

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066096.D
 Acq On : 29 Jul 2020 18:22
 Operator : VA/SY
 Sample : L3489-12
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 01:33:19 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	163458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	269718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	311219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	170981	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	87291	65.63	ug/l	0.00
Spiked Amount			Recovery	=	131.26%	
35) Dibromofluoromethane	7.91	113	90182	55.13	ug/l	0.00
Spiked Amount			Recovery	=	110.26%	
50) Toluene-d8	10.34	98	333529	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	
62) 4-Bromofluorobenzene	12.64	95	147407	69.76	ug/l	0.00
Spiked Amount			Recovery	=	139.52%	

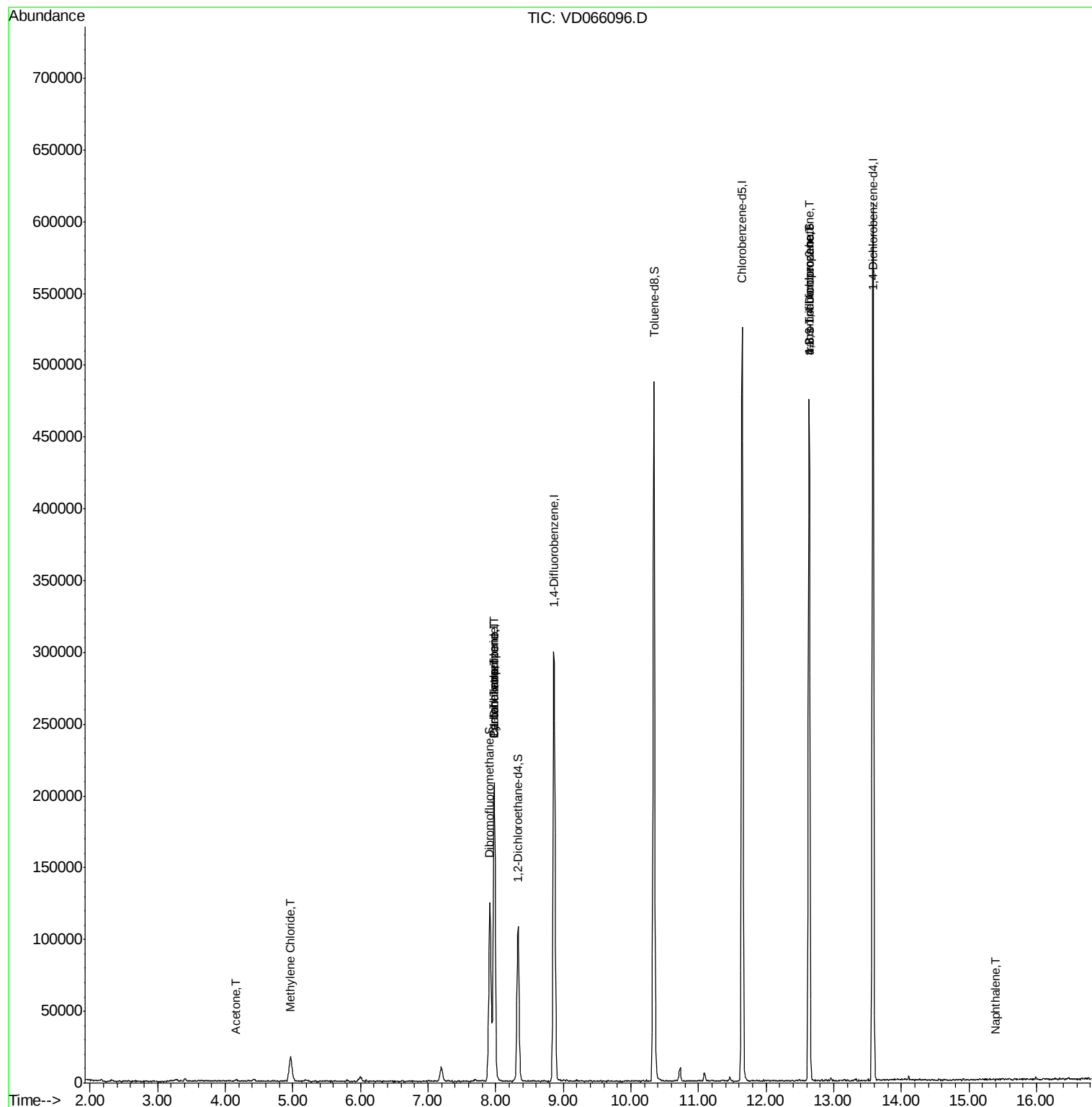
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	136	Below Cal	#	83
16) Acetone	4.16	43	2307	8.569	ug/l	89
20) Methylene Chloride	4.97	84	12930	6.081	ug/l	86
31) Cyclohexane	7.97	56	3011	1.259	ug/l #	36
36) 1,1-Dichloropropene	7.98	75	11588	5.034	ug/l #	47
38) Carbon Tetrachloride	7.98	117	16483	6.599	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	76676	59.559	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	76676	136.667	ug/l #	11
95) Naphthalene	15.40	128	161	3.575	ug/l #	68

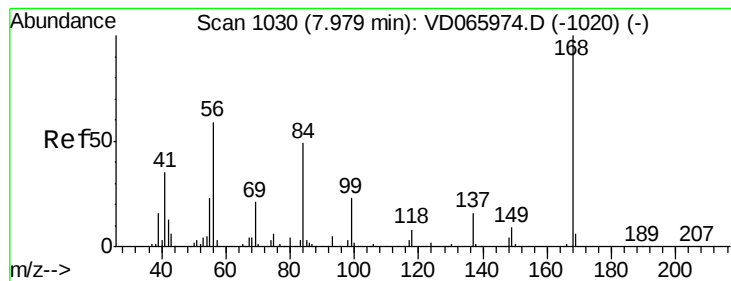
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066096.D

Acq: 29 Jul 2020 18:22

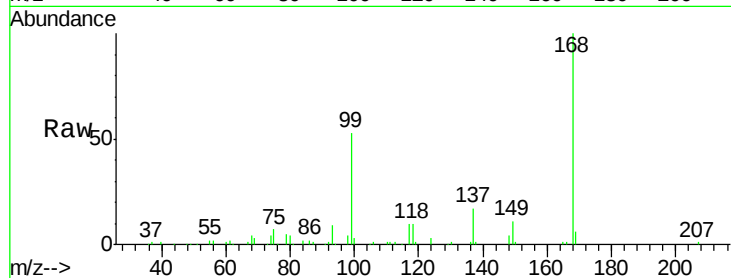
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 163458

