

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067083.D
 Acq On : 05 Oct 2020 15:02
 Operator : VA/SY
 Sample : L4190-01
 Misc : 6.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B14-092920-0-1

Quant Time: Oct 06 07:18:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	561141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	938863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	843351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	391879	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	263104	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
35) Dibromofluoromethane	7.91	113	297498	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	10.34	98	1088844	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.64	95	362826	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

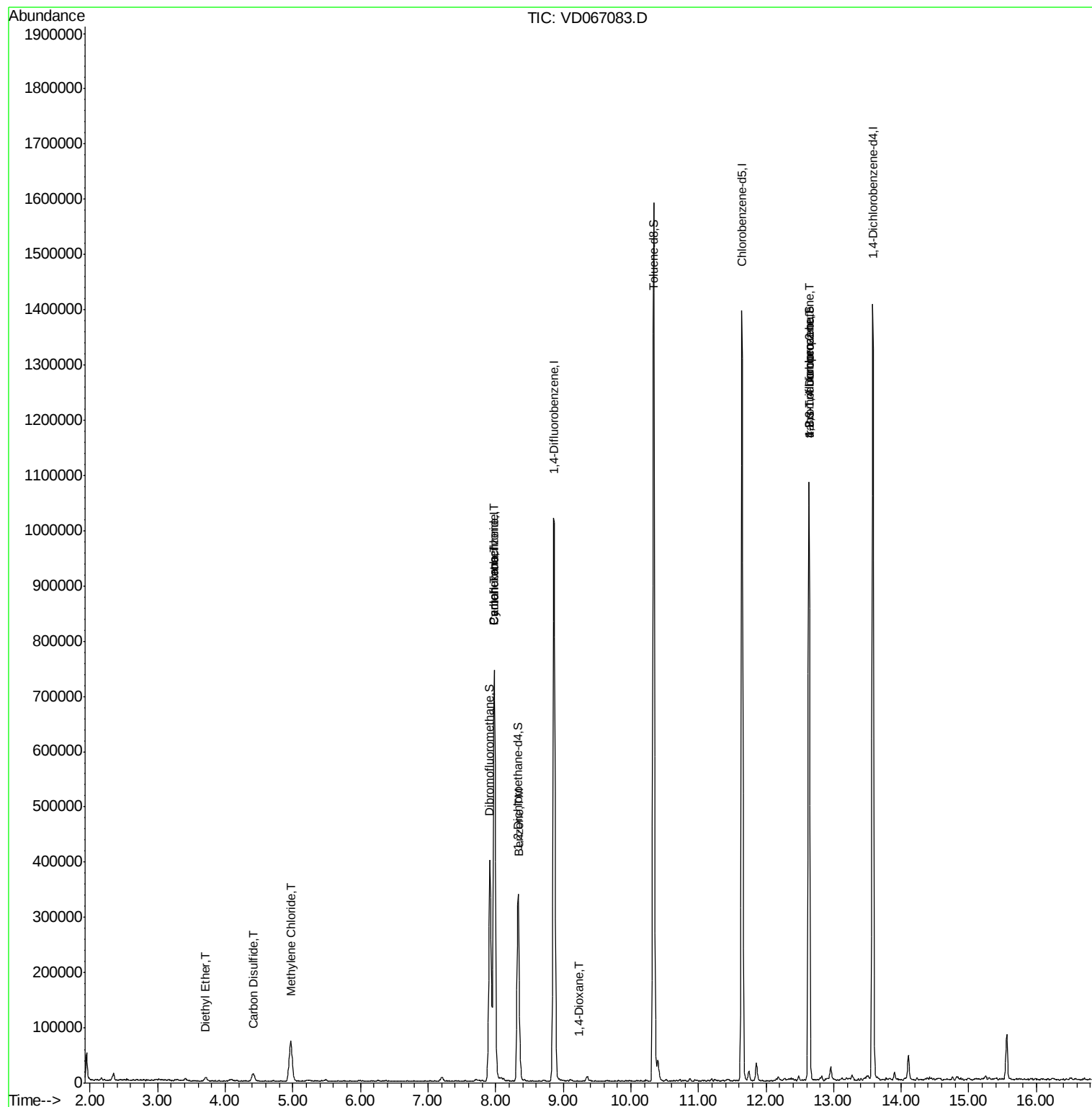
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1591	Below Cal		87
5) Bromomethane	2.79	94	1338	Below Cal	#	51
8) Diethyl Ether	3.71	74	3446	1.396	ug/l	81
11) Tert butyl alcohol	5.21	59	4063	Below Cal	#	80
17) Carbon Disulfide	4.41	76	30674	1.890	ug/l	98
20) Methylene Chloride	4.97	84	61047	3.689	ug/l	# 93
26) 2,2-Dichloropropane	7.20	77	1928	Below Cal	#	60
31) Cyclohexane	7.98	56	12425	1.531	ug/l	# 24
38) Carbon Tetrachloride	7.98	117	55743	5.887	ug/l	# 16
40) Benzene	8.34	78	27939	1.149	ug/l	92
49) 1,4-Dioxane	9.23	88	95	2.773	ug/l	# 25
76) 1,2,3-Trichloropropane	12.64	75	178726	52.360	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	178726	130.541	ug/l	# 12

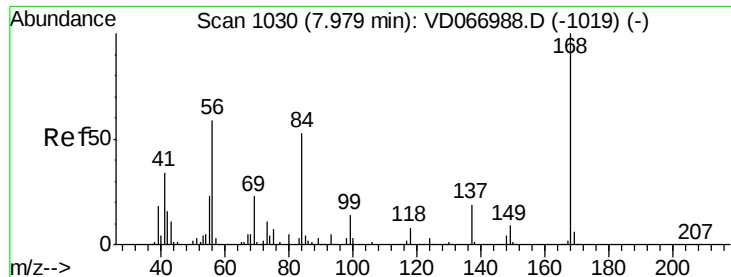
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100520\
Data File : VD067083.D
Acq On : 05 Oct 2020 15:02
Operator : VA/SY
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PAV-B14-092920-0-1

Quant Time: Oct 06 07:18:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067083.D

Acq: 05 Oct 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

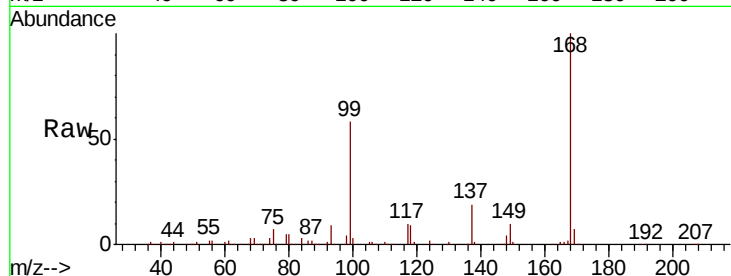
PAV-B14-092920-0-1

Tot Ion:168 Resp: 561141

Ion Ratio Lower Upper

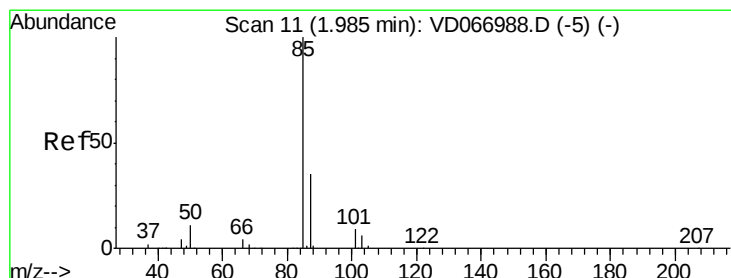
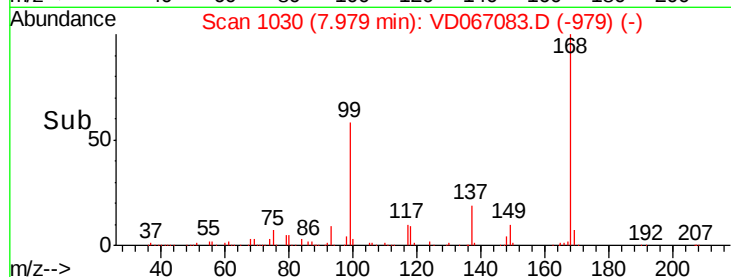
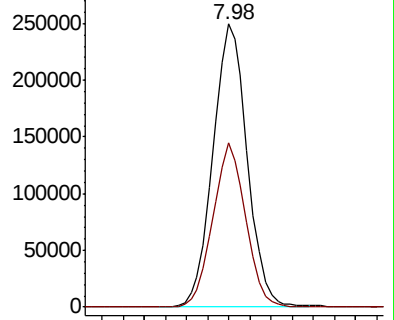
168 100

