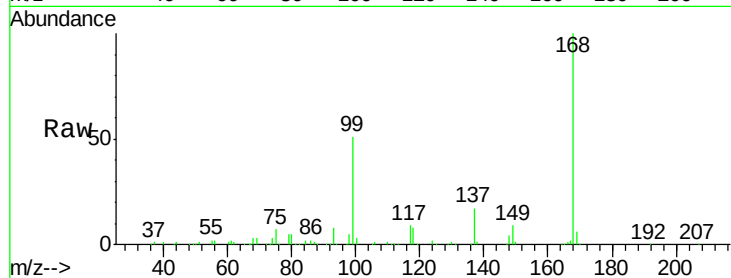
Tot Ion:117 Resp: 28259

Ion Ratio Lower Upper

117 100

119 3.6 75.0 112.6#

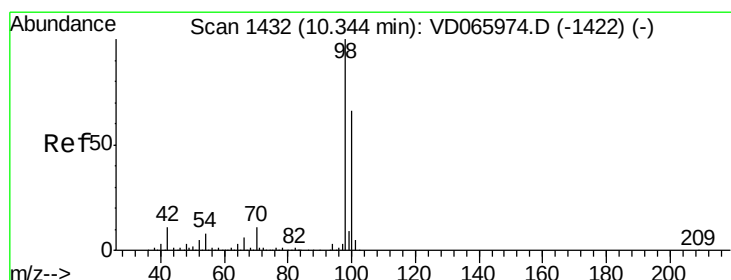
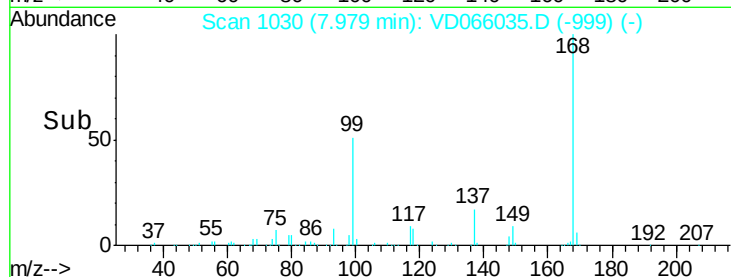
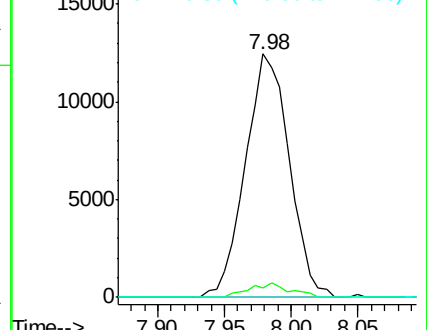
121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 54.663 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD066035.D

