

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033120\
 Data File : VD065571.D
 Acq On : 31 Mar 2020 17:41
 Operator : VA/SY
 Sample : L2067-01RE
 Misc : 9.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 05:55:59 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

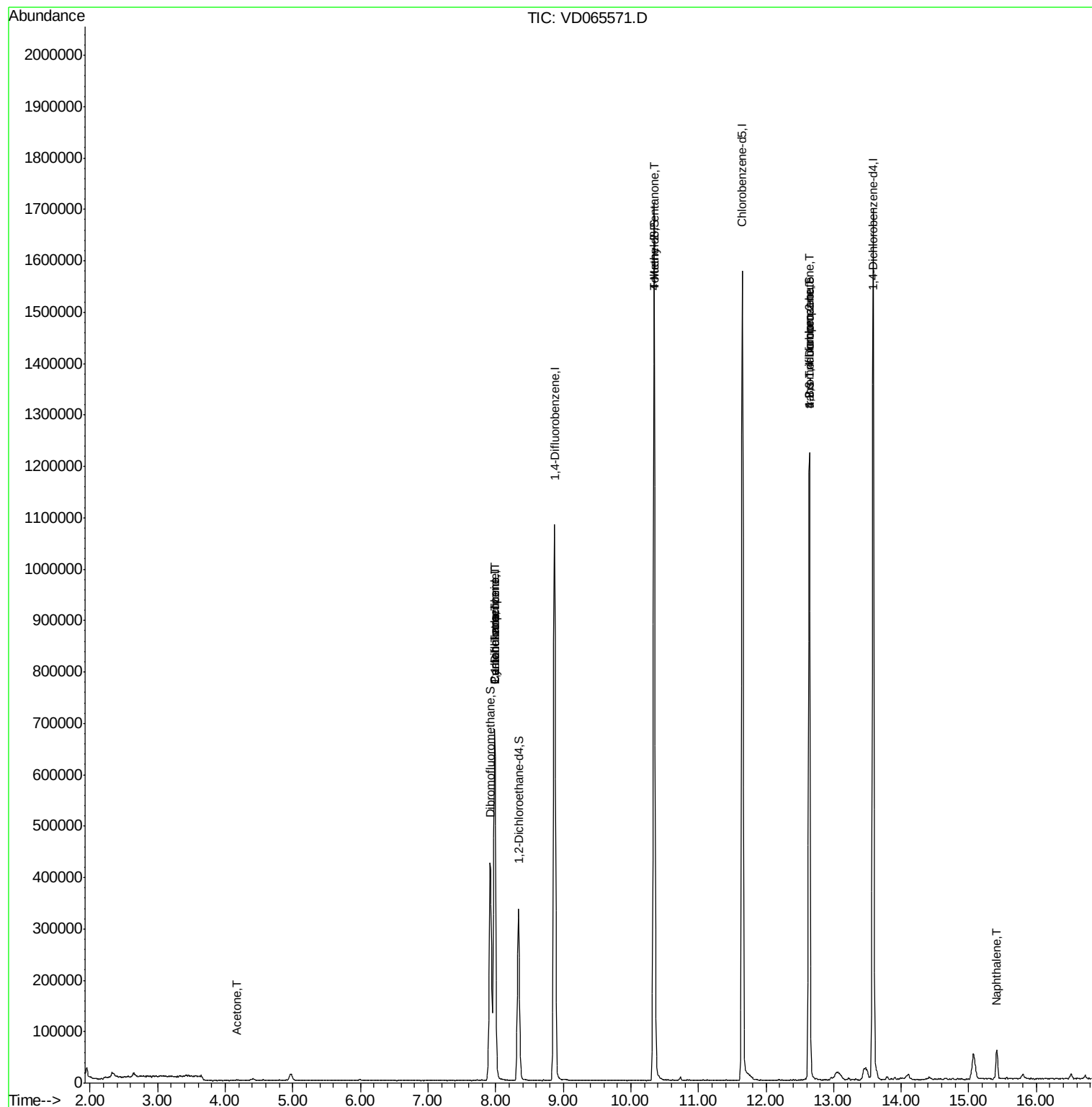
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	536858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	969068	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	948317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	473273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	265710	59.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.92%	
35) Dibromofluoromethane	7.92	113	307361	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.78%	
50) Toluene-d8	10.34	98	1166451	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	12.64	95	388683	54.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	56	Below Cal	#	42
3) Chloromethane	2.21	50	685	Below Cal	#	42
5) Bromomethane	2.78	94	489	Below Cal	#	4
16) Acetone	4.16	43	2556	3.031	ug/l	93
20) Methylene Chloride	4.98	84	9785	Below Cal		97
31) Cyclohexane	7.99	56	9674	1.152	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	37309	4.214	ug/l #	47
38) Carbon Tetrachloride	7.99	117	48506	5.201	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	5438	1.751	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	190076	52.239	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	190076	116.608	ug/l #	13
95) Naphthalene	15.41	128	55442	7.787	ug/l	100

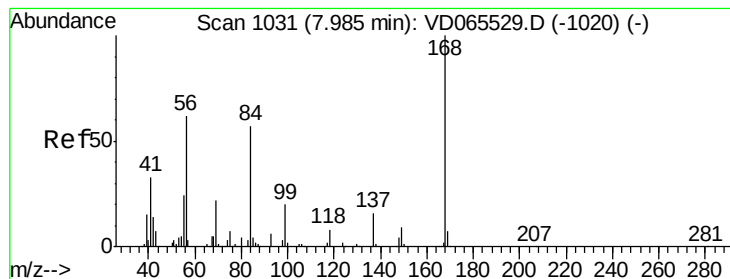
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD033120\
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Quant Time: Apr 01 05:55:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 01:47:48 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065571.D

Acq: 31 Mar 2020 17:41

Instrument :

MSVOA_D

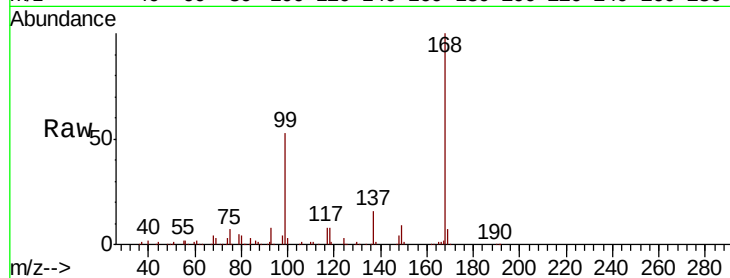
ClientSampleId :