99 58.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067083.D

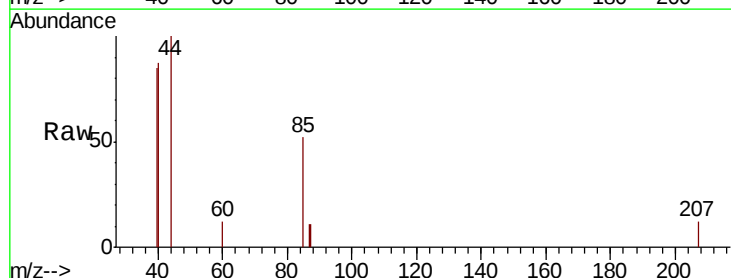
Acq: 05 Oct 2020 15:02

Tgt Ion: 85 Resp: 1591

Ion Ratio Lower Upper

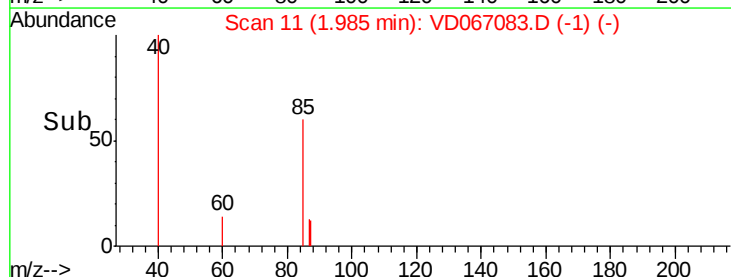
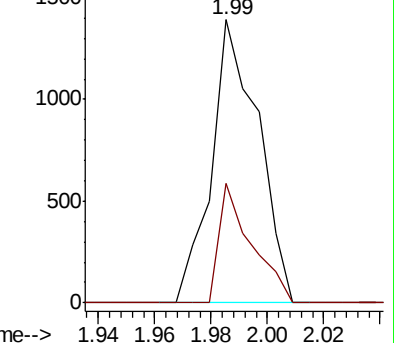
85 100

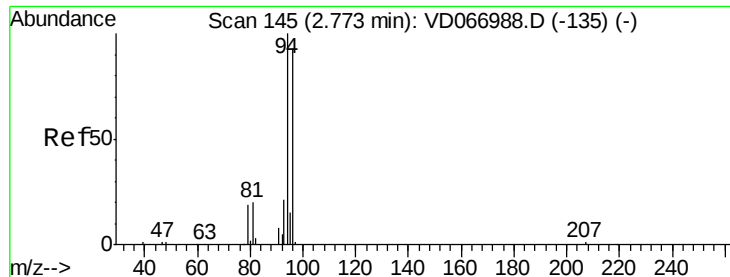
87 42.2 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067083.D

Acq: 05 Oct 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

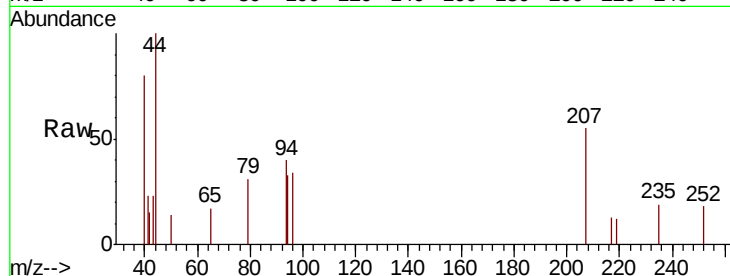
PAV-B14-092920-0-1

Tot Ion: 94 Resp: 1338

Ion Ratio Lower Upper

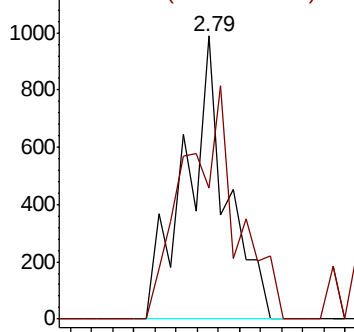
94 100

96 46.2 74.6 112.0#

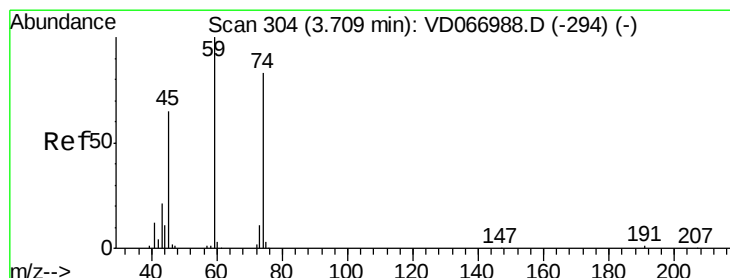
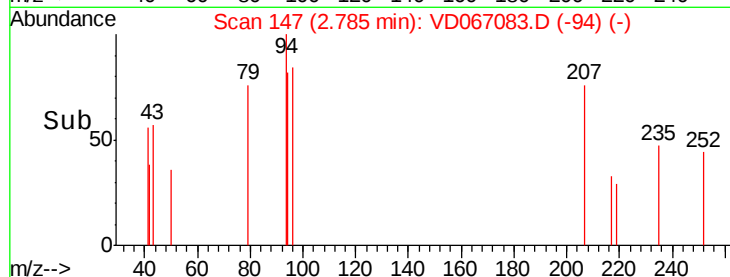