Ion Ratio Lower Upper

168 100

99 52.8 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

80000

60000

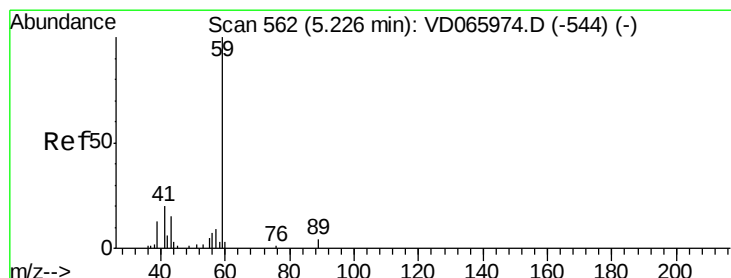
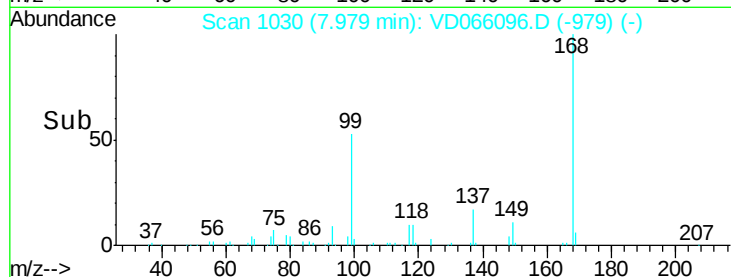
40000

20000

0

Time-->

7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD066096.D

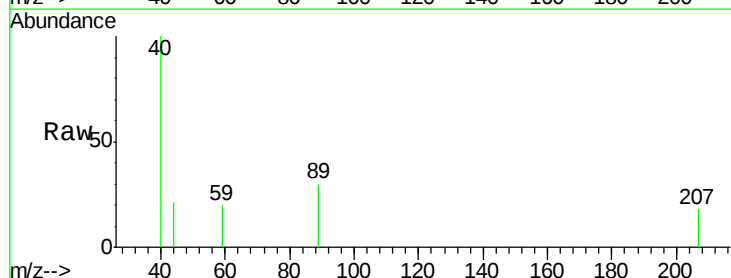
Acq: 29 Jul 2020 18:22

Tgt Ion: 59 Resp: 136

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

5.20

200

150

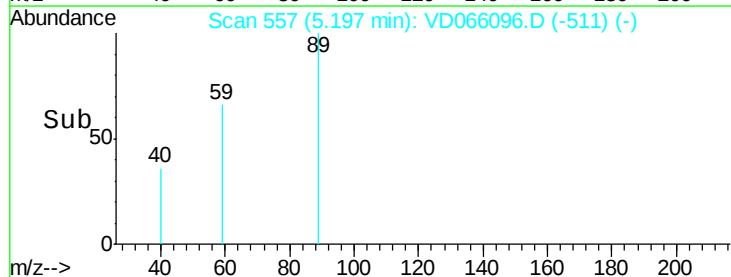
100

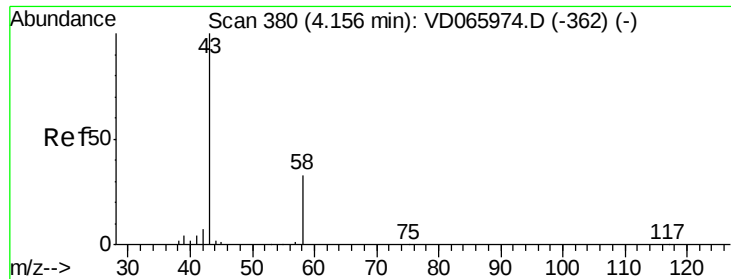
50

0

Time-->

5.18 5.19 5.20 5.21 5.22





#16

Acetone

Concen: 8.569 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066096.D

Acq: 29 Jul 2020 18:22

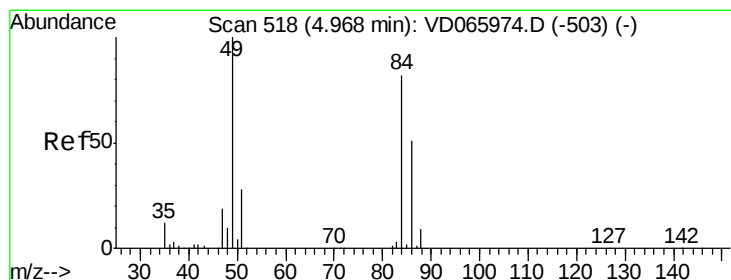
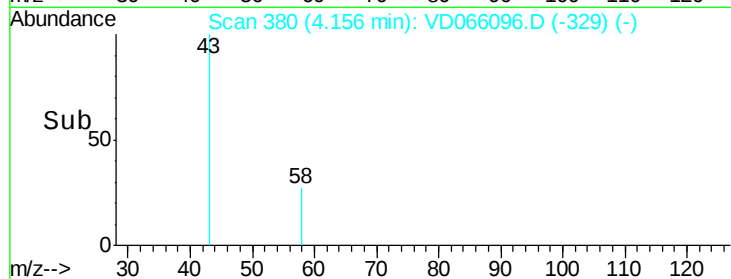
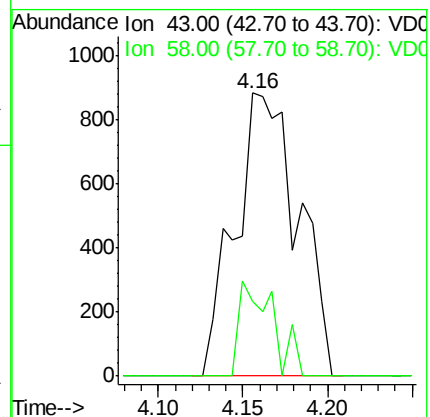
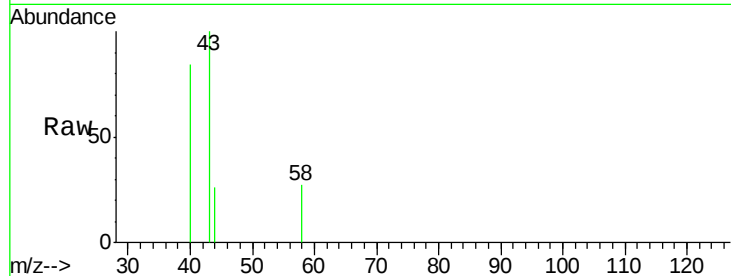
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2307

