

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067097.D
 Acq On : 06 Oct 2020 10:22
 Operator : VA/SY
 Sample : VD1006SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBL01

Quant Time: Oct 07 01:09:16 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	462144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	772827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	721765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	338201	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	237875	53.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.88%	
35) Dibromofluoromethane	7.91	113	255085	50.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.84%	
50) Toluene-d8	10.34	98	909542	49.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.64	95	309513	49.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.90%	

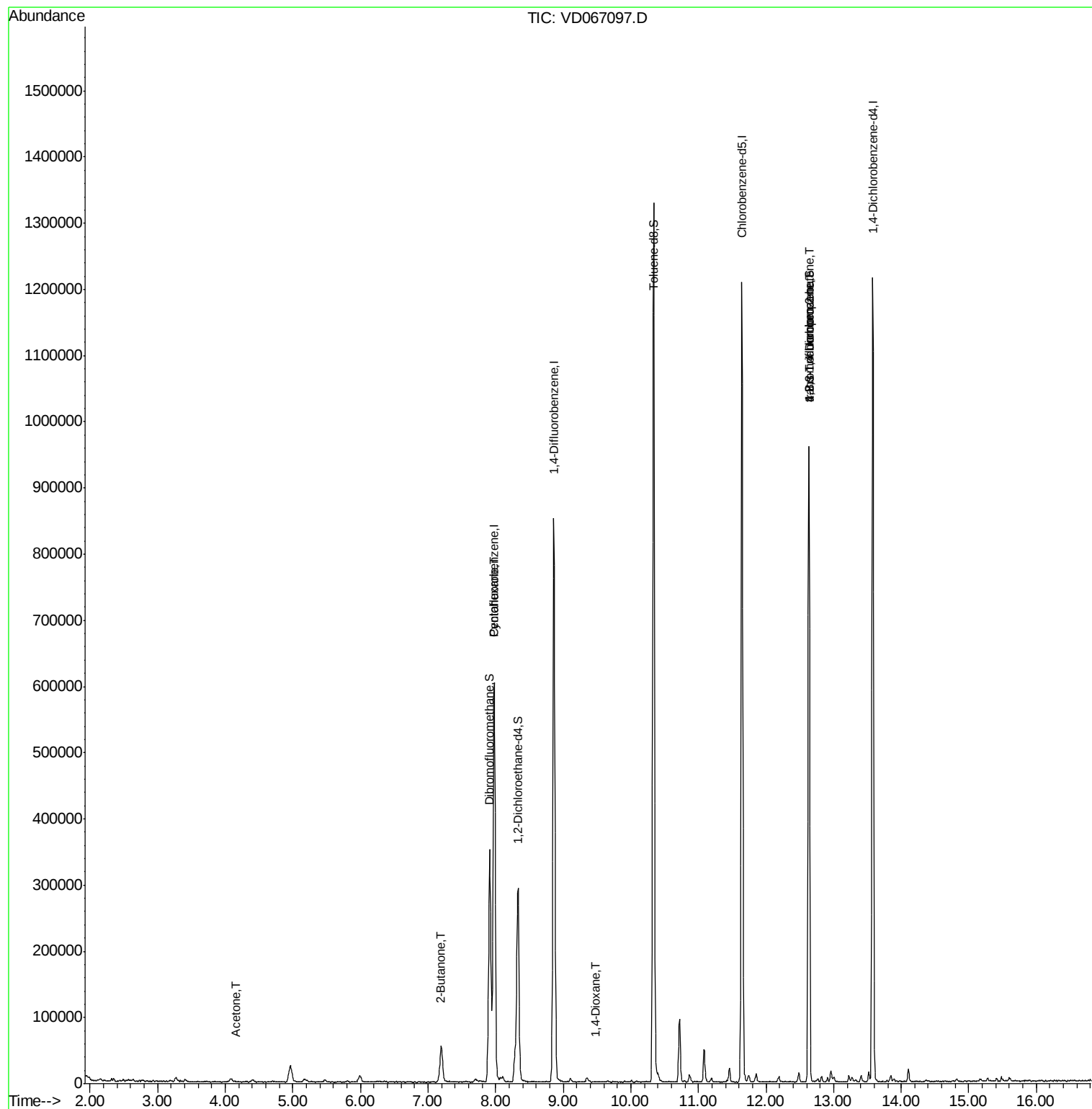
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2898	Below Cal		99
5) Bromomethane	2.78	94	1729	Below Cal	#	70
11) Tert butyl alcohol	5.19	59	2838	Below Cal	#	72
16) Acetone	4.17	43	2597	3.822	ug/l	91
20) Methylene Chloride	4.97	84	20205	Below Cal	#	82
25) 2-Butanone	7.19	43	1553	1.612	ug/l #	46
26) 2,2-Dichloropropane	7.22	77	6280	Below Cal	#	60
31) Cyclohexane	7.98	56	10205	1.527	ug/l #	27
49) 1,4-Dioxane	9.48	88	62	2.199	ug/l #	25
76) 1,2,3-Trichloropropane	12.64	75	150024	50.927	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	150024	126.968	ug/l #	12

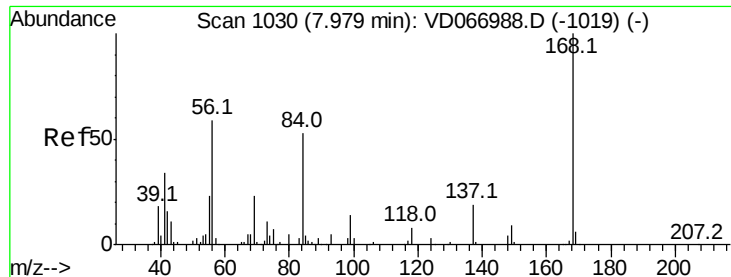
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100620\
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Quant Time: Oct 07 01:09:16 2020
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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: VD067097.D

