

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065959.D
 Acq On : 16 Jul 2020 16:12
 Operator : VA/SY
 Sample : L3315-06
 Misc : 7.40G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-16-D2

Quant Time: Jul 17 03:39:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	380054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	612592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	624327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318985	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	159215	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
35) Dibromofluoromethane	7.91	113	186647	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	10.34	98	725130	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.64	95	276240	58.34	ug/l	0.00
Spiked Amount			Recovery	=	116.68%	

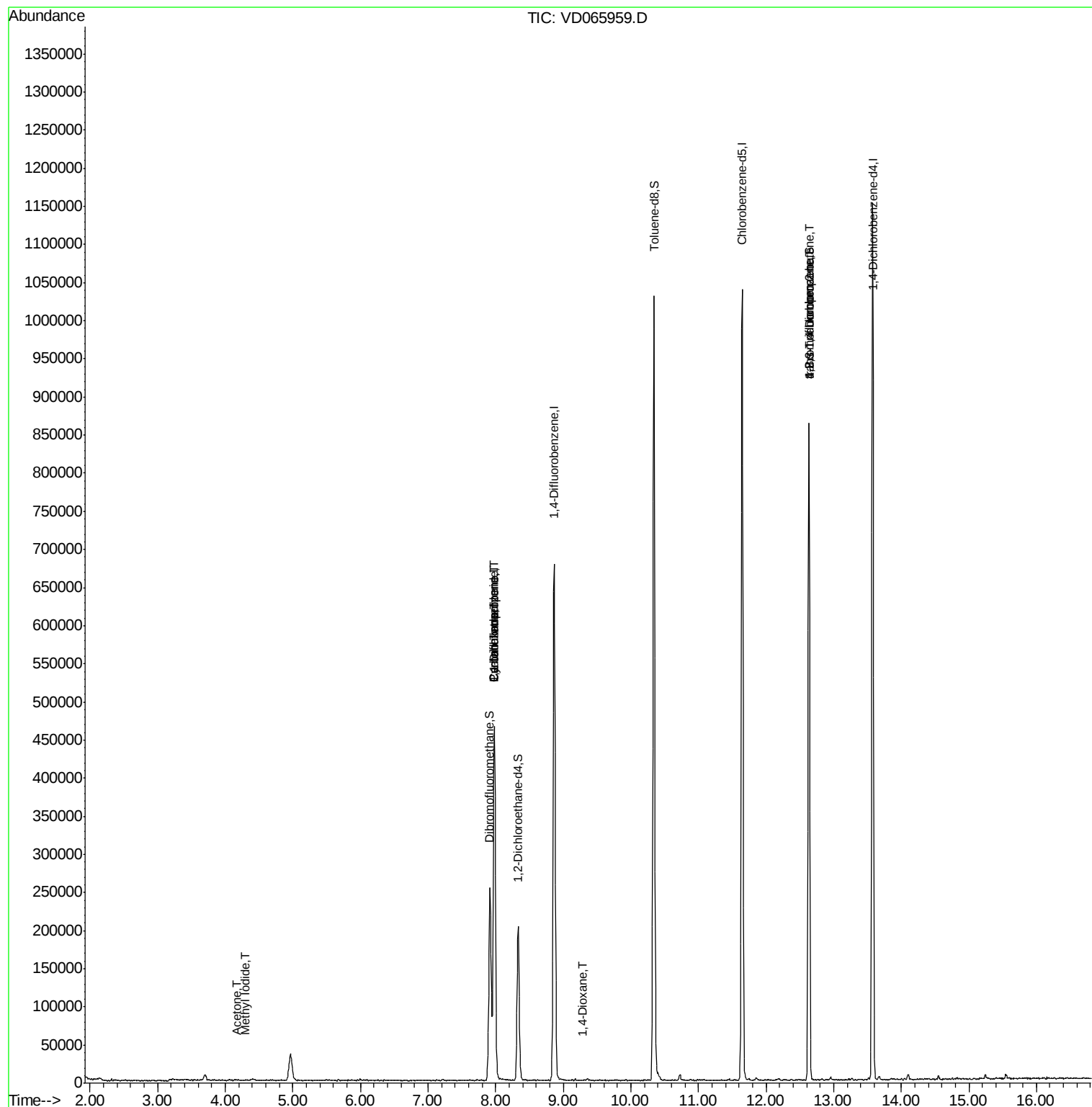
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	167	2.551	ug/l #	41
11) Tert butyl alcohol	5.18	59	62	Below Cal	#	71
13) Acrolein	3.64	56	81	Below Cal	#	15
16) Acetone	4.16	43	1432	1.814	ug/l	96
20) Methylene Chloride	4.97	84	27894	Below Cal		93
31) Cyclohexane	7.98	56	7092	1.031	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	24783	4.096	ug/l #	47
38) Carbon Tetrachloride	7.98	117	35213	5.430	ug/l #	18
49) 1,4-Dioxane	9.28	88	58	2.260	ug/l #	22
76) 1,2,3-Trichloropropane	12.63	75	137637	51.437	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	137637	110.522	ug/l #	11

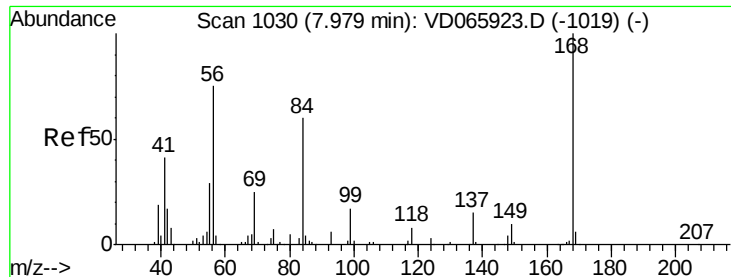
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071620\
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QLast Update : Wed Jul 08 09:45:47 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: VD065959.D

Acq: 16 Jul 2020 16:12

Instrument :

MSVOA_D

ClientSampleId :

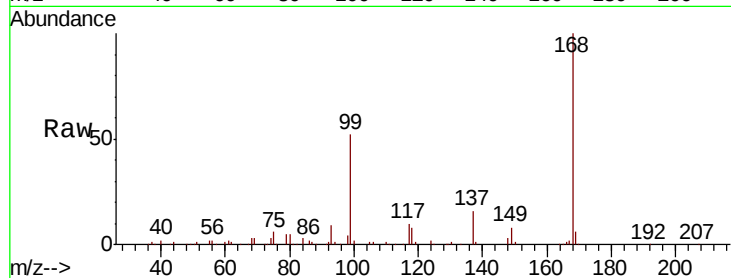
TP-16-D2

Tot Ion:168 Resp: 380054

Ion Ratio Lower Upper

168 100

99 51.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

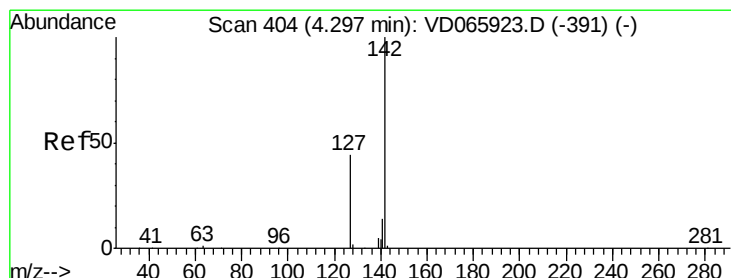
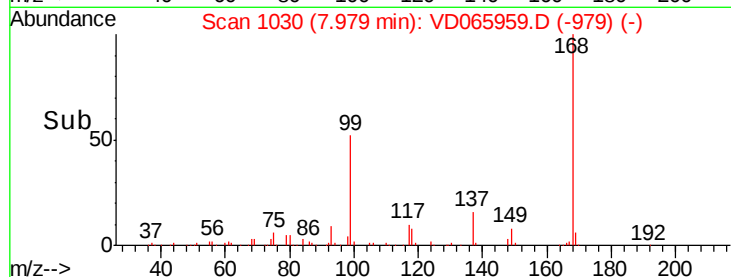
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.551 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065959.D

