

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022820\
 Data File : VD065360.D
 Acq On : 28 Feb 2020 15:50
 Operator : VA/SY
 Sample : L1740-07
 Misc : 6.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-13-022720

Quant Time: Feb 28 21:56:11 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	7.98	168	540588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	894976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	141554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	277466	57.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.10%	
35) Dibromofluoromethane	7.92	113	292044	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
50) Toluene-d8	10.34	98	1044841	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.64	95	192289	29.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.20%	

Target Compounds

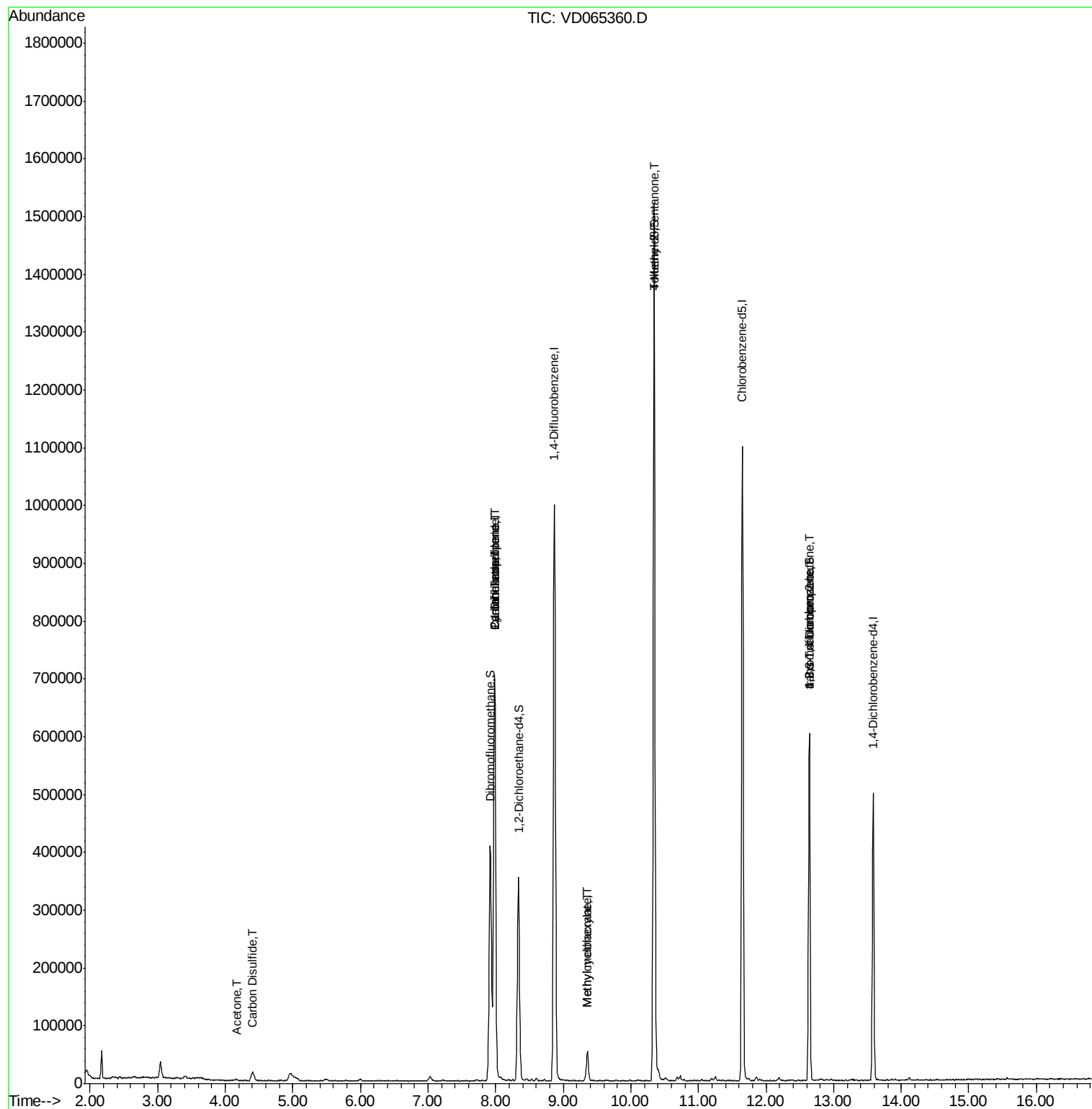
					Qvalue	
13) Acrolein	4.14	56	80	Below Cal	#	14
16) Acetone	4.17	43	2948	2.480	ug/l #	86
17) Carbon Disulfide	4.41	76	32528	1.936	ug/l	99
20) Methylene Chloride	4.98	84	8613	Below Cal	#	79
31) Cyclohexane	7.98	56	20564	2.151	ug/l #	32
36) 1,1-Dichloropropene	7.98	75	39562	4.543	ug/l #	50
38) Carbon Tetrachloride	7.98	117	50011	5.642	ug/l #	16
39) Methylcyclohexane	9.36	83	19309	1.886	ug/l	98
48) Methyl methacrylate	9.36	41	9729	3.179	ug/l #	74
51) 4-Methyl-2-Pentanone	10.34	43	4381	1.303	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	94706	78.634	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	94706	169.786	ug/l #	11

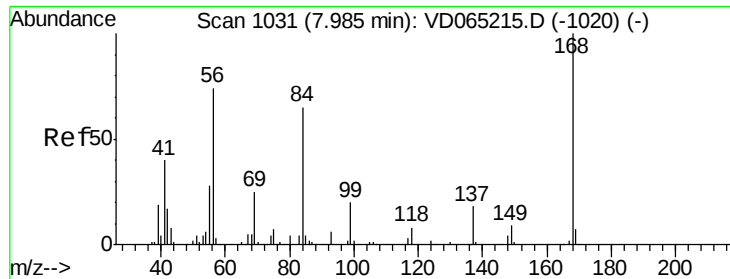
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampled :
GP-13-022720

Quant Time: Feb 28 21:56:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 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: VD065360.D