Acq: 06 Oct 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

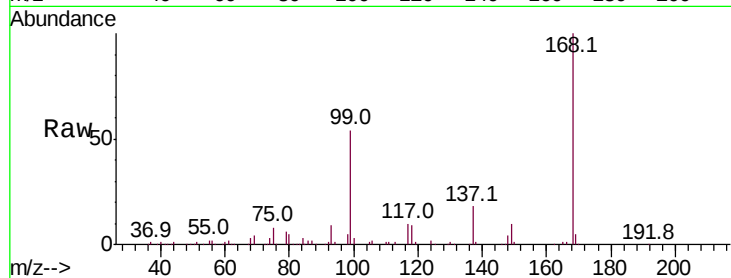
VD1006SBL01

Tot Ion:168 Resp: 462144

Ion Ratio Lower Upper

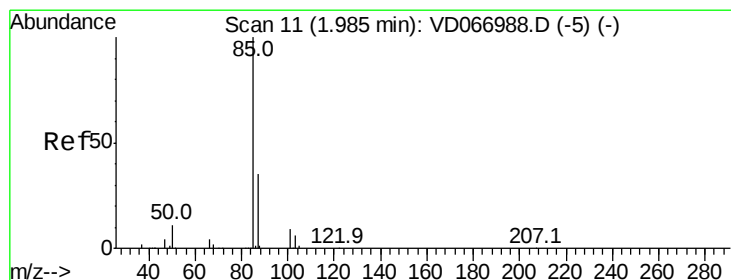
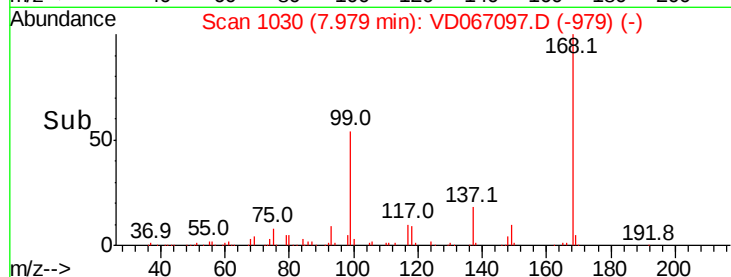
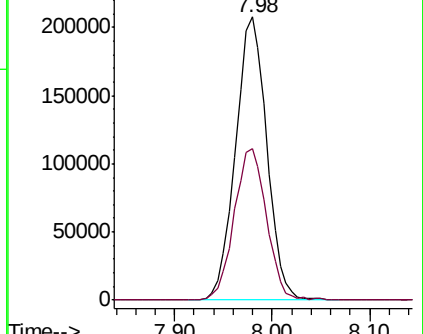
168 100

99 53.5 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# 12

Delta R.T. 0.01 min

Lab File: VD067097.D

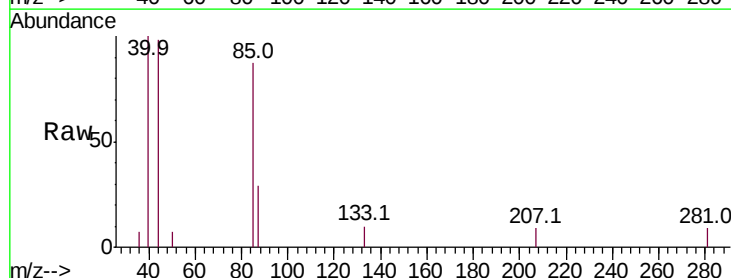
Acq: 06 Oct 2020 10:22

Tgt Ion: 85 Resp: 2898

Ion Ratio Lower Upper

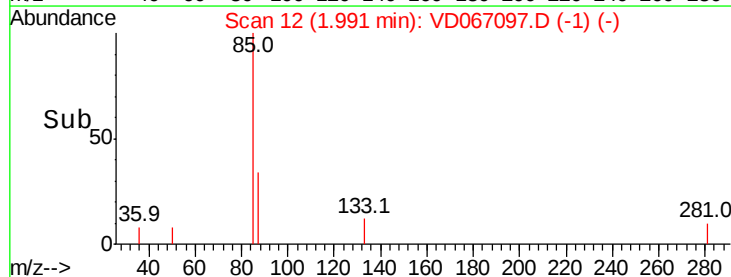
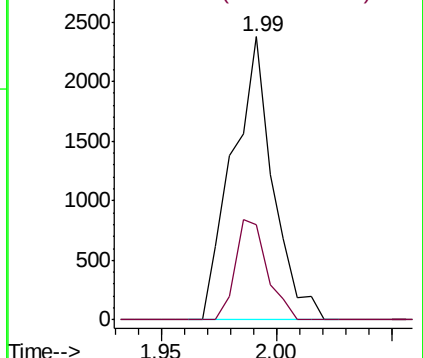
85 100

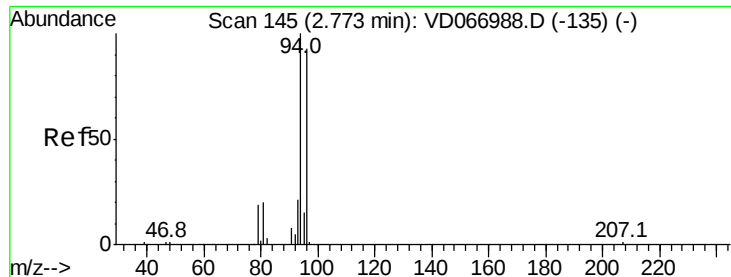
87 33.9 17.3 52.0



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: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067097.D

Acq: 06 Oct 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

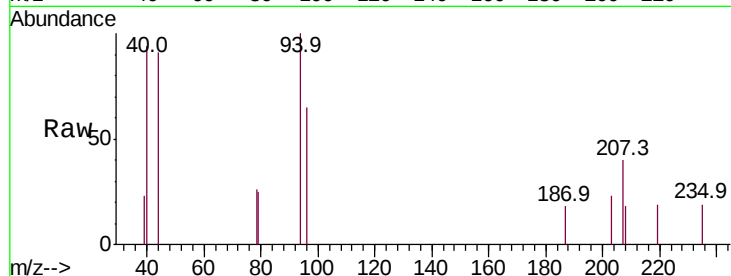
VD1006SBL01

Tot Ion: 94 Resp: 1729

Ion Ratio Lower Upper

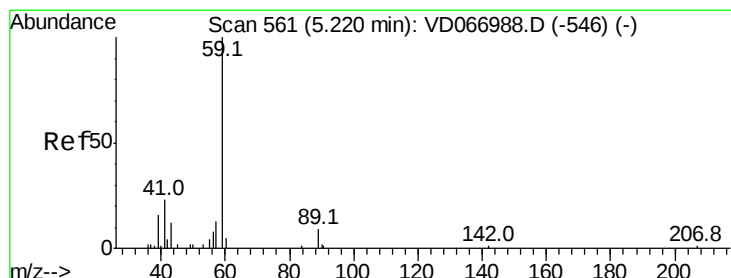
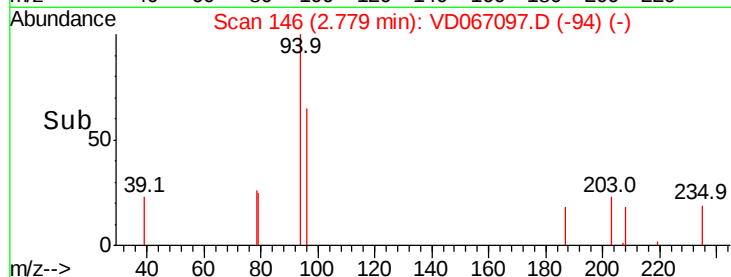
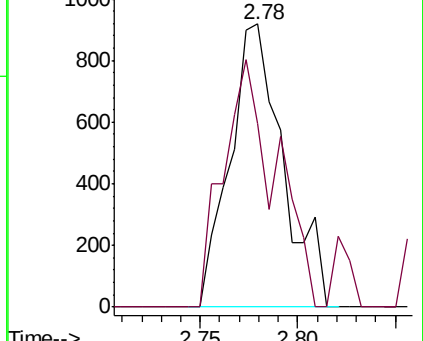
94 100