Tot Ion:168 Resp: 536858

Ion Ratio Lower Upper

168 100

99 52.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

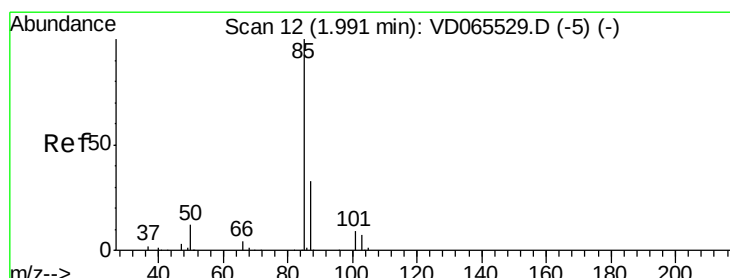
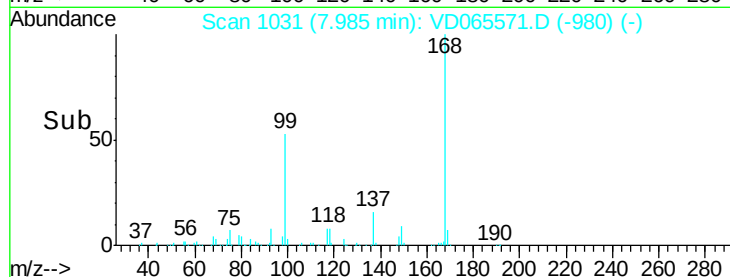
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD065571.D

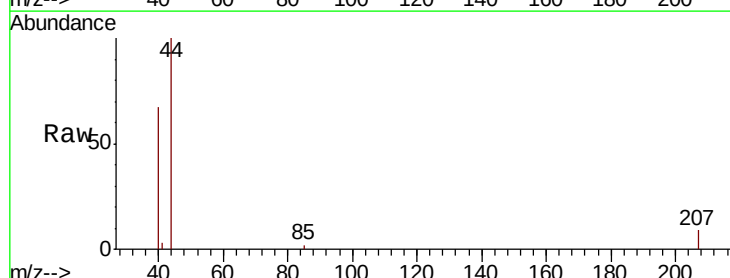
Acq: 31 Mar 2020 17:41

Tgt Ion: 85 Resp: 56

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

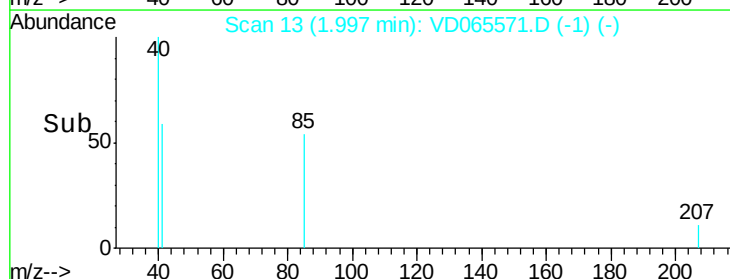
150

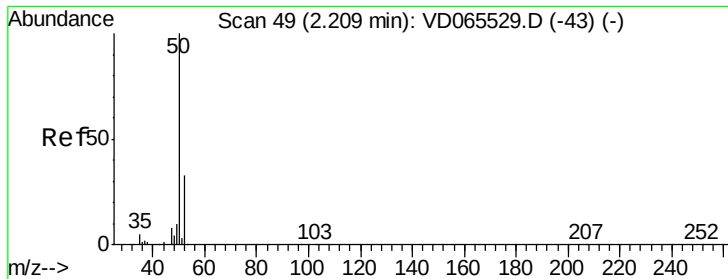
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD065571.D

Acq: 31 Mar 2020 17:41

Instrument :

MSVOA_D

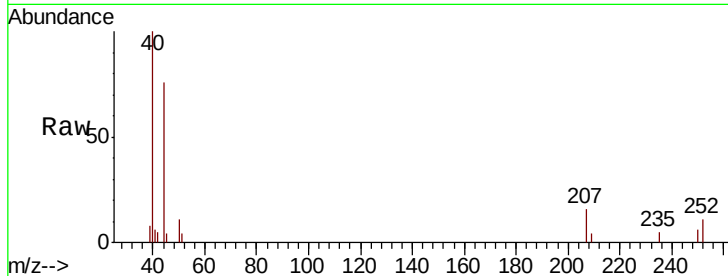
ClientSampled :

Tot Ion: 50 Resp: 685

Ion Ratio Lower Upper

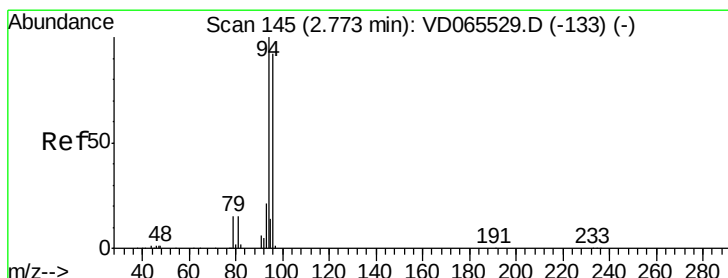
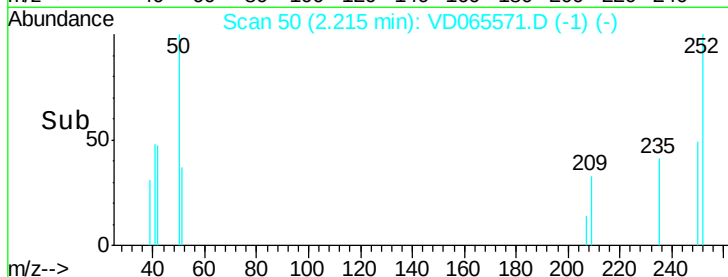
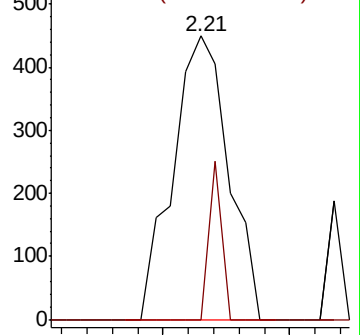
50 100

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



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065571.D

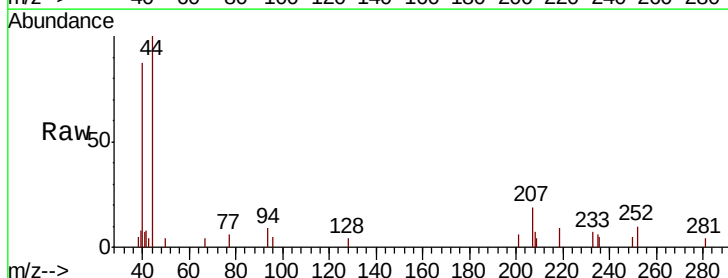
Acq: 31 Mar 2020 17:41

Tgt Ion: 94 Resp: 489

Ion Ratio Lower Upper

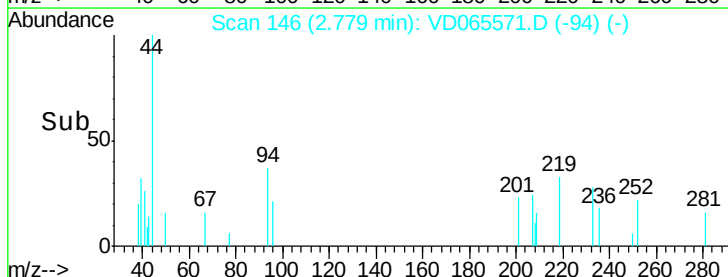
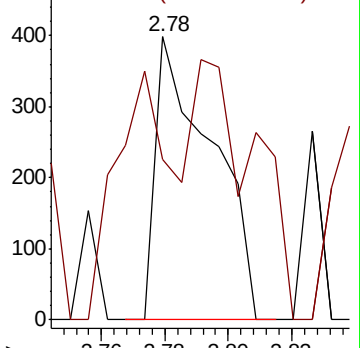
94 100

