

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065222.D
 Acq On : 18 Feb 2020 16:47
 Operator : VA/SY
 Sample : L1484-01
 Misc : 4.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1

Quant Time: Feb 19 03:32:01 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	491186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	782413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	873372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	449819	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	208950	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
35) Dibromofluoromethane	7.92	113	235337	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	10.34	98	950772	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.64	95	394332	68.25	ug/l	0.00
Spiked Amount			Recovery	=	136.50%	

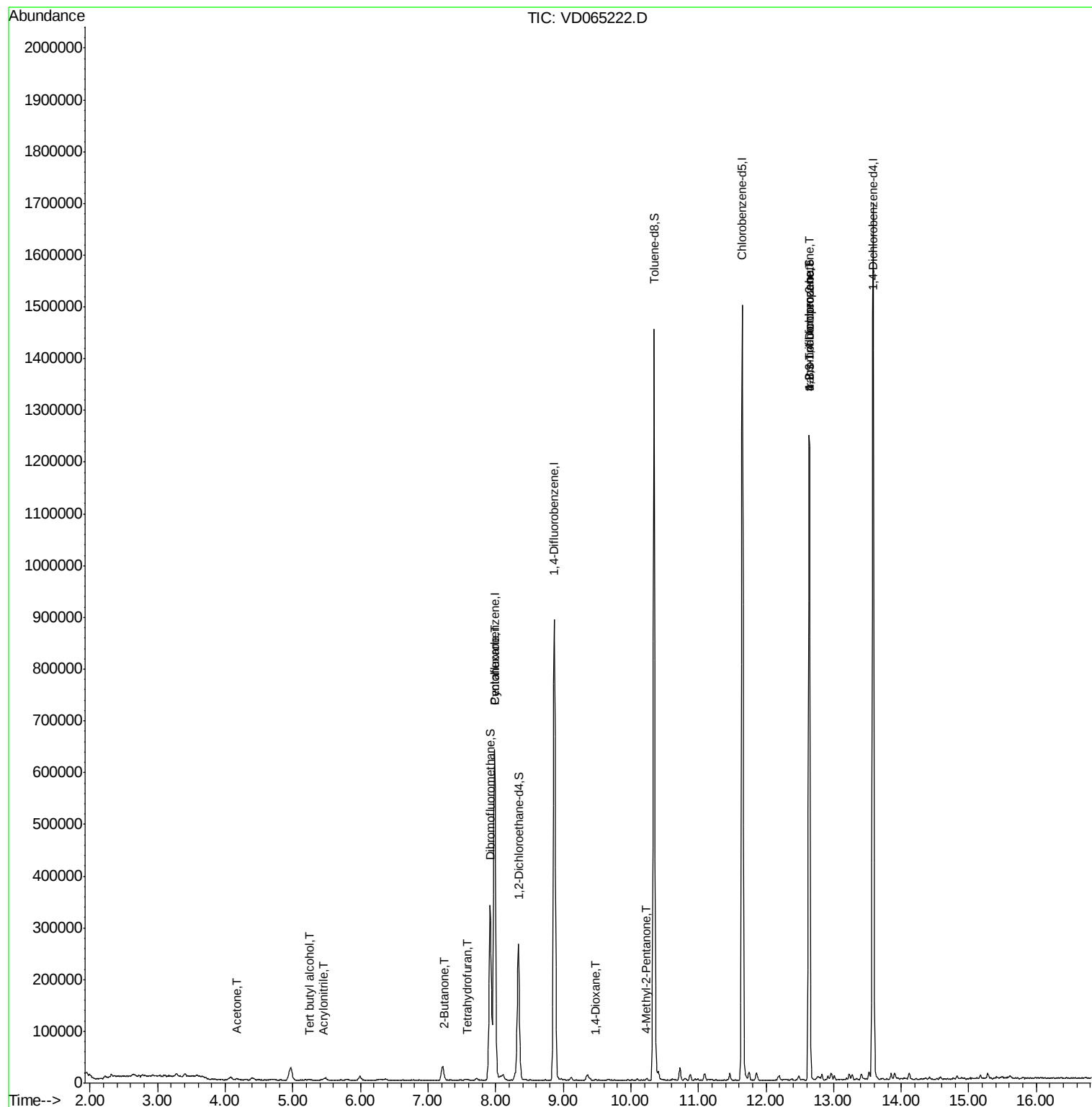
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	381	1.443	ug/l #	72
13) Acrolein	3.91	56	118	Below Cal	#	1
15) Acrylonitrile	5.44	53	1477	1.448	ug/l #	18
16) Acetone	4.17	43	4041	3.741	ug/l	89
20) Methylene Chloride	4.96	84	19389	Below Cal	#	95
25) 2-Butanone	7.24	43	3046	2.229	ug/l #	49
29) Tetrahydrofuran	7.59	42	1466	1.831	ug/l #	55
31) Cyclohexane	7.98	56	12561	1.446	ug/l #	1
49) 1,4-Dioxane	9.47	88	56	1.737	ug/l #	47
51) 4-Methyl-2-Pentanone	10.23	43	3193	1.086	ug/l #	84
76) 1,2,3-Trichloropropane	12.64	75	198841	51.955	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	198841	112.180	ug/l #	11

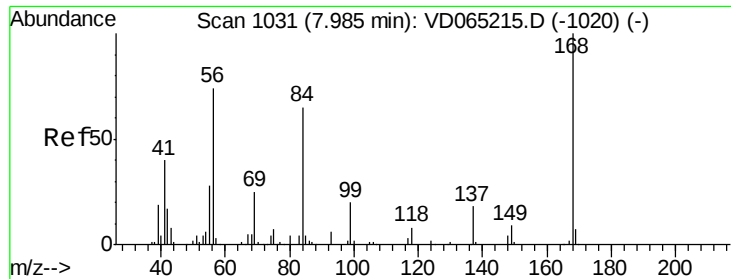
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021820\
Data File : VD065222.D
Acq On : 18 Feb 2020 16:47
Operator : VA/SY
Sample : L1484-01
Misc : 4.99G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP-1

Quant Time: Feb 19 03:32:01 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: VD065222.D

Acq: 18 Feb 2020 16:47

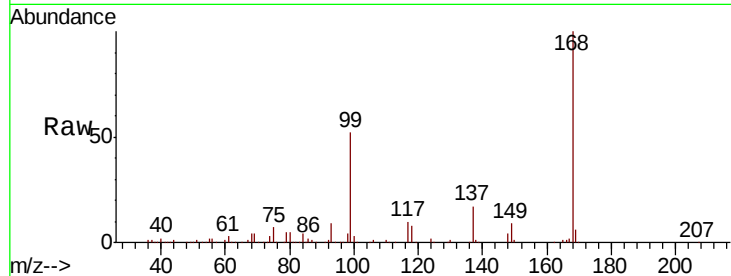
Instrument :
MSVOA_D
ClientSampleId :
SP-1