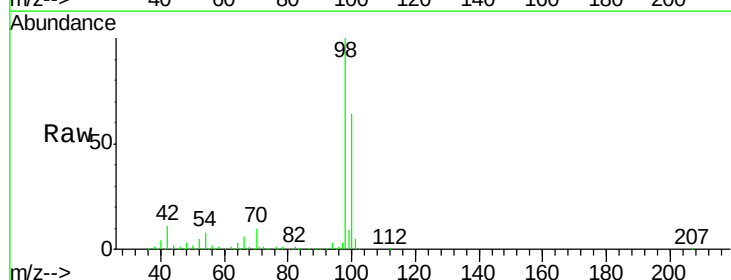
Acq: 23 Jul 2020 20:09

Tgt Ion: 98 Resp: 601359

Ion Ratio Lower Upper

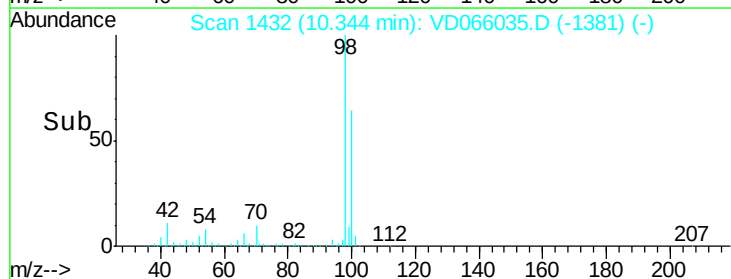
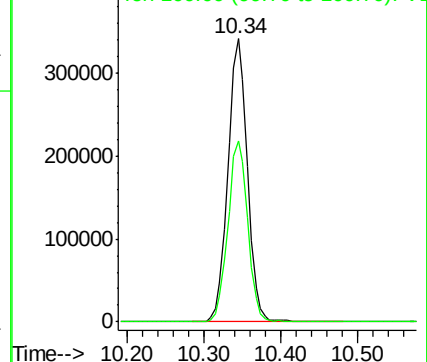
98 100

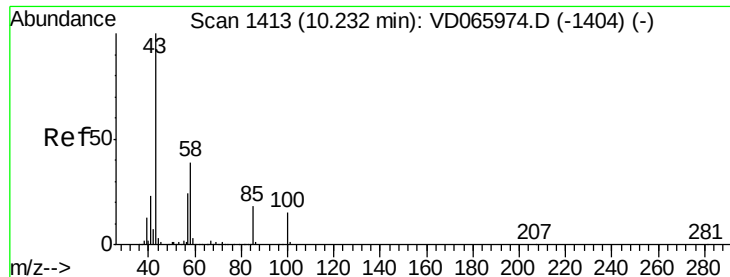
100 65.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

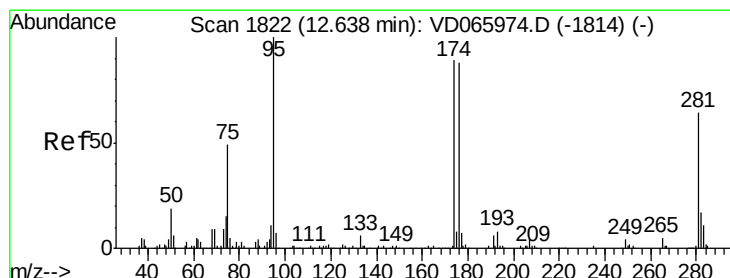
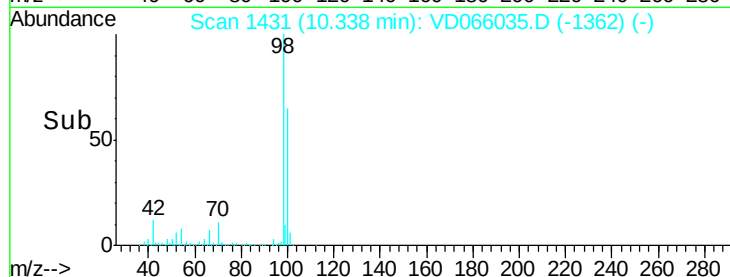
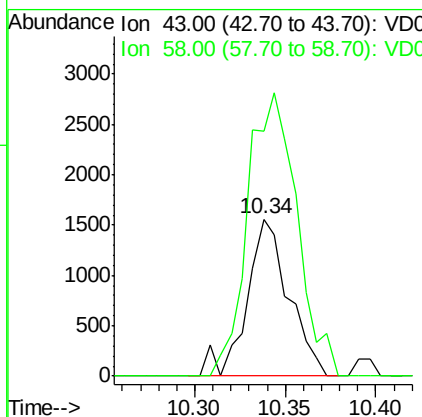
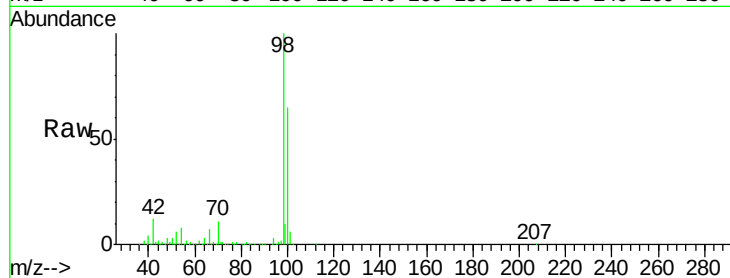