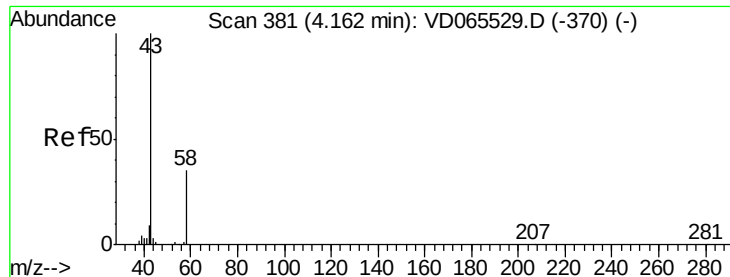
96 0.0 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

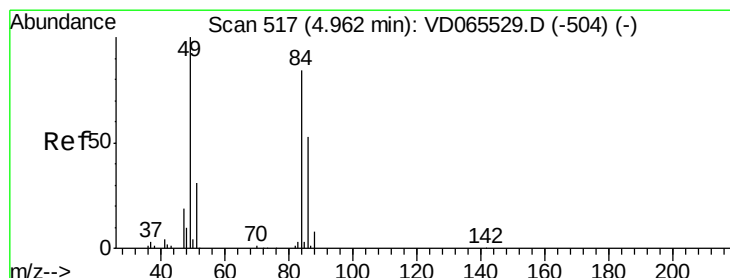
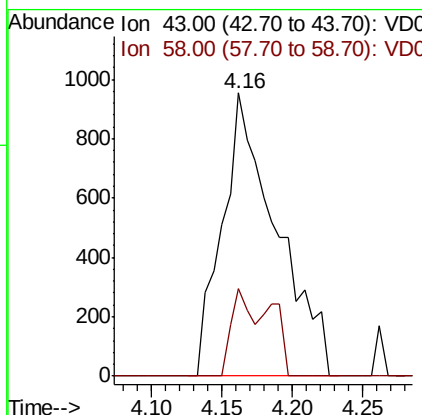
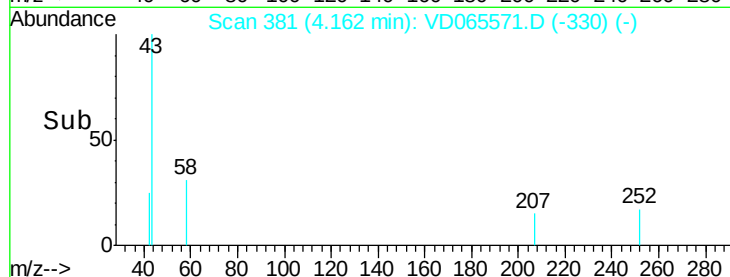
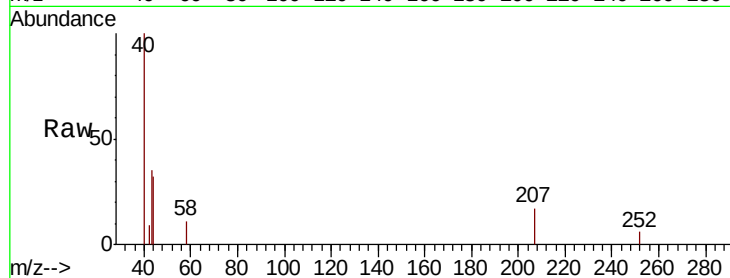




#16
Acetone
Concen: 3.031 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.00 min
Lab File: VD065571.D
Acq: 31 Mar 2020 17:41

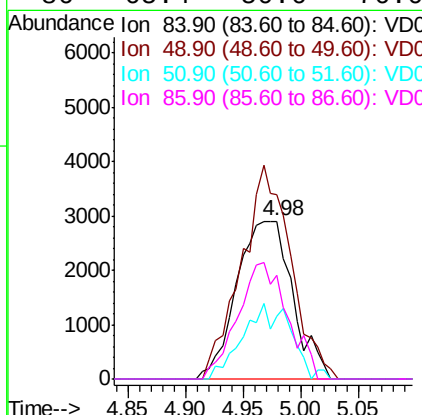
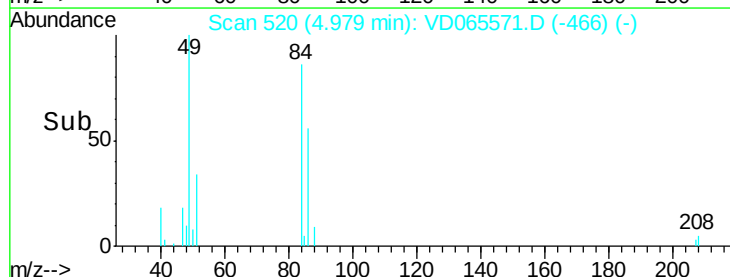
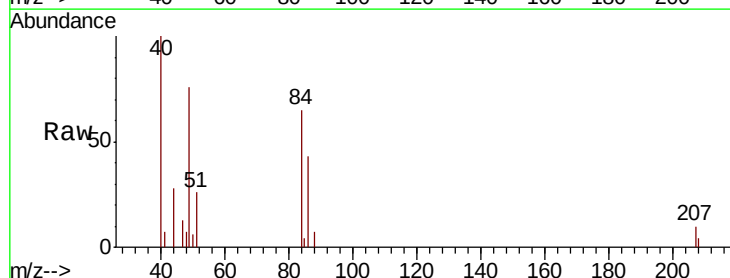
Instrument :
MSVOA_D
ClientSampleId :

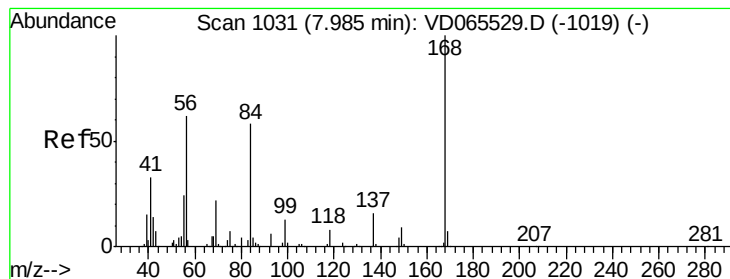
Tot Ion: 43 Resp: 2556
Ion Ratio Lower Upper
43 100
58 30.7 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD065571.D
Acq: 31 Mar 2020 17:41

Tgt Ion: 84 Resp: 9785
Ion Ratio Lower Upper
84 100
49 116.7 95.6 143.4
51 39.4 29.4 44.2
86 65.4 50.6 76.0





#31

Cyclohexane

Concen: 1.152 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065571.D

Acq: 31 Mar 2020 17:41

Instrument :
MSVOA_D
ClientSampled :