96 64.8 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD067097.D

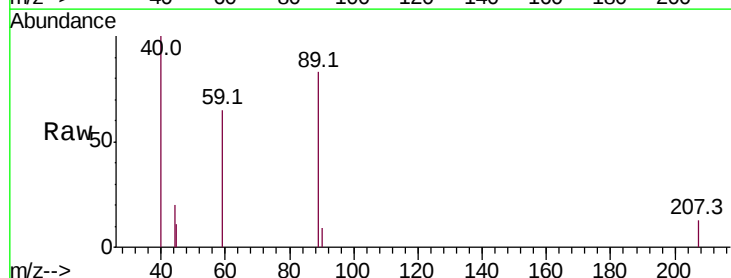
Acq: 06 Oct 2020 10:22

Tgt Ion: 59 Resp: 2838

Ion Ratio Lower Upper

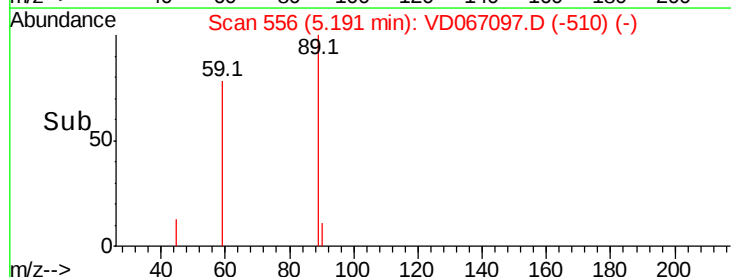
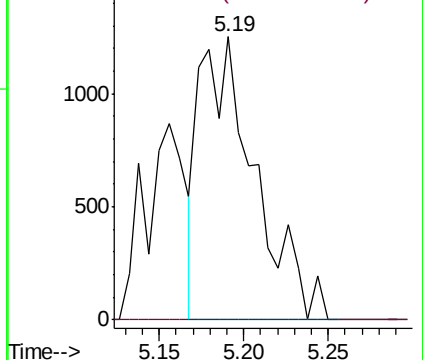
59 100

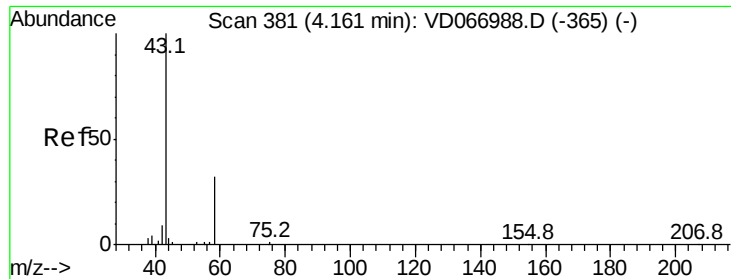
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 3.822 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067097.D

Acq: 06 Oct 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

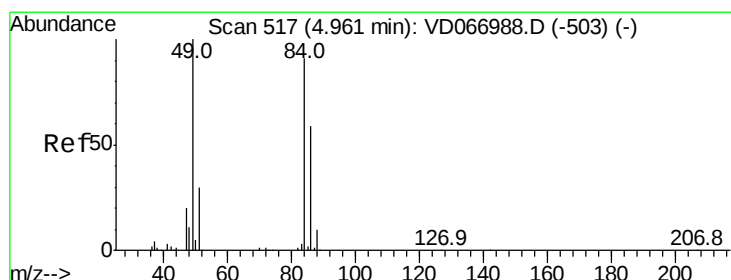
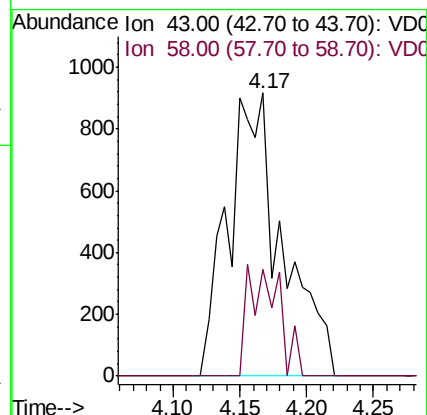
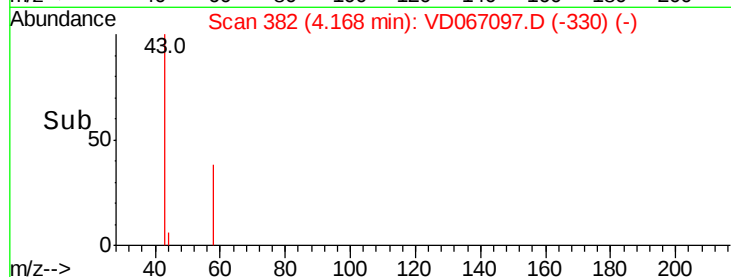
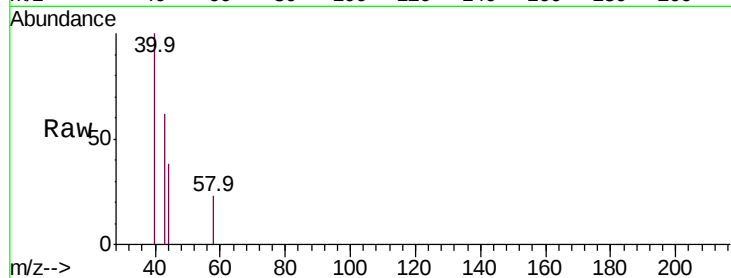
VD1006SBL01

Tot Ion: 43 Resp: 2597

Ion Ratio Lower Upper

43 100

58 37.6 25.9 38.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067097.D

Acq: 06 Oct 2020 10:22

Tgt Ion: 84 Resp: 20205

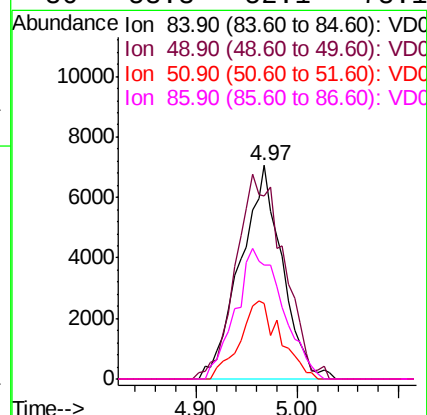
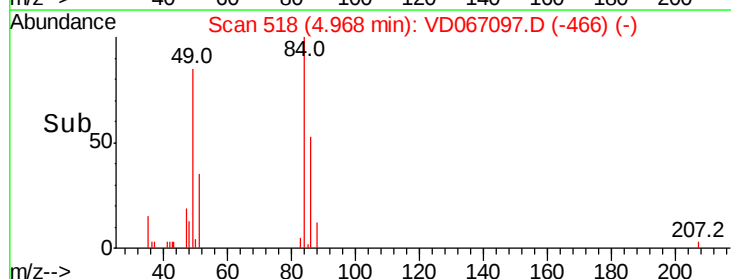
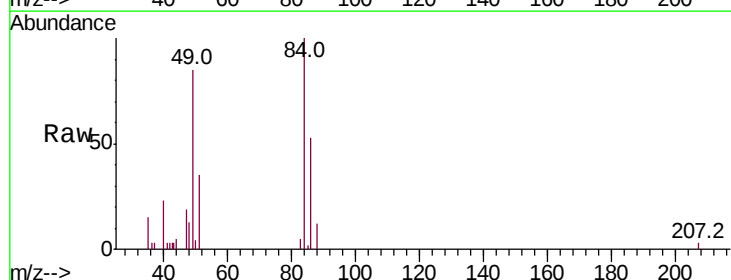
Ion Ratio Lower Upper