Ion Ratio Lower Upper

43 100

58 26.6 26.3 39.5



#20

Methylene Chloride

Concen: 6.081 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD066096.D

Acq: 29 Jul 2020 18:22

Tgt Ion: 84 Resp: 12930

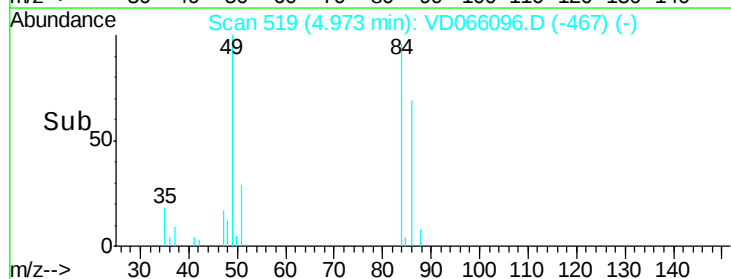
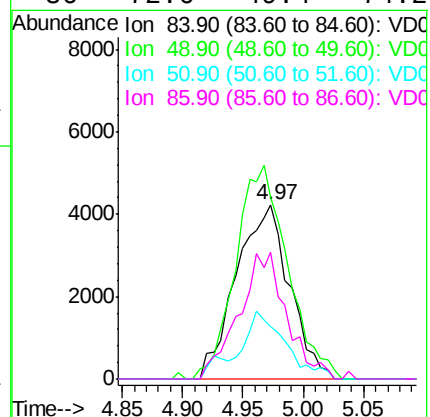
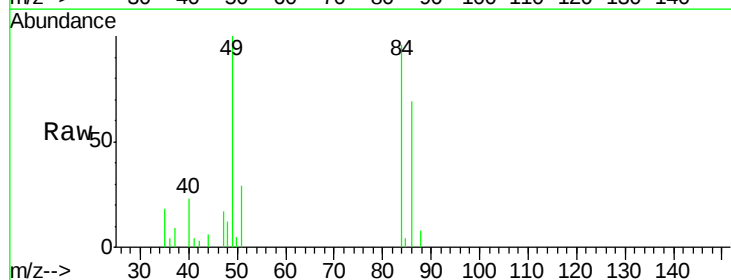
Ion Ratio Lower Upper

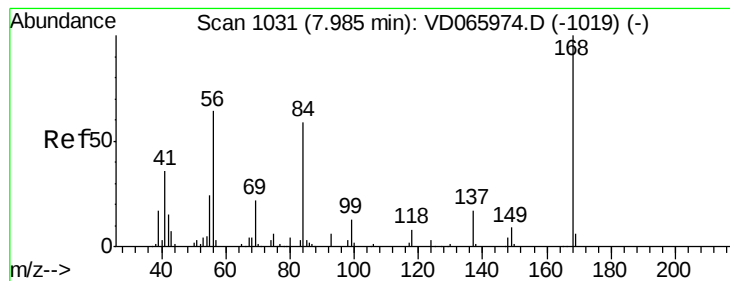
84 100

49 104.5 97.7 146.5

51 30.2 27.4 41.2

86 72.6 49.4 74.2





#31

Cyclohexane

Concen: 1.259 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066096.D

Acq: 29 Jul 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

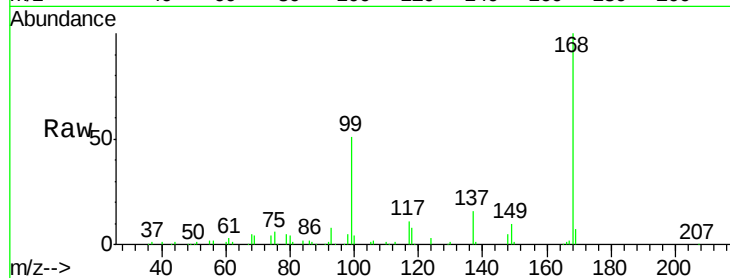
Tot Ion: 56 Resp: 3011

Ion Ratio Lower Upper

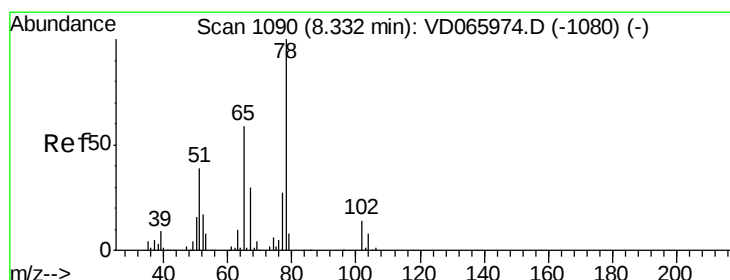
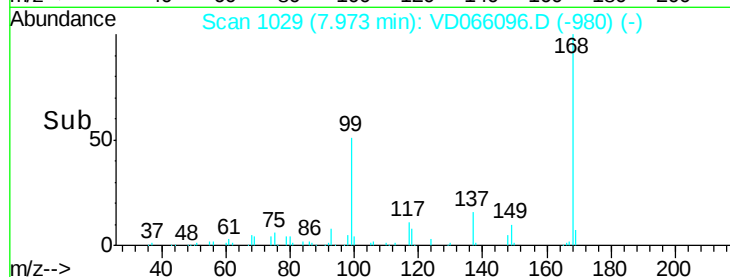
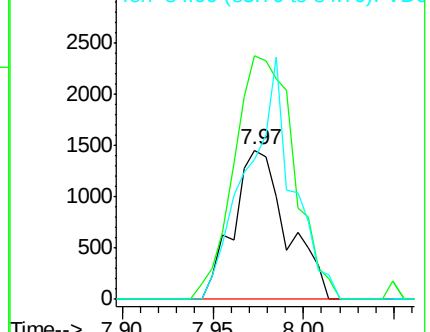
56 100

69 163.2 28.0 42.0#

84 94.1 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: 65.630 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066096.D