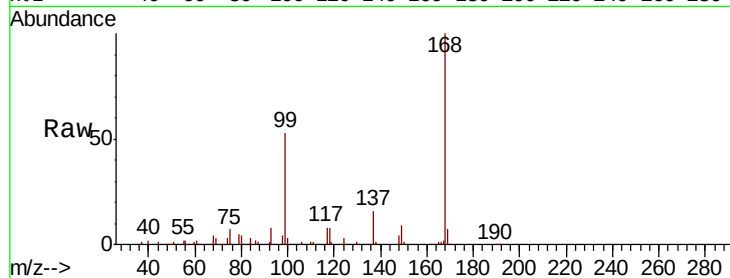
Tot Ion: 56 Resp: 9674

Ion Ratio Lower Upper

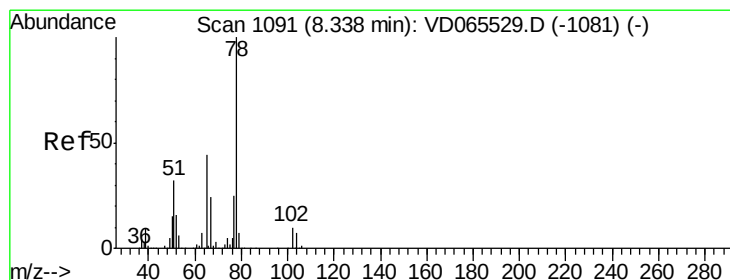
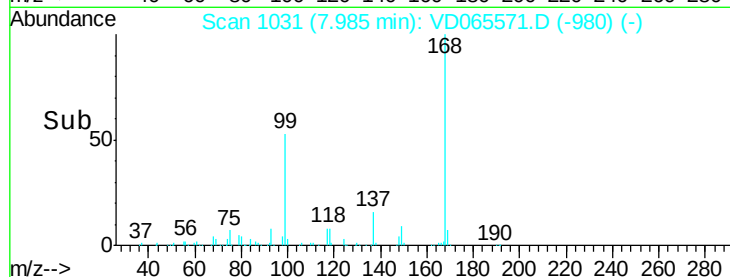
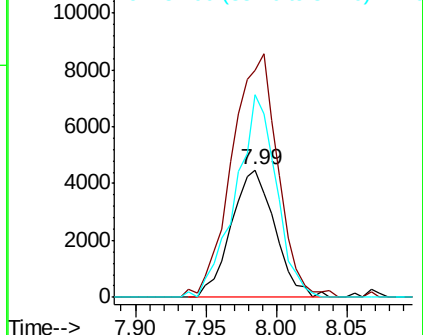
56 100

69 178.4 28.2 42.4#

84 158.6 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: 59.457 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065571.D

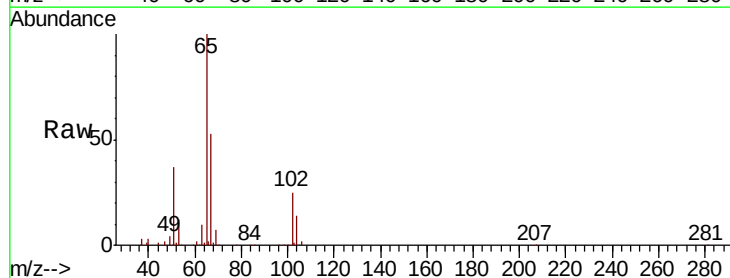
Acq: 31 Mar 2020 17:41

Tgt Ion: 65 Resp: 265710

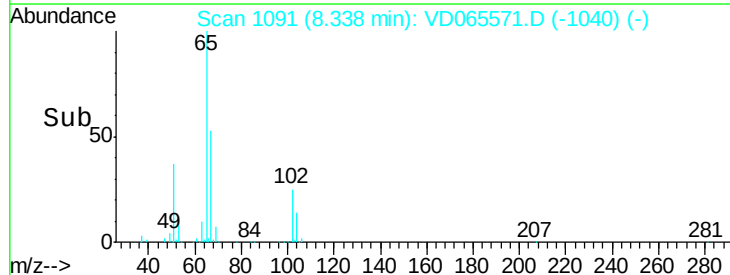
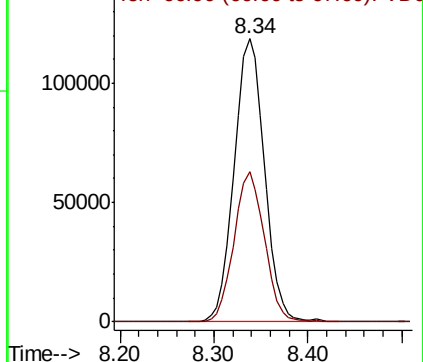
Ion Ratio Lower Upper

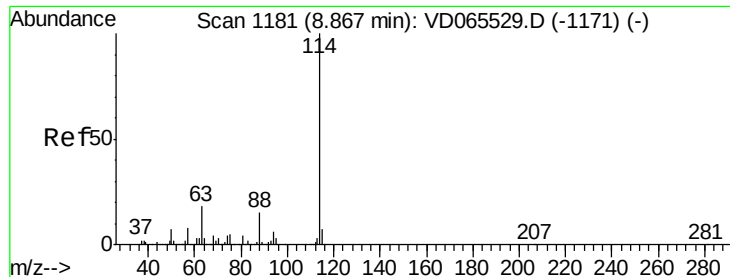
65 100

67 53.1 0.0 107.6



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

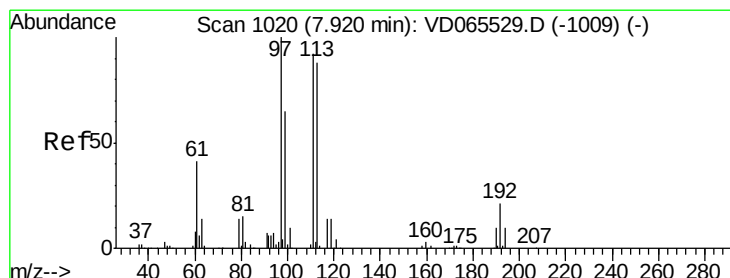
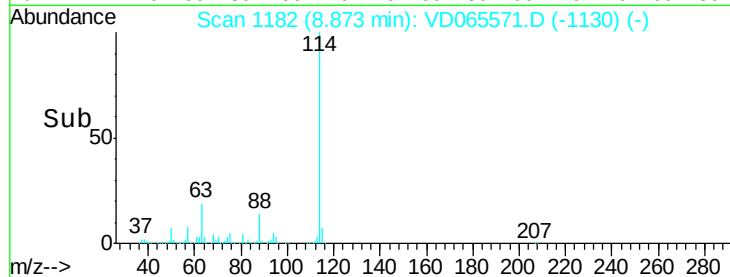
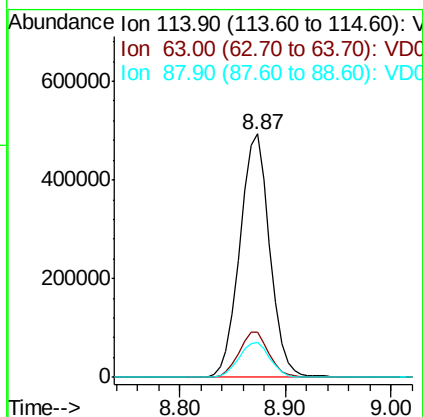
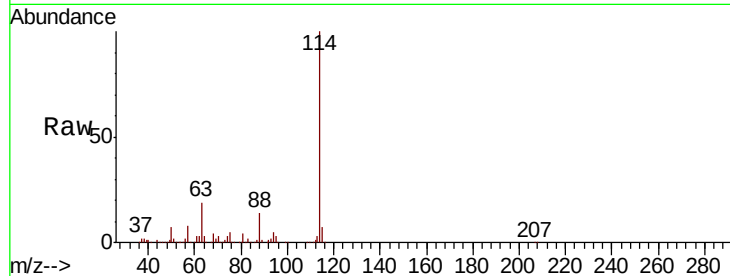




