

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066028.D
 Acq On : 23 Jul 2020 16:57
 Operator : VA/SY
 Sample : L3381-16
 Misc : 7.47G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 365-GRID-B6-B8

Quant Time: Jul 24 03:07:23 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	318247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	501799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	535943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	272000	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	133695	51.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.26%	
35) Dibromofluoromethane	7.91	113	153605	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
50) Toluene-d8	10.34	98	620396	54.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.44%	
62) 4-Bromofluorobenzene	12.64	95	243097	61.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.68%	

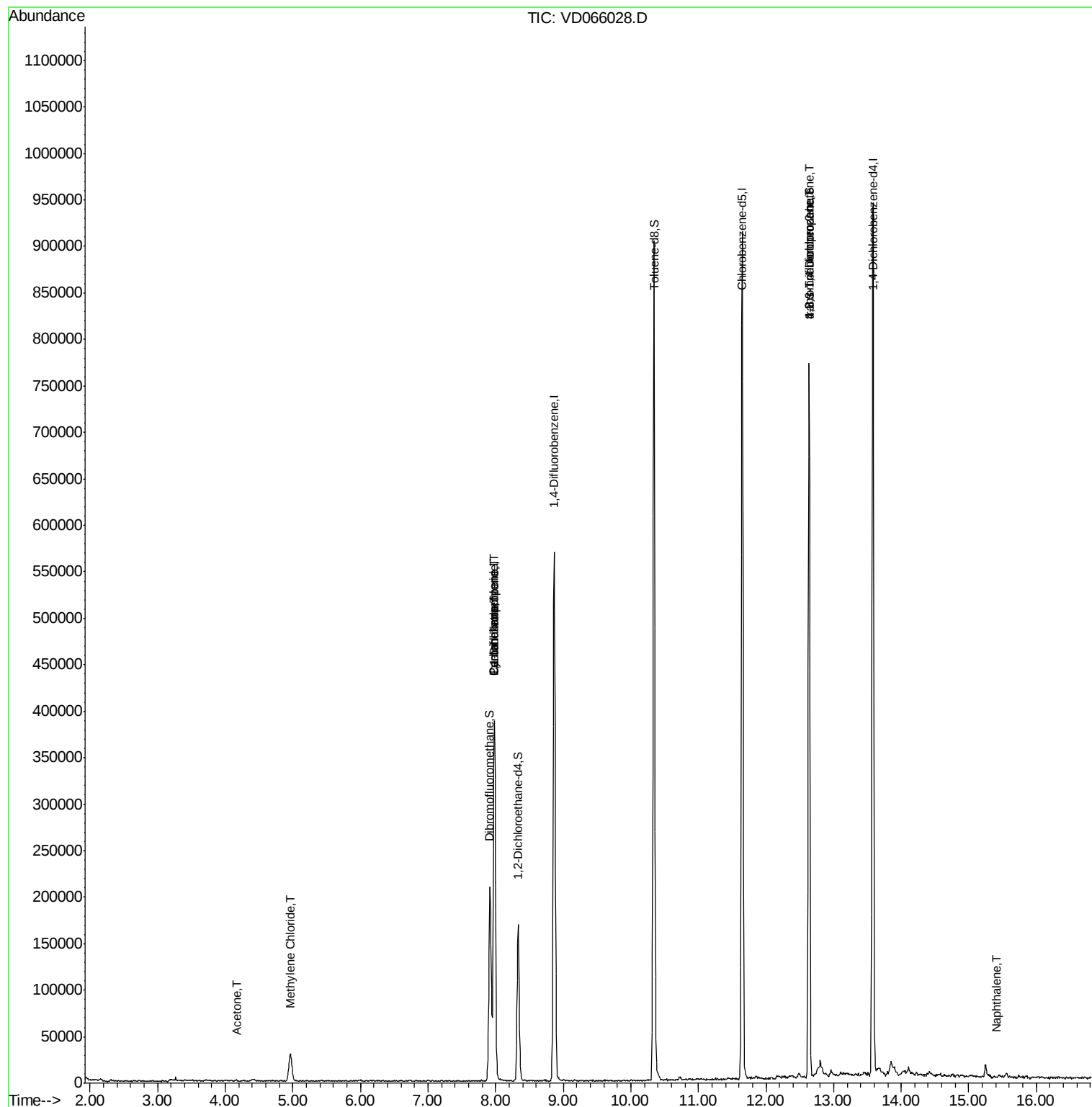
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.70	94	67	Below Cal	#	4
16) Acetone	4.17	43	844	1.610	ug/l #	34
20) Methylene Chloride	4.96	84	23296	5.393	ug/l	93
31) Cyclohexane	7.98	56	5380	1.155	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	20785	4.853	ug/l #	49
38) Carbon Tetrachloride	7.98	117	30281	6.516	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	120739	58.954	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	120739	135.279	ug/l #	11
95) Naphthalene	15.41	128	781	3.631	ug/l #	89

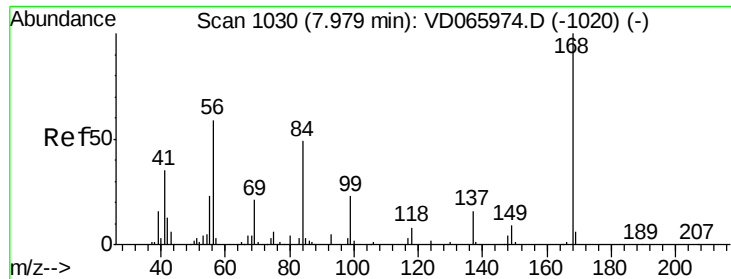
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1031