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#8

Diethyl Ether

Concen: 1.396 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD067083.D

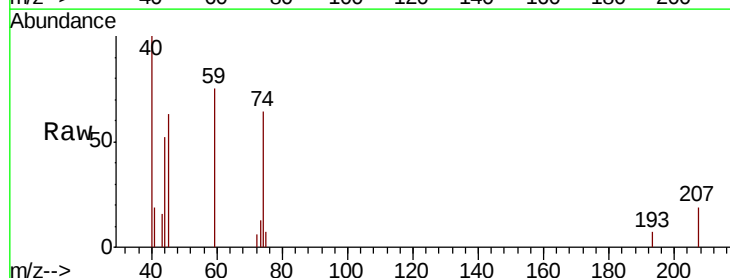
Acq: 05 Oct 2020 15:02

Tgt Ion: 74 Resp: 3446

Ion Ratio Lower Upper

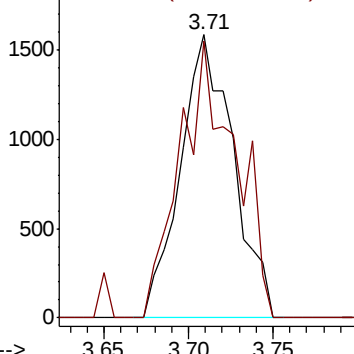
74 100

45 103.4 43.1 129.3

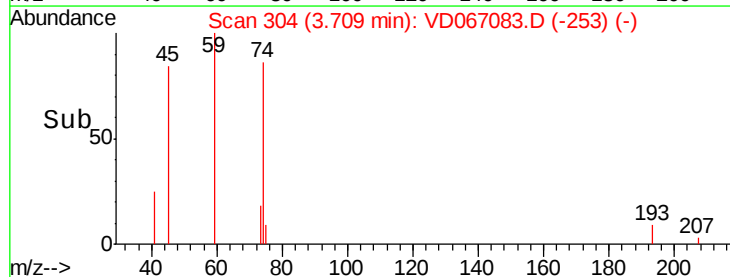


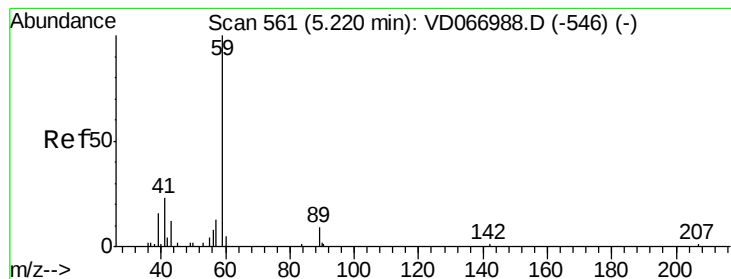
Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



Time-->



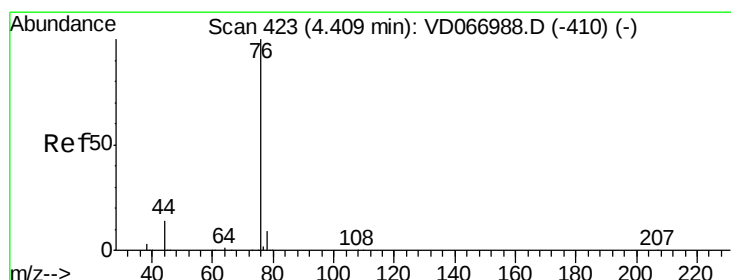
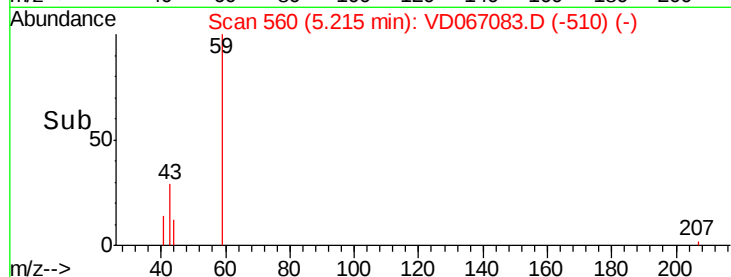
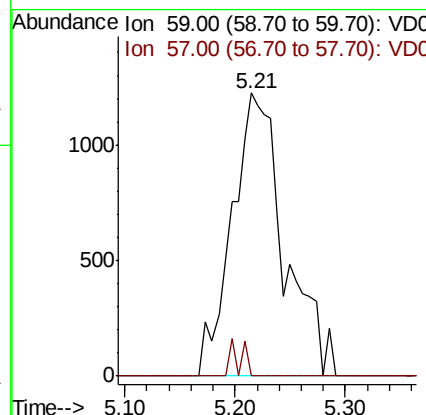
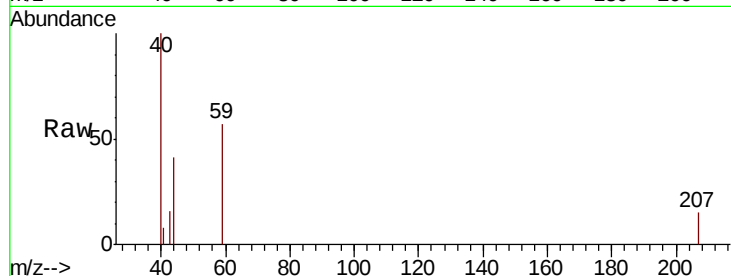


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067083.D
 Acq: 05 Oct 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B14-092920-0-1

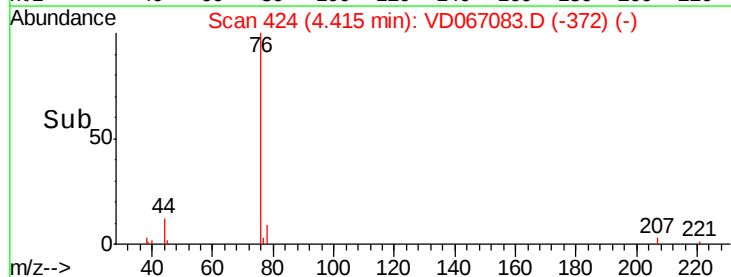
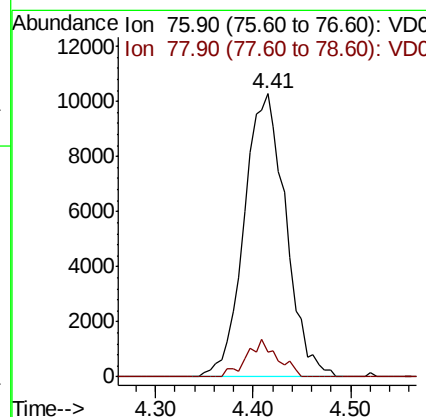
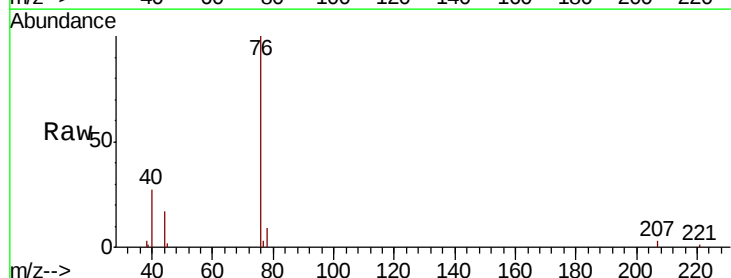
Tot Ion: 59 Resp: 4063
 Ion Ratio Lower Upper
 59 100
 57 2.7 8.2 12.4#

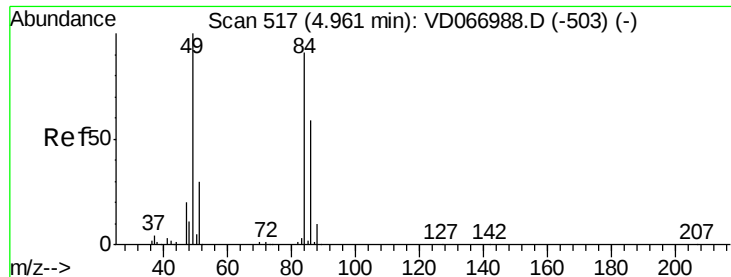


#17

Carbon Disulfide
 Concen: 1.890 ug/l
 RT: 4.41 min Scan# 424
 Delta R.T. 0.01 min
 Lab File: VD067083.D
 Acq: 05 Oct 2020 15:02