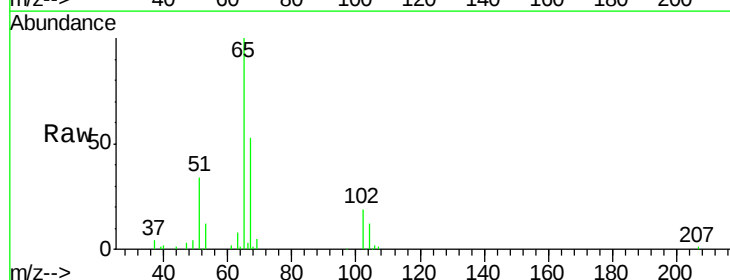
Acq: 29 Jul 2020 18:22

Tgt Ion: 65 Resp: 87291

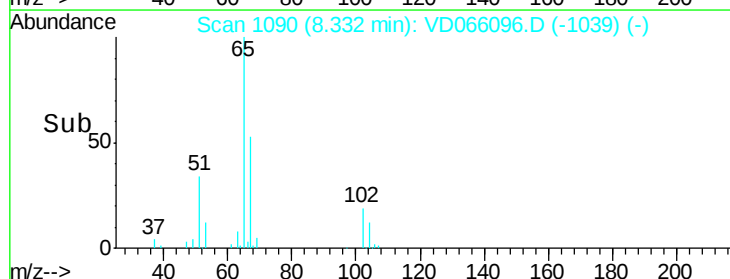
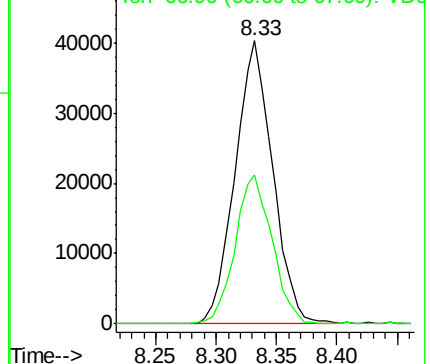
Ion Ratio Lower Upper

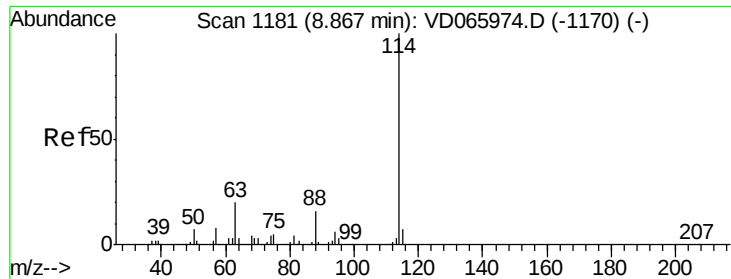
65 100

67 51.6 0.0 105.0



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

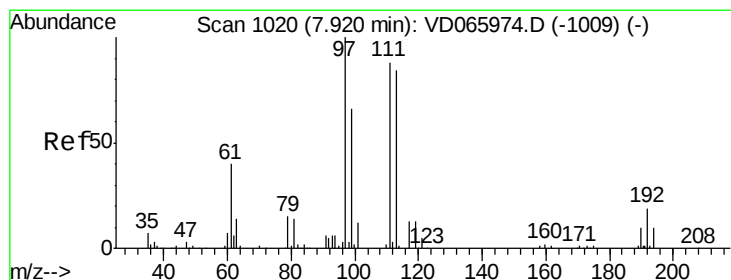
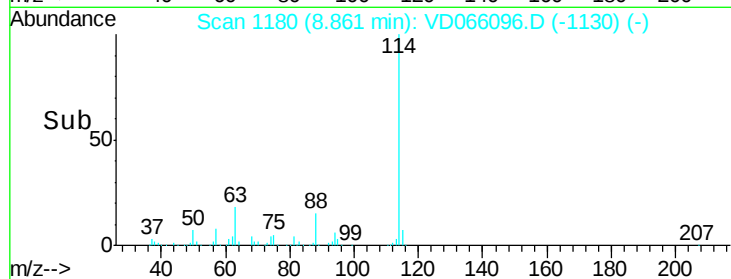
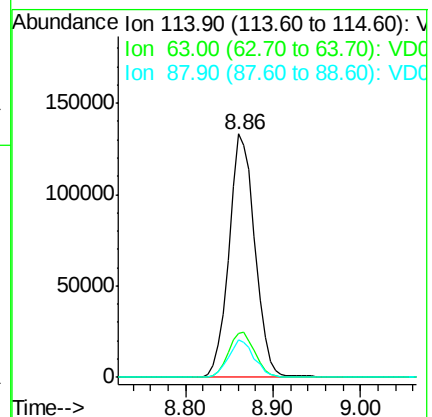
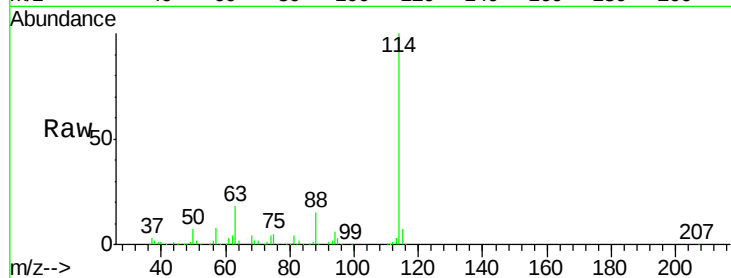




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD066096.D
Acq: 29 Jul 2020 18:22

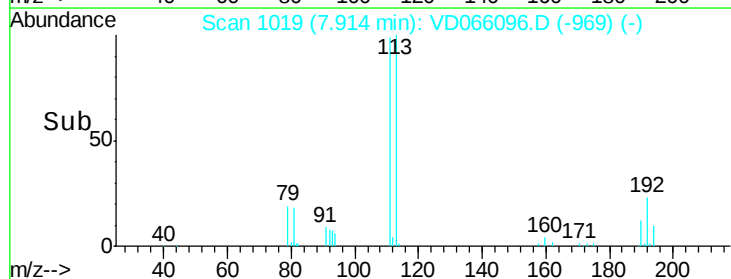
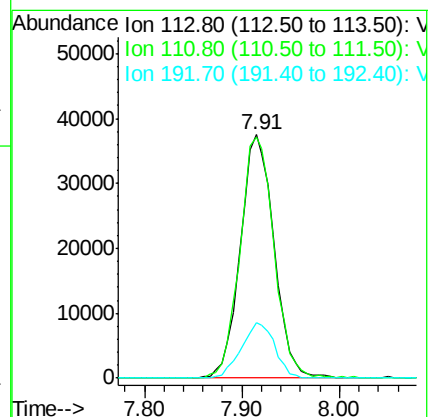
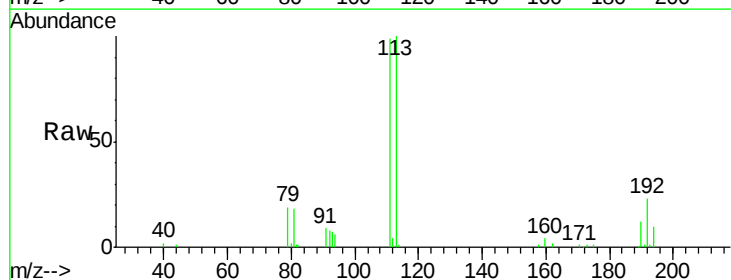
Instrument :
MSVOA_D
ClientSampleId :

