

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065431.D
 Acq On : 05 Mar 2020 15:12
 Operator : VA/SY
 Sample : L1792-05
 Misc : 7.31G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 06 03:49:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	483995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	826586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	703525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	268109	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	256798	61.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.70%	
35) Dibromofluoromethane	7.92	113	272012	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
50) Toluene-d8	10.34	98	969143	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.64	95	259359	42.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.68%	

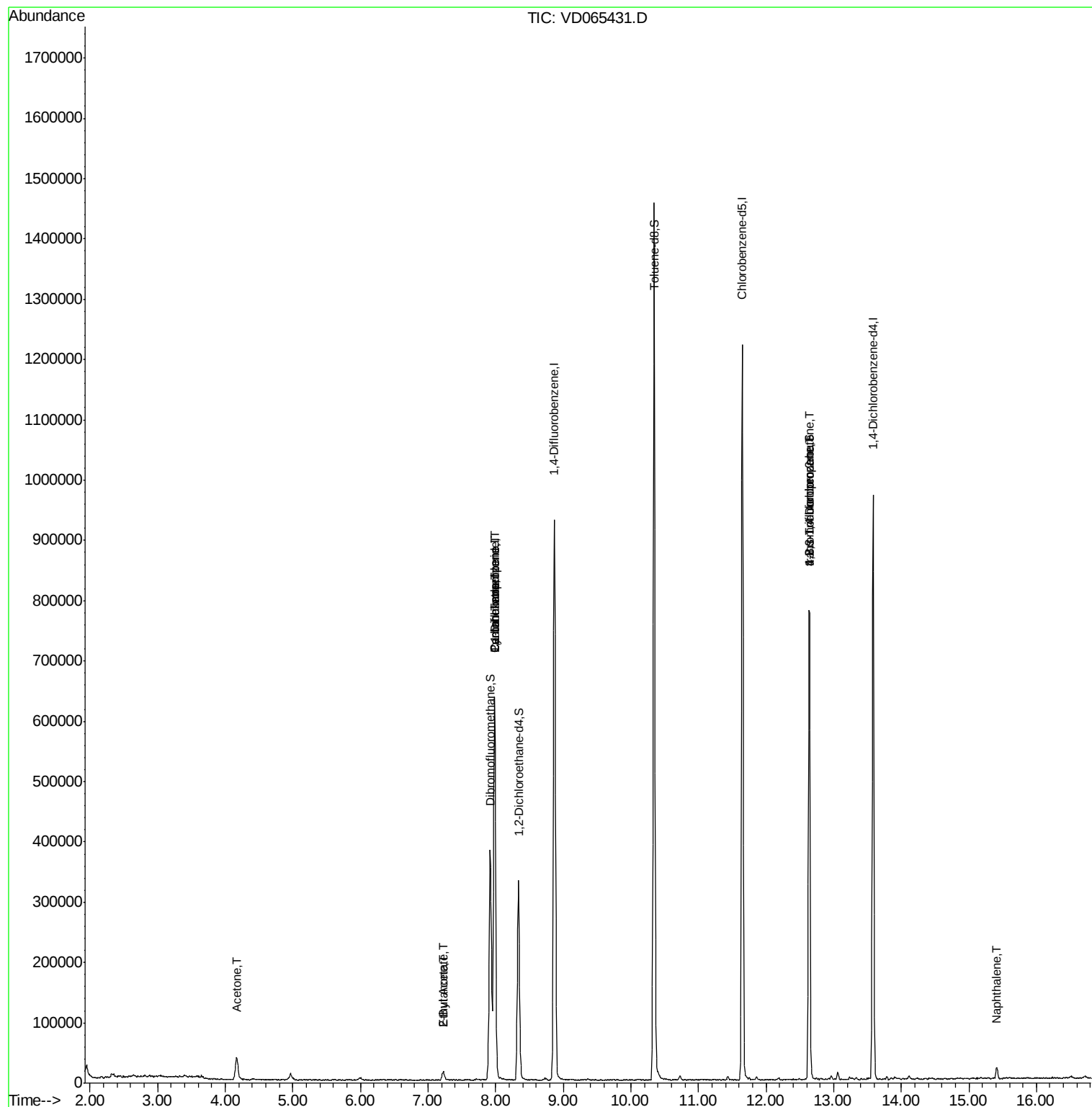
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	325	Below Cal	#	79
16) Acetone	4.17	43	66724	79.467	ug/l	97
20) Methylene Chloride	4.97	84	7193	Below Cal	#	84
25) 2-Butanone	7.23	43	21156	18.464	ug/l	99
31) Cyclohexane	7.98	56	9442	1.145	ug/l #	4
36) 1,1-Dichloropropene	7.98	75	33902	4.279	ug/l #	49
37) Ethyl Acetate	7.23	43	21156	6.908	ug/l #	68
38) Carbon Tetrachloride	7.98	117	45002	5.477	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	126378	59.736	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	126378	126.061	ug/l #	14
95) Naphthalene	15.41	128	15718	6.062	ug/l	97

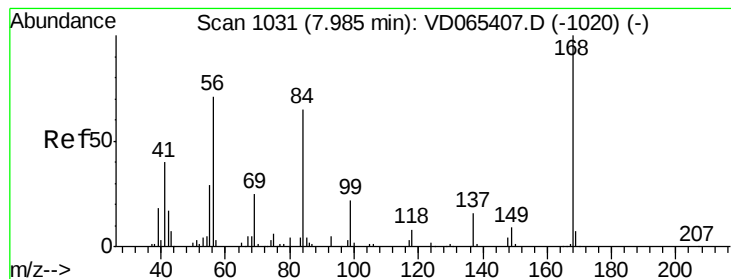
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030520\
Data File : VD065431.D
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Operator : VA/SY
Sample : L1792-05
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ALS Vial : 10 Sample Multiplier: 1

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Quant Time: Mar 06 03:49:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 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: VD065431.D

Acq: 05 Mar 2020 15:12

Instrument :

MSVOA_D

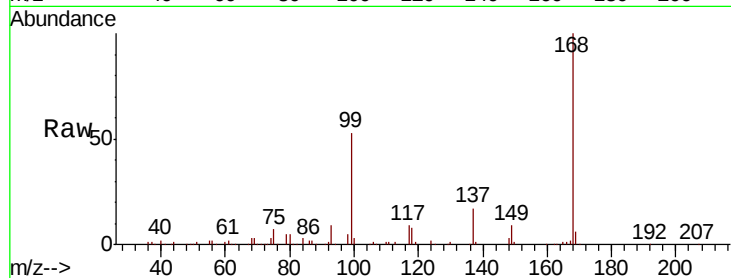
ClientSampleId :