Acq: 28 Feb 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

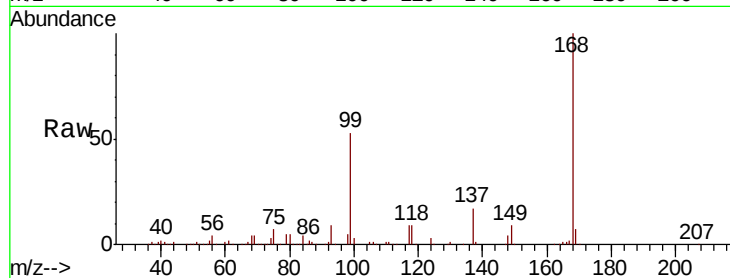
GP-13-022720

Tot Ion:168 Resp: 540588

Ion Ratio Lower Upper

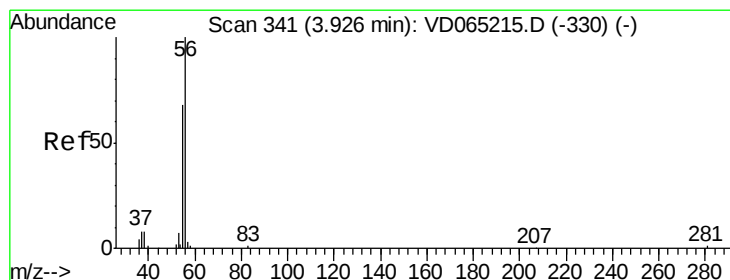
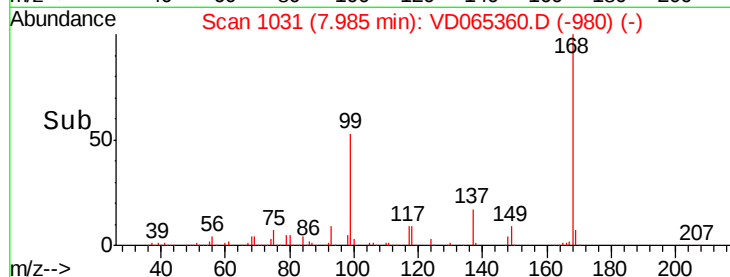
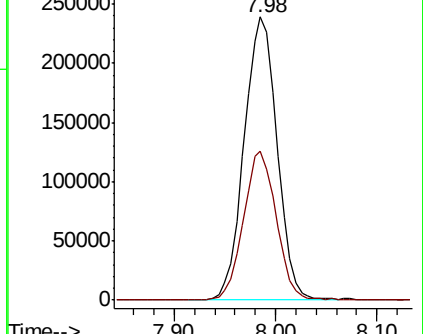
168 100

99 52.6 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: Below Cal

RT: 4.14 min Scan# 377

Delta R.T. 0.21 min

Lab File: VD065360.D

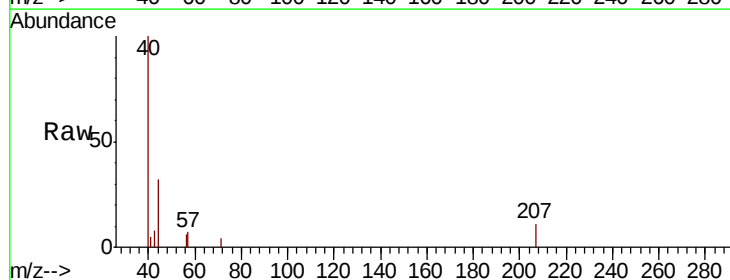
Acq: 28 Feb 2020 15:50

Tgt Ion: 56 Resp: 80

Ion Ratio Lower Upper

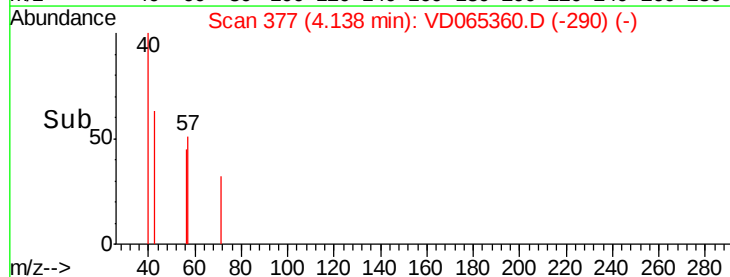
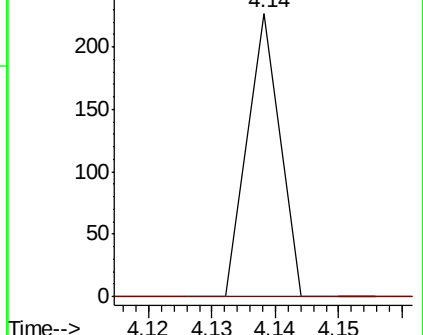
56 100

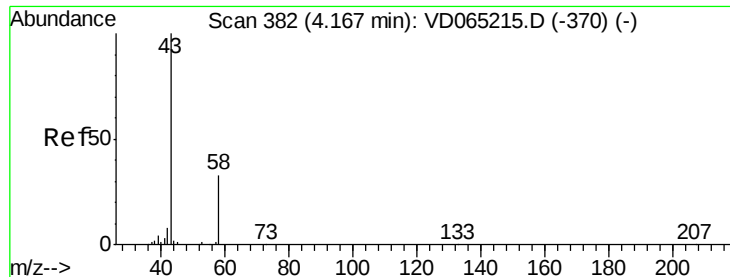
55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 2.480 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065360.D

Acq: 28 Feb 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

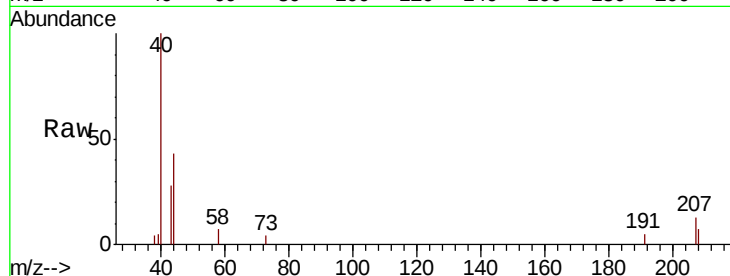
GP-13-022720

Tot Ion: 43 Resp: 2948

Ion Ratio Lower Upper

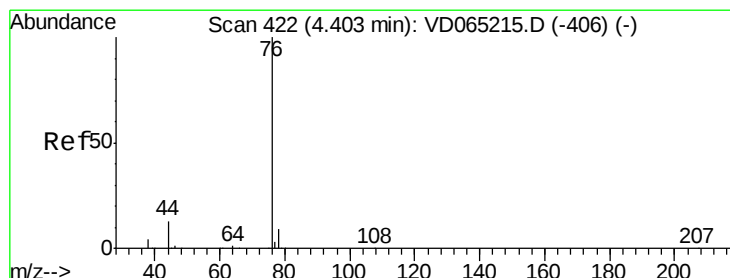
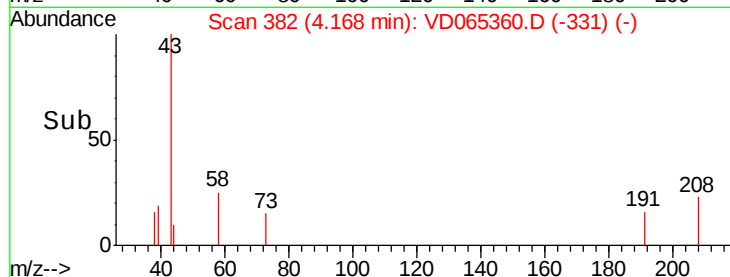
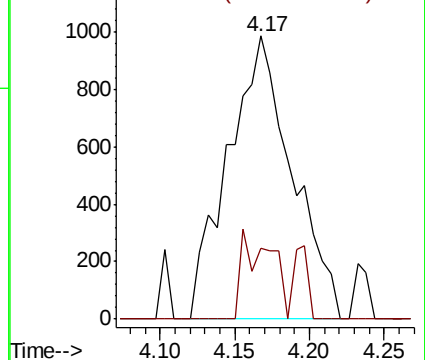
43 100

58 24.8 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 1.936 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD065360.D