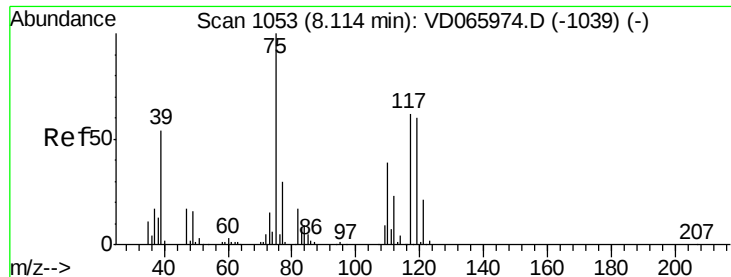
Tot Ion:114 Resp: 269718
Ion Ratio Lower Upper
114 100
63 18.2 0.0 39.6
88 15.2 0.0 31.2



#35
Dibromofluoromethane
Concen: 55.126 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD066096.D
Acq: 29 Jul 2020 18:22

Tgt Ion:113 Resp: 90182
Ion Ratio Lower Upper
113 100
111 100.3 83.2 124.8
192 22.6 18.7 28.1

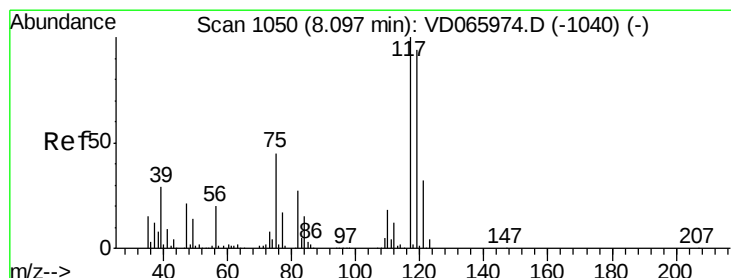
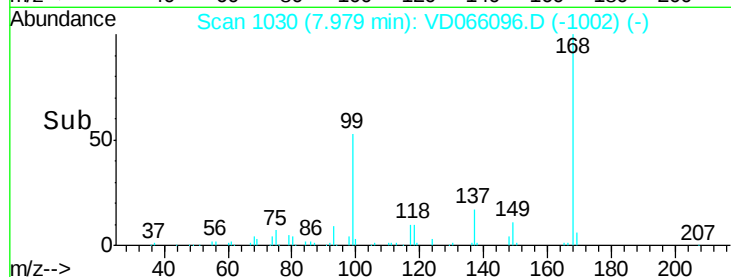
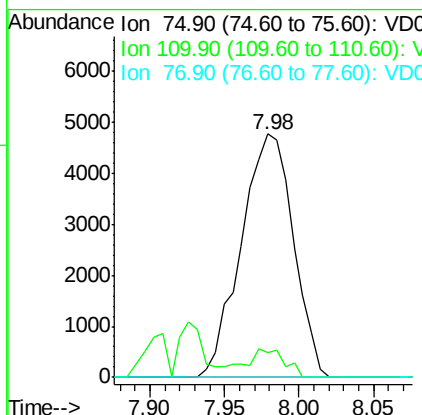
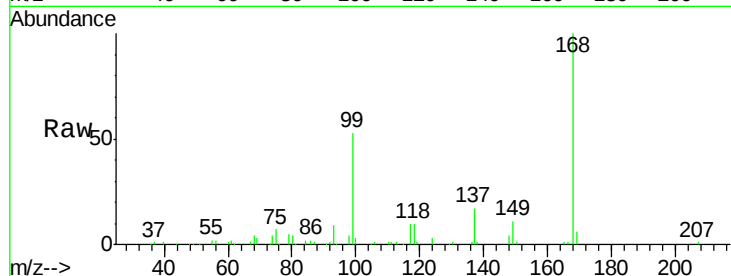




#36
 1,1-Dichloropropene
 Concen: 5.034 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066096.D
 Acq: 29 Jul 2020 18:22

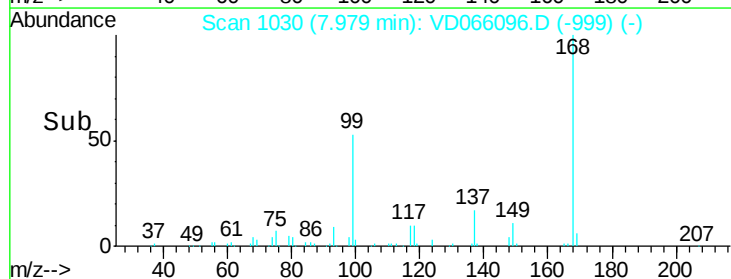
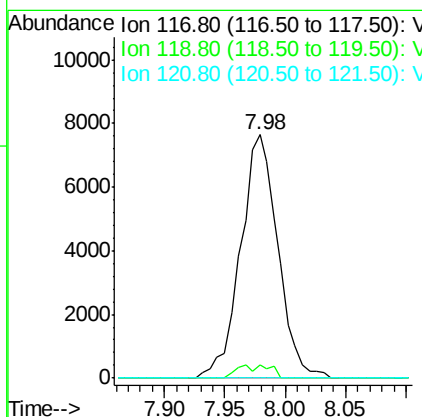
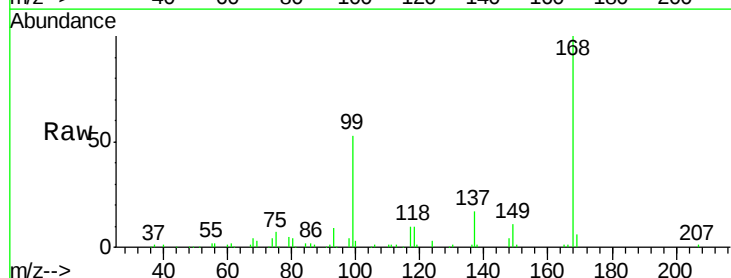
Instrument :
 MSVOA_D
 ClientSampleId :