Tot Ion:168 Resp: 483995

Ion Ratio Lower Upper

168 100

99 52.8 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

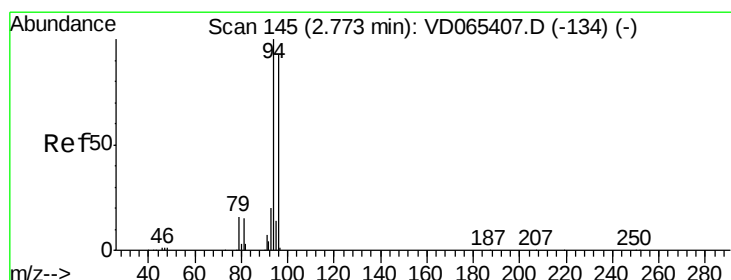
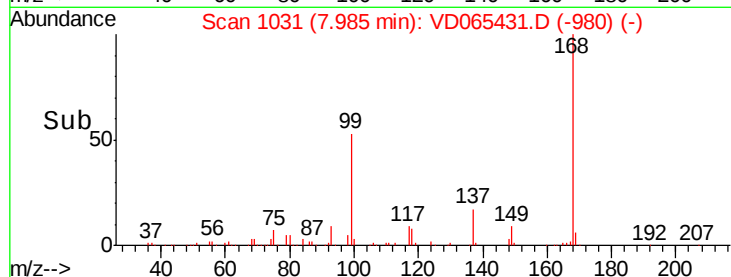
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065431.D

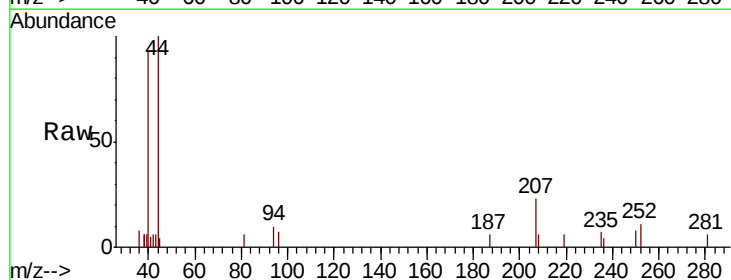
Acq: 05 Mar 2020 15:12

Tgt Ion: 94 Resp: 325

Ion Ratio Lower Upper

94 100

96 72.4 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

500

400

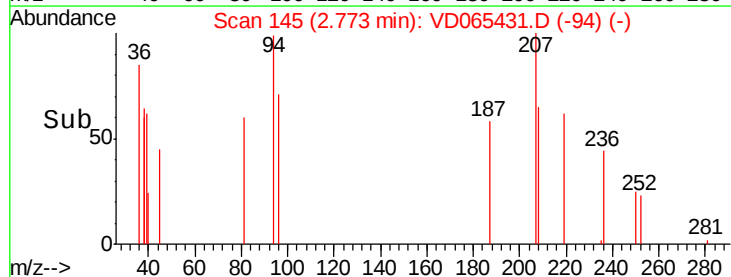
300

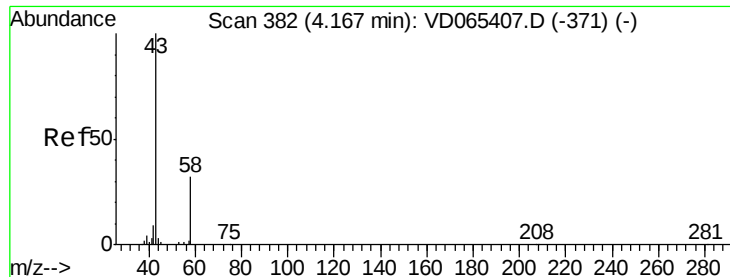
200

100

0

Time-->





#16

Acetone

Concen: 79.467 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065431.D

Acq: 05 Mar 2020 15:12

Instrument :

MSVOA_D

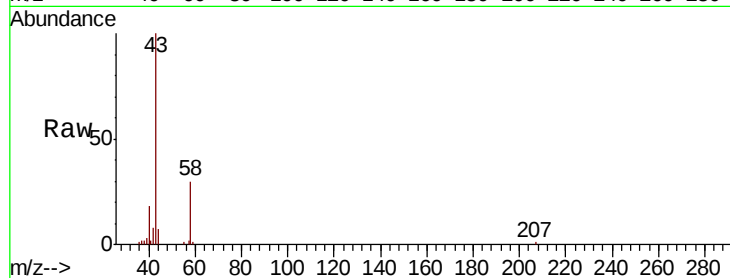
ClientSampleId :

Tot Ion: 43 Resp: 66724

Ion Ratio Lower Upper

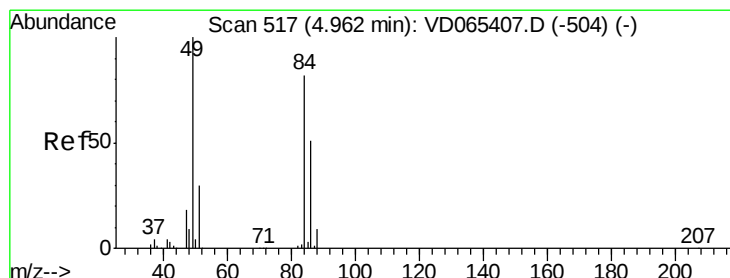
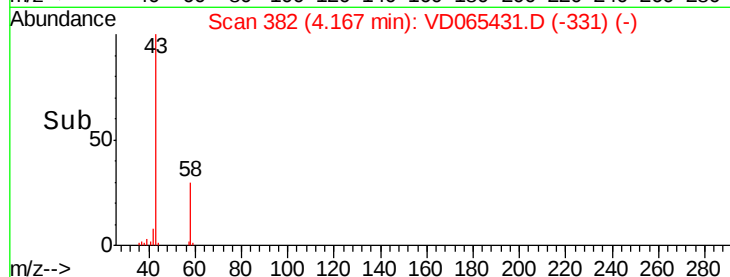
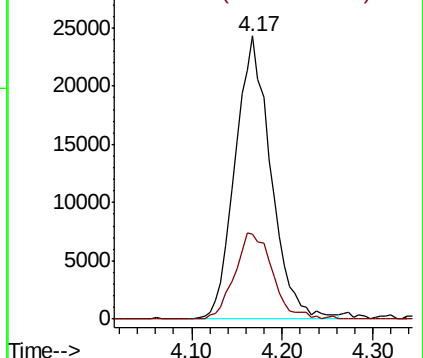
43 100

