

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD013120\
 Data File : VD065034.D
 Acq On : 31 Jan 2020 15:21
 Operator : VA/SY
 Sample : L1333-01
 Misc : 7.54G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-2

Quant Time: Jan 31 15:59:10 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	7.98	168	209855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	338611	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	362941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	182486	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	149707	74.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.74%	
35) Dibromofluoromethane	7.92	113	124740	58.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.24%	
50) Toluene-d8	10.34	98	413856	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.64	95	154605	61.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.02%	

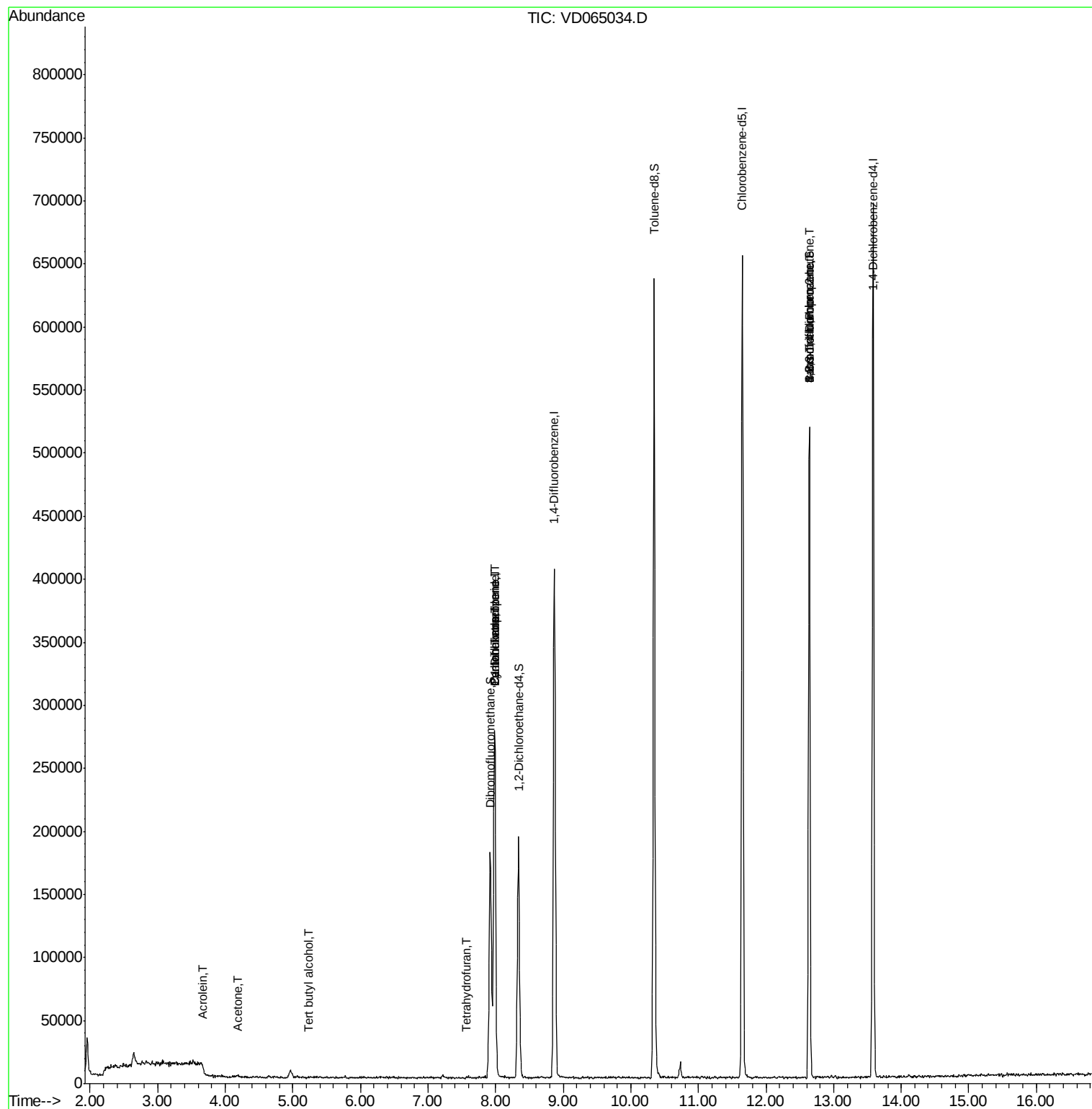
Target Compounds						Qvalue
11) Tert butyl alcohol	5.24	59	133	1.20	ug/l #	74
13) Acrolein	3.66	56	247	1.77	ug/l #	41
16) Acetone	4.17	43	2341	17.75	ug/l	98
20) Methylene Chloride	4.96	84	3659	Below Cal	#	79
29) Tetrahydrofuran	7.57	42	351	1.05	ug/l #	34
31) Cyclohexane	7.98	56	5386	1.54	ug/l #	54
36) 1,1-Dichloropropene	7.98	75	17119	5.24	ug/l #	45
38) Carbon Tetrachloride	7.98	117	20279	5.88	ug/l #	18
71) Bromoform	12.64	173	1861	1.21	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	85204	56.25	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	85204	120.11	ug/l #	9

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD013120\
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Misc : 7.54G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-1-2

Quant Time: Jan 31 15:59:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065034.D

Acq: 31 Jan 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

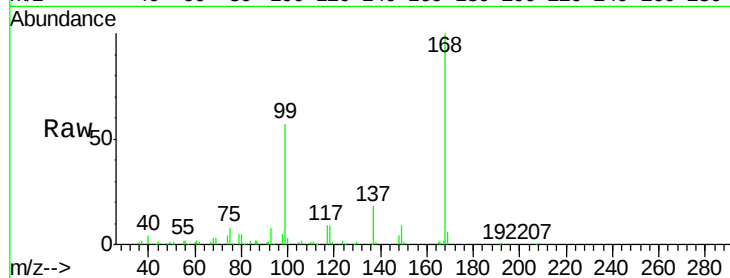
TP-1-2

Tgt Ion:168 Resp: 209855

Ion Ratio Lower Upper

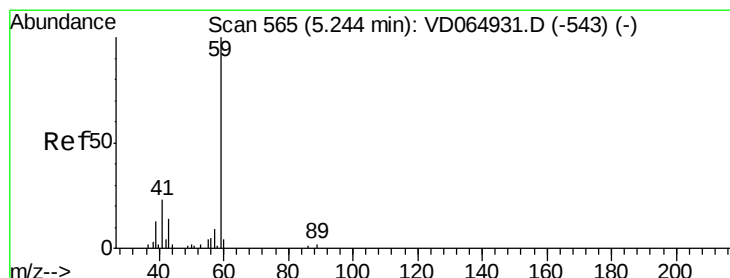
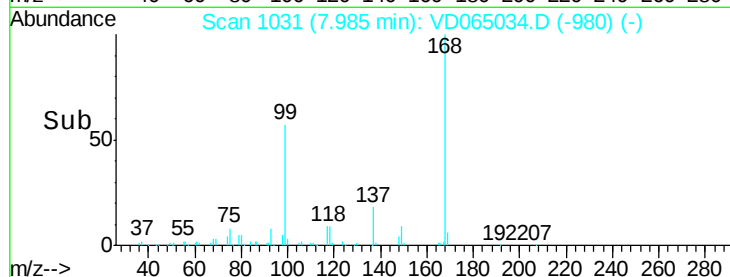
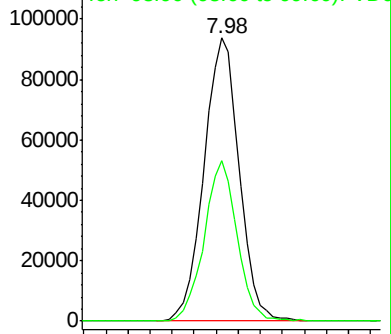
168 100

