

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD022820\
 Data File : VD065352.D
 Acq On : 28 Feb 2020 11:02
 Operator : VA/SY
 Sample : VD0228SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBL01

Quant Time: Feb 28 15:34:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	597818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	975040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	872421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	392875	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	279096	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
35) Dibromofluoromethane	7.92	113	303660	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.34	98	1157962	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.64	95	347411	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

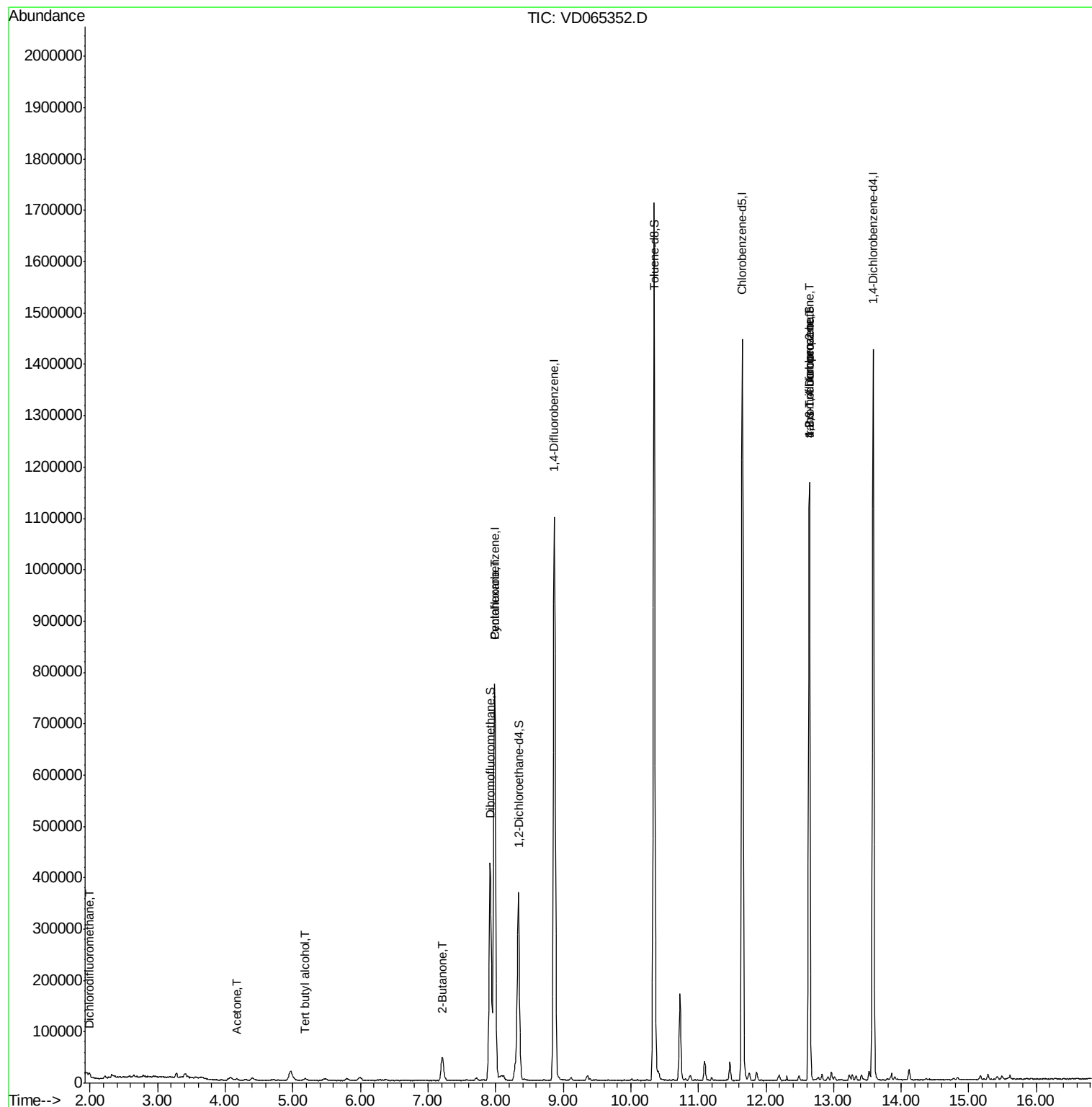
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	5146	1.03	ug/l	97
11) Tert butyl alcohol	5.19	59	3249	10.11	ug/l #	72
13) Acrolein	3.92	56	210	Below Cal	#	68
16) Acetone	4.17	43	4350	3.31	ug/l	97
20) Methylene Chloride	4.97	84	13137	Below Cal		97
25) 2-Butanone	7.21	43	3231	1.94	ug/l	94
31) Cyclohexane	7.99	56	14655	1.39	ug/l #	33
76) 1,2,3-Trichloropropane	12.64	75	172823	51.70	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	172823	111.63	ug/l #	11

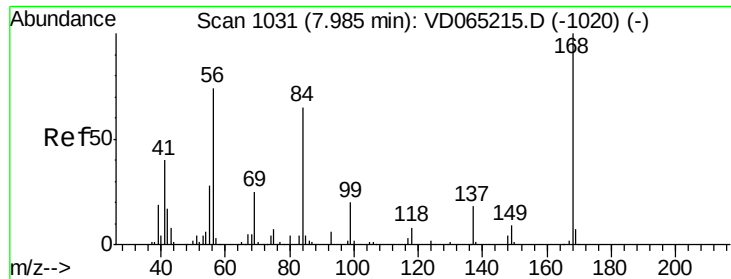
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 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: VD065352.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