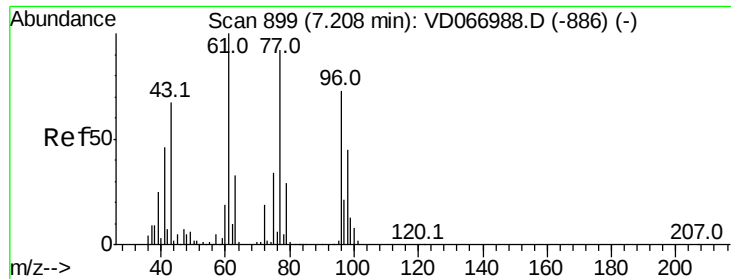
84 100

49 85.5 88.2 132.2#

51 35.3 26.6 39.8

86 53.3 52.1 78.1





#25

2-Butanone

Concen: 1.612 ug/l

RT: 7.19 min Scan# 895

Delta R.T. -0.02 min

Lab File: VD067097.D

Acq: 06 Oct 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

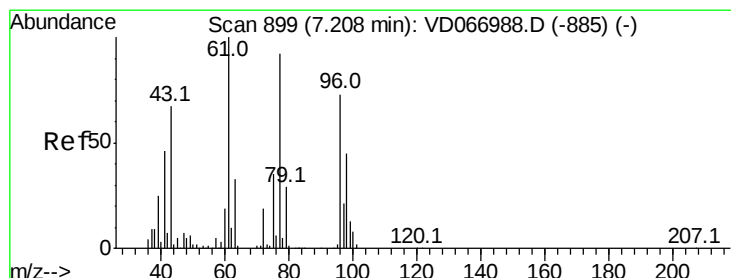
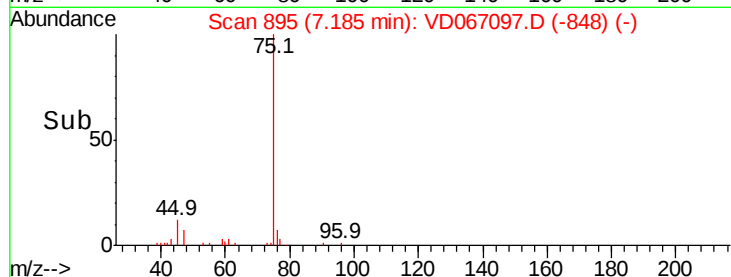
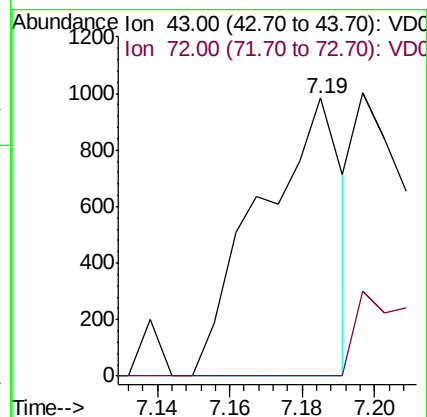
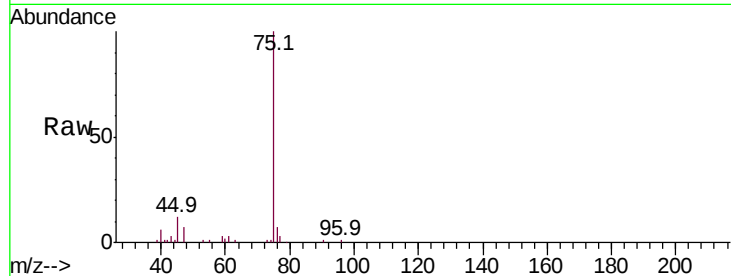
VD1006SBL01

Tot Ion: 43 Resp: 1553

Ion Ratio Lower Upper

43 100

72 0.0 22.8 34.2#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067097.D

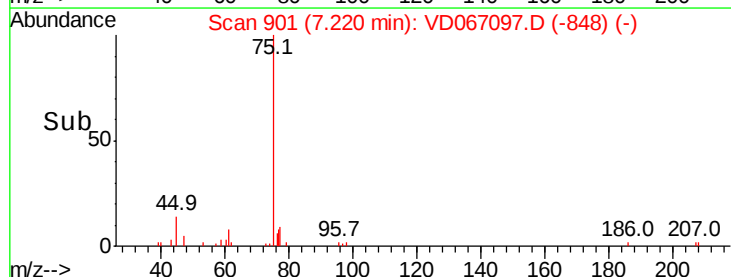
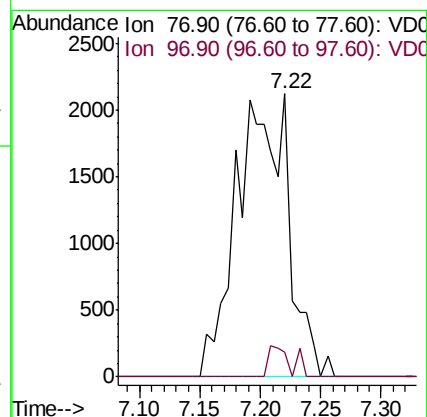
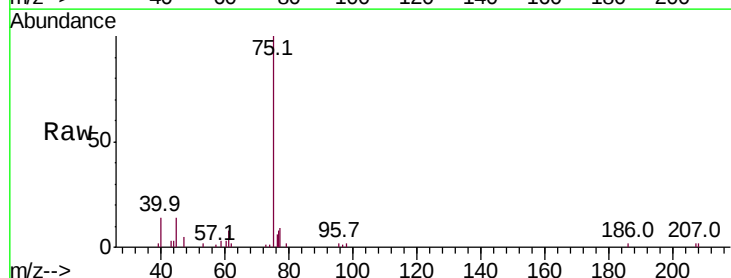
Acq: 06 Oct 2020 10:22