Tgt Ion: 76 Resp: 30674
 Ion Ratio Lower Upper
 76 100
 78 8.8 7.5 11.3





#20

Methvlene Chloride

Concen: 3.689 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067083.D

Acq: 05 Oct 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

PAV-B14-092920-0-1

Tot Ion: 84 Resp: 61047

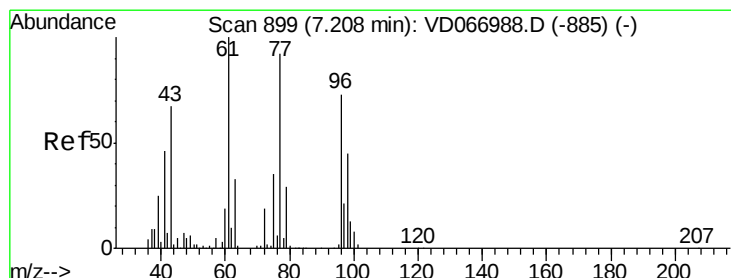
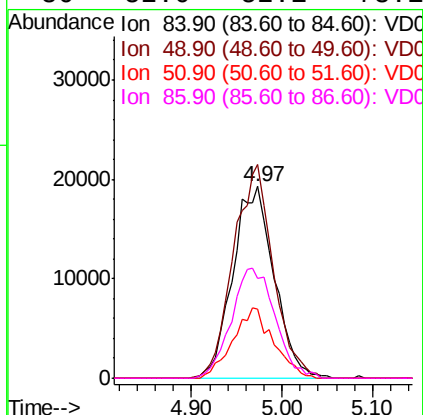
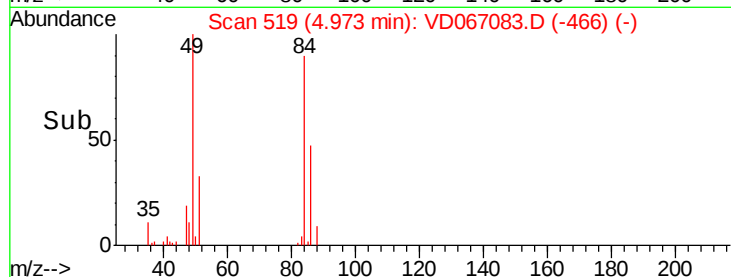
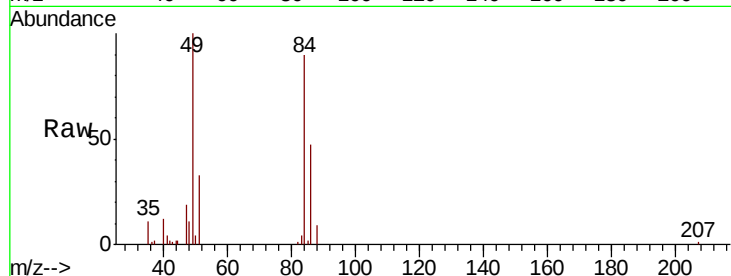
Ion Ratio Lower Upper

84 100

49 111.3 88.2 132.2

51 36.3 26.6 39.8

86 52.0 52.1 78.1#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067083.D

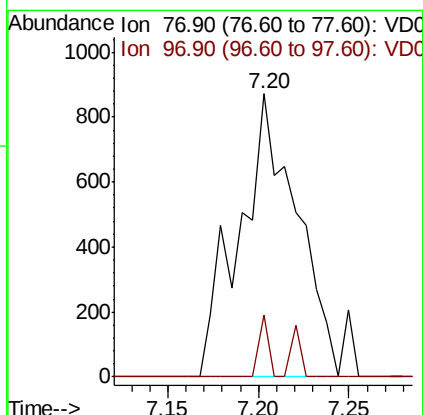
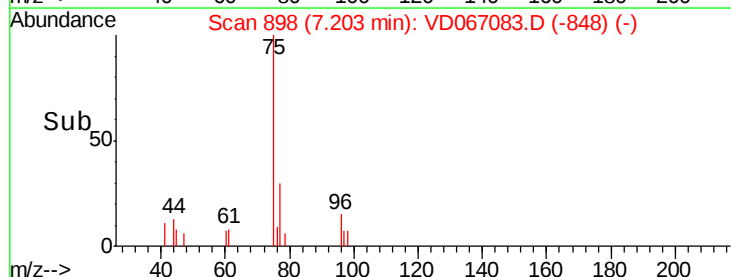
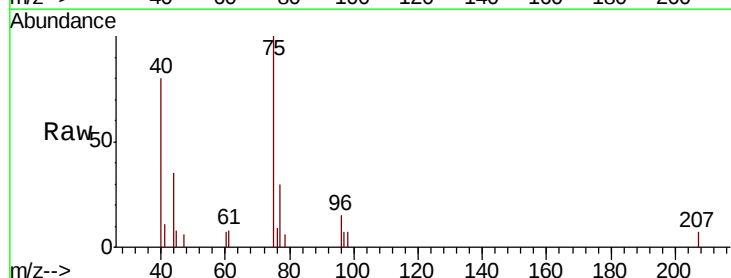
Acq: 05 Oct 2020 15:02

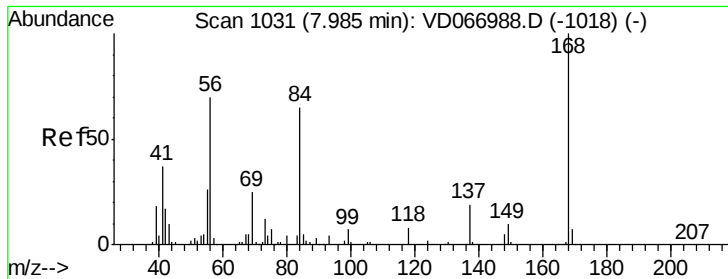
Tgt Ion: 77 Resp: 1928

Ion Ratio Lower Upper

77 100

97 3.5 11.4 34.2#

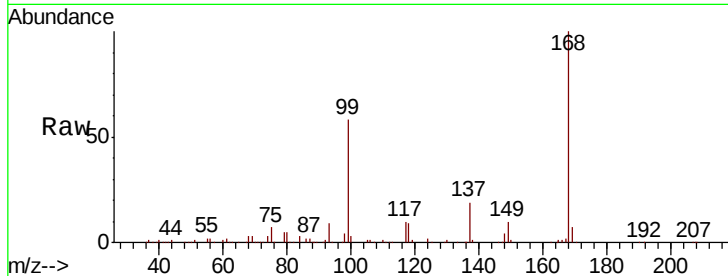




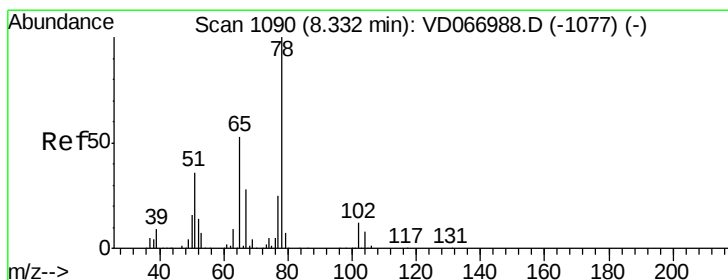
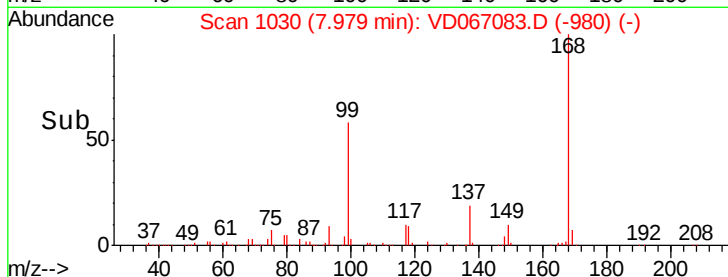
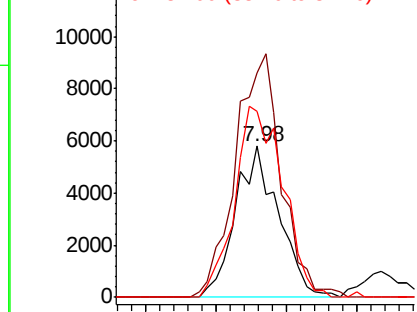
#31
Cyclohexane
Concen: 1.531 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067083.D
Acq: 05 Oct 2020 15:02