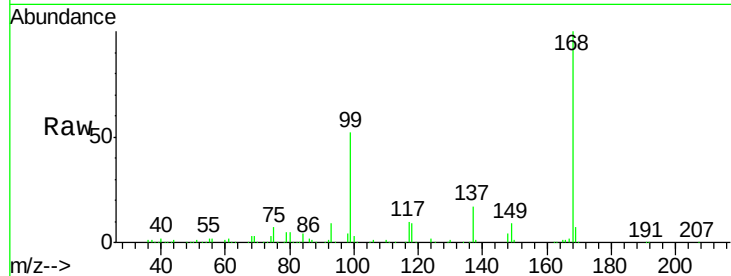
VD0228SBL01

Tgt Ion:168 Resp: 597818

Ion Ratio Lower Upper

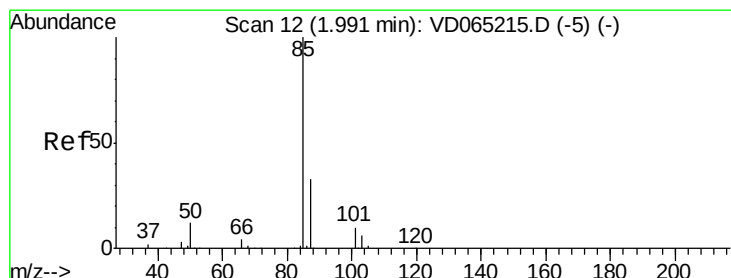
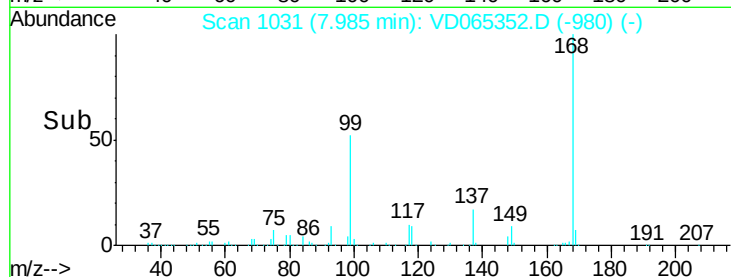
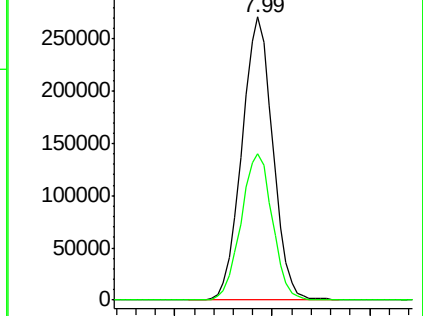
168 100

99 51.5 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.03 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065352.D

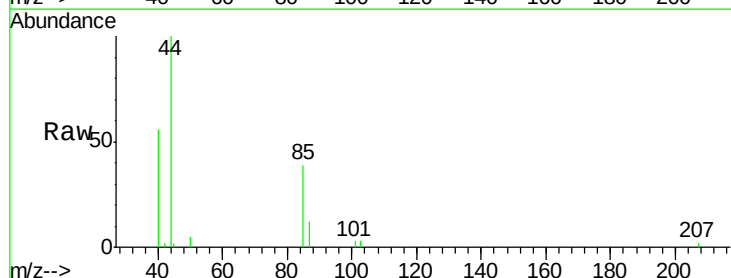
Acq: 28 Feb 2020 11:02

Tgt Ion: 85 Resp: 5146

Ion Ratio Lower Upper

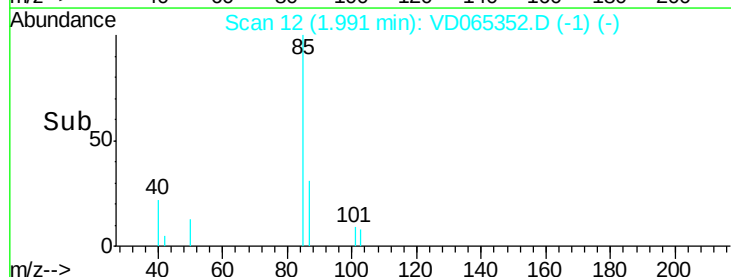
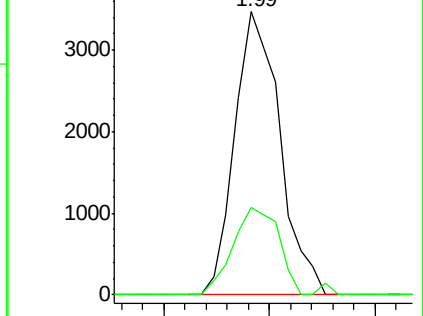
85 100

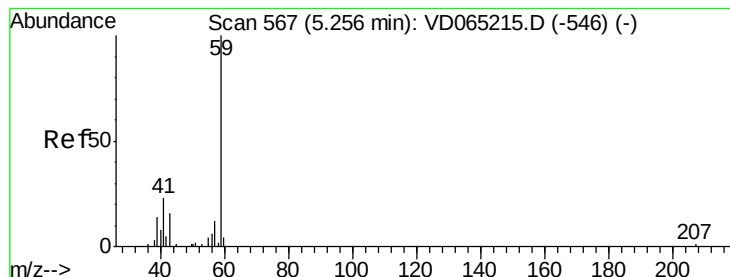
87 30.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#11