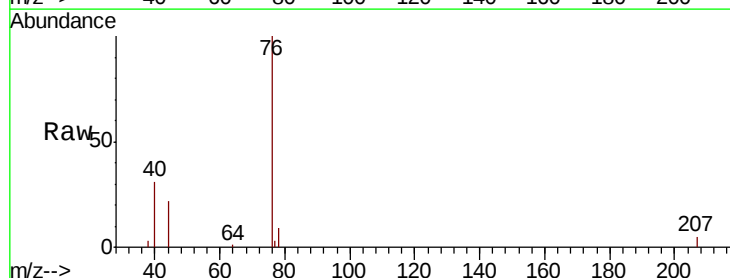
Acq: 28 Feb 2020 15:50

Tgt Ion: 76 Resp: 32528

Ion Ratio Lower Upper

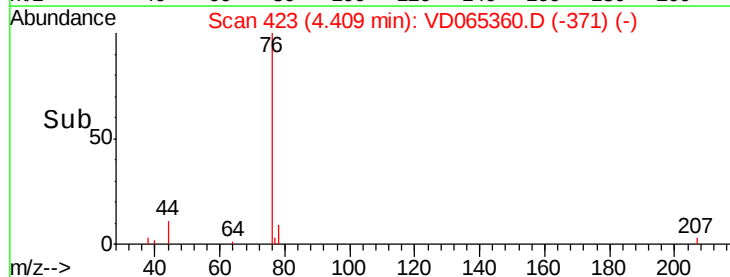
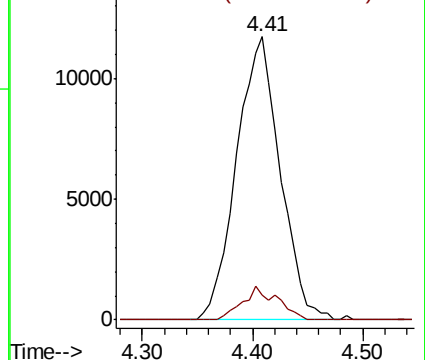
76 100

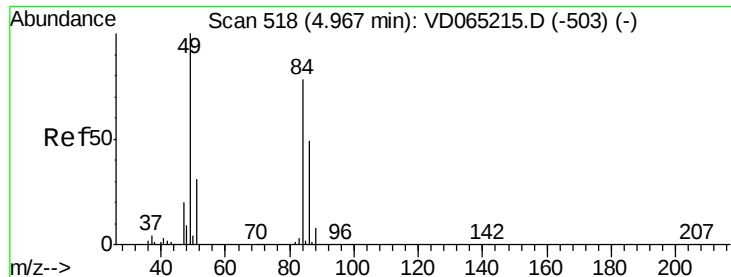
78 8.6 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

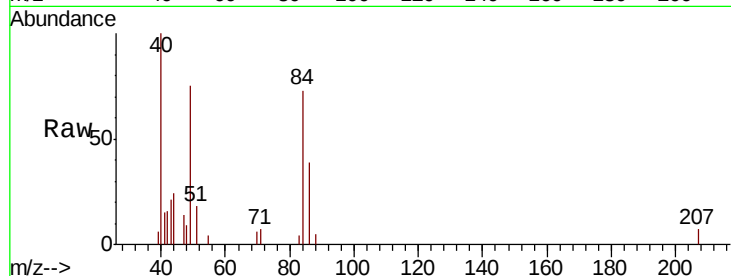




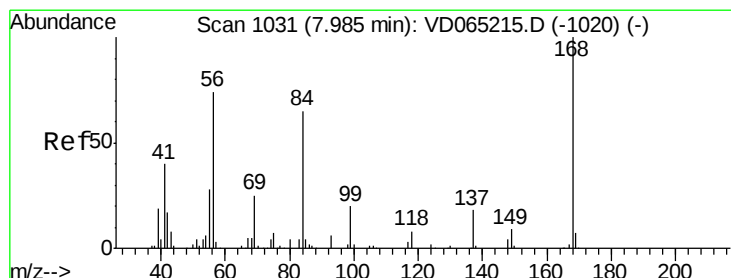
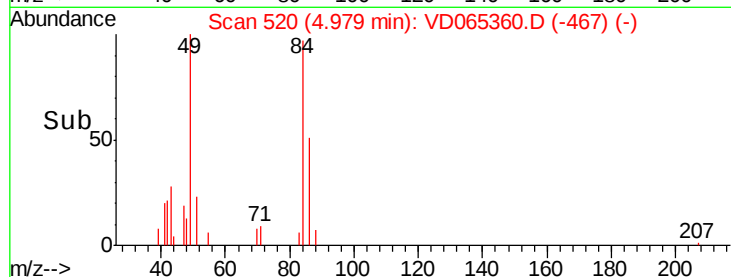
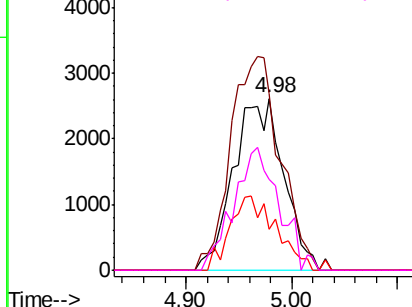
#20
Methylene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.01 min
Lab File: VD065360.D
Acq: 28 Feb 2020 15:50

Instrument :
MSVOA_D
ClientSampleId :
GP-13-022720

Tot Ion: 84 Resp: 8613
Ion Ratio Lower Upper
84 100
49 102.6 103.1 154.7#
51 24.0 31.7 47.5#
86 52.7 50.9 76.3

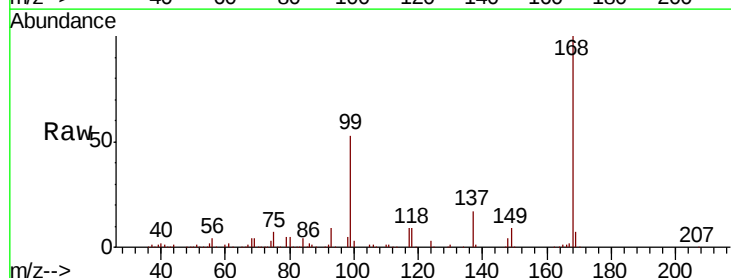


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

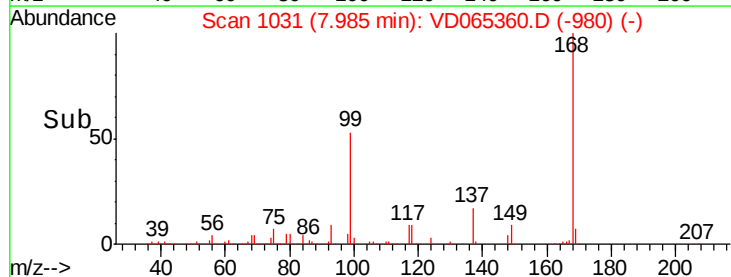
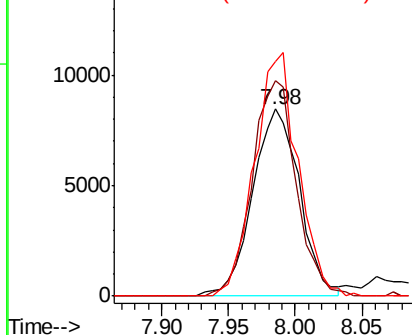


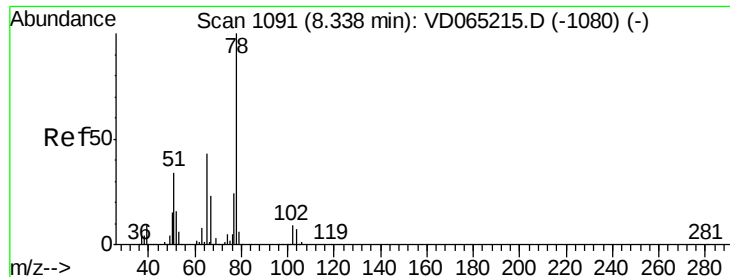
#31
Cyclohexane
Concen: 2.151 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065360.D
Acq: 28 Feb 2020 15:50

