

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100820\
 Data File : VD067188.D
 Acq On : 08 Oct 2020 12:19
 Operator : VA/SY
 Sample : L4294-03
 Misc : 8.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-(5)-GRAB

Quant Time: Oct 08 18:57:54 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	370126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	598052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	554802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258201	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	179811	50.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.88%	
35) Dibromofluoromethane	7.92	113	192712	49.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.44%	
50) Toluene-d8	10.34	98	706478	49.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.64	95	228790	47.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.48%	

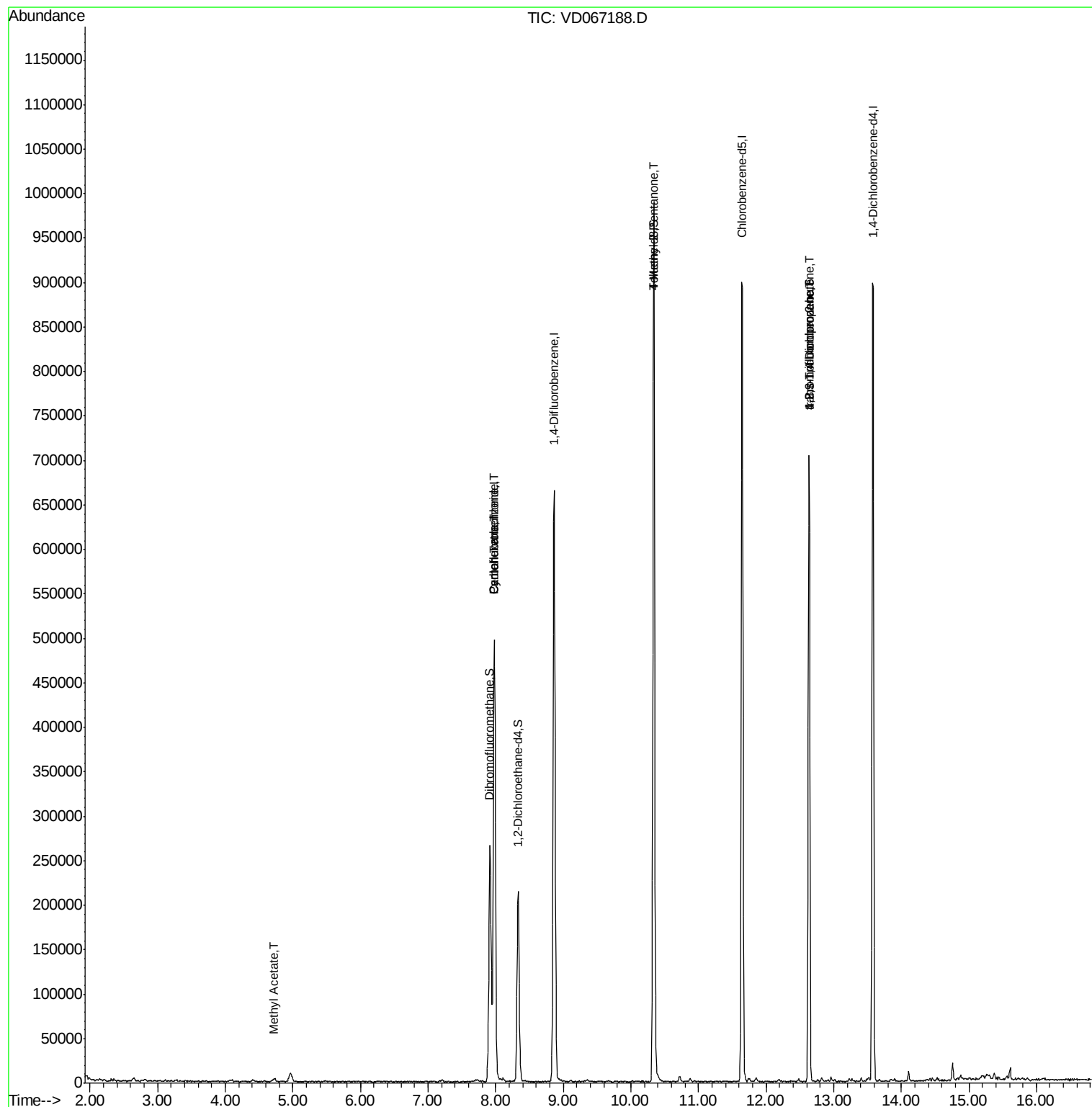
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1222	Below Cal		84
5) Bromomethane	2.77	94	831	Below Cal		96
11) Tert butyl alcohol	5.20	59	81	Below Cal	#	72
18) Methyl Acetate	4.72	43	5841	4.270	ug/l #	71
20) Methylene Chloride	4.96	84	8055	Below Cal	#	73
26) 2,2-Dichloropropane	7.21	77	551	Below Cal	#	53
31) Cyclohexane	7.98	56	7024	1.312	ug/l #	36
38) Carbon Tetrachloride	7.98	117	39143	6.490	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	2686	1.516	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	117155	52.092	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	117155	129.871	ug/l #	12