Delta R.T. 0.01 min

Lab File: VD066028.D

Acq: 23 Jul 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

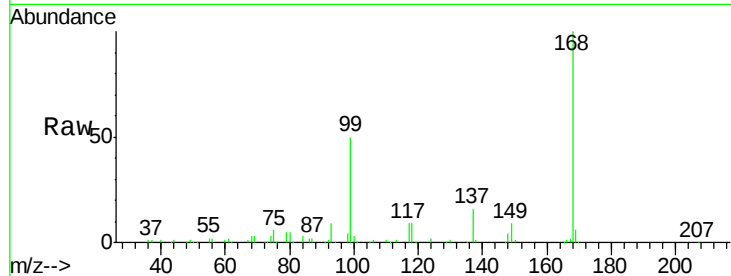
365-GRID-B6-B8

Tot Ion:168 Resp: 318247

Ion Ratio Lower Upper

168 100

99 49.8 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

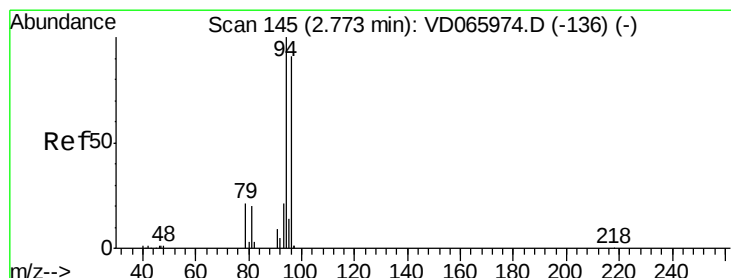
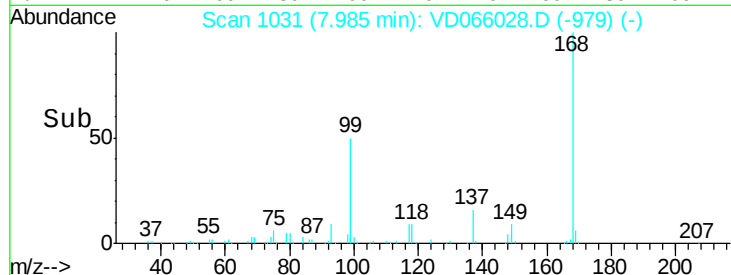
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.70 min Scan# 132

Delta R.T. -0.08 min

Lab File: VD066028.D

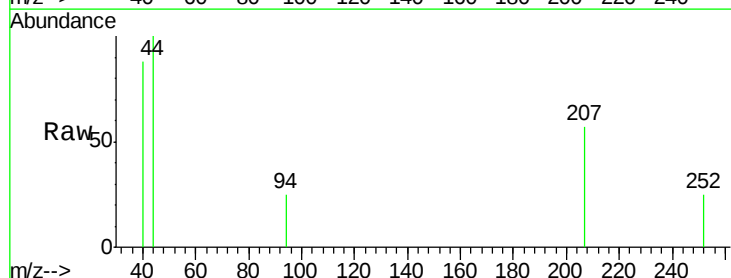
Acq: 23 Jul 2020 16:57

Tgt Ion: 94 Resp: 67

Ion Ratio Lower Upper

94 100

96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.70

200

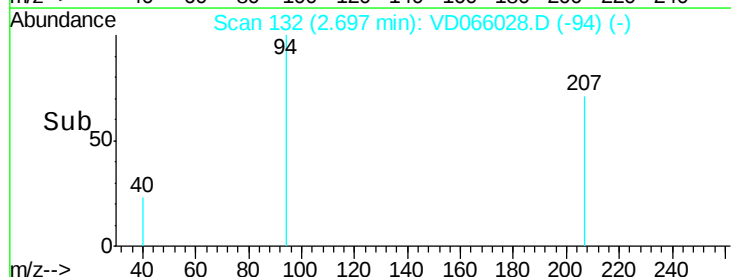
150

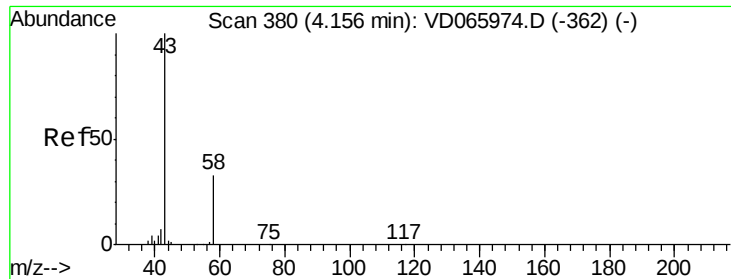
100

50

0

Time-->





#16

Acetone

Concen: 1.610 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066028.D

Acq: 23 Jul 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

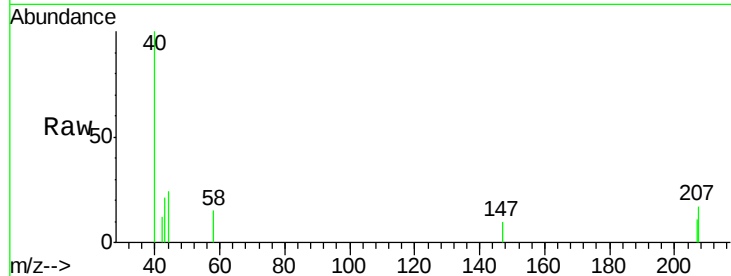
365-GRID-B6-B8

Tot Ion: 43 Resp: 844

Ion Ratio Lower Upper

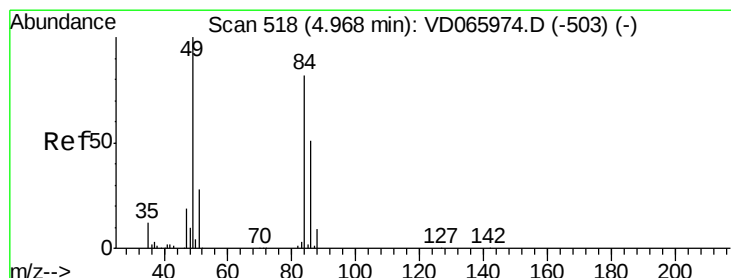
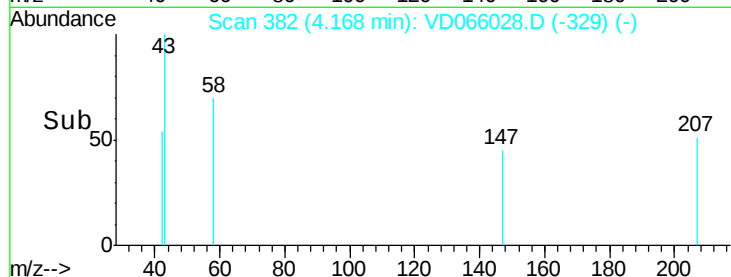
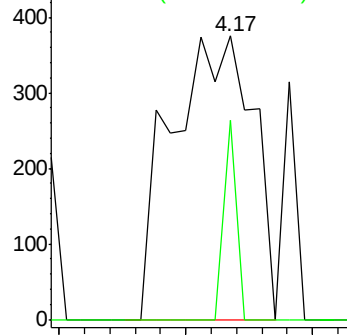
43 100

