

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033120\
 Data File : VD065569.D
 Acq On : 31 Mar 2020 16:44
 Operator : VA/SY
 Sample : L1752-05RE
 Misc : 7.59G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 05:55:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	428448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	817028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	936200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	418188	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	262019	73.47	ug/l	0.00
Spiked Amount			Recovery	=	146.94%	
35) Dibromofluoromethane	7.92	113	272668	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	
50) Toluene-d8	10.34	98	1161024	61.32	ug/l	0.00
Spiked Amount			Recovery	=	122.64%	
62) 4-Bromofluorobenzene	12.64	95	371192	61.77	ug/l	0.00
Spiked Amount			Recovery	=	123.54%	

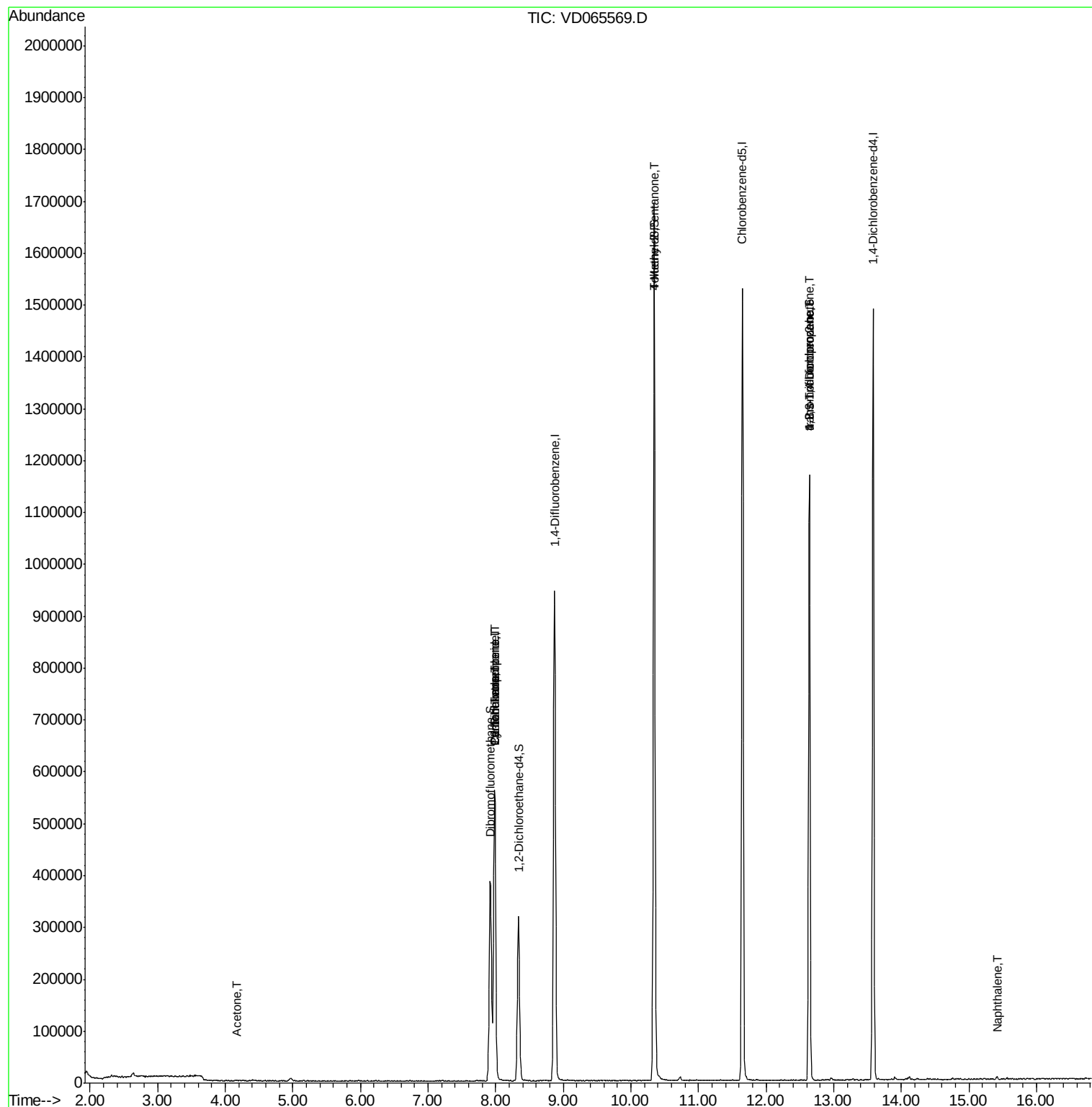
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	234	Below Cal	#	42
3) Chloromethane	2.22	50	496	Below Cal	#	42
5) Bromomethane	2.78	94	83	Below Cal	#	1
16) Acetone	4.17	43	946	1.406	ug/l #	40
20) Methylene Chloride	4.97	84	3993	Below Cal		91
31) Cyclohexane	7.98	56	9119	1.360	ug/l #	27
36) 1,1-Dichloropropene	7.98	75	31284	4.191	ug/l #	49
38) Carbon Tetrachloride	7.98	117	41521	5.281	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	4644	1.773	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	180735	56.215	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	180735	125.483	ug/l #	13
95) Naphthalene	15.41	128	3958	4.603	ug/l #	94

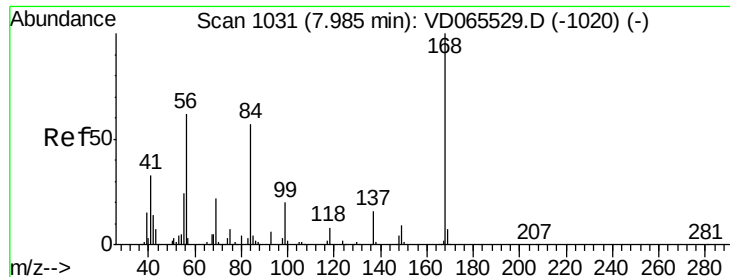
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 01:47:48 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065569.D

Acq: 31 Mar 2020 16:44

Instrument :

MSVOA_D

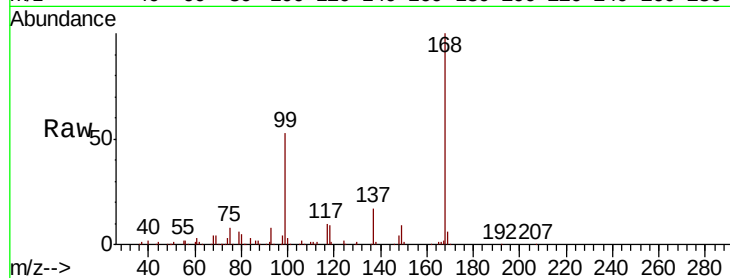
ClientSampleId :