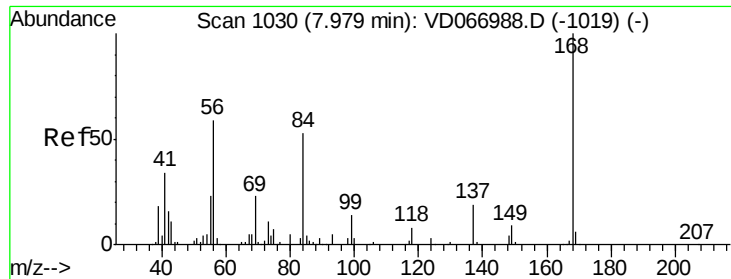
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100820\
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TP-(5)-GRAB

Quant Time: Oct 08 18:57:54 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: VD067188.D

Acq: 08 Oct 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

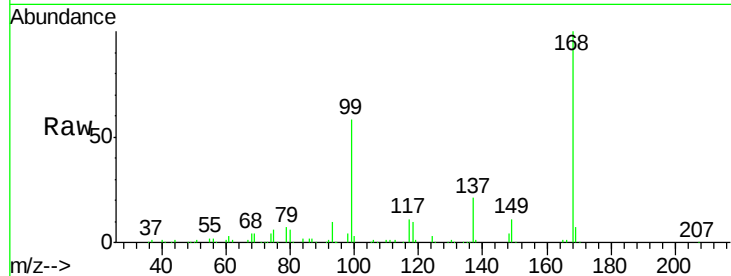
TP-(5)-GRAB

Tgt Ion:168 Resp: 370126

Ion Ratio Lower Upper

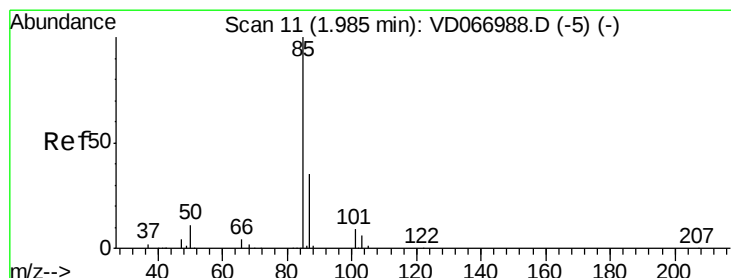
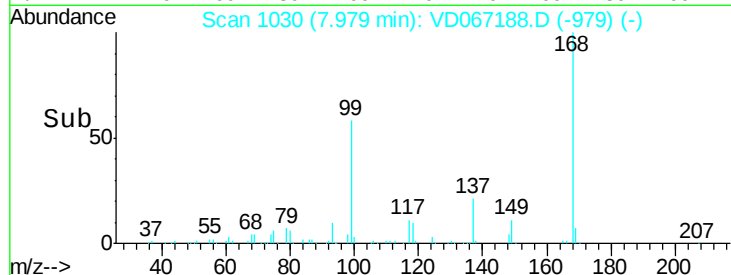
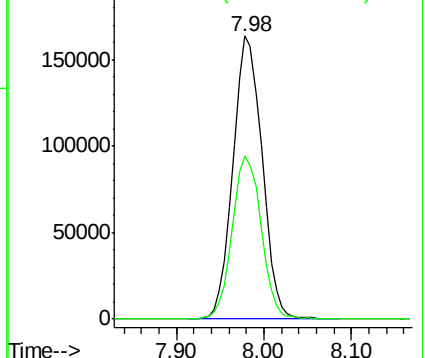
168 100