Acq: 16 Jul 2020 16:12

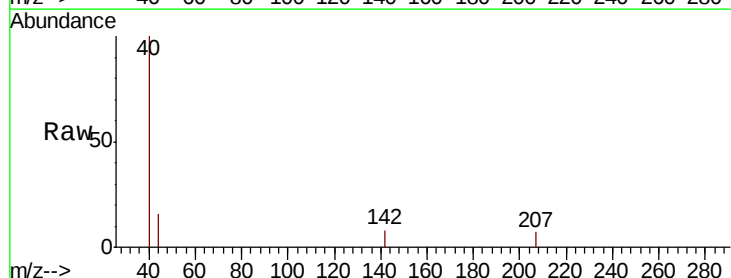
Tgt Ion:142 Resp: 167

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.29

300

250

200

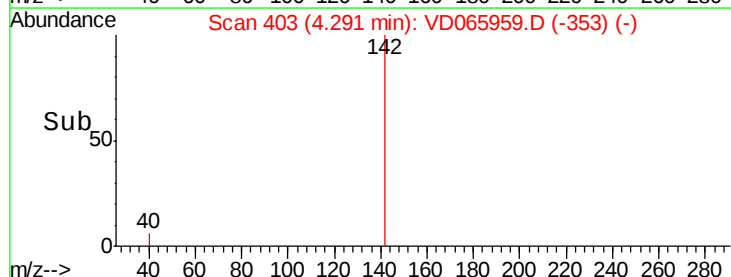
150

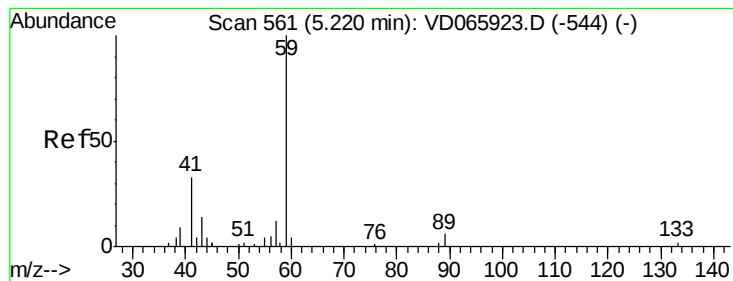
100

50

0

Time-->



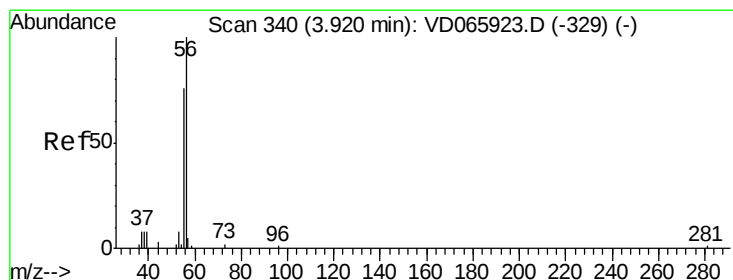
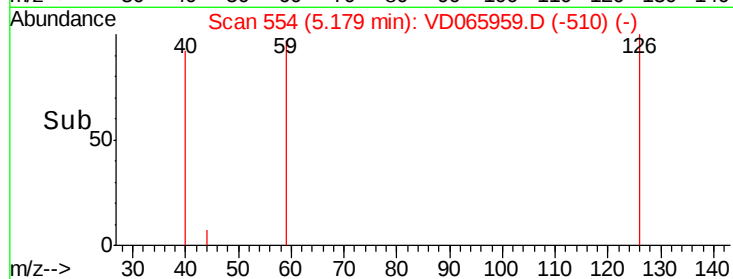
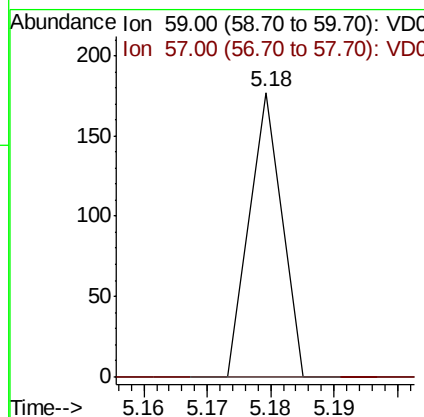
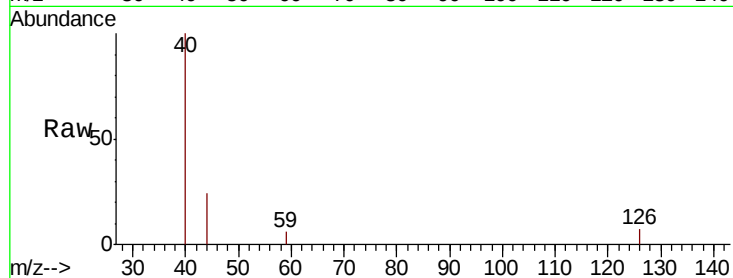


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 554
 Delta R.T. -0.04 min
 Lab File: VD065959.D
 Acq: 16 Jul 2020 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-16-D2