58 70.1 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: 5.393 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066028.D

Acq: 23 Jul 2020 16:57

Tgt Ion: 84 Resp: 23296

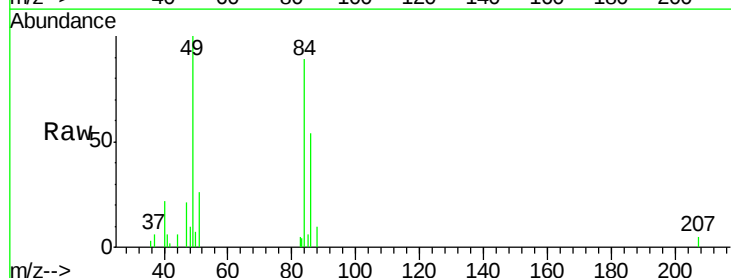
Ion Ratio Lower Upper

84 100

49 112.3 97.7 146.5

51 29.3 27.4 41.2

86 60.7 49.4 74.2

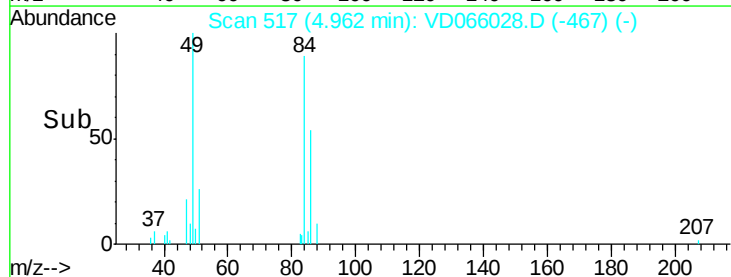
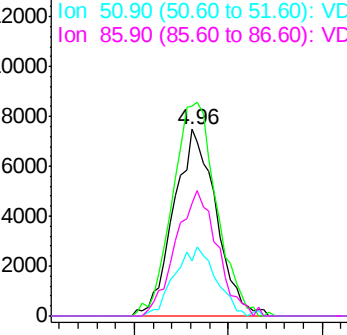


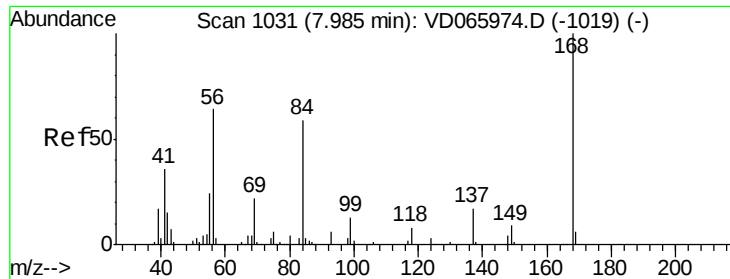
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

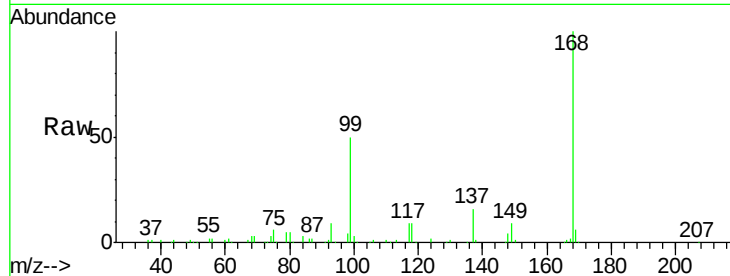




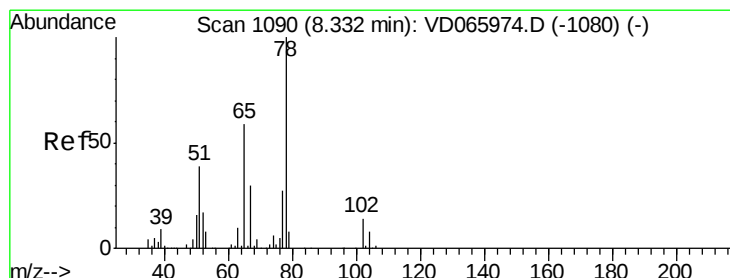
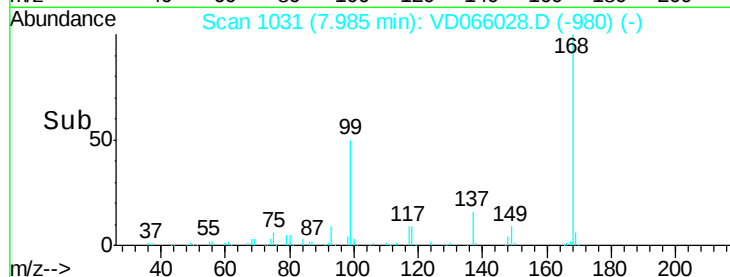
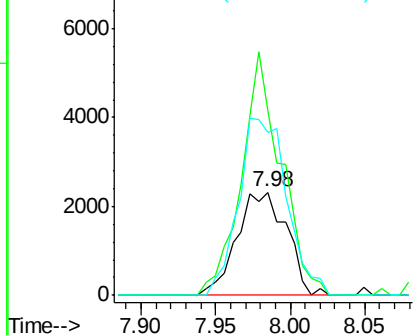
#31
Cyclohexane
Concen: 1.155 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066028.D
Acq: 23 Jul 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
365-GRID-B6-B8