99 56.7 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.20 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.01 min

Lab File: VD065034.D

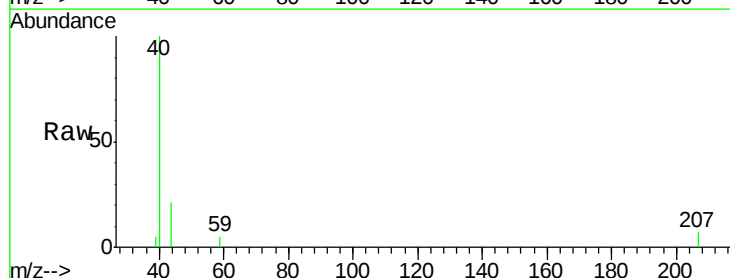
Acq: 31 Jan 2020 15:21

Tgt Ion: 59 Resp: 133

Ion Ratio Lower Upper

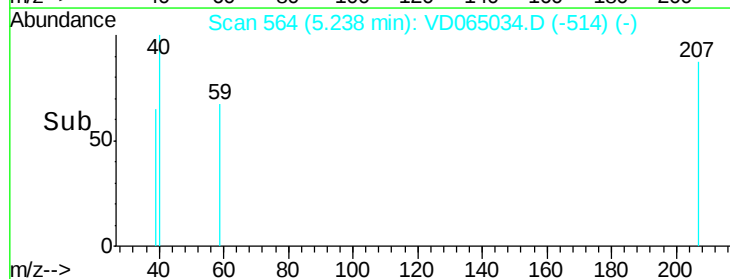
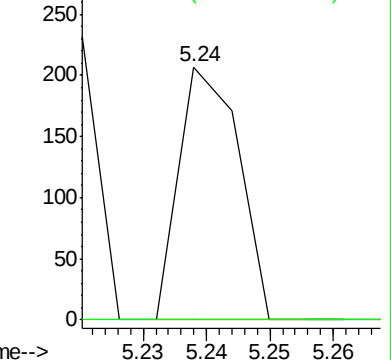
59 100

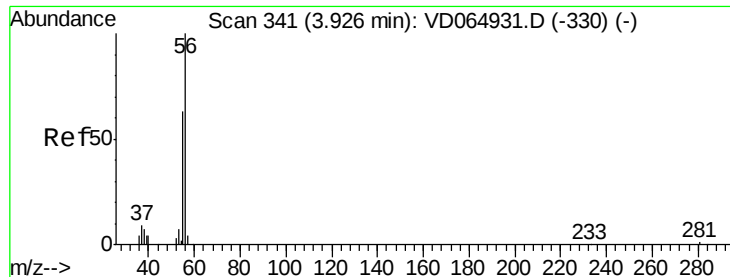
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#13

Acrolein

Concen: 1.77 ug/l

RT: 3.66 min Scan# 296

Delta R.T. -0.26 min

Lab File: VD065034.D

Acq: 31 Jan 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

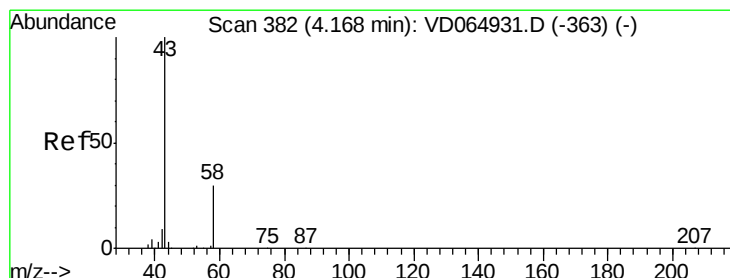
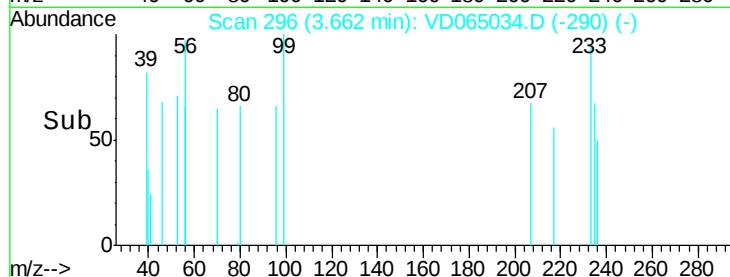
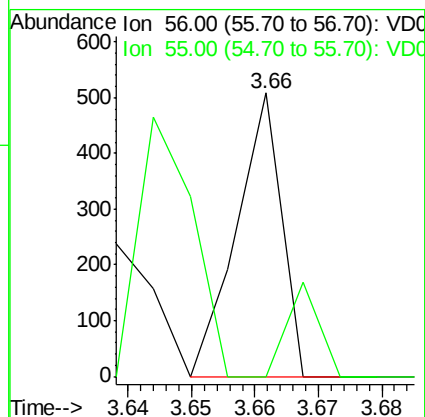
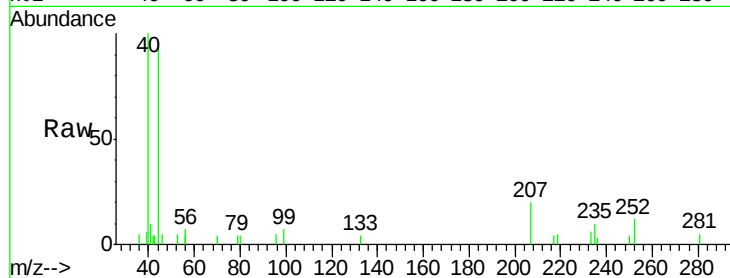
TP-1-2