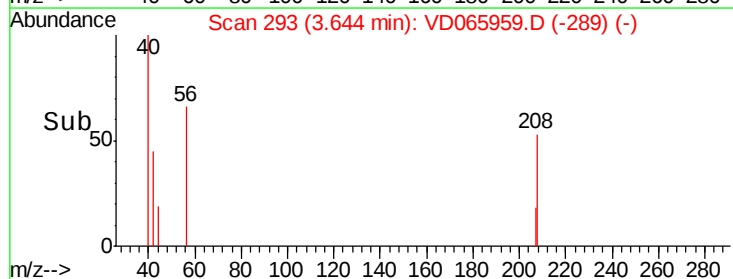
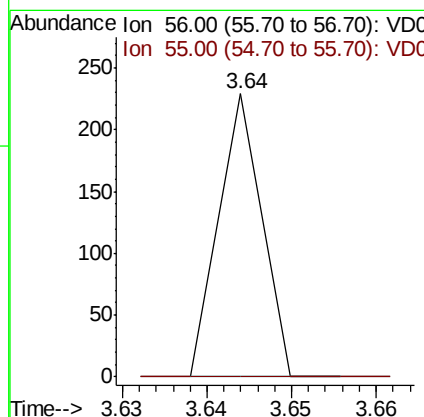
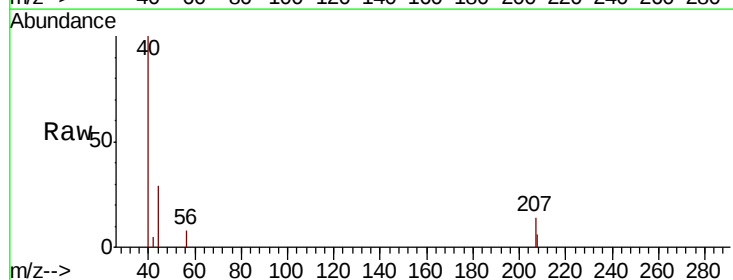
Tot Ion: 59 Resp: 62
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

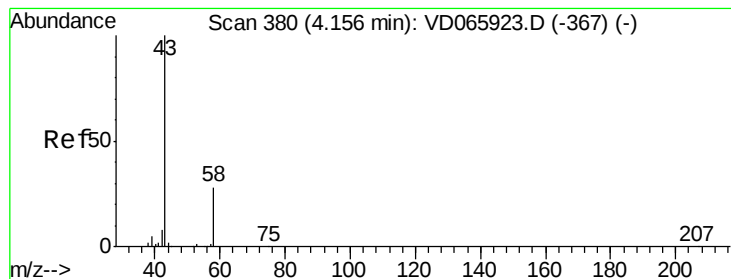


#13

Acrolein
 Concen: Below Cal
 RT: 3.64 min Scan# 293
 Delta R.T. -0.28 min
 Lab File: VD065959.D
 Acq: 16 Jul 2020 16:12

Tgt Ion: 56 Resp: 81
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.0 82.6#





#16

Acetone

Concen: 1.814 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065959.D

Acq: 16 Jul 2020 16:12

Instrument :

MSVOA_D

ClientSampleId :

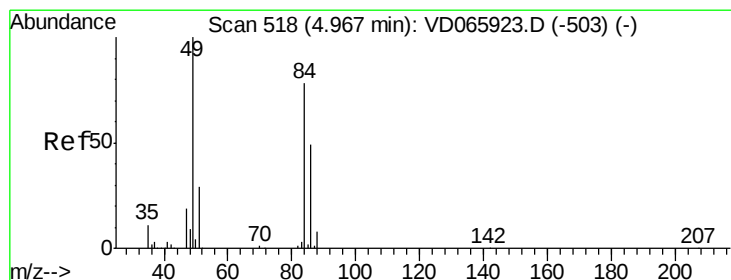
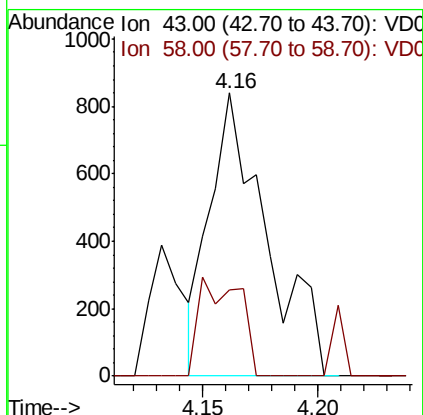
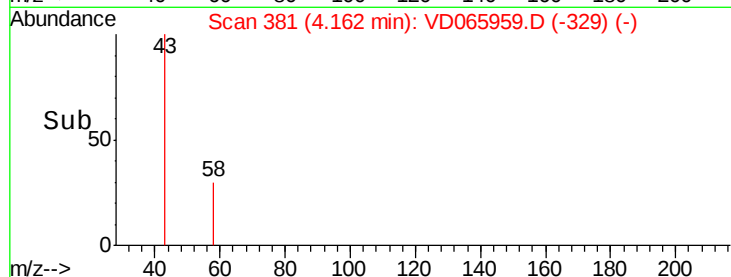
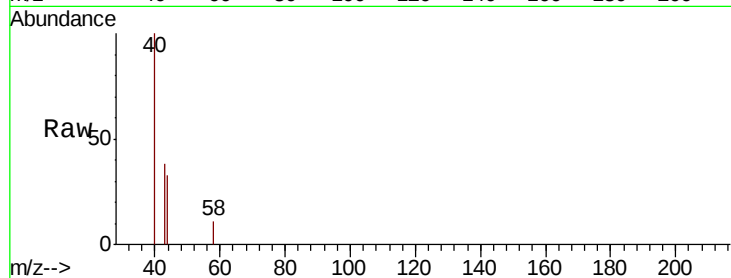
TP-16-D2

Tot Ion: 43 Resp: 1432

Ion Ratio Lower Upper

43 100

58 30.3 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065959.D

Acq: 16 Jul 2020 16:12

Tgt Ion: 84 Resp: 27894

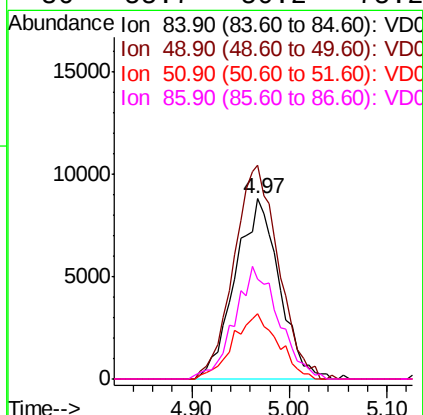
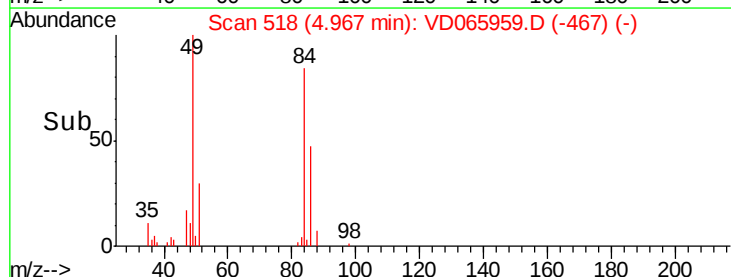
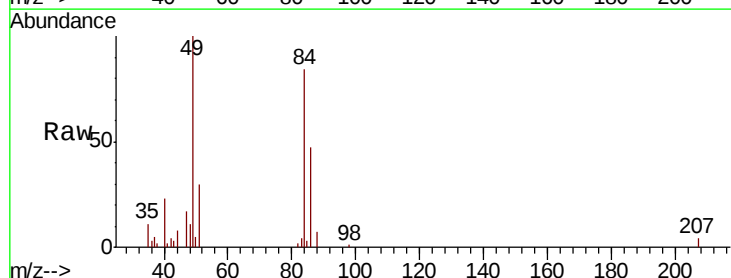
Ion Ratio Lower Upper