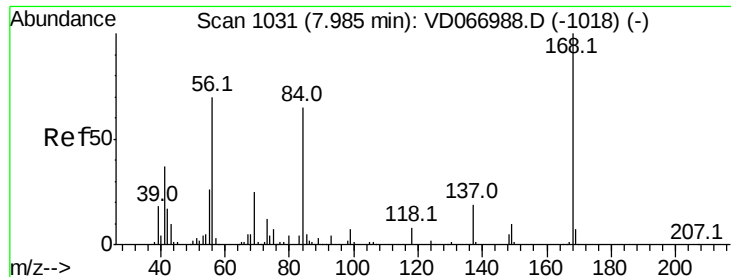
Tgt Ion: 77 Resp: 6280

Ion Ratio Lower Upper

77 100

97 3.6 11.4 34.2#

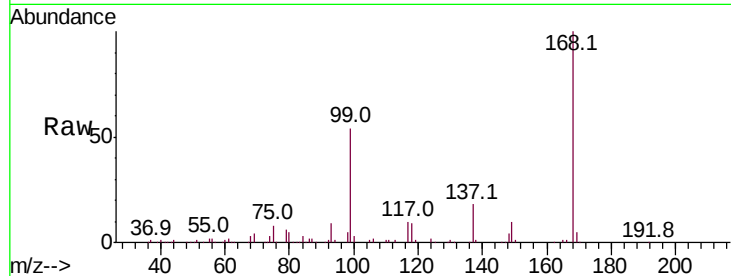




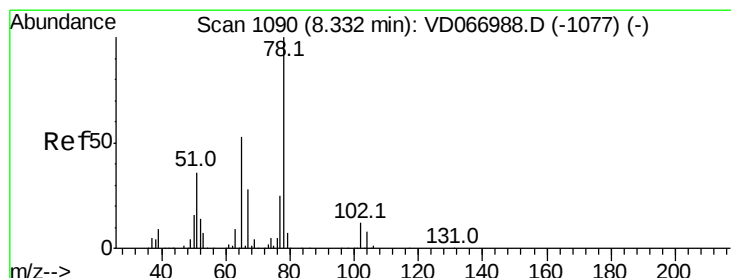
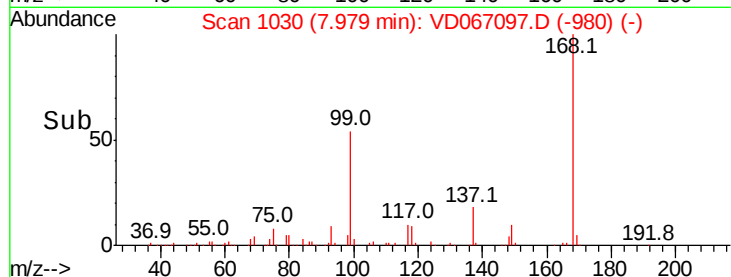
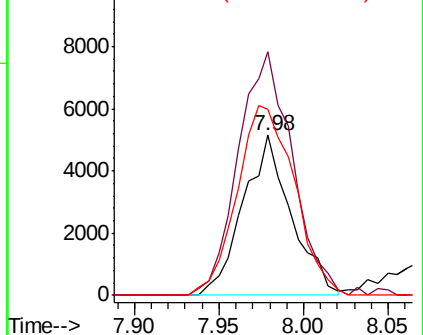
#31
Cyclohexane
Concen: 1.527 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067097.D
Acq: 06 Oct 2020 10:22

Instrument :
MSVOA_D
ClientSampleId :
VD1006SBL01

Tot Ion: 56 Resp: 10205
Ion Ratio Lower Upper
56 100
69 152.2 29.0 43.6#
84 116.5 74.2 111.2#

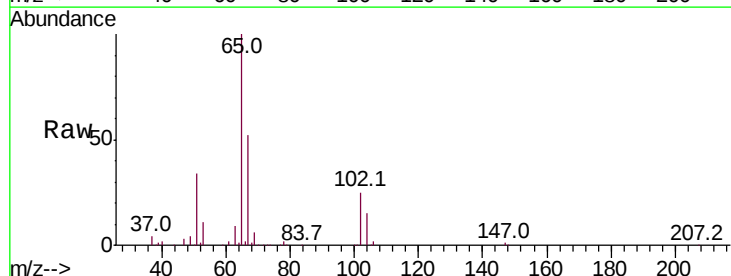


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

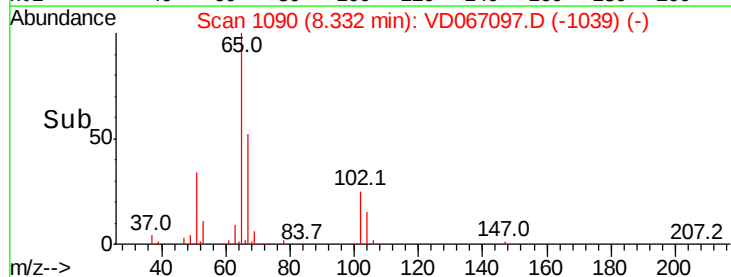
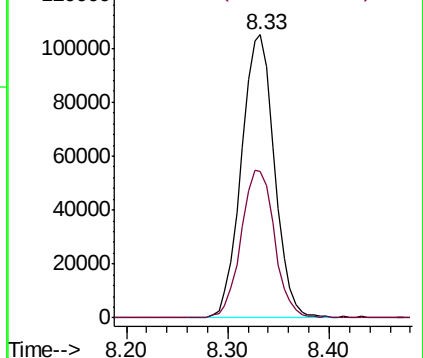


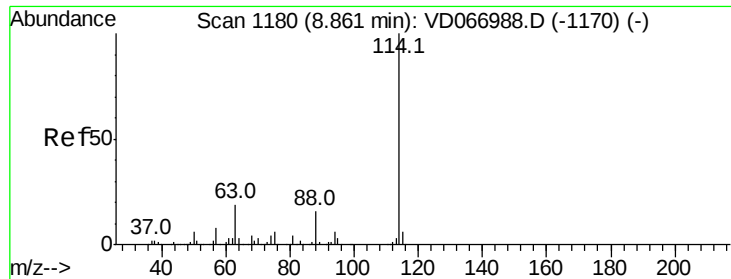
#33
1,2-Dichloroethane-d4
Concen: 53.439 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067097.D
Acq: 06 Oct 2020 10:22