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065571.D
 Acq: 31 Mar 2020 17:41

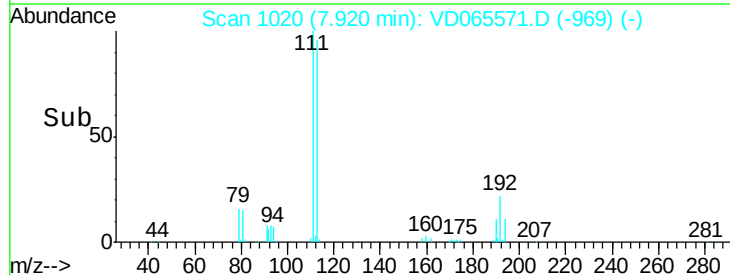
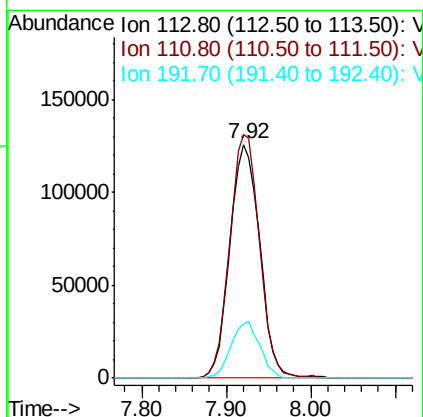
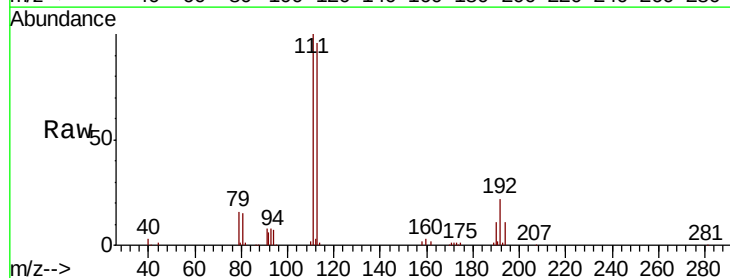
Instrument :
 MSVOA_D
 ClientSampleId :

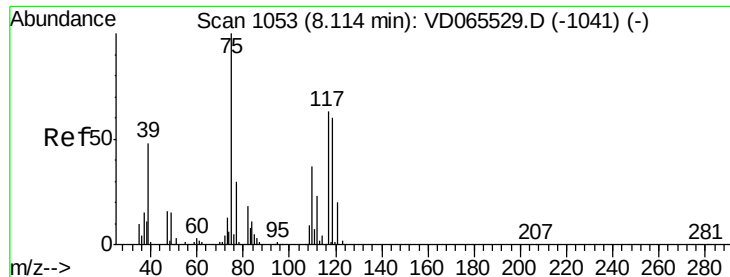
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	37.0
88	14.4	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 51.385 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065571.D
 Acq: 31 Mar 2020 17:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.3	124.9
192	23.0	18.5	27.7

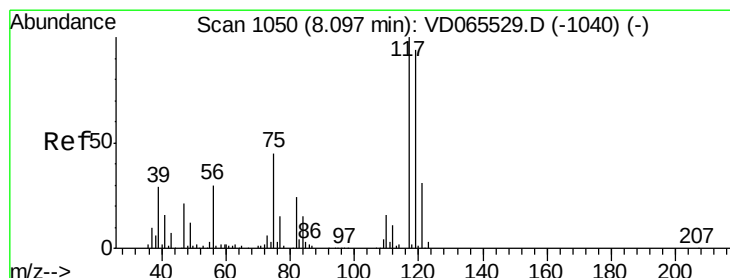
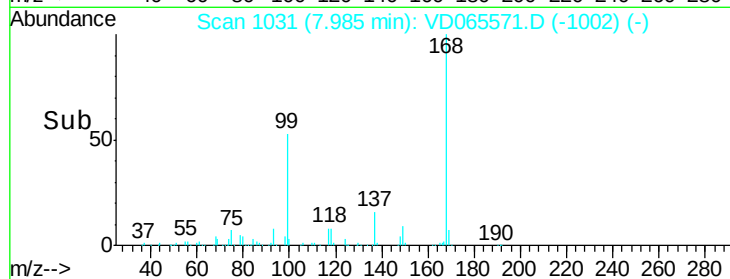
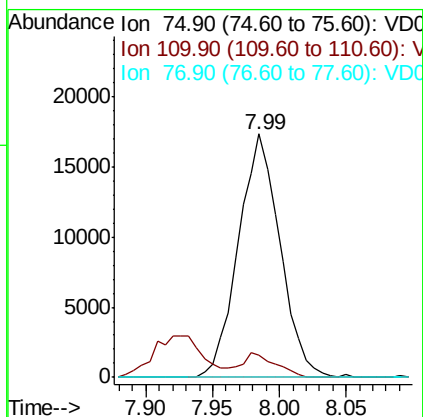
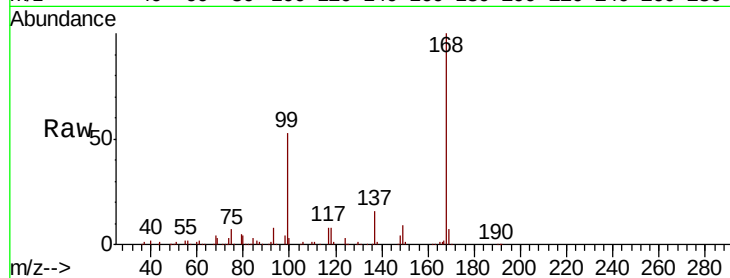




#36
 1,1-Dichloropropene
 Concen: 4.214 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065571.D
 Acq: 31 Mar 2020 17:41