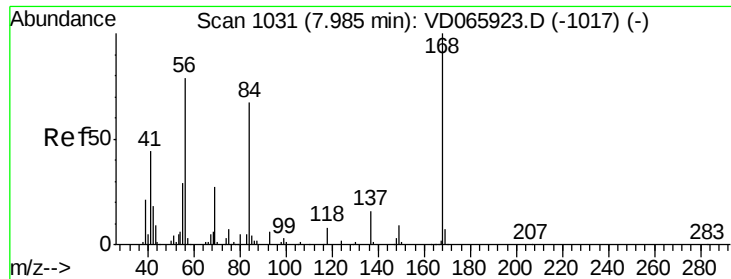
84 100

49 118.6 102.2 153.2

51 36.1 29.8 44.6

86 55.7 50.2 75.2

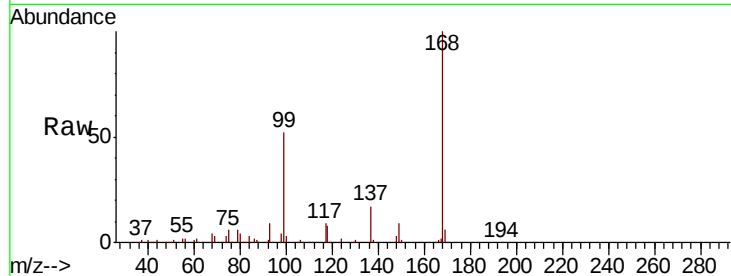




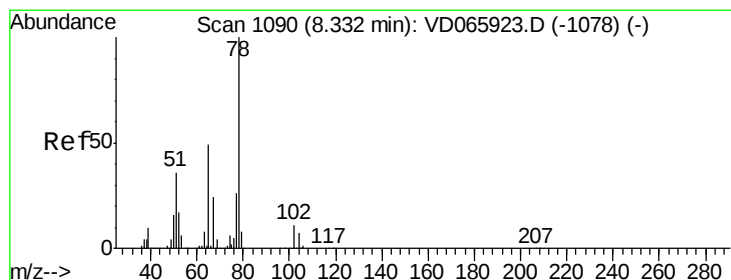
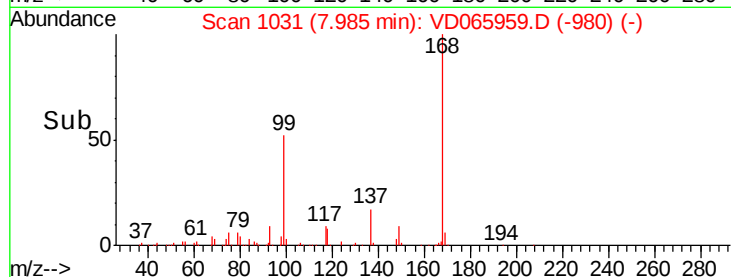
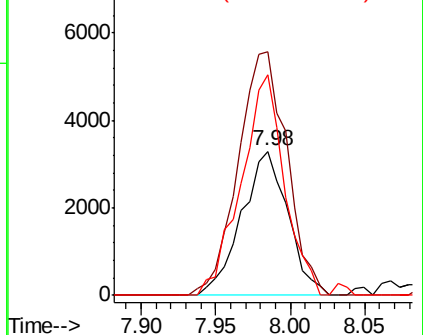
#31
Cyclohexane
Concen: 1.031 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065959.D
Acq: 16 Jul 2020 16:12

Instrument :
MSVOA_D
ClientSampleId :
TP-16-D2

Tot Ion: 56 Resp: 7092
Ion Ratio Lower Upper
56 100
69 169.1 27.4 41.0#
84 153.1 68.6 102.8#

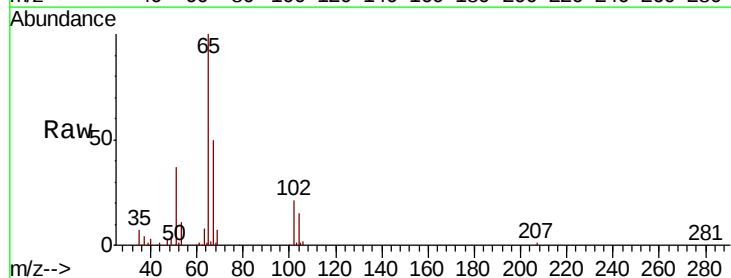


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

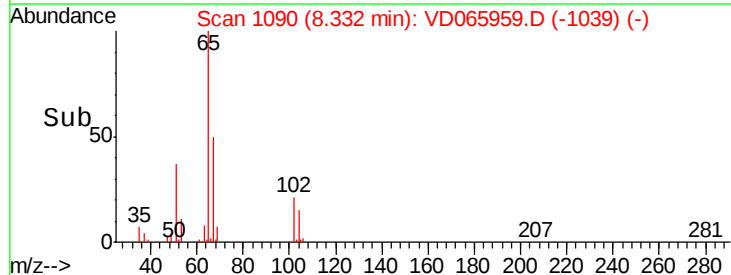
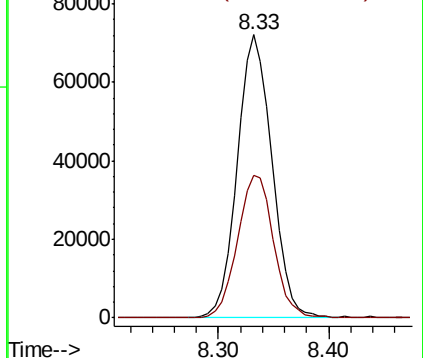


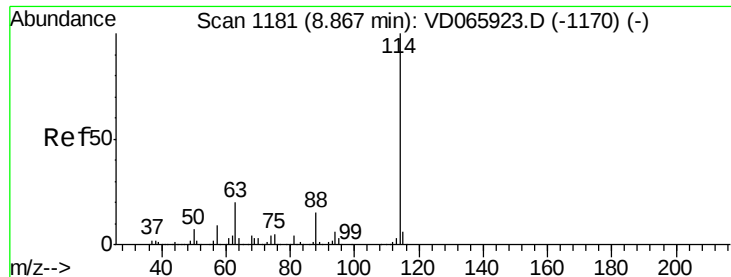
#33
1,2-Dichloroethane-d4
Concen: 47.271 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD065959.D
Acq: 16 Jul 2020 16:12