58 30.0 25.1 37.7



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: VD065431.D

Acq: 05 Mar 2020 15:12

Tgt Ion: 84 Resp: 7193

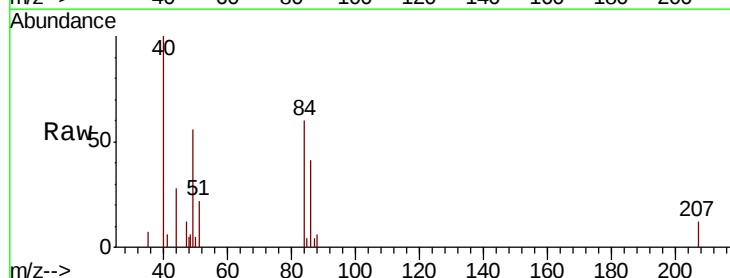
Ion Ratio Lower Upper

84 100

49 93.6 97.7 146.5#

51 35.9 28.8 43.2

86 68.1 49.5 74.3

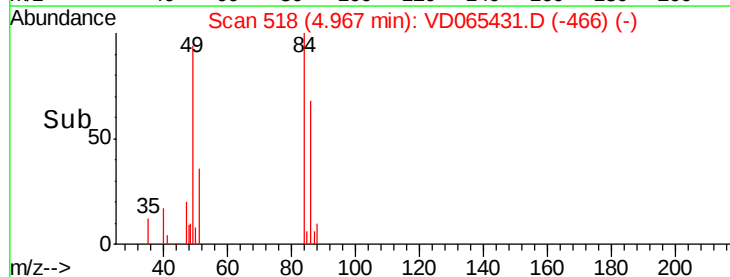
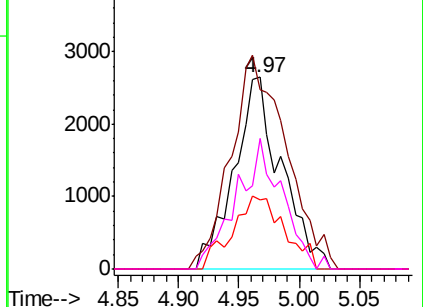


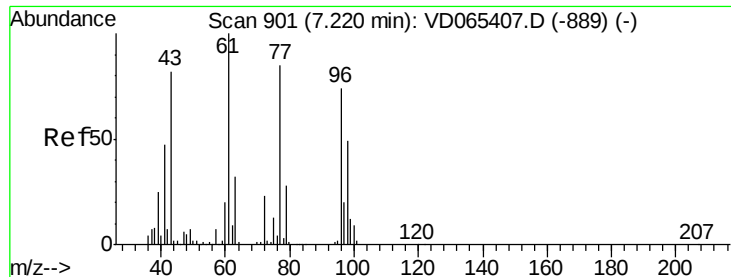
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 18.464 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065431.D

Acq: 05 Mar 2020 15:12

Instrument :

MSVOA_D

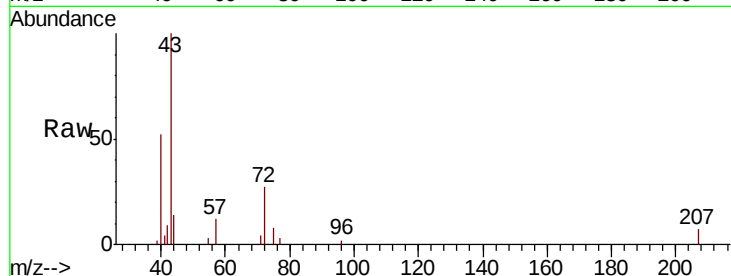
ClientSampleId :

Tot Ion: 43 Resp: 21156

Ion Ratio Lower Upper

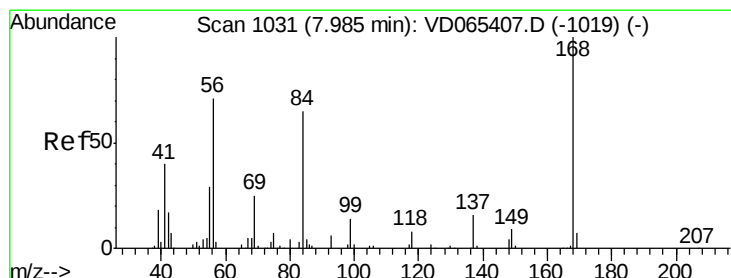
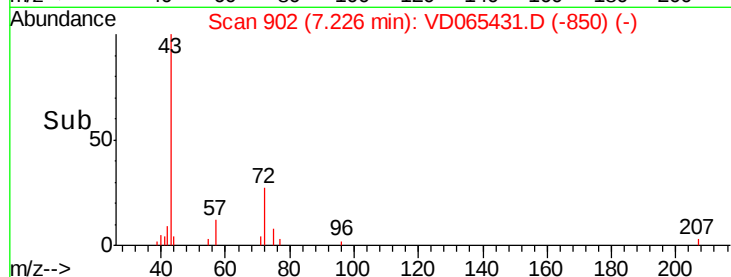
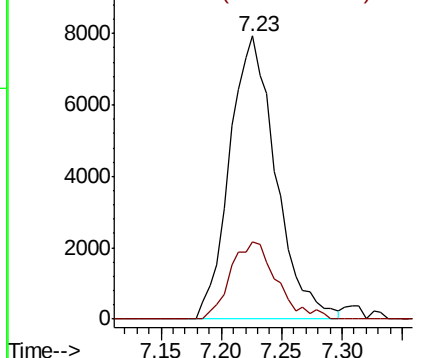
43 100

72 27.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.145 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065431.D

Acq: 05 Mar 2020 15:12

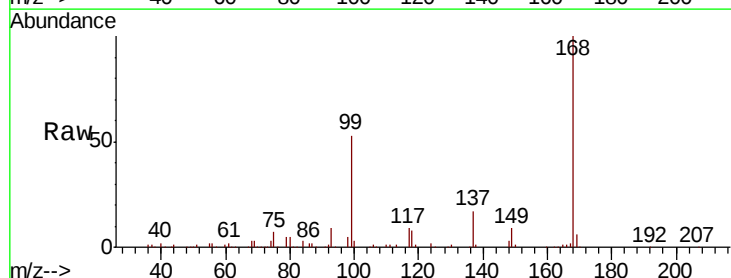
Tgt Ion: 56 Resp: 9442

Ion Ratio Lower Upper

56 100

69 152.2 28.3 42.5#

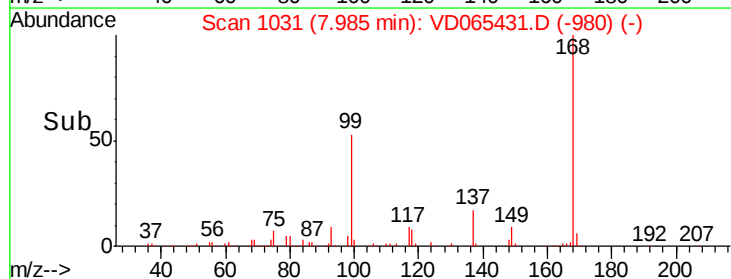
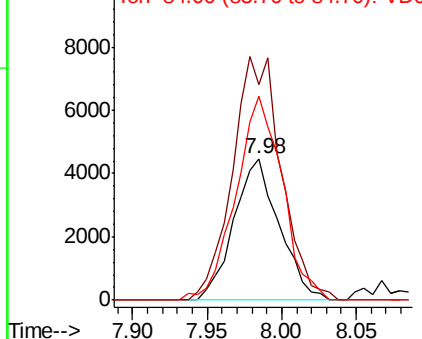
84 143.8 73.1 109.7#