Tot Ion:168 Resp: 491186

Ion Ratio Lower Upper

168 100

99 52.3 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

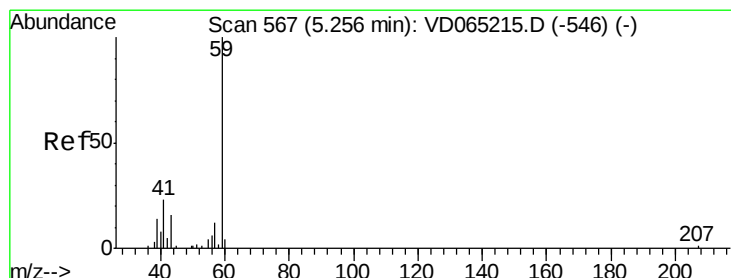
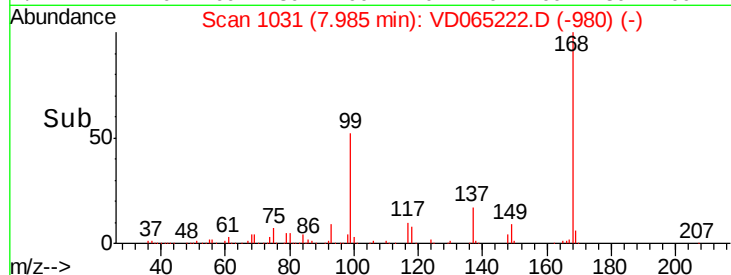
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.443 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD065222.D

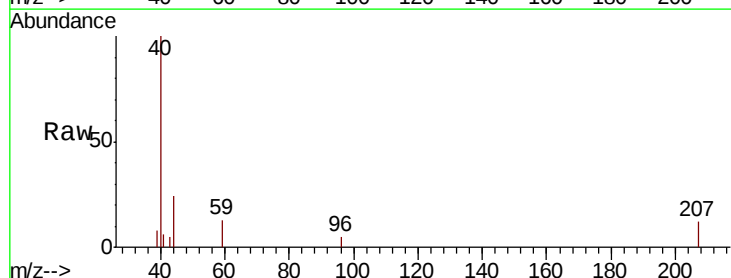
Acq: 18 Feb 2020 16:47

Tgt Ion: 59 Resp: 381

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

5.24

600

500

400

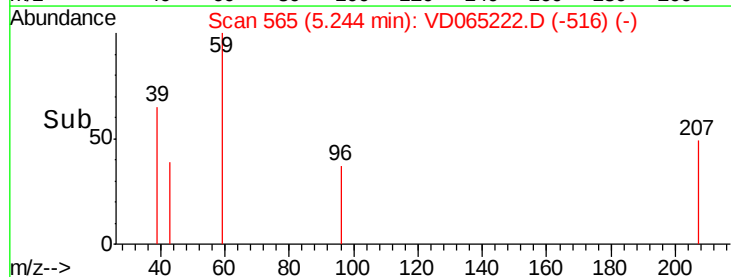
300

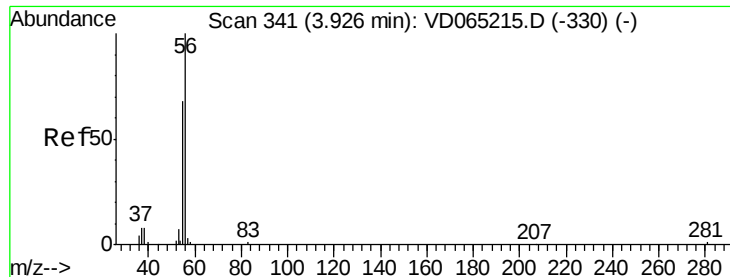
200

100

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.91 min Scan# 338

Delta R.T. -0.02 min

Lab File: VD065222.D

Acq: 18 Feb 2020 16:47

Instrument :

MSVOA_D

ClientSampleId :

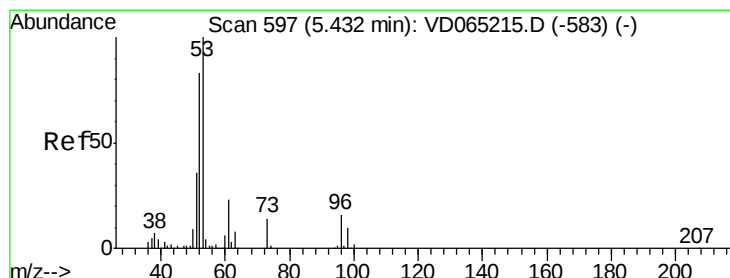
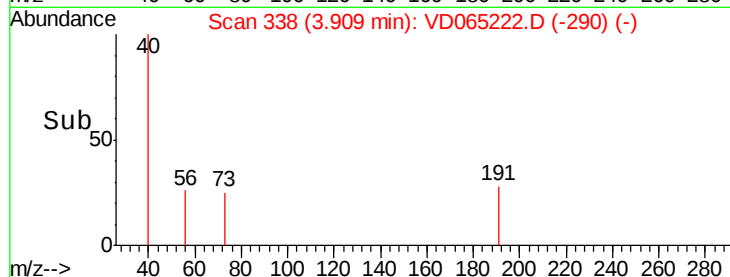
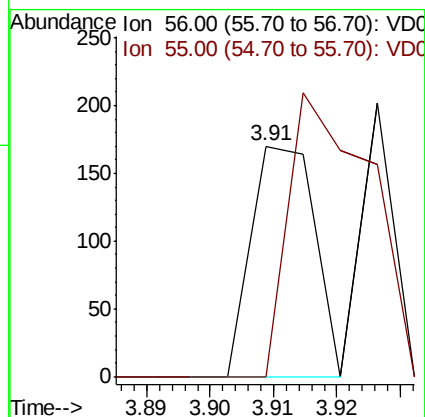
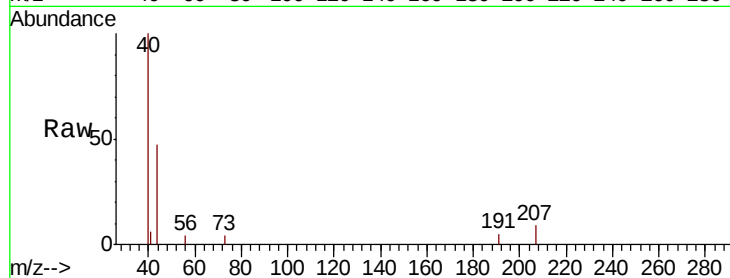
SP-1