Tot Ion: 56 Resp: 5380
Ion Ratio Lower Upper
56 100
69 179.3 28.0 42.0#
84 158.3 72.6 109.0#

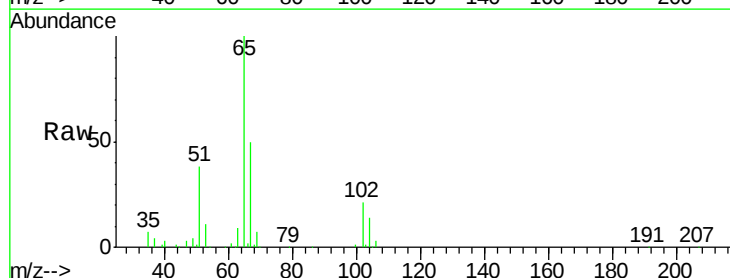


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

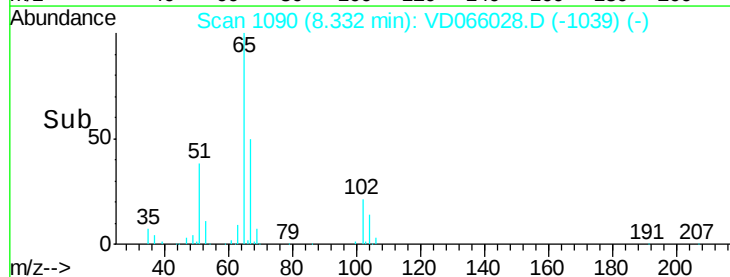
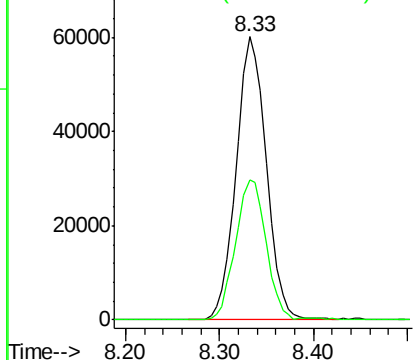


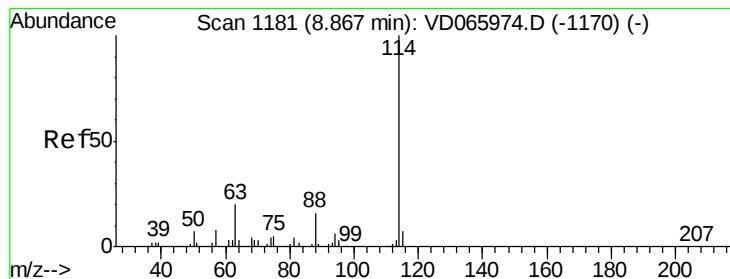
#33
1,2-Dichloroethane-d4
Concen: 51.629 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066028.D
Acq: 23 Jul 2020 16:57

Tgt Ion: 65 Resp: 133695
Ion Ratio Lower Upper
65 100
67 50.1 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: VD066028.D

Acq: 23 Jul 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

365-GRID-B6-B8

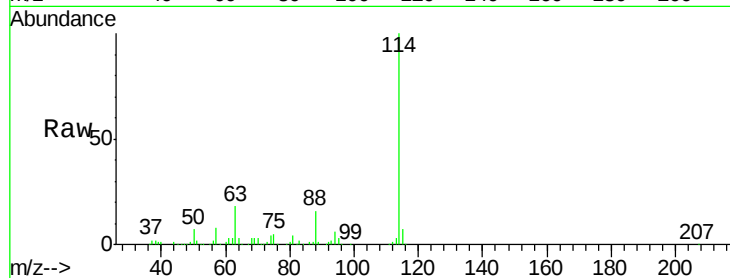
Tot Ion:114 Resp: 501799

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

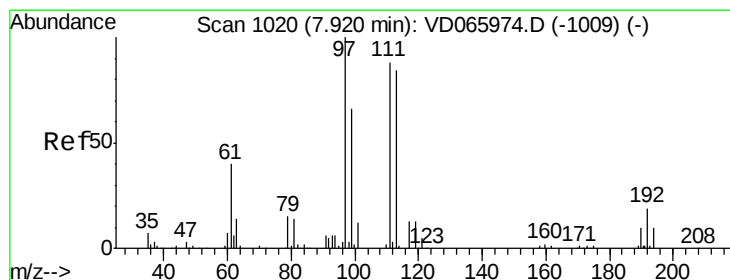
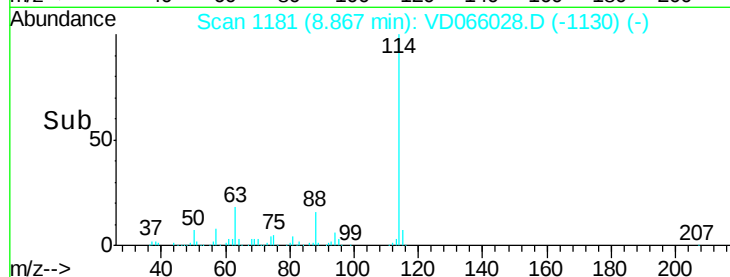
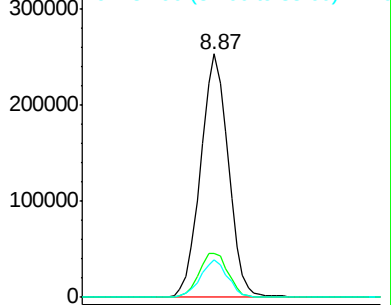
88 15.6 0.0 31.2



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: 50.469 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD066028.D