Instrument :
MSVOA_D
ClientSampleId :
PAV-B14-092920-0-1

Tot Ion: 56 Resp: 12425
Ion Ratio Lower Upper
56 100
69 148.5 29.0 43.6#
84 123.3 74.2 111.2#

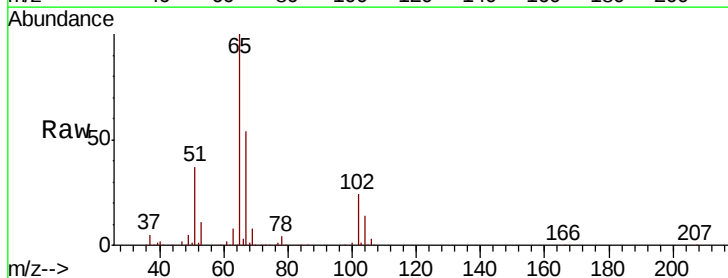


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

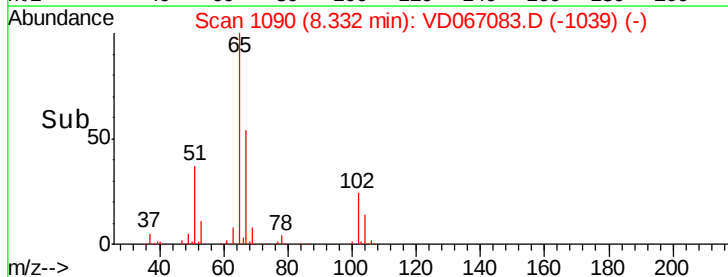
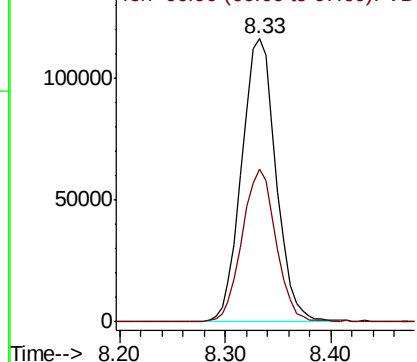


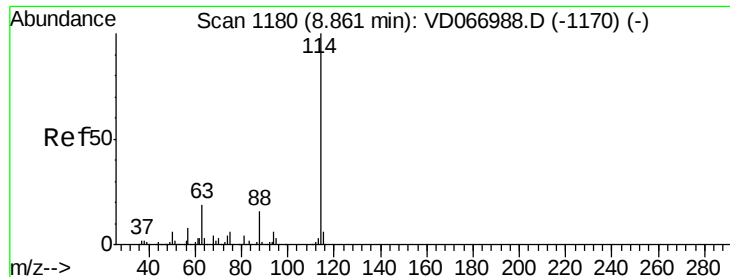
#33
1,2-Dichloroethane-d4
Concen: 48.679 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067083.D
Acq: 05 Oct 2020 15:02

Tgt Ion: 65 Resp: 263104
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8



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

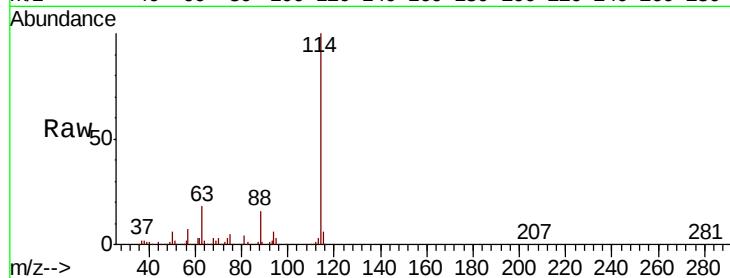




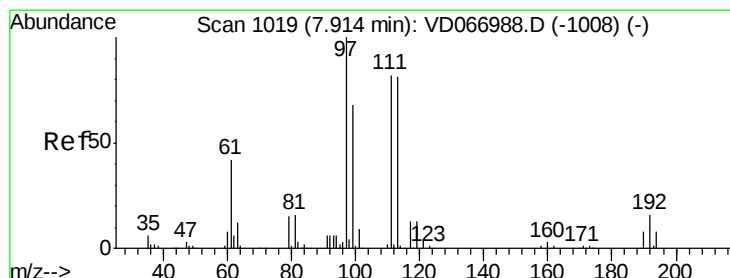
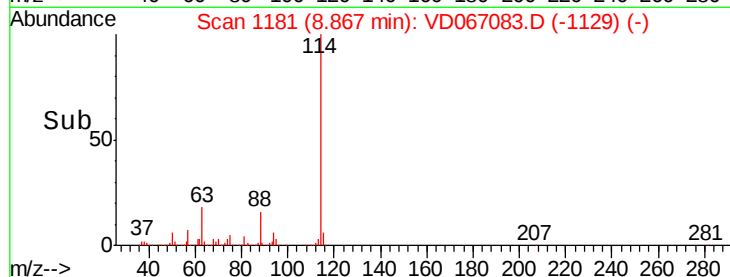
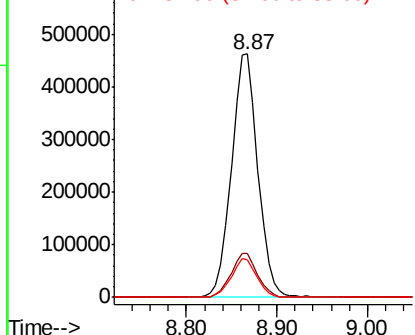
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067083.D
 Acq: 05 Oct 2020 15:02

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B14-092920-0-1

Tot Ion:114 Resp: 938863
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 38.4
 88 15.6 0.0 31.2

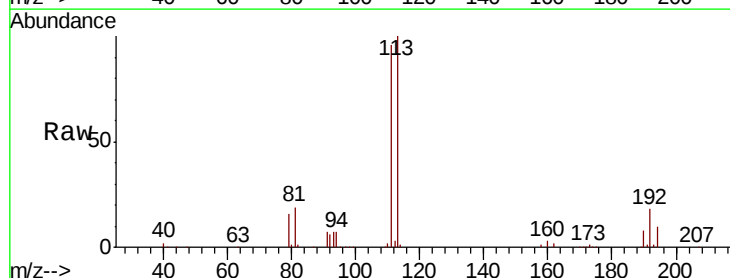


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

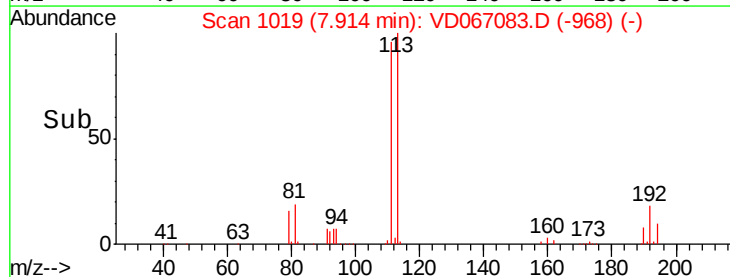
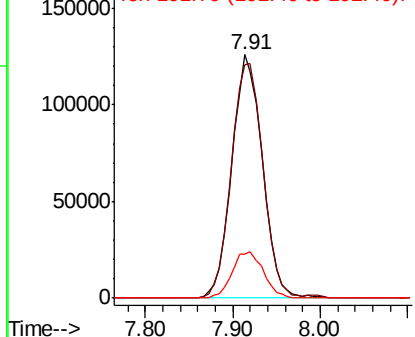


