

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065079.D
 Acq On : 06 Feb 2020 11:28
 Operator : VA/SY
 Sample : VD0206SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 07 06:06:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	519080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	853130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	862491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	421019	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	262883	59.59	ug/l	0.00
Spiked Amount			Recovery	=	119.18%	
35) Dibromofluoromethane	7.92	113	267391	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	
50) Toluene-d8	10.34	98	1044377	55.12	ug/l	0.00
Spiked Amount			Recovery	=	110.24%	
62) 4-Bromofluorobenzene	12.64	95	375953	62.62	ug/l	0.00
Spiked Amount			Recovery	=	125.24%	

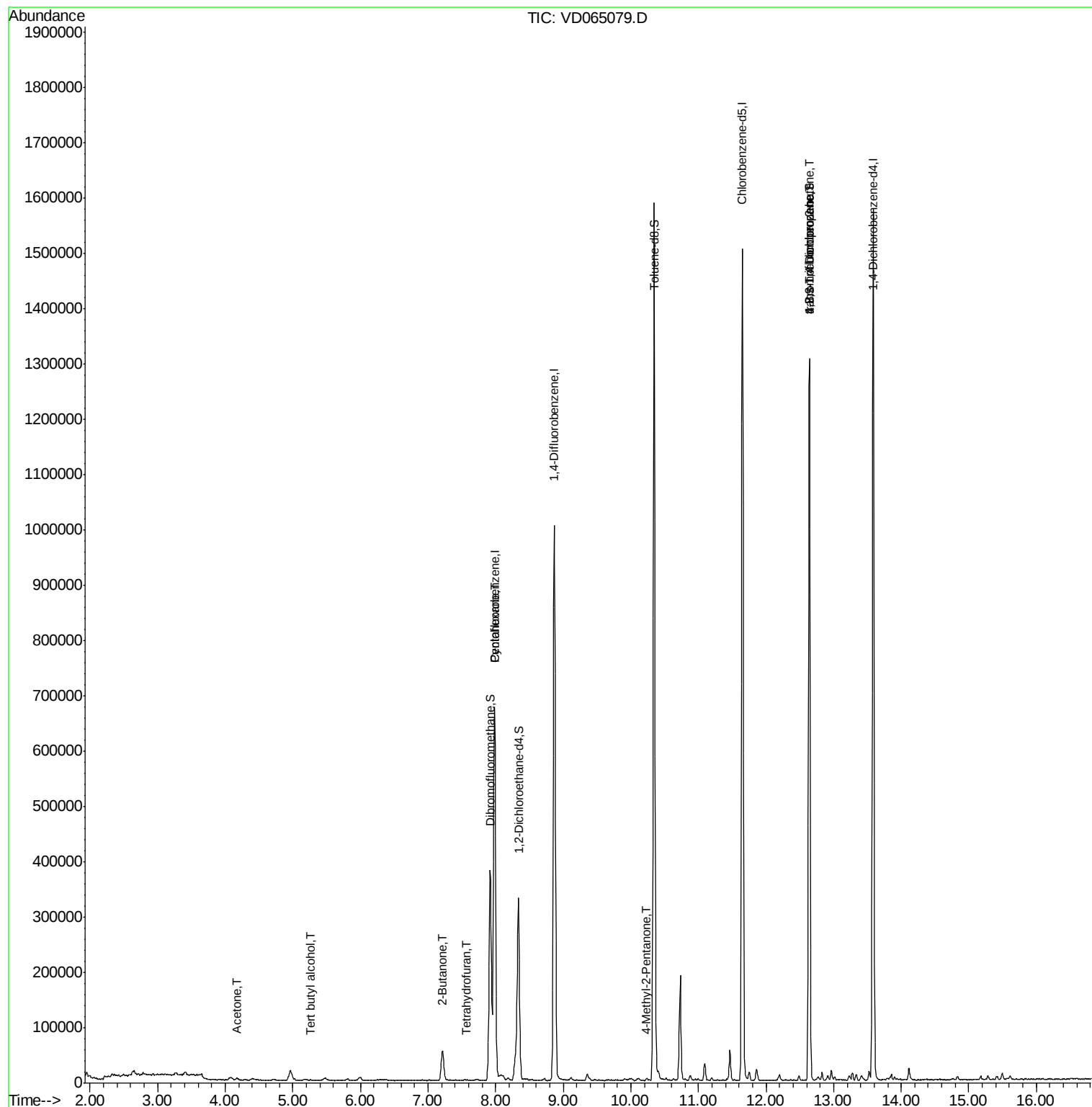
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	540	2.003	ug/l #	71
16) Acetone	4.17	43	6829	6.191	ug/l #	88
20) Methylene Chloride	4.96	84	13130	Below Cal		89
25) 2-Butanone	7.22	43	4516	3.432	ug/l	93
29) Tetrahydrofuran	7.57	42	1037	1.303	ug/l #	81
31) Cyclohexane	7.99	56	14046	1.600	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	3183	1.043	ug/l #	74
58) 2-Chloroethyl Vinyl ether	9.94	63	440	Below Cal	#	72
76) 1,2,3-Trichloropropane	12.64	75	199782	62.676	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	199782	125.346	ug/l #	10

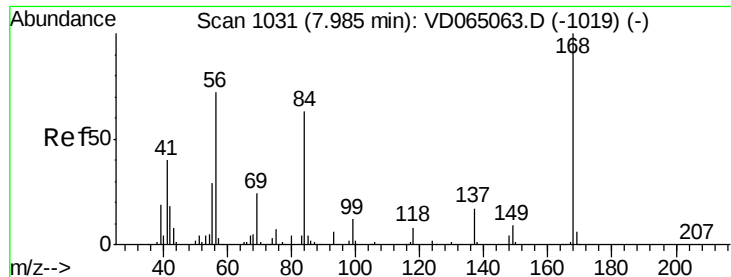
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020620\
Data File : VD065079.D
Acq On : 06 Feb 2020 11:28
Operator : VA/SY
Sample : VD0206SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Feb 07 06:06:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065079.D

Acq: 06 Feb 2020 11:28

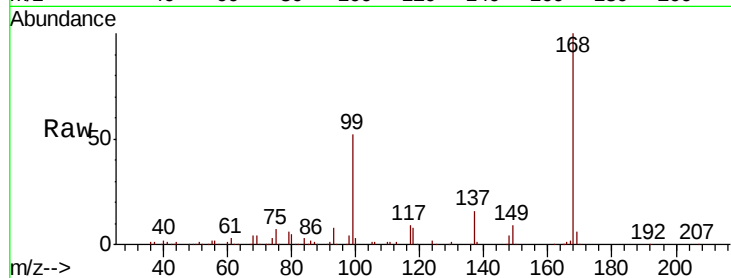
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 519080