Tgt Ion: 65 Resp: 237875
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8



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

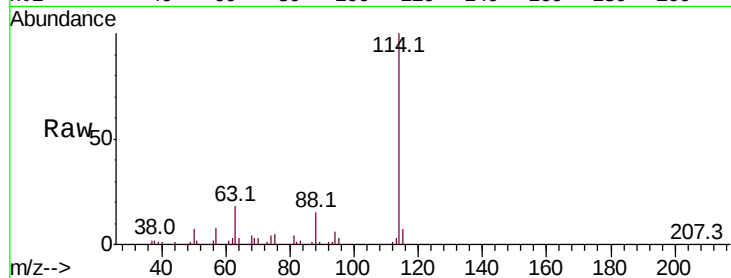




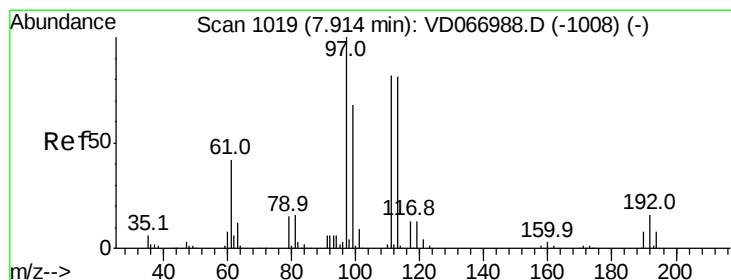
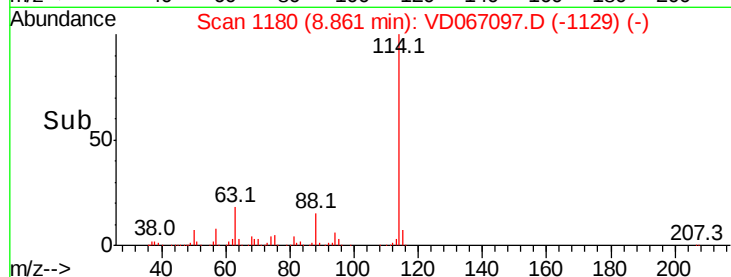
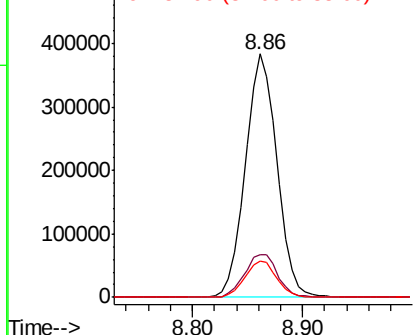
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067097.D
 Acq: 06 Oct 2020 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	38.4
88	14.9	0.0	31.2

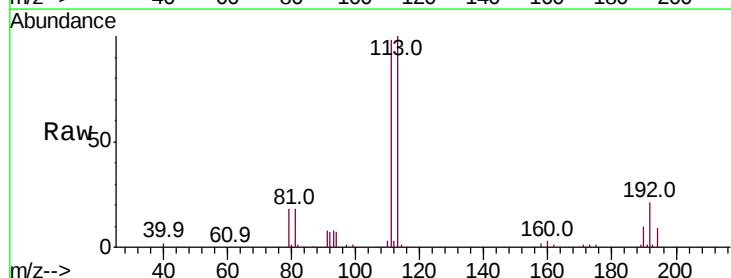


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

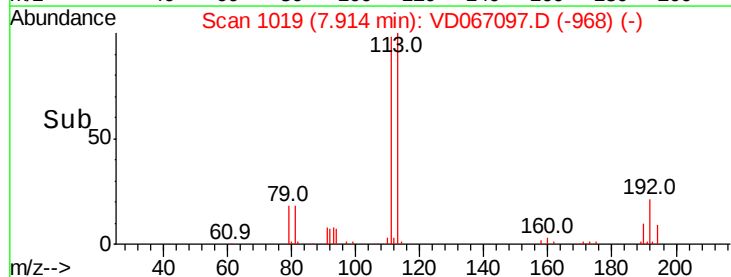
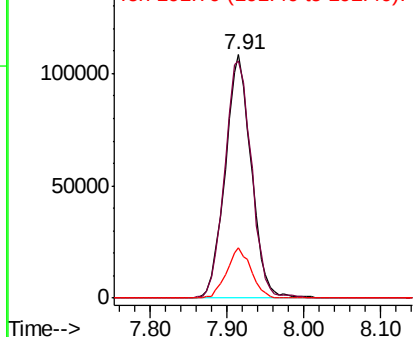


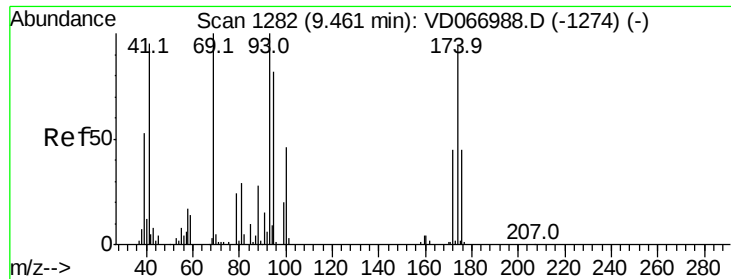
#35
 Dibromofluoromethane
 Concen: 50.417 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067097.D
 Acq: 06 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.0	124.4
192	19.3	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





#49

1,4-Dioxane

Concen: 2.199 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.02 min

Lab File: VD067097.D

Acq: 06 Oct 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBL01

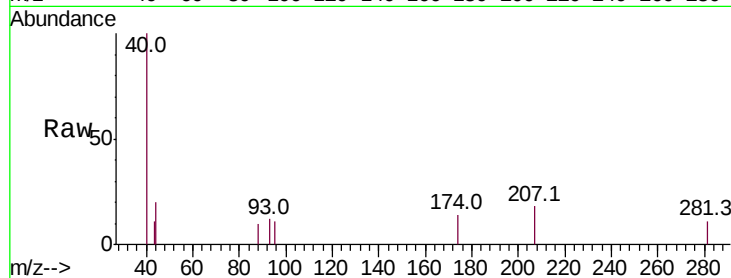
Tot Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

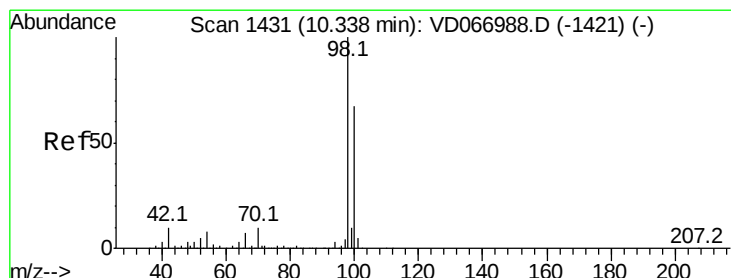
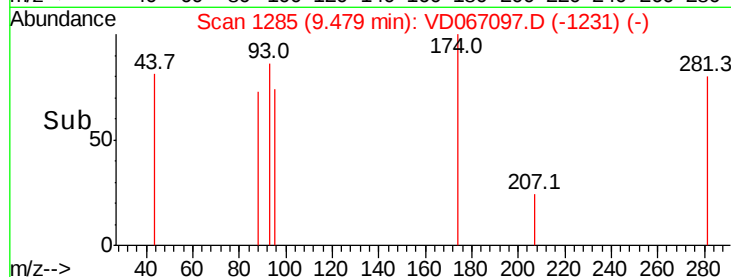
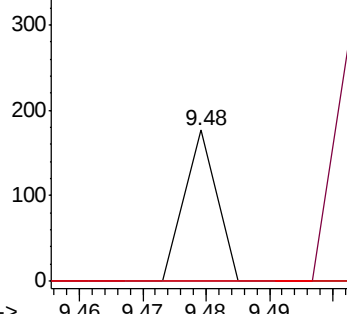
58 0.0 53.5 80.3#



