

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD020320\
 Data File : VD065051.D
 Acq On : 03 Feb 2020 13:47
 Operator : VA/SY
 Sample : L1345-01RE
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 01-31-A

Quant Time: Feb 03 14:06:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	515501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	820836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	775003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	335938	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	238338	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
35) Dibromofluoromethane	7.92	113	250494	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	10.34	98	1001179	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.64	95	314583	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	

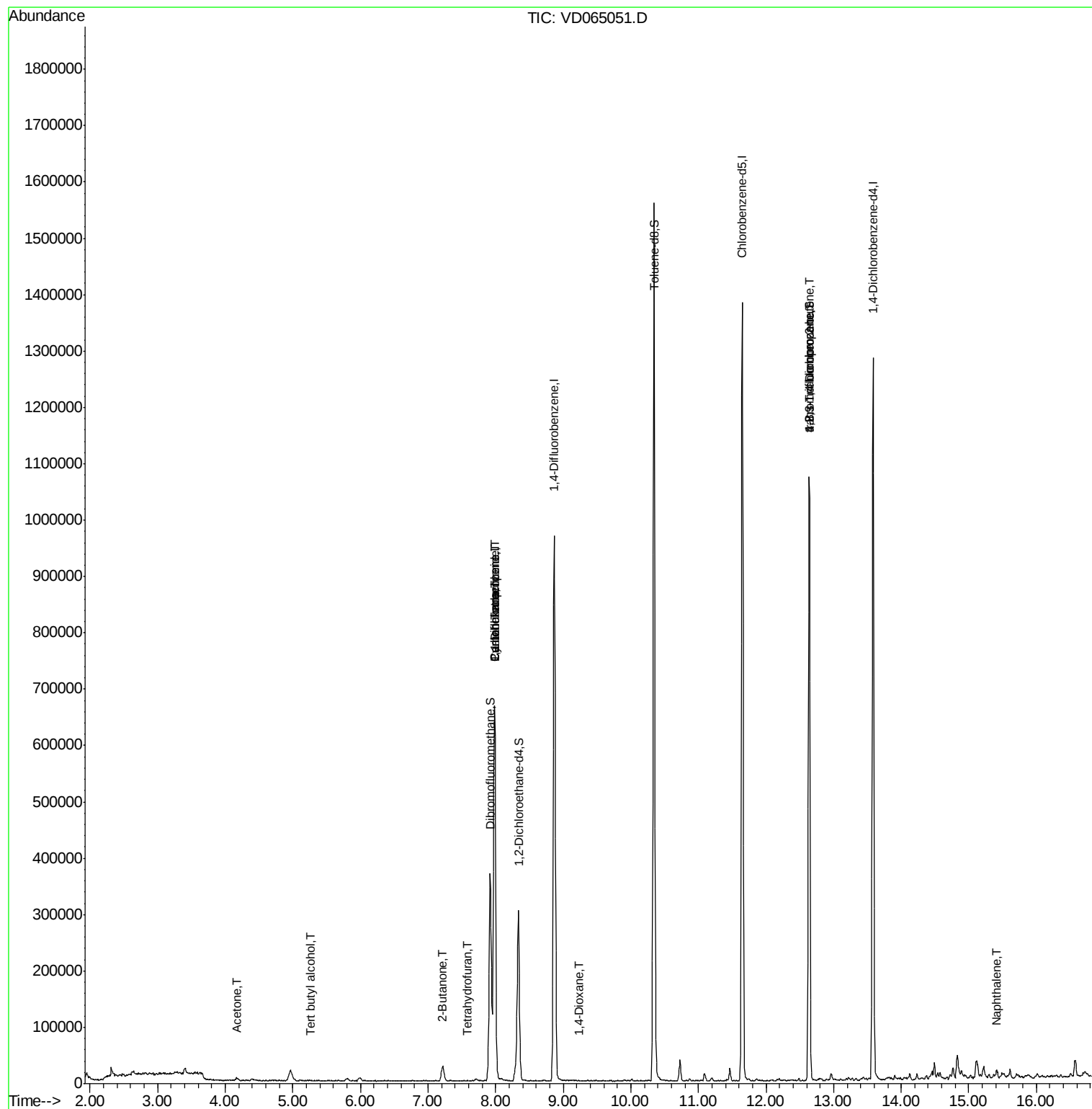
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	644	2.36	ug/l #	74
16) Acetone	4.17	43	7681	19.07	ug/l #	80
20) Methylene Chloride	4.97	84	13201	Below Cal		92
25) 2-Butanone	7.22	43	2096	1.57	ug/l #	49
29) Tetrahydrofuran	7.59	42	893	1.08	ug/l #	34
31) Cyclohexane	7.99	56	11783	1.37	ug/l #	10
36) 1,1-Dichloropropene	7.98	75	38551	4.87	ug/l #	49
38) Carbon Tetrachloride	7.99	117	51217	6.12	ug/l #	17
49) 1,4-Dioxane	9.23	88	66	1.97	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	170049	60.99	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	170049	130.22	ug/l #	9
95) Naphthalene	15.41	128	10634	1.04	ug/l #	94

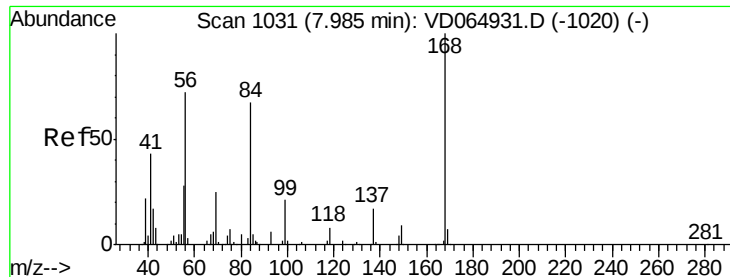
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD020320\
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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065051.D

Acq: 03 Feb 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

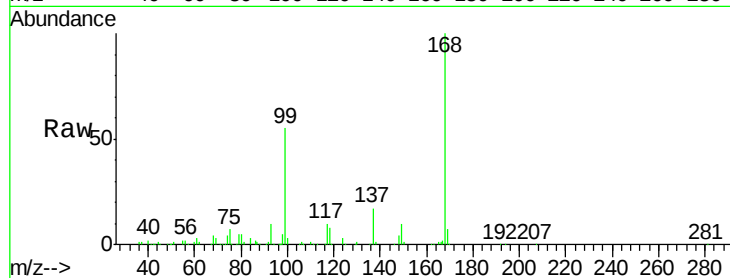
01-31-A

Tgt Ion:168 Resp: 515501

Ion Ratio Lower Upper

168 100

99 54.7 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

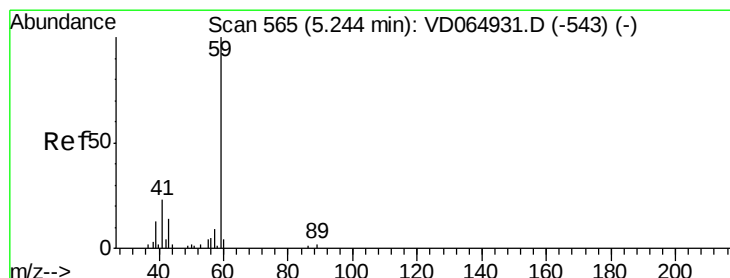
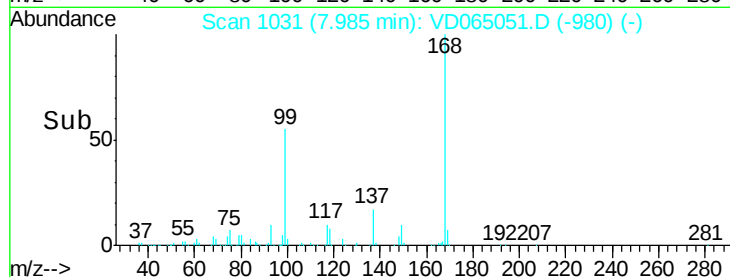
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.36 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065051.D