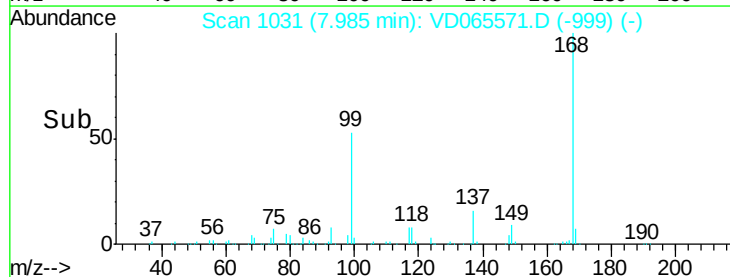
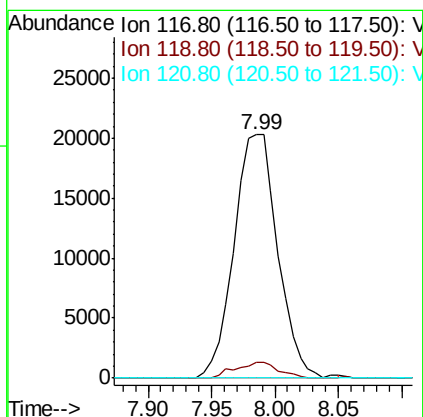
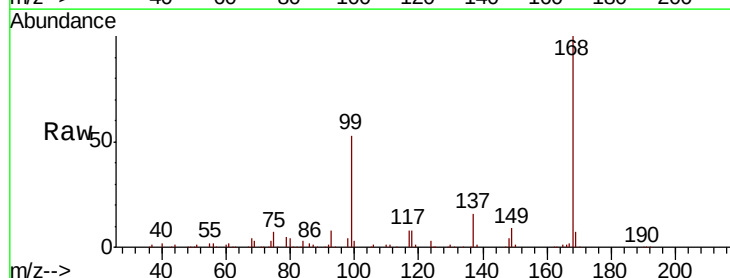
Instrument :
 MSVOA_D
 ClientSampleId :

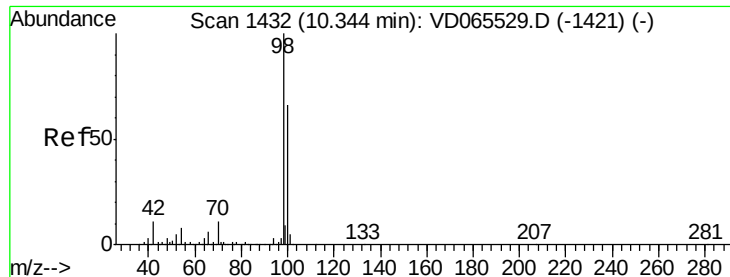
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.8	56.4#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.201 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065571.D
 Acq: 31 Mar 2020 17:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	75.2	112.8#
121	0.0	24.5	36.7#

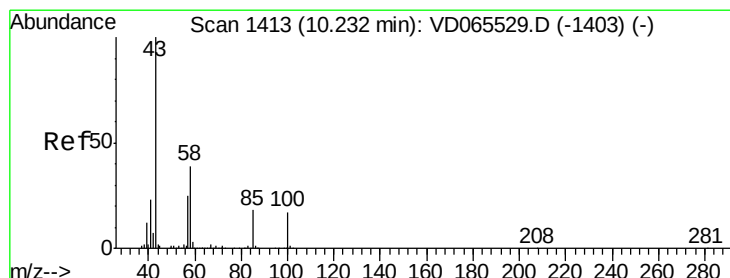
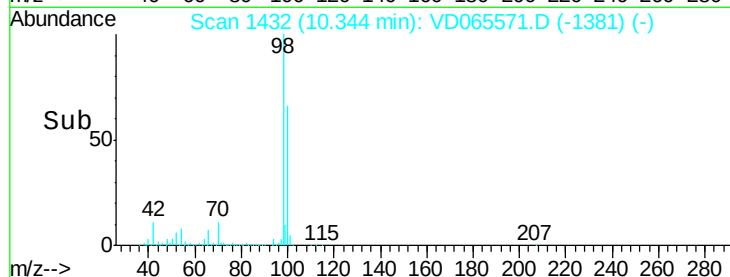
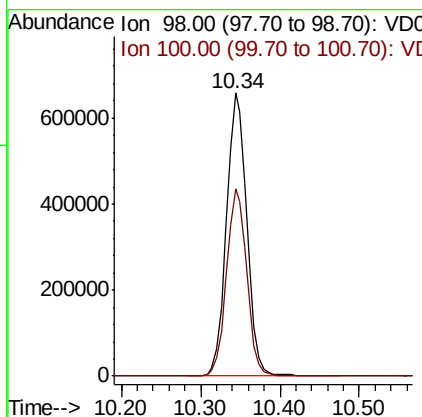
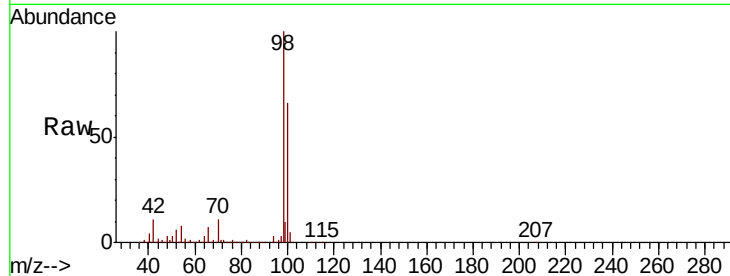




#50
Toluene-d8
Concen: 51.943 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065571.D
Acq: 31 Mar 2020 17:41

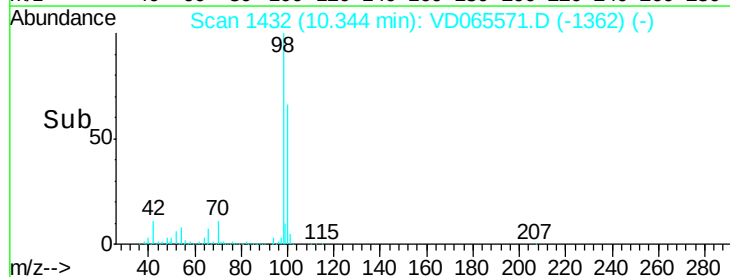
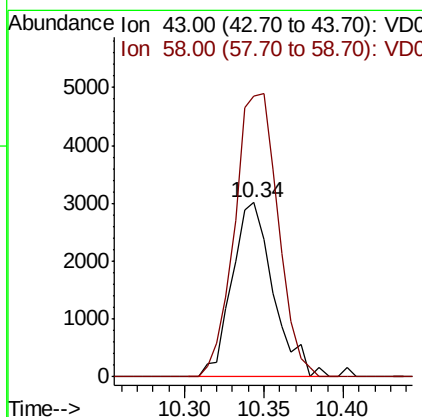
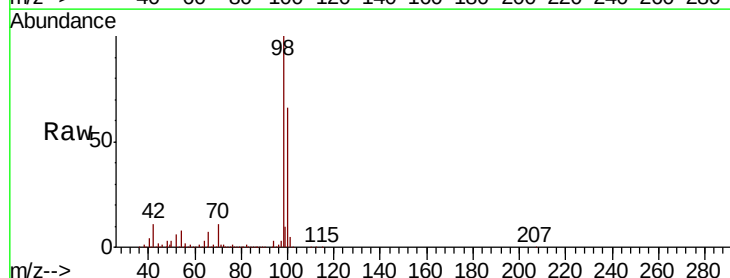
Instrument :
MSVOA_D
ClientSampleId :

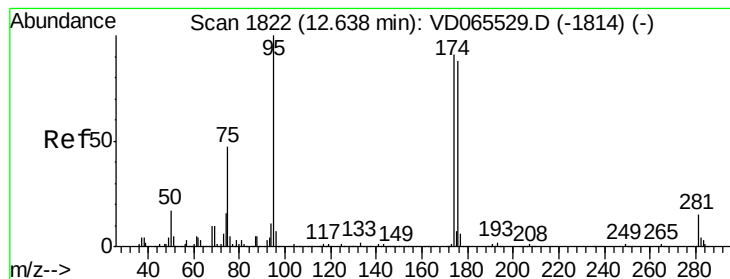
Tot Ion: 98 Resp: 1166451
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.751 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065571.D
Acq: 31 Mar 2020 17:41