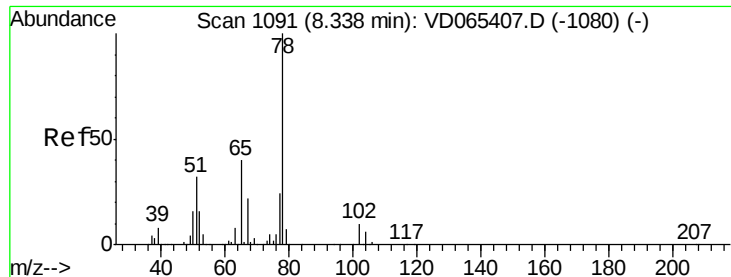


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 61.854 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065431.D

Acq: 05 Mar 2020 15:12

Instrument :

MSVOA_D

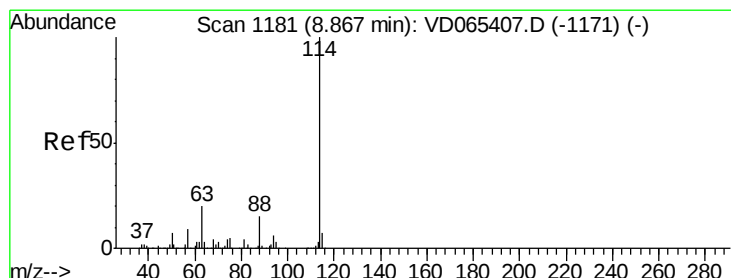
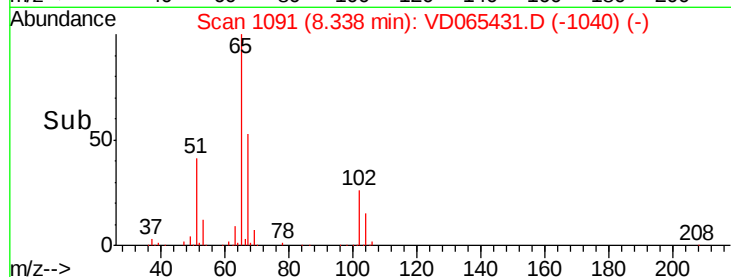
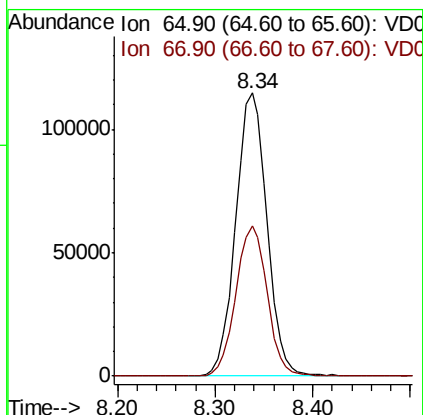
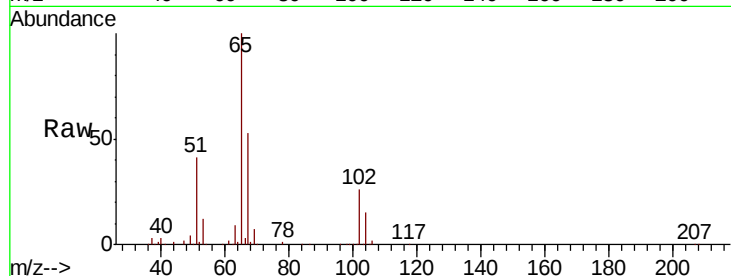
ClientSampleId :

Tot Ion: 65 Resp: 256798

Ion Ratio Lower Upper

65 100

67 53.0 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065431.D

Acq: 05 Mar 2020 15:12

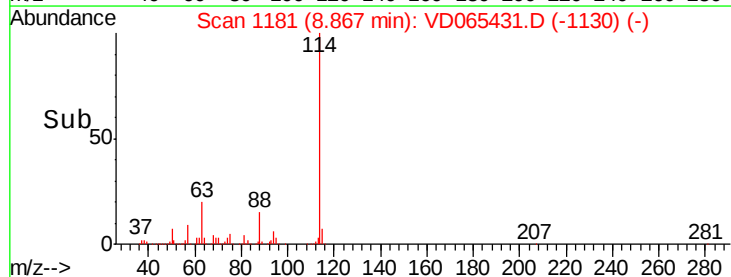
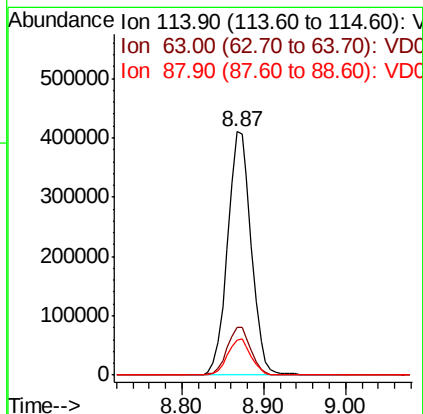
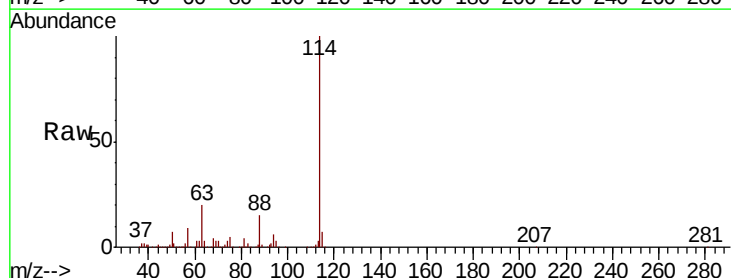
Tgt Ion: 114 Resp: 826586

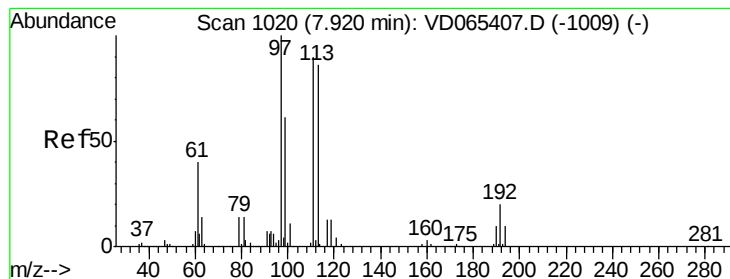
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 14.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.214 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065431.D

Acq: 05 Mar 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :