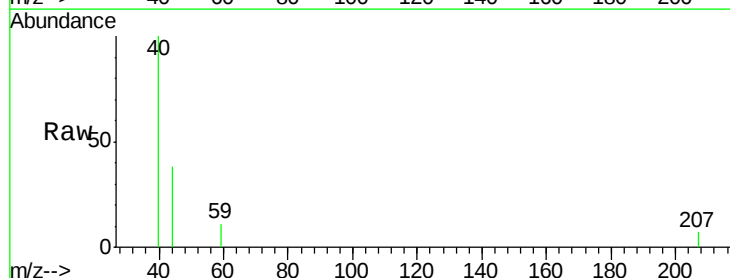
Acq: 03 Feb 2020 13:47

Tgt Ion: 59 Resp: 644

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.25

400

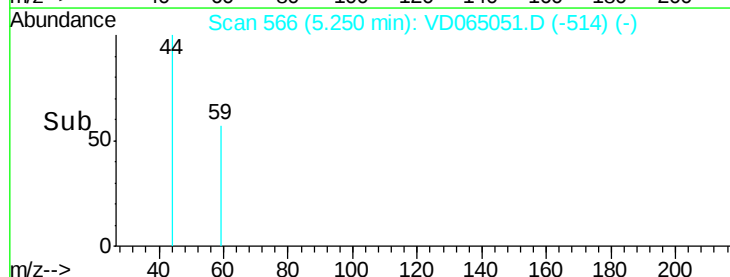
300

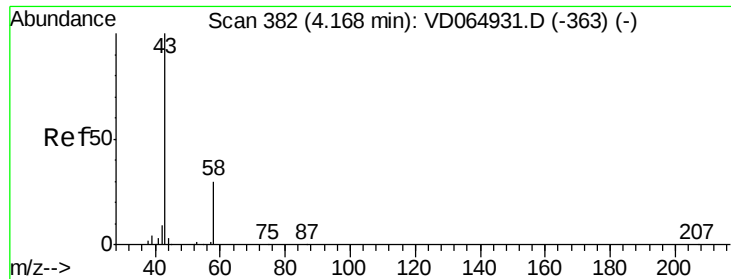
200

100

0

Time-->





#16

Acetone

Concen: 19.07 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065051.D

Acq: 03 Feb 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

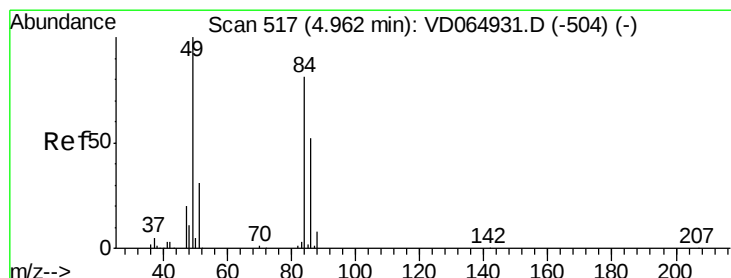
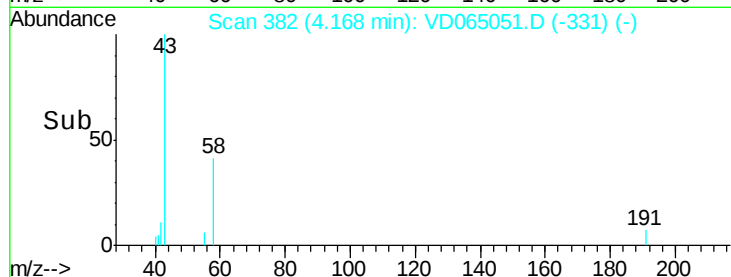
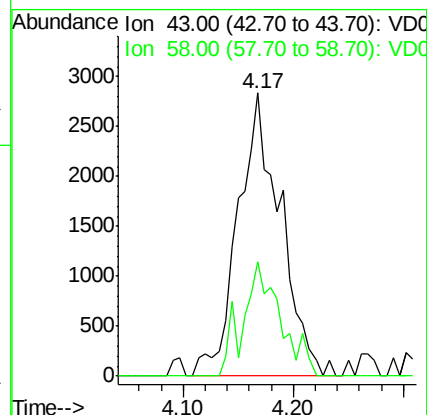
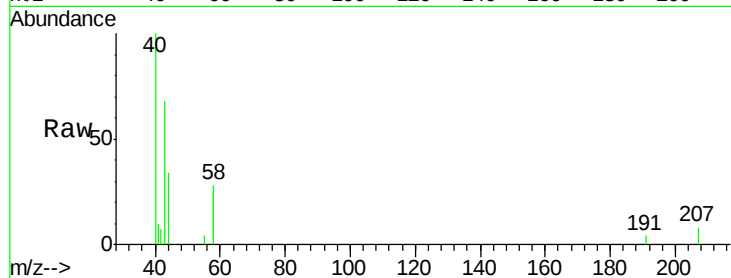
01-31-A

Tgt Ion: 43 Resp: 7681

Ion Ratio Lower Upper

43 100

58 40.6 23.8 35.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD065051.D

Acq: 03 Feb 2020 13:47

Tgt Ion: 84 Resp: 13201

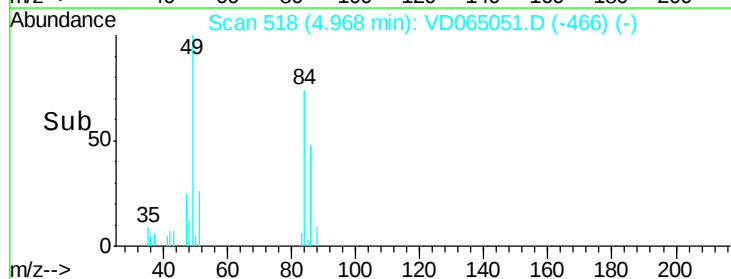
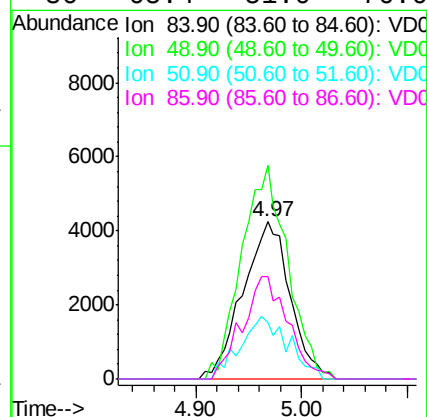
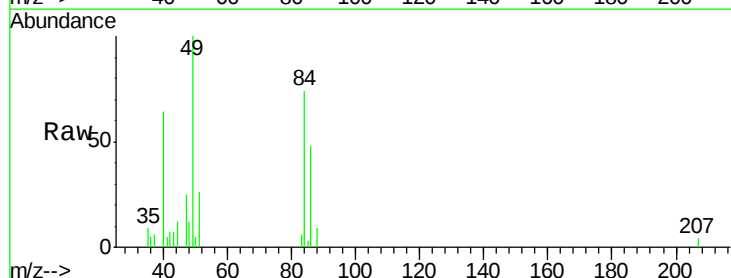
Ion Ratio Lower Upper

