

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066091.D
 Acq On : 29 Jul 2020 16:05
 Operator : VA/SY
 Sample : L3489-07
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 01:31:28 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	233932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	376041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	419253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	226549	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	107766	56.62	ug/l	0.00
Spiked Amount			Recovery	=	113.24%	
35) Dibromofluoromethane	7.92	113	118572	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
50) Toluene-d8	10.34	98	465048	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	
62) 4-Bromofluorobenzene	12.64	95	194060	65.87	ug/l	0.00
Spiked Amount			Recovery	=	131.74%	

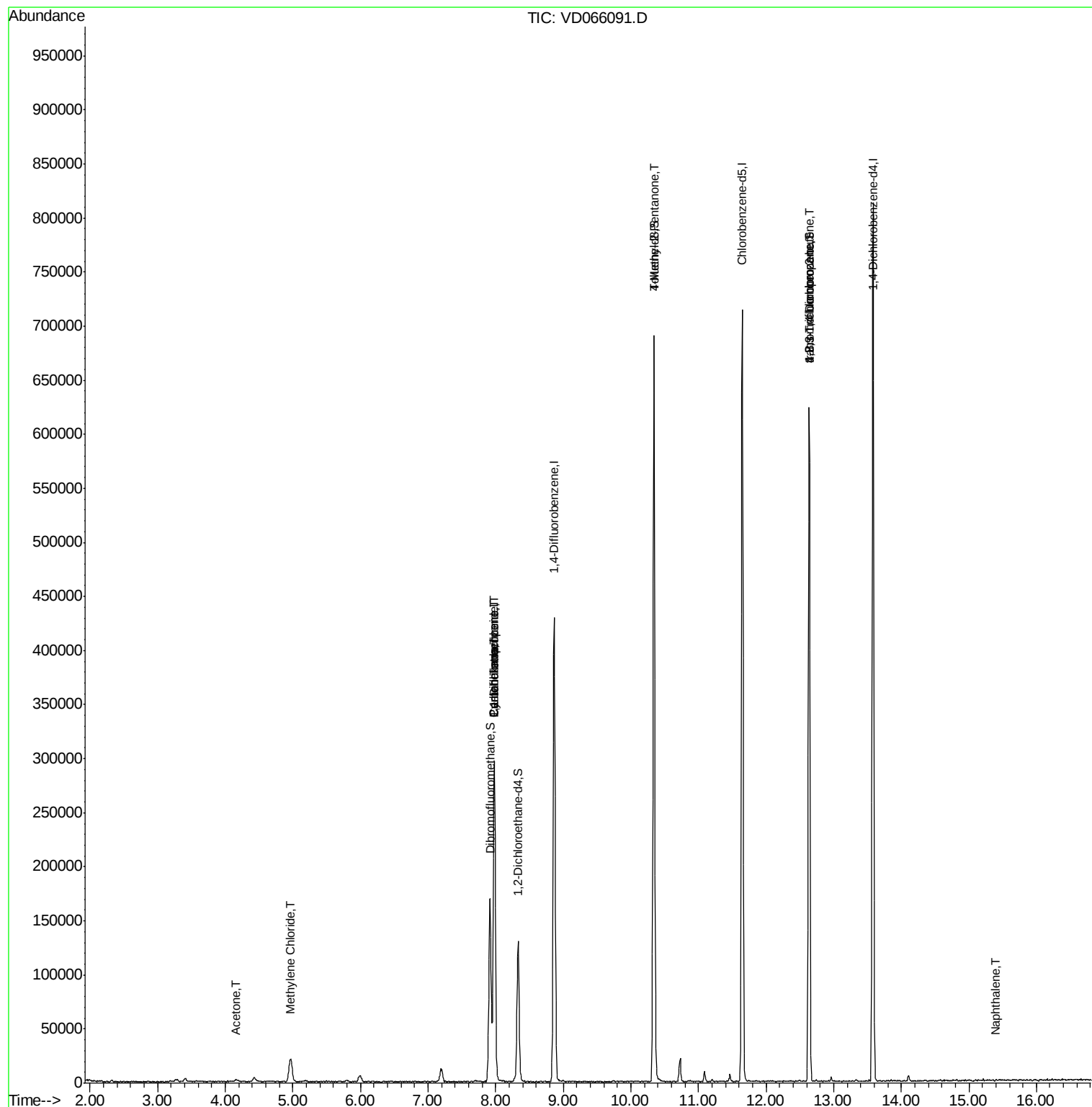
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	437	Below Cal	#	83
16) Acetone	4.16	43	3834	9.951	ug/l #	81
20) Methylene Chloride	4.96	84	17305	5.483	ug/l #	82
31) Cyclohexane	7.98	56	4622	1.350	ug/l #	41
36) 1,1-Dichloropropene	7.98	75	15813	4.927	ug/l #	53
38) Carbon Tetrachloride	7.98	117	21861	6.278	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	2552	2.116	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	96876	56.792	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	96876	130.318	ug/l #	11
95) Naphthalene	15.41	128	218	3.575	ug/l #	68

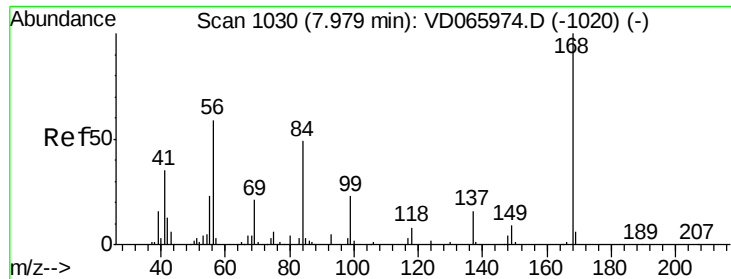
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072920\
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Quant Time: Jul 30 01:31:28 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: VD066091.D

Acq: 29 Jul 2020 16:05

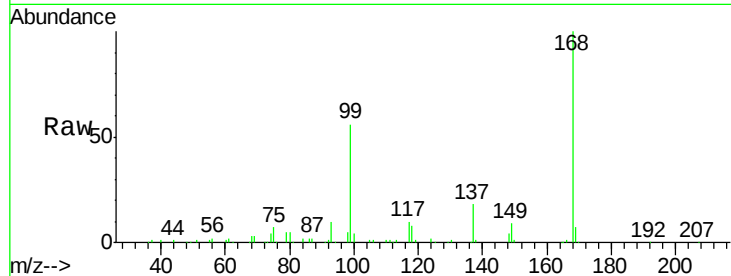
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 233932