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



#50

Toluene-d8

Concen: 49.334 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067097.D

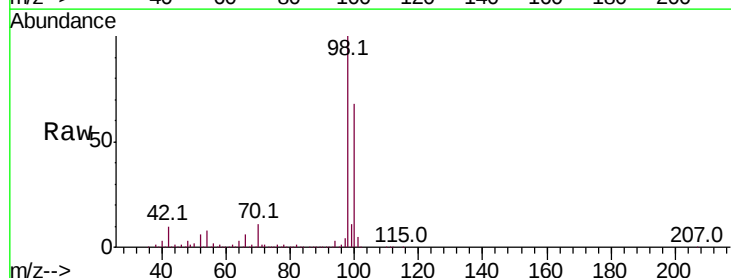
Acq: 06 Oct 2020 10:22

Tgt Ion: 98 Resp: 909542

Ion Ratio Lower Upper

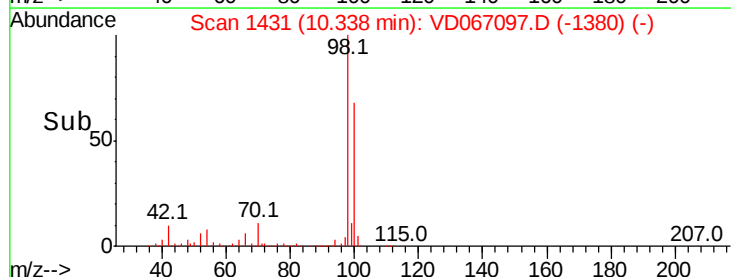
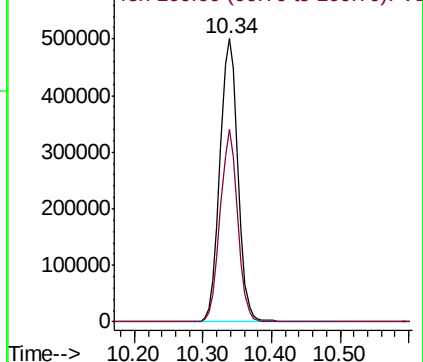
98 100

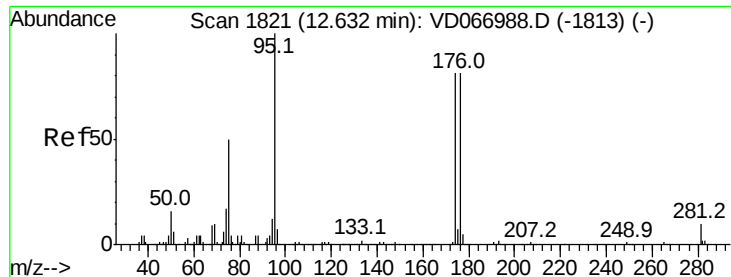
100 65.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 49.453 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067097.D

Acq: 06 Oct 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBL01

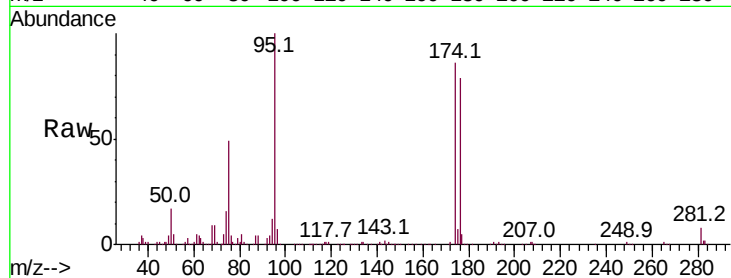
Tot Ion: 95 Resp: 309513

Ion Ratio Lower Upper

95 100

174 84.6 0.0 167.6

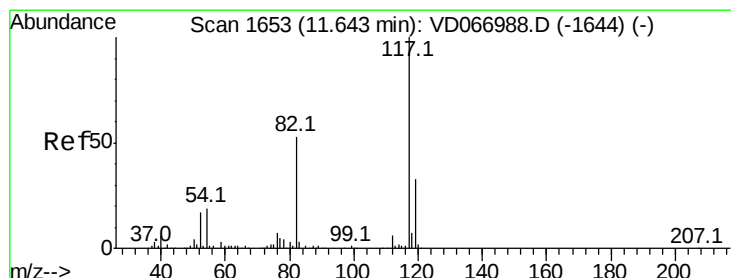
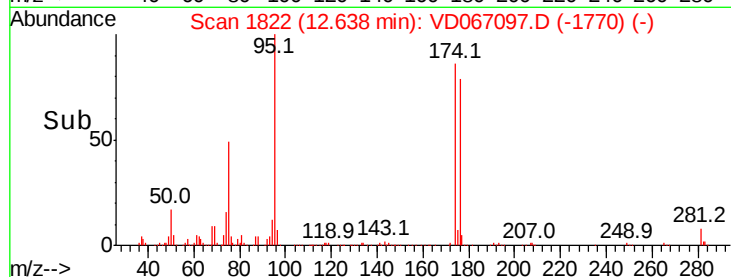
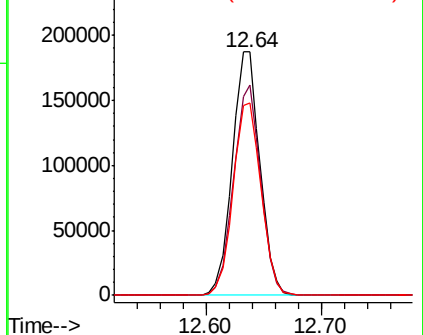
176 79.9 0.0 162.4



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: VD067097.D

Acq: 06 Oct 2020 10:22

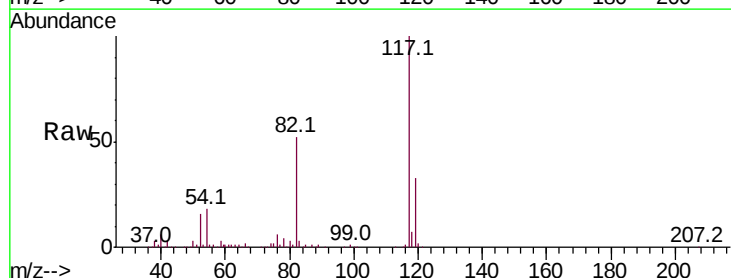
Tgt Ion: 117 Resp: 721765

Ion Ratio Lower Upper

117 100

82 52.5 42.6 63.8

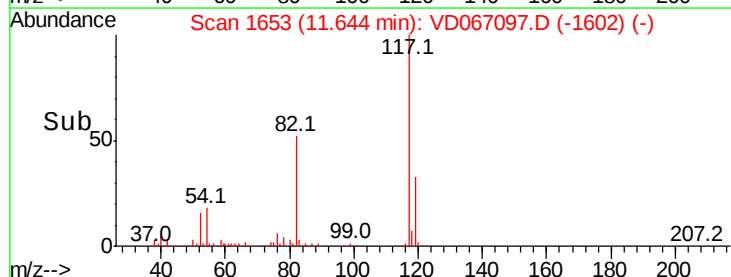
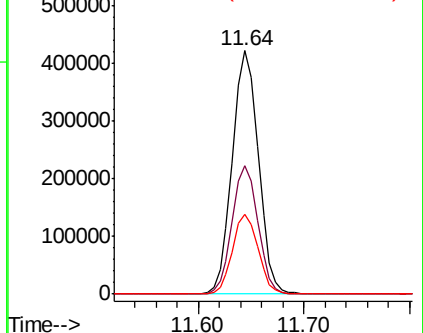
119 32.5 26.3 39.5