Tgt Ion: 65 Resp: 159215
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.6



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

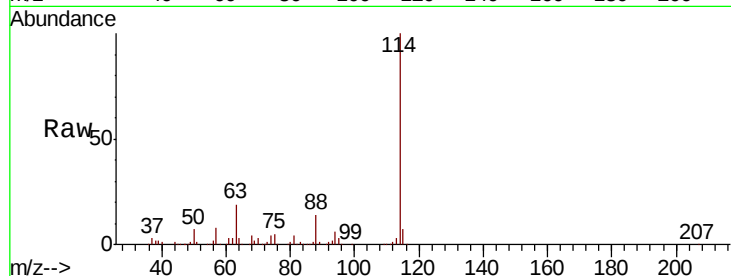




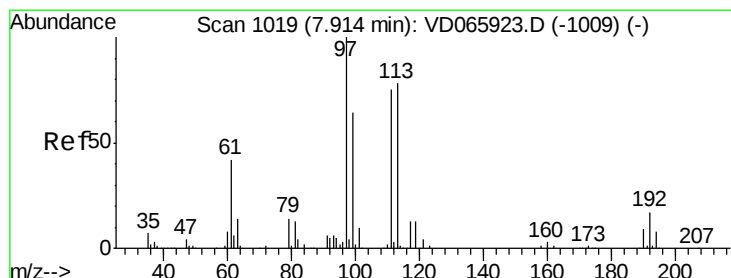
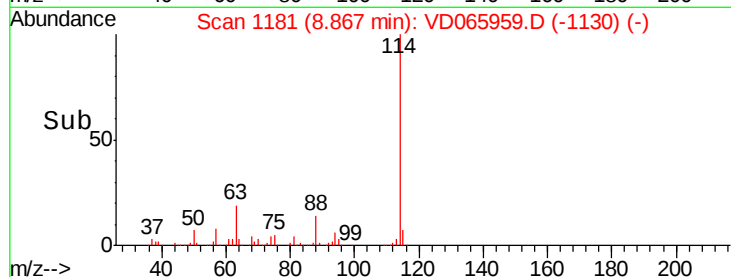
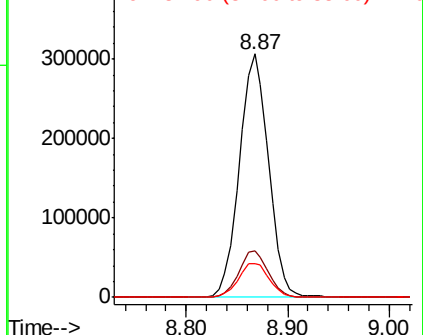
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065959.D
 Acq: 16 Jul 2020 16:12

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-16-D2

Tot Ion:114 Resp: 612592
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 13.6 0.0 30.0

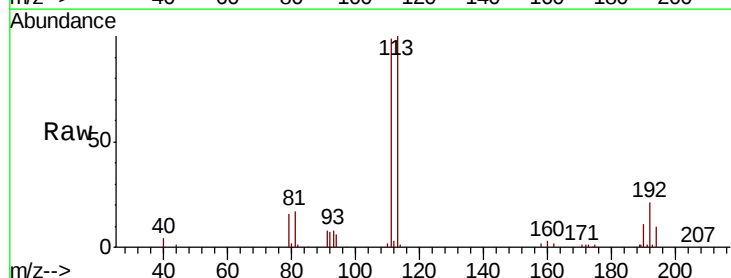


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

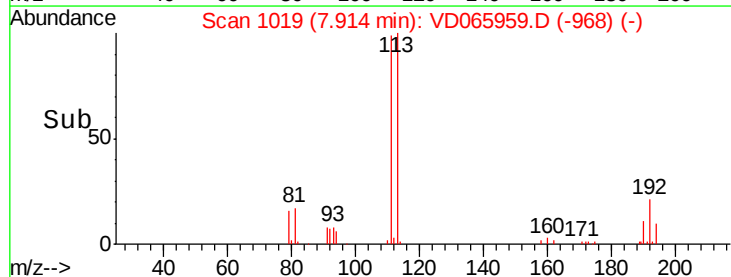
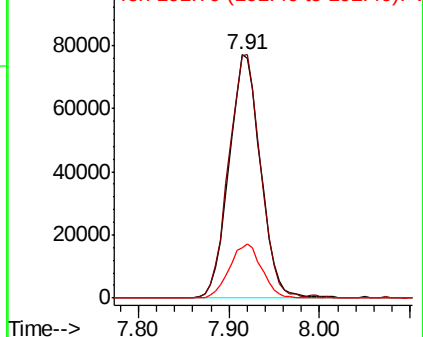


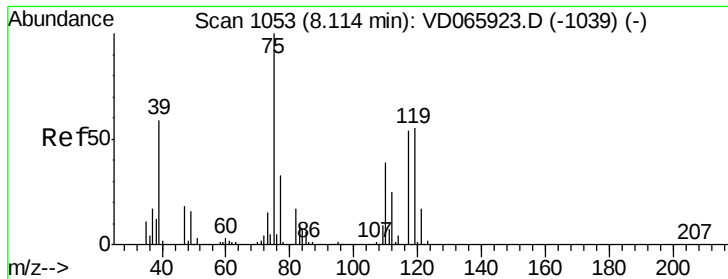
#35
 Dibromofluoromethane
 Concen: 49.390 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065959.D
 Acq: 16 Jul 2020 16:12

Tgt Ion:113 Resp: 186647
 Ion Ratio Lower Upper
 113 100
 111 101.1 80.9 121.3
 192 22.8 17.1 25.7



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: 4.096 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065959.D

Acq: 16 Jul 2020 16:12

Instrument :

MSVOA_D

ClientSampled :

TP-16-D2

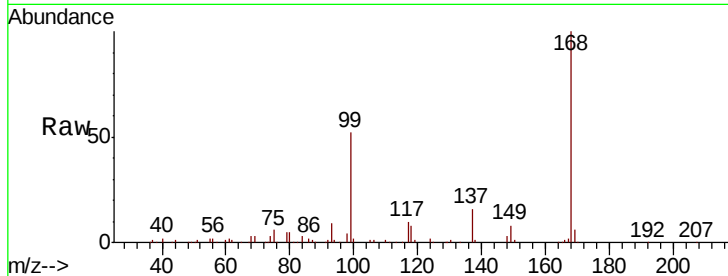
Tot Ion: 75 Resp: 24783

Ion Ratio Lower Upper

75 100

110 8.2 18.5 55.5#

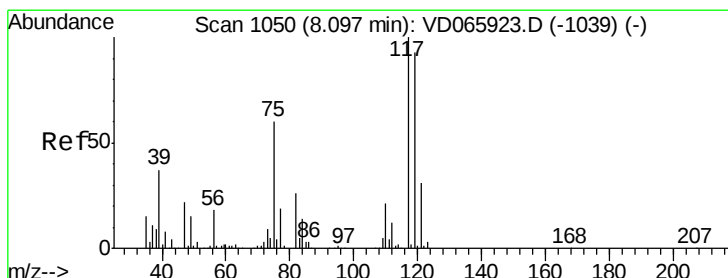
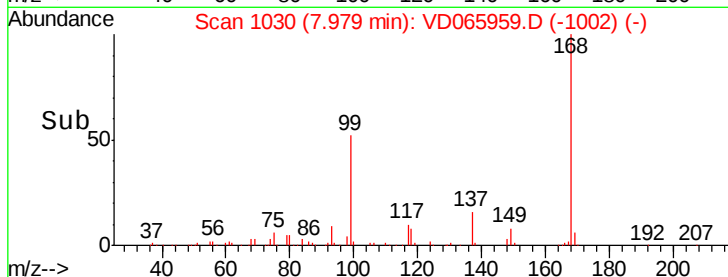
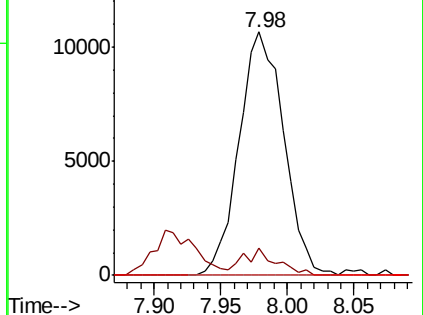
77 0.0 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 5.430 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065959.D