Ion Ratio Lower Upper

168 100

99 56.2 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

100000

80000

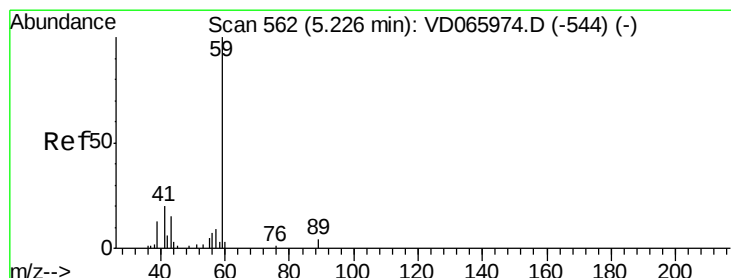
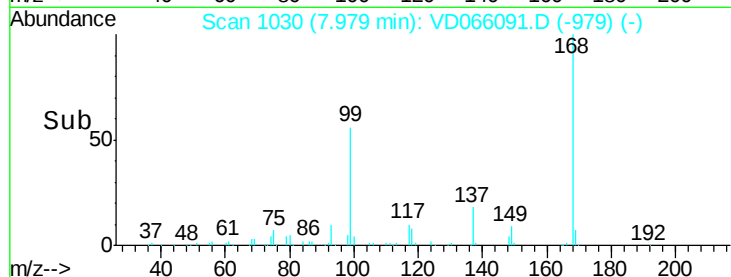
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066091.D

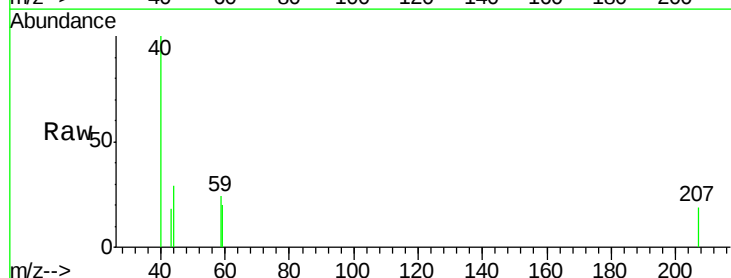
Acq: 29 Jul 2020 16:05

Tgt Ion: 59 Resp: 437

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

5.21

400

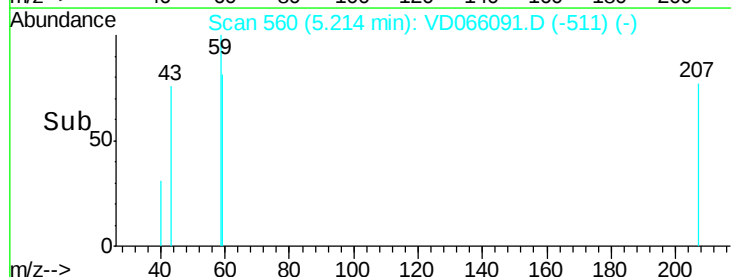
300

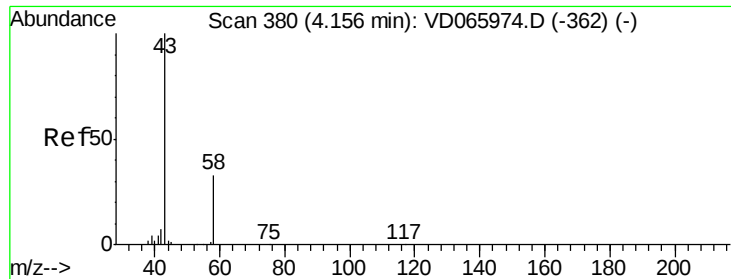
200

100

0

Time-->

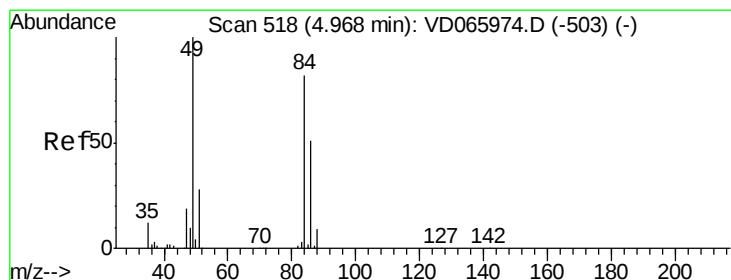
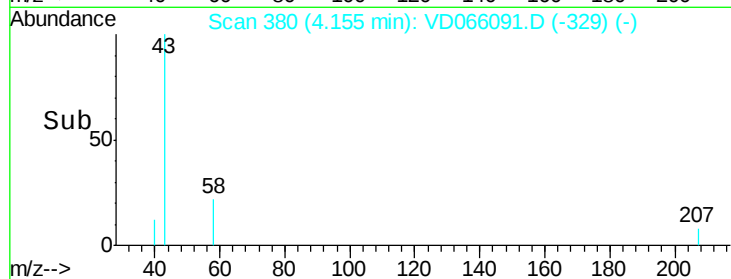
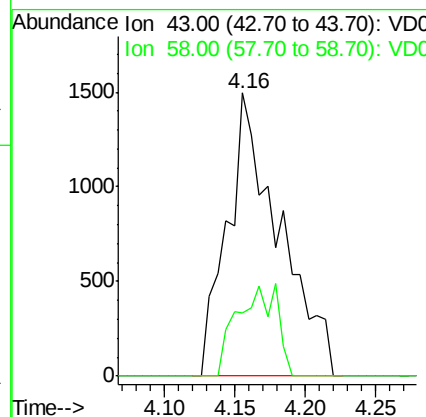
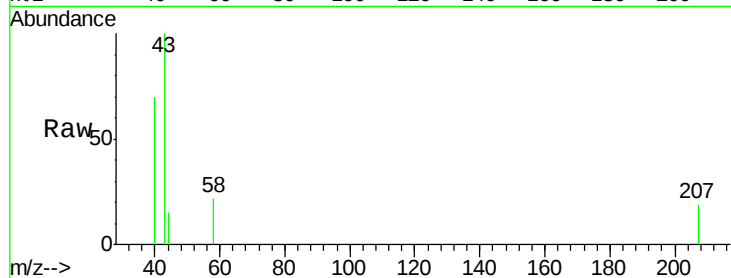




#16
Acetone
Concen: 9.951 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD066091.D
Acq: 29 Jul 2020 16:05