Tot Ion:168 Resp: 428448

Ion Ratio Lower Upper

168 100

99 53.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

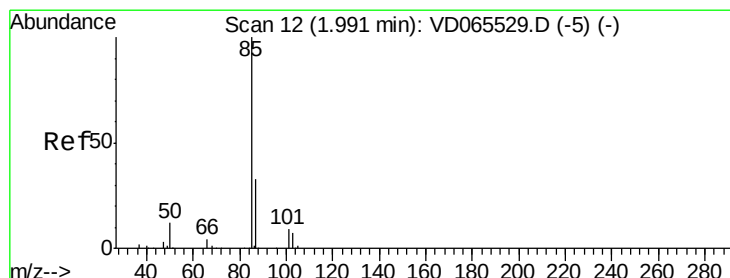
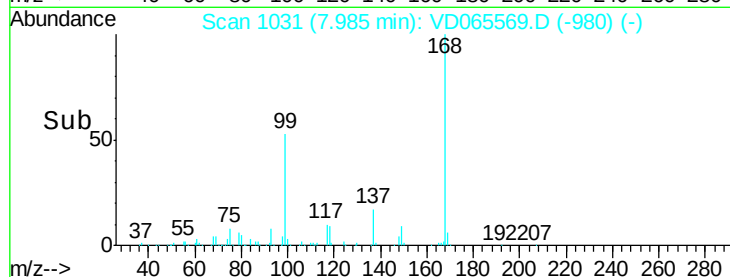
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD065569.D

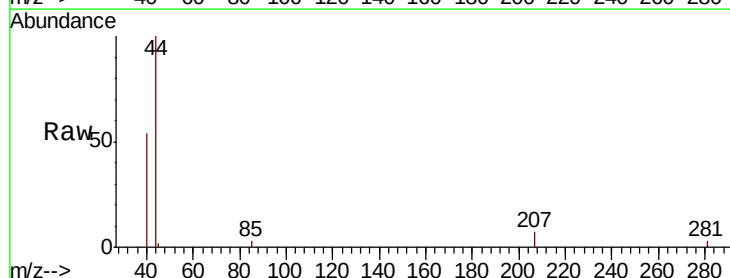
Acq: 31 Mar 2020 16:44

Tgt Ion: 85 Resp: 234

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

300

250

200

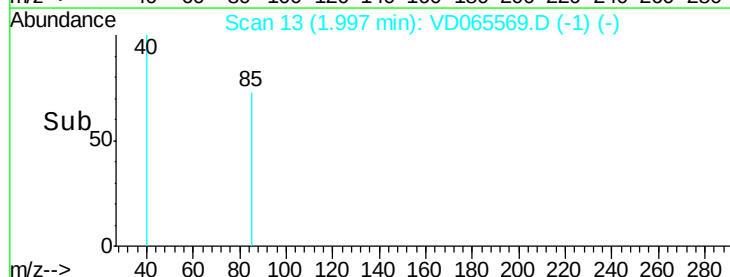
150

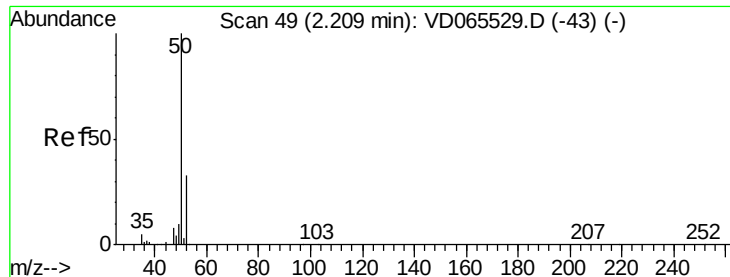
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.22 min Scan# 51

Delta R.T. 0.01 min

Lab File: VD065569.D

Acq: 31 Mar 2020 16:44

Instrument :

MSVOA_D

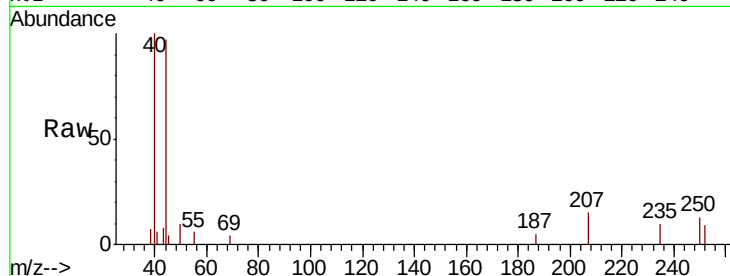
ClientSampleId :

Tot Ion: 50 Resp: 496

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.22

300

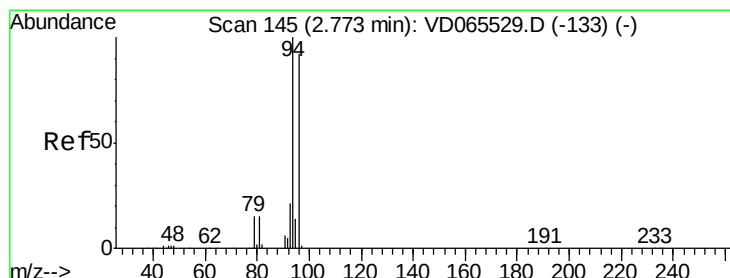
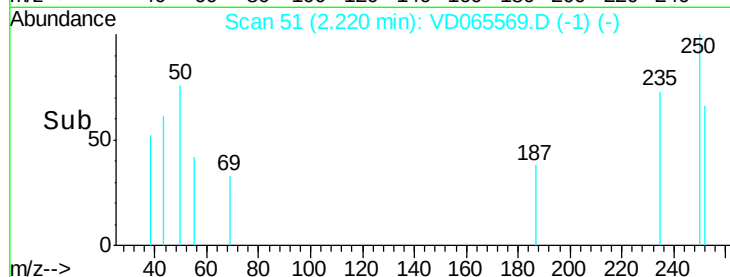
200

100

0

2.18 2.20 2.22 2.24

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065569.D

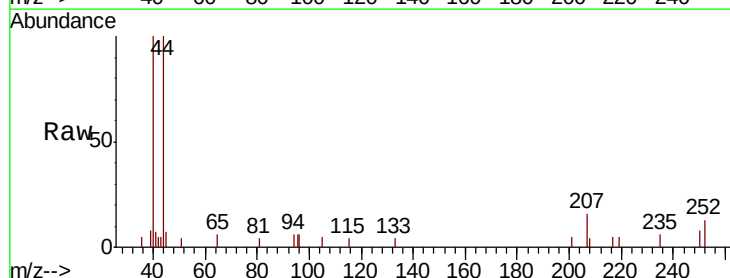
Acq: 31 Mar 2020 16:44

Tgt Ion: 94 Resp: 83

Ion Ratio Lower Upper

94 100

96 214.5 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

600

500

400

300

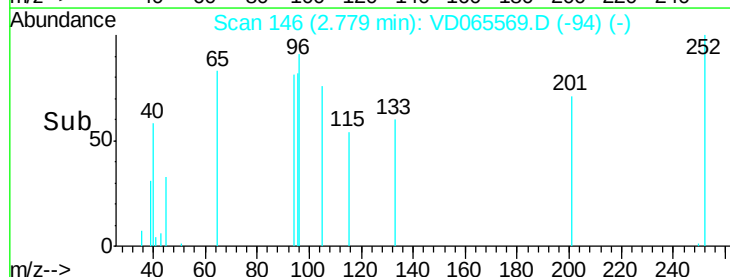
200

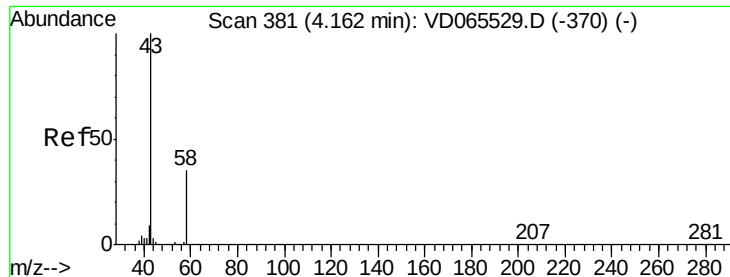
100

0

2.76 2.77 2.78 2.79

Time-->





#16

Acetone

Concen: 1.406 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065569.D

Acq: 31 Mar 2020 16:44

Instrument :