Tert butyl alcohol

Concen: 10.11 ug/l

RT: 5.19 min Scan# 555

Delta R.T. -0.07 min

Lab File: VD065352.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

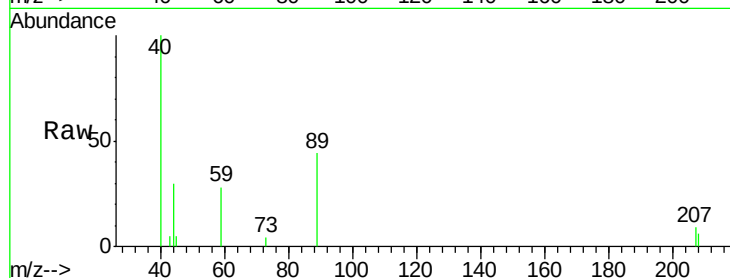
VD0228SBL01

Tgt Ion: 59 Resp: 3249

Ion Ratio Lower Upper

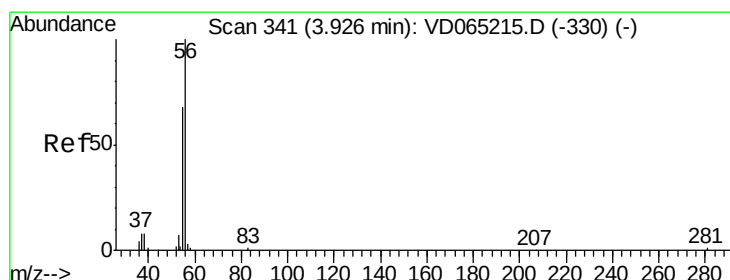
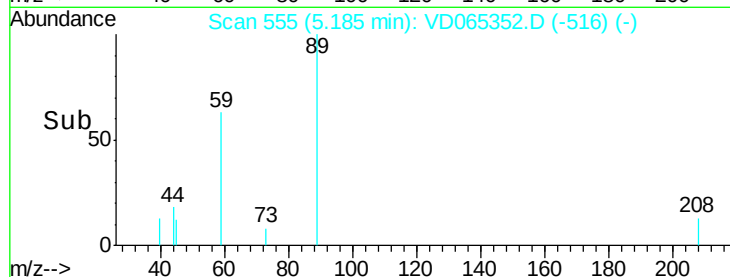
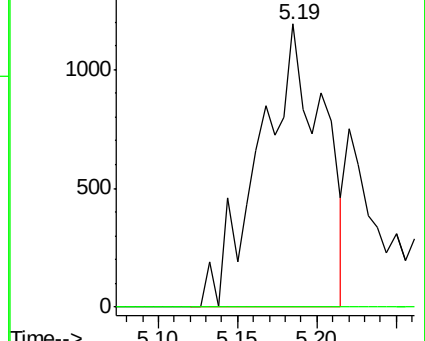
59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#13

Acrolein

Concen: Below Cal

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065352.D

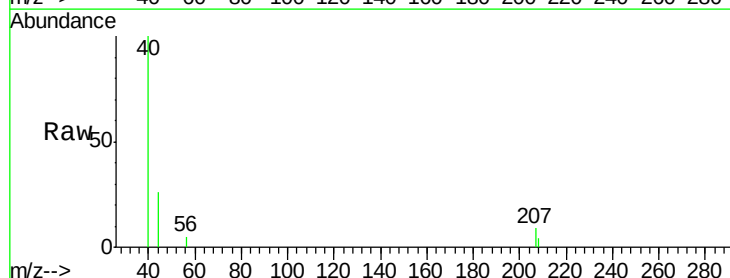
Acq: 28 Feb 2020 11:02

Tgt Ion: 56 Resp: 210

Ion Ratio Lower Upper

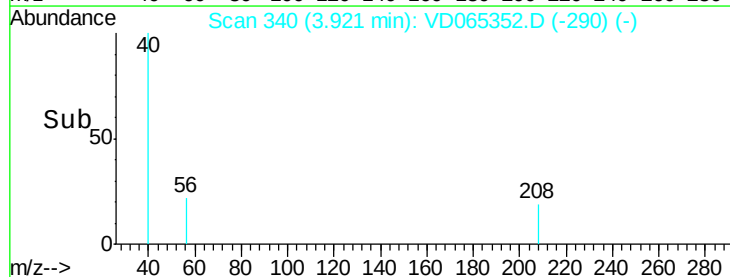
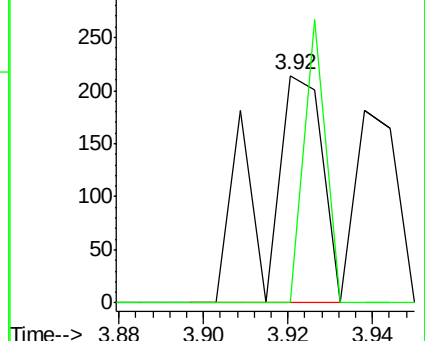
56 100

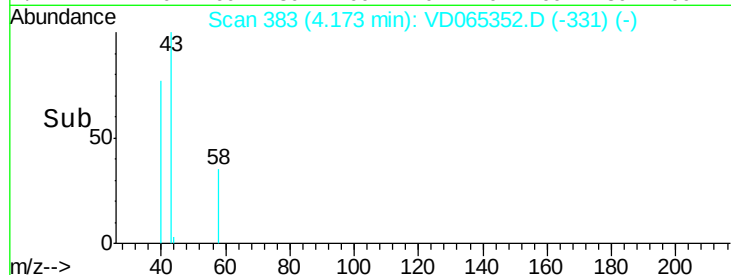
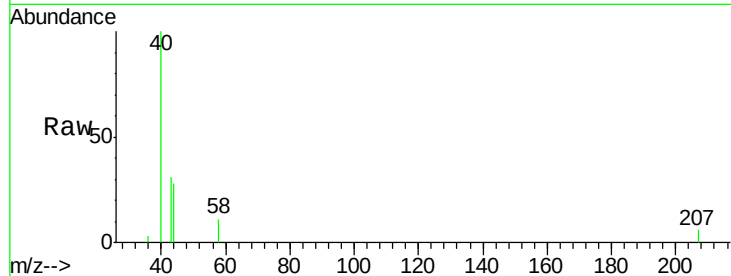
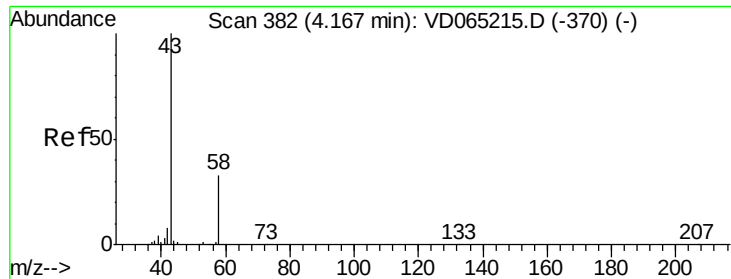
55 44.8 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 3.31 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065352.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