Tgt Ion: 56 Resp: 20564
Ion Ratio Lower Upper
56 100
69 115.6 27.4 41.0#
84 125.6 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: 57.054 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065360.D

Acq: 28 Feb 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

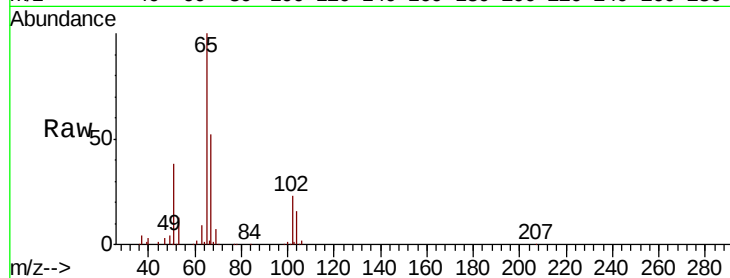
GP-13-022720

Tot Ion: 65 Resp: 277466

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

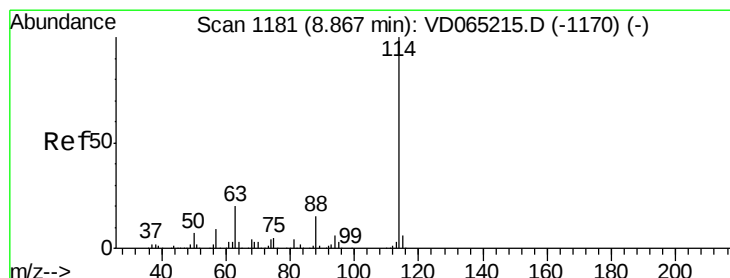
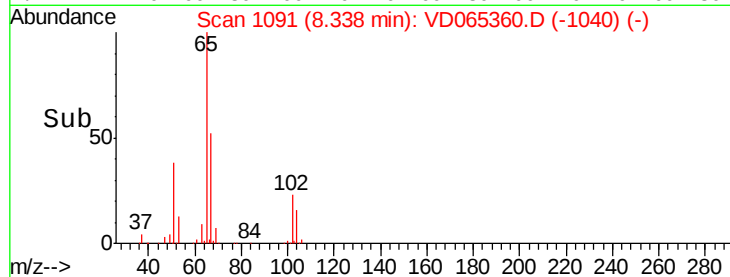
150000

100000

50000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065360.D

Acq: 28 Feb 2020 15:50

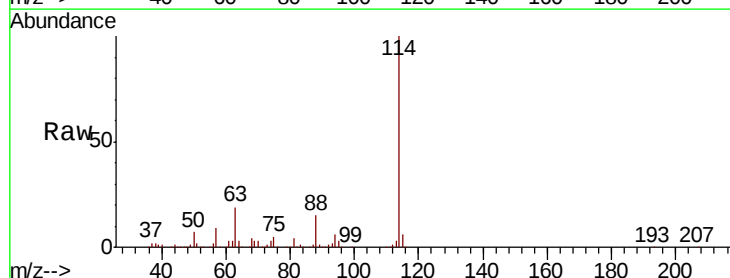
Tgt Ion: 114 Resp: 894976

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.4

88 14.8 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

600000

500000

400000

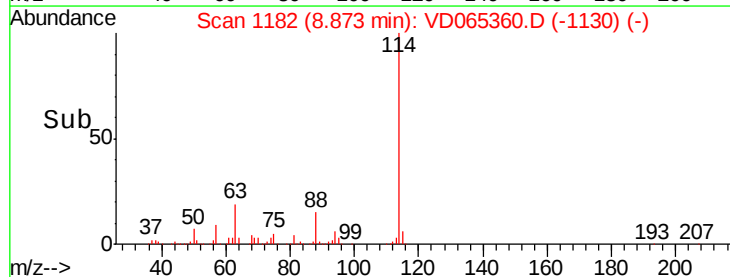
300000

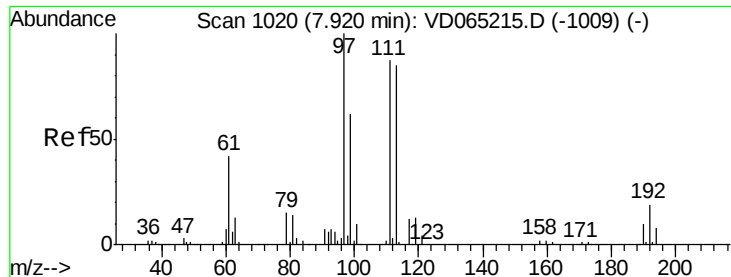
200000

100000

0

Time--> 8.80 8.90 9.00

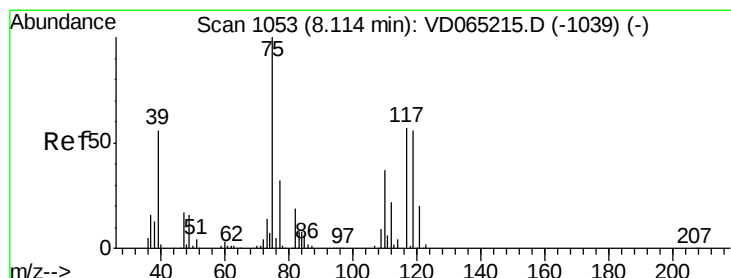
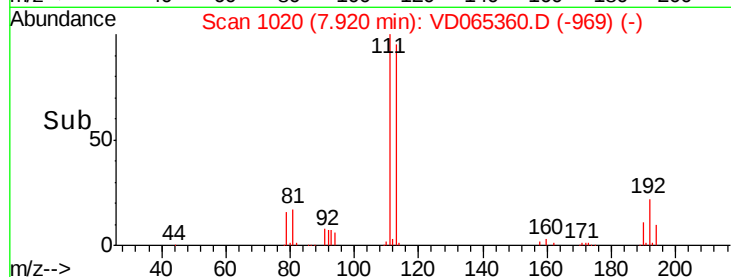
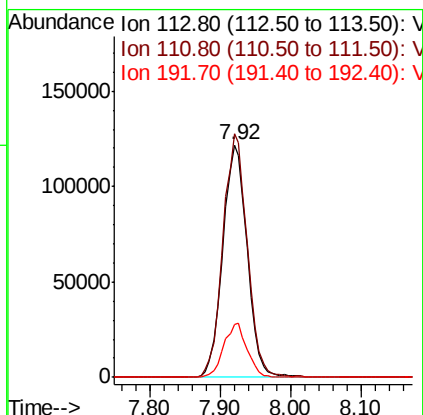
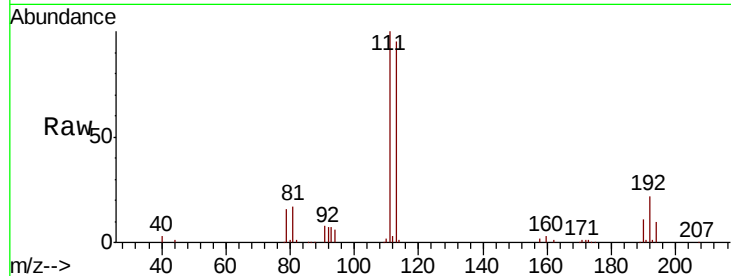