MSVOA_D

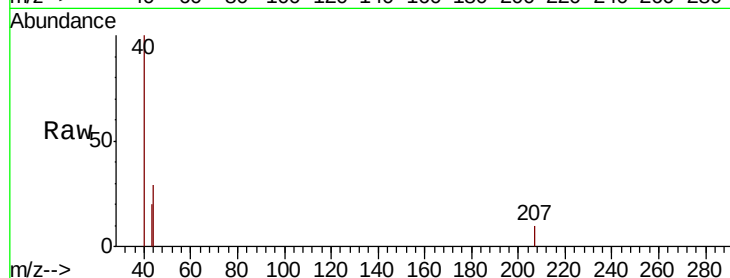
ClientSampleId :

Tot Ion: 43 Resp: 946

Ion Ratio Lower Upper

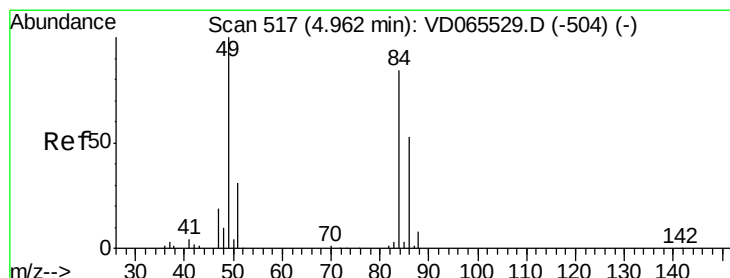
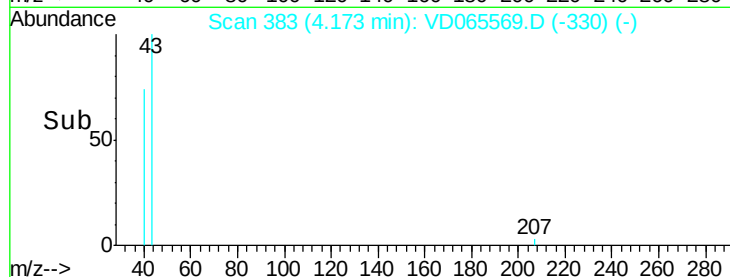
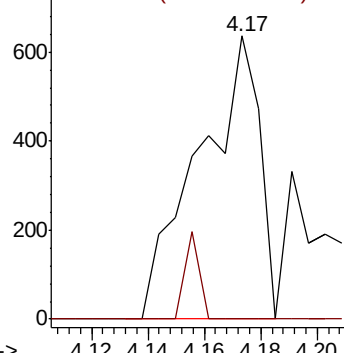
43 100

58 0.0 27.9 41.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD065569.D

Acq: 31 Mar 2020 16:44

Tgt Ion: 84 Resp: 3993

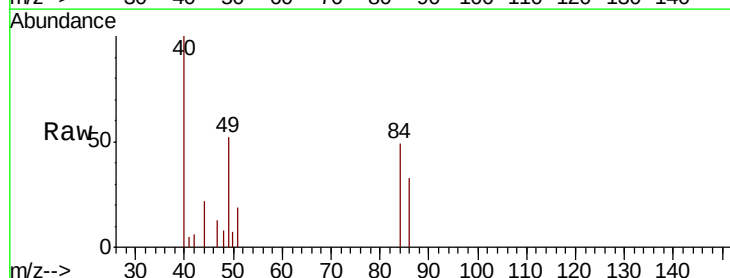
Ion Ratio Lower Upper

84 100

49 105.5 95.6 143.4

51 39.1 29.4 44.2

86 66.1 50.6 76.0

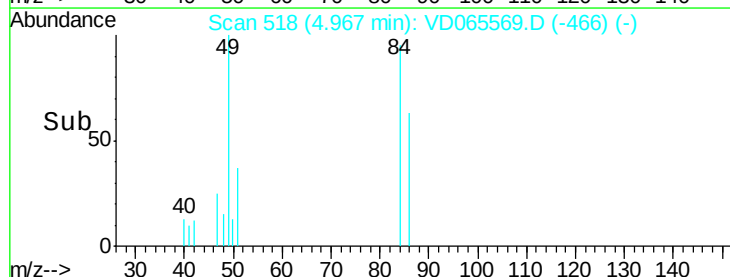
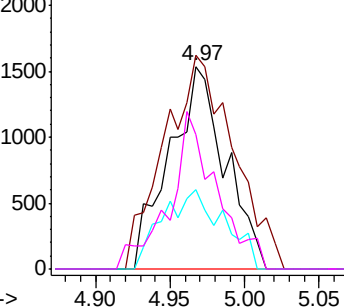


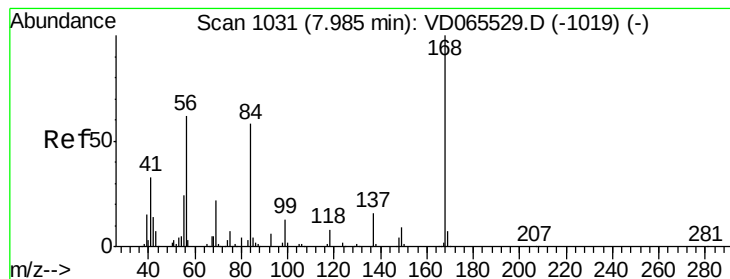
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.360 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065569.D

Acq: 31 Mar 2020 16:44

Instrument :

MSVOA_D

ClientSampleId :