99 57.6 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: VD067188.D

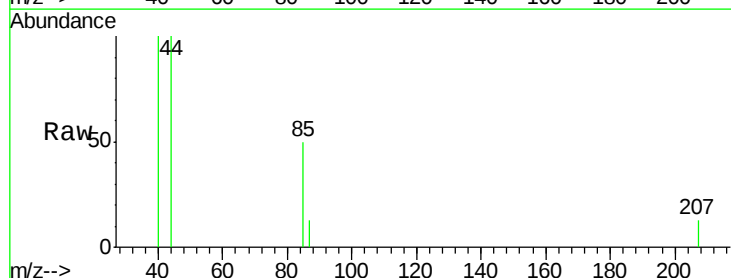
Acq: 08 Oct 2020 12:19

Tgt Ion: 85 Resp: 1222

Ion Ratio Lower Upper

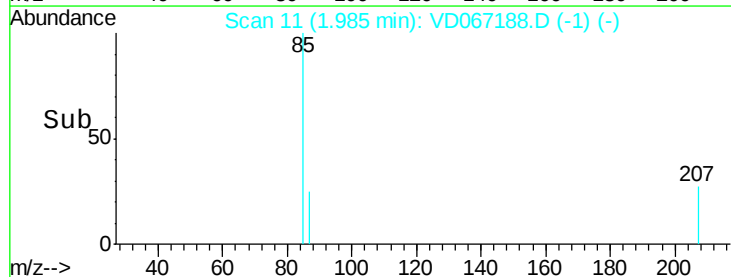
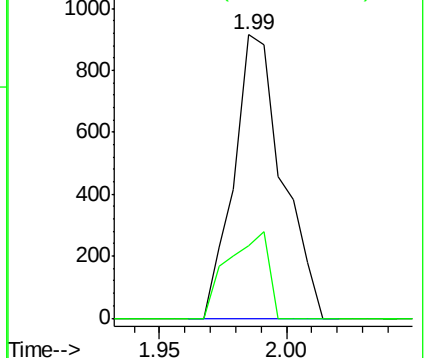
85 100

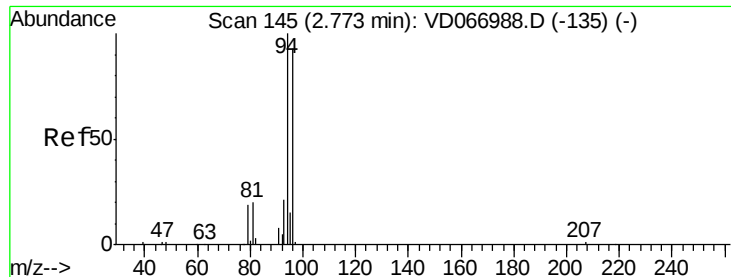
87 25.5 17.3 52.0



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: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067188.D

Acq: 08 Oct 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

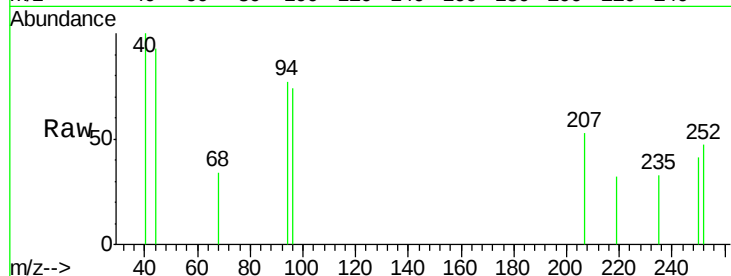
TP-(5)-GRAB

Tgt Ion: 94 Resp: 831

Ion Ratio Lower Upper

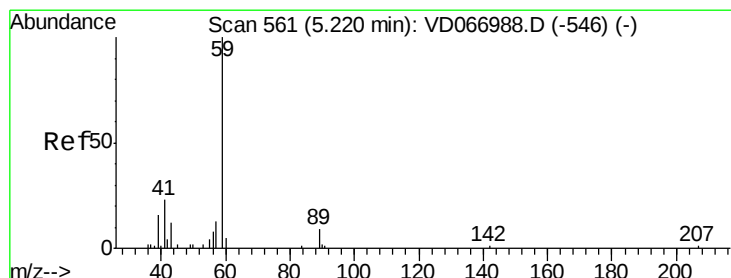
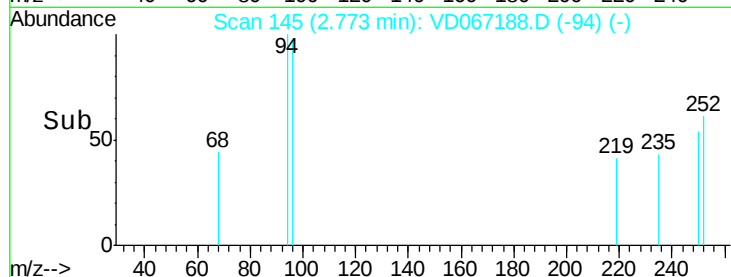
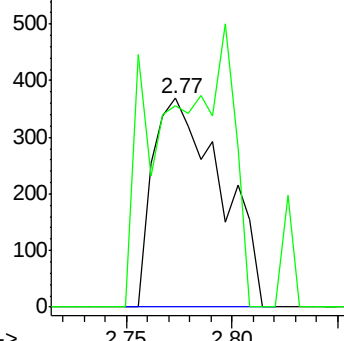
94 100

96 96.7 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: 5.20 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD067188.D