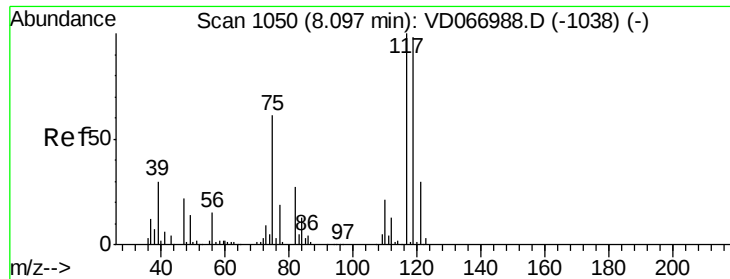
#35
 Dibromofluoromethane
 Concen: 48.401 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067083.D
 Acq: 05 Oct 2020 15:02

Tgt Ion:113 Resp: 297498
 Ion Ratio Lower Upper
 113 100
 111 99.7 83.0 124.4
 192 19.4 15.5 23.3



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





#38

Carbon Tetrachloride

Concen: 5.887 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067083.D

Acq: 05 Oct 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

PAV-B14-092920-0-1

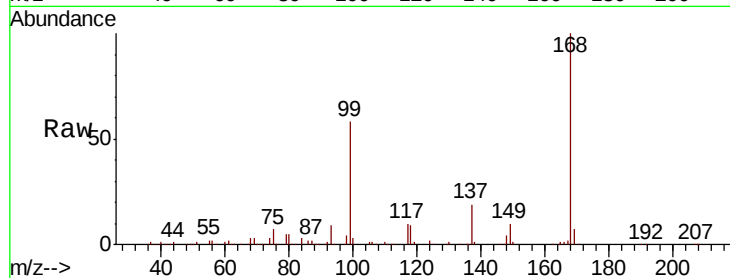
Tot Ion:117 Resp: 55743

Ion Ratio Lower Upper

117 100

119 5.9 78.7 118.1#

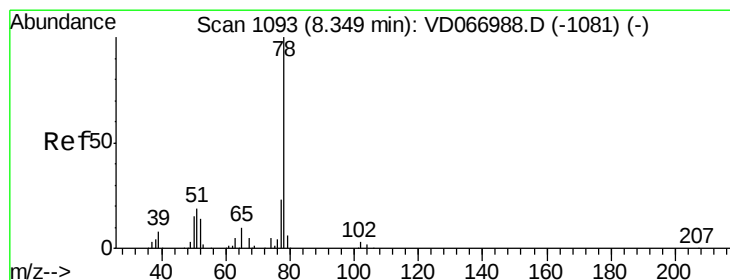
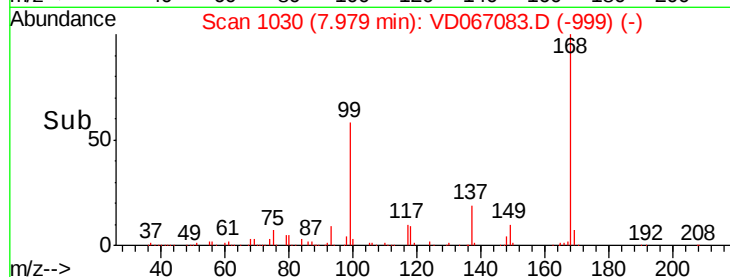
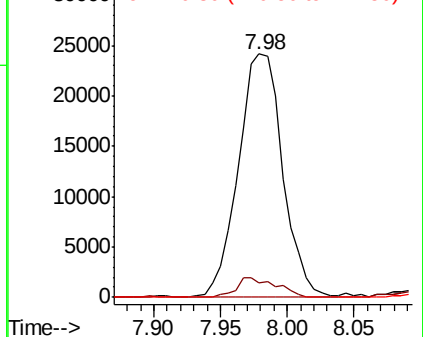
121 0.0 24.2 36.2#



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



#40

Benzene

Concen: 1.149 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD067083.D

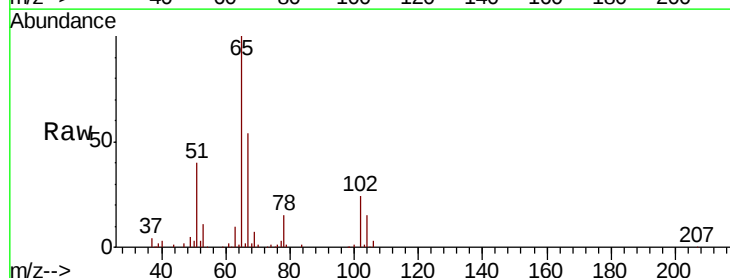
Acq: 05 Oct 2020 15:02

Tgt Ion: 78 Resp: 27939

Ion Ratio Lower Upper

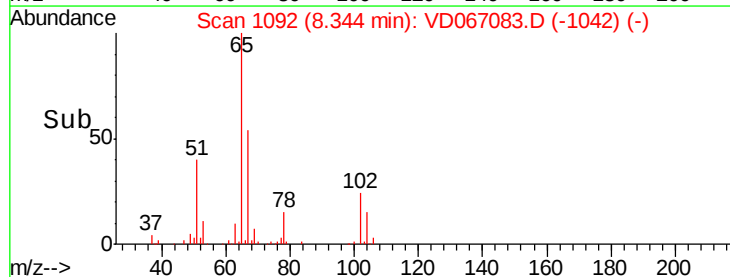
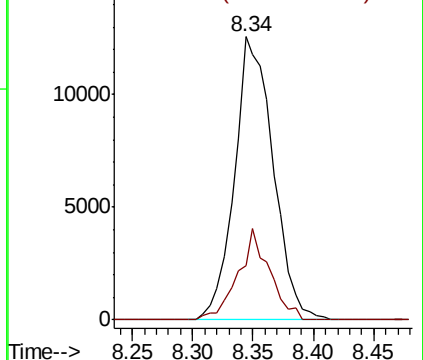
78 100

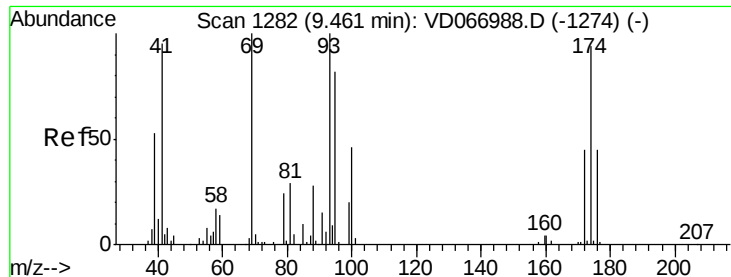
77 19.1 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC