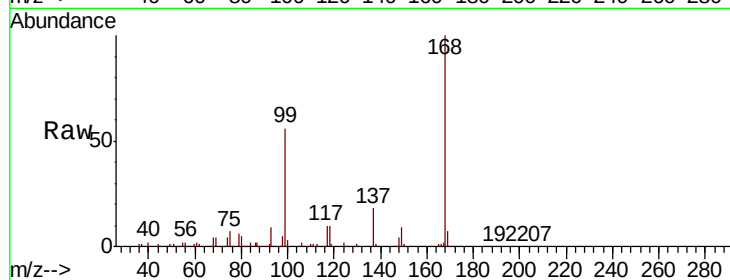
Tot Ion: 56 Resp: 9119

Ion Ratio Lower Upper

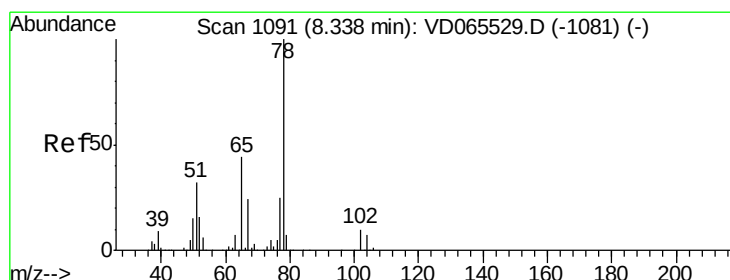
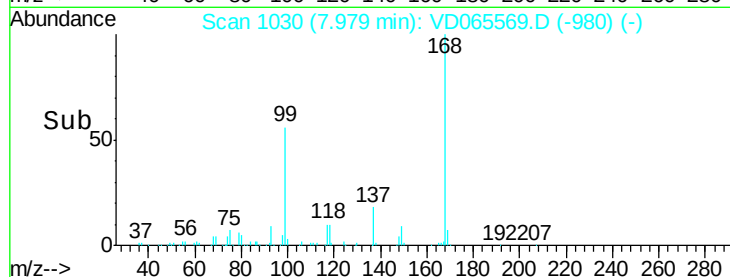
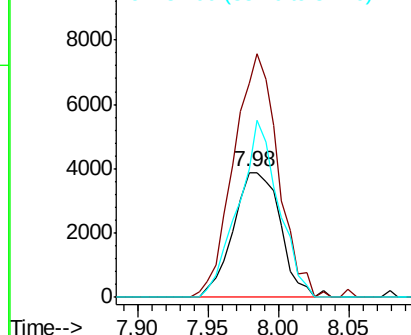
56 100

69 171.9 28.2 42.4#

84 102.6 73.4 110.0



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: 73.466 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065569.D

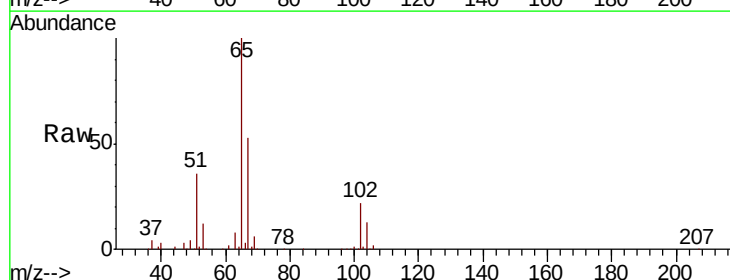
Acq: 31 Mar 2020 16:44

Tgt Ion: 65 Resp: 262019

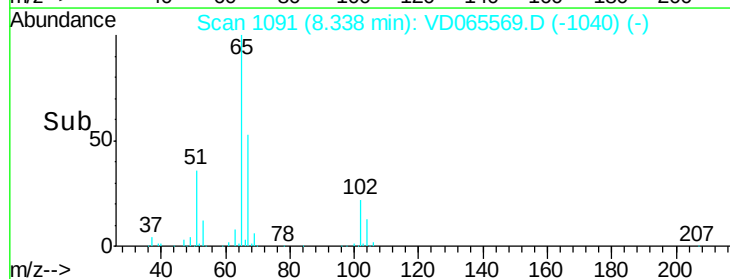
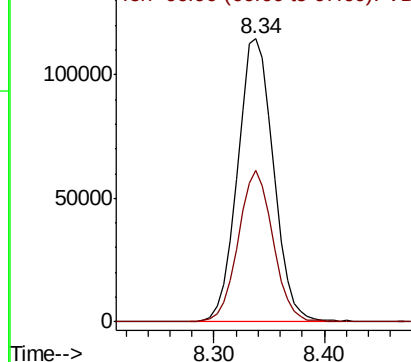
Ion Ratio Lower Upper

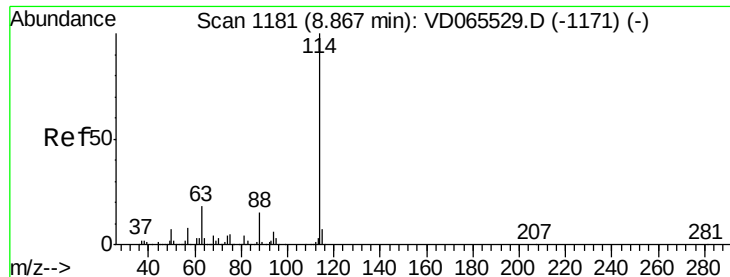
65 100

67 51.7 0.0 107.6



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# 1182

Delta R.T. 0.01 min

Lab File: VD065569.D

Acq: 31 Mar 2020 16:44

Instrument :

MSVOA_D

ClientSampled :

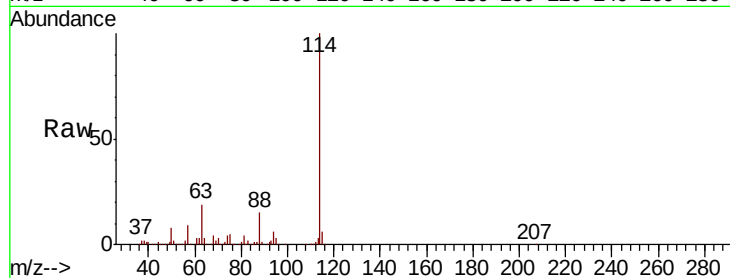
Tot Ion:114 Resp: 817028

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.0

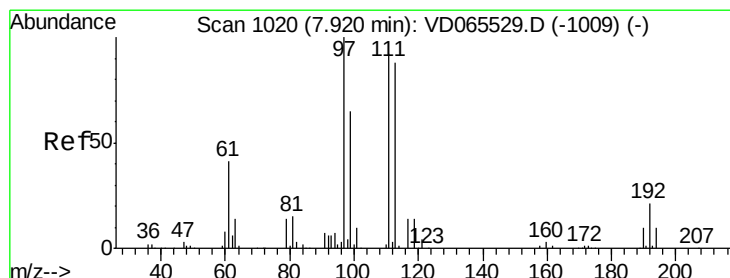
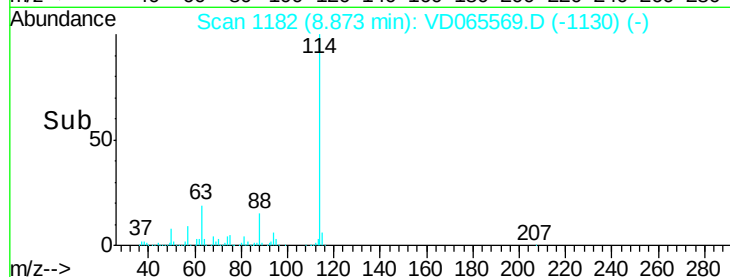
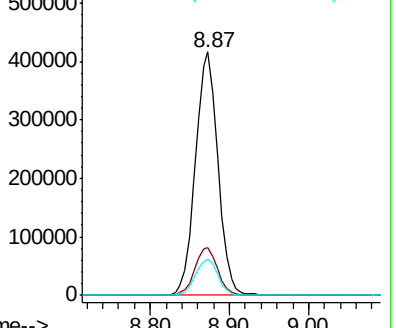
88 14.8 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 54.068 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065569.D