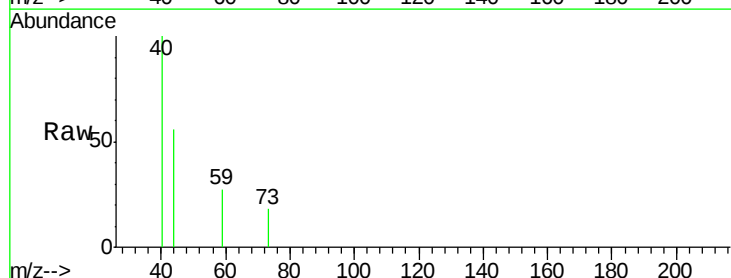
Acq: 08 Oct 2020 12:19

Tgt Ion: 59 Resp: 81

Ion Ratio Lower Upper

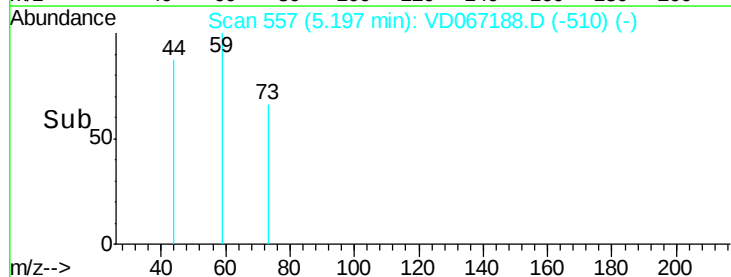
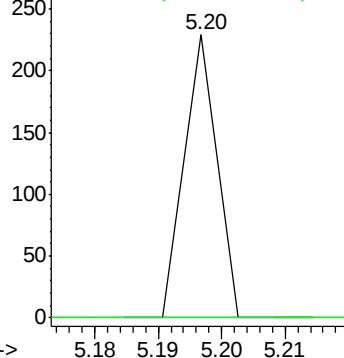
59 100

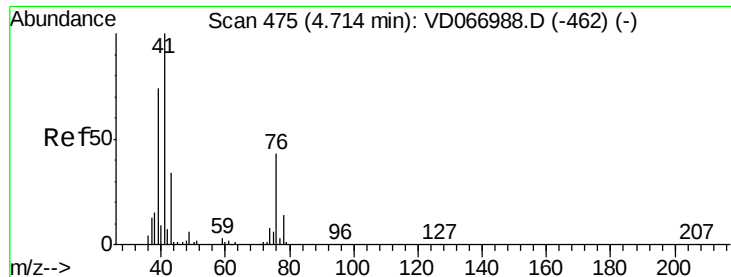
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

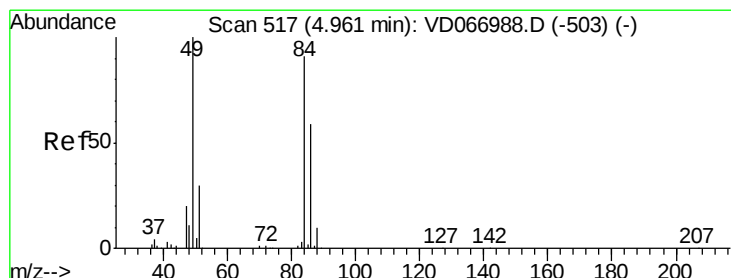
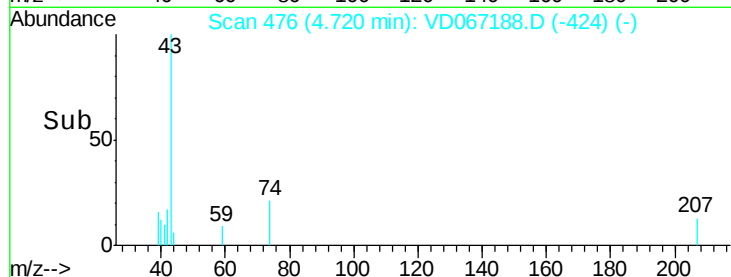
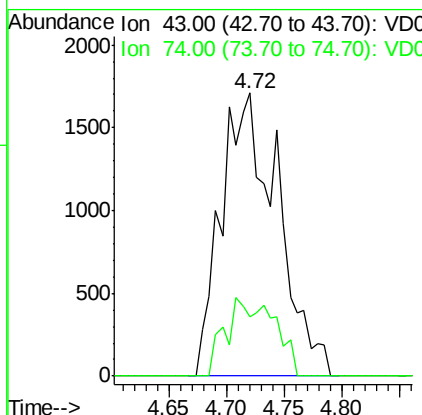
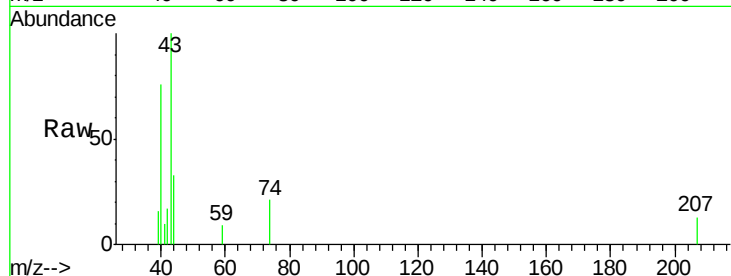




#18
Methyl Acetate
Concen: 4.270 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067188.D
Acq: 08 Oct 2020 12:19