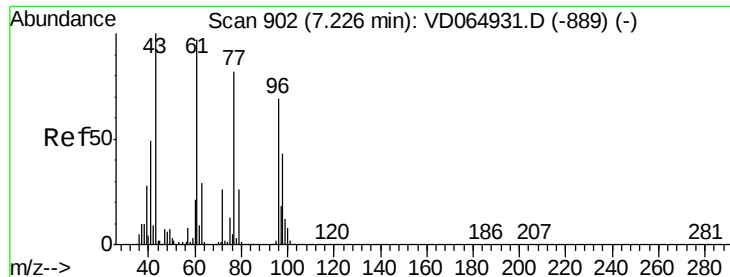
84 100

49 135.7 98.4 147.6

51 35.7 30.8 46.2

86 65.4 51.0 76.6





#25

2-Butanone

Concen: 1.57 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065051.D

Acq: 03 Feb 2020 13:47

Instrument :

MSVOA_D

ClientSampled :

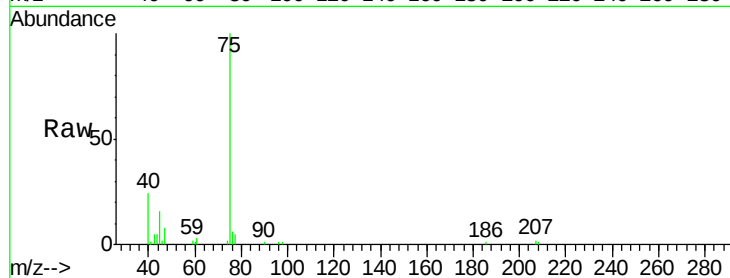
01-31-A

Tgt Ion: 43 Resp: 2096

Ion Ratio Lower Upper

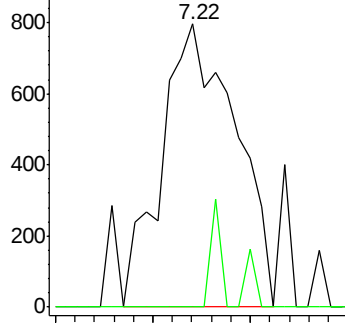
43 100

72 0.0 20.6 31.0#

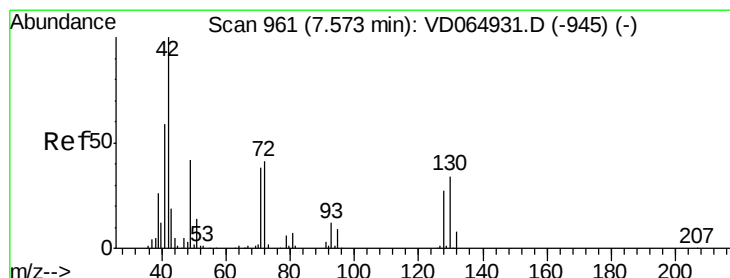
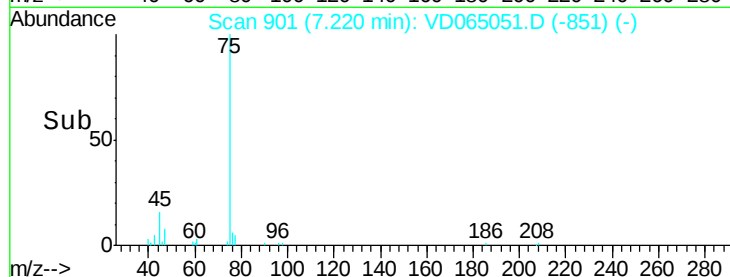


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#29

Tetrahydrofuran

Concen: 1.08 ug/l

RT: 7.59 min Scan# 964

Delta R.T. 0.02 min

Lab File: VD065051.D

Acq: 03 Feb 2020 13:47

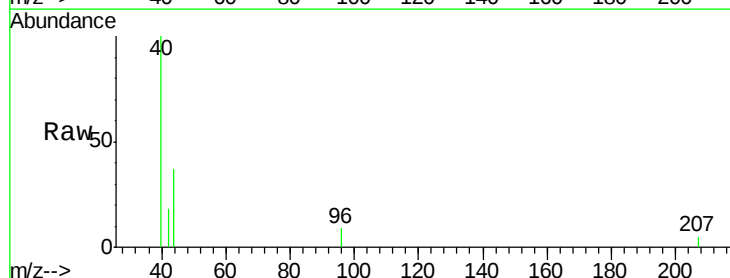
Tgt Ion: 42 Resp: 893

Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

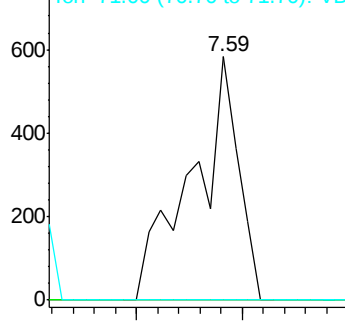
71 0.0 31.5 47.3#



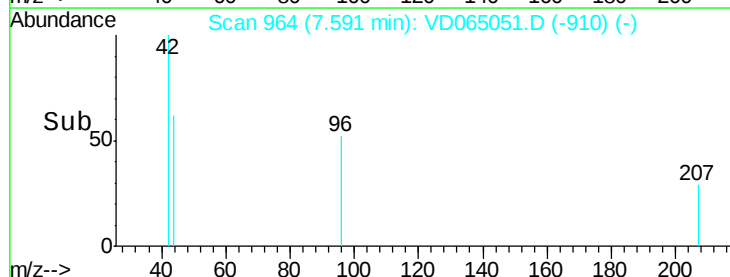
Abundance Ion 42.00 (41.70 to 42.70): VDC

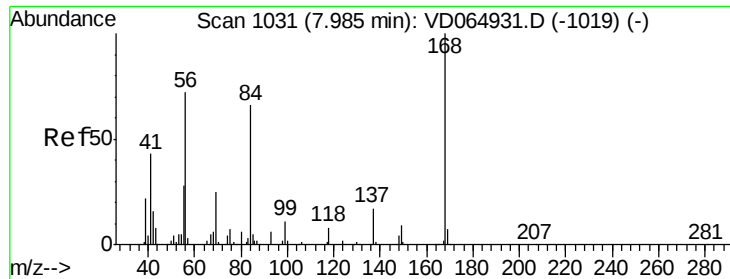
Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