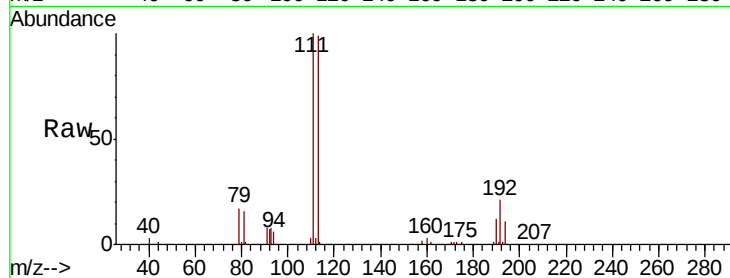
Tot Ion:113 Resp: 272012

Ion Ratio Lower Upper

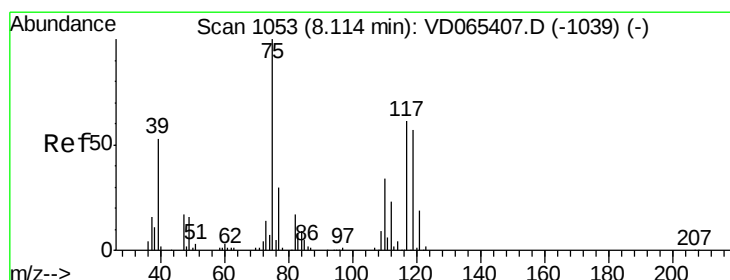
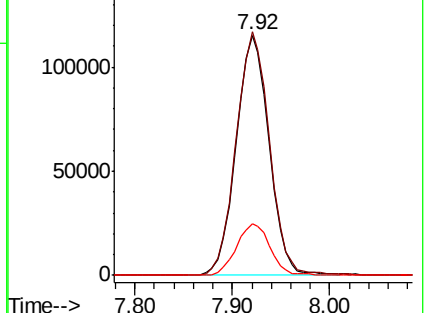
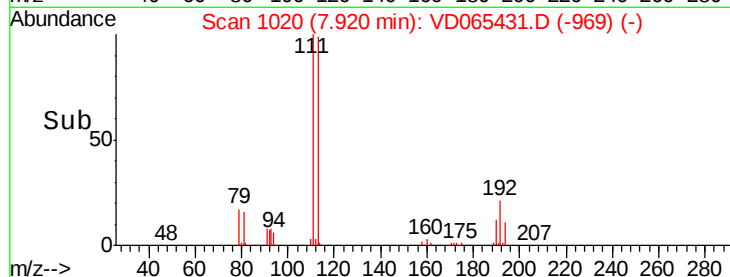
113 100

111 102.6 82.1 123.1

192 22.0 17.2 25.8



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: 4.279 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065431.D

Acq: 05 Mar 2020 15:12

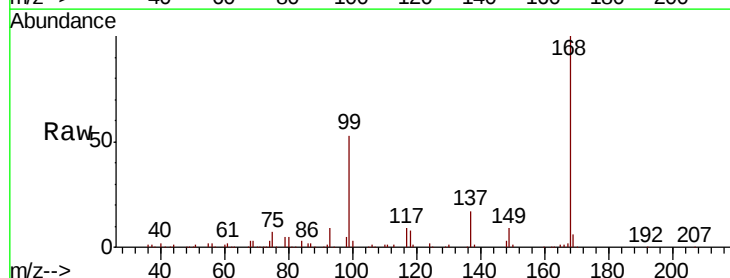
Tgt Ion: 75 Resp: 33902

Ion Ratio Lower Upper

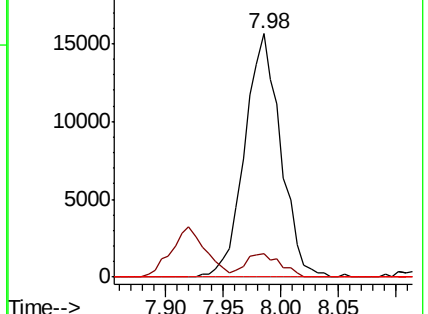
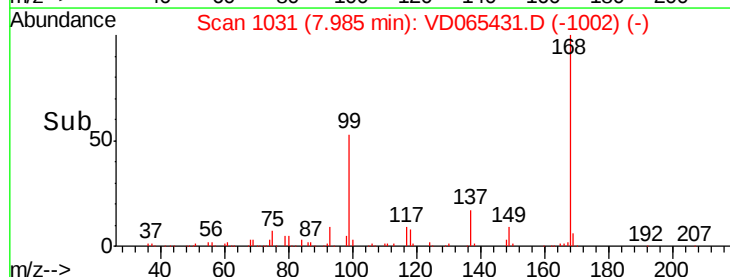
75 100

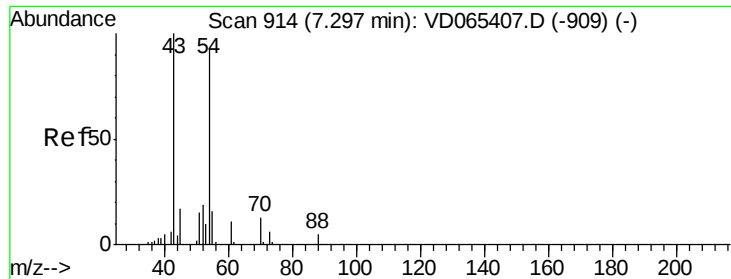
110 9.5 18.1 54.1#

77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC

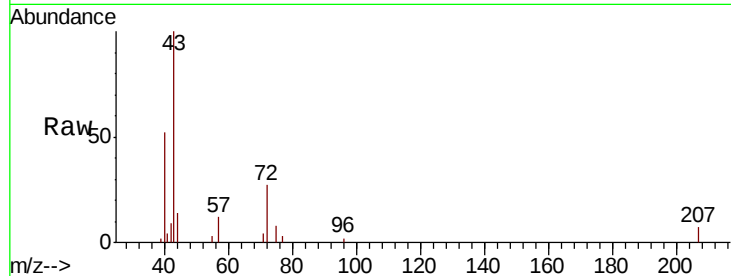




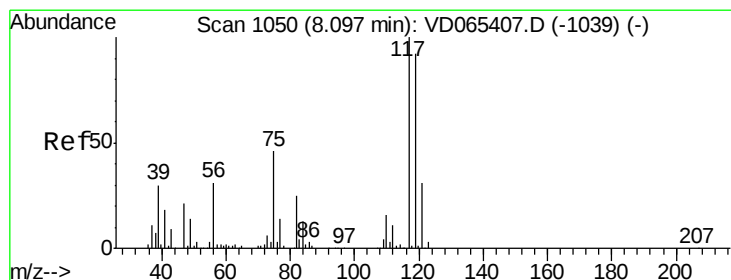
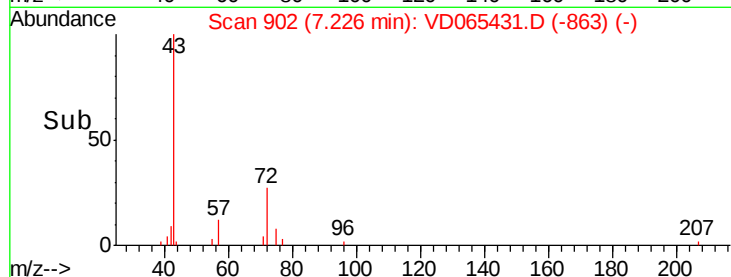
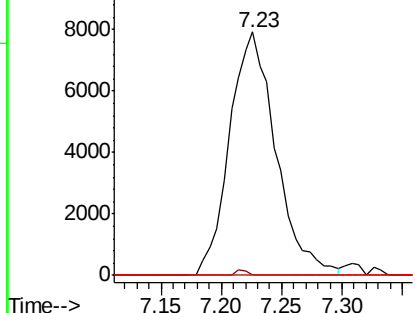
#37
Ethyl Acetate
Concen: 6.908 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.07 min
Lab File: VD065431.D
Acq: 05 Mar 2020 15:12