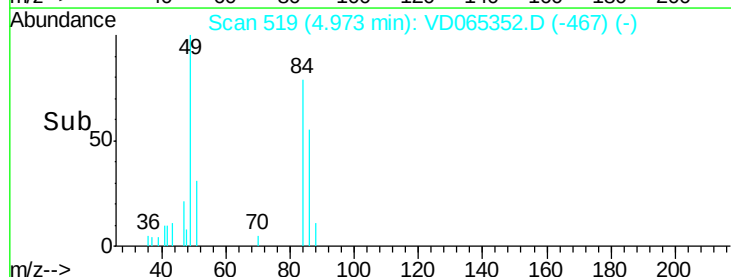
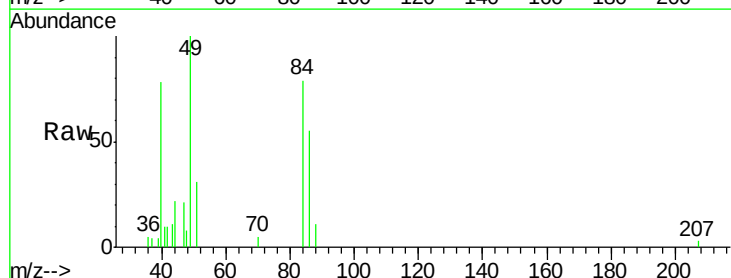
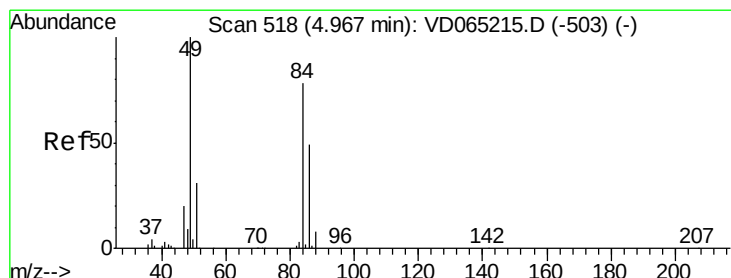
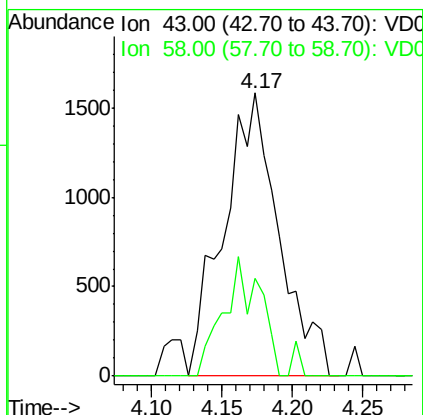
VD0228SBL01

Tgt Ion: 43 Resp: 4350

Ion Ratio Lower Upper

43 100

58 34.5 26.2 39.2



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065352.D

Acq: 28 Feb 2020 11:02

Tgt Ion: 84 Resp: 13137

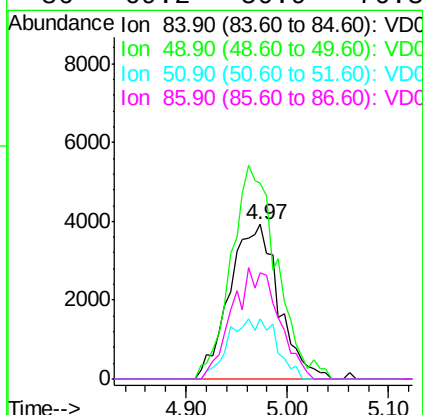
Ion Ratio Lower Upper

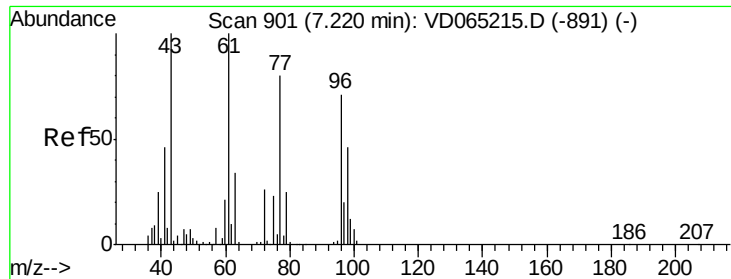
84 100

49 126.8 103.1 154.7

51 39.4 31.7 47.5

86 69.2 50.9 76.3





#25

2-Butanone

Concen: 1.94 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065352.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

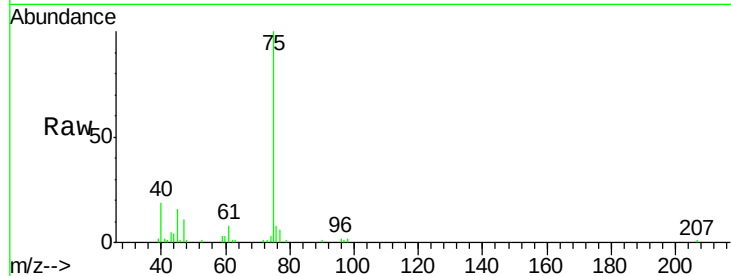
VD0228SBL01

Tgt Ion: 43 Resp: 3231

Ion Ratio Lower Upper

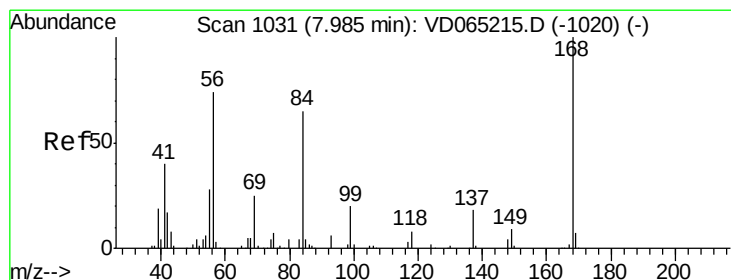
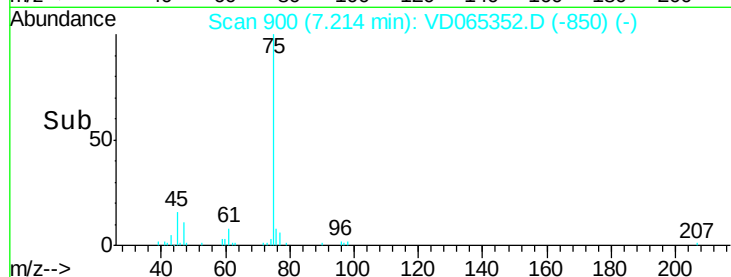
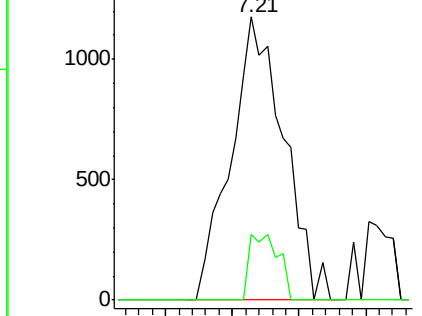
43 100

72 23.1 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.39 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065352.D