Time-->

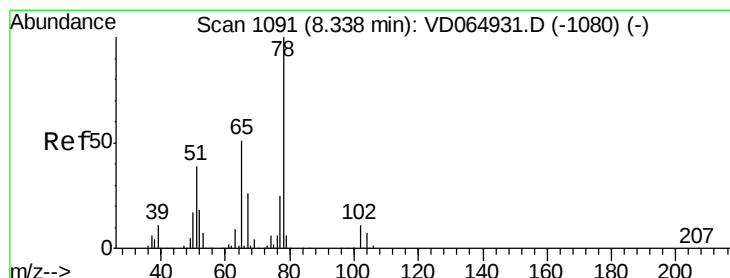
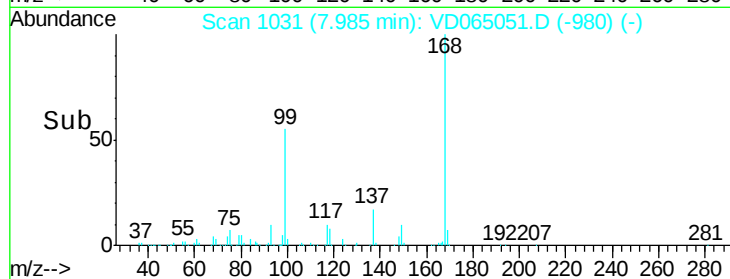
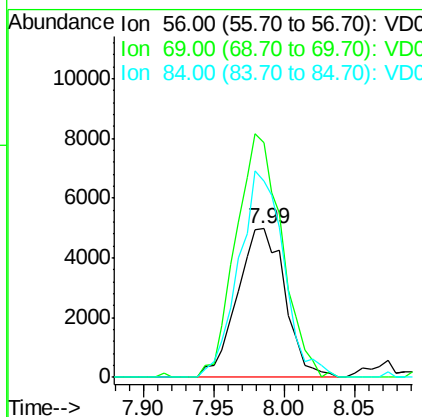
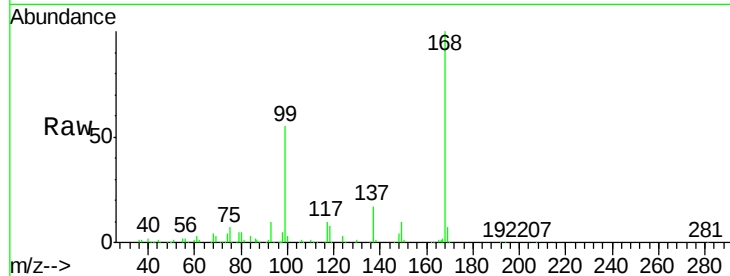




#31
Cyclohexane
Concen: 1.37 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065051.D
Acq: 03 Feb 2020 13:47

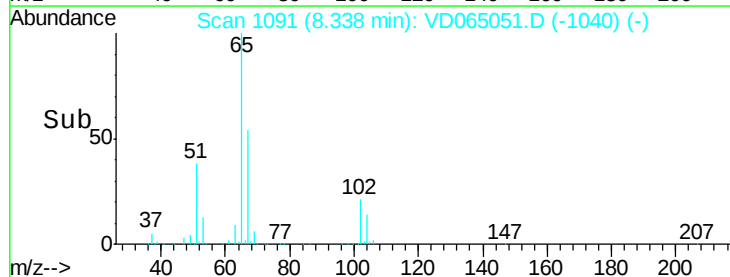
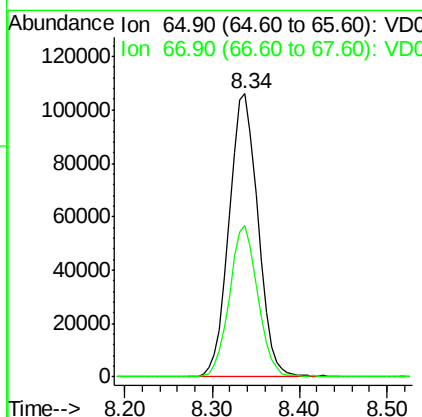
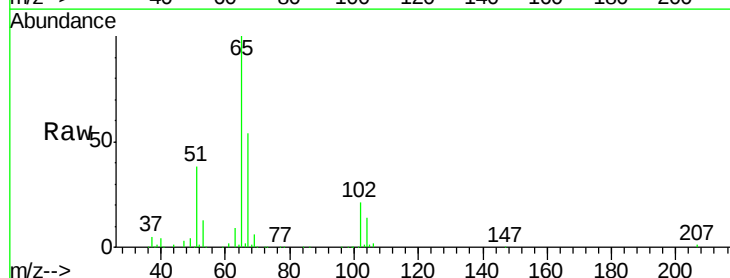
Instrument :
MSVOA_D
ClientSampleId :
01-31-A

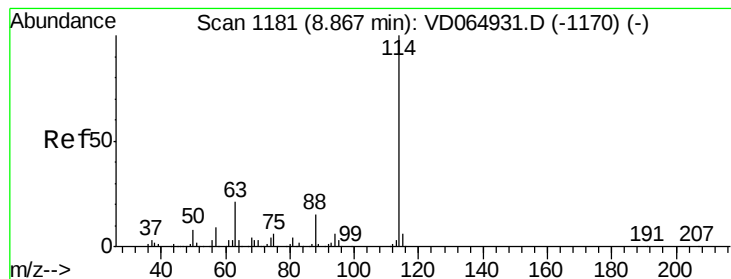
Tgt Ion: 56 Resp: 11783
Ion Ratio Lower Upper
56 100
69 157.3 27.9 41.9#
84 131.7 72.8 109.2#



#33
1,2-Dichloroethane-d4
Concen: 48.20 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065051.D
Acq: 03 Feb 2020 13:47

Tgt Ion: 65 Resp: 238338
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065051.D

Acq: 03 Feb 2020 13:47

Instrument :

MSVOA_D

ClientSampled :

01-31-A

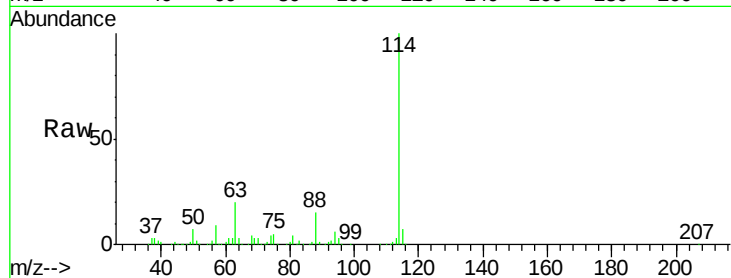
Tgt Ion:114 Resp: 820836

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.0

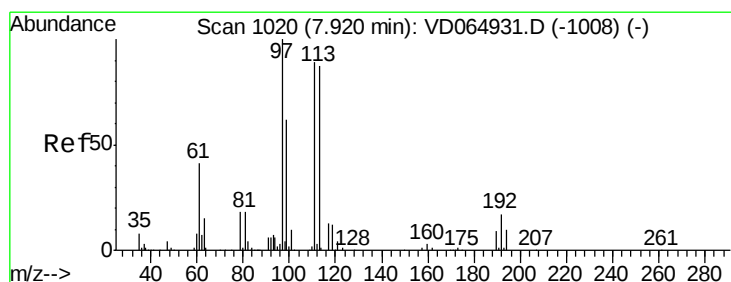
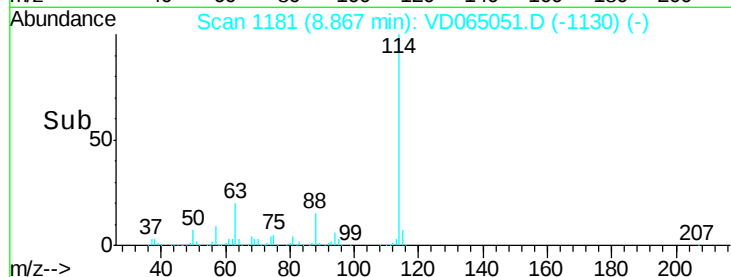
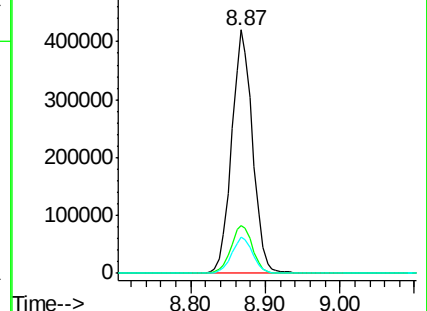
88 14.6 0.0 29.4