Tot Ion: 56 Resp: 118

Ion Ratio Lower Upper

56 100

55 159.3 56.6 85.0#



#15

Acrylonitrile

Concen: 1.448 ug/l

RT: 5.44 min Scan# 599

Delta R.T. 0.01 min

Lab File: VD065222.D

Acq: 18 Feb 2020 16:47

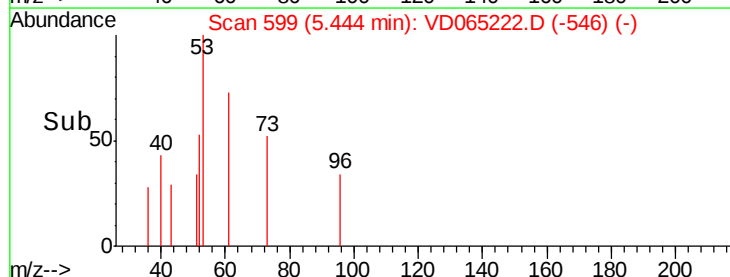
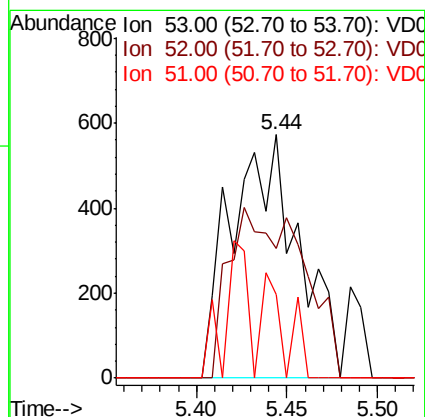
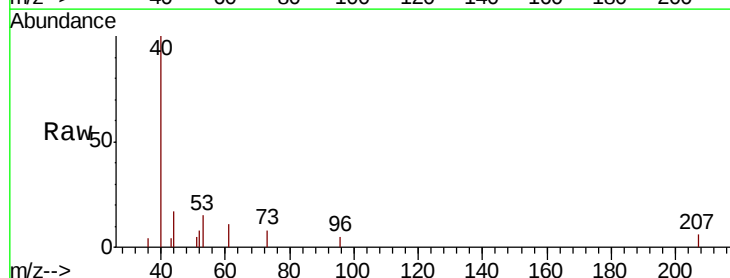
Tgt Ion: 53 Resp: 1477

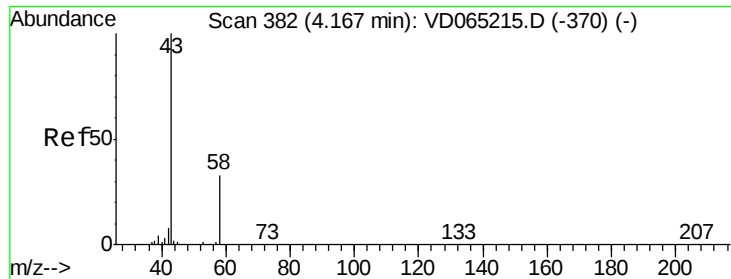
Ion Ratio Lower Upper

53 100

52 0.0 65.4 98.2#

51 0.0 29.5 44.3#





#16

Acetone

Concen: 3.741 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065222.D

Acq: 18 Feb 2020 16:47

Instrument :

MSVOA_D

ClientSampleId :

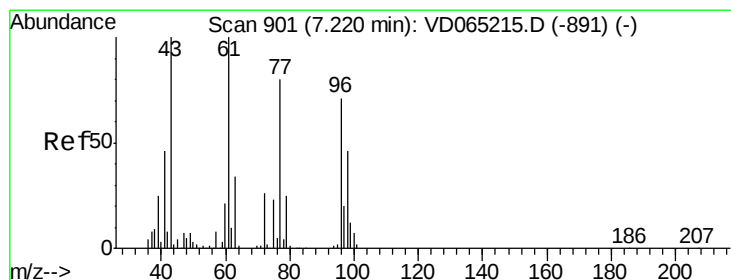
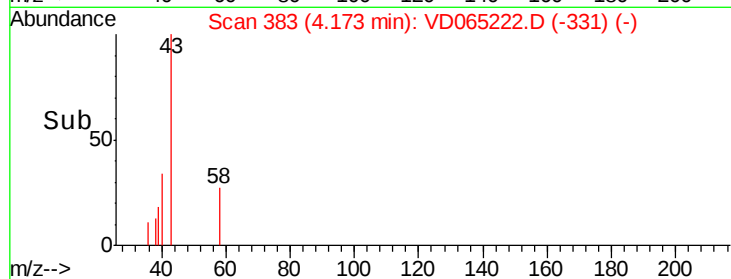
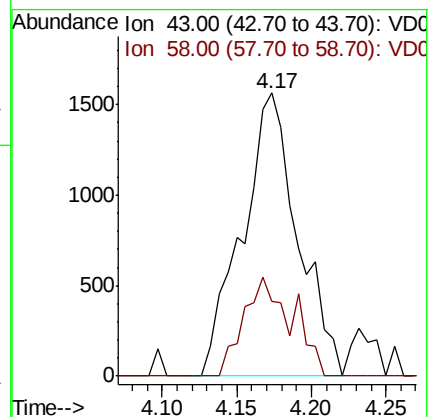
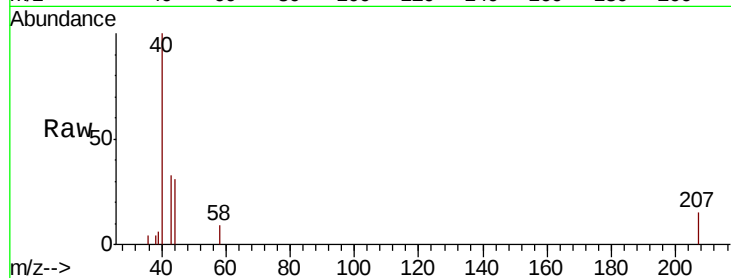
SP-1

Tot Ion: 43 Resp: 4041

Ion Ratio Lower Upper

43 100

58 26.6 26.2 39.2



#25

2-Butanone

Concen: 2.229 ug/l

RT: 7.24 min Scan# 905

Delta R.T. 0.02 min

Lab File: VD065222.D

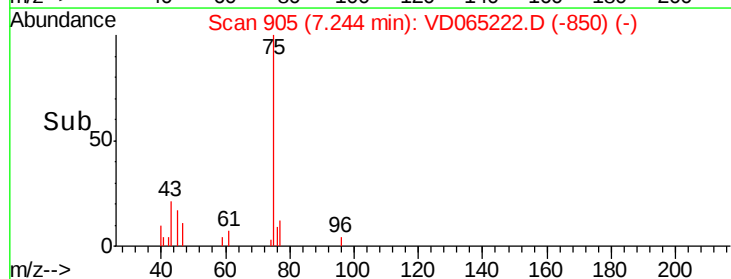
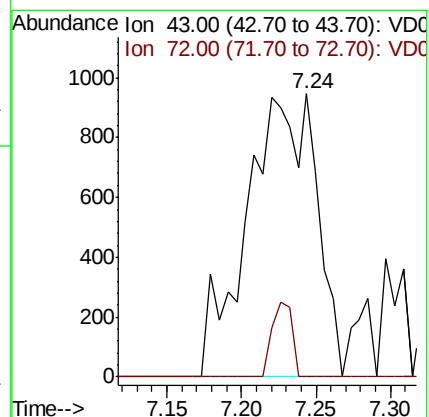
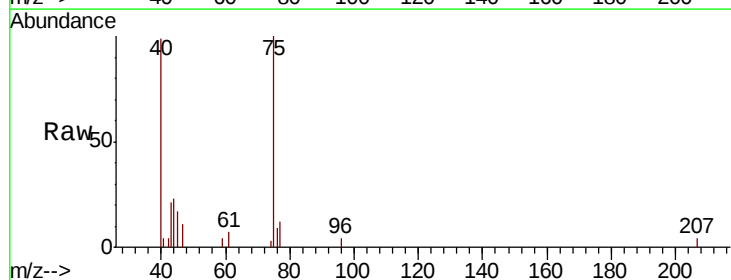
Acq: 18 Feb 2020 16:47