#35
 Dibromofluoromethane
 Concen: 53.517 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065360.D
 Acq: 28 Feb 2020 15:50

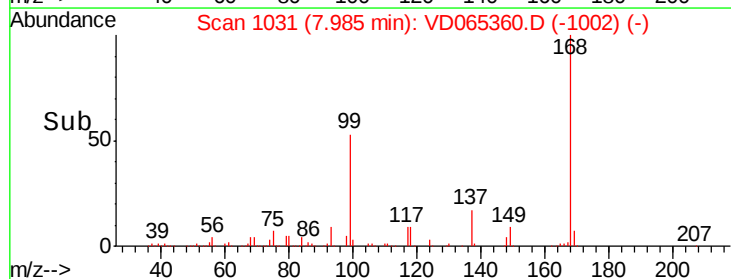
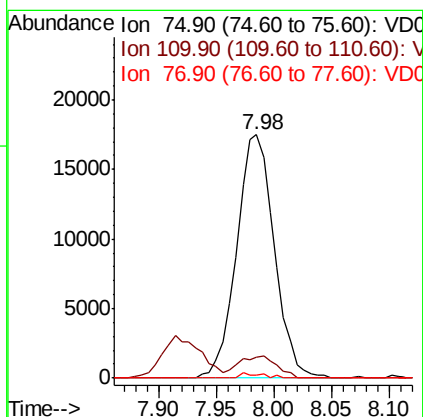
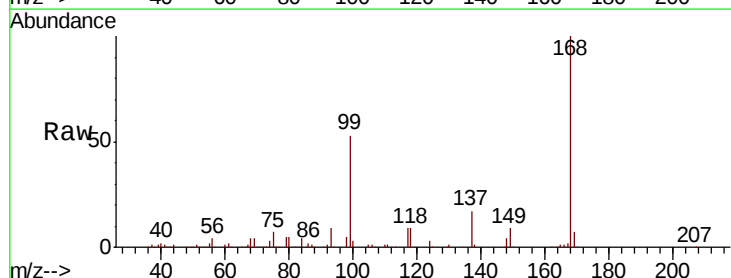
Instrument :
 MSVOA_D
 ClientSampleId :
 GP-13-022720

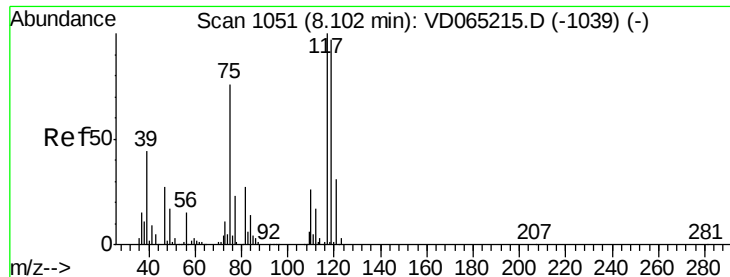
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.9	124.3
192	22.2	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 4.543 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065360.D
 Acq: 28 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.9	53.7#
77	1.3	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 5.642 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065360.D

Acq: 28 Feb 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

GP-13-022720

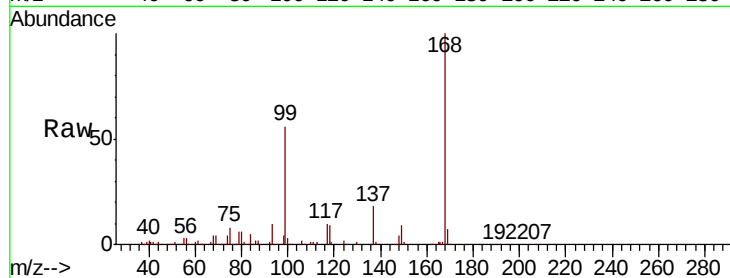
Tot Ion:117 Resp: 50011

Ion Ratio Lower Upper

117 100

119 6.1 77.6 116.4#

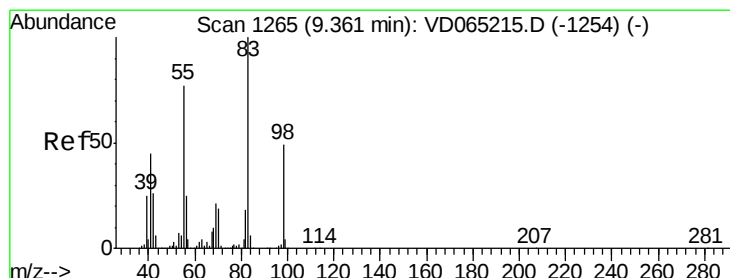
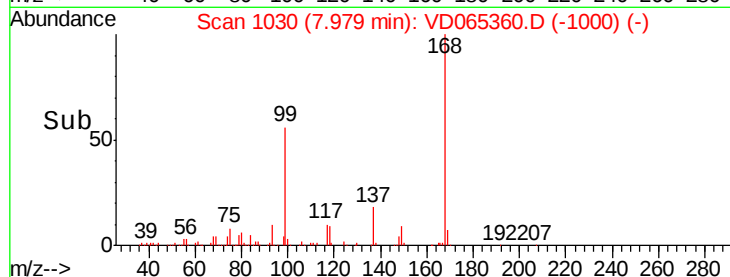
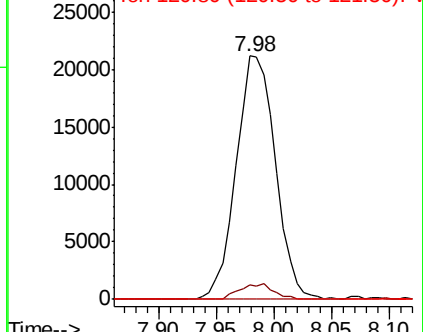
121 0.0 24.8 37.2#



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



#39

Methylcyclohexane

Concen: 1.886 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD065360.D

Acq: 28 Feb 2020 15:50

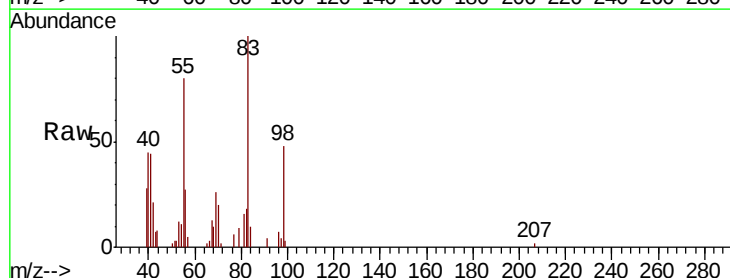
Tgt Ion: 83 Resp: 19309

Ion Ratio Lower Upper

83 100

55 78.7 61.8 92.6

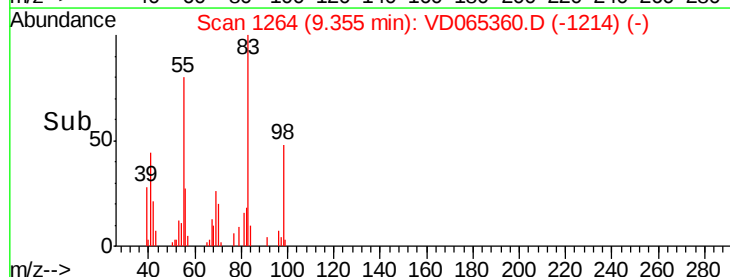
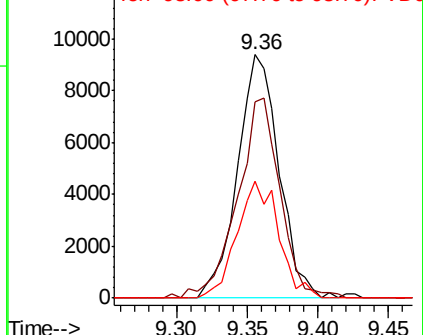
98 48.1 39.4 59.0