Ion Ratio Lower Upper

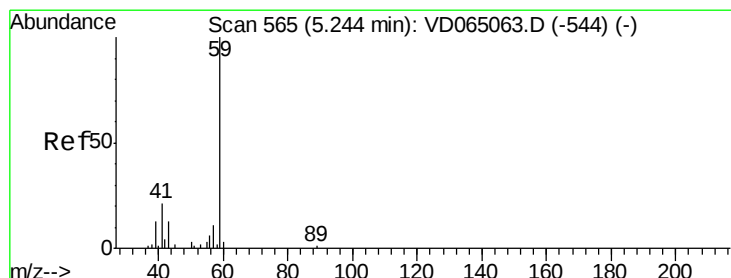
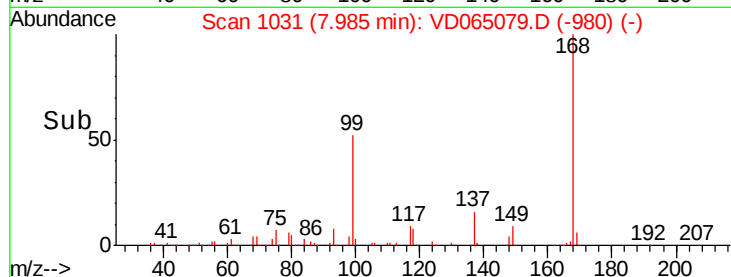
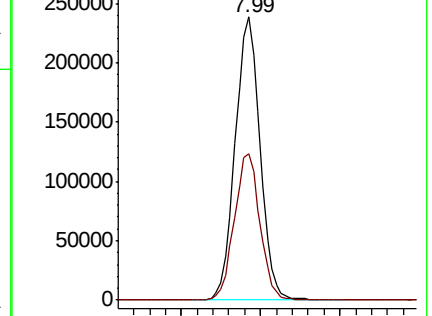
168 100

99 51.7 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 2.003 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD065079.D

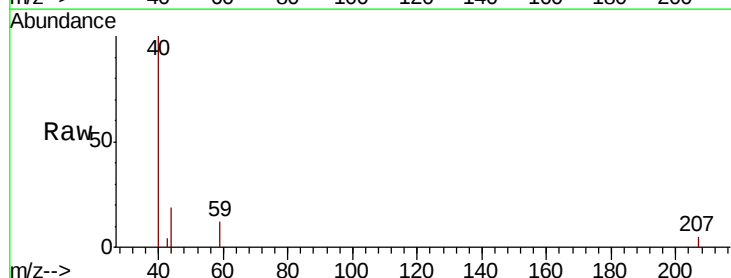
Acq: 06 Feb 2020 11:28

Tgt Ion: 59 Resp: 540

Ion Ratio Lower Upper

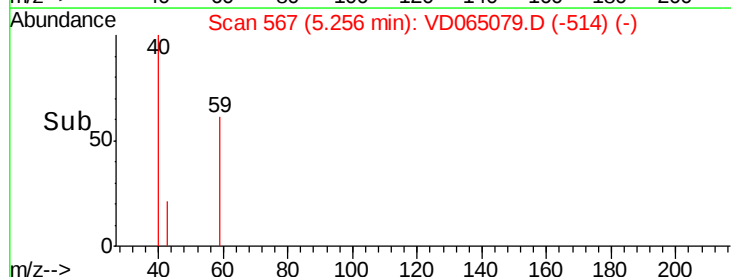
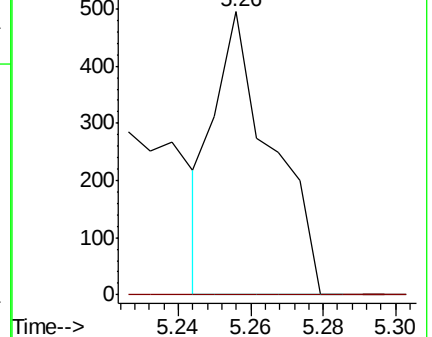
59 100

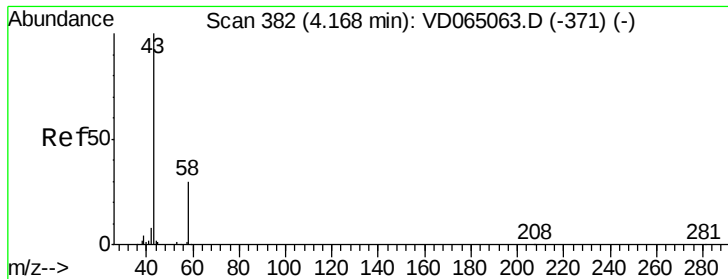
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

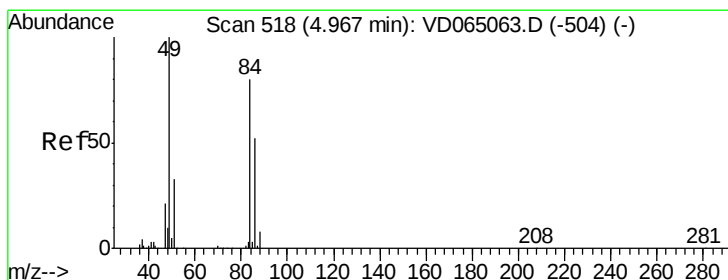
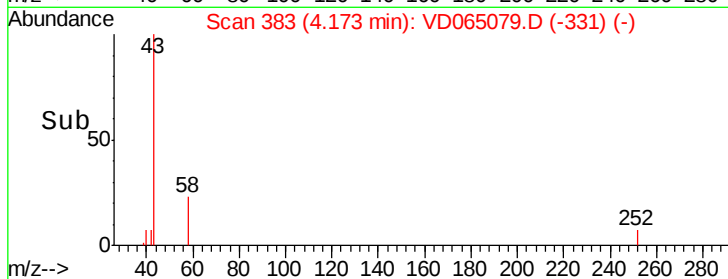
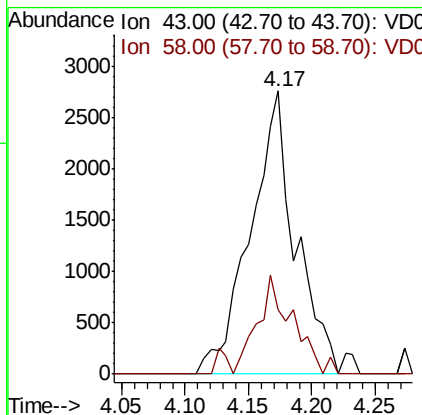
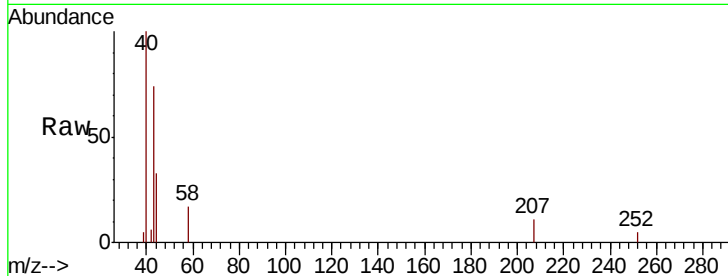