Acq: 28 Feb 2020 11:02

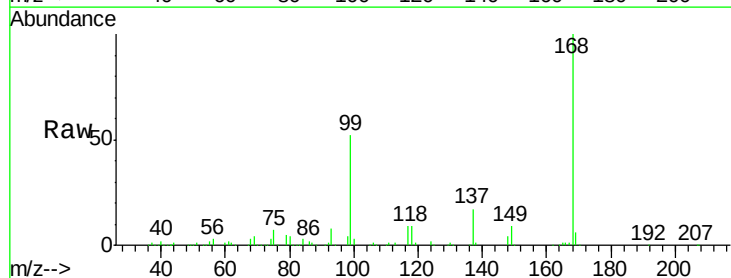
Tgt Ion: 56 Resp: 14655

Ion Ratio Lower Upper

56 100

69 135.7 27.4 41.0#

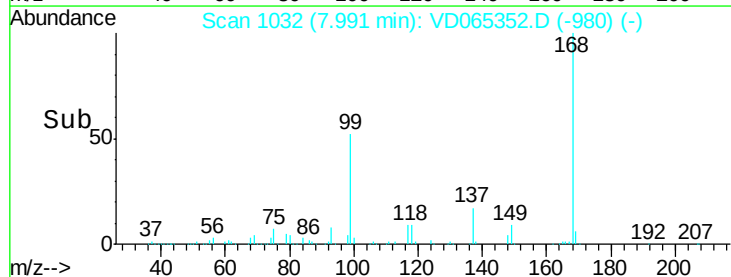
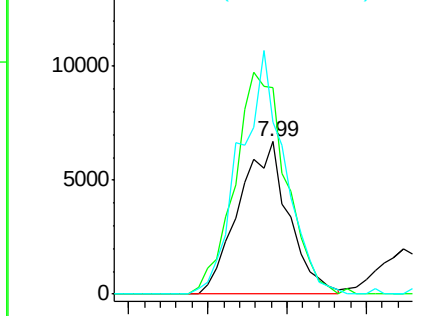
84 112.8 71.1 106.7#

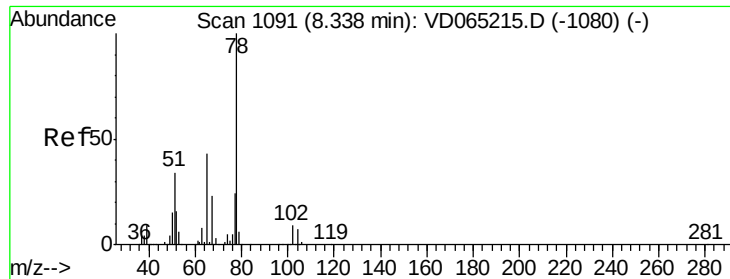


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

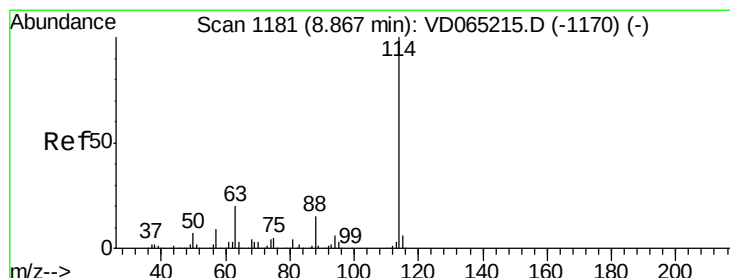
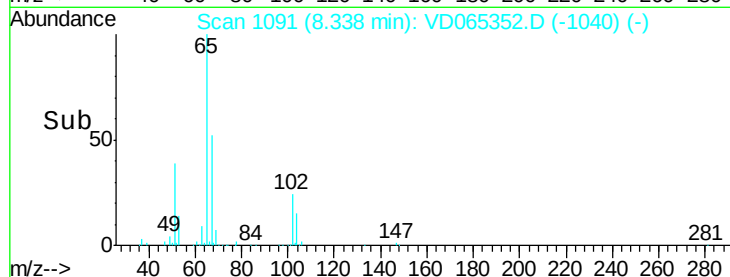
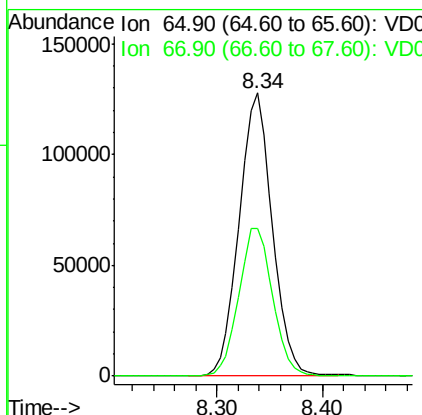
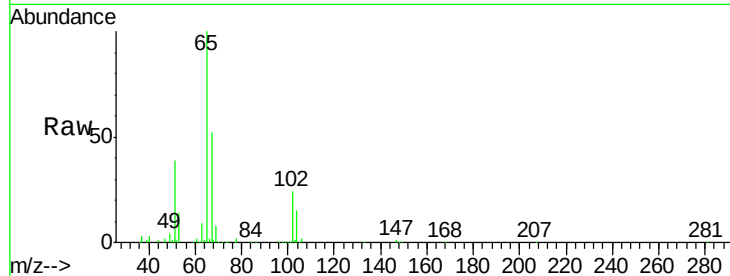




#33
 1,2-Dichloroethane-d4
 Concen: 51.90 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065352.D
 Acq: 28 Feb 2020 11:02