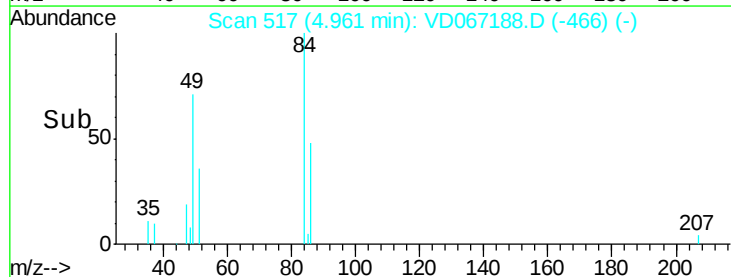
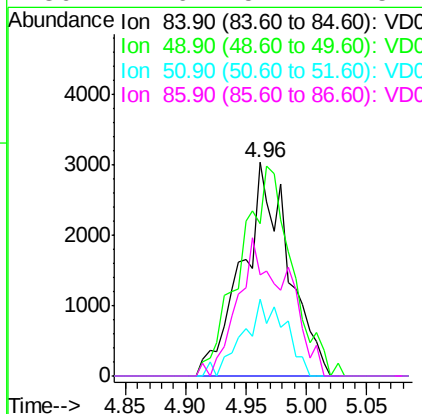
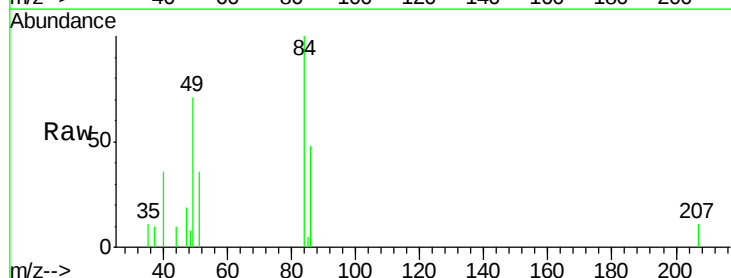
Instrument :
MSVOA_D
ClientSampleId :
TP-(5)-GRAB

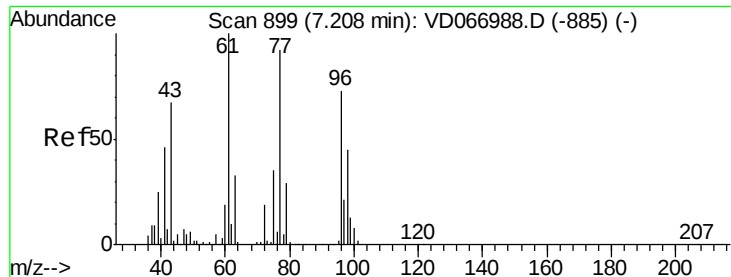
Tgt Ion: 43 Resp: 5841
Ion Ratio Lower Upper
43 100
74 12.0 21.5 32.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067188.D
Acq: 08 Oct 2020 12:19

Tgt Ion: 84 Resp: 8055
Ion Ratio Lower Upper
84 100
49 71.2 88.2 132.2#
51 35.8 26.6 39.8
86 47.6 52.1 78.1#

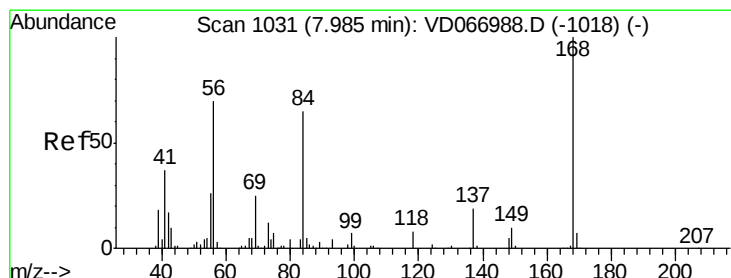
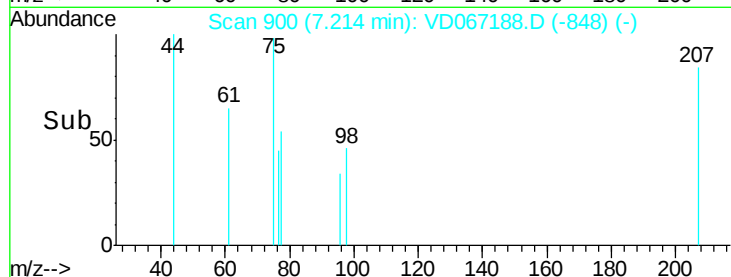
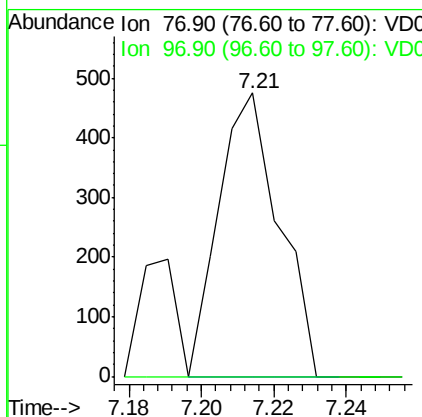
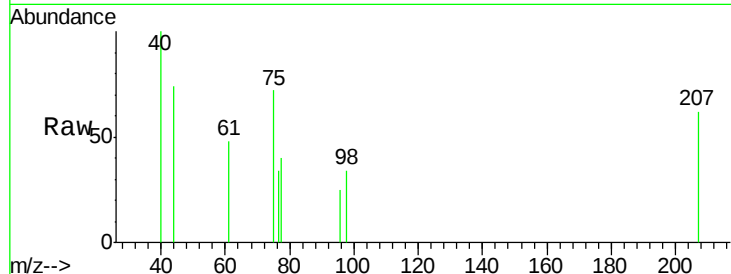