#16
Acetone
Concen: 6.191 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.01 min
Lab File: VD065079.D
Acq: 06 Feb 2020 11:28

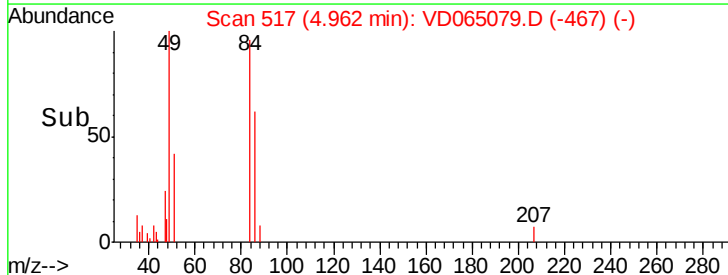
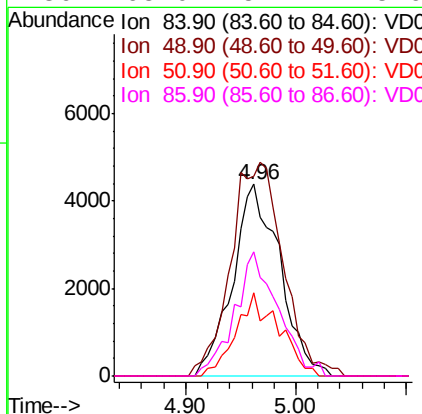
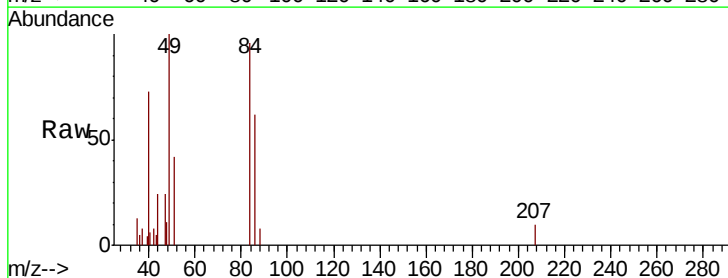
Instrument :
MSVOA_D
ClientSampleId :

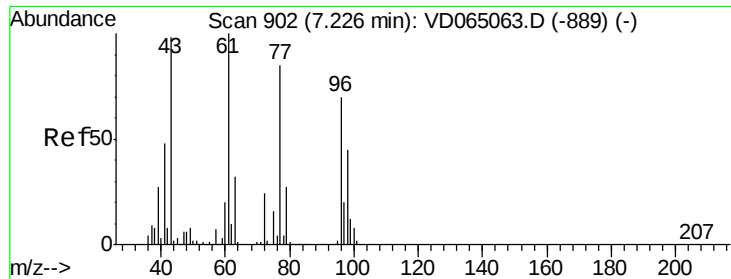
Tot Ion: 43 Resp: 6829
Ion Ratio Lower Upper
43 100
58 23.0 23.5 35.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065079.D
Acq: 06 Feb 2020 11:28

Tgt Ion: 84 Resp: 13130
Ion Ratio Lower Upper
84 100
49 104.3 100.4 150.6
51 43.7 32.7 49.1
86 65.0 52.4 78.6





#25

2-Butanone

Concen: 3.432 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065079.D

Acq: 06 Feb 2020 11:28

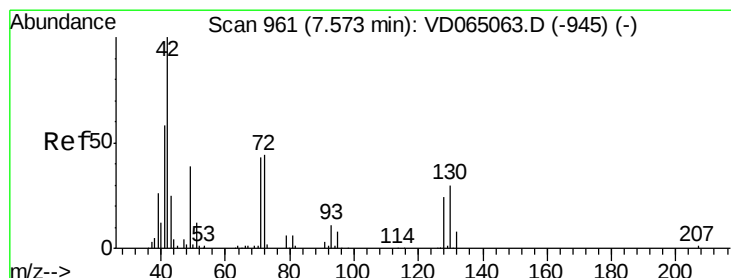
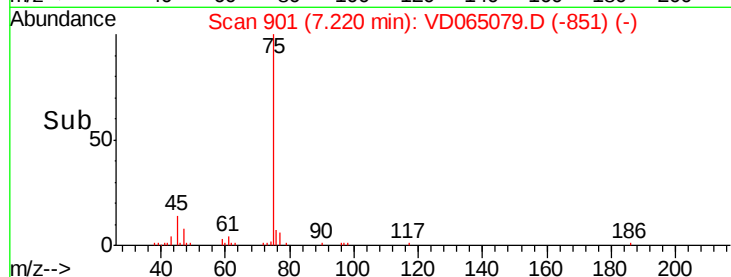
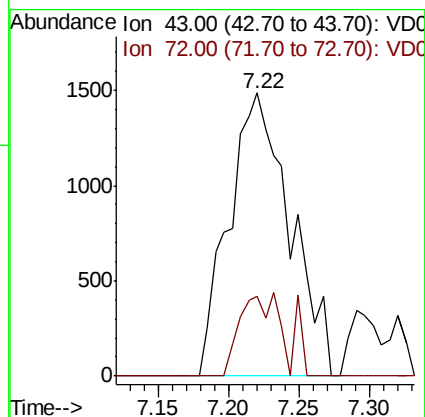
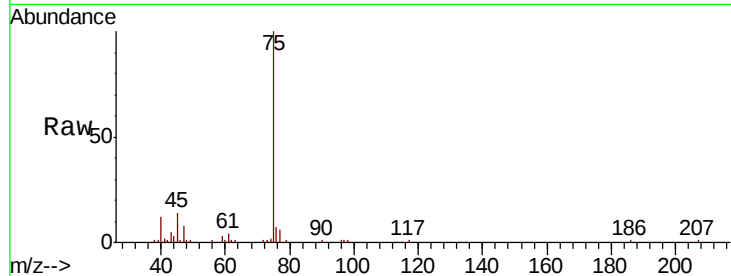
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 4516