Tgt Ion: 43 Resp: 5438
Ion Ratio Lower Upper
43 100
58 171.6 31.4 47.2#





#62

4-Bromofluorobenzene

Concen: 54.533 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065571.D

Acq: 31 Mar 2020 17:41

Instrument :

MSVOA_D

ClientSampleId :

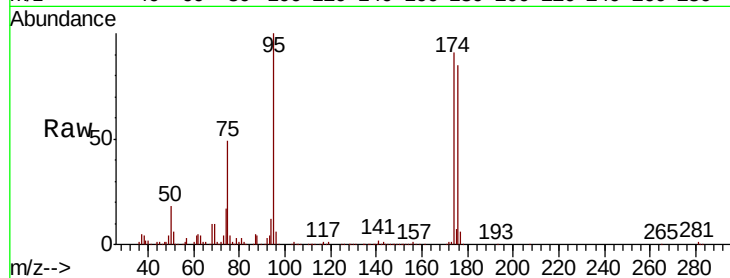
Tot Ion: 95 Resp: 388683

Ion Ratio Lower Upper

95 100

174 94.3 0.0 183.8

176 89.2 0.0 178.2



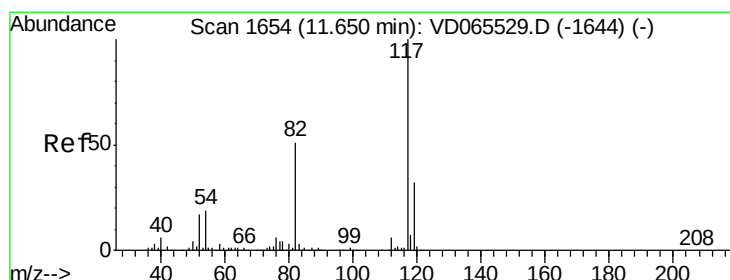
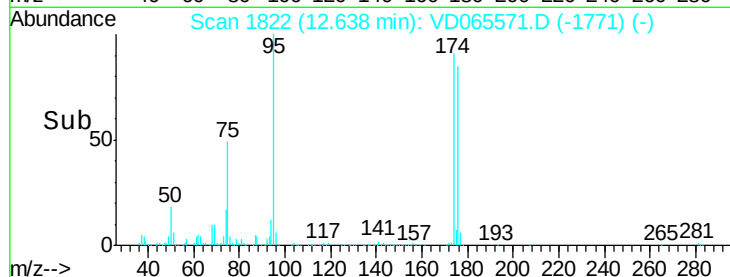
Abundance Ion 94.90 (94.60 to 95.60): V

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: VD065571.D

Acq: 31 Mar 2020 17:41

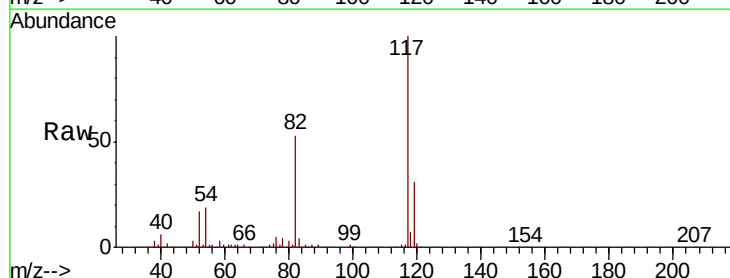
Tgt Ion: 117 Resp: 948317

Ion Ratio Lower Upper

117 100

82 53.5 41.0 61.6

119 31.4 25.5 38.3



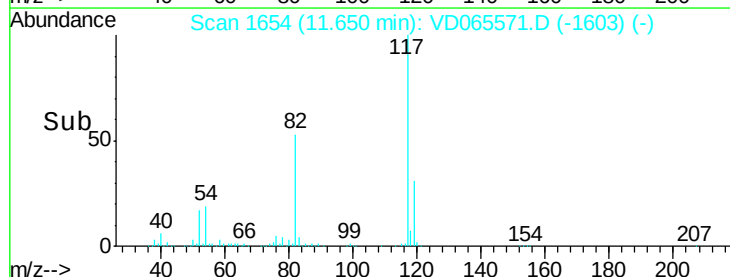
Abundance Ion 116.90 (116.60 to 117.60): V

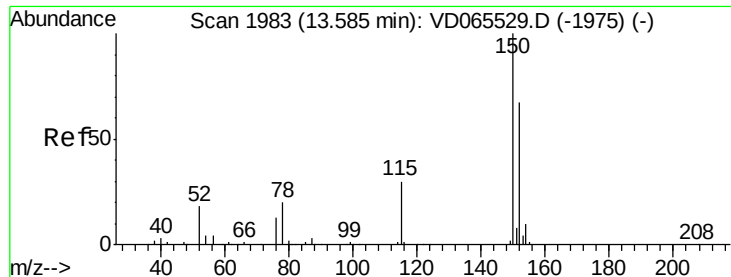
Ion 82.00 (81.70 to 82.70): V

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: VD065571.D

Acq: 31 Mar 2020 17:41

Instrument :

MSVOA_D

ClientSampleId :

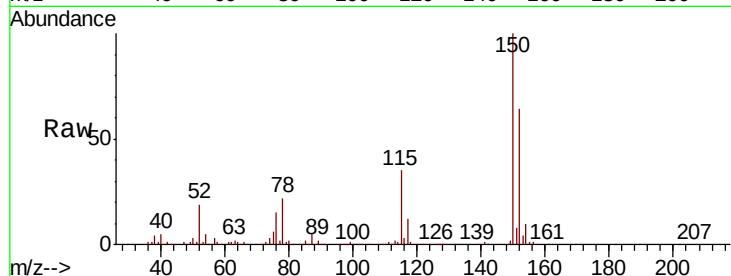
Tot Ion:152 Resp: 473273

Ion Ratio Lower Upper

152 100

115 54.8 27.2 81.6

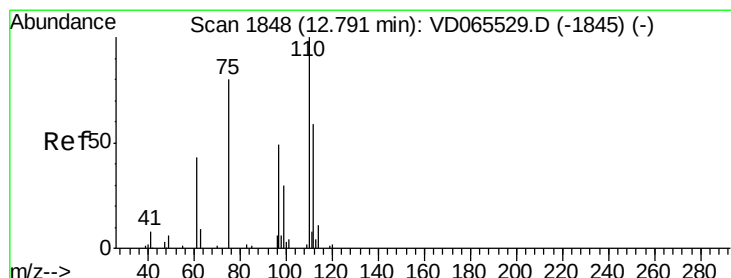
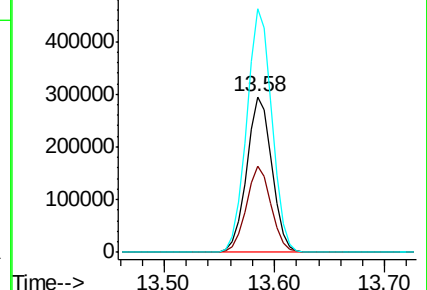
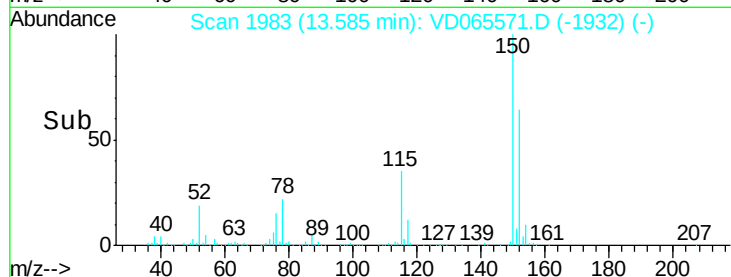
150 156.6 0.0 340.2