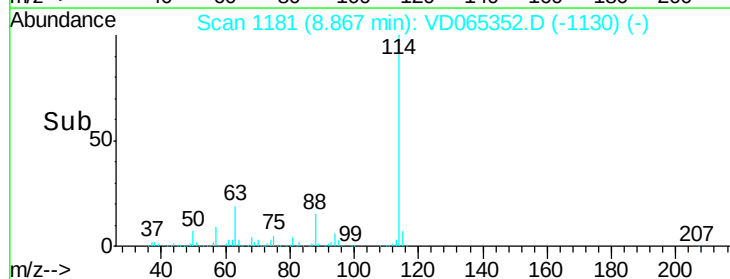
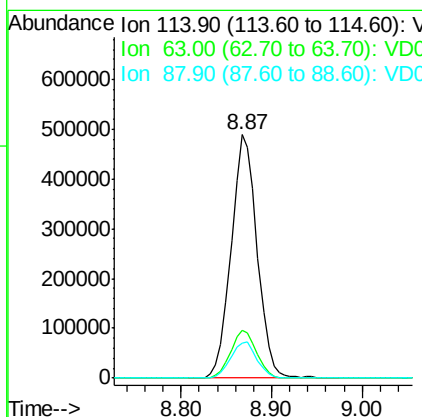
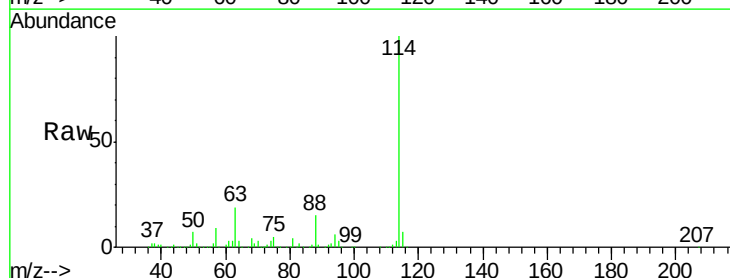
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBL01

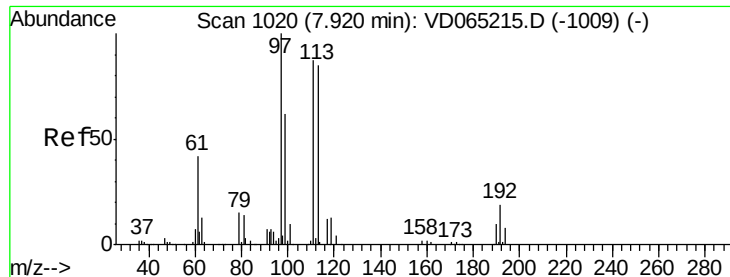
Tgt Ion: 65 Resp: 279096
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065352.D
 Acq: 28 Feb 2020 11:02

Tgt Ion: 114 Resp: 975040
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.4
 88 14.5 0.0 30.4

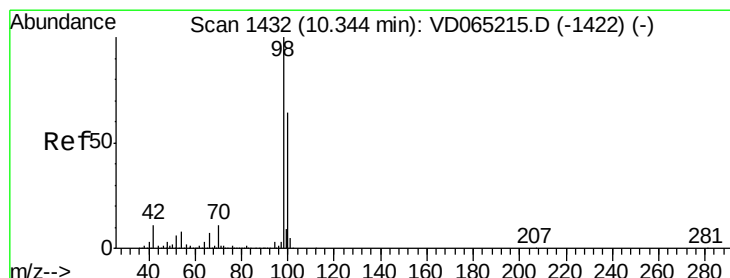
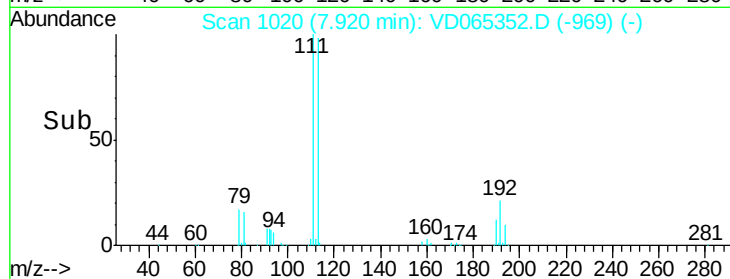
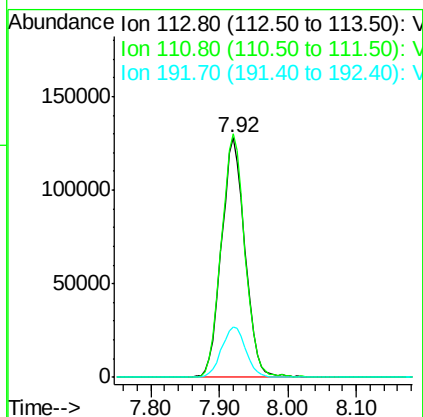
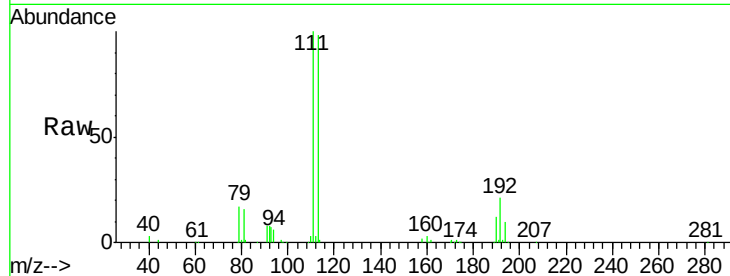




#35
 Dibromofluoromethane
 Concen: 51.08 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065352.D
 Acq: 28 Feb 2020 11:02

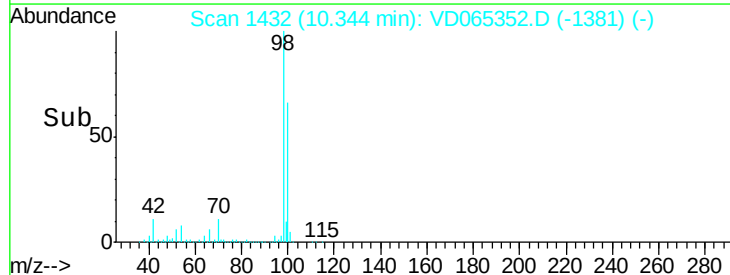
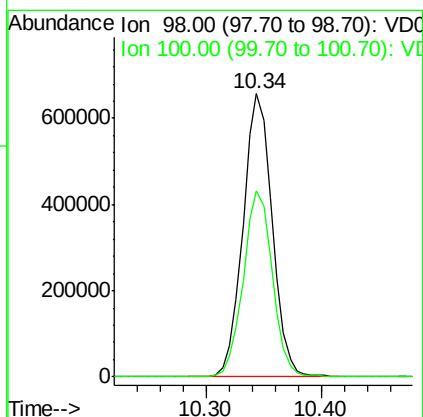
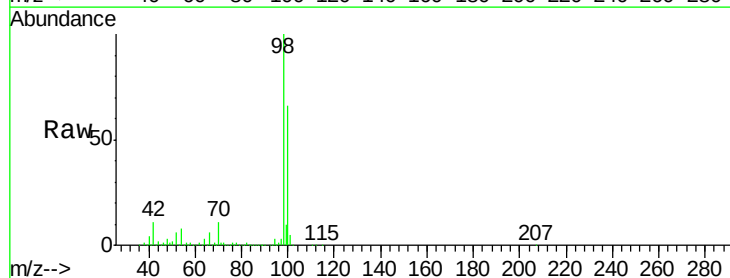
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBL01