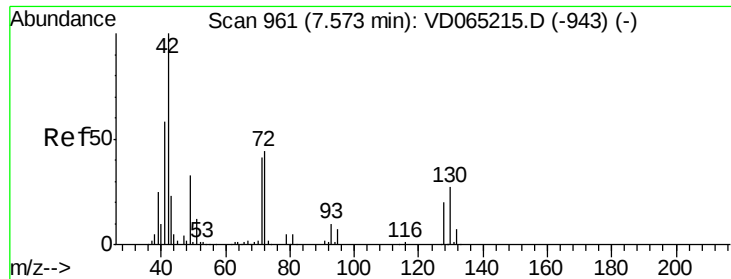
Tgt Ion: 43 Resp: 3046

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#

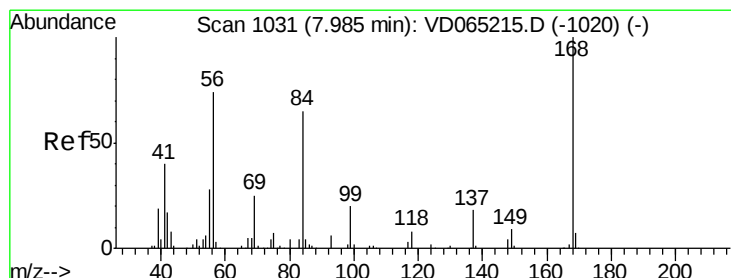
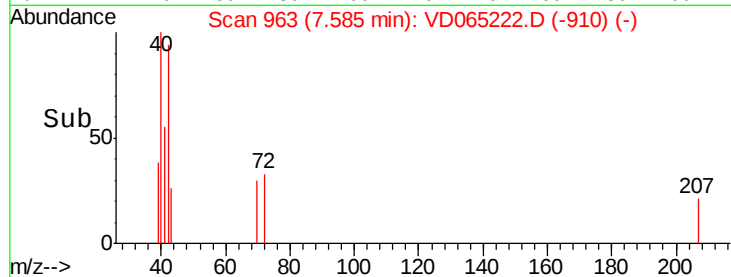
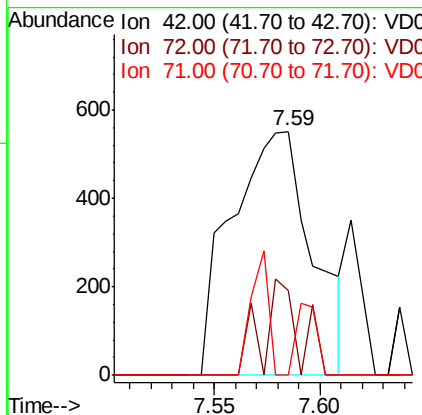
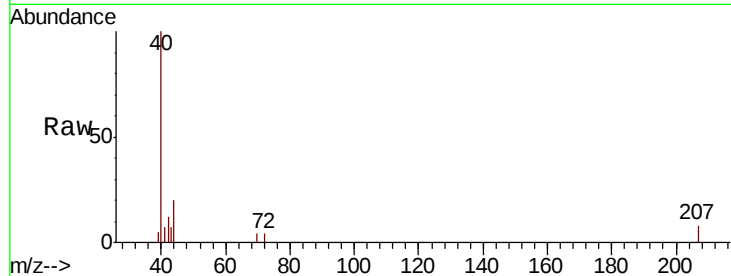




#29
Tetrahydrofuran
Concen: 1.831 ug/l
RT: 7.59 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD065222.D
Acq: 18 Feb 2020 16:47

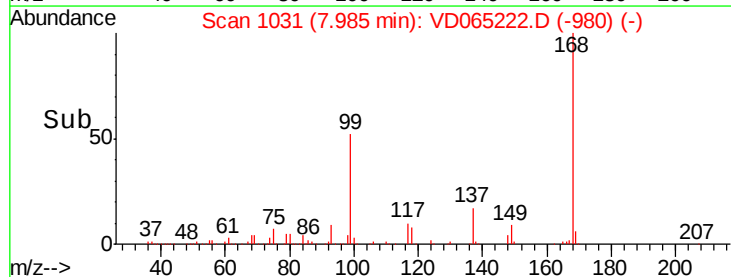
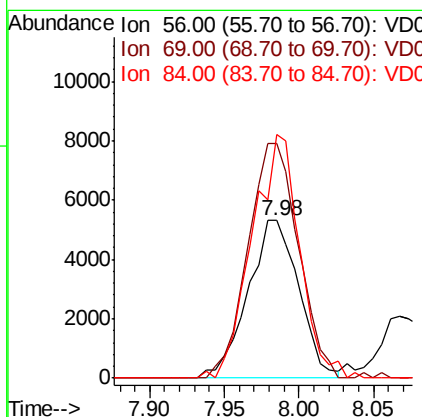
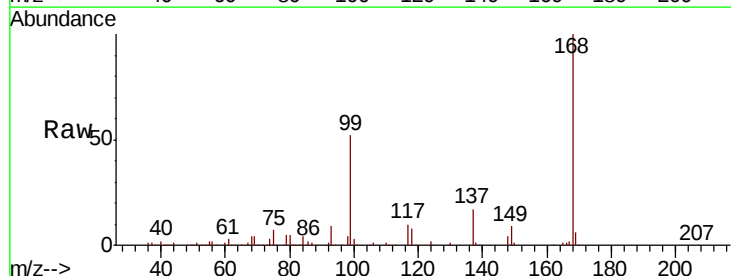
Instrument :
MSVOA_D
ClientSampleId :
SP-1

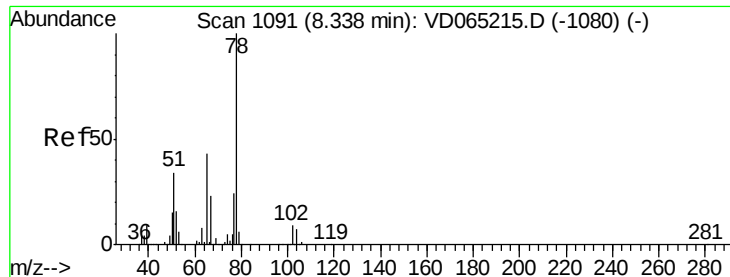
Tot Ion: 42 Resp: 1466
Ion Ratio Lower Upper
42 100
72 17.6 33.7 50.5#
71 7.6 31.4 47.2#



#31
Cyclohexane
Concen: 1.446 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065222.D
Acq: 18 Feb 2020 16:47