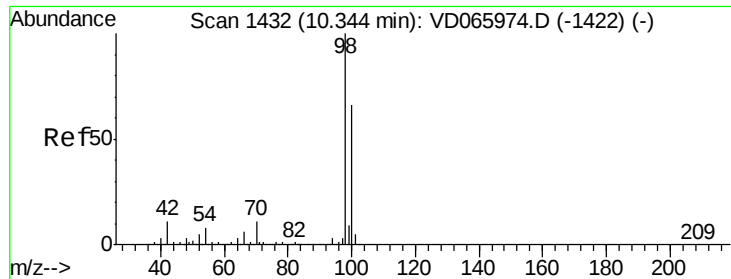
Tot Ion: 75 Resp: 11588
 Ion Ratio Lower Upper
 75 100
 110 7.9 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.599 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066096.D
 Acq: 29 Jul 2020 18:22

Tgt Ion: 117 Resp: 16483
 Ion Ratio Lower Upper
 117 100
 119 5.2 75.0 112.6#
 121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 54.729 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD066096.D

Acq: 29 Jul 2020 18:22

Instrument :

MSVOA_D

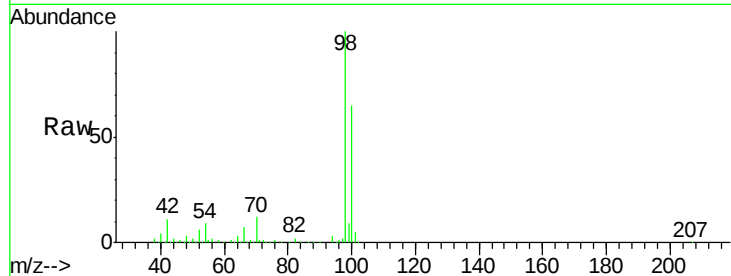
ClientSampleId :

Tot Ion: 98 Resp: 333529

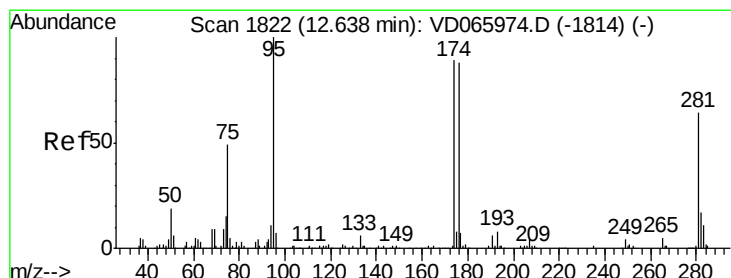
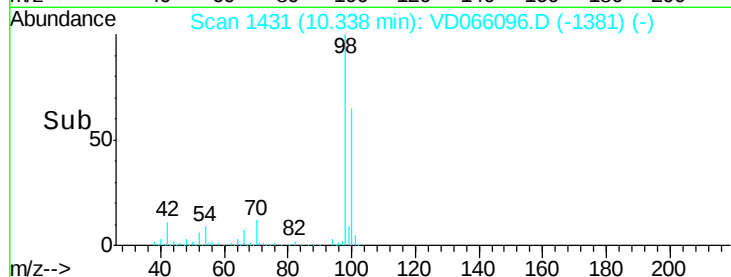
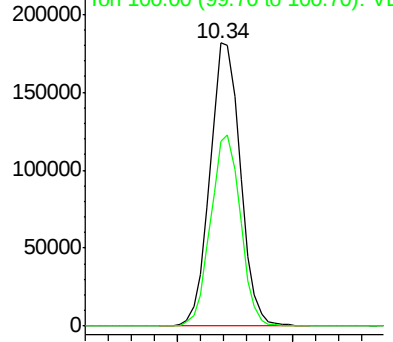
Ion Ratio Lower Upper

98 100

100 66.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VD065974.D (-1422) (-)



#62

4-Bromofluorobenzene

Concen: 69.758 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066096.D

Acq: 29 Jul 2020 18:22

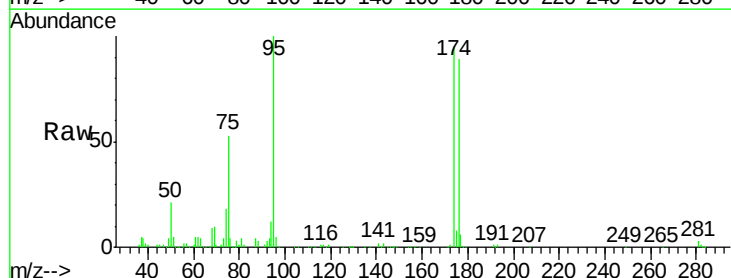
Tgt Ion: 95 Resp: 147407

Ion Ratio Lower Upper

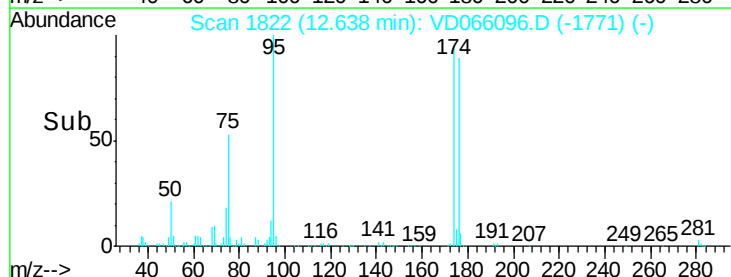
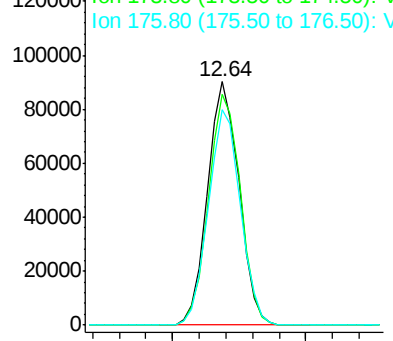
95 100

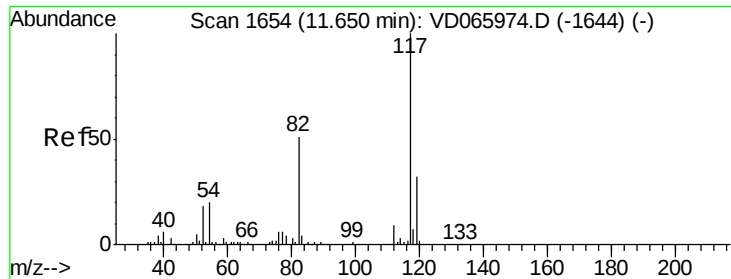
174 95.6 0.0 178.8

176 89.8 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): VD065974.D (-1814) (-)