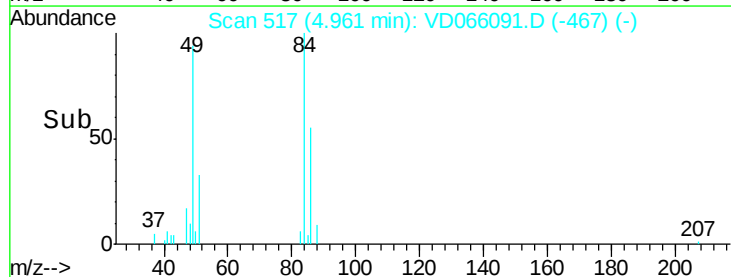
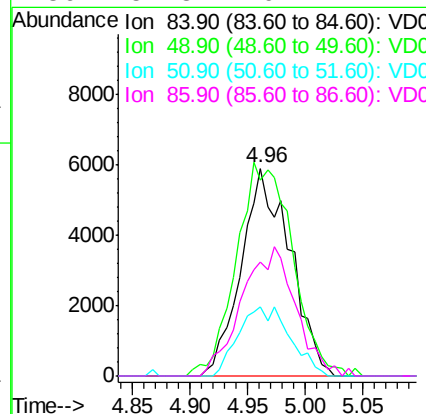
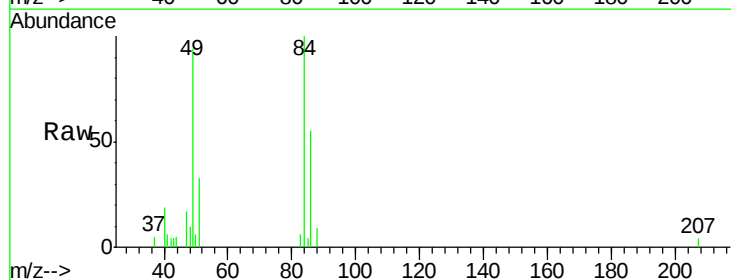
Instrument :
MSVOA_D
ClientSampleId :

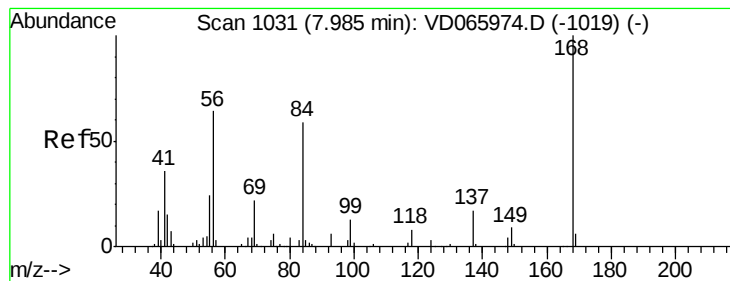
Tot Ion: 43 Resp: 3834
Ion Ratio Lower Upper
43 100
58 22.3 26.3 39.5#



#20
Methylene Chloride
Concen: 5.483 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066091.D
Acq: 29 Jul 2020 16:05

Tgt Ion: 84 Resp: 17305
Ion Ratio Lower Upper
84 100
49 91.3 97.7 146.5#
51 33.2 27.4 41.2
86 54.8 49.4 74.2





#31

Cyclohexane

Concen: 1.350 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066091.D

Acq: 29 Jul 2020 16:05

Instrument :

MSVOA_D

ClientSampled :

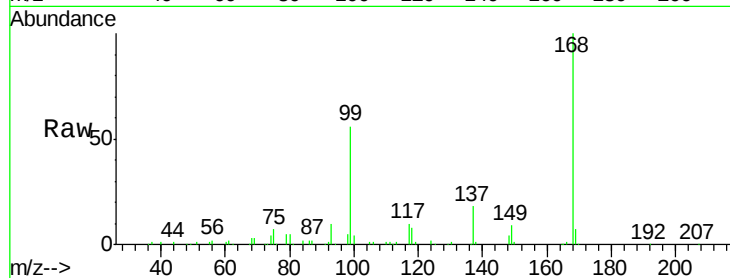
Tot Ion: 56 Resp: 4622

Ion Ratio Lower Upper

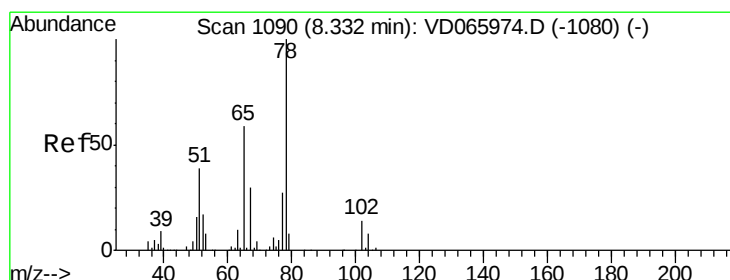
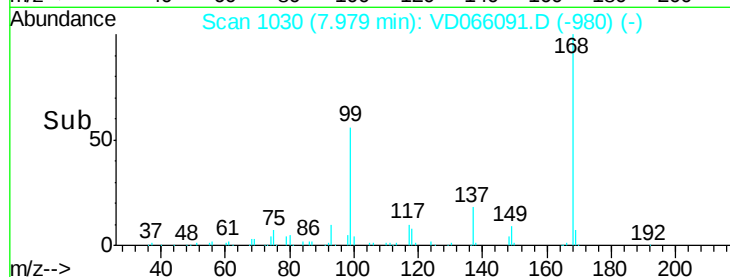
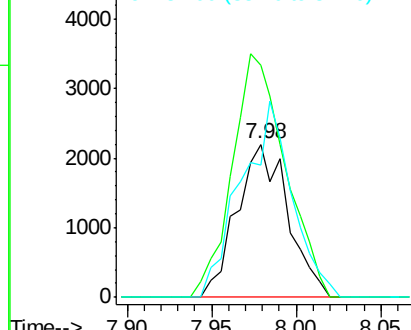
56 100

69 151.6 28.0 42.0#

84 86.6 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: 56.615 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066091.D

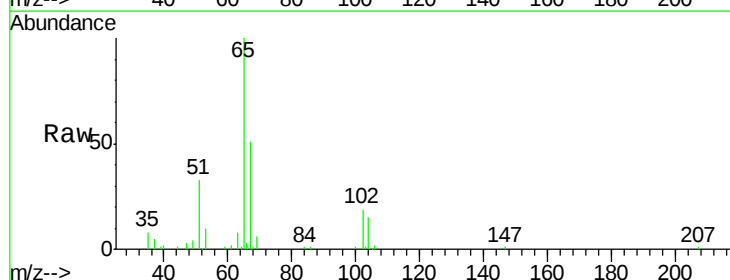
Acq: 29 Jul 2020 16:05

Tgt Ion: 65 Resp: 107766

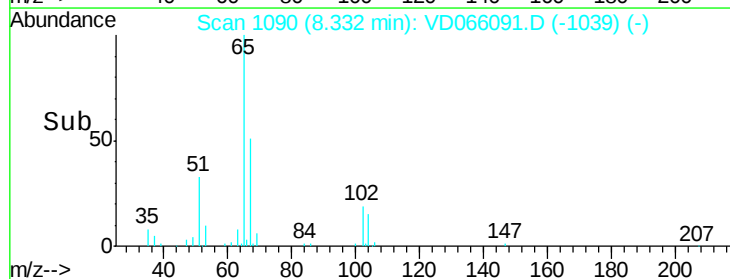
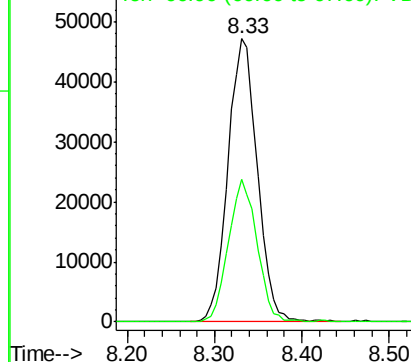
Ion Ratio Lower Upper