Ion Ratio Lower Upper

43 100

72 28.3 19.9 29.9



#29

Tetrahydrofuran

Concen: 1.303 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065079.D

Acq: 06 Feb 2020 11:28

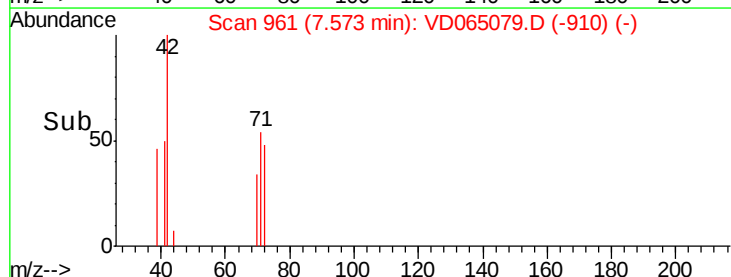
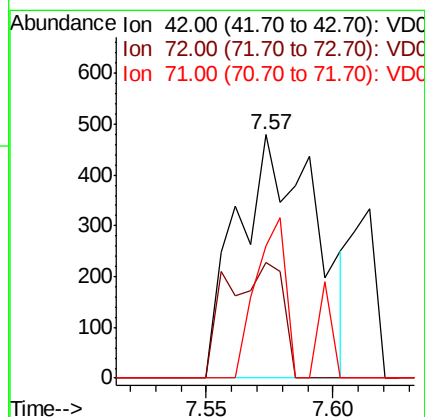
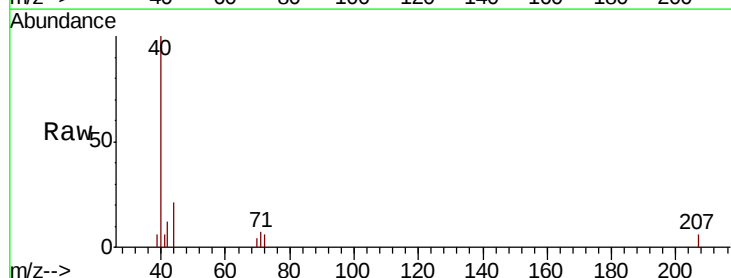
Tgt Ion: 42 Resp: 1037

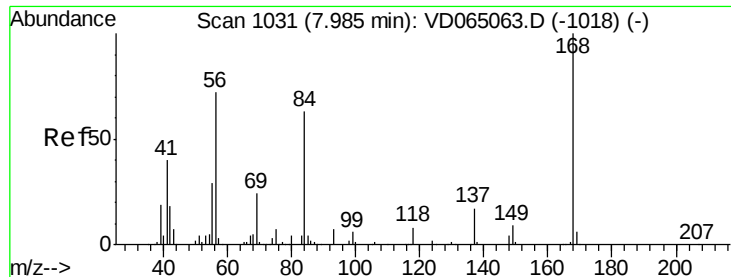
Ion Ratio Lower Upper

42 100

72 33.6 34.2 51.4#

71 25.1 31.8 47.6#

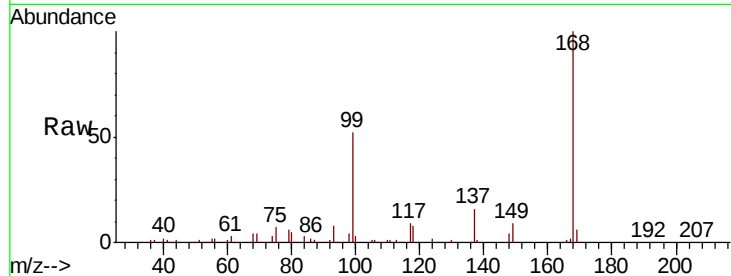




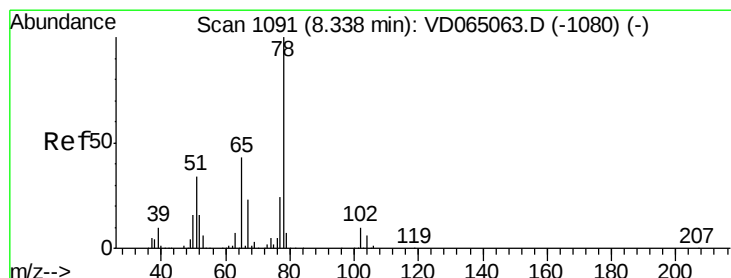
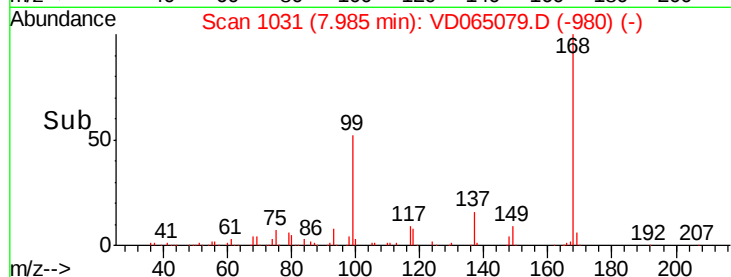
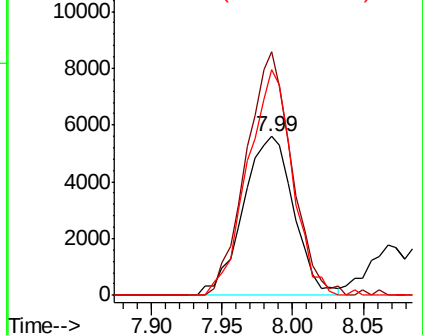
#31
Cyclohexane
Concen: 1.600 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065079.D
Acq: 06 Feb 2020 11:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 14046
Ion Ratio Lower Upper
56 100
69 153.2 26.6 40.0#
84 142.1 70.6 106.0#

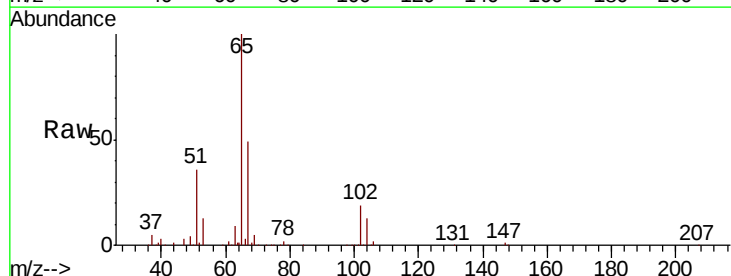


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

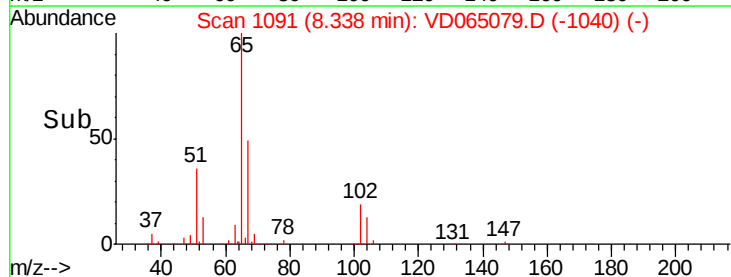
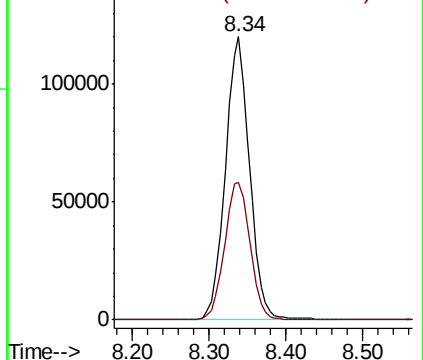