Acq: 23 Jul 2020 16:57

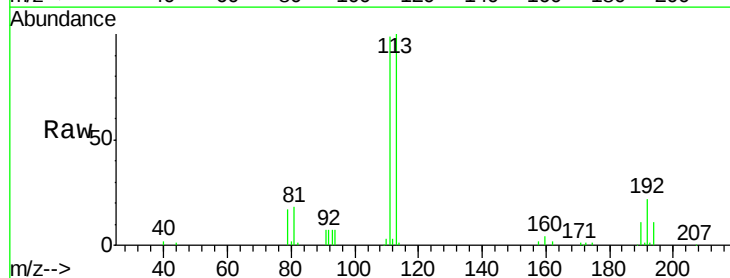
Tgt Ion:113 Resp: 153605

Ion Ratio Lower Upper

113 100

111 100.7 83.2 124.8

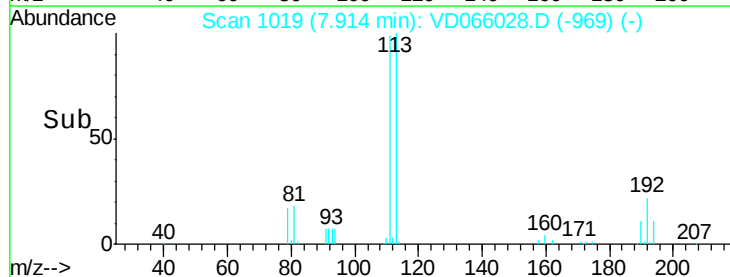
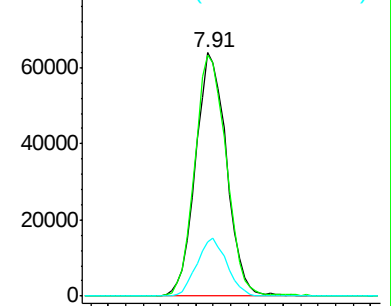
192 23.0 18.7 28.1

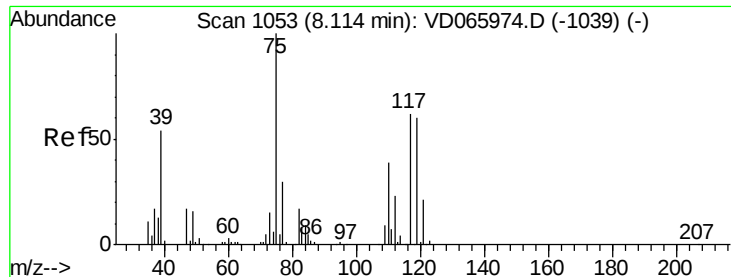


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.853 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD066028.D

Acq: 23 Jul 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

365-GRID-B6-B8

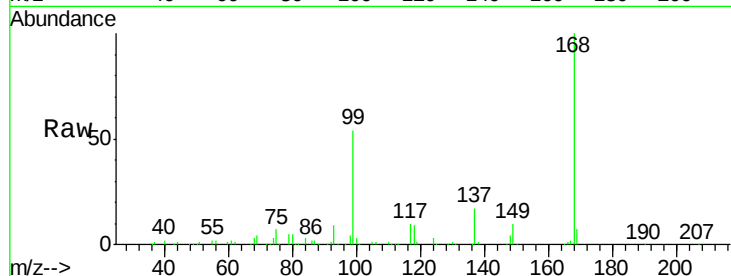
Tot Ion: 75 Resp: 20785

Ion Ratio Lower Upper

75 100

110 10.9 19.5 58.5#

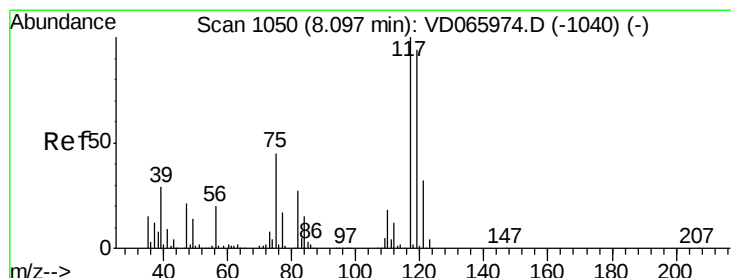
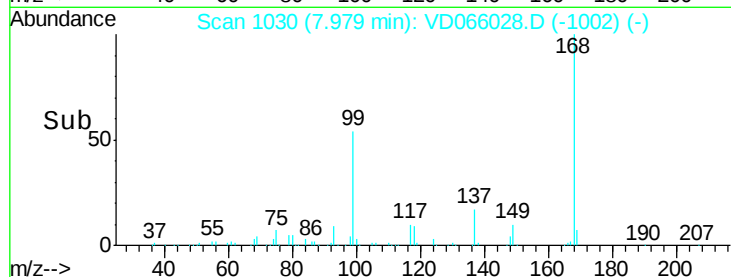
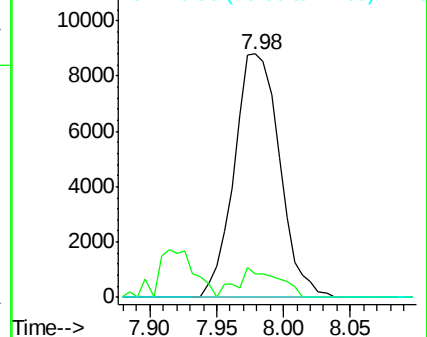
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#38