#51
4-Methyl-2-Pentanone
Concen: 1.608 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066035.D
Acq: 23 Jul 2020 20:09

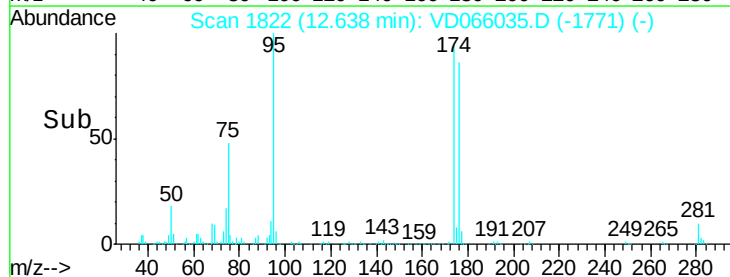
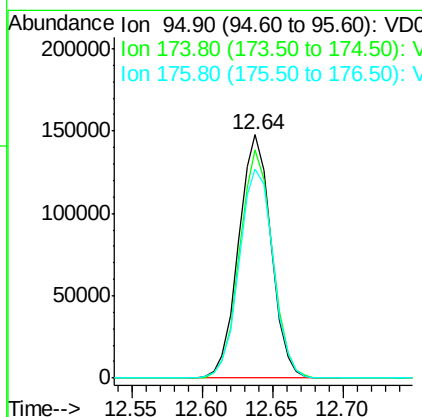
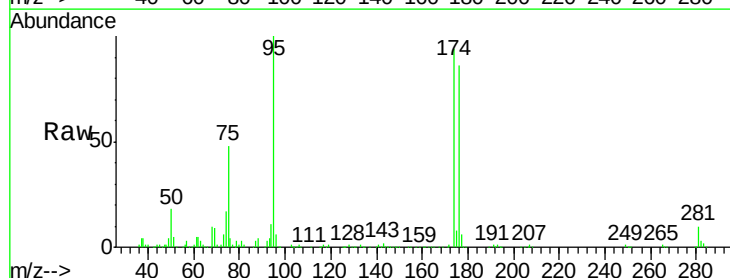
Instrument :
MSVOA_D
ClientSampled :
VOC

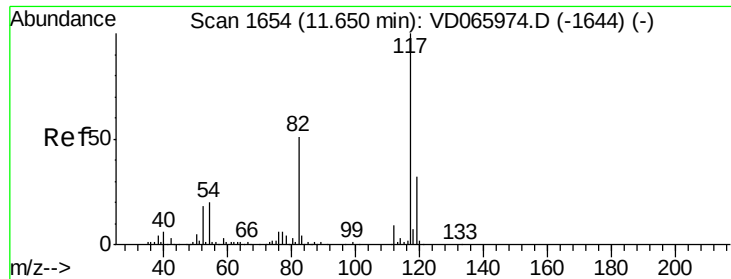
Tot Ion: 43 Resp: 2512
Ion Ratio Lower Upper
43 100
58 211.2 31.3 46.9#



#62
4-Bromofluorobenzene
Concen: 62.415 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066035.D
Acq: 23 Jul 2020 20:09

Tgt Ion: 95 Resp: 238086
Ion Ratio Lower Upper
95 100
174 94.3 0.0 178.8
176 89.5 0.0 172.6