Tgt Ion: 56 Resp: 12561
Ion Ratio Lower Upper
56 100
69 148.8 27.4 41.0#
84 154.4 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 47.287 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065222.D

Acq: 18 Feb 2020 16:47

Instrument :

MSVOA_D

ClientSampled :

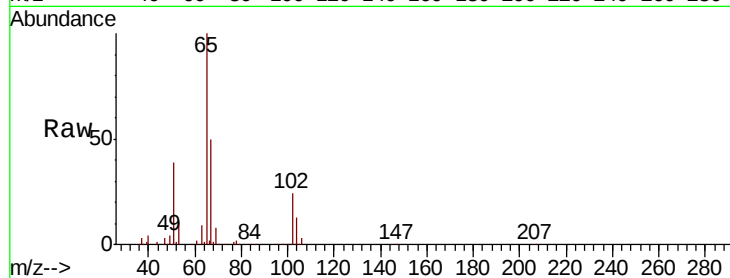
SP-1

Tot Ion: 65 Resp: 208950

Ion Ratio Lower Upper

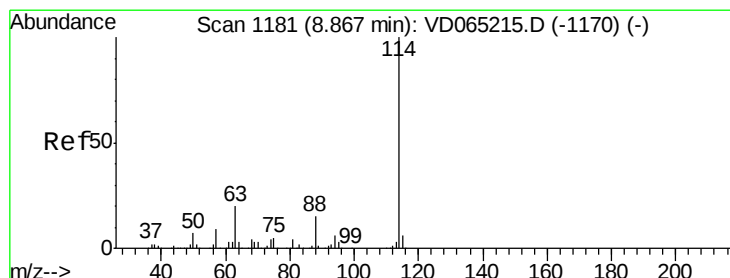
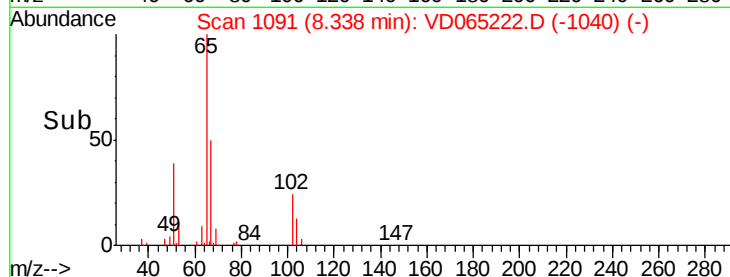
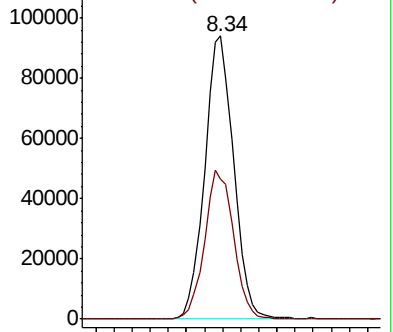
65 100

67 52.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065222.D

Acq: 18 Feb 2020 16:47

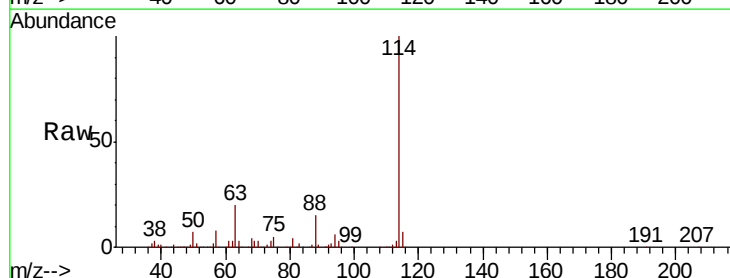
Tgt Ion: 114 Resp: 782413

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

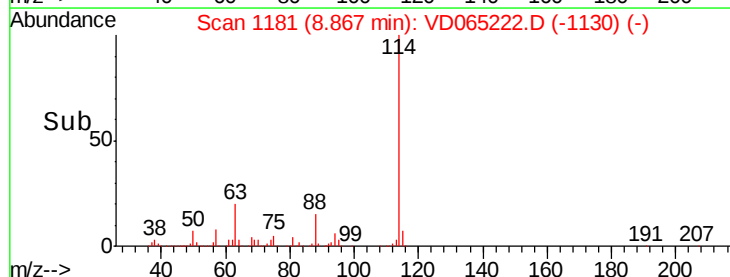
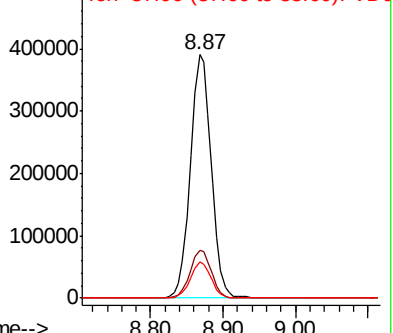
88 15.1 0.0 30.4

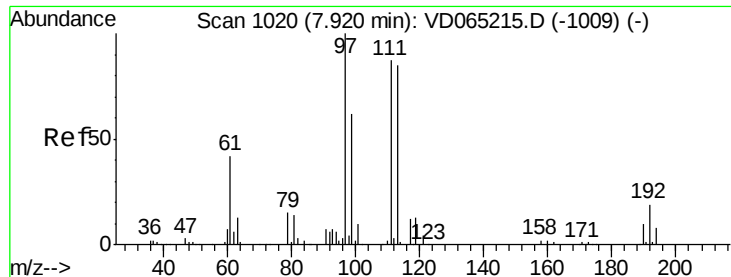


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 49.330 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065222.D

Acq: 18 Feb 2020 16:47

Instrument :

MSVOA_D

ClientSampled :