#49

1,4-Dioxane

Concen: 2.773 ug/l

RT: 9.23 min Scan# 1243

Delta R.T. -0.23 min

Lab File: VD067083.D

Acq: 05 Oct 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

PAV-B14-092920-0-1

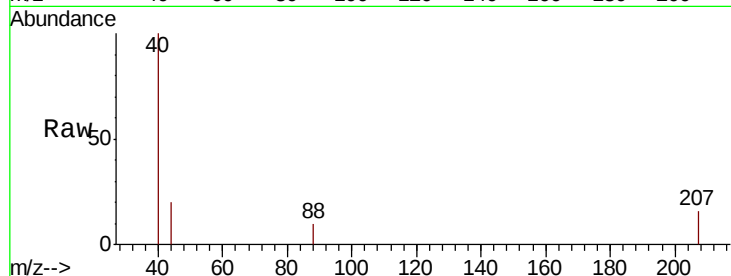
Tot Ion: 88 Resp: 95

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

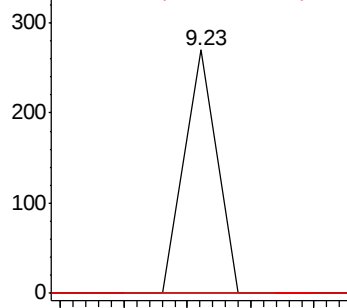
58 0.0 53.5 80.3#



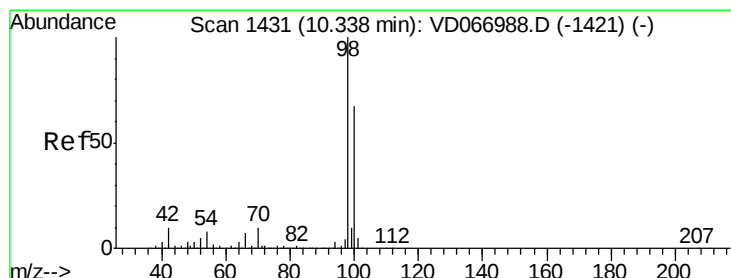
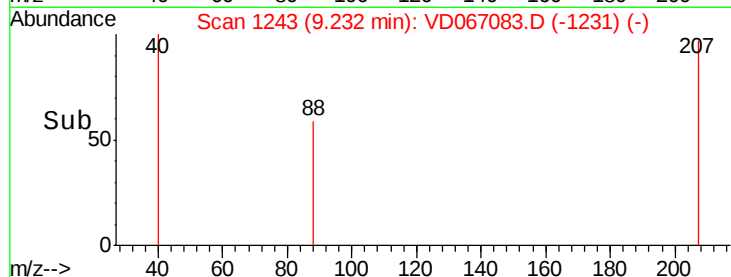
Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#50

Toluene-d8

Concen: 48.615 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067083.D

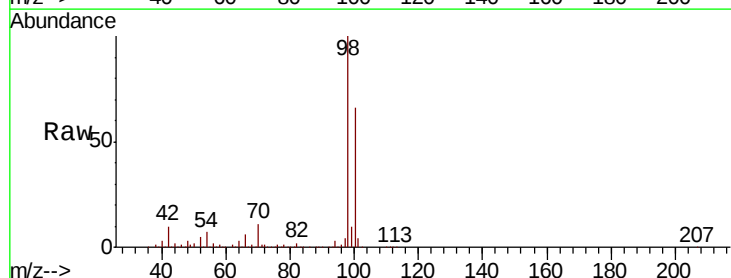
Acq: 05 Oct 2020 15:02

Tgt Ion: 98 Resp: 1088844

Ion Ratio Lower Upper

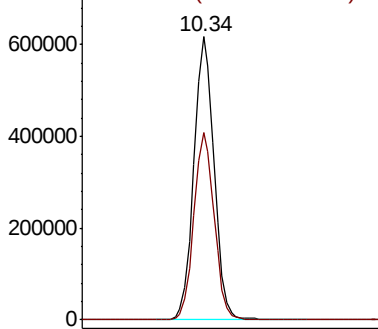
98 100

100 66.7 52.8 79.2

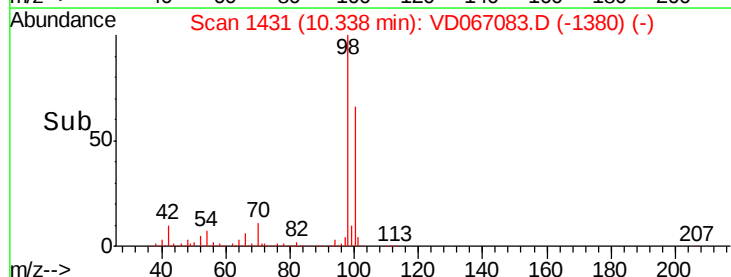


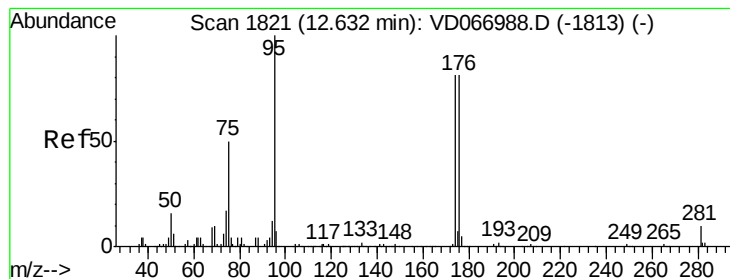
Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



Time-->





#62

4-Bromofluorobenzene

Concen: 47.719 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067083.D

Acq: 05 Oct 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

PAV-B14-092920-0-1

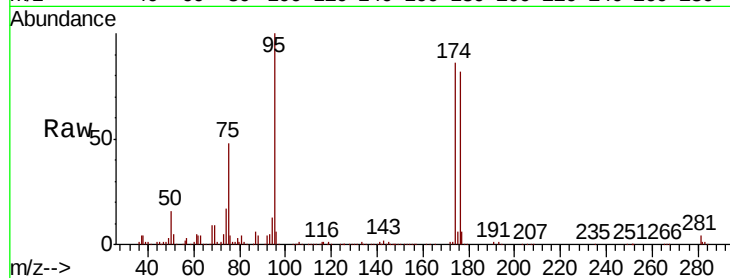
Tot Ion: 95 Resp: 362826

Ion Ratio Lower Upper

95 100

174 83.6 0.0 167.6

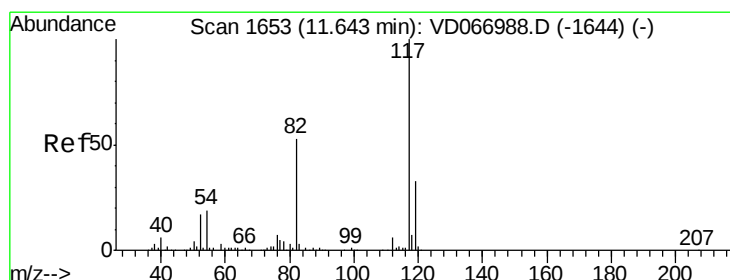
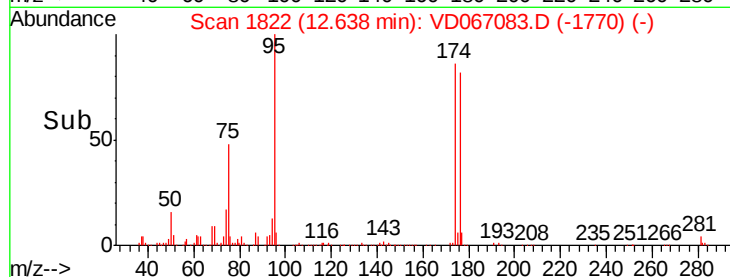
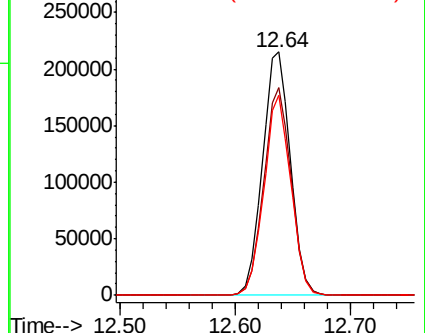
176 79.3 0.0 162.4



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: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD067083.D