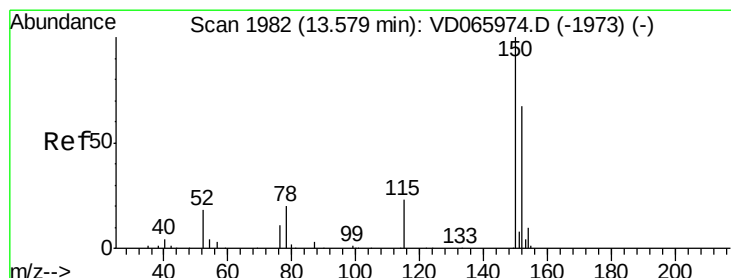
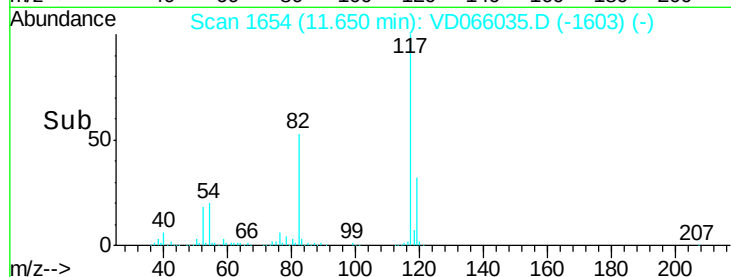
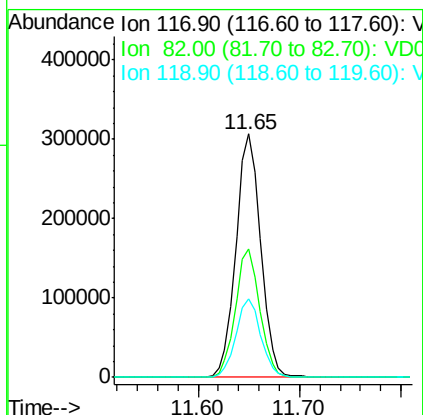
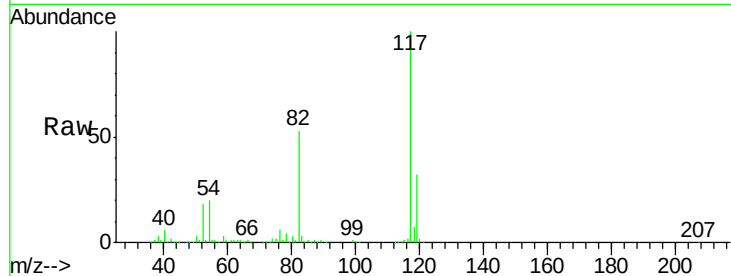




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066035.D
Acq: 23 Jul 2020 20:09

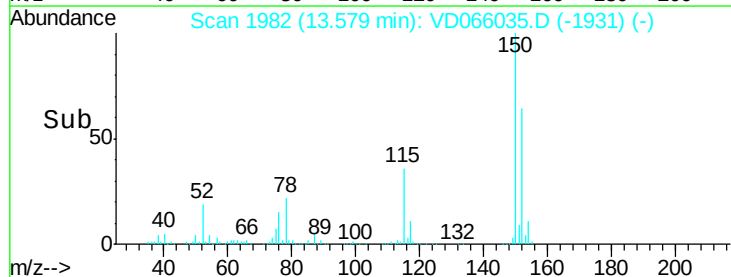
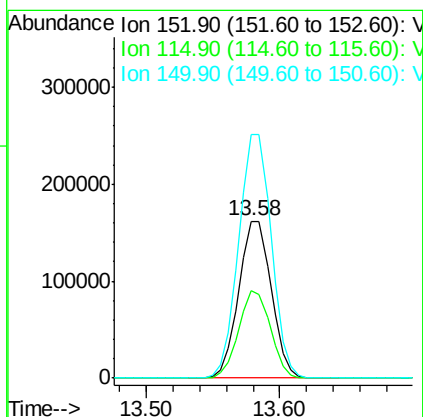
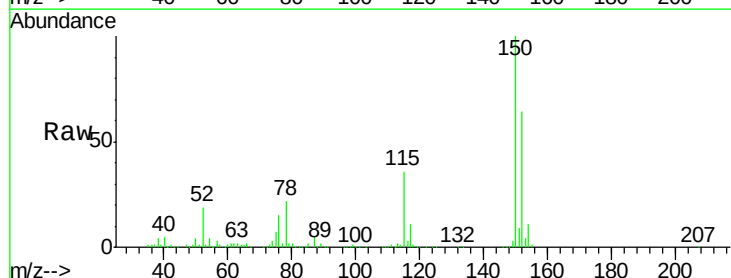
Instrument :
MSVOA_D
ClientSampleId :
VOC