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD067188.D
 Acq: 08 Oct 2020 12:19

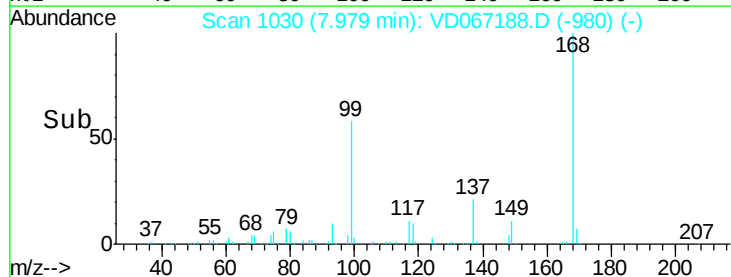
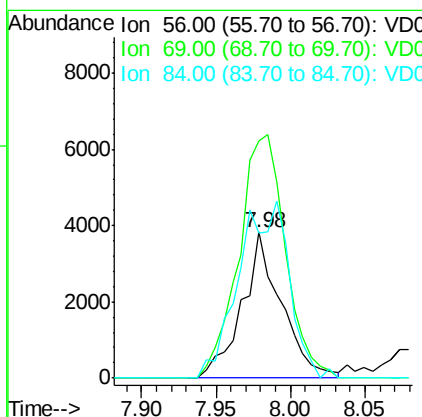
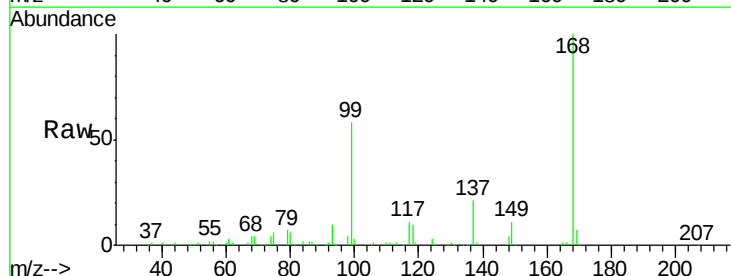
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-(5)-GRAB

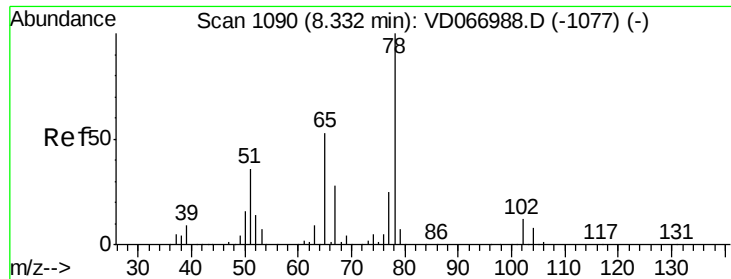
Tgt Ion: 77 Resp: 551
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.2#



#31
 Cyclohexane
 Concen: 1.312 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VD067188.D
 Acq: 08 Oct 2020 12:19

Tgt Ion: 56 Resp: 7024
 Ion Ratio Lower Upper
 56 100
 69 161.8 29.0 43.6#
 84 98.9 74.2 111.2