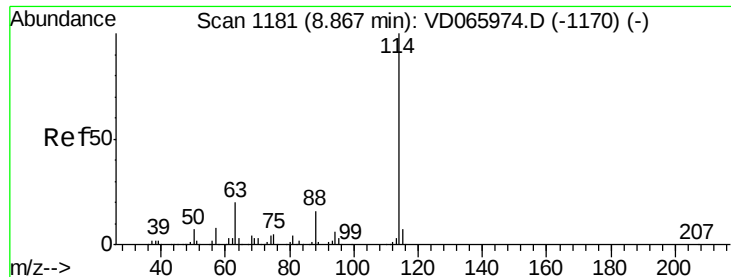
65 100

67 48.9 0.0 105.0



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

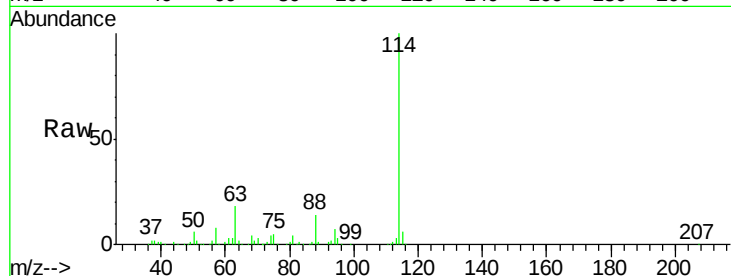




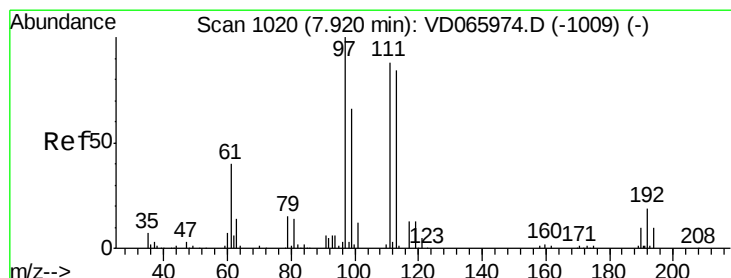
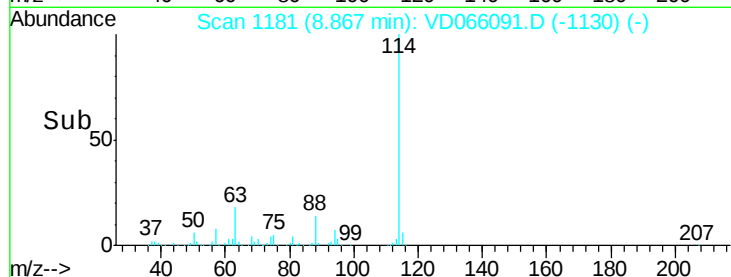
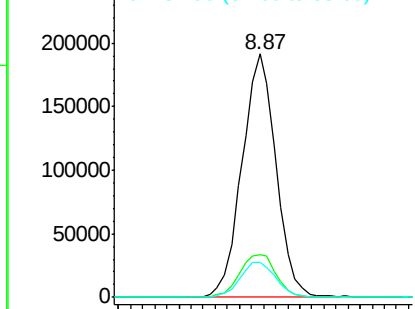
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066091.D
 Acq: 29 Jul 2020 16:05

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 376041
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 39.6
 88 14.5 0.0 31.2

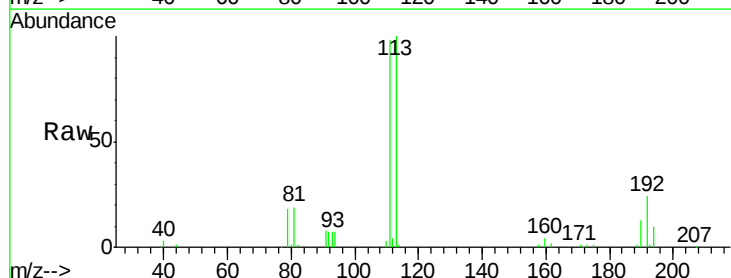


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

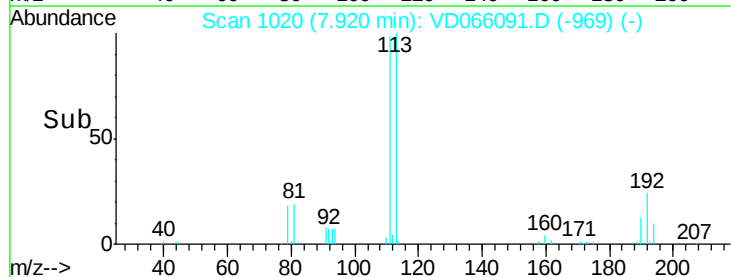
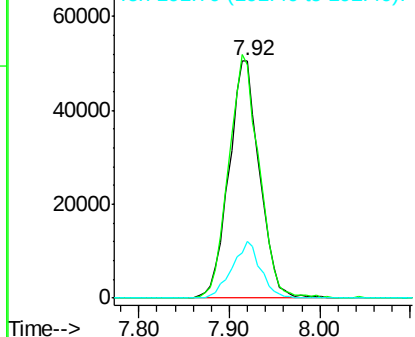


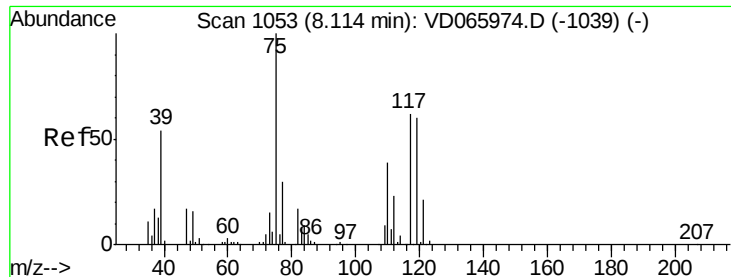
#35
 Dibromofluoromethane
 Concen: 51.987 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD066091.D
 Acq: 29 Jul 2020 16:05