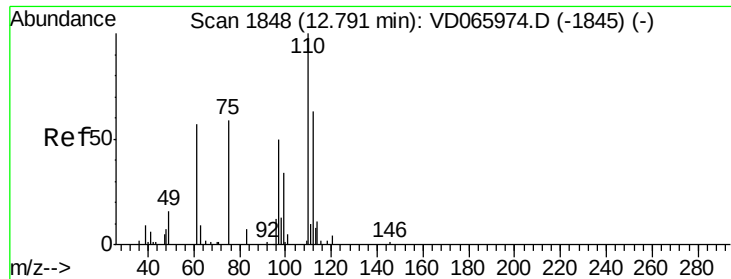
Tot Ion:117 Resp: 520538
Ion Ratio Lower Upper
117 100
82 52.9 41.1 61.7
119 32.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066035.D
Acq: 23 Jul 2020 20:09

Tgt Ion:152 Resp: 274212
Ion Ratio Lower Upper
152 100
115 54.3 27.9 83.7
150 155.5 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 56.685 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066035.D

Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

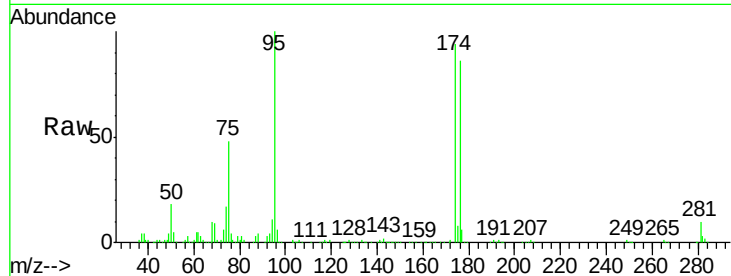
VOC

Tot Ion: 75 Resp: 117037

Ion Ratio Lower Upper

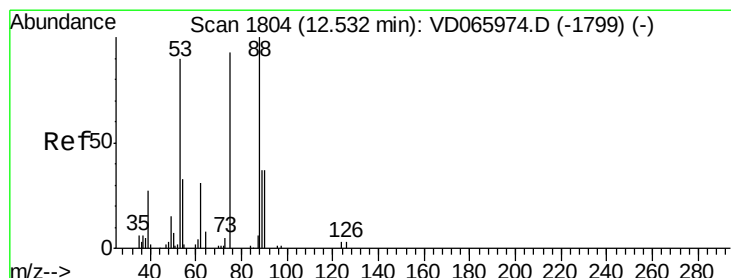
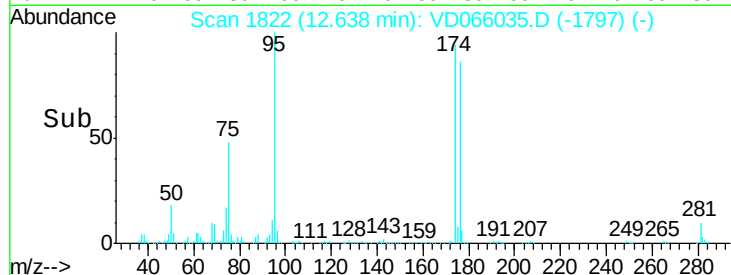
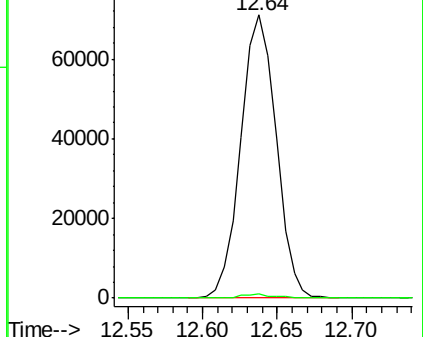
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 130.073 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066035.D