Carbon Tetrachloride

Concen: 6.516 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066028.D

Acq: 23 Jul 2020 16:57

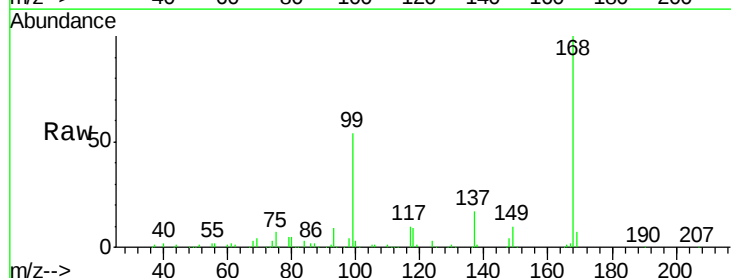
Tgt Ion: 117 Resp: 30281

Ion Ratio Lower Upper

117 100

119 6.9 75.0 112.6#

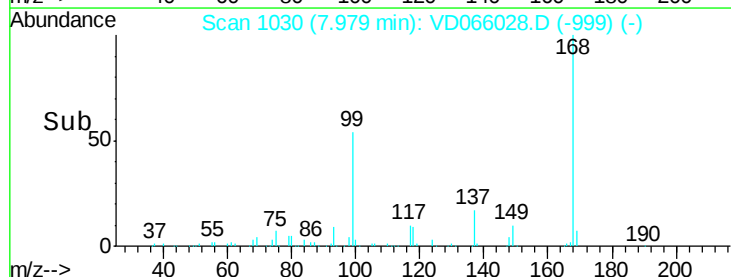
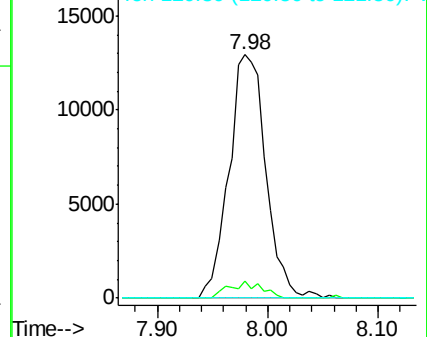
121 0.0 25.5 38.3#

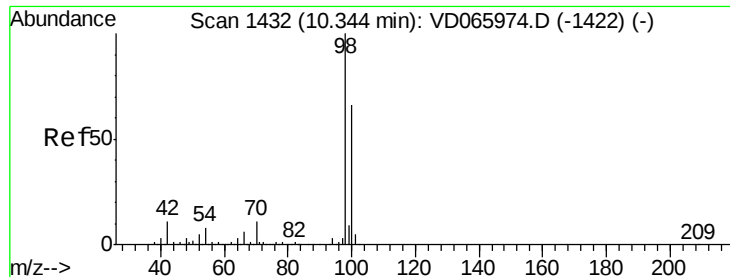


Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 118.80 (118.50 to 119.50): VDC

Ion 120.80 (120.50 to 121.50): VDC





#50

Toluene-d8

Concen: 54.718 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066028.D

Acq: 23 Jul 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

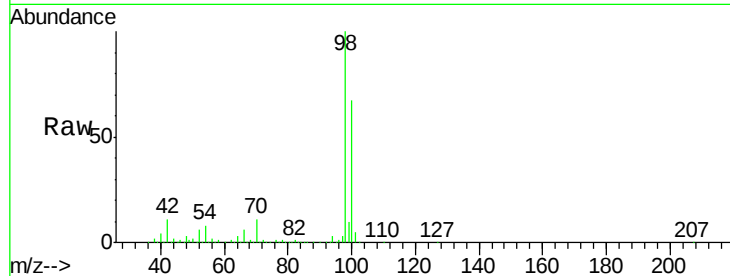
365-GRID-B6-B8

Tot Ion: 98 Resp: 620396

Ion Ratio Lower Upper

98 100

100 66.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

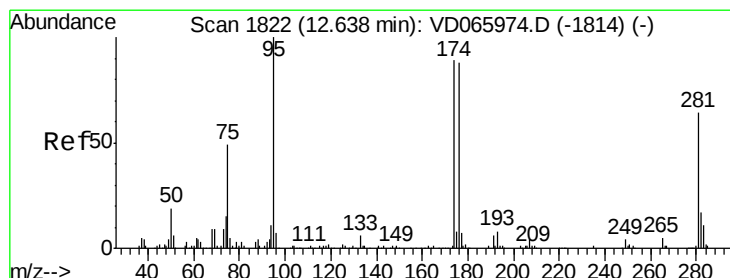
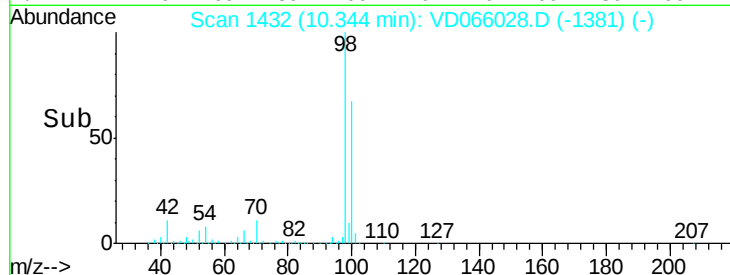
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 61.836 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066028.D

Acq: 23 Jul 2020 16:57

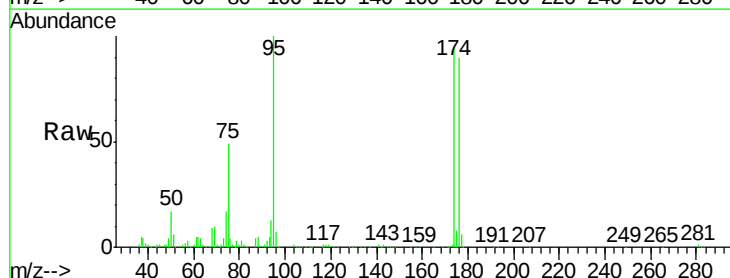
Tgt Ion: 95 Resp: 243097

Ion Ratio Lower Upper

95 100

174 93.2 0.0 178.8

176 89.2 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.64

200000

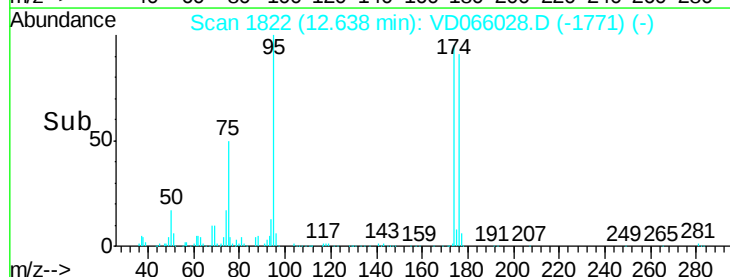
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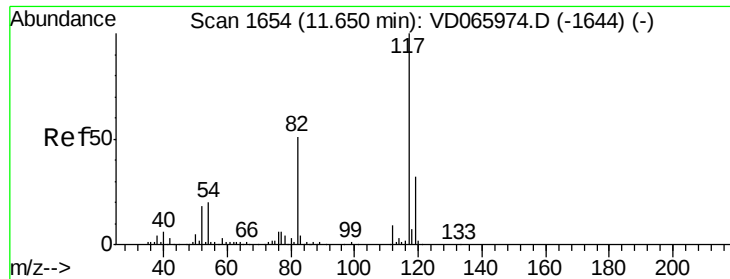
100000