Acq: 31 Mar 2020 16:44

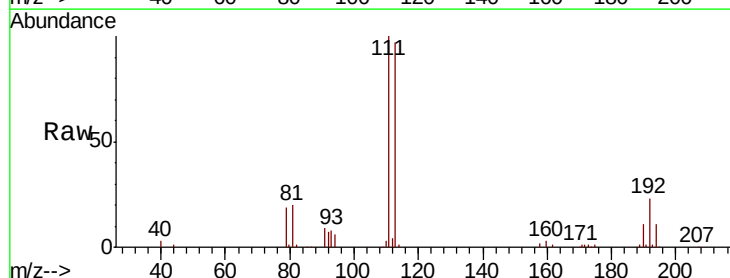
Tgt Ion:113 Resp: 272668

Ion Ratio Lower Upper

113 100

111 102.1 83.3 124.9

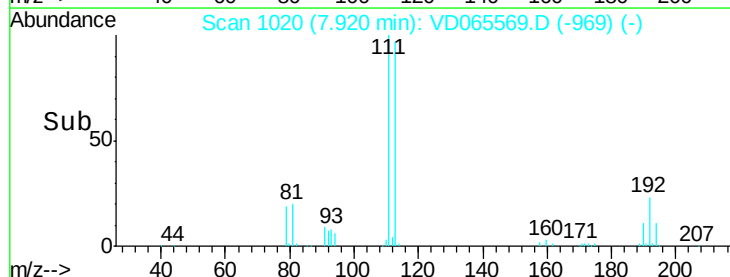
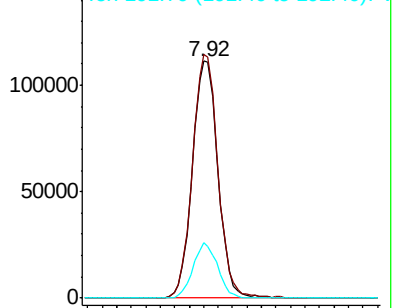
192 22.2 18.5 27.7

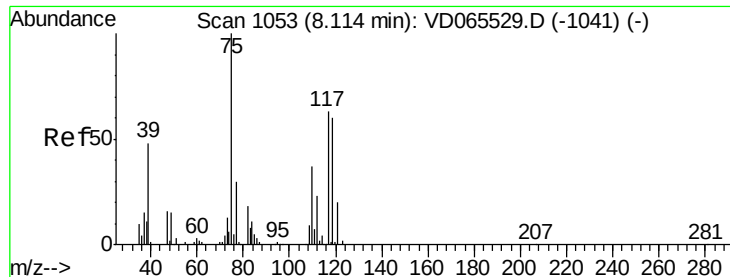


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

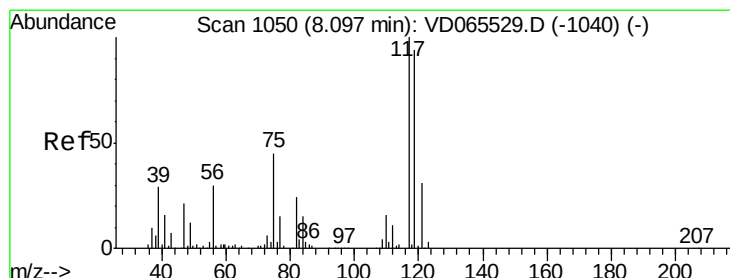
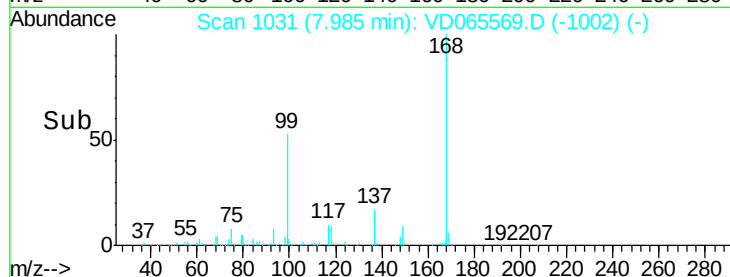
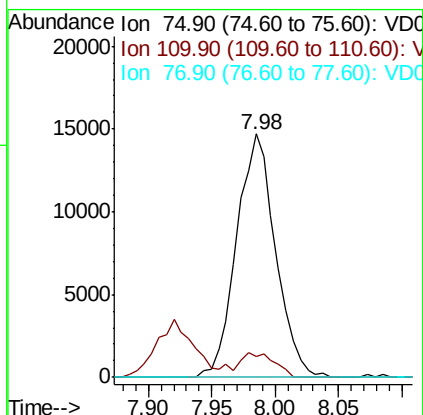
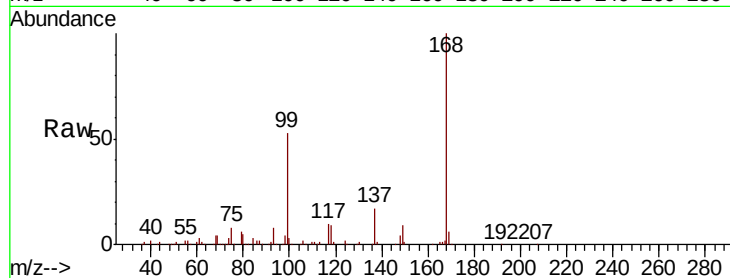




#36
 1,1-Dichloropropene
 Concen: 4.191 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065569.D
 Acq: 31 Mar 2020 16:44

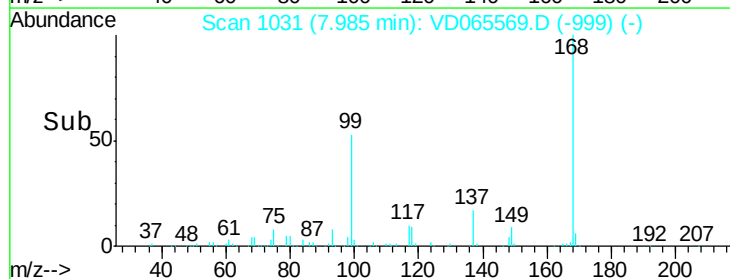
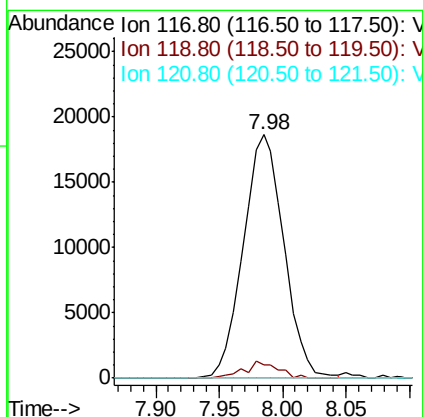
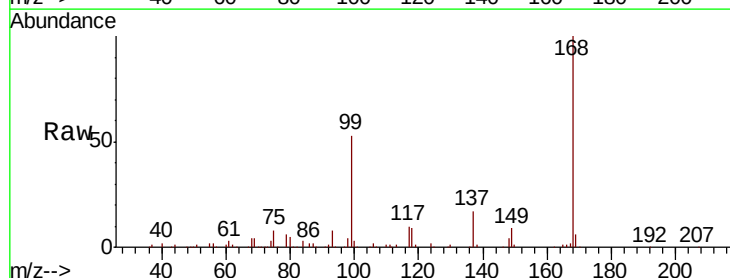
Instrument :
 MSVOA_D
 ClientSampleId :