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 21156
Ion Ratio Lower Upper
43 100
61 0.6 11.4 17.0#
70 0.0 9.0 13.4#

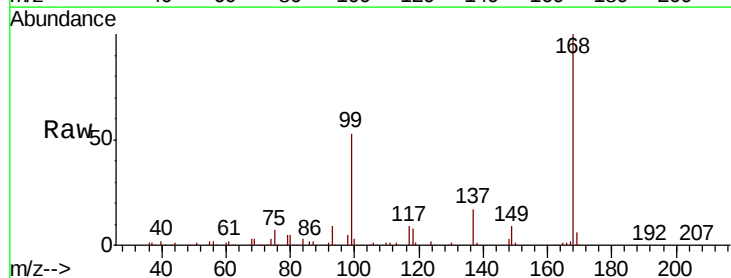


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

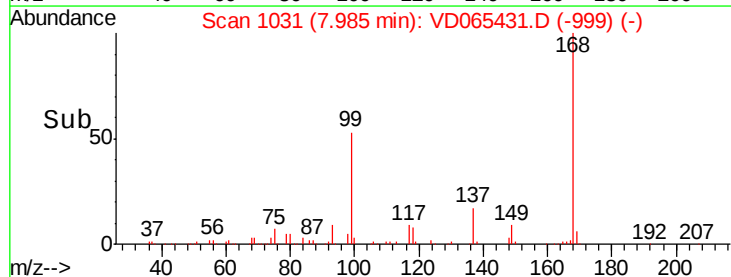
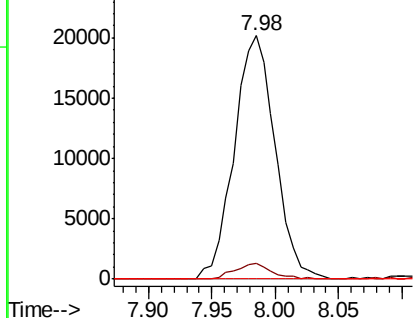


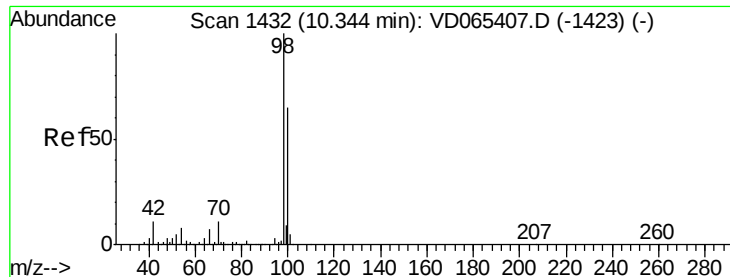
#38
Carbon Tetrachloride
Concen: 5.477 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065431.D
Acq: 05 Mar 2020 15:12

Tgt Ion: 117 Resp: 45002
Ion Ratio Lower Upper
117 100
119 6.3 73.3 109.9#
121 0.0 25.0 37.4#



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





#50

Toluene-d8

Concen: 49.420 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065431.D

Acq: 05 Mar 2020 15:12

Instrument :

MSVOA_D

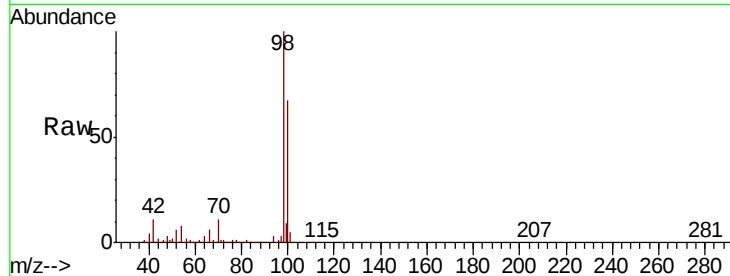
ClientSampleId :

Tot Ion: 98 Resp: 969143

Ion Ratio Lower Upper

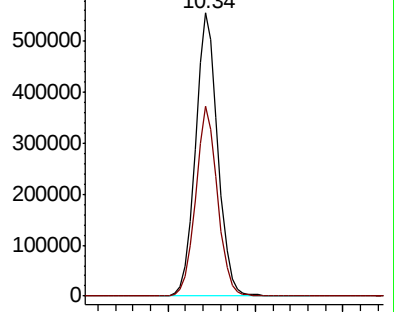
98 100

100 65.6 52.8 79.2

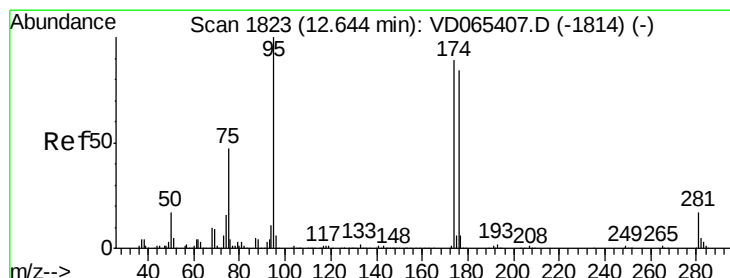
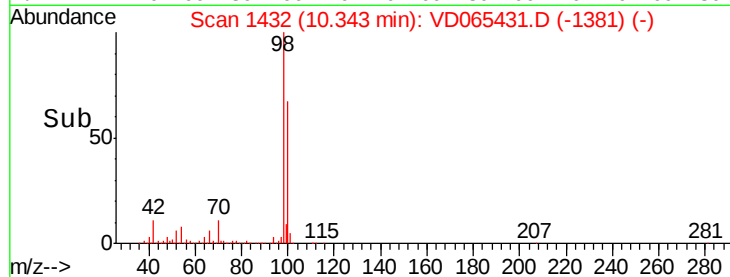


Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: 42.842 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065431.D