50000

0

Time-->

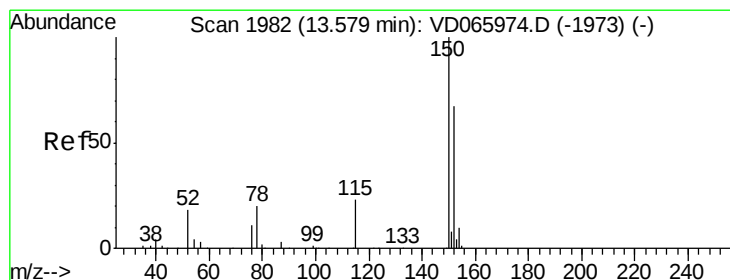
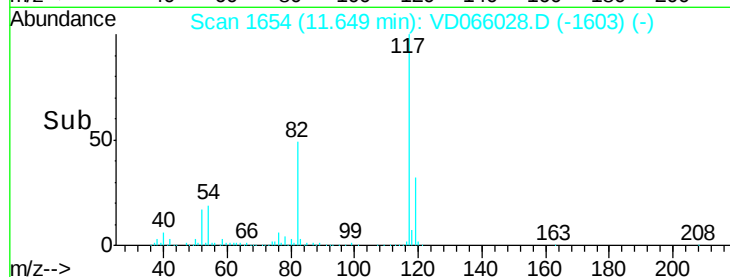
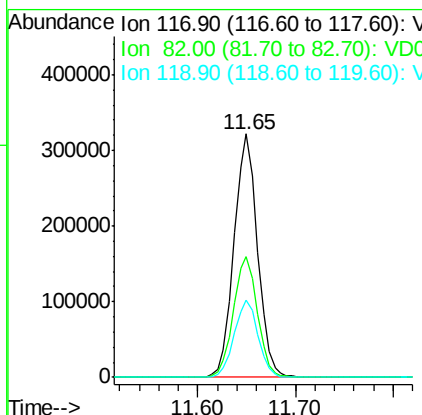
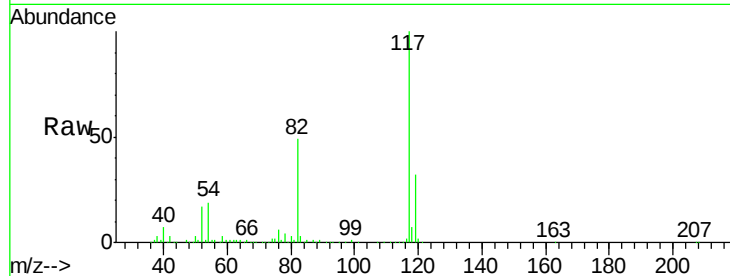




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066028.D
Acq: 23 Jul 2020 16:57

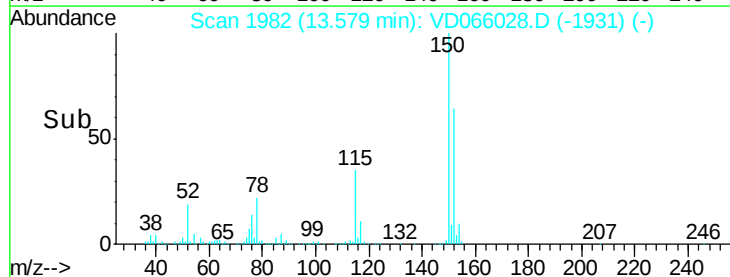
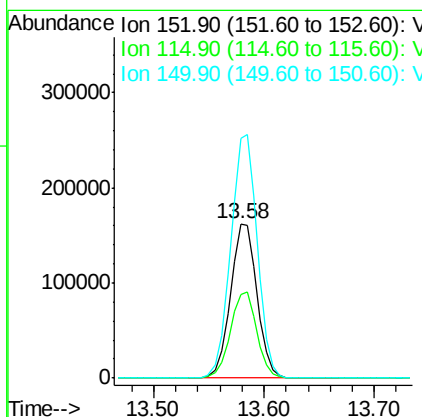
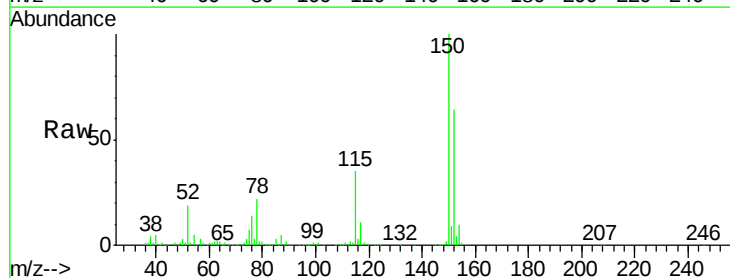
Instrument :
MSVOA_D
ClientSampleId :
365-GRID-B6-B8

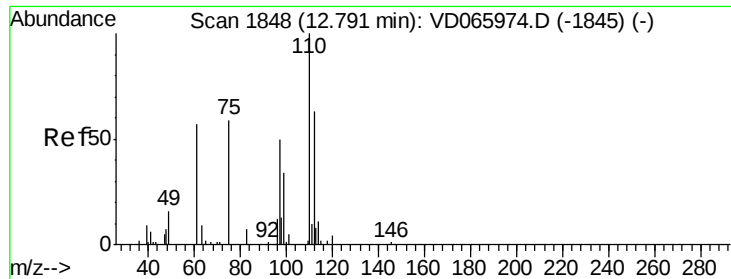
Tot Ion:117 Resp: 535943
Ion Ratio Lower Upper
117 100
82 49.4 41.1 61.7
119 31.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066028.D
Acq: 23 Jul 2020 16:57