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: 48.56 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065051.D

Acq: 03 Feb 2020 13:47

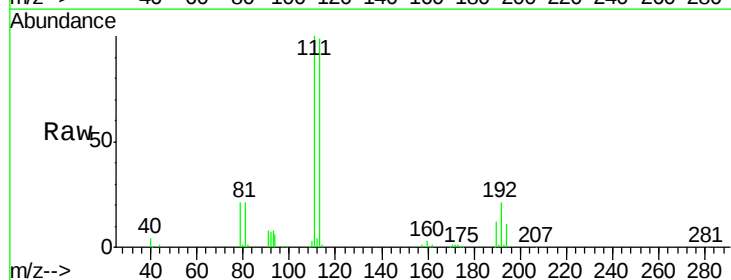
Tgt Ion:113 Resp: 250494

Ion Ratio Lower Upper

113 100

111 103.4 82.4 123.6

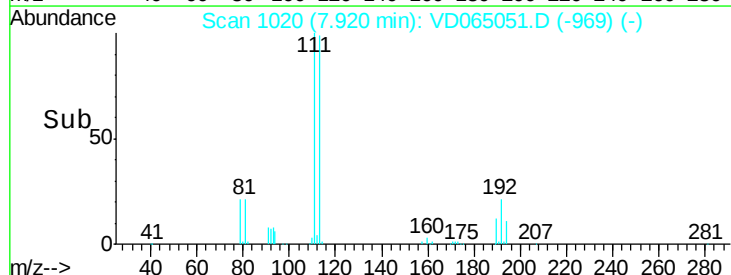
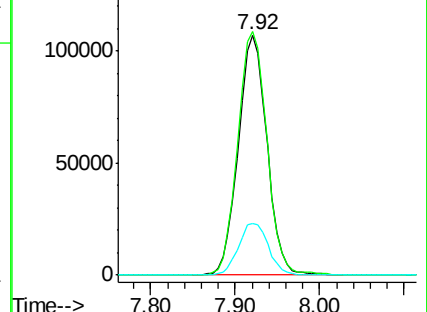
192 22.5 16.9 25.3

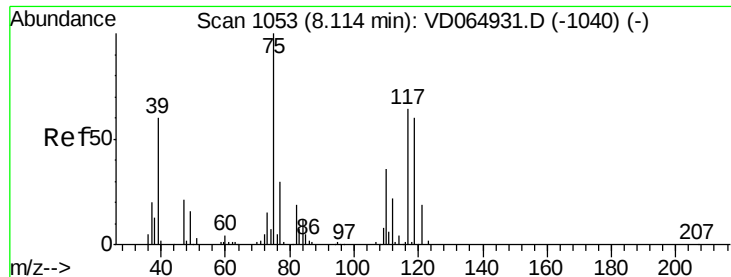


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

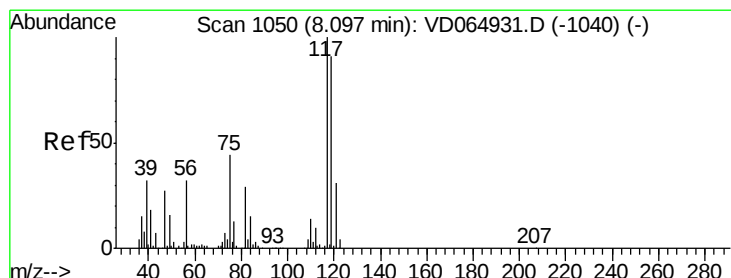
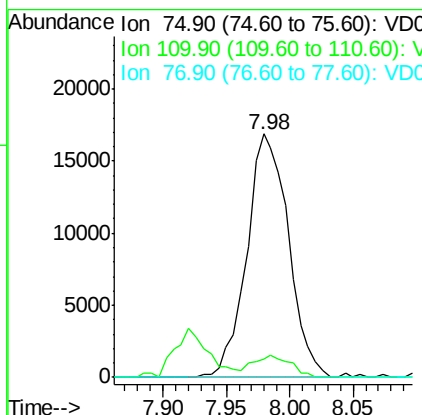
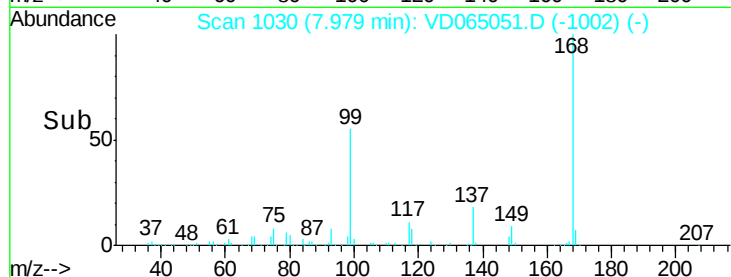
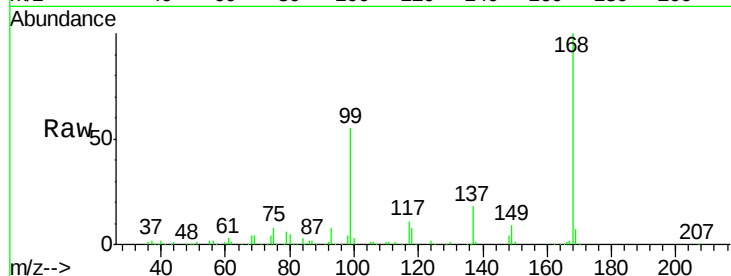




#36
 1,1-Dichloropropene
 Concen: 4.87 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065051.D
 Acq: 03 Feb 2020 13:47