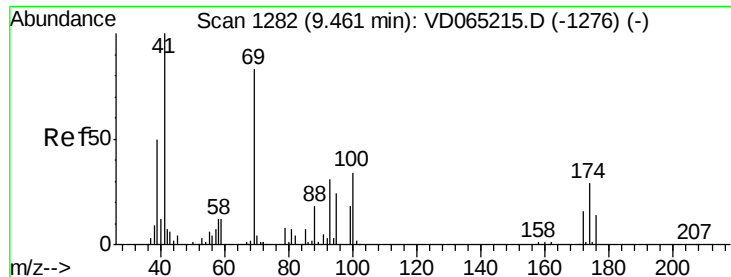


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC

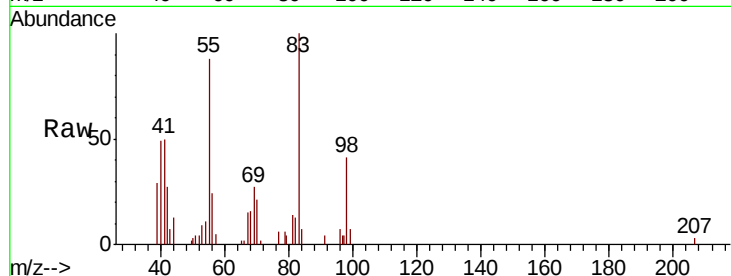




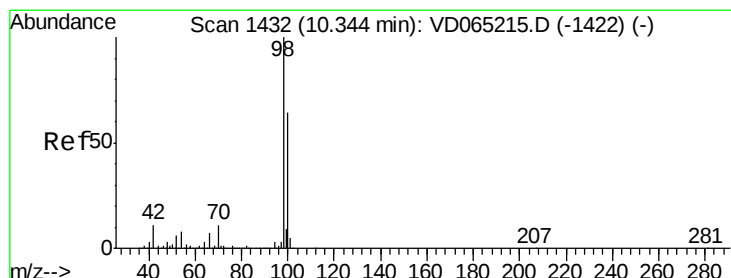
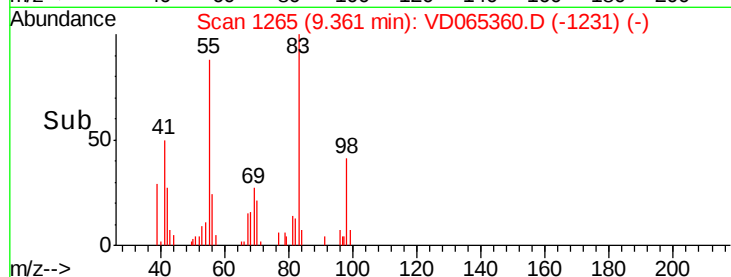
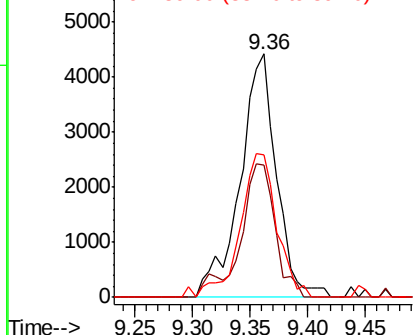
#48
Methvl methacrylate
Concen: 3.179 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.10 min
Lab File: VD065360.D
Acq: 28 Feb 2020 15:50

Instrument :
MSVOA_D
ClientSampleId :
GP-13-022720

Tot Ion: 41 Resp: 9729
Ion Ratio Lower Upper
41 100
69 52.4 68.2 102.2#
39 59.8 42.0 63.0

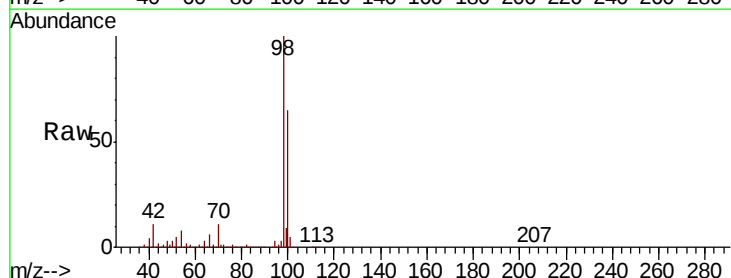


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

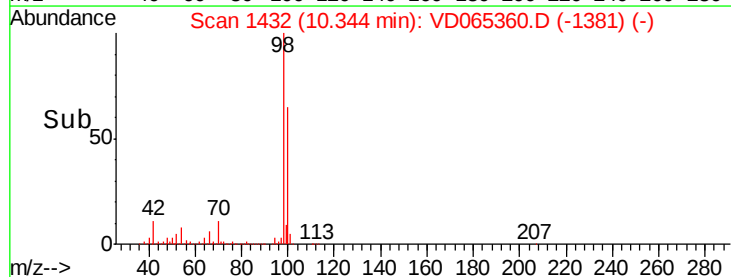
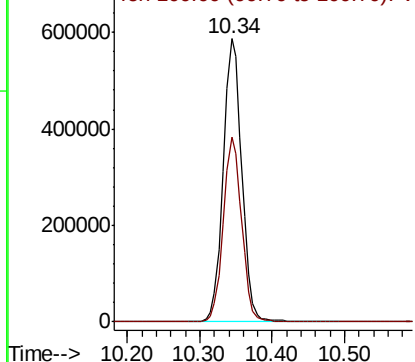


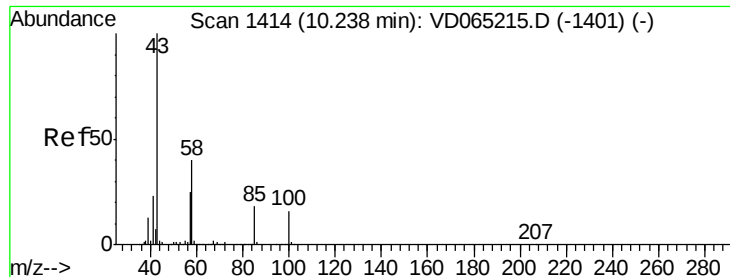
#50
Toluene-d8
Concen: 50.084 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065360.D
Acq: 28 Feb 2020 15:50