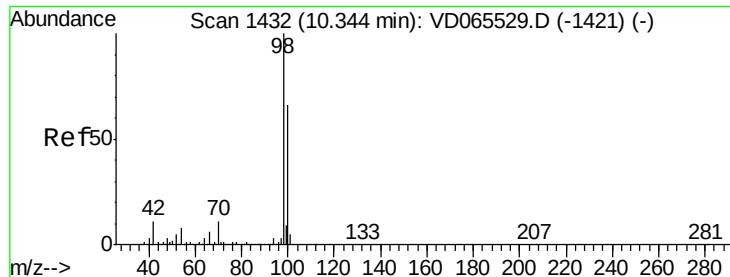
Tot Ion	75	110	77	Resp	Lower	Upper
31284	100	9.9	0.0		18.8	56.4#
					25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.281 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065569.D
 Acq: 31 Mar 2020 16:44

Tgt Ion	117	119	121	Resp	Lower	Upper
41521	100	5.4	0.0		75.2	112.8#
					24.5	36.7#

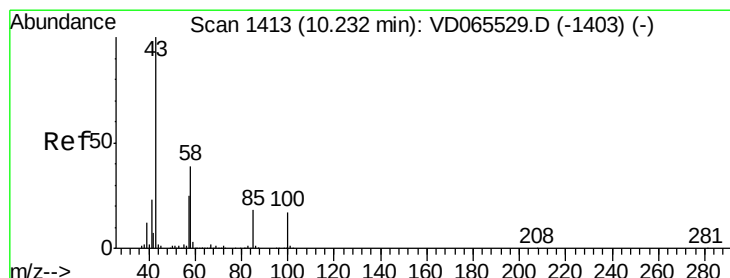
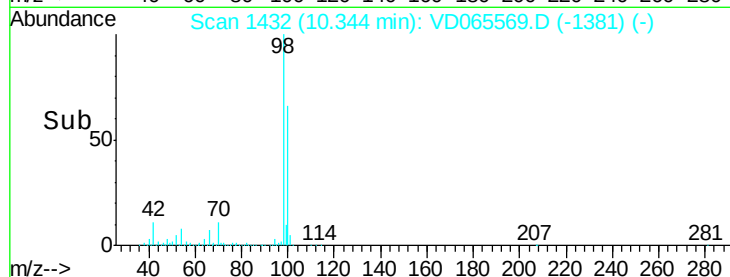
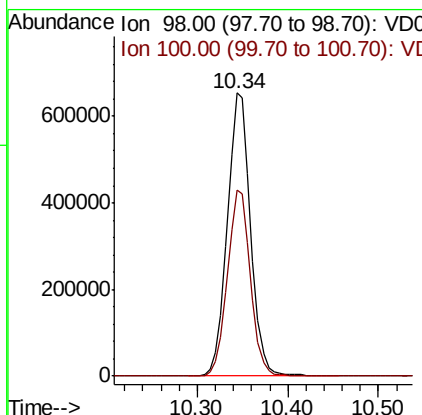
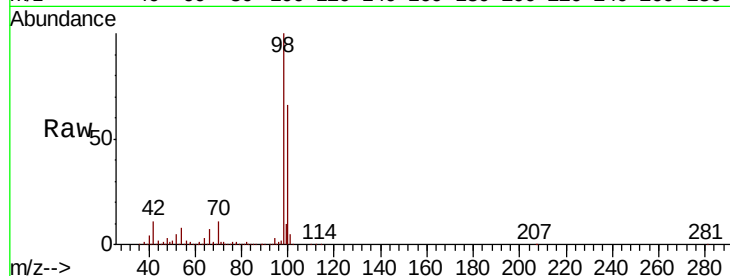




#50
Toluene-d8
Concen: 61.322 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065569.D
Acq: 31 Mar 2020 16:44

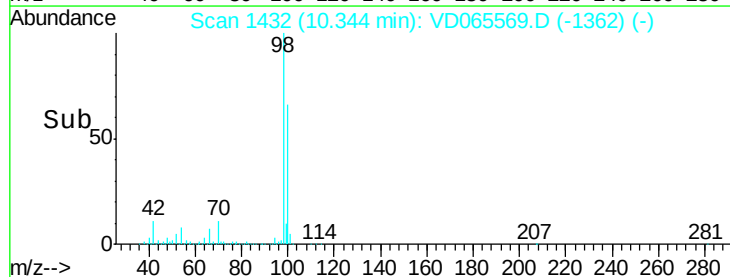
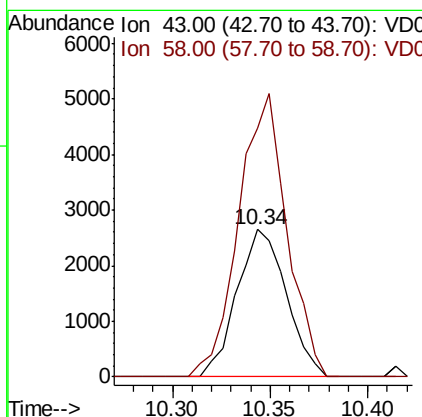
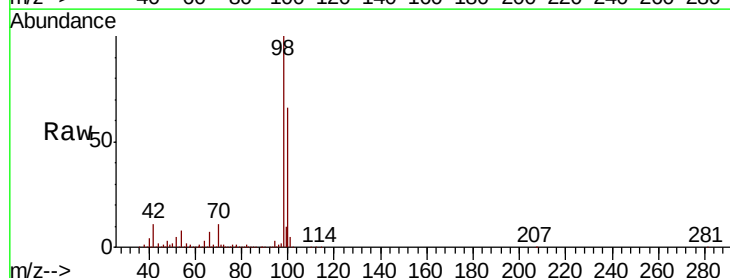
Instrument :
MSVOA_D
ClientSampleId :

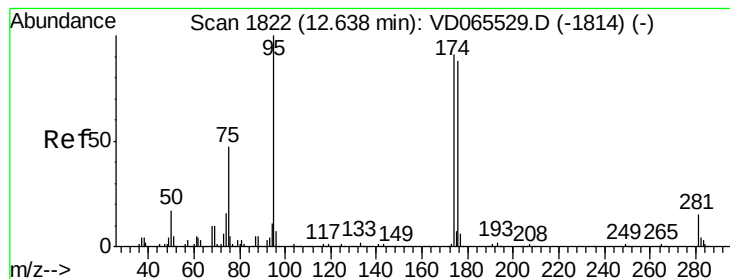
Tot Ion: 98 Resp: 1161024
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.773 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065569.D
Acq: 31 Mar 2020 16:44