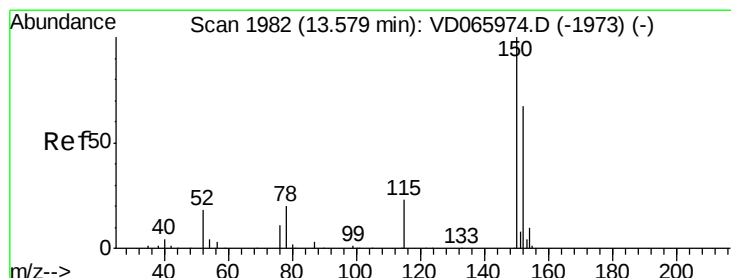
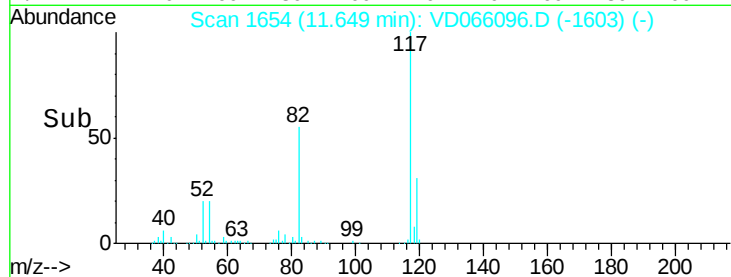
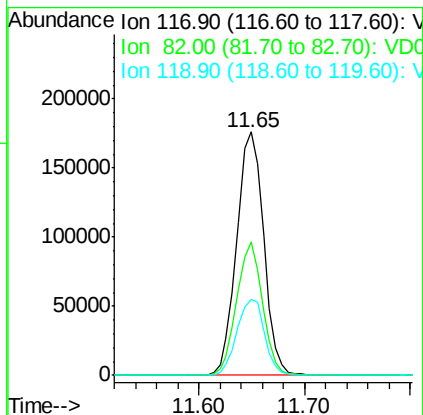
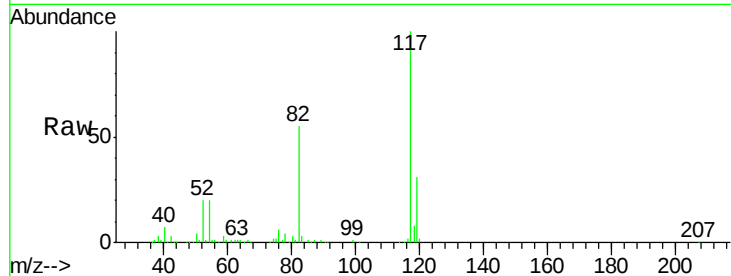




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066096.D
Acq: 29 Jul 2020 18:22

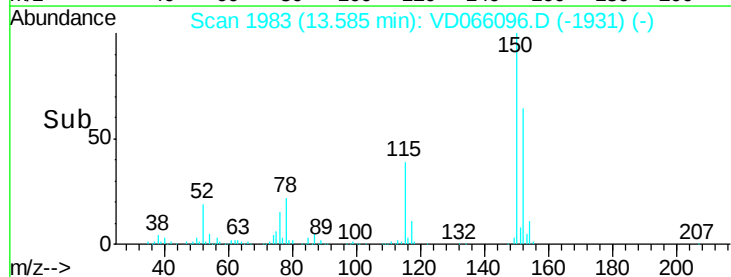
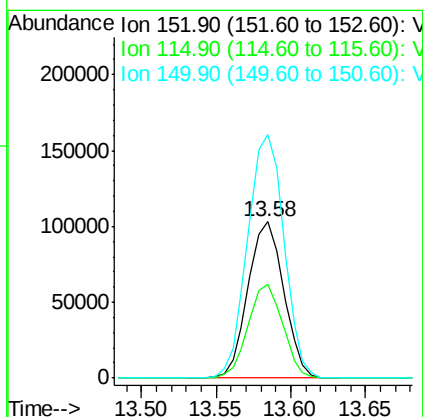
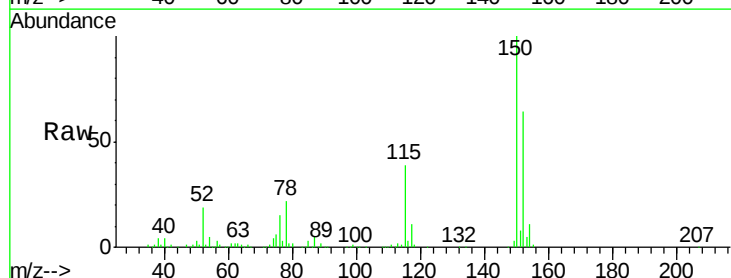
Instrument :
MSVOA_D
ClientSampleId :

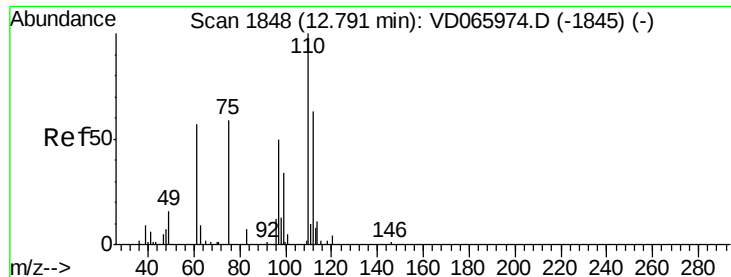
Tot Ion:117 Resp: 311219
Ion Ratio Lower Upper
117 100
82 54.6 41.1 61.7
119 31.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066096.D
Acq: 29 Jul 2020 18:22

Tgt Ion:152 Resp: 170981
Ion Ratio Lower Upper
152 100
115 58.3 27.9 83.7
150 158.8 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 59.559 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066096.D

Acq: 29 Jul 2020 18:22

Instrument :

MSVOA_D

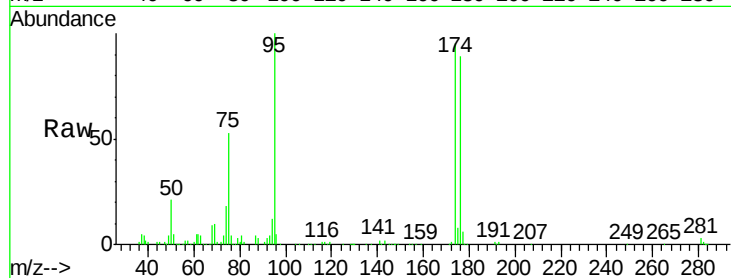
ClientSampled :