Tgt Ion: 56 Resp: 247

Ion Ratio Lower Upper

56 100

55 24.3 59.7 89.5#



#16

Acetone

Concen: 17.75 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065034.D

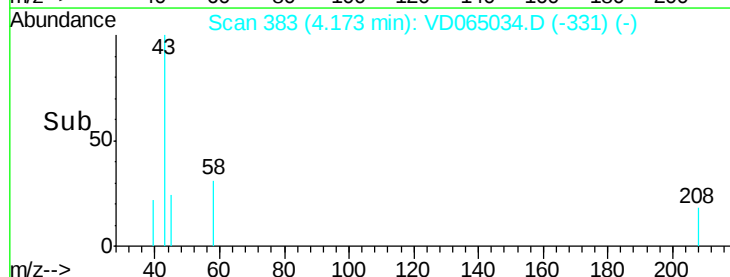
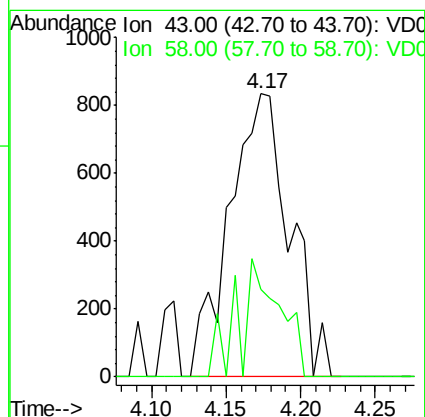
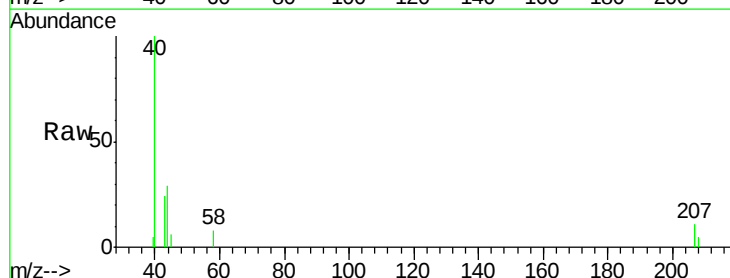
Acq: 31 Jan 2020 15:21

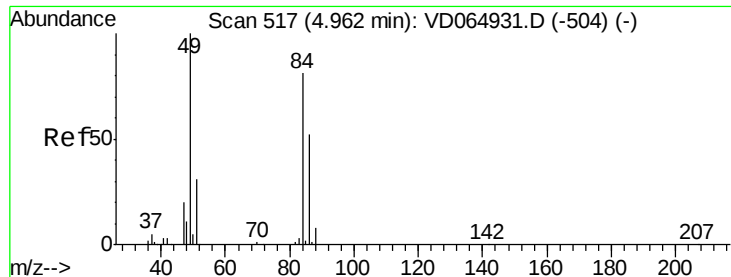
Tgt Ion: 43 Resp: 2341

Ion Ratio Lower Upper

43 100

58 31.1 23.8 35.8

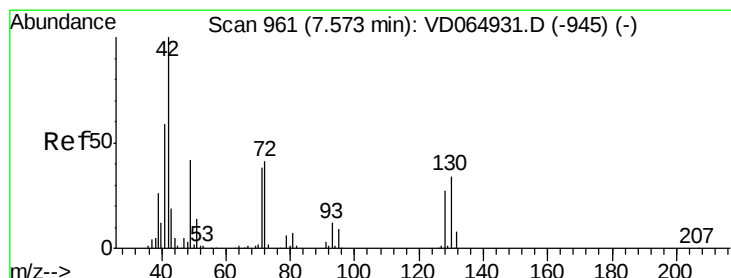
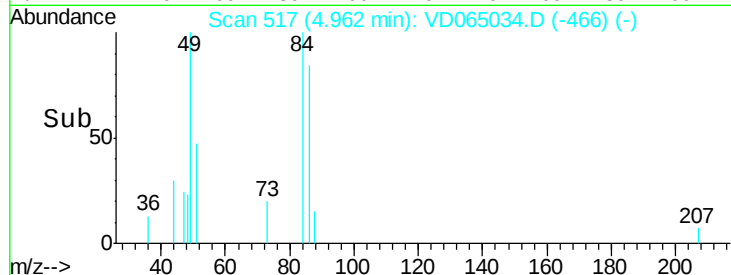
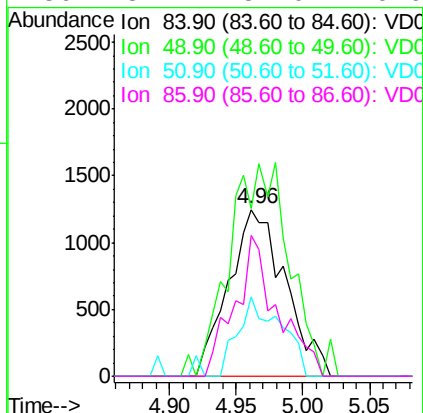
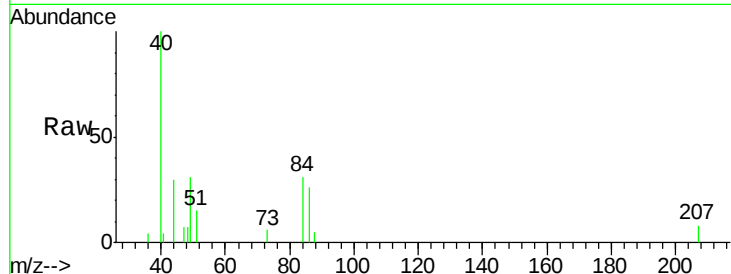




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065034.D
Acq: 31 Jan 2020 15:21

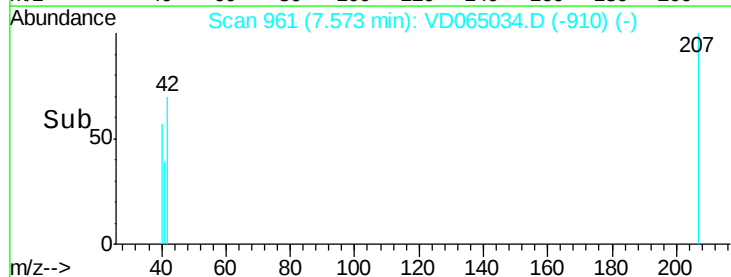
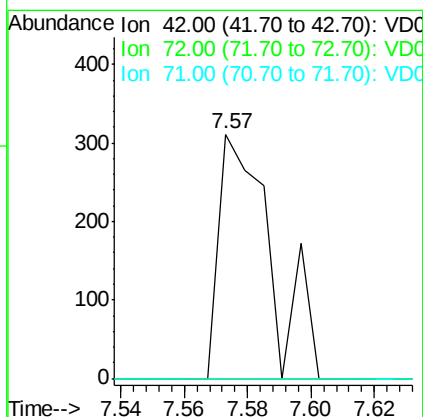
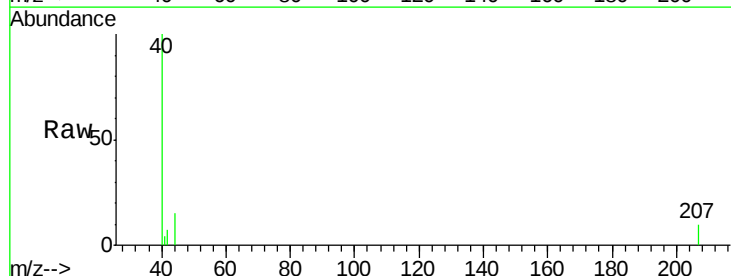
Instrument :
MSVOA_D
ClientSampled :
TP-1-2