Acq: 05 Mar 2020 15:12

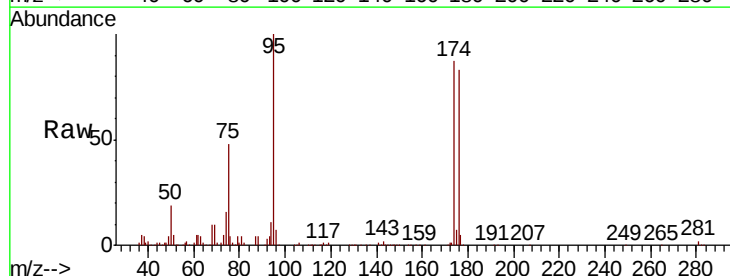
Tgt Ion: 95 Resp: 259359

Ion Ratio Lower Upper

95 100

174 90.5 0.0 176.8

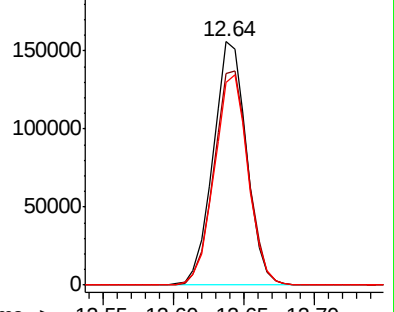
176 87.1 0.0 171.4



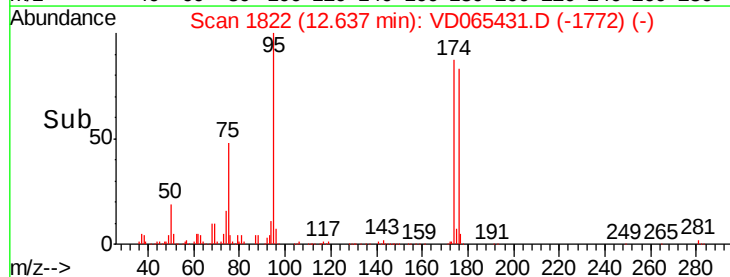
Abundance Ion 94.90 (94.60 to 95.60): VDC

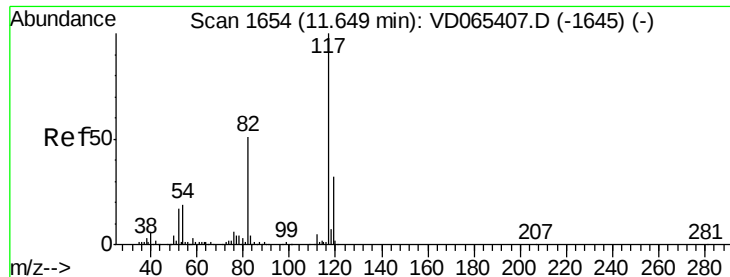
Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC



Time-->

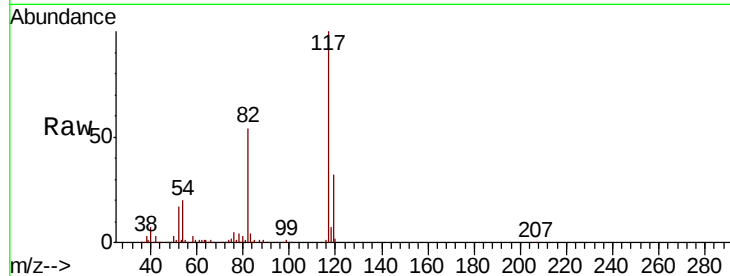




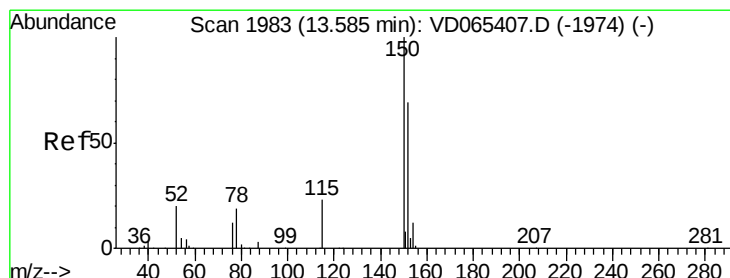
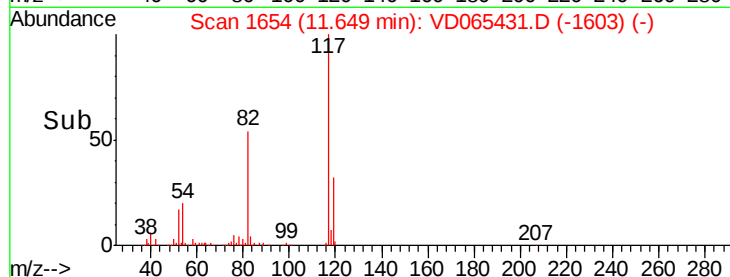
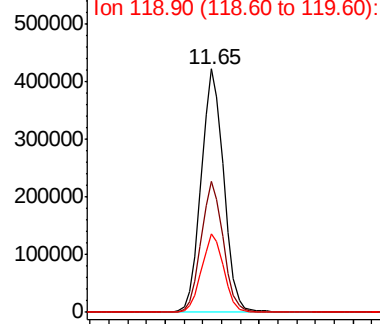
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065431.D
Acq: 05 Mar 2020 15:12

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 703525
Ion Ratio Lower Upper
117 100
82 53.8 40.6 60.8
119 32.2 25.4 38.2

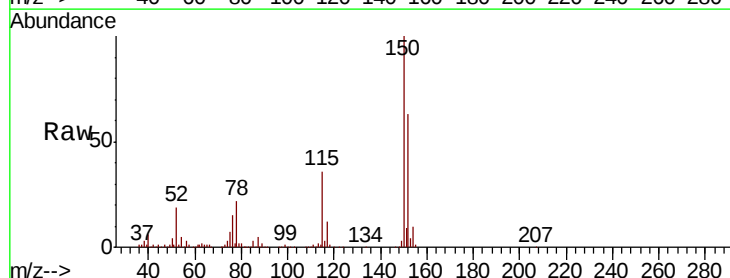


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

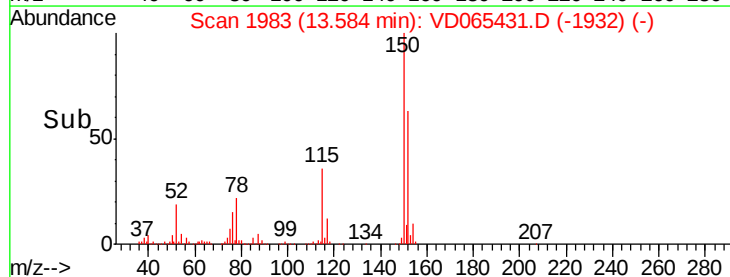
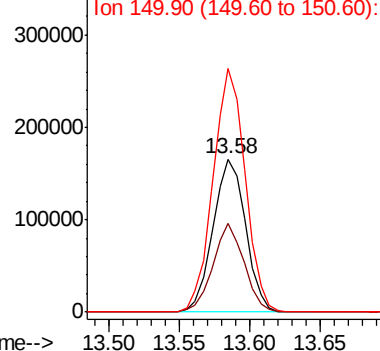


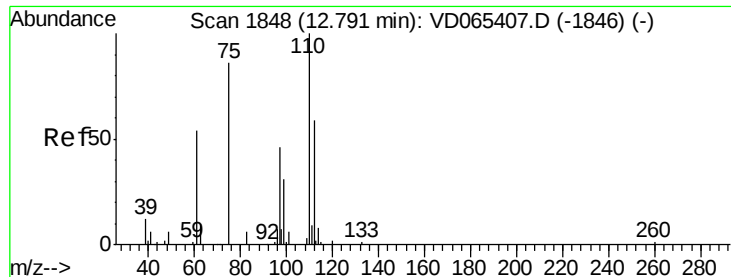
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065431.D
Acq: 05 Mar 2020 15:12