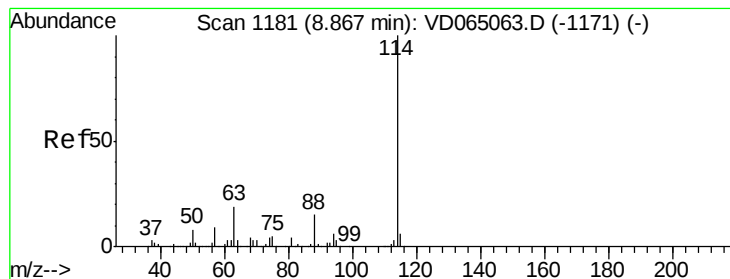
#33
1,2-Dichloroethane-d4
Concen: 59.587 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065079.D
Acq: 06 Feb 2020 11:28

Tgt Ion: 65 Resp: 262883
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.8



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: VD065079.D

Acq: 06 Feb 2020 11:28

Instrument :

MSVOA_D

ClientSampled :

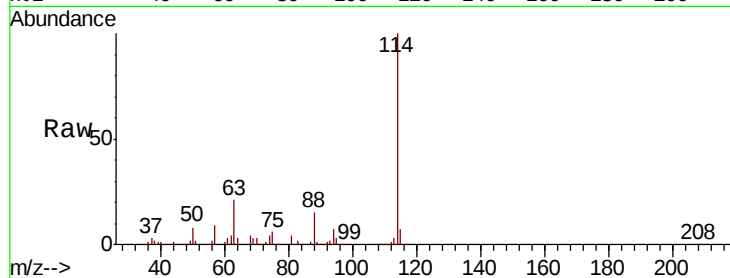
Tot Ion:114 Resp: 853130

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.8

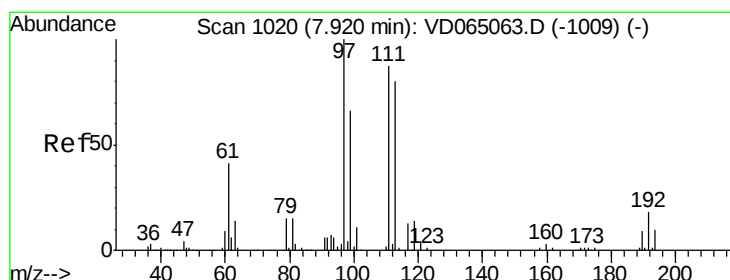
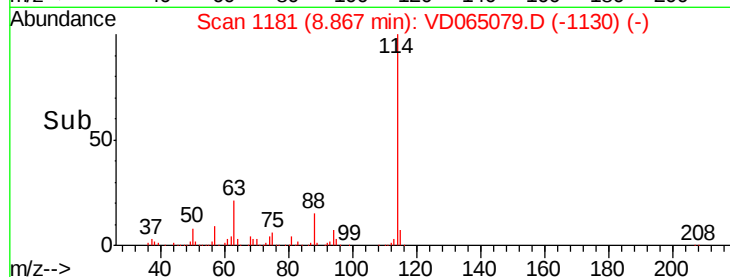
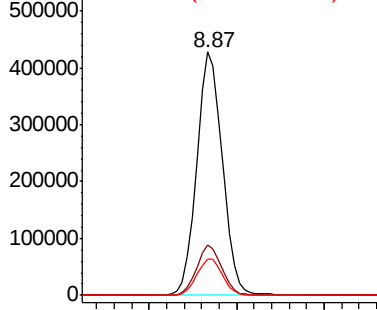
88 14.7 0.0 29.6



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: 56.175 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065079.D

Acq: 06 Feb 2020 11:28

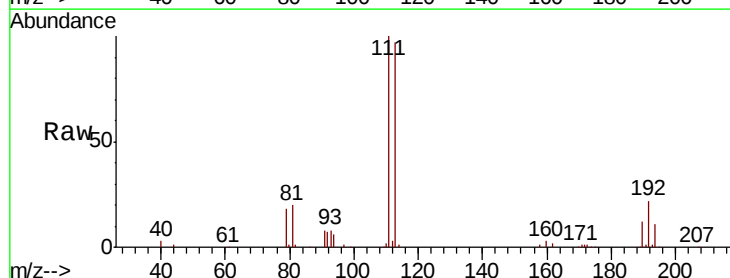
Tgt Ion:113 Resp: 267391

Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

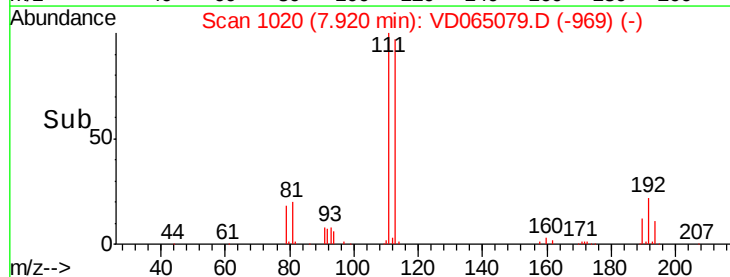
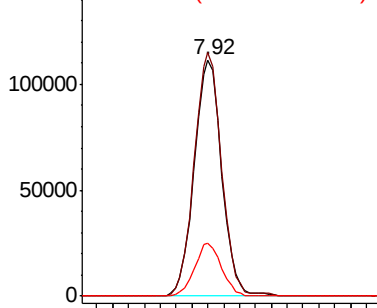
192 21.8 18.1 27.1