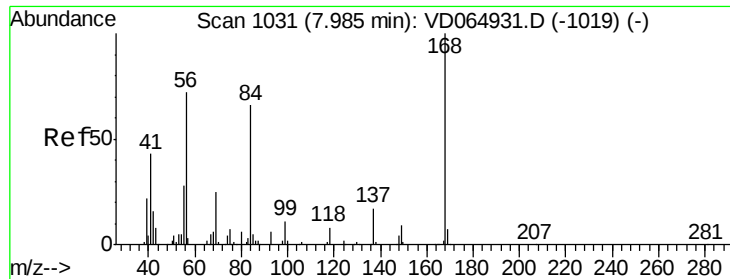
Tgt Ion: 84 Resp: 3659
Ion Ratio Lower Upper
84 100
49 100.2 98.4 147.6
51 47.3 30.8 46.2#
86 84.4 51.0 76.6#



#29
Tetrahydrofuran
Concen: 1.05 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065034.D
Acq: 31 Jan 2020 15:21

Tgt Ion: 42 Resp: 351
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 31.5 47.3#





#31

Cyclohexane

Concen: 1.54 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065034.D

Acq: 31 Jan 2020 15:21

Instrument :

MSVOA_D

ClientSampled :

TP-1-2

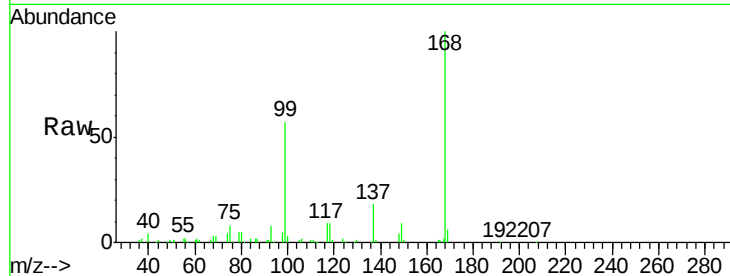
Tgt Ion: 56 Resp: 5386

Ion Ratio Lower Upper

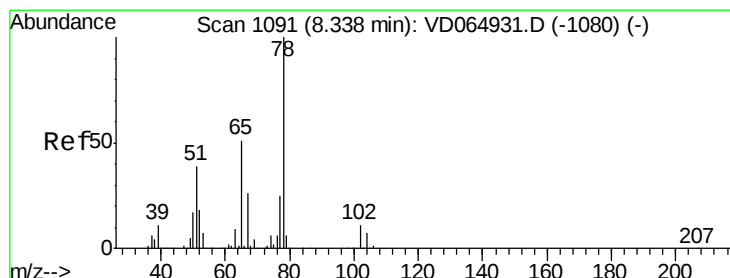
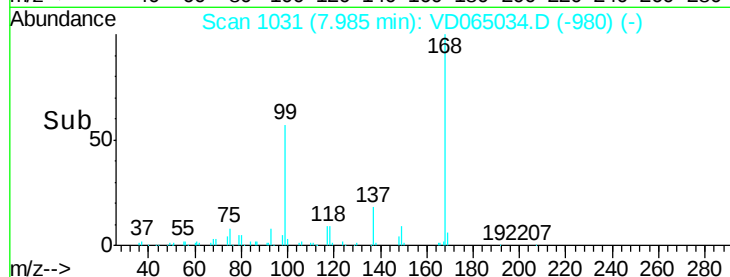
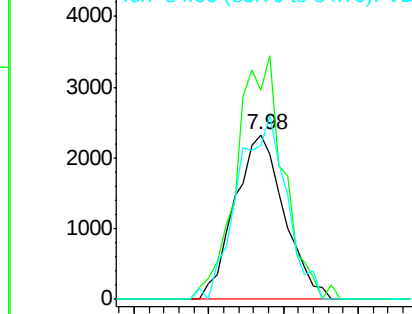
56 100

69 127.3 27.9 41.9#

84 93.5 72.8 109.2



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: 74.37 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065034.D

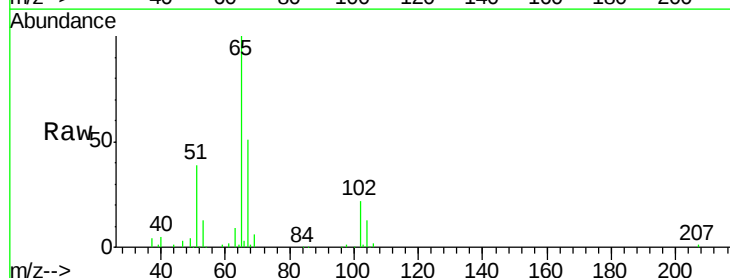
Acq: 31 Jan 2020 15:21

Tgt Ion: 65 Resp: 149707

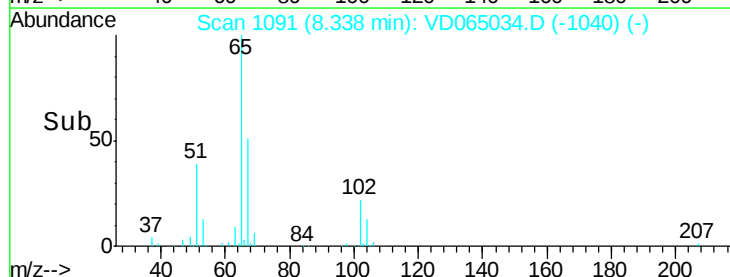
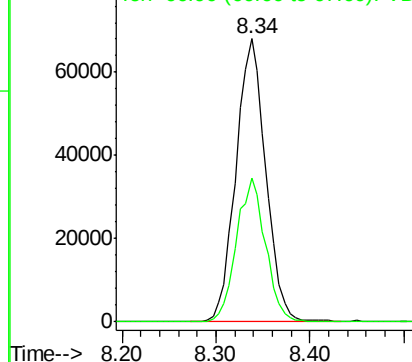
Ion Ratio Lower Upper