Tgt Ion:152 Resp: 268109
Ion Ratio Lower Upper
152 100
115 55.2 27.6 82.8
150 156.6 0.0 345.0



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: 59.736 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065431.D

Acq: 05 Mar 2020 15:12

Instrument :

MSVOA_D

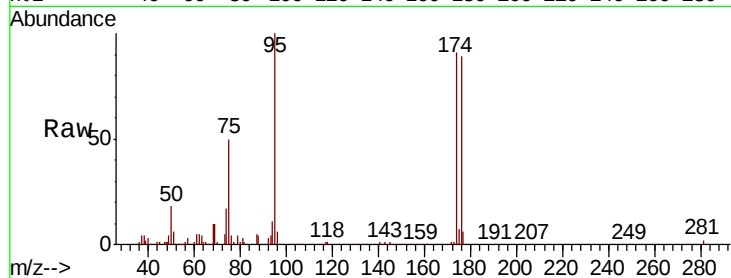
ClientSampled :

Tot Ion: 75 Resp: 126378

Ion Ratio Lower Upper

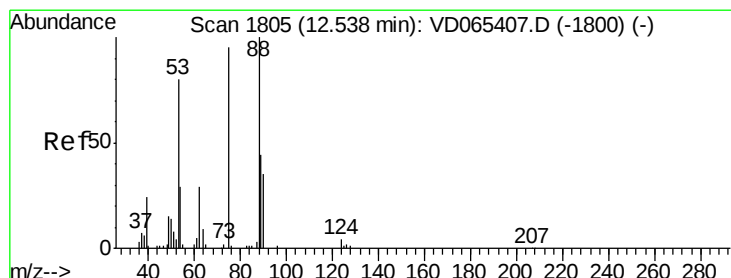
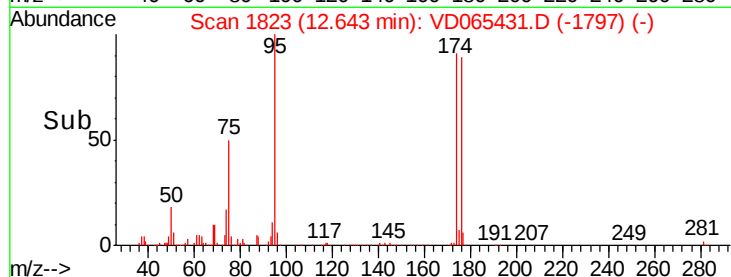
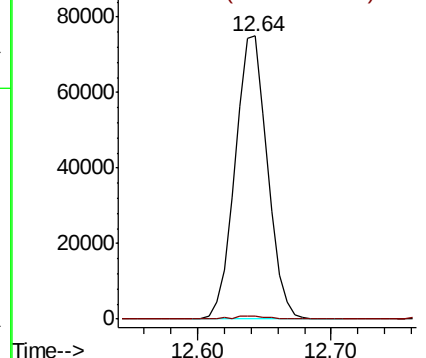
75 100

77 1.3 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: 126.061 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065431.D

Acq: 05 Mar 2020 15:12

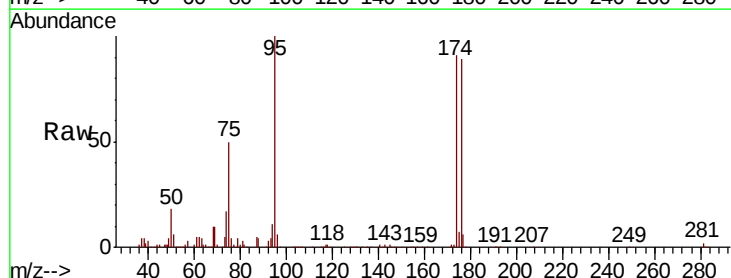
Tgt Ion: 75 Resp: 126378

Ion Ratio Lower Upper

75 100

53 0.3 71.3 106.9#

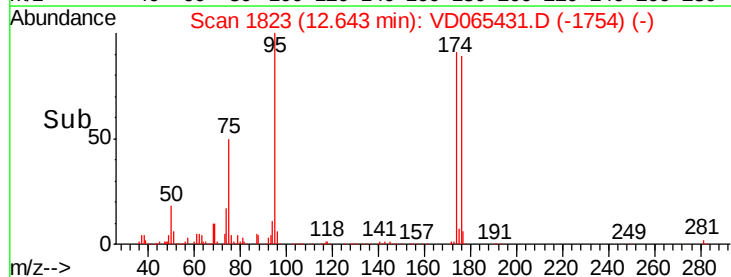
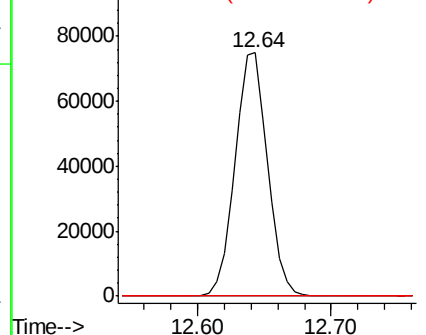
89 0.0 37.0 55.6#

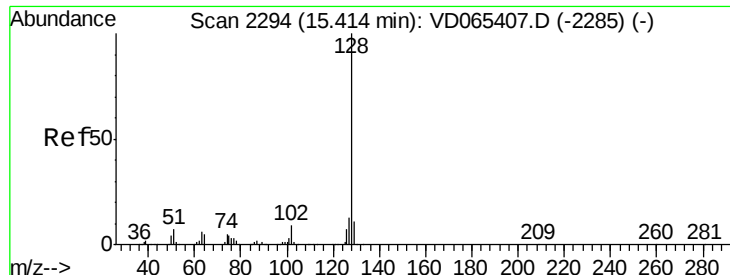


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 6.062 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065431.D

Acq: 05 Mar 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

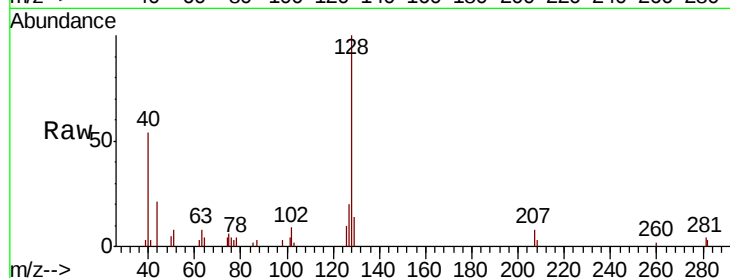
Tot Ion:128 Resp: 15718

Ion Ratio Lower Upper

128 100

127 14.3 10.6 16.0

129 12.1 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