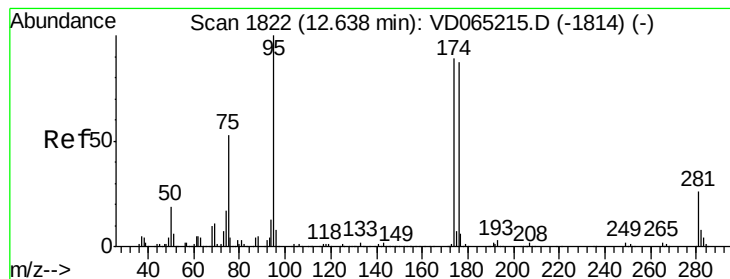
Tgt Ion: 113 Resp: 303660
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.9 124.3
 192 21.7 17.3 25.9



#50
 Toluene-d8
 Concen: 50.95 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065352.D
 Acq: 28 Feb 2020 11:02

Tgt Ion: 98 Resp: 1157962
 Ion Ratio Lower Upper
 98 100
 100 65.9 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 48.25 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065352.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBL01

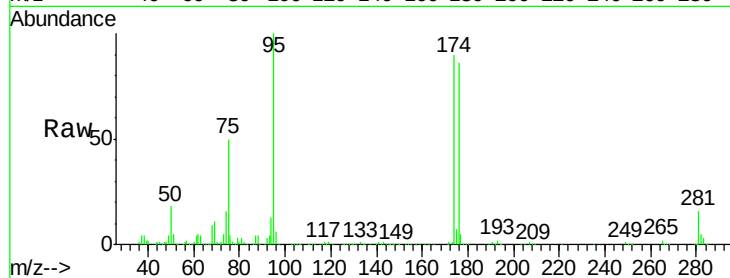
Tgt Ion: 95 Resp: 347411

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.0

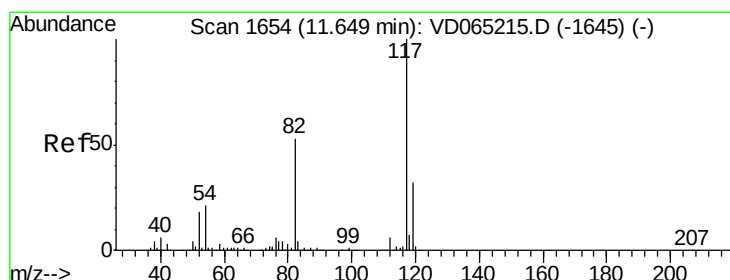
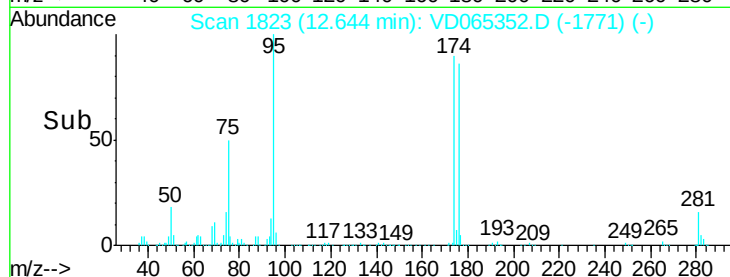
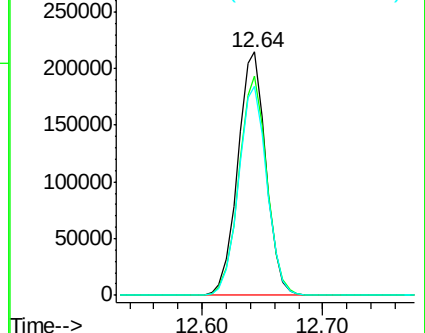
176 86.5 0.0 174.4



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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065352.D

Acq: 28 Feb 2020 11:02

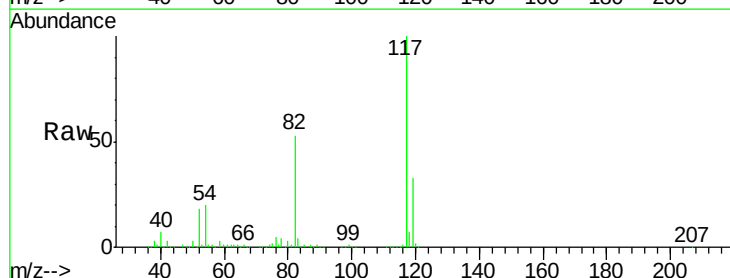
Tgt Ion: 117 Resp: 872421

Ion Ratio Lower Upper

117 100

82 52.8 42.7 64.1

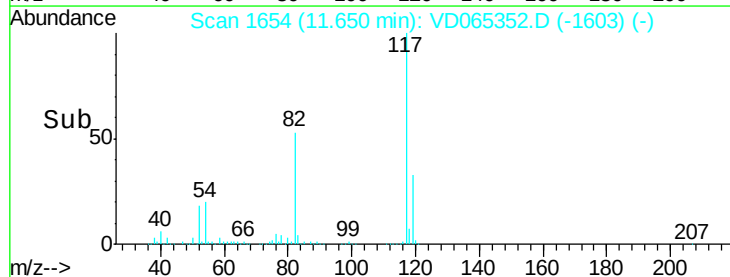
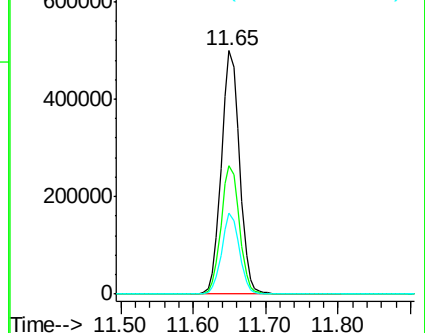
119 33.2 25.5 38.3