Tgt Ion: 98 Resp: 1044841
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

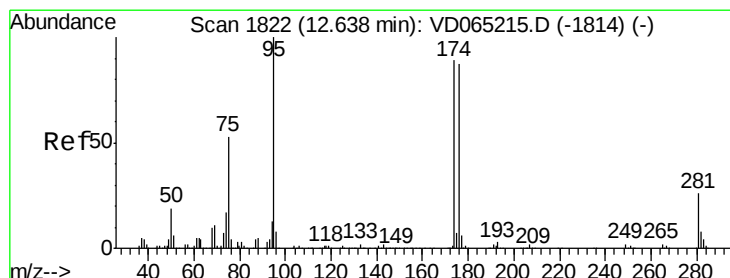
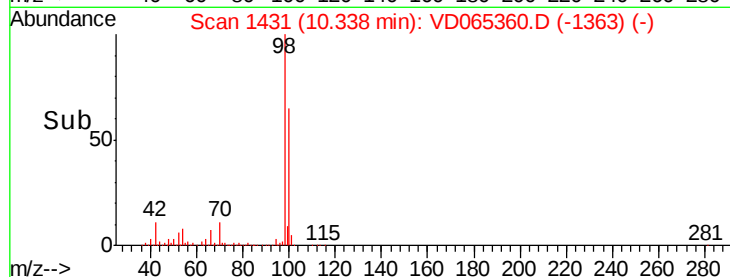
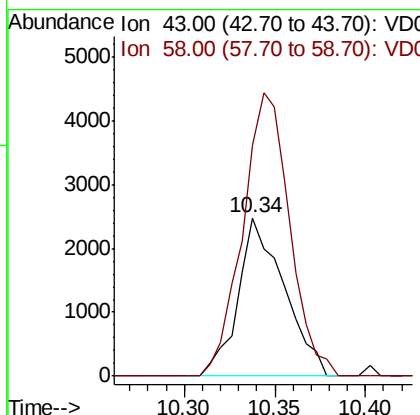
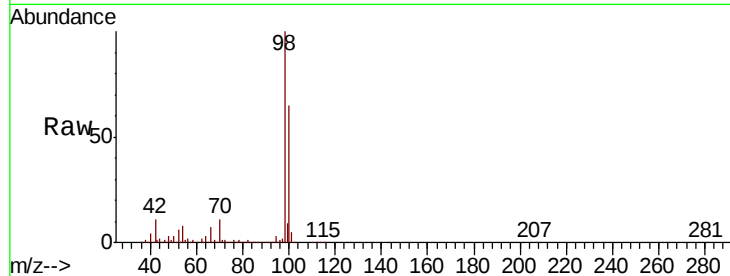




#51
4-Methyl-2-Pentanone
Concen: 1.303 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.10 min
Lab File: VD065360.D
Acq: 28 Feb 2020 15:50

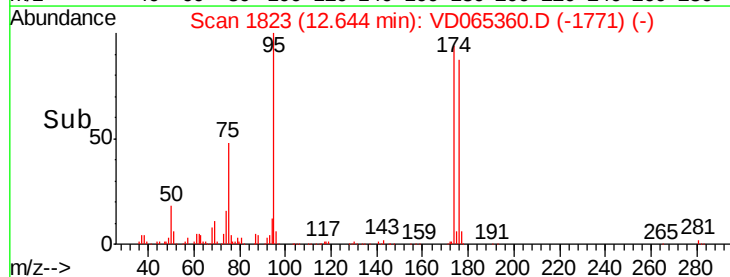
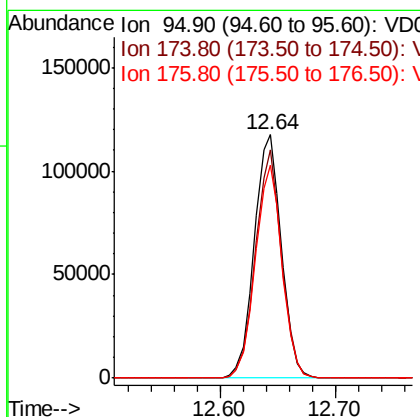
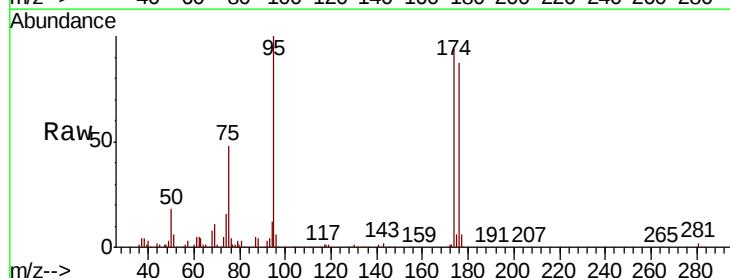
Instrument :
MSVOA_D
ClientSampleId :
GP-13-022720

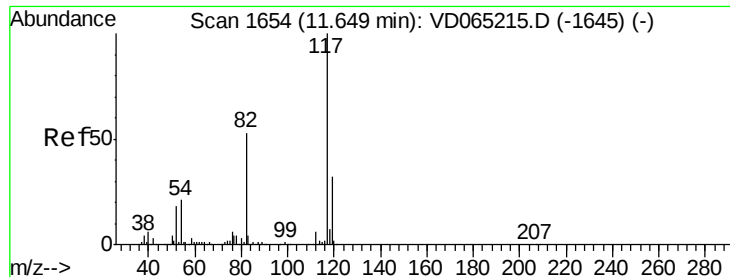
Tot Ion: 43 Resp: 4381
Ion Ratio Lower Upper
43 100
58 182.5 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 29.096 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065360.D
Acq: 28 Feb 2020 15:50

Tgt Ion: 95 Resp: 192289
Ion Ratio Lower Upper
95 100
174 90.4 0.0 178.0
176 86.3 0.0 174.4

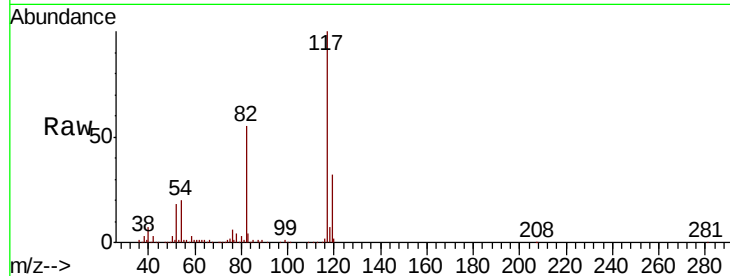




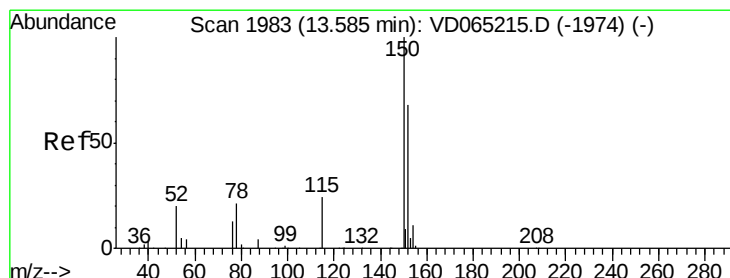
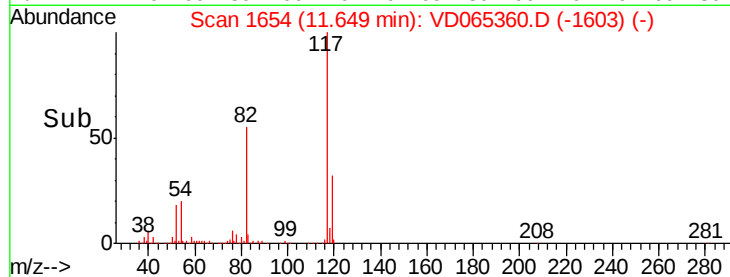
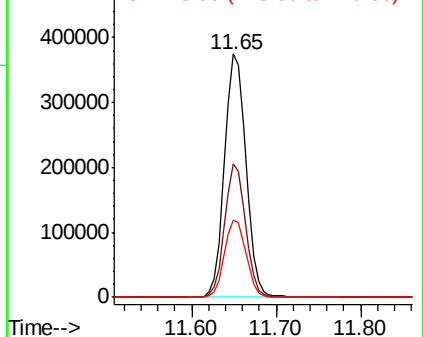
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065360.D
Acq: 28 Feb 2020 15:50