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: 52.239 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065571.D

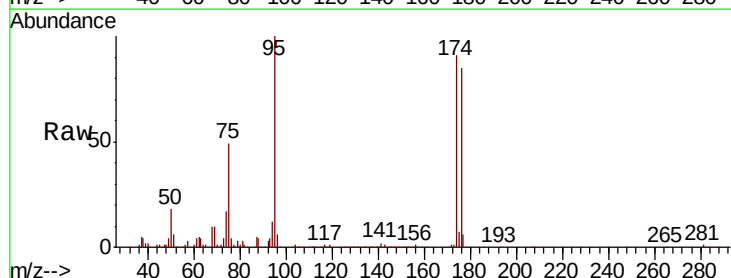
Acq: 31 Mar 2020 17:41

Tgt Ion: 75 Resp: 190076

Ion Ratio Lower Upper

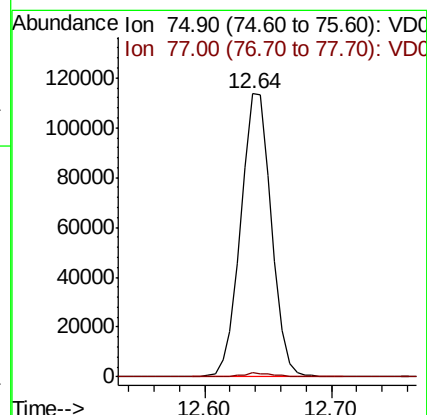
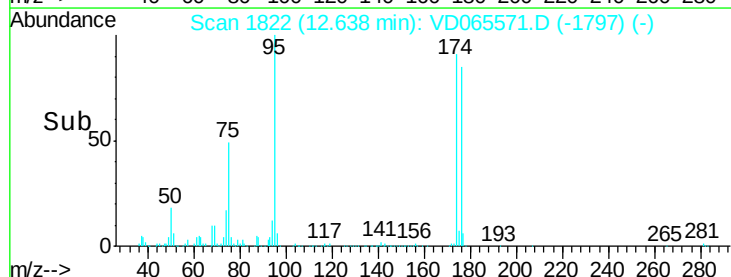
75 100

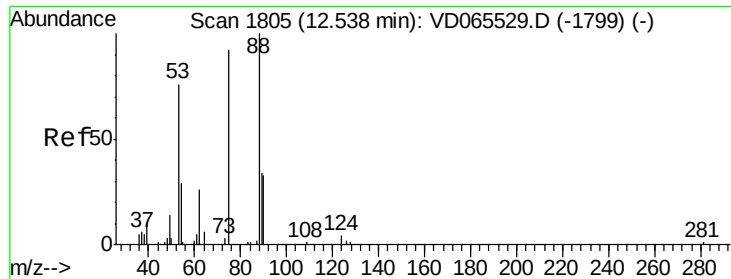
77 1.5 0.0 0.0#



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: 116.608 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065571.D

Acq: 31 Mar 2020 17:41

Instrument :

MSVOA_D

ClientSampleId :

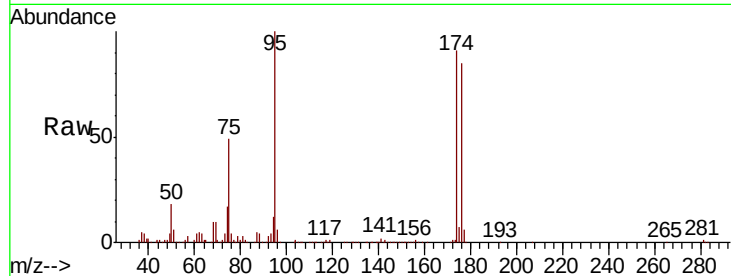
Tot Ion: 75 Resp: 190076

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

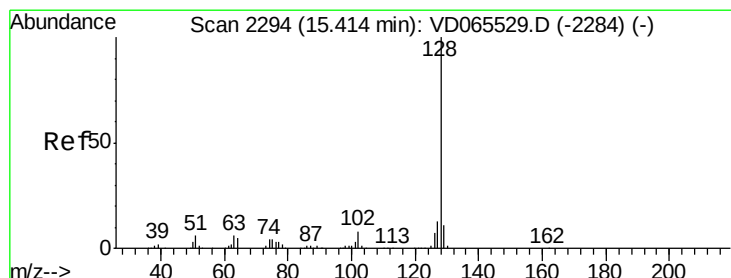
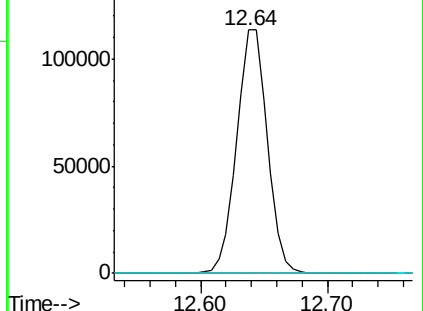
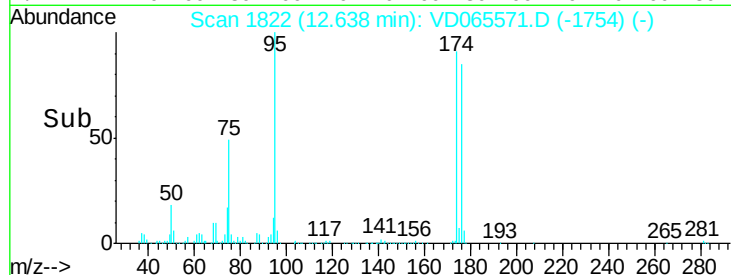
89 0.1 36.9 55.3#



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: 7.787 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065571.D

Acq: 31 Mar 2020 17:41

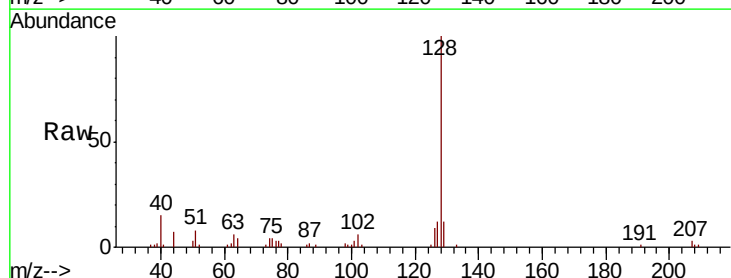
Tgt Ion: 128 Resp: 55442

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.8 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