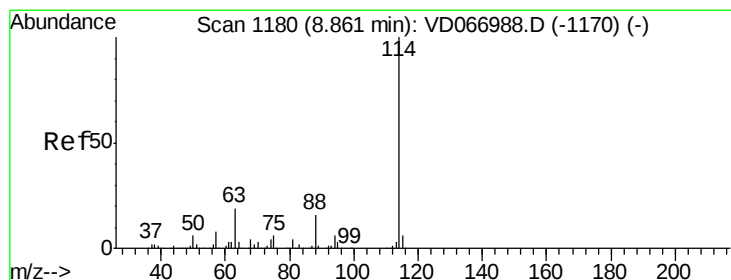
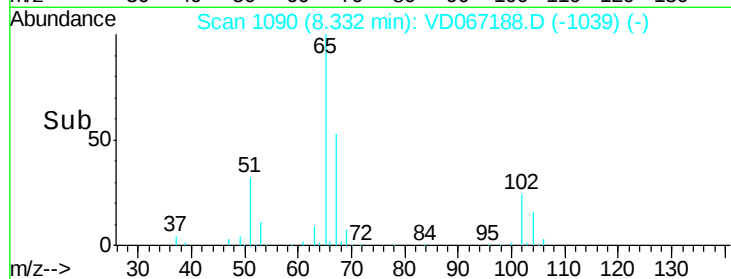
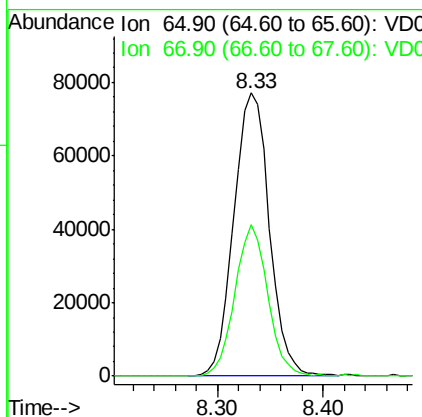
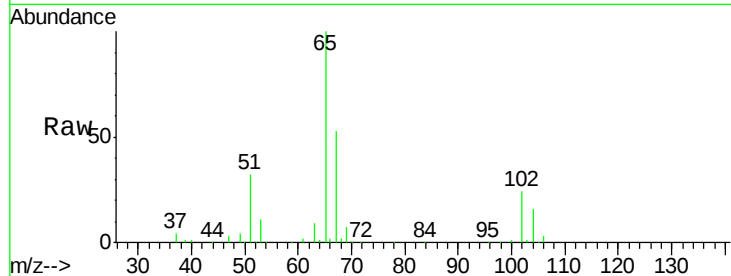




#33
 1,2-Dichloroethane-d4
 Concen: 50.437 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD067188.D
 Acq: 08 Oct 2020 12:19

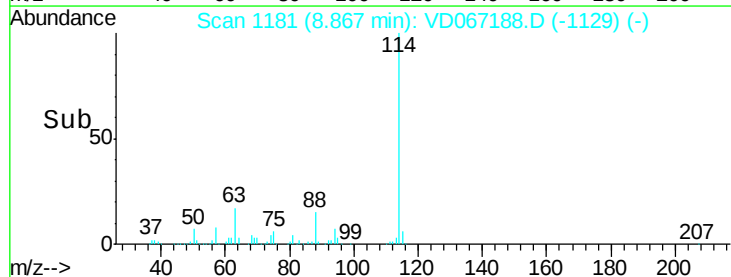
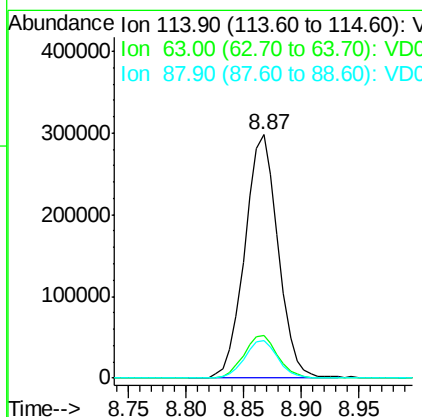
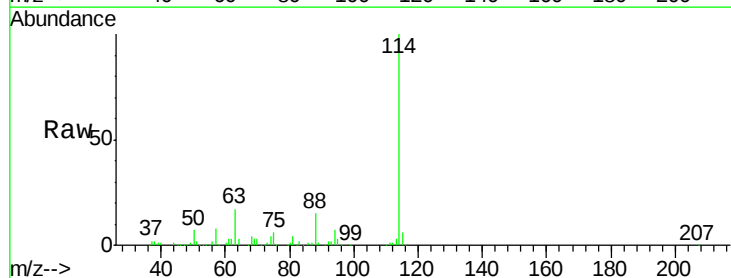
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-(5)-GRAB

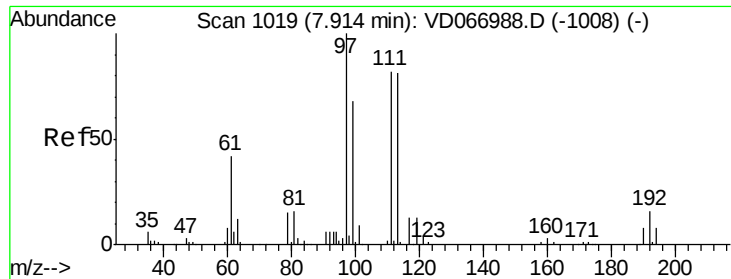
Tgt Ion: 65 Resp: 179811
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067188.D
 Acq: 08 Oct 2020 12:19

Tgt Ion: 114 Resp: 598052
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 38.4
 88 15.4 0.0 31.2