SP-1

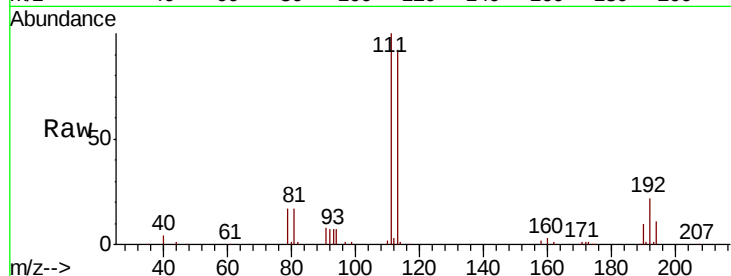
Tot Ion:113 Resp: 235337

Ion Ratio Lower Upper

113 100

111 104.3 82.9 124.3

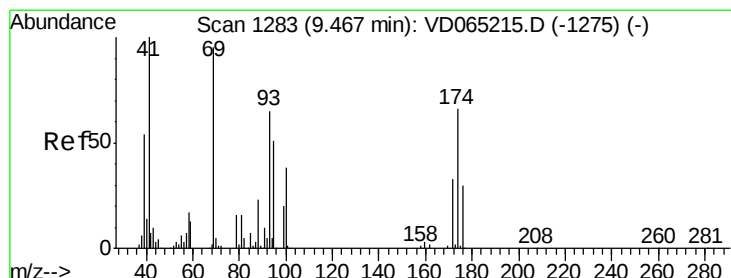
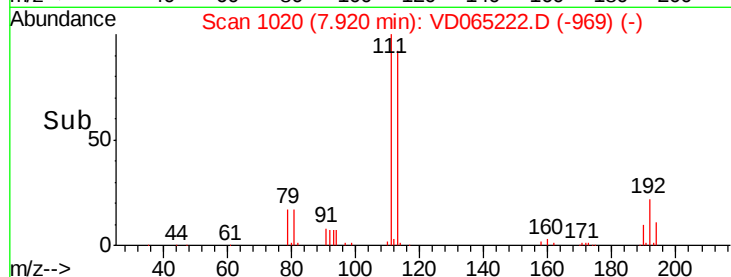
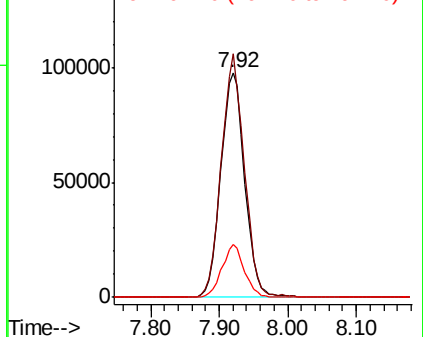
192 22.0 17.3 25.9



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



#49

1,4-Dioxane

Concen: 1.737 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065222.D

Acq: 18 Feb 2020 16:47

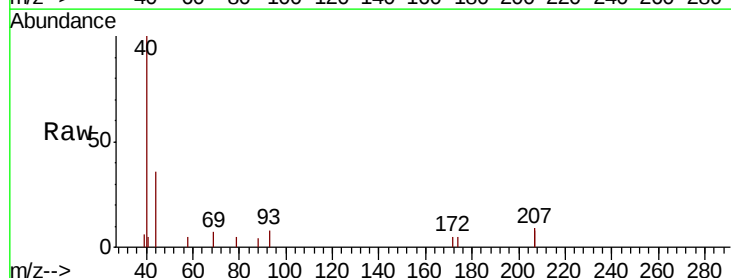
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 0.0 28.5 42.7#

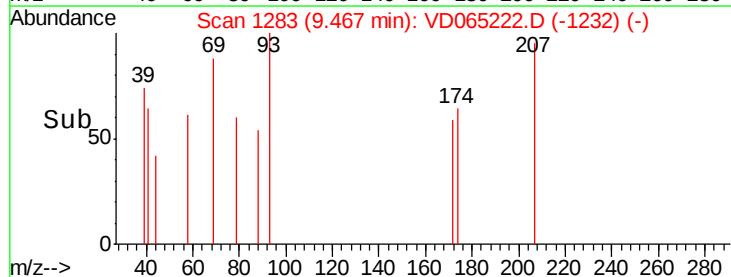
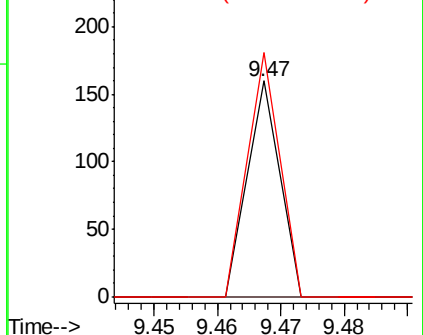
58 114.3 58.6 87.8#

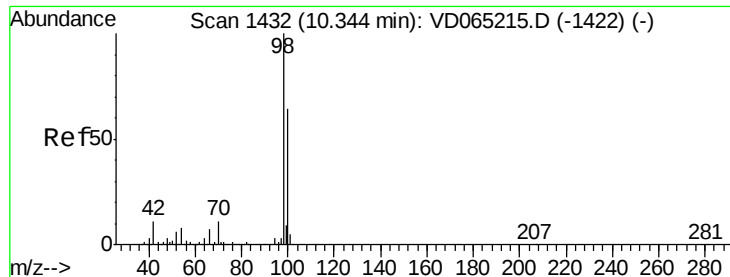


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

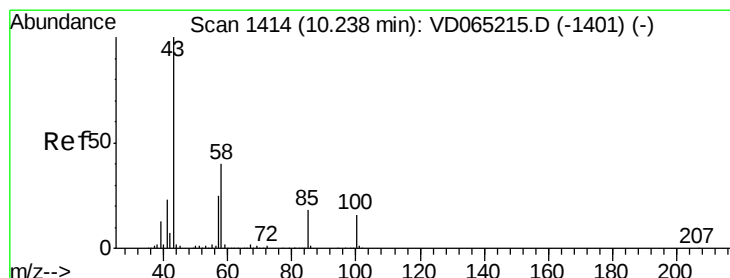
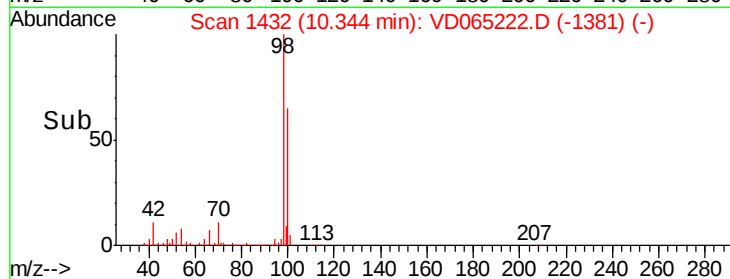
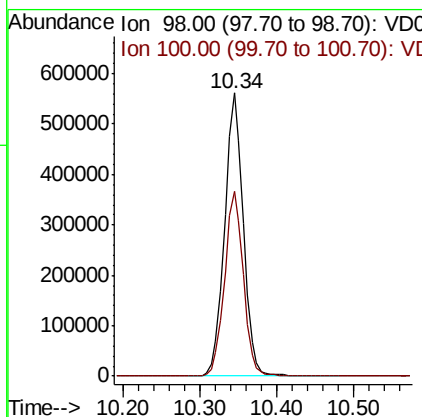
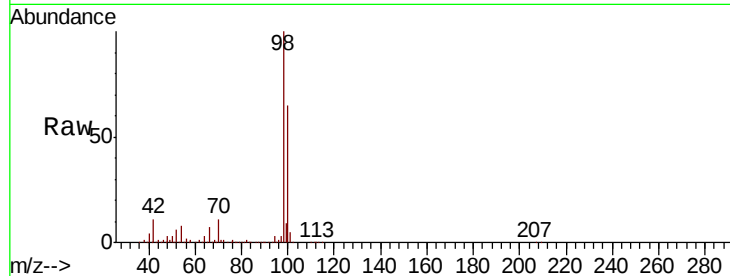




#50
Toluene-d8
Concen: 52.132 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065222.D
Acq: 18 Feb 2020 16:47