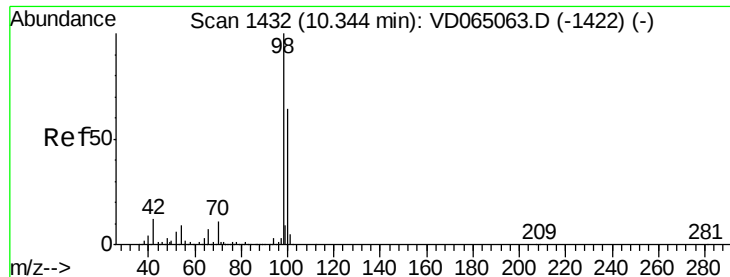


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

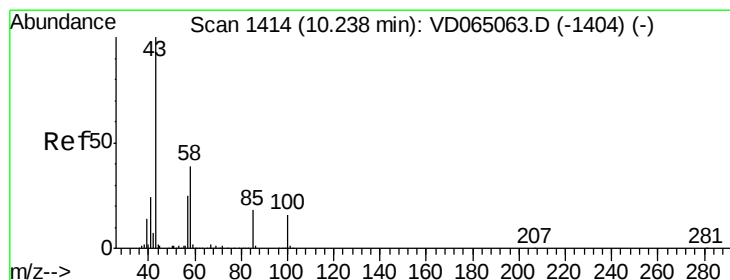
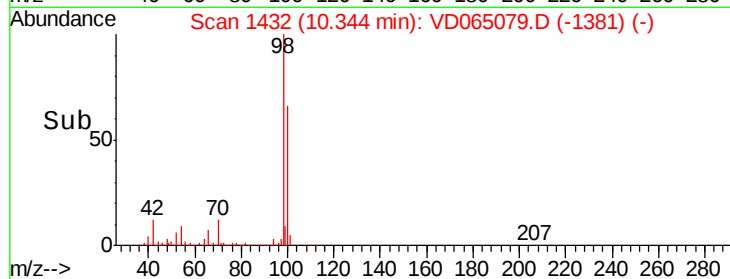
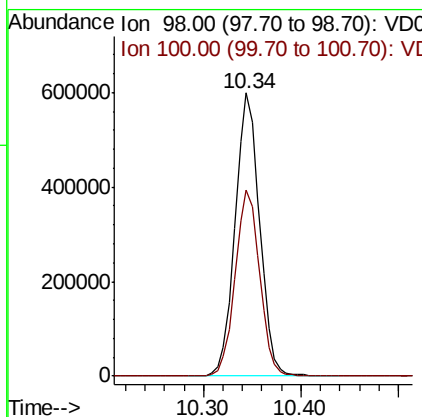
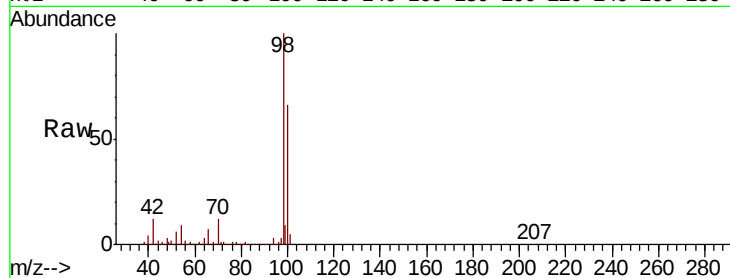




#50
Toluene-d8
Concen: 55.124 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065079.D
Acq: 06 Feb 2020 11:28

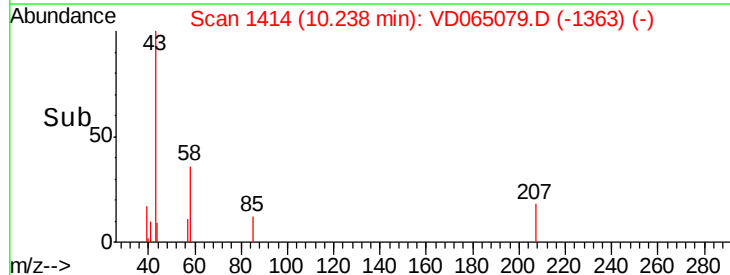
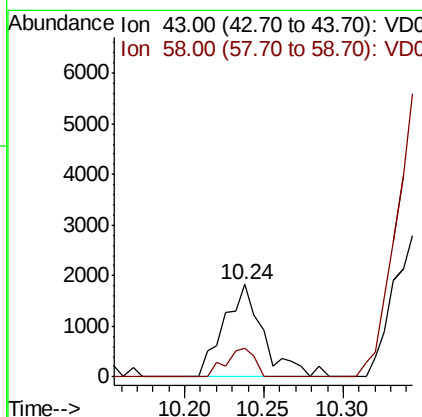
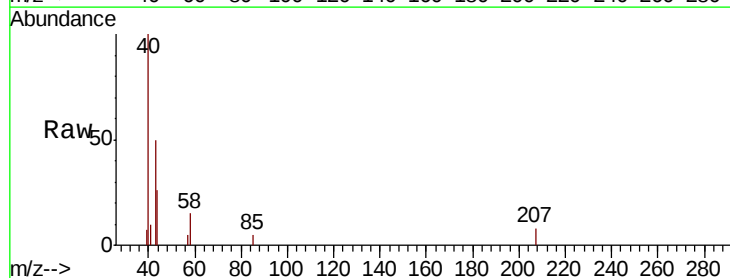
Instrument :
MSVOA_D
ClientSampleId :

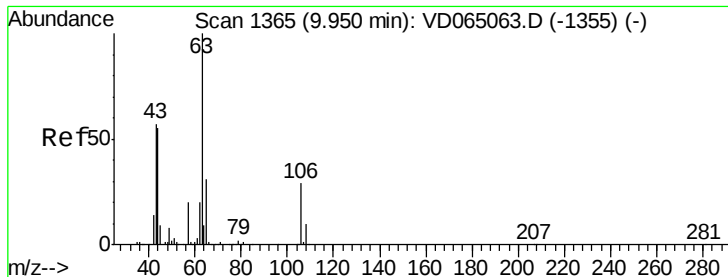
Tot Ion: 98 Resp: 1044377
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.043 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065079.D
Acq: 06 Feb 2020 11:28

Tgt Ion: 43 Resp: 3183
Ion Ratio Lower Upper
43 100
58 21.9 30.2 45.2#





#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.94 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VD065079.D

Acq: 06 Feb 2020 11:28

Instrument :

MSVOA_D

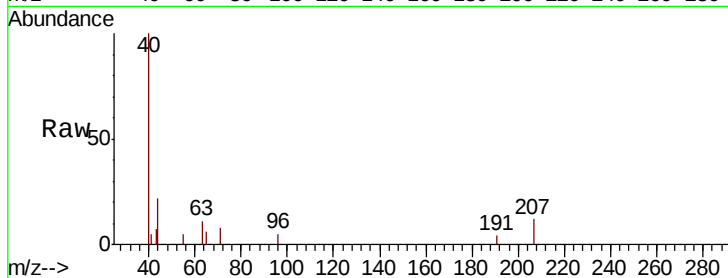
ClientSampleId :