Acq: 23 Jul 2020 20:09

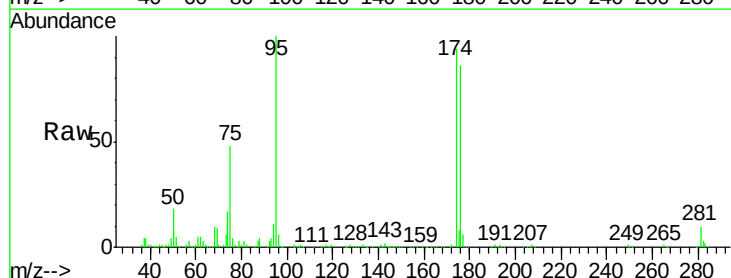
Tgt Ion: 75 Resp: 117037

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

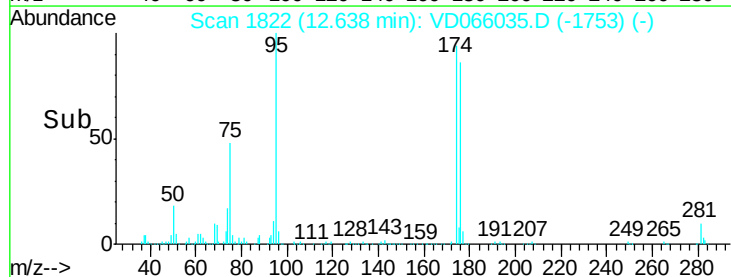
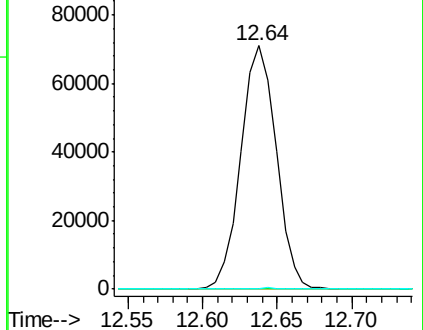
89 0.1 37.0 55.4#

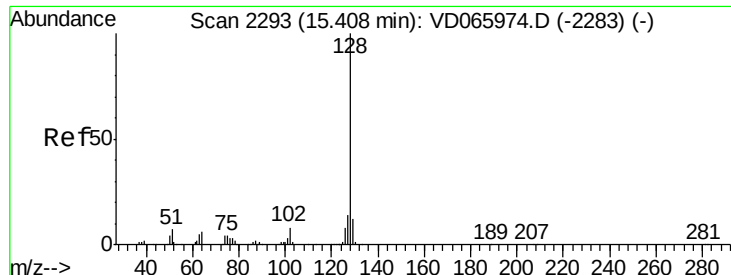


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 3.563 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066035.D

Acq: 23 Jul 2020 20:09

Instrument :

MSVOA_D

ClientSampleId :

VOC

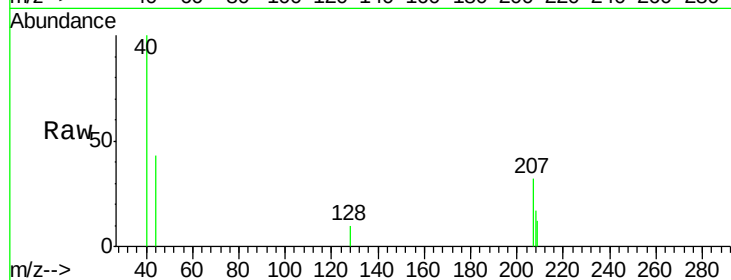
Tot Ion:128 Resp: 152

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 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