Acq: 16 Jul 2020 16:12

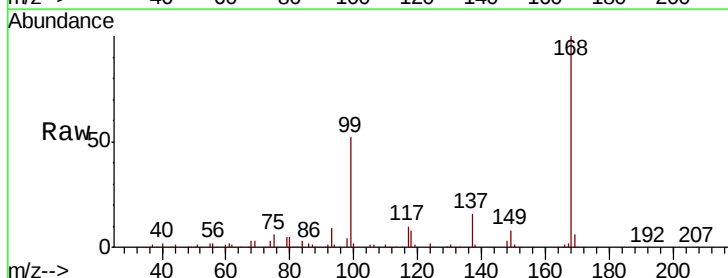
Tgt Ion: 117 Resp: 35213

Ion Ratio Lower Upper

117 100

119 6.7 74.7 112.1#

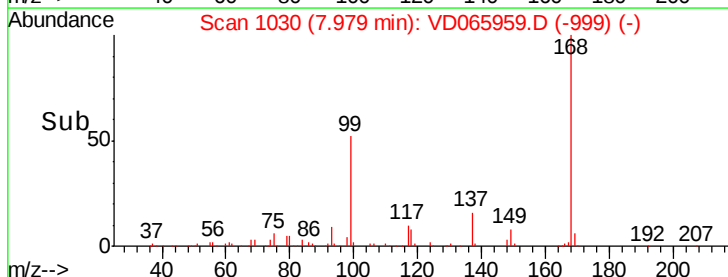
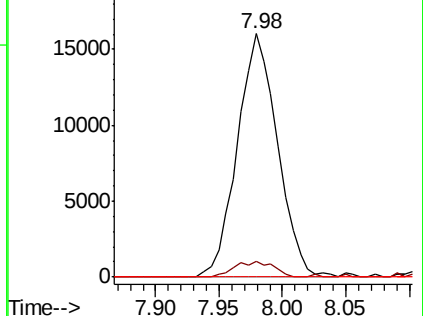
121 0.0 24.9 37.3#

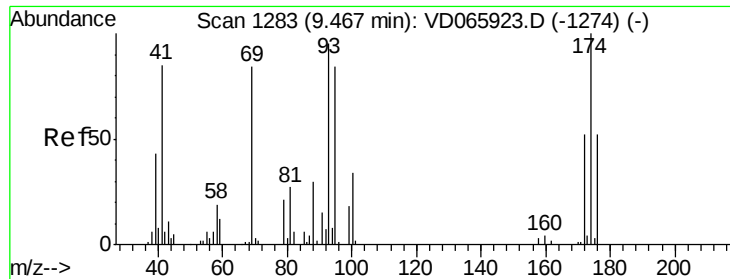


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 2.260 ug/l

RT: 9.28 min Scan# 1251

Delta R.T. -0.19 min

Lab File: VD065959.D

Acq: 16 Jul 2020 16:12

Instrument :

MSVOA_D

ClientSampleId :

TP-16-D2

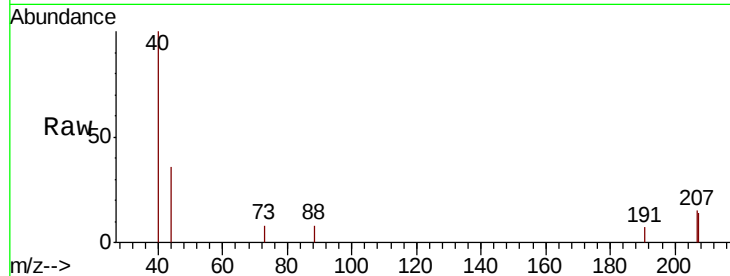
Tot Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 0.0 28.2 42.4#

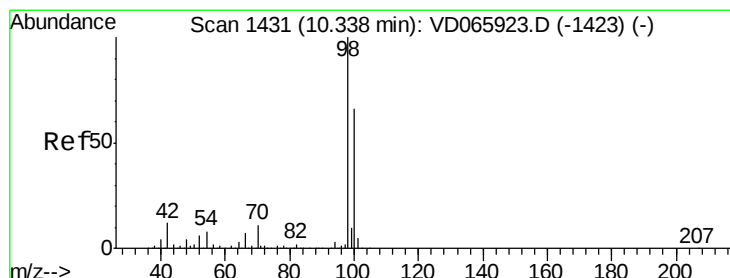
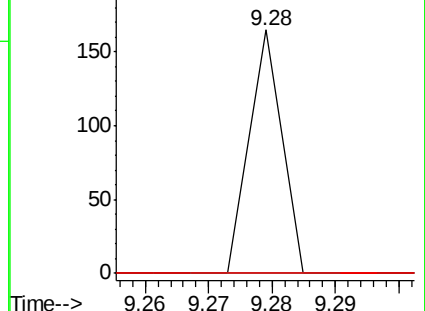
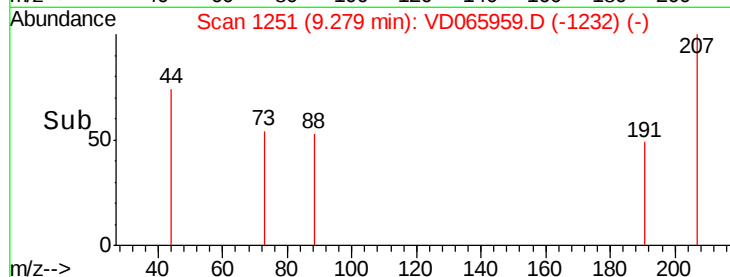
58 0.0 58.6 87.8#



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: 52.590 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065959.D