Tgt Ion:113 Resp: 118572
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.2 124.8
 192 22.3 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

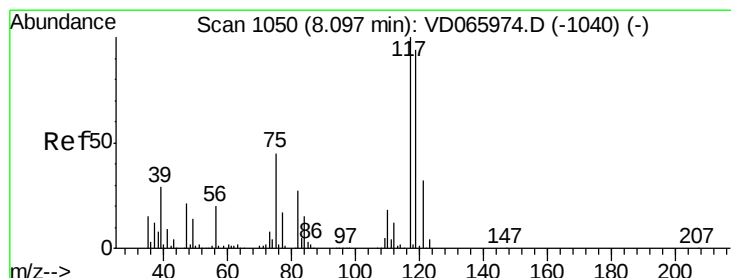
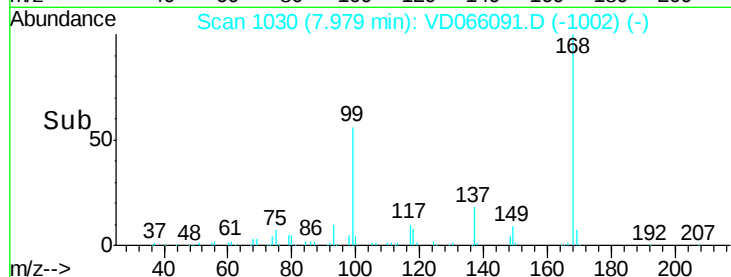
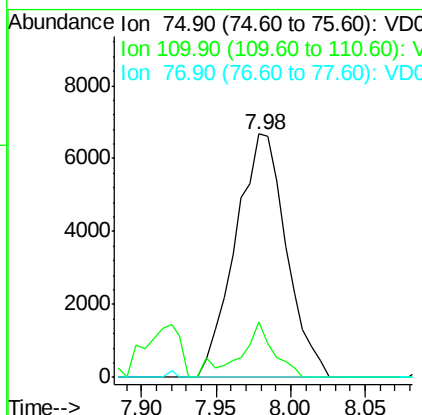
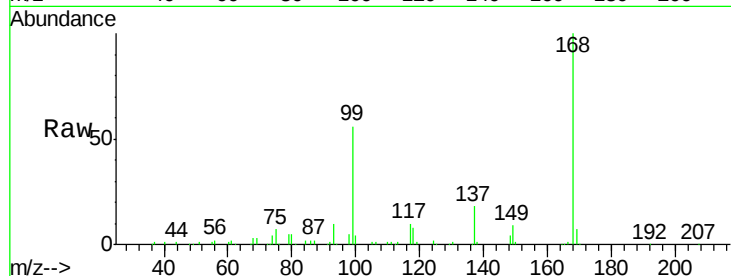




#36
 1,1-Dichloropropene
 Concen: 4.927 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066091.D
 Acq: 29 Jul 2020 16:05

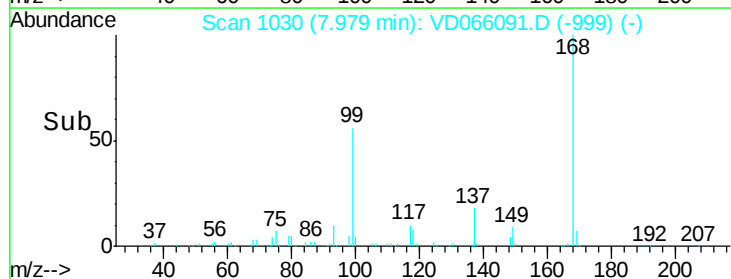
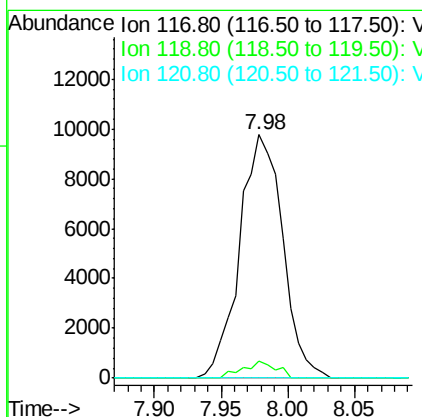
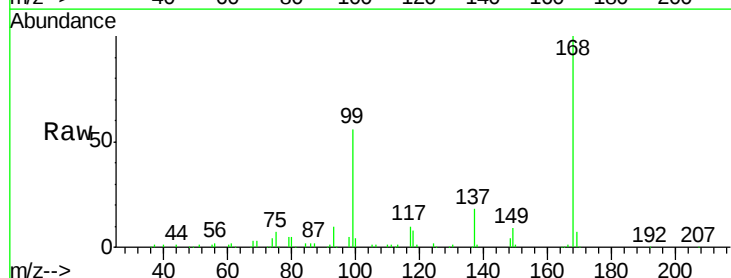
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 MSVOA_D
 ClientSampleId :

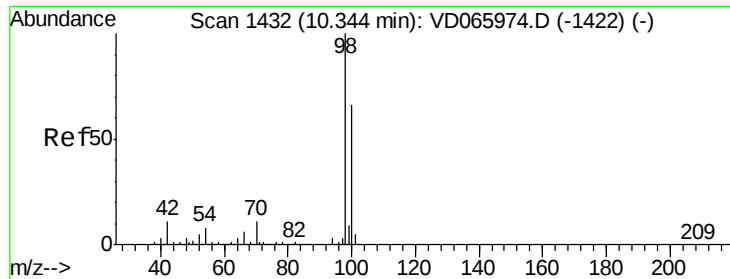
Tot Ion: 75 Resp: 15813
 Ion Ratio Lower Upper
 75 100
 110 14.8 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.278 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066091.D
 Acq: 29 Jul 2020 16:05

Tgt Ion: 117 Resp: 21861
 Ion Ratio Lower Upper
 117 100
 119 6.9 75.0 112.6#
 121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 54.733 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066091.D

Acq: 29 Jul 2020 16:05

Instrument :

MSVOA_D

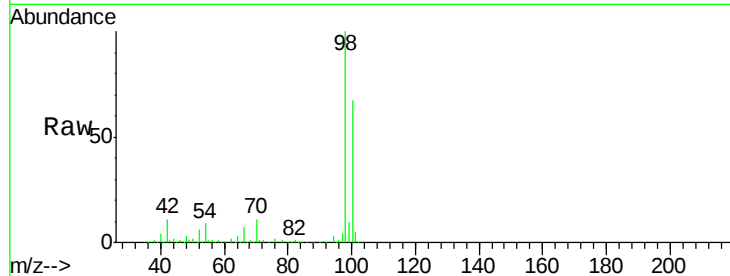
ClientSampleId :