Acq: 05 Oct 2020 15:02

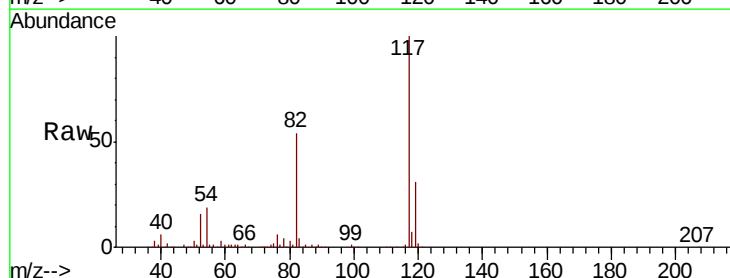
Tgt Ion: 117 Resp: 843351

Ion Ratio Lower Upper

117 100

82 54.5 42.6 63.8

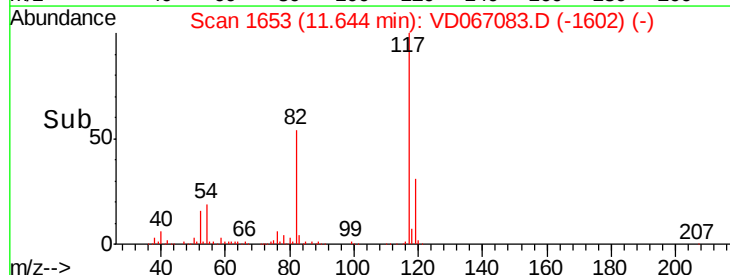
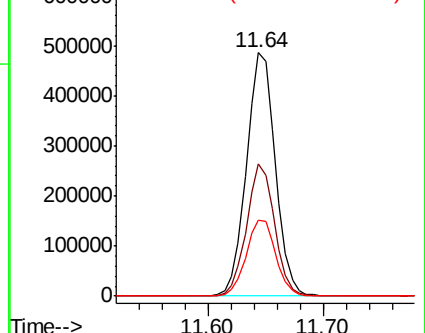
119 31.1 26.3 39.5

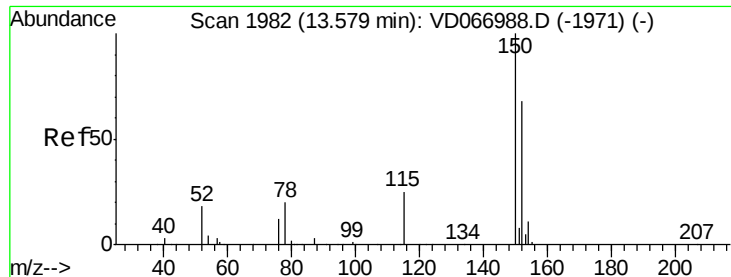


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1982

Delta R.T. 0.00 min

Lab File: VD067083.D

Acq: 05 Oct 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

PAV-B14-092920-0-1

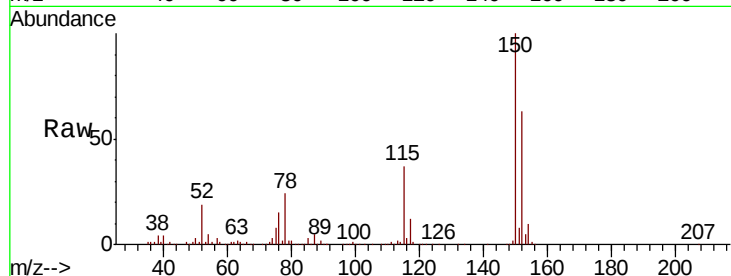
Tot Ion:152 Resp: 391879

Ion Ratio Lower Upper

152 100

115 59.0 29.6 88.8

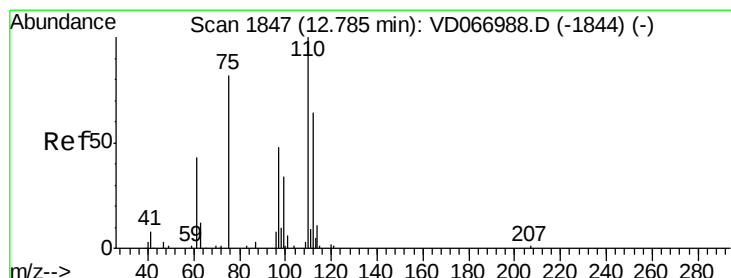
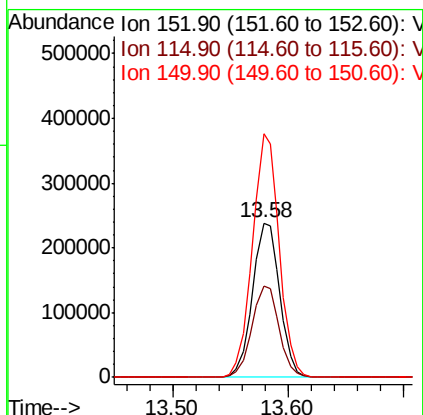
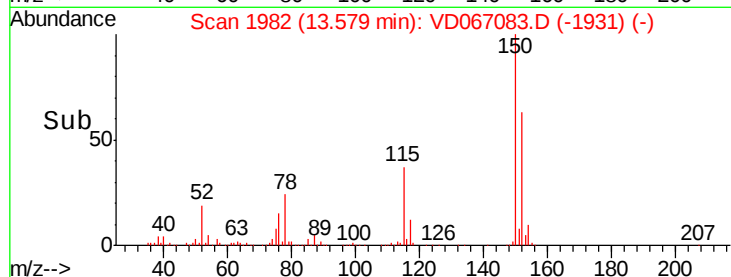
150 154.5 0.0 344.8



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: 52.360 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067083.D

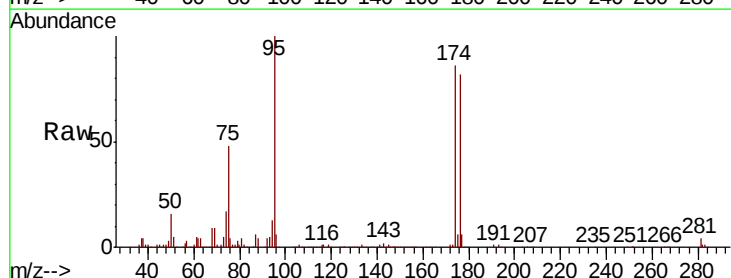
Acq: 05 Oct 2020 15:02

Tgt Ion: 75 Resp: 178726

Ion Ratio Lower Upper

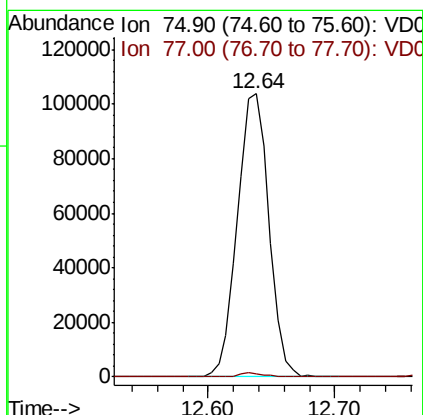
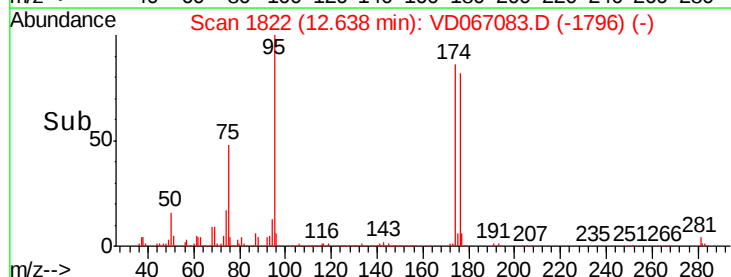
75 100

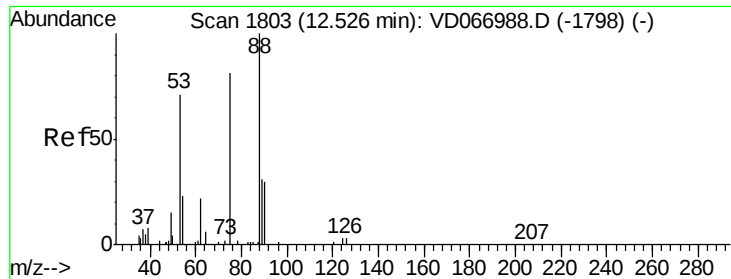
77 1.3 0.0 0.0#



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: 130.541 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067083.D

Acq: 05 Oct 2020 15:02

Instrument :

MSVOA_D

ClientSampleId :

PAV-B14-092920-0-1

Tot Ion: 75 Resp: 178726

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 38.9 58.3#