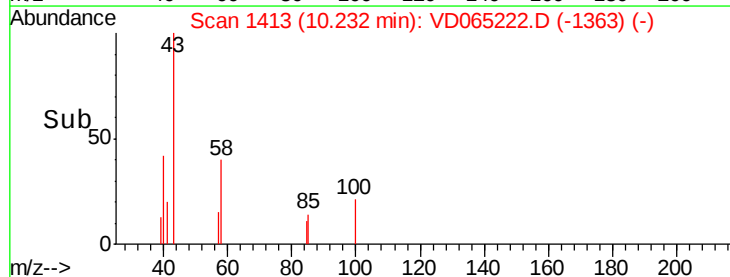
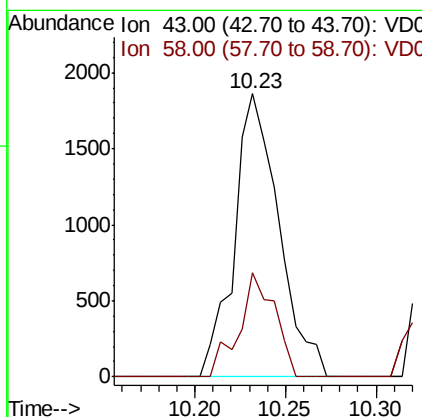
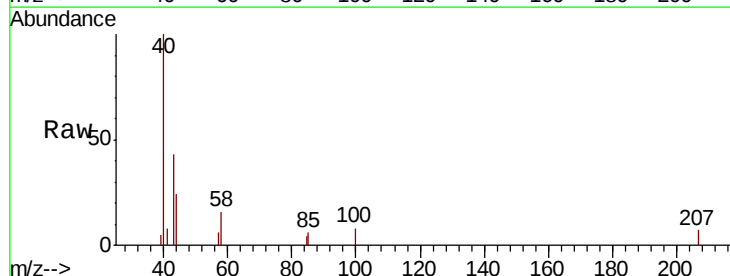
Instrument :
MSVOA_D
ClientSampled :
SP-1

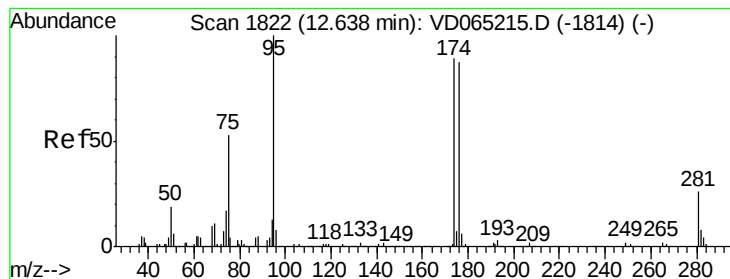
Tot Ion: 98 Resp: 950772
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.086 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065222.D
Acq: 18 Feb 2020 16:47

Tgt Ion: 43 Resp: 3193
Ion Ratio Lower Upper
43 100
58 29.4 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 68.252 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065222.D

Acq: 18 Feb 2020 16:47

Instrument :

MSVOA_D

ClientSampleId :

SP-1

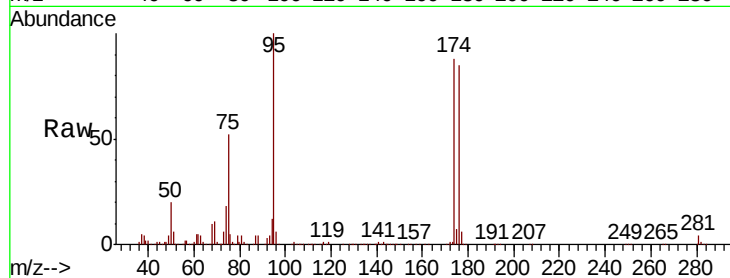
Tot Ion: 95 Resp: 394332

Ion Ratio Lower Upper

95 100

174 88.7 0.0 178.0

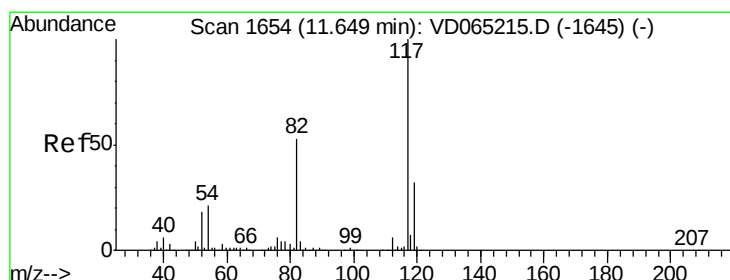
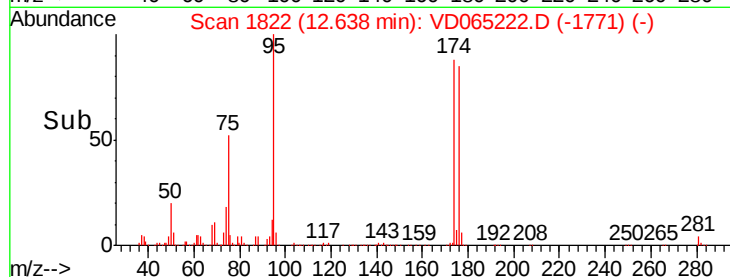
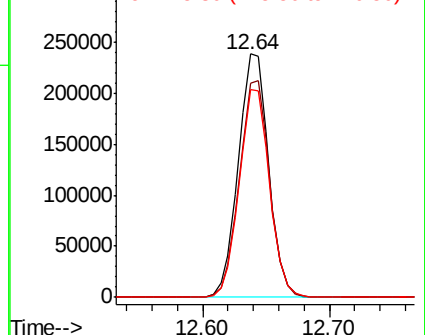
176 85.3 0.0 174.4



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: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065222.D

Acq: 18 Feb 2020 16:47

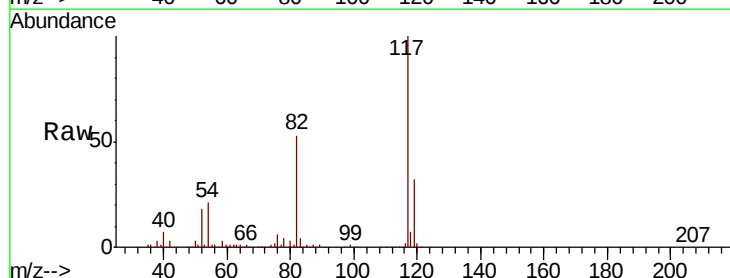
Tgt Ion: 117 Resp: 873372

Ion Ratio Lower Upper

117 100

82 53.5 42.7 64.1

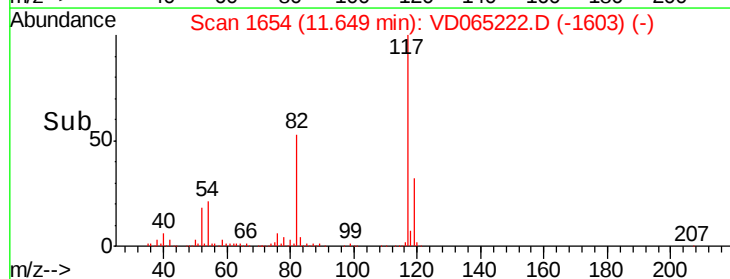
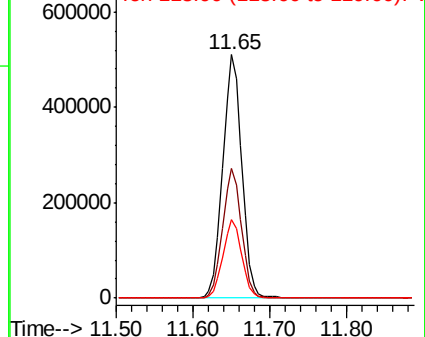
119 32.1 25.5 38.3