Instrument :
MSVOA_D
ClientSampleId :
GP-13-022720

Tot Ion:117 Resp: 657830
Ion Ratio Lower Upper
117 100
82 54.6 42.7 64.1
119 31.6 25.5 38.3

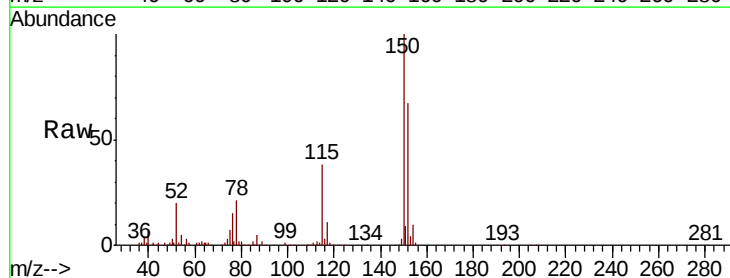


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

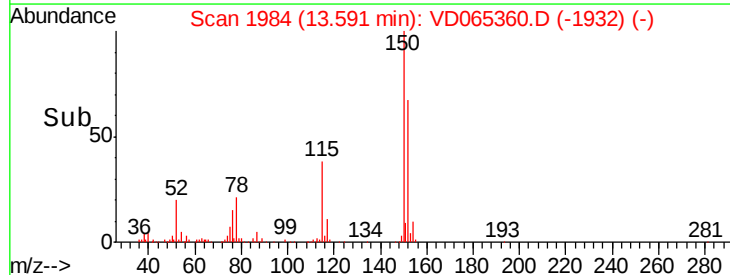
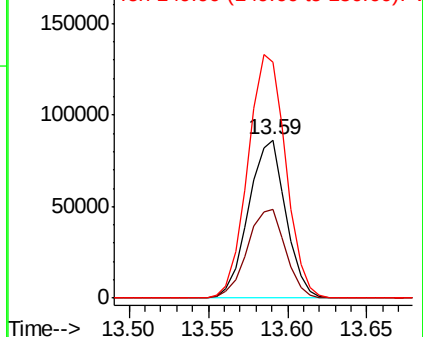


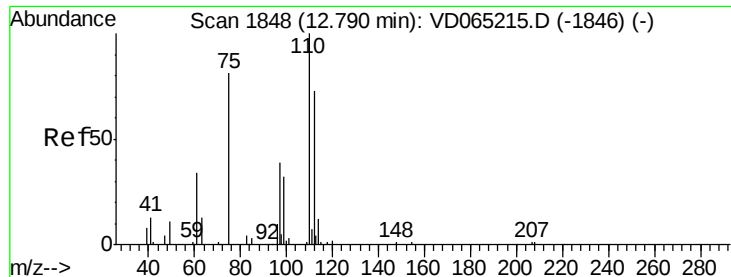
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VD065360.D
Acq: 28 Feb 2020 15:50

Tgt Ion:152 Resp: 141554
Ion Ratio Lower Upper
152 100
115 57.7 27.6 82.8
150 156.9 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: 78.634 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065360.D

Acq: 28 Feb 2020 15:50

Instrument :

MSVOA_D

ClientSampleId :

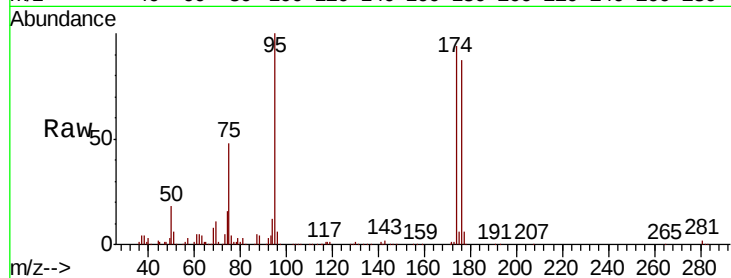
GP-13-022720

Tot Ion: 75 Resp: 94706

Ion Ratio Lower Upper

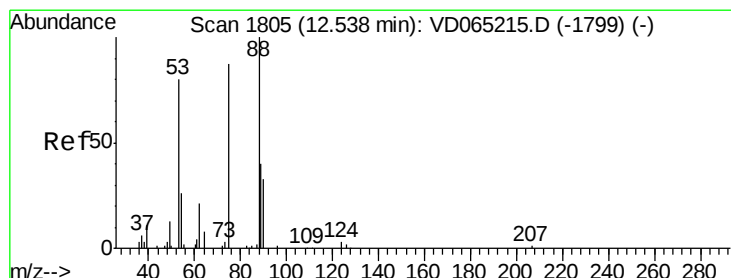
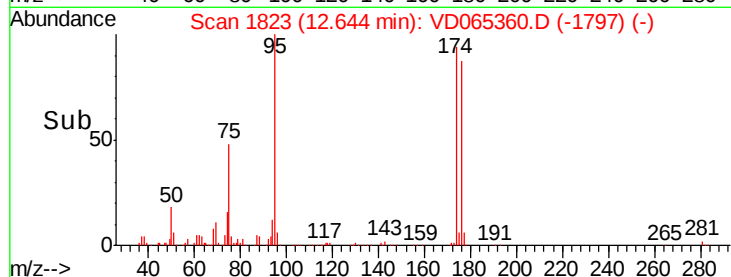
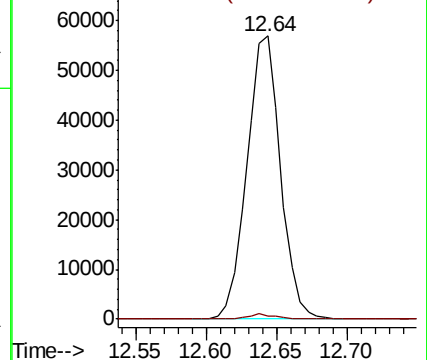
75 100

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: 169.786 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065360.D

Acq: 28 Feb 2020 15:50

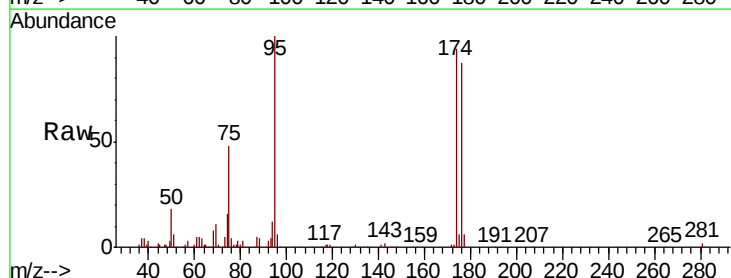
Tgt Ion: 75 Resp: 94706

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 37.2 55.8#



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