Tot Ion: 63 Resp: 440

Ion Ratio Lower Upper

63 100

106 14.1 23.3 34.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

400

300

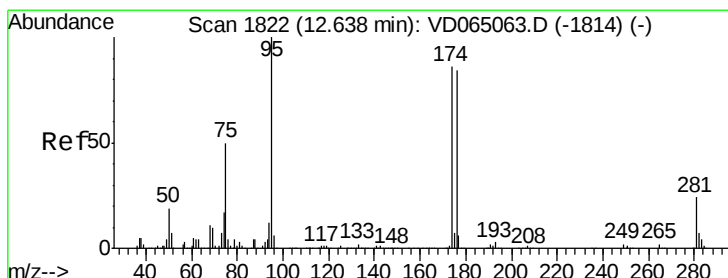
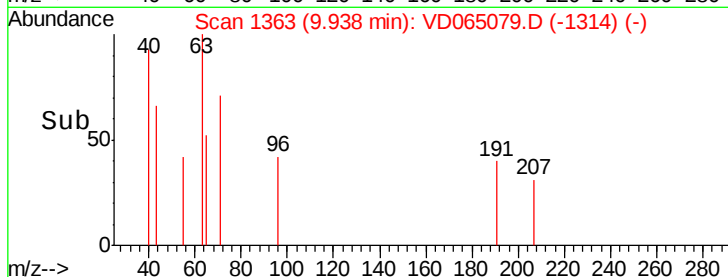
200

100

0

9.95

Time-->



#62

4-Bromofluorobenzene

Concen: 62.625 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065079.D

Acq: 06 Feb 2020 11:28

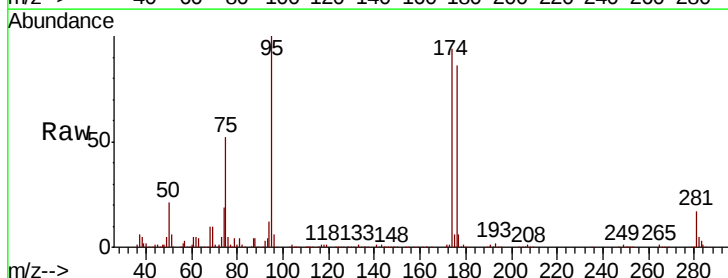
Tgt Ion: 95 Resp: 375953

Ion Ratio Lower Upper

95 100

174 91.0 0.0 180.0

176 86.5 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

150000

100000

50000

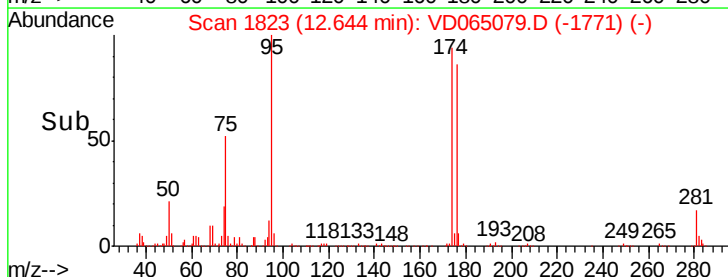
0

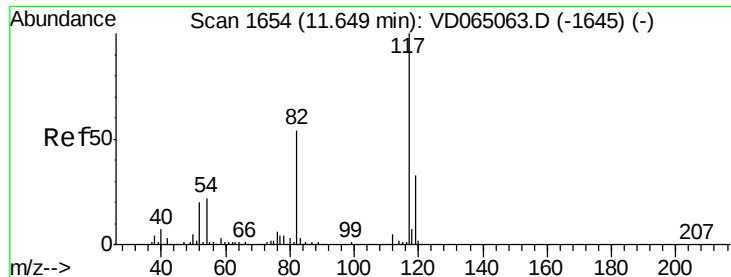
12.64

12.60

12.70

Time-->

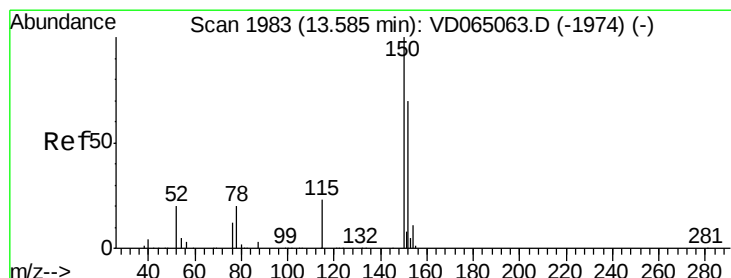
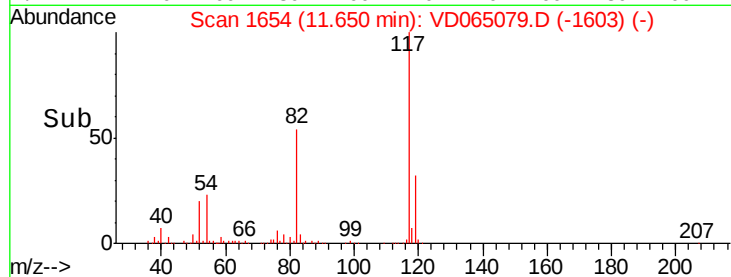
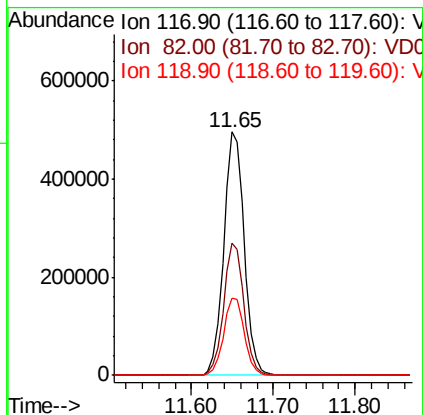
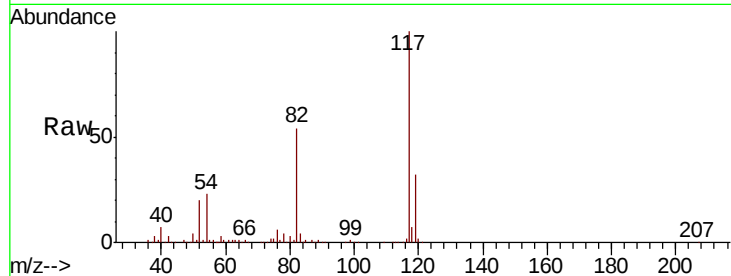




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065079.D
Acq: 06 Feb 2020 11:28