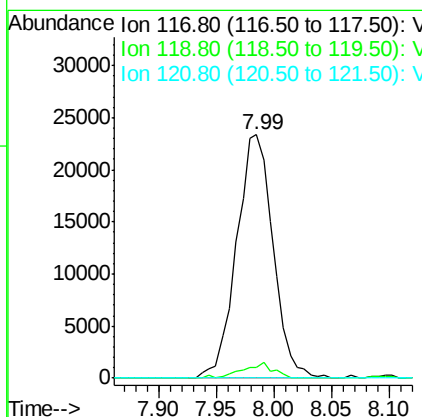
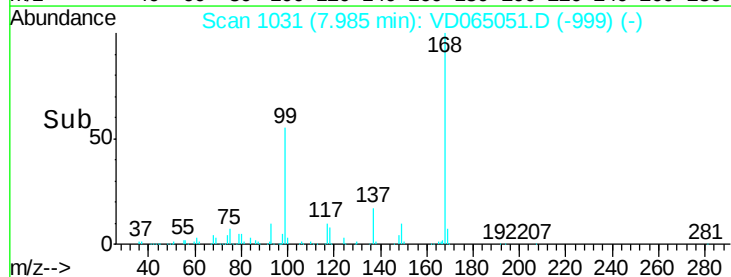
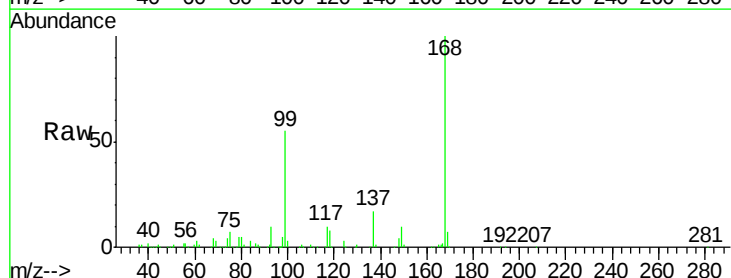
Instrument :
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 01-31-A

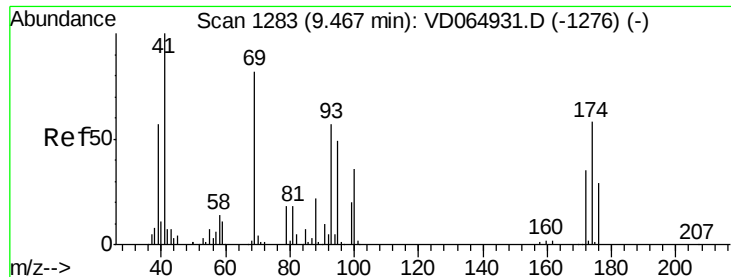
Tgt Ion: 75 Resp: 38551
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.3 52.0#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.12 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065051.D
 Acq: 03 Feb 2020 13:47

Tgt Ion: 117 Resp: 51217
 Ion Ratio Lower Upper
 117 100
 119 4.2 73.2 109.8#
 121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 1.97 ug/l

RT: 9.23 min Scan# 1243

Delta R.T. -0.24 min

Lab File: VD065051.D

Acq: 03 Feb 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

01-31-A

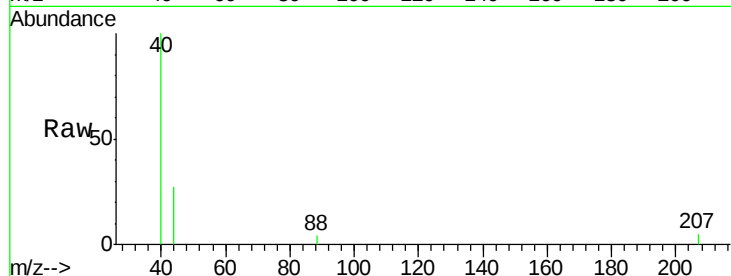
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 124.2 26.2 39.4#

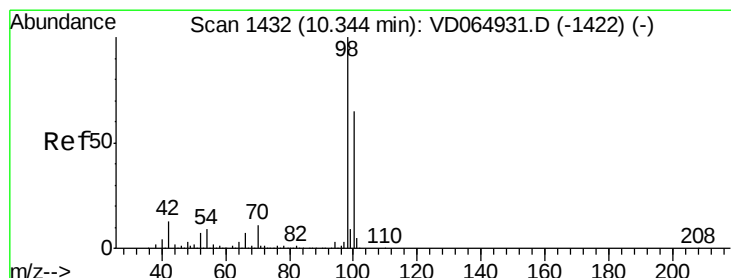
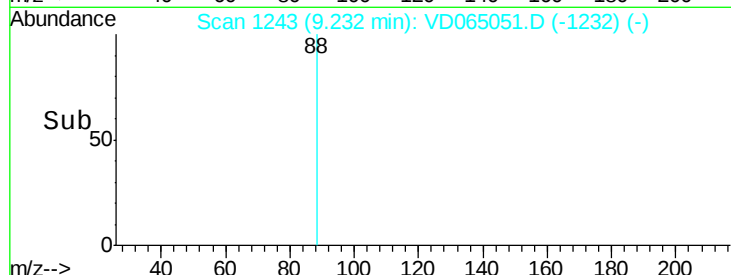
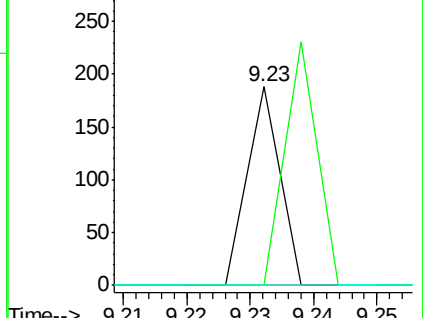
58 0.0 50.3 75.5#



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: 50.29 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065051.D

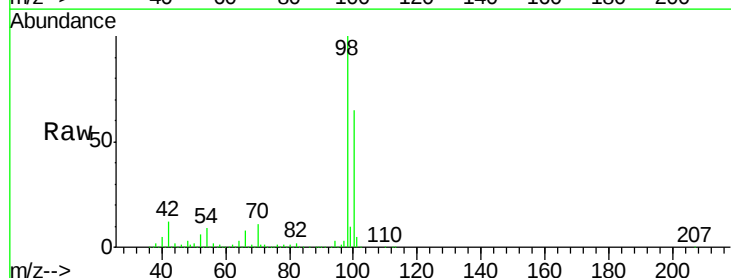
Acq: 03 Feb 2020 13:47

Tgt Ion: 98 Resp: 1001179

Ion Ratio Lower Upper

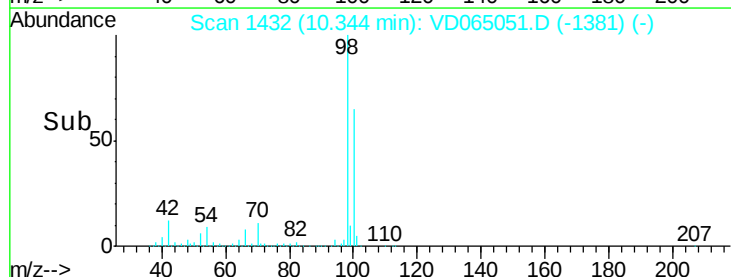
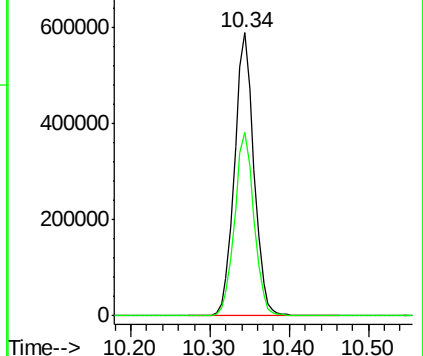
98 100

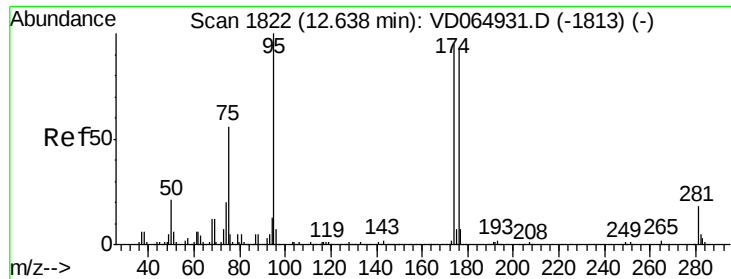
100 64.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