Tot Ion: 75 Resp: 76676

Ion Ratio Lower Upper

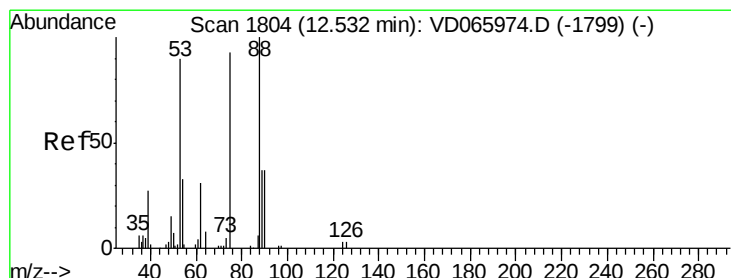
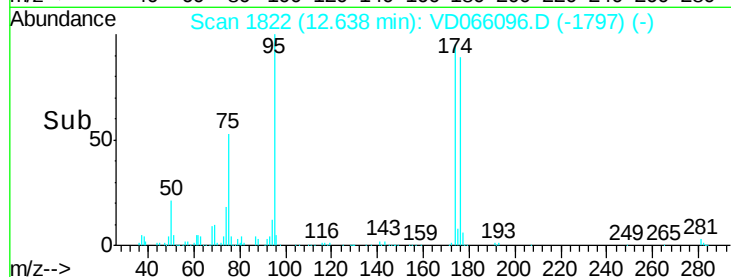
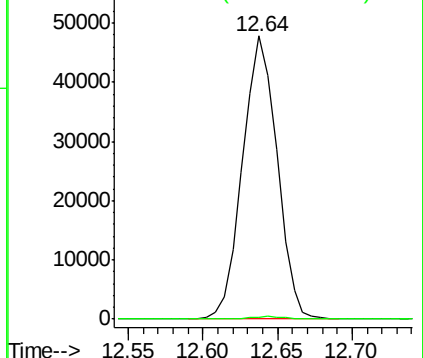
75 100

77 0.8 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: 136.667 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066096.D

Acq: 29 Jul 2020 18:22

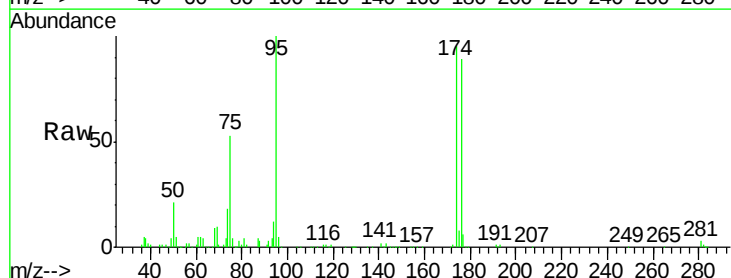
Tgt Ion: 75 Resp: 76676

Ion Ratio Lower Upper

75 100

53 0.1 76.8 115.2#

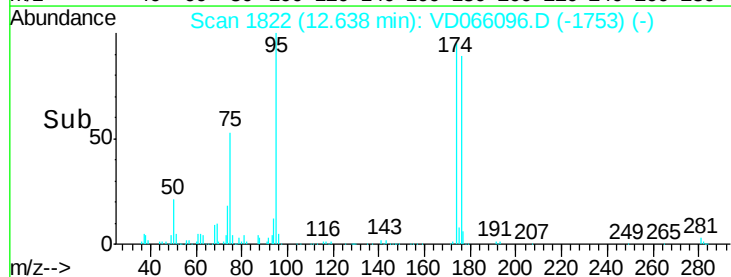
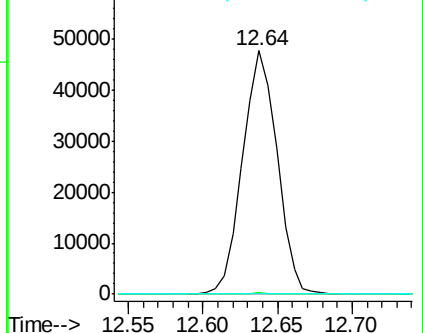
89 0.0 37.0 55.4#

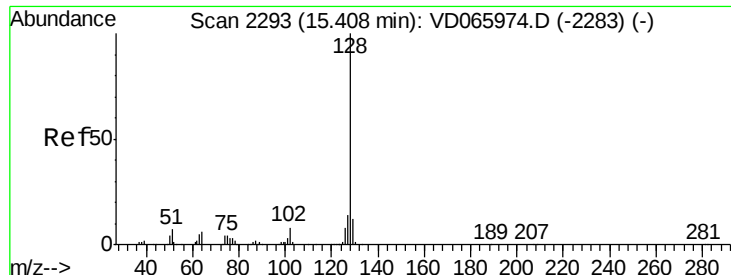


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 15.40 min Scan# 2292

Delta R.T. -0.01 min

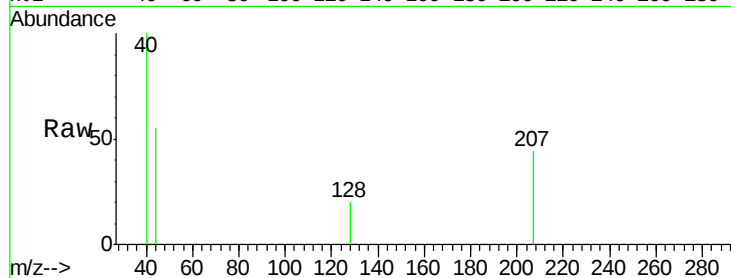
Lab File: VD066096.D

Acq: 29 Jul 2020 18:22

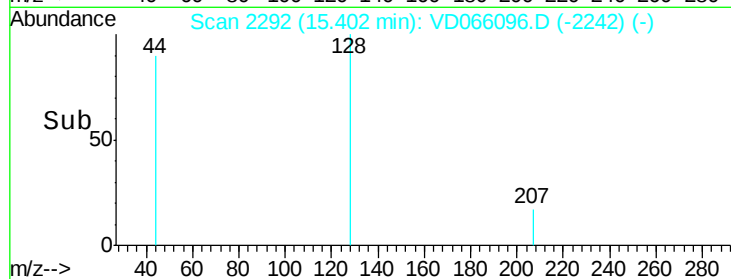
Instrument :

MSVOA_D

ClientSampleId :



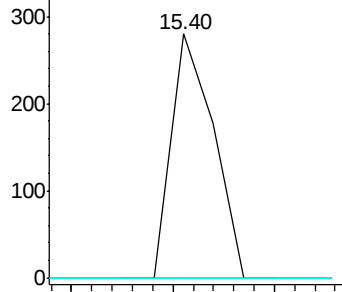
Tot Ion:	128	Resp:	161
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	0.0	8.9	13.3#



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



Time-->