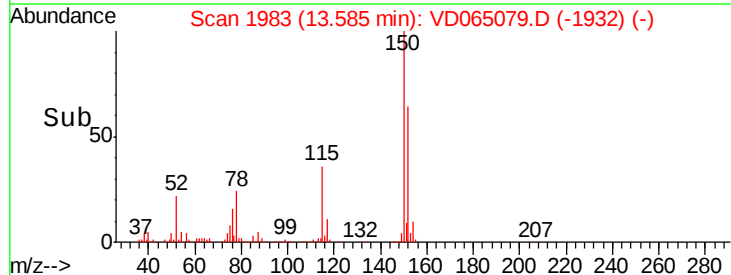
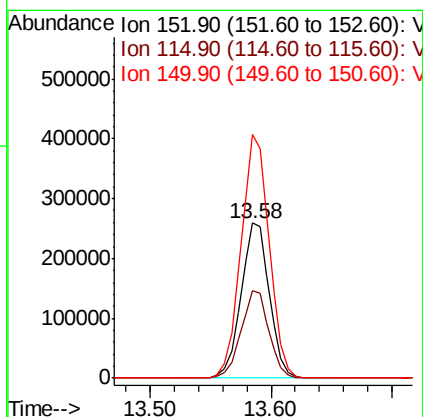
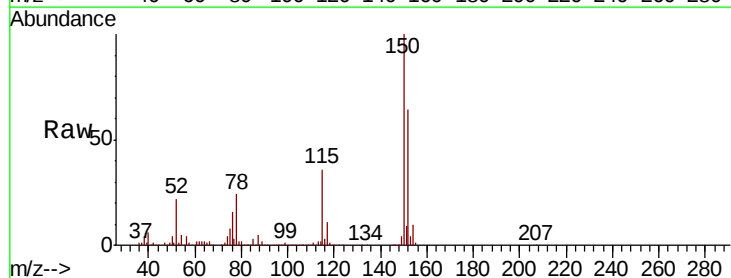
Instrument :
MSVOA_D
ClientSampleId :

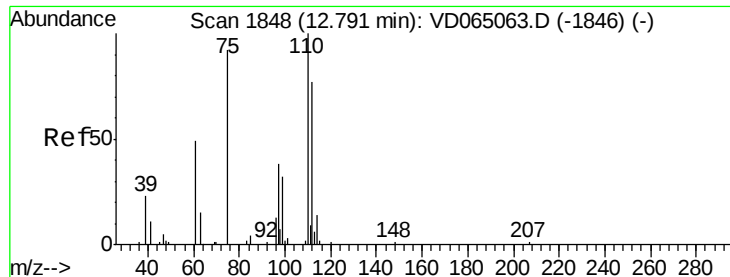
Tot Ion:117 Resp: 862491
Ion Ratio Lower Upper
117 100
82 54.5 43.1 64.7
119 31.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065079.D
Acq: 06 Feb 2020 11:28

Tgt Ion:152 Resp: 421019
Ion Ratio Lower Upper
152 100
115 55.7 27.5 82.4
150 157.0 0.0 343.2





#76

1,2,3-Trichloropropane

Concen: 62.676 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065079.D

Acq: 06 Feb 2020 11:28

Instrument :

MSVOA_D

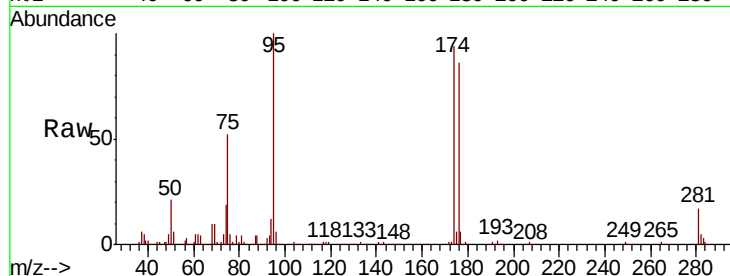
ClientSampleId :

Tot Ion: 75 Resp: 199782

Ion Ratio Lower Upper

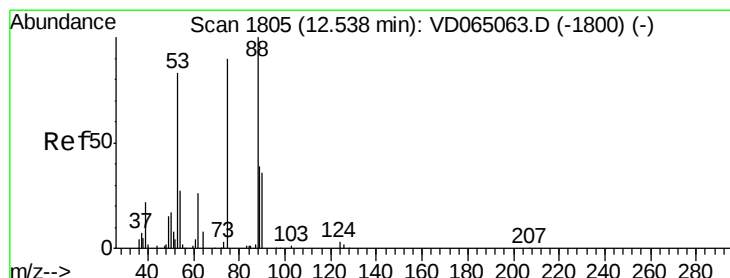
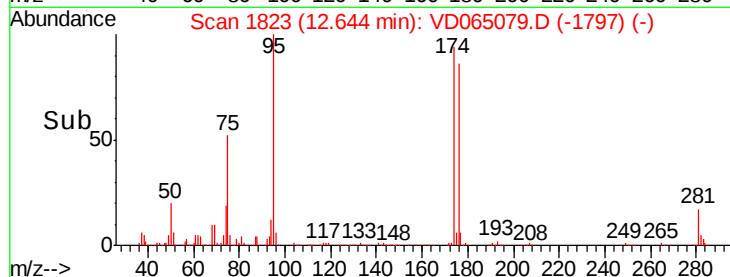
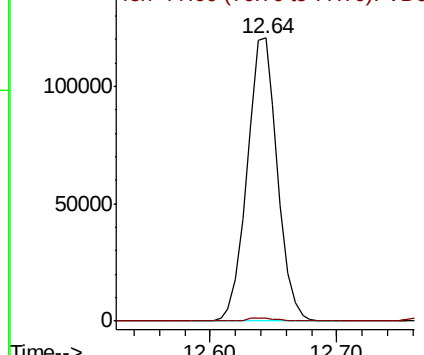
75 100

77 1.2 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: 125.346 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065079.D

Acq: 06 Feb 2020 11:28

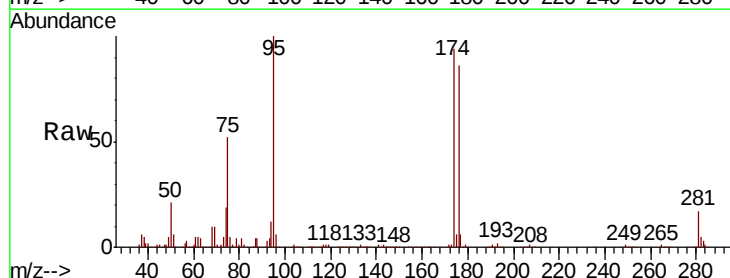
Tgt Ion: 75 Resp: 199782

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 37.0 55.4#



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