Tot Ion: 98 Resp: 465048

Ion Ratio Lower Upper

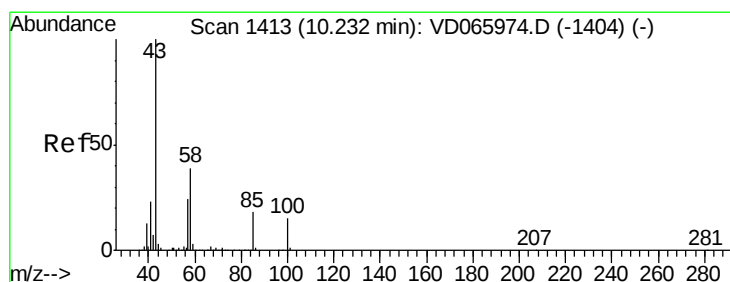
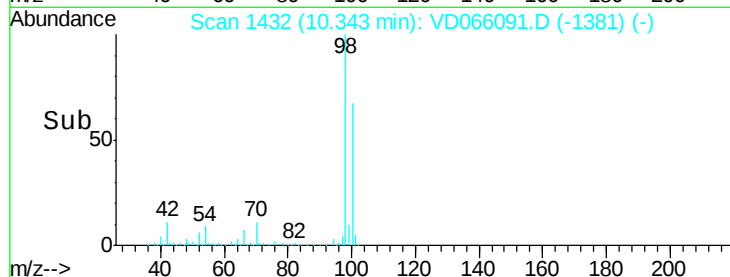
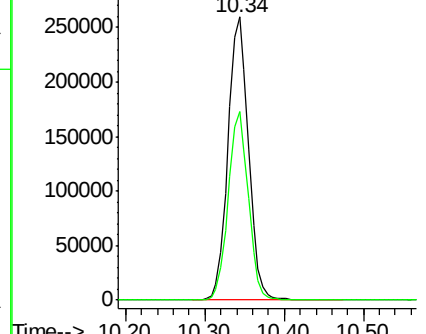
98 100

100 65.3 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: 2.116 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD066091.D

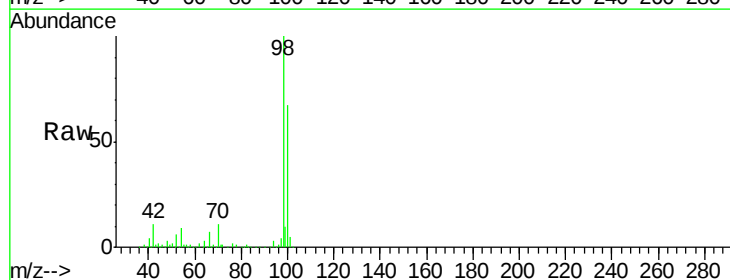
Acq: 29 Jul 2020 16:05

Tgt Ion: 43 Resp: 2552

Ion Ratio Lower Upper

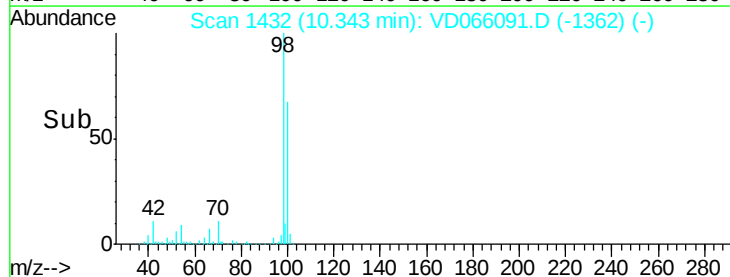
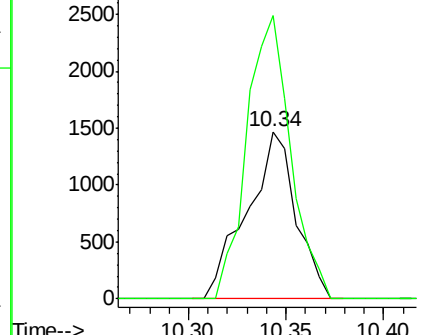
43 100

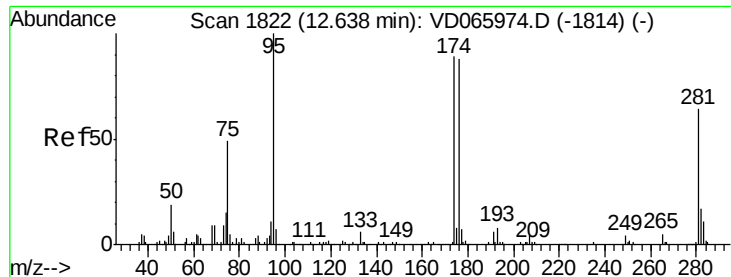
58 151.6 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

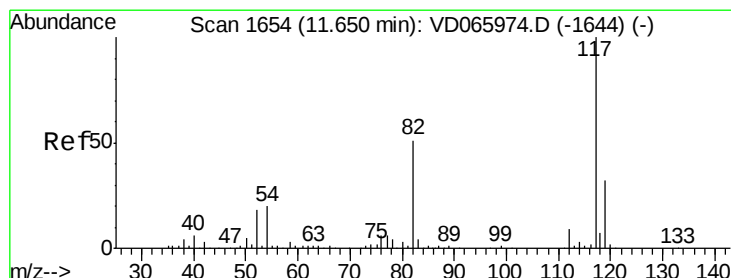
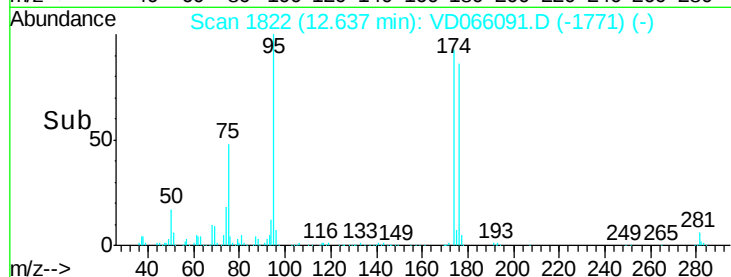
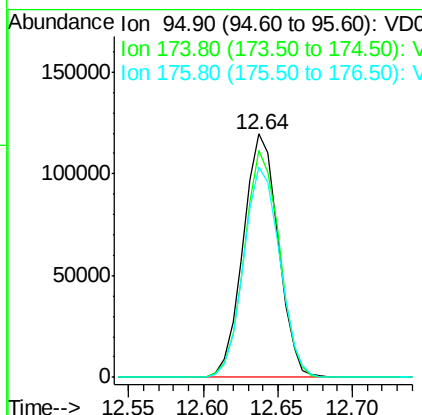
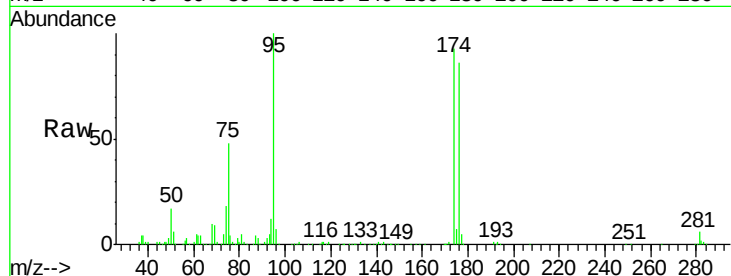