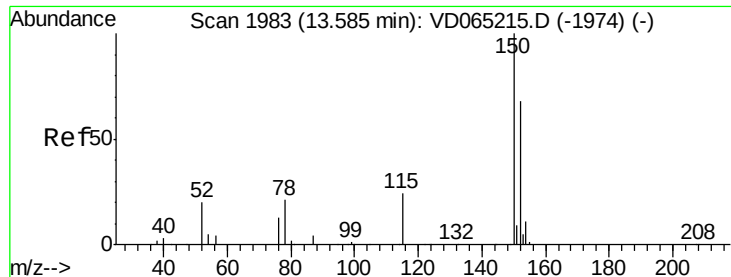


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065352.D

Acq: 28 Feb 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBL01

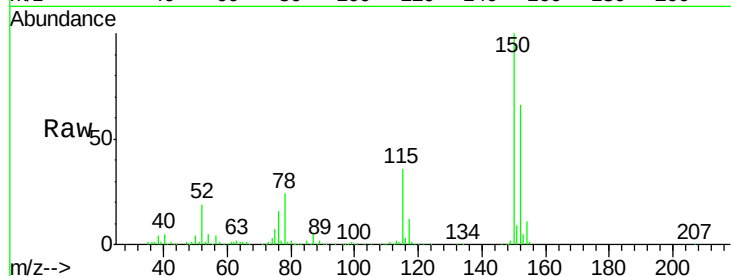
Tgt Ion:152 Resp: 392875

Ion Ratio Lower Upper

152 100

115 55.9 27.6 82.8

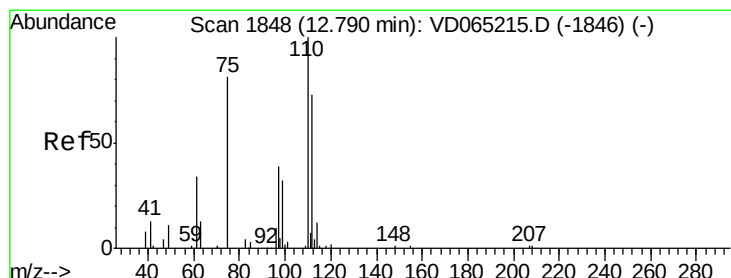
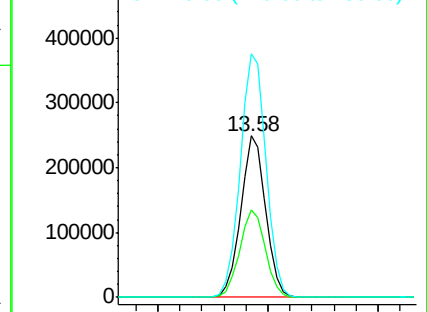
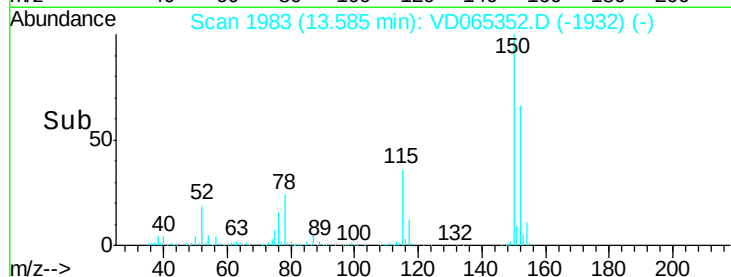
150 156.6 0.0 347.4



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: 51.70 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065352.D

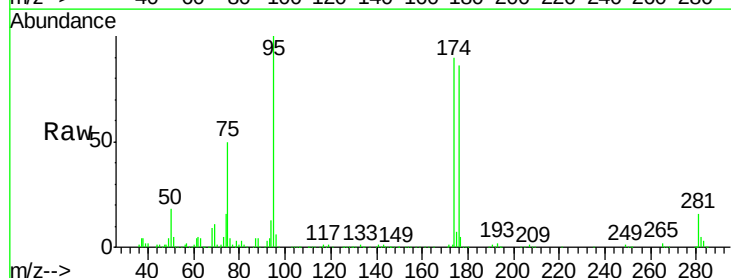
Acq: 28 Feb 2020 11:02

Tgt Ion: 75 Resp: 172823

Ion Ratio Lower Upper

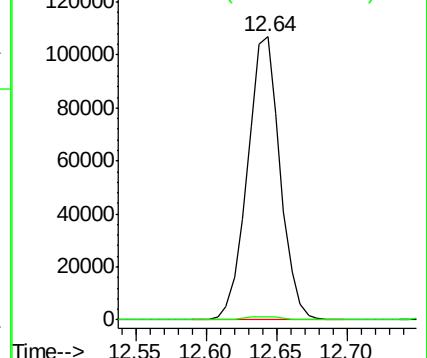
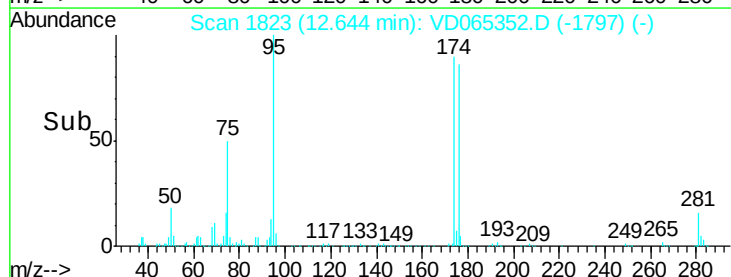
75 100

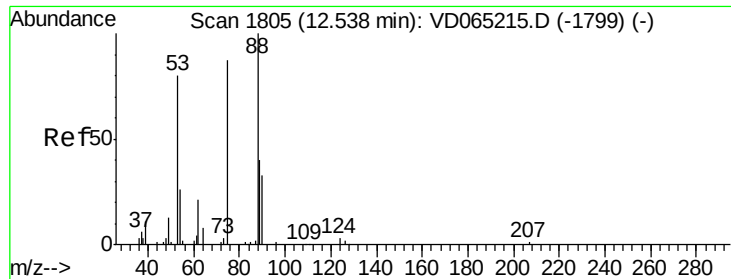
77 1.3 0.0 0.0#



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: 111.63 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.11 min
 Lab File: VD065352.D
 Acq: 28 Feb 2020 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBL01

Tgt Ion: 75 Resp: 172823
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.2 37.2 55.8#