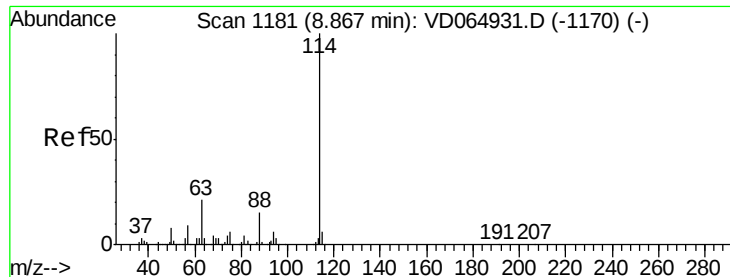
65 100

67 49.4 0.0 103.6



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

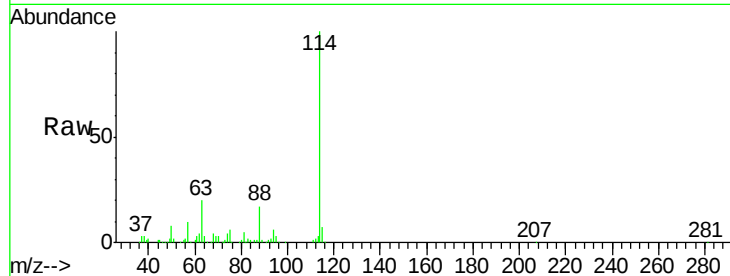




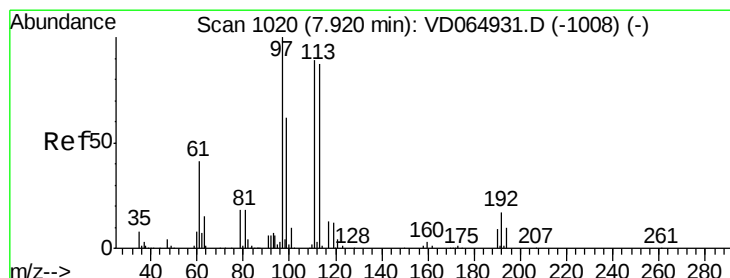
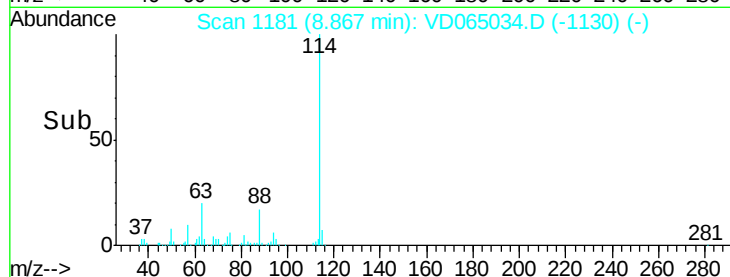
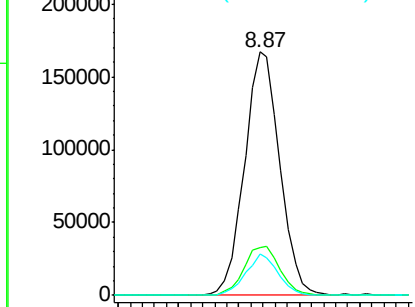
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065034.D
 Acq: 31 Jan 2020 15:21

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-2

Tgt Ion:114 Resp: 338611
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.0
 88 16.9 0.0 29.4

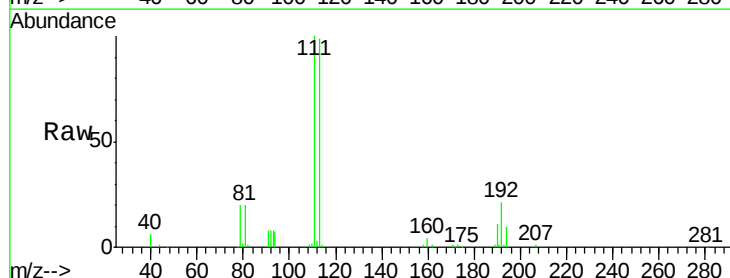


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

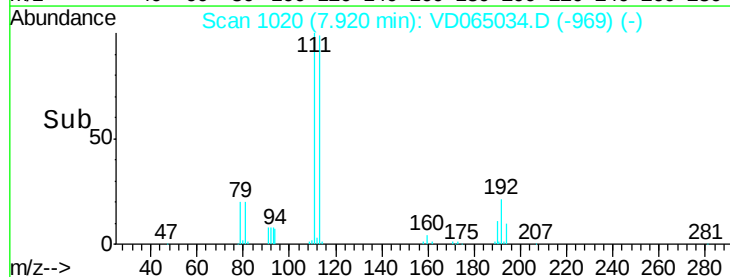
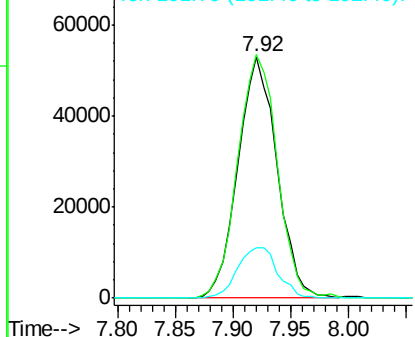


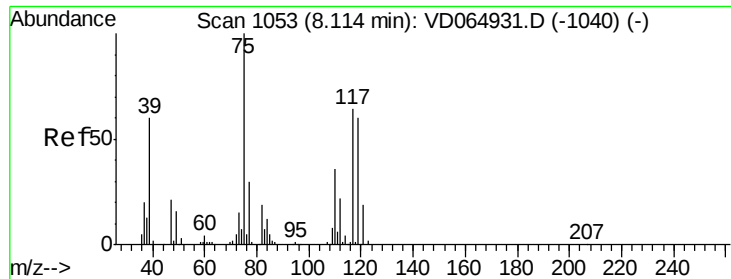
#35
 Dibromofluoromethane
 Concen: 58.62 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065034.D
 Acq: 31 Jan 2020 15:21

Tgt Ion:113 Resp: 124740
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 21.7 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

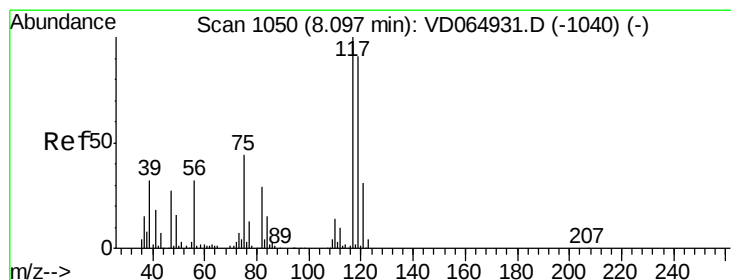
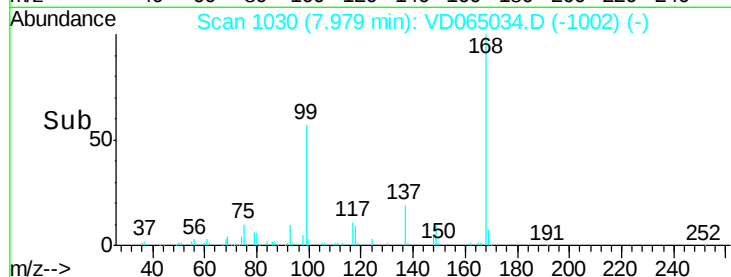
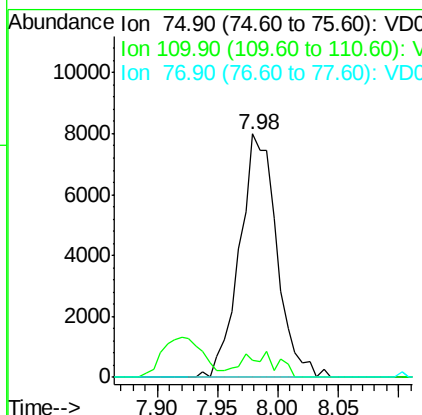
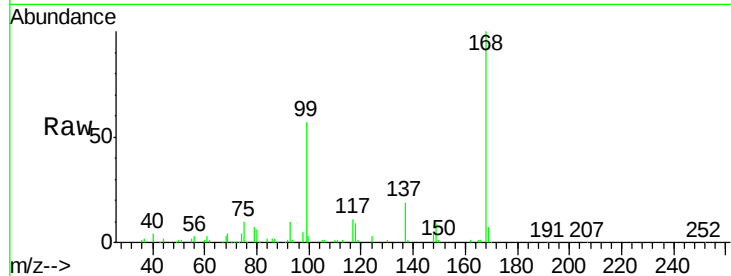