#62
4-Bromofluorobenzene
Concen: 65.870 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066091.D
Acq: 29 Jul 2020 16:05

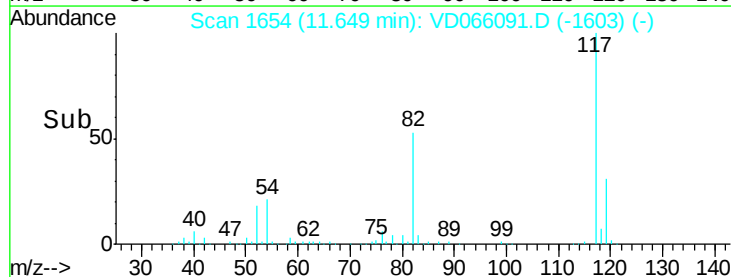
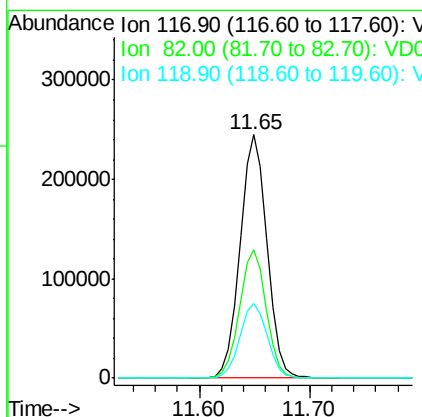
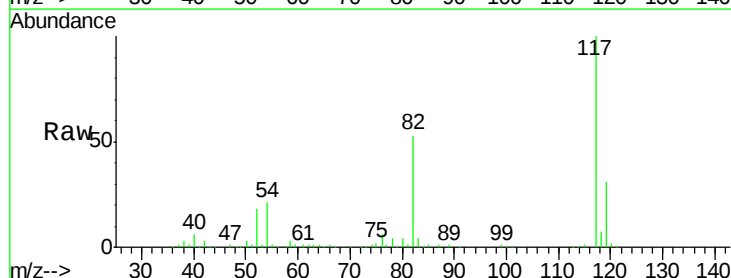
Instrument :
MSVOA_D
ClientSampleId :

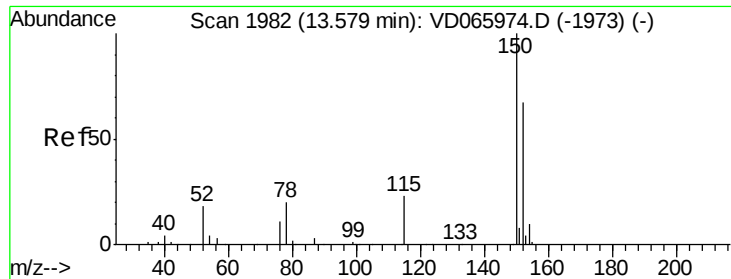
Tot Ion: 95 Resp: 194060
Ion Ratio Lower Upper
95 100
174 93.2 0.0 178.8
176 89.0 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066091.D
Acq: 29 Jul 2020 16:05

Tgt Ion: 117 Resp: 419253
Ion Ratio Lower Upper
117 100
82 52.6 41.1 61.7
119 30.9 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD066091.D

Acq: 29 Jul 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

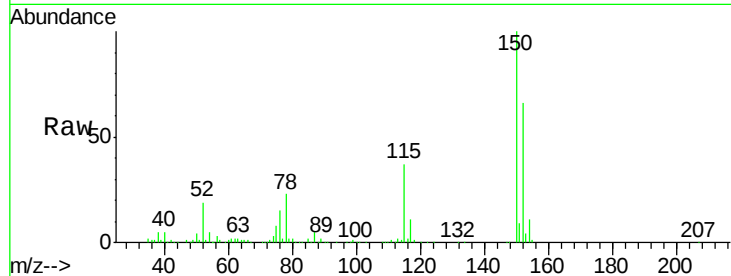
Tot Ion:152 Resp: 226549

Ion Ratio Lower Upper

152 100

115 57.1 27.9 83.7

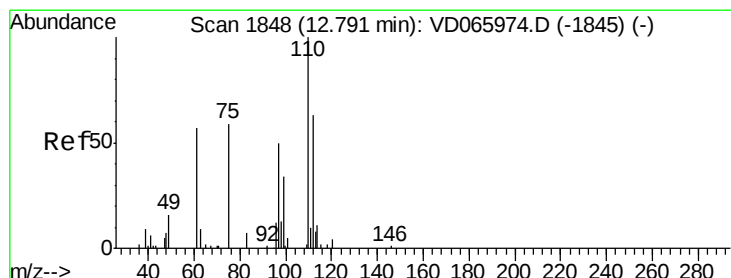
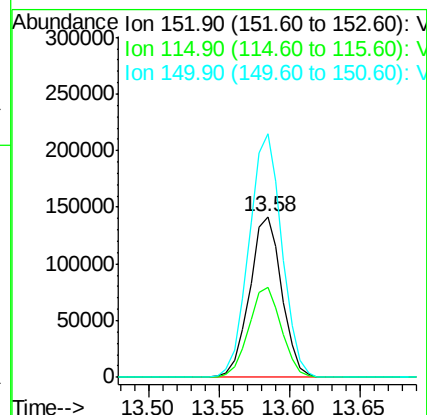
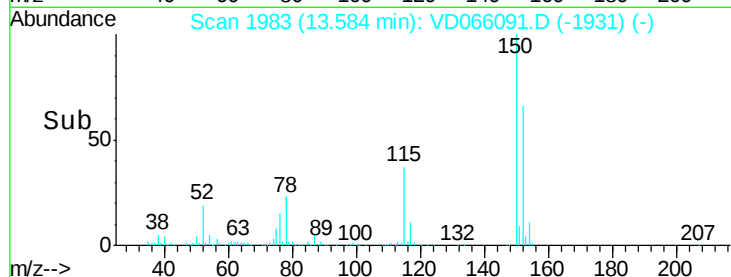
150 155.0 0.0 348.2