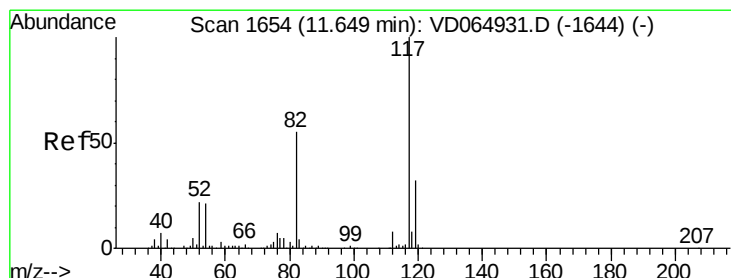
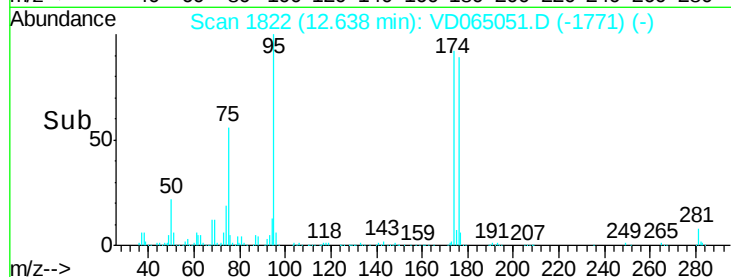
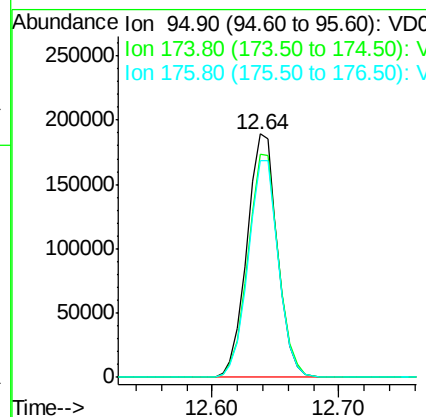
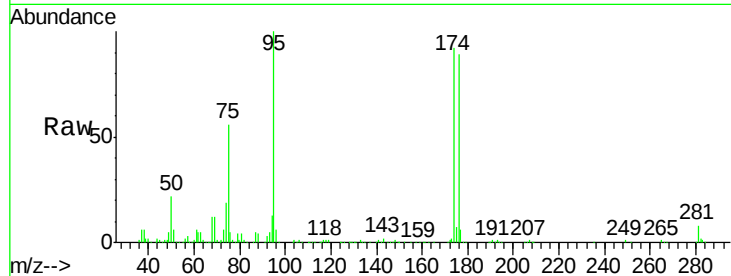




#62
4-Bromofluorobenzene
Concen: 51.63 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065051.D
Acq: 03 Feb 2020 13:47

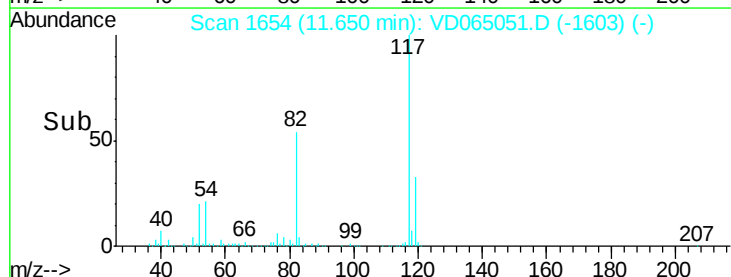
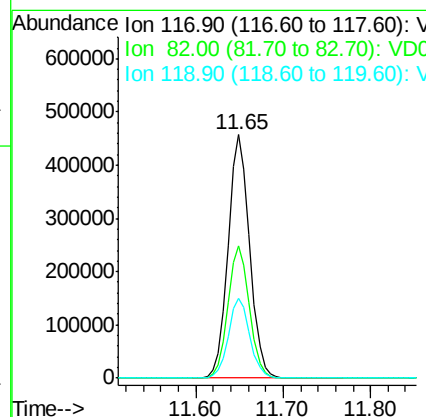
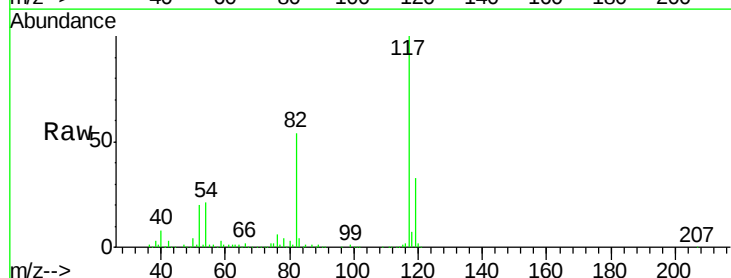
Instrument :
MSVOA_D
ClientSampleId :
01-31-A

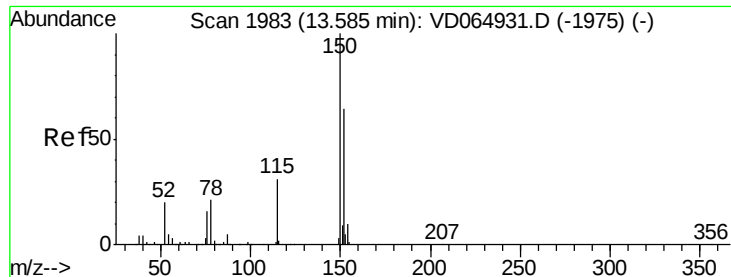
Tgt Ion: 95 Resp: 314583
Ion Ratio Lower Upper
95 100
174 92.0 0.0 186.8
176 88.8 0.0 183.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065051.D
Acq: 03 Feb 2020 13:47

Tgt Ion: 117 Resp: 775003
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 32.8 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065051.D