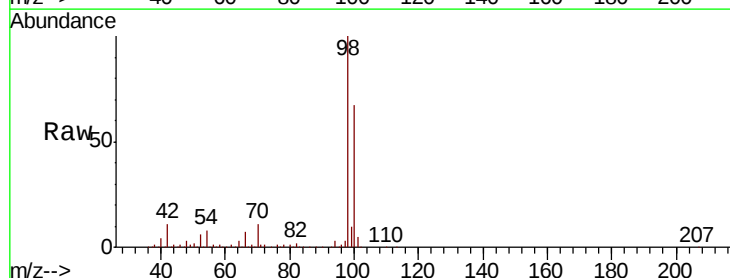
Acq: 16 Jul 2020 16:12

Tgt Ion: 98 Resp: 725130

Ion Ratio Lower Upper

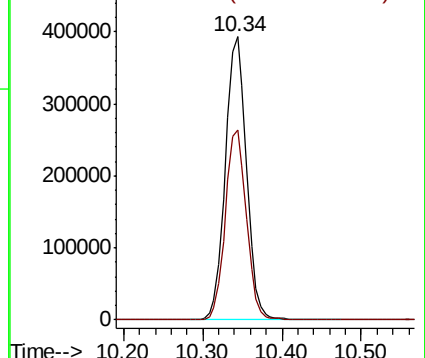
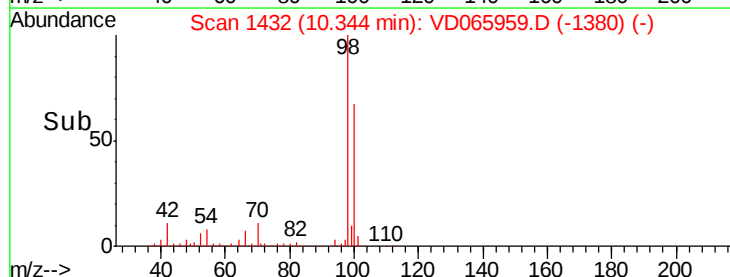
98 100

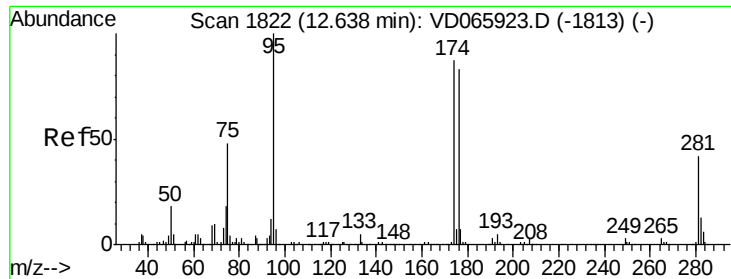
100 66.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

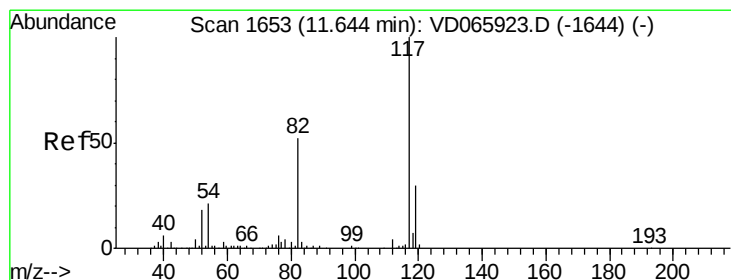
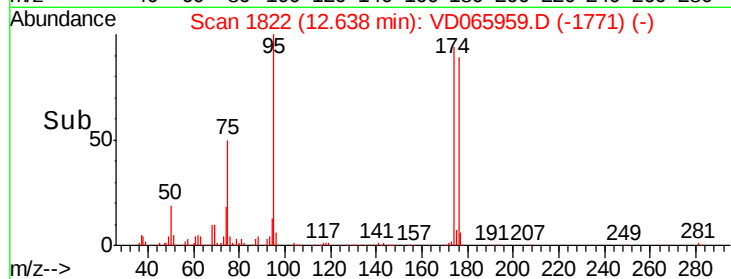
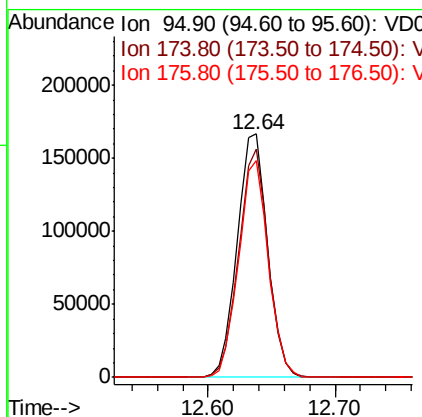
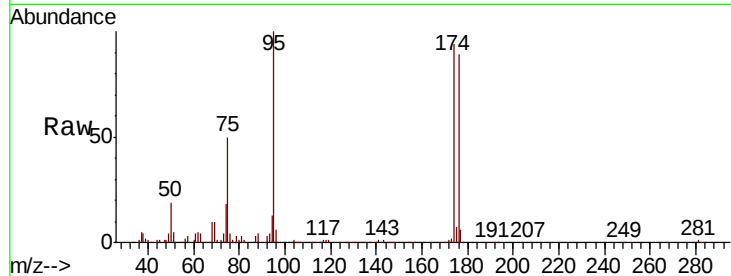




#62
4-Bromofluorobenzene
Concen: 58.341 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065959.D
Acq: 16 Jul 2020 16:12

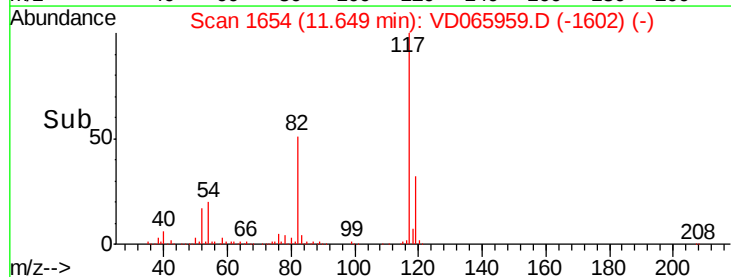
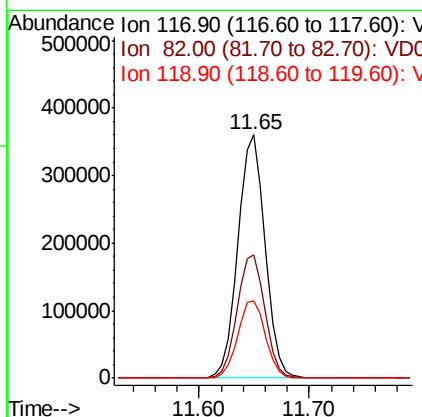
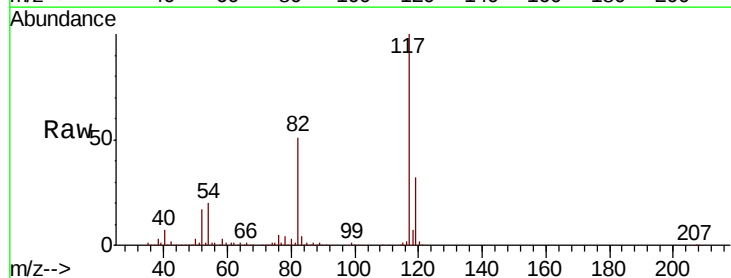
Instrument :
MSVOA_D
ClientSampleId :
TP-16-D2

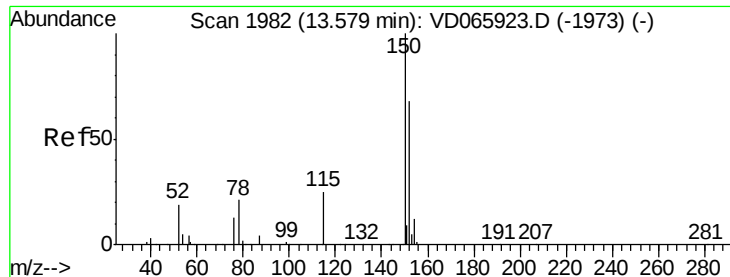
Tot Ion: 95 Resp: 276240
Ion Ratio Lower Upper
95 100
174 91.3 0.0 169.4
176 87.2 0.0 164.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065959.D
Acq: 16 Jul 2020 16:12