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



#76

1,2,3-Trichloropropane

Concen: 56.792 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066091.D

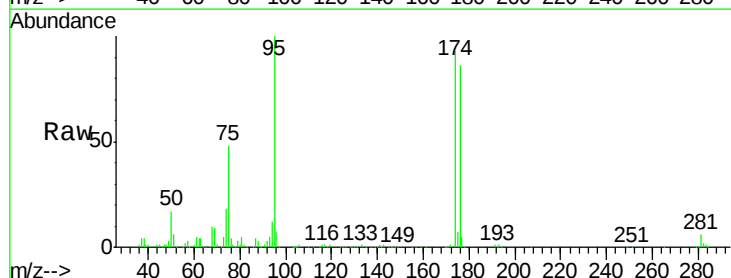
Acq: 29 Jul 2020 16:05

Tgt Ion: 75 Resp: 96876

Ion Ratio Lower Upper

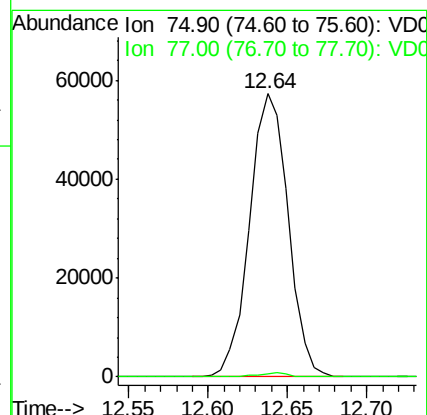
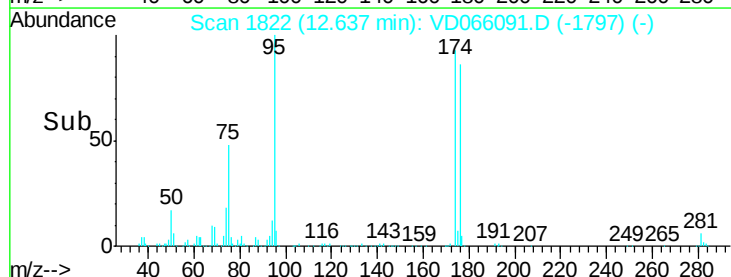
75 100

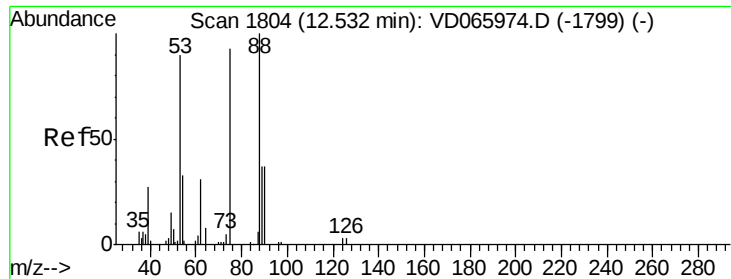
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 130.318 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066091.D

Acq: 29 Jul 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

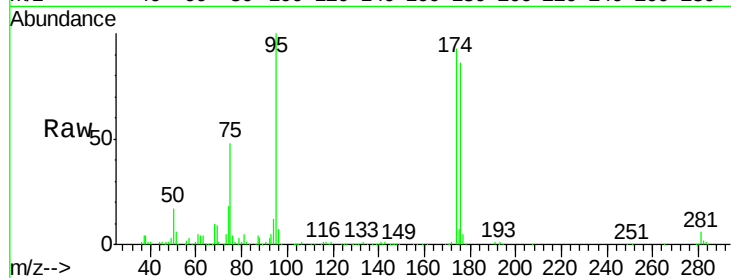
Tot Ion: 75 Resp: 96876

Ion Ratio Lower Upper

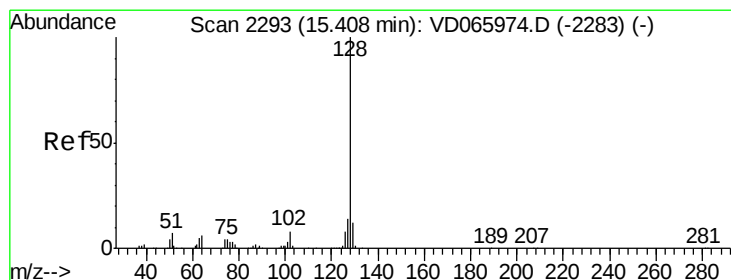
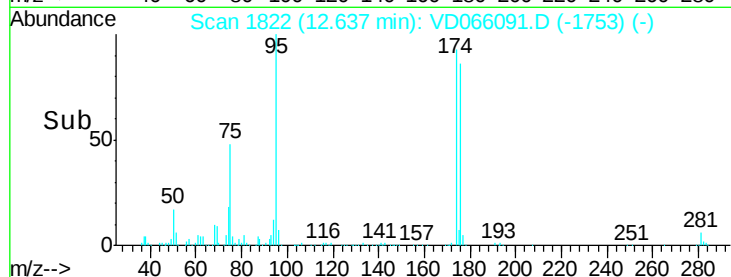
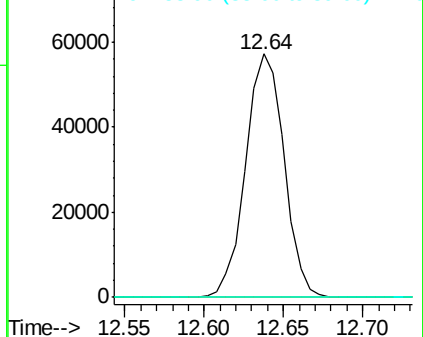
75 100

53 0.0 76.8 115.2#

89 0.2 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: 3.575 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066091.D

Acq: 29 Jul 2020 16:05

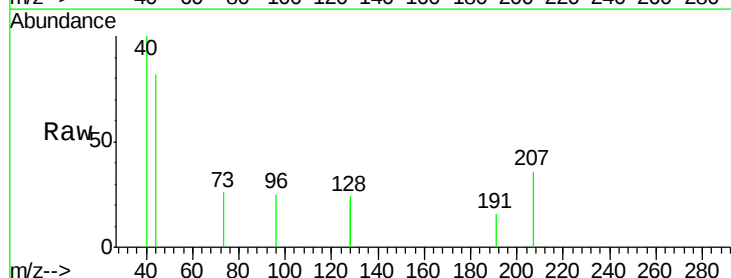
Tgt Ion: 128 Resp: 218

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