#36
 1,1-Dichloropropene
 Concen: 5.24 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065034.D
 Acq: 31 Jan 2020 15:21

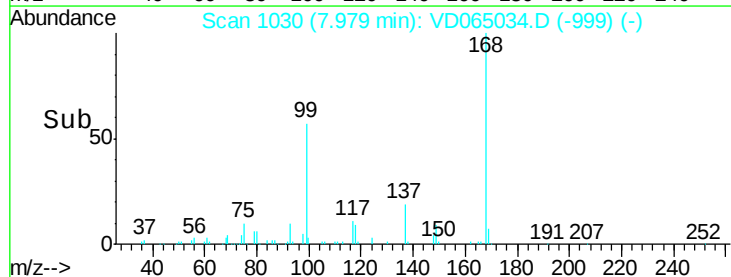
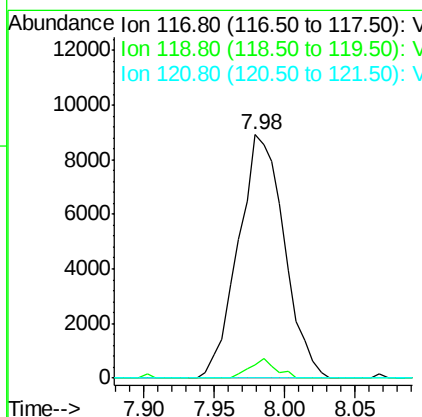
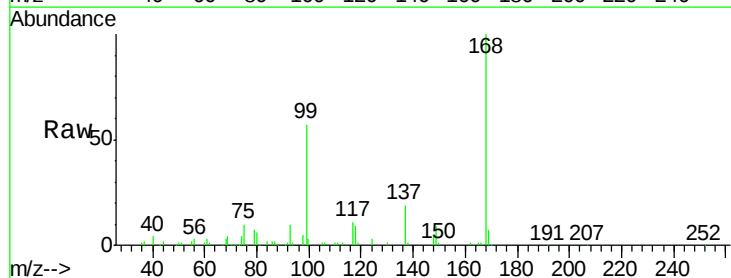
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-2

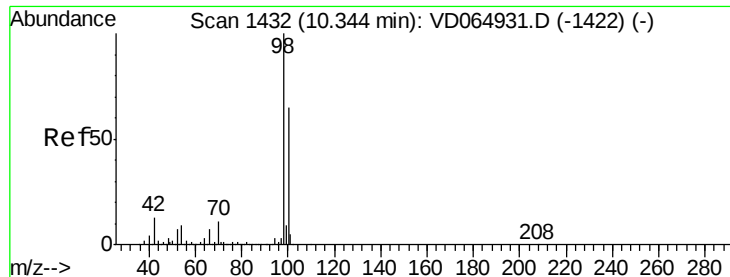
Tgt Ion: 75 Resp: 17119
 Ion Ratio Lower Upper
 75 100
 110 3.0 17.3 52.0#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.88 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065034.D
 Acq: 31 Jan 2020 15:21

Tgt Ion: 117 Resp: 20279
 Ion Ratio Lower Upper
 117 100
 119 5.5 73.2 109.8#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 50.39 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065034.D

Acq: 31 Jan 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

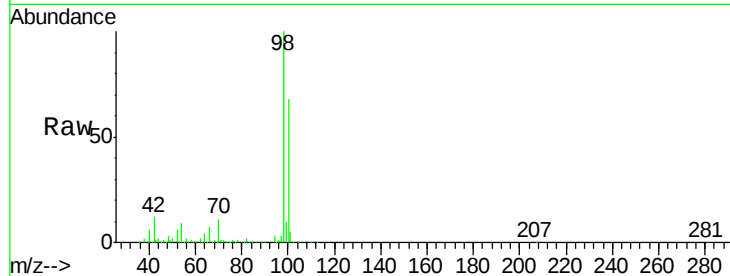
TP-1-2

Tgt Ion: 98 Resp: 413856

Ion Ratio Lower Upper

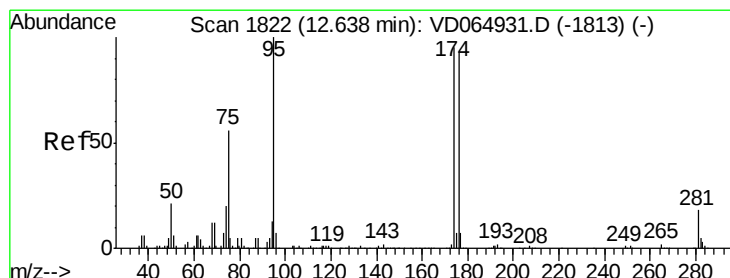
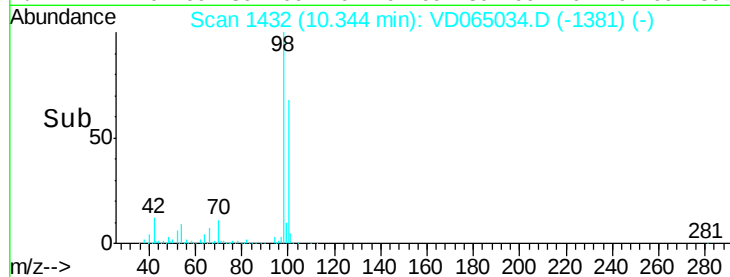
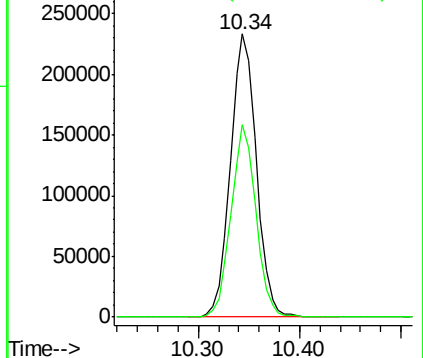
98 100

100 65.2 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: 61.51 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065034.D