Tgt Ion: 43 Resp: 4644
Ion Ratio Lower Upper
43 100
58 186.9 31.4 47.2#





#62

4-Bromofluorobenzene

Concen: 61.771 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065569.D

Acq: 31 Mar 2020 16:44

Instrument :

MSVOA_D

ClientSampleId :

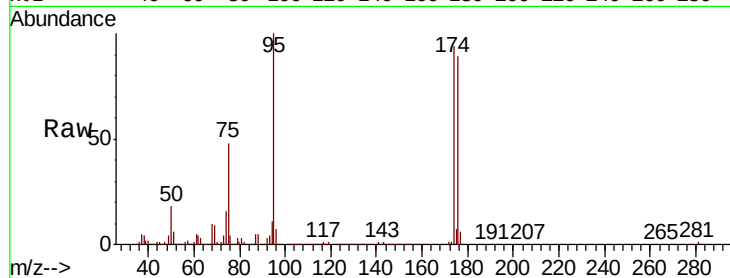
Tot Ion: 95 Resp: 371192

Ion Ratio Lower Upper

95 100

174 93.5 0.0 183.8

176 89.2 0.0 178.2



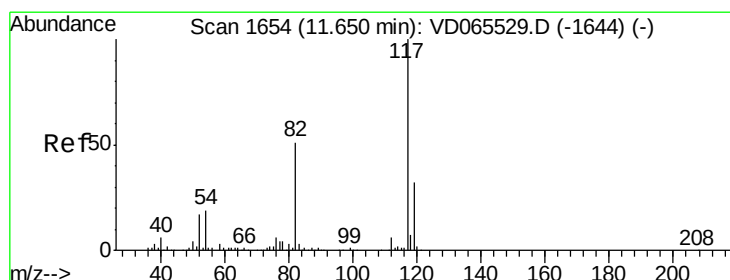
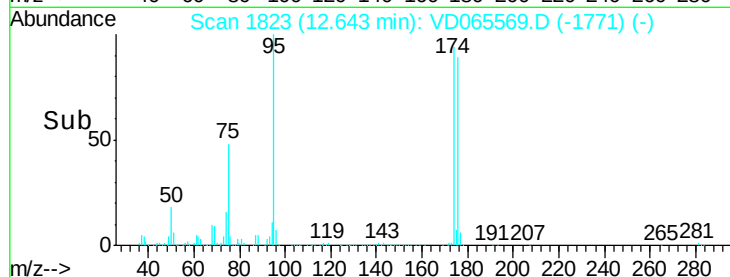
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065569.D

Acq: 31 Mar 2020 16:44

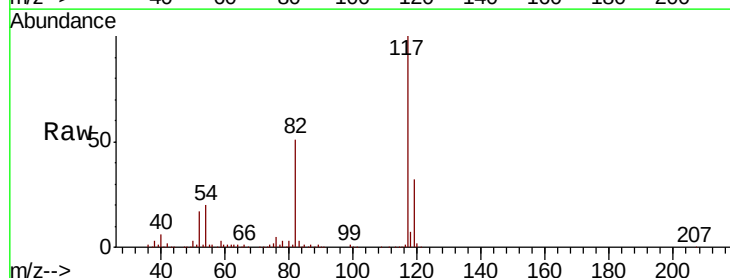
Tgt Ion: 117 Resp: 936200

Ion Ratio Lower Upper

117 100

82 51.3 41.0 61.6

119 32.0 25.5 38.3



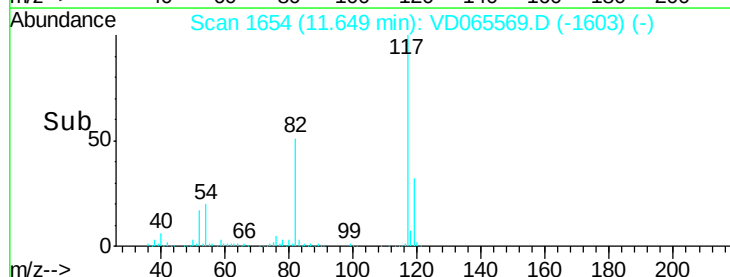
Abundance Ion 116.90 (116.60 to 117.60): V

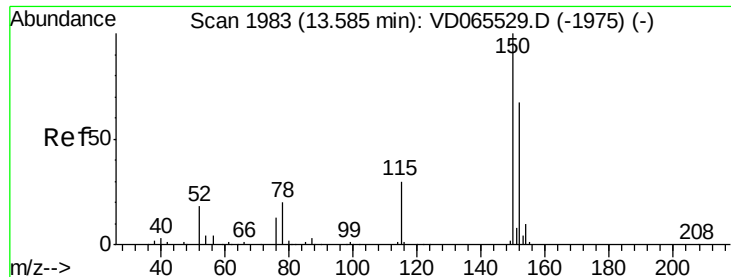
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.65

Time-->



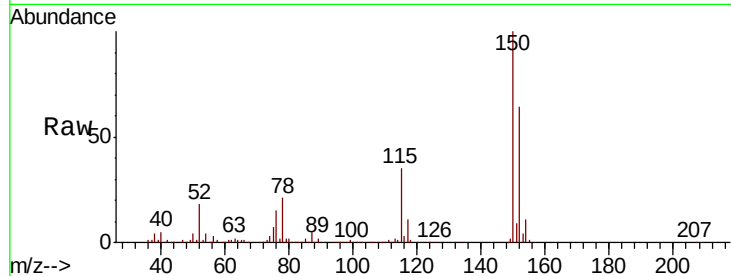


#72

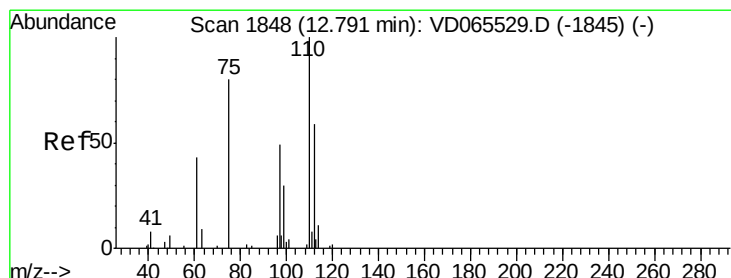
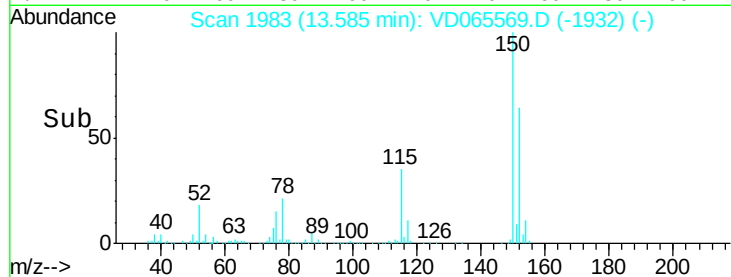
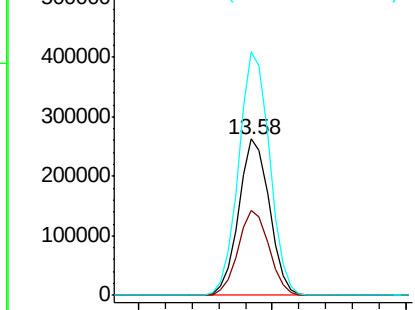
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065569.D
Acq: 31 Mar 2020 16:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 418188
Ion Ratio Lower Upper
152 100
115 54.4 27.2 81.6
150 156.7 0.0 340.2