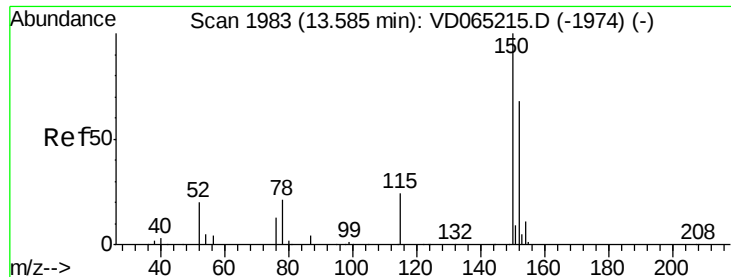


Abundance Ion 116.90 (116.60 to 117.60): V

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: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065222.D

Acq: 18 Feb 2020 16:47

Instrument :

MSVOA_D

ClientSampled :

SP-1

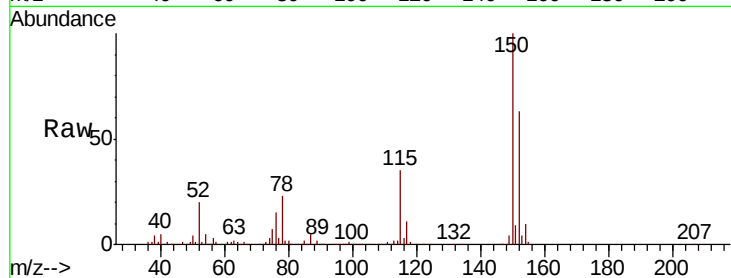
Tot Ion:152 Resp: 449819

Ion Ratio Lower Upper

152 100

115 55.9 27.6 82.8

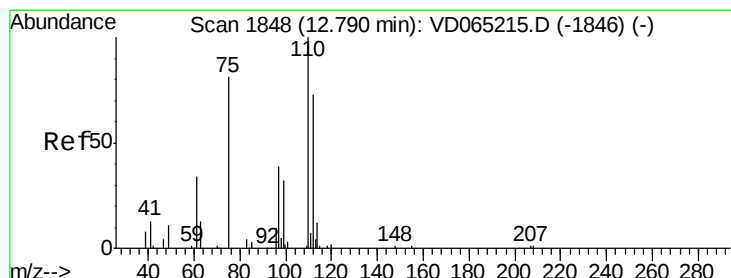
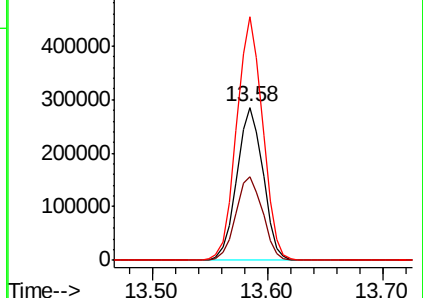
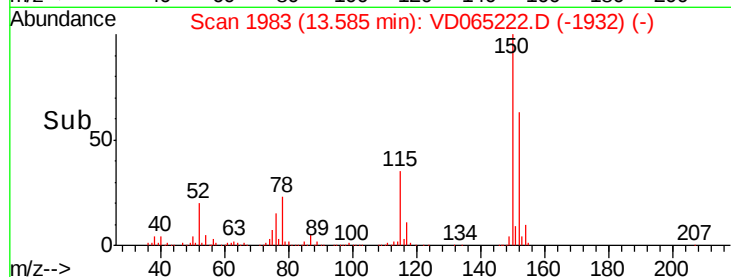
150 157.9 0.0 347.4



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: 51.955 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065222.D

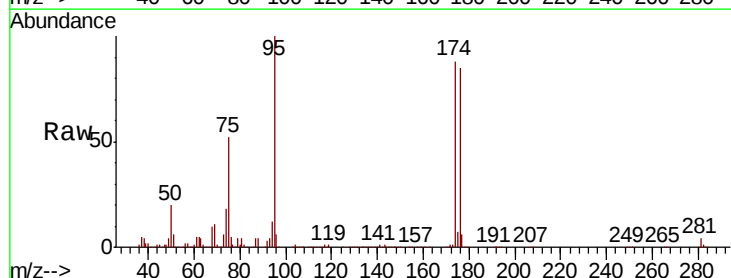
Acq: 18 Feb 2020 16:47

Tgt Ion: 75 Resp: 198841

Ion Ratio Lower Upper

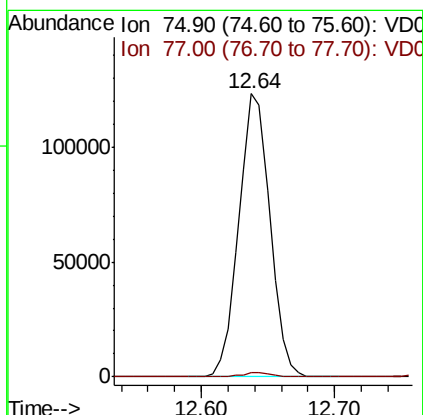
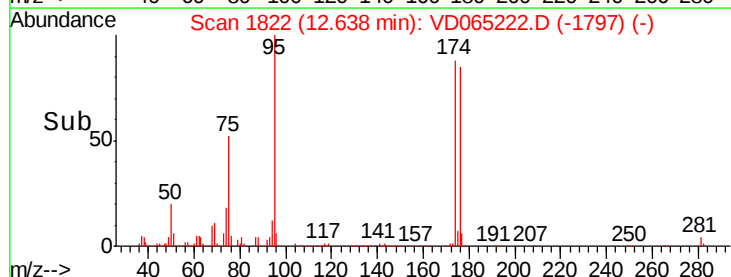
75 100

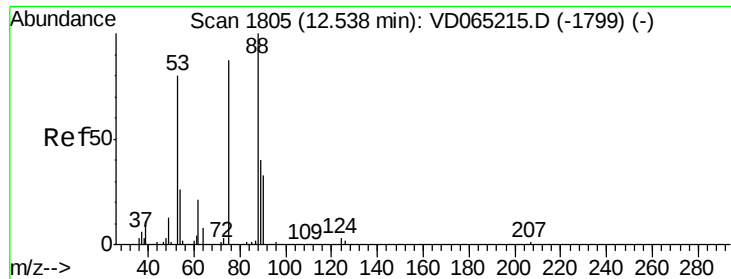
77 1.4 0.0 0.0#



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: 112.180 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065222.D

Acq: 18 Feb 2020 16:47

Instrument :

MSVOA_D

ClientSampleId :

SP-1

Tot Ion: 75 Resp: 198841

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

89 0.0 37.2 55.8#