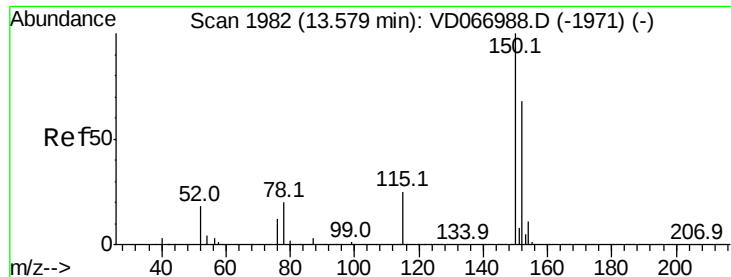


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067097.D

Acq: 06 Oct 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBL01

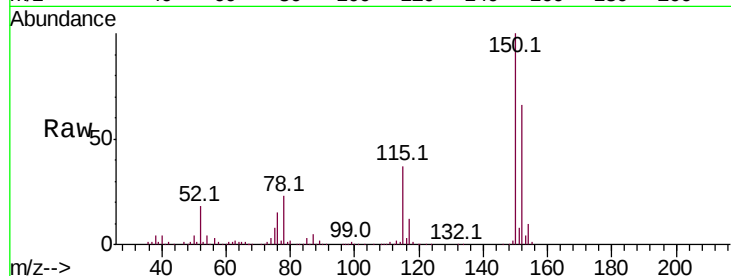
Tot Ion:152 Resp: 338201

Ion Ratio Lower Upper

152 100

115 58.2 29.6 88.8

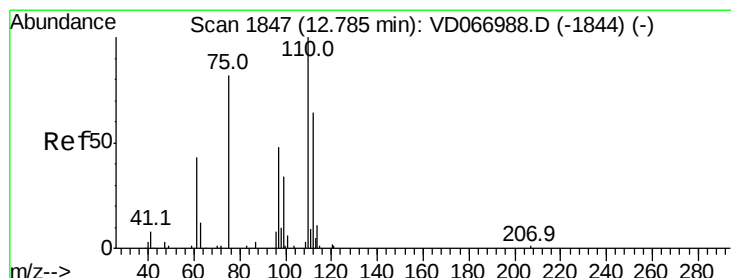
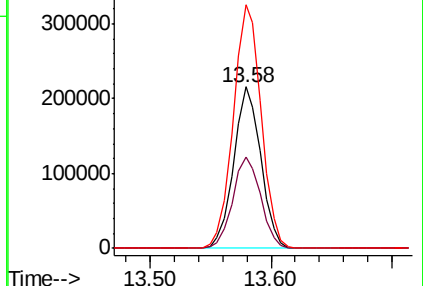
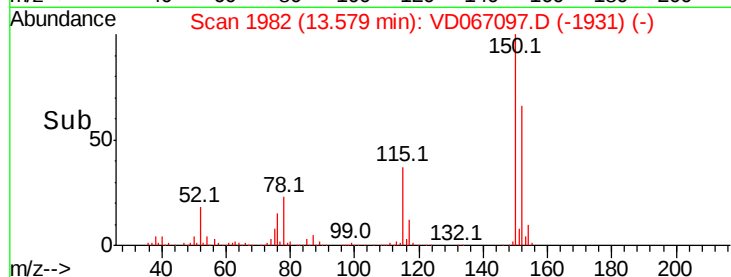
150 154.8 0.0 344.8



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: 50.927 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067097.D

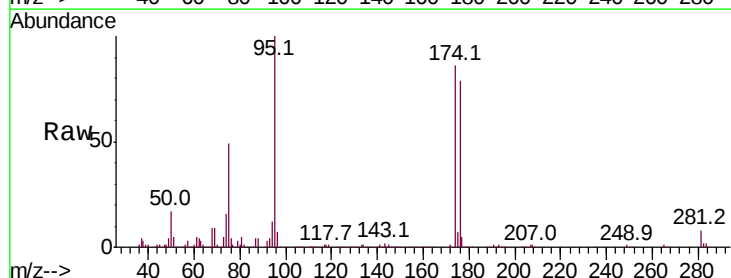
Acq: 06 Oct 2020 10:22

Tgt Ion: 75 Resp: 150024

Ion Ratio Lower Upper

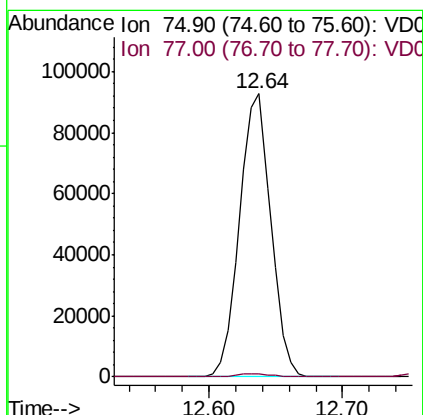
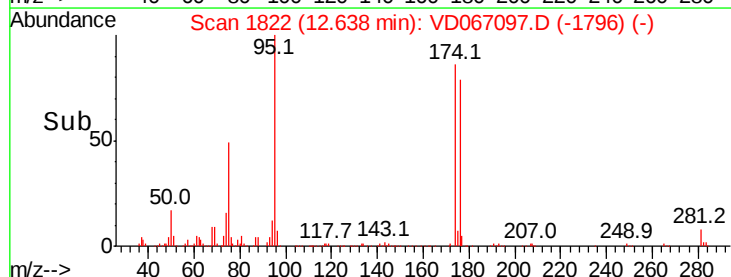
75 100

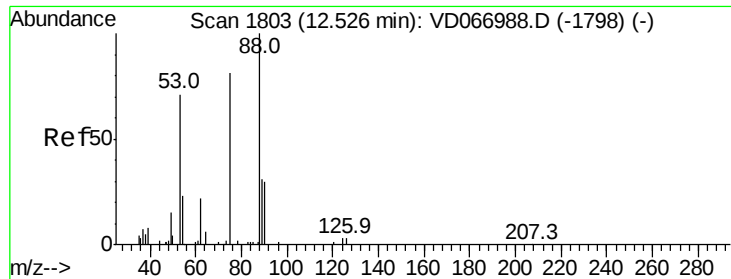
77 1.2 0.0 0.0#



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: 126.968 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067097.D

Acq: 06 Oct 2020 10:22

Instrument :

MSVOA_D

ClientSampleId :

VD1006SBL01

Tot Ion: 75 Resp: 150024

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 38.9 58.3#