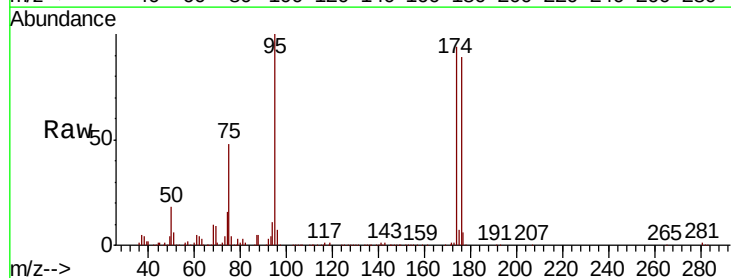
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



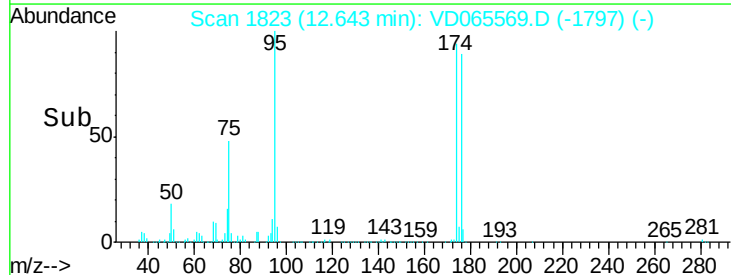
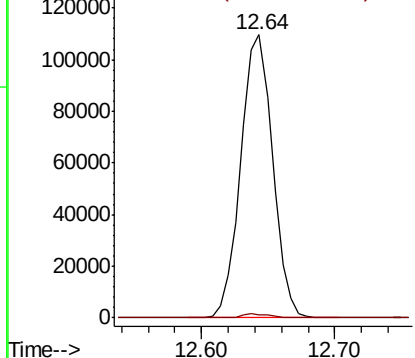
#76

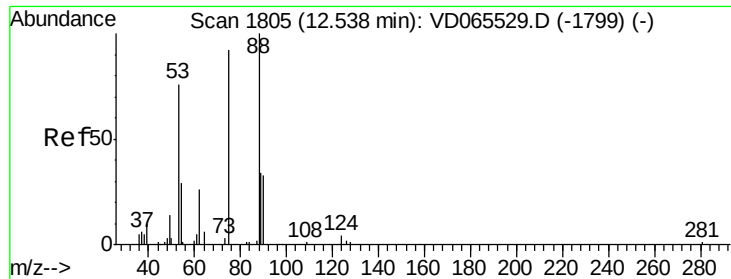
1,2,3-Trichloropropane
Concen: 56.215 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. -0.15 min
Lab File: VD065569.D
Acq: 31 Mar 2020 16:44

Tgt Ion: 75 Resp: 180735
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

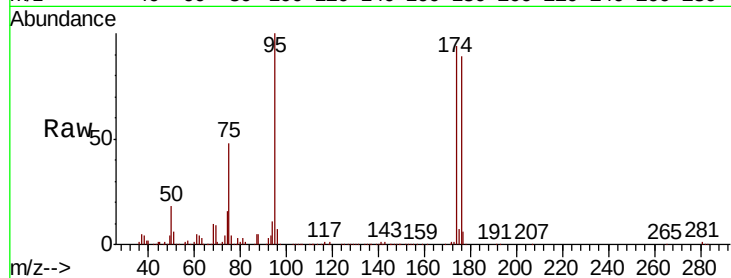




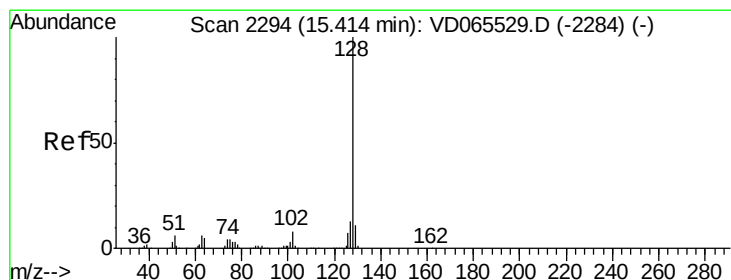
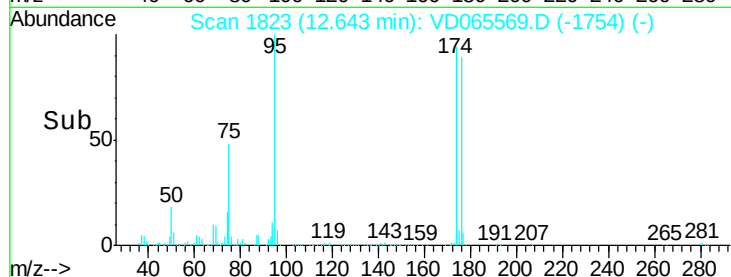
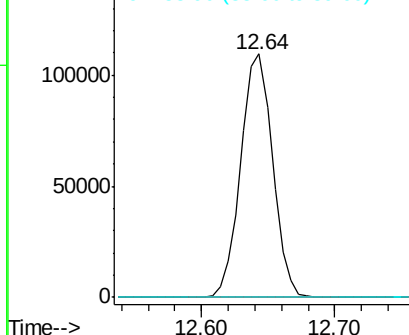
#81
trans-1,4-Dichloro-2-butene
Concen: 125.483 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.11 min
Lab File: VD065569.D
Acq: 31 Mar 2020 16:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 180735
Ion Ratio Lower Upper
75 100
53 0.1 72.4 108.6#
89 0.0 36.9 55.3#

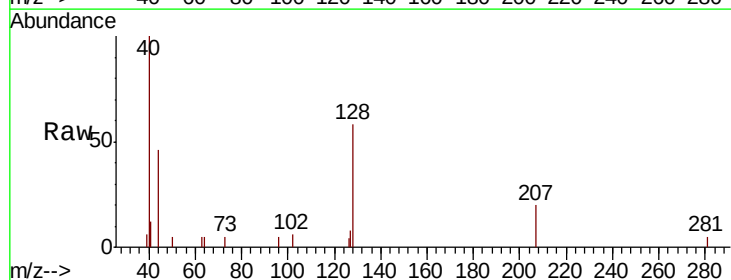


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#95
Naphthalene
Concen: 4.603 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065569.D
Acq: 31 Mar 2020 16:44

Tgt Ion:128 Resp: 3958
Ion Ratio Lower Upper
128 100
127 9.9 10.4 15.6#
129 9.0 8.7 13.1



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