Tgt Ion:152 Resp: 272000
Ion Ratio Lower Upper
152 100
115 55.8 27.9 83.7
150 158.4 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 58.954 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066028.D

Acq: 23 Jul 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

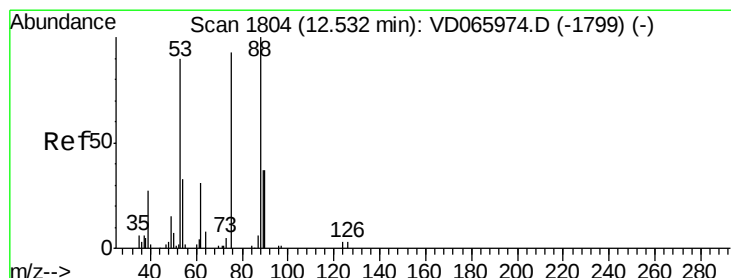
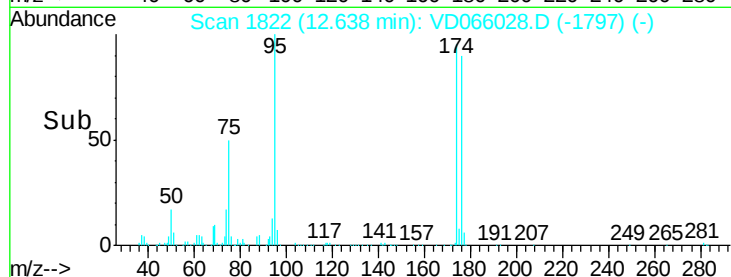
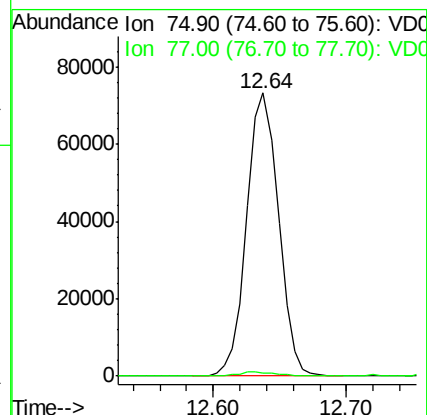
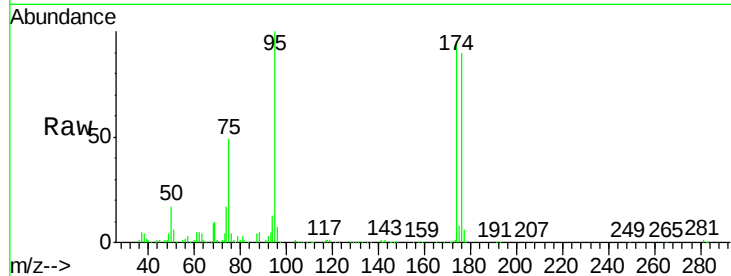
365-GRID-B6-B8

Tot Ion: 75 Resp: 120739

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.279 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066028.D

Acq: 23 Jul 2020 16:57

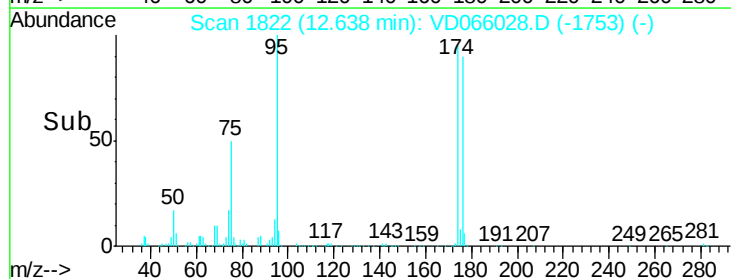
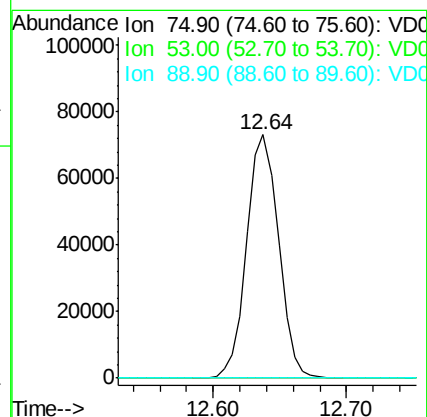
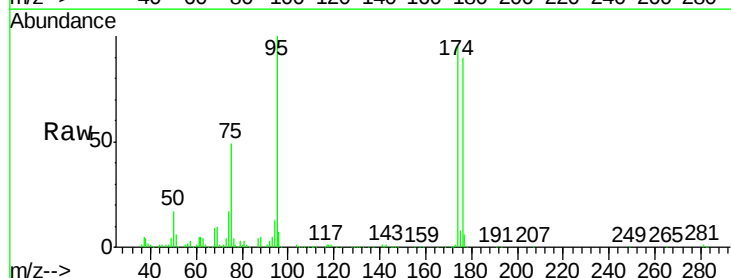
Tgt Ion: 75 Resp: 120739

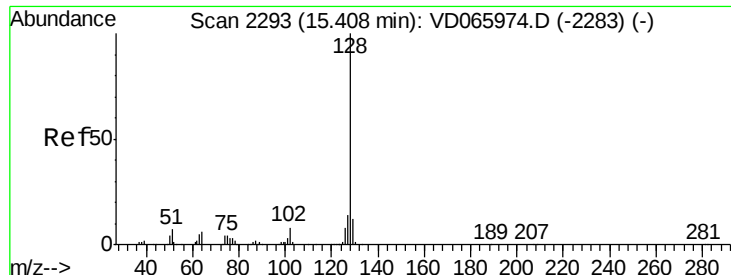
Ion Ratio Lower Upper

75 100

53 0.1 76.8 115.2#

89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 3.631 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066028.D
Acq: 23 Jul 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
365-GRID-B6-B8

Tot Ion	Ratio	Lower	Upper
128	100		
127	7.9	10.8	16.2#
129	8.5	8.9	13.3#