Acq: 03 Feb 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

01-31-A

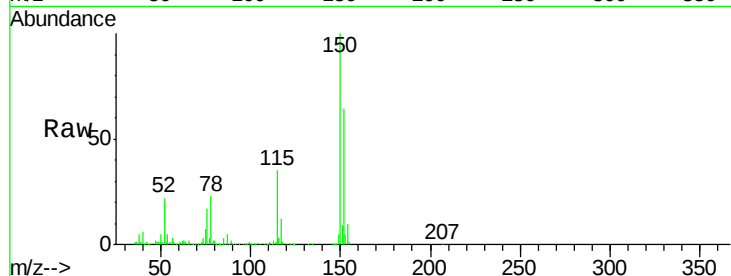
Tgt Ion: 152 Resp: 335938

Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.4

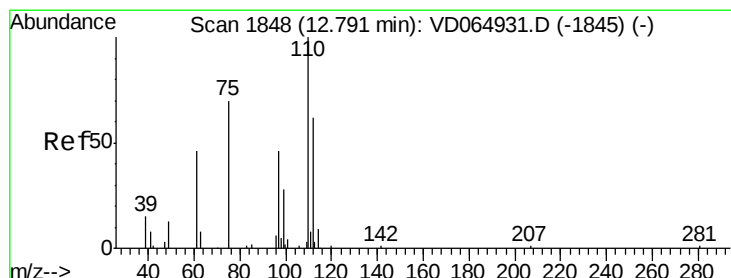
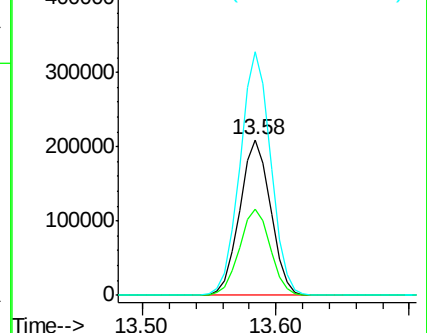
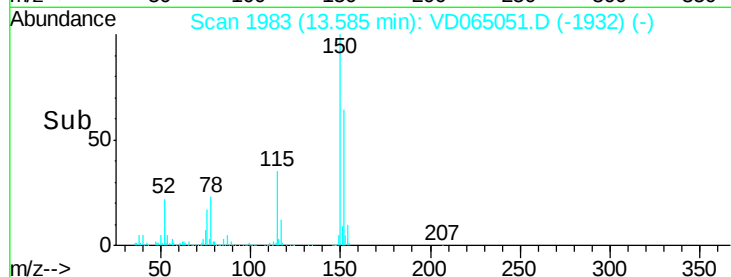
150 155.1 0.0 350.4



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: 60.99 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065051.D

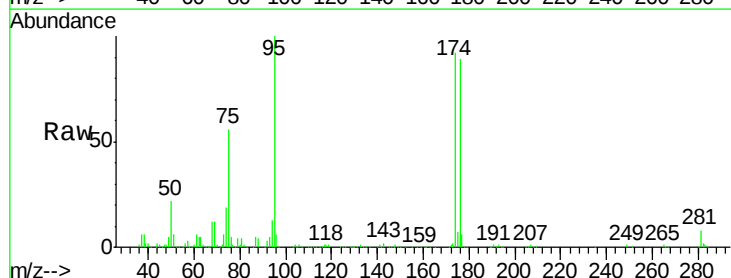
Acq: 03 Feb 2020 13:47

Tgt Ion: 75 Resp: 170049

Ion Ratio Lower Upper

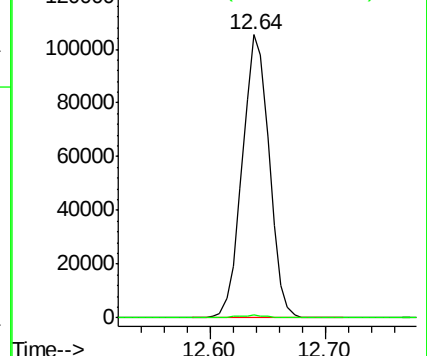
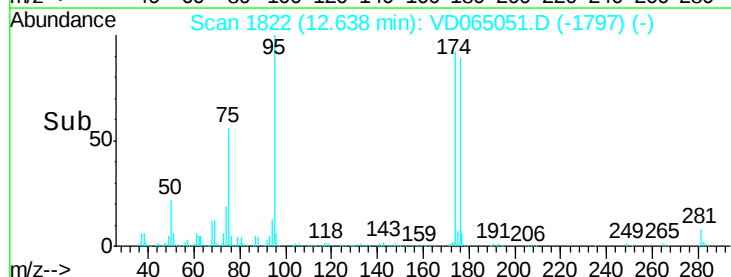
75 100

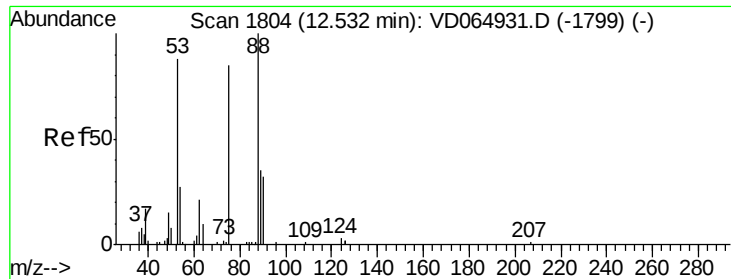
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

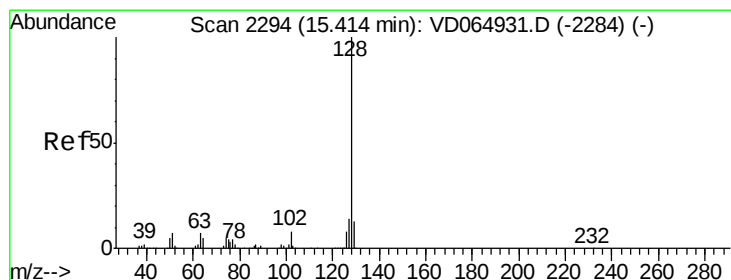
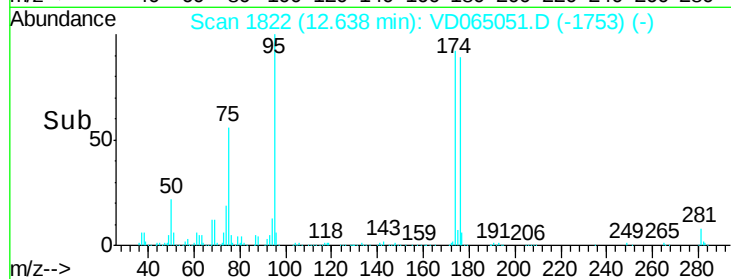
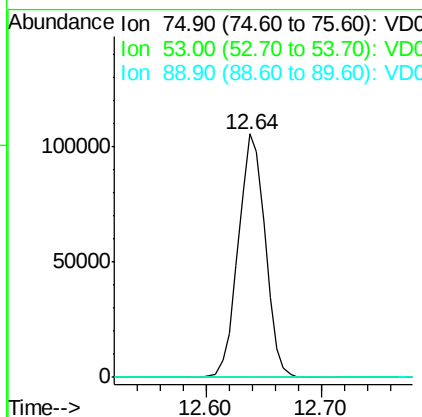
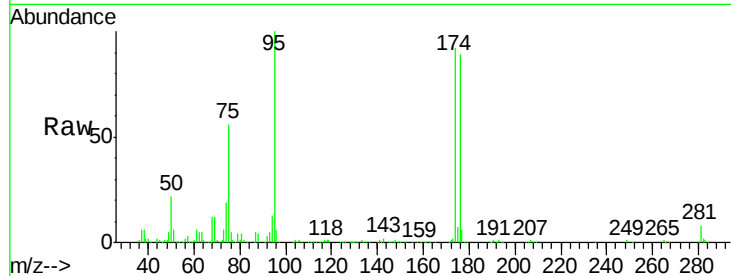




#81
trans-1,4-Dichloro-2-butene
Concen: 130.22 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD065051.D
Acq: 03 Feb 2020 13:47

Instrument :
MSVOA_D
ClientSampled :
01-31-A

Tgt Ion: 75 Resp: 170049
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.4#
89 0.0 36.2 54.4#



#95
Naphthalene
Concen: 1.04 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065051.D
Acq: 03 Feb 2020 13:47

Tgt Ion: 128 Resp: 10634
Ion Ratio Lower Upper
128 100
127 14.3 10.6 15.8
129 7.8 9.3 13.9#