Tgt Ion: 117 Resp: 624327
Ion Ratio Lower Upper
117 100
82 50.9 41.8 62.8
119 31.6 24.3 36.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065959.D

Acq: 16 Jul 2020 16:12

Instrument :

MSVOA_D

ClientSampleId :

TP-16-D2

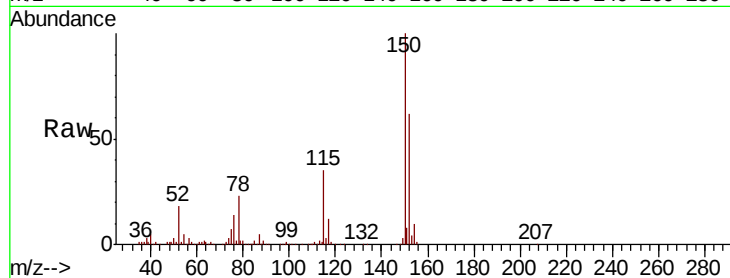
Tot Ion:152 Resp: 318985

Ion Ratio Lower Upper

152 100

115 54.7 27.8 83.3

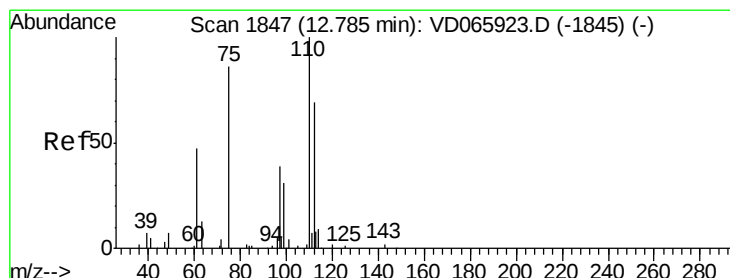
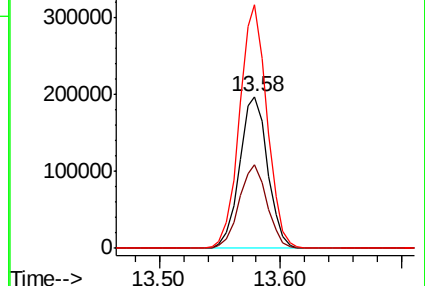
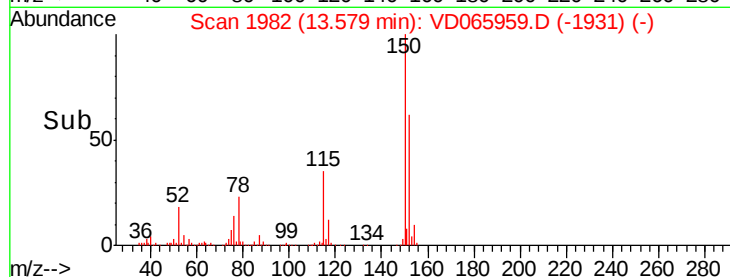
150 157.5 0.0 347.2



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: 51.437 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD065959.D

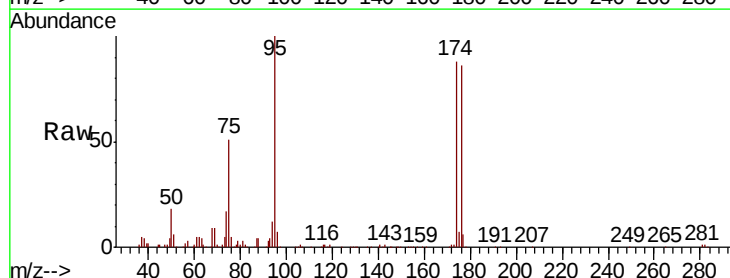
Acq: 16 Jul 2020 16:12

Tgt Ion: 75 Resp: 137637

Ion Ratio Lower Upper

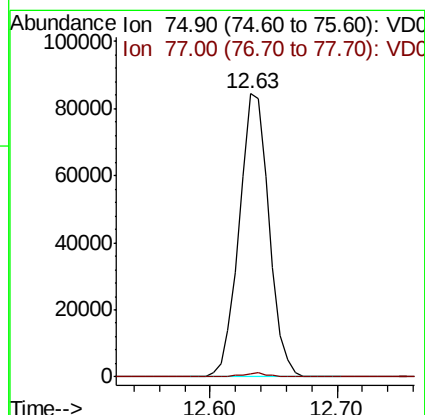
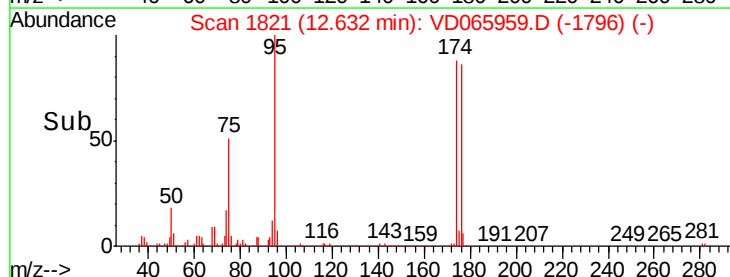
75 100

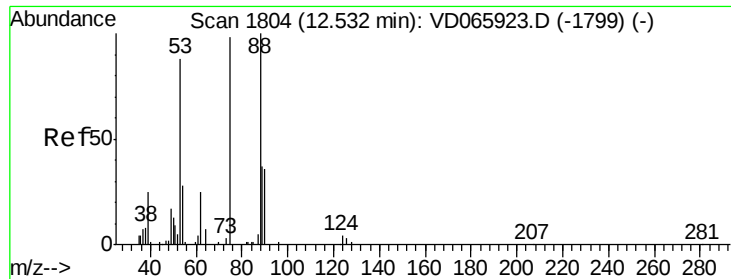
77 1.3 0.0 0.0#



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: 110.522 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD065959.D

Acq: 16 Jul 2020 16:12

Instrument :

MSVOA_D

ClientSampleId :

TP-16-D2

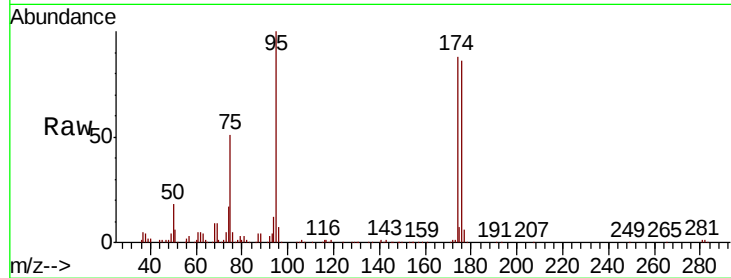
Tot Ion: 75 Resp: 137637

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.0 37.5 56.3#



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