Acq: 31 Jan 2020 15:21

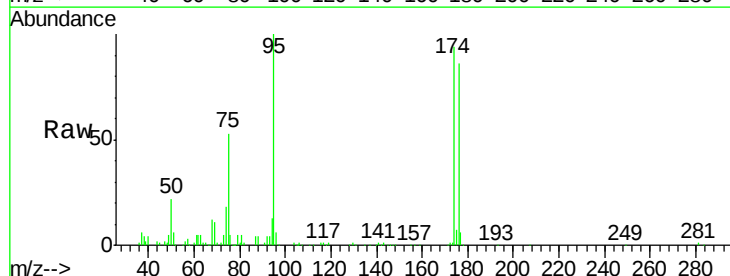
Tgt Ion: 95 Resp: 154605

Ion Ratio Lower Upper

95 100

174 92.5 0.0 186.8

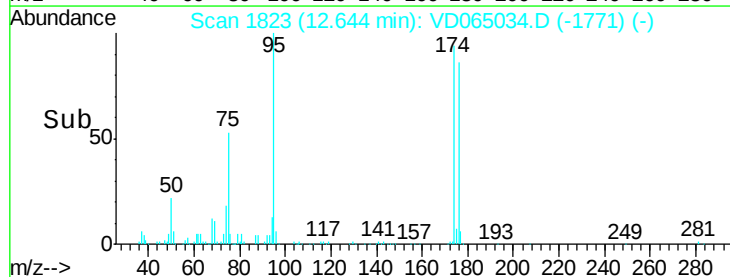
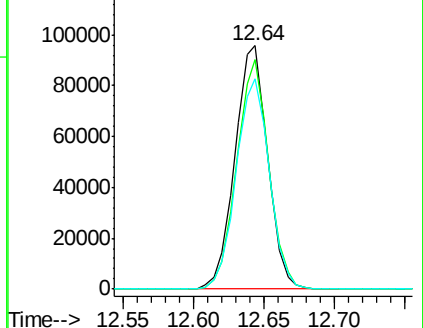
176 87.8 0.0 183.4

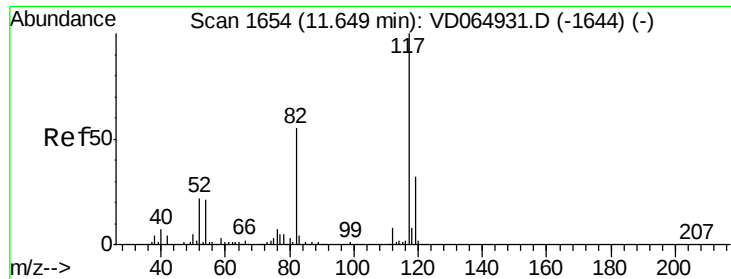


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

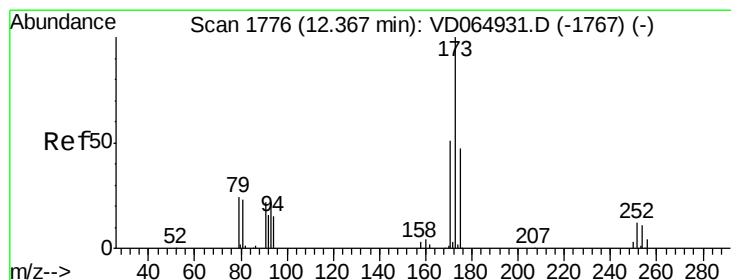
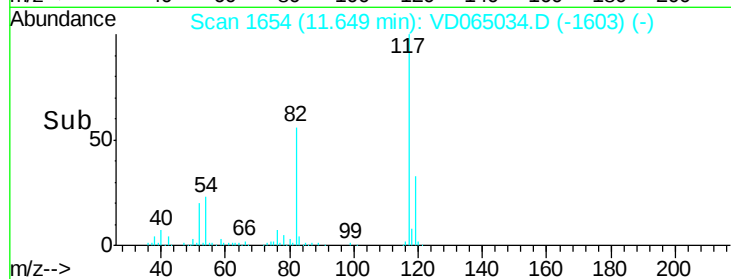
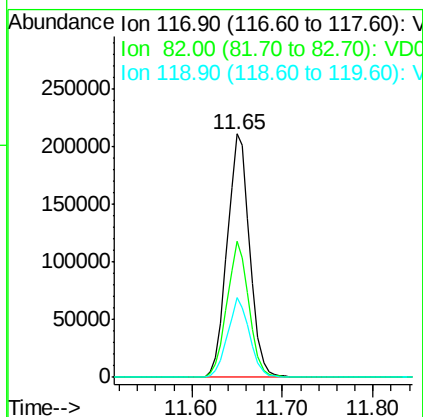
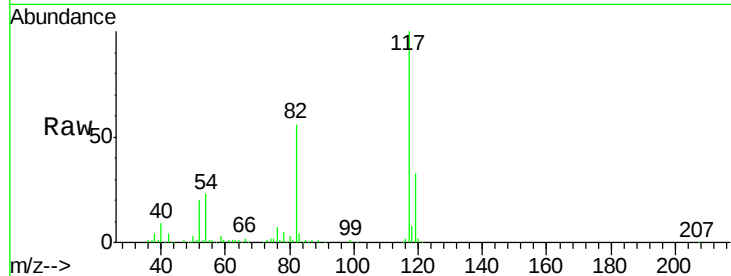




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065034.D
Acq: 31 Jan 2020 15:21

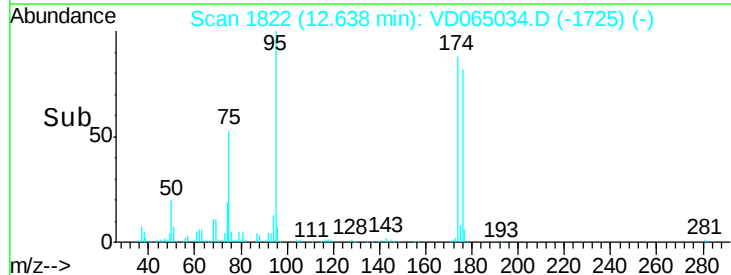
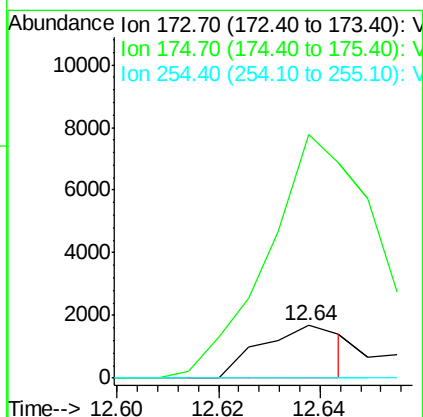
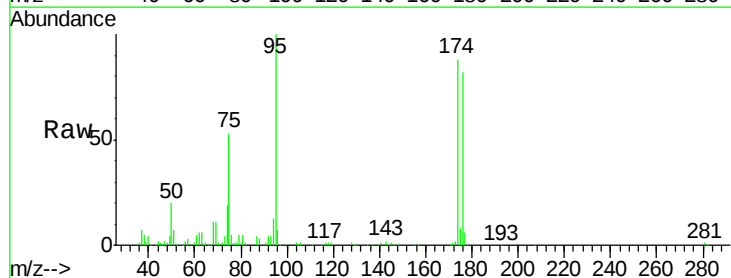
Instrument :
MSVOA_D
ClientSampleId :
TP-1-2

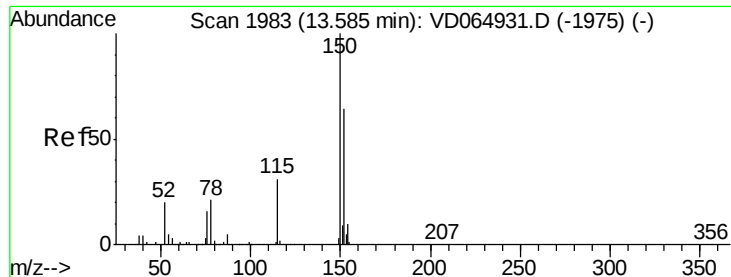
Tgt Ion:117 Resp: 362941
Ion Ratio Lower Upper
117 100
82 56.1 43.6 65.4
119 33.0 25.2 37.8



#71
Bromoform
Concen: 1.21 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065034.D
Acq: 31 Jan 2020 15:21

Tgt Ion:173 Resp: 1861
Ion Ratio Lower Upper
173 100
175 444.8 24.6 73.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065034.D

Acq: 31 Jan 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

TP-1-2

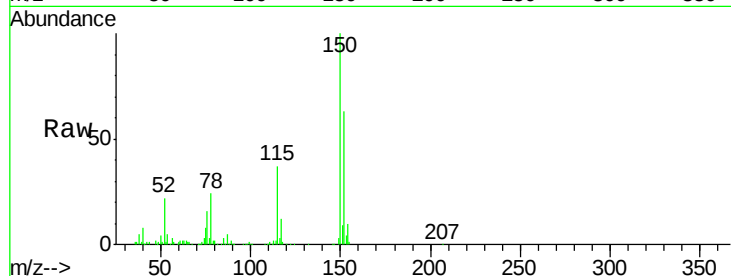
Tgt Ion: 152 Resp: 182486

Ion Ratio Lower Upper

152 100

115 55.7 28.1 84.4

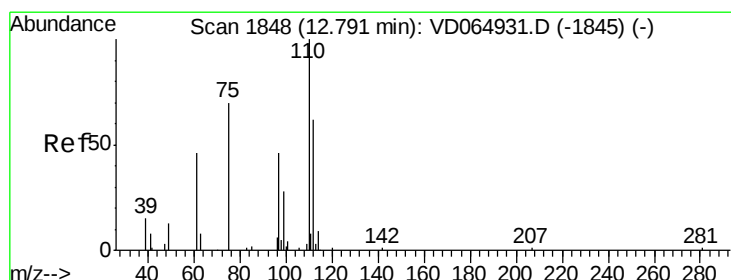
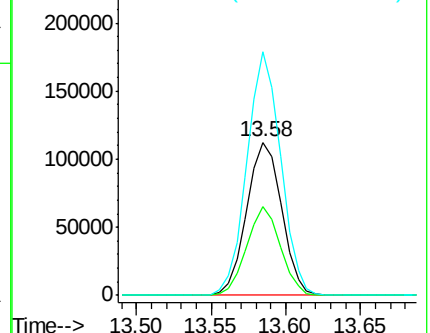
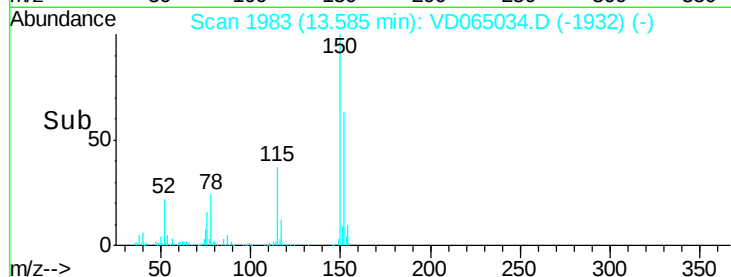
150 153.6 0.0 350.4



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: 56.25 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065034.D

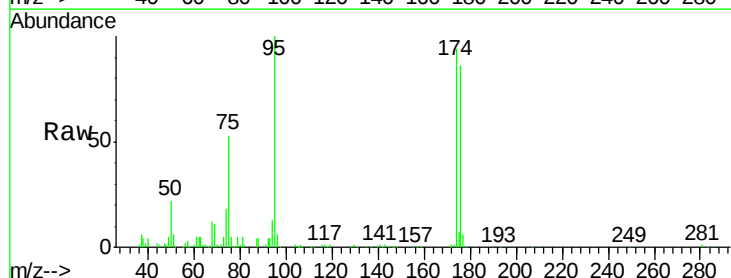
Acq: 31 Jan 2020 15:21

Tgt Ion: 75 Resp: 85204

Ion Ratio Lower Upper

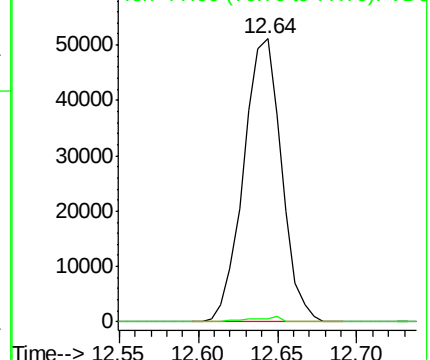
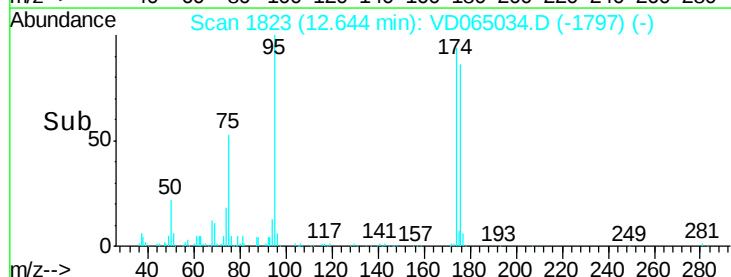
75 100

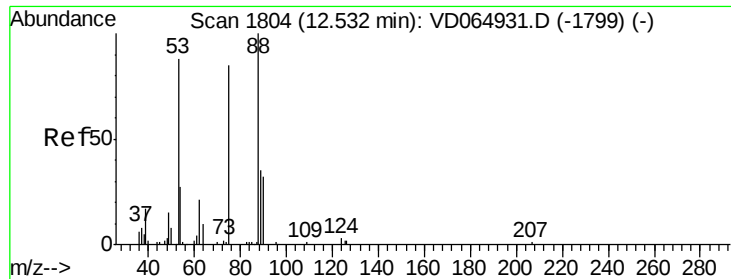
77 1.3 0.0 0.0#



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: 120.11 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065034.D

Acq: 31 Jan 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

TP-1-2

Tgt Ion: 75 Resp: 85204

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.0 36.2 54.4#