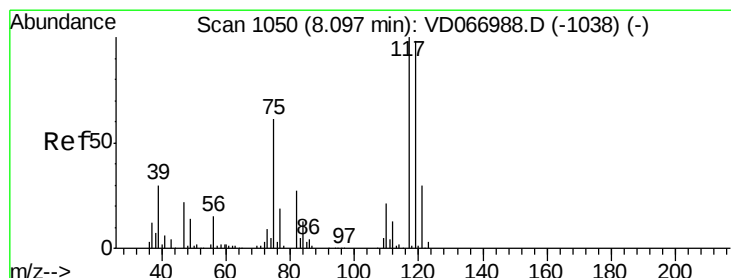
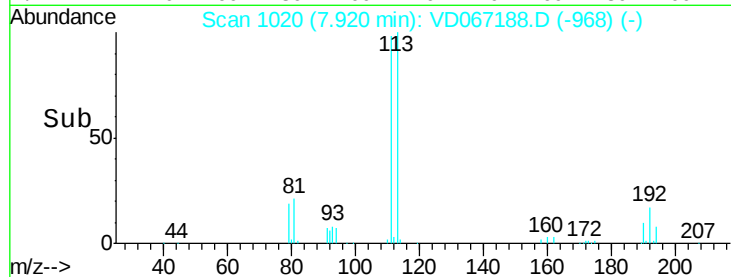
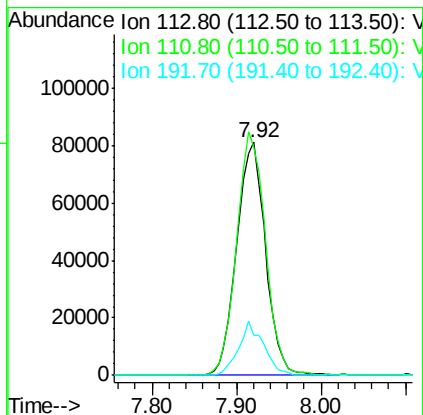
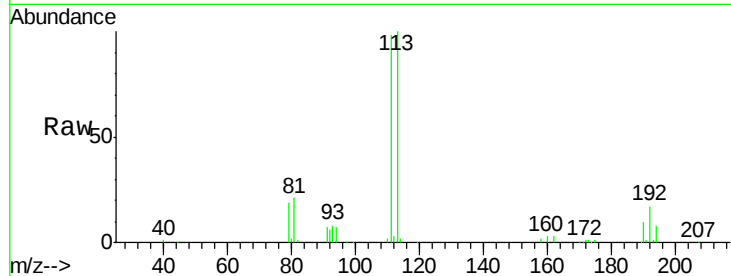




#35
 Dibromofluoromethane
 Concen: 49.220 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067188.D
 Acq: 08 Oct 2020 12:19

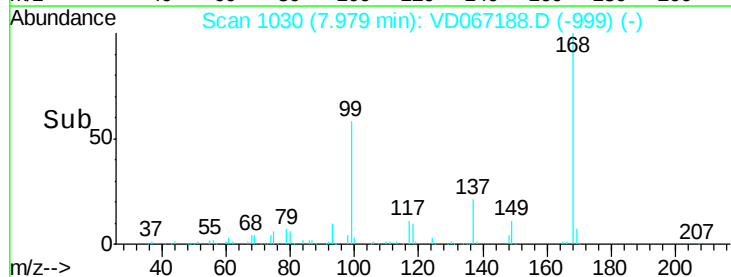
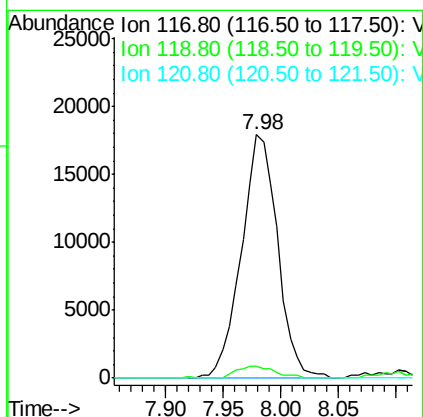
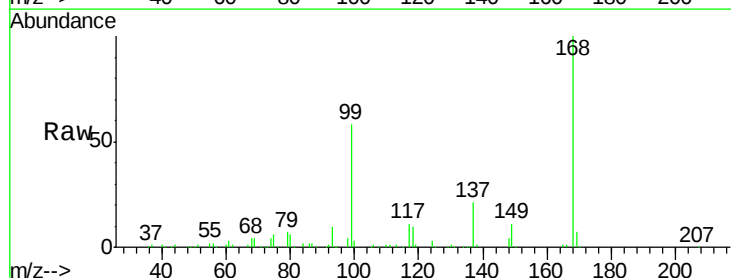
Instrument :
 MSVOA_D
 ClientSampled :
 TP-(5)-GRAB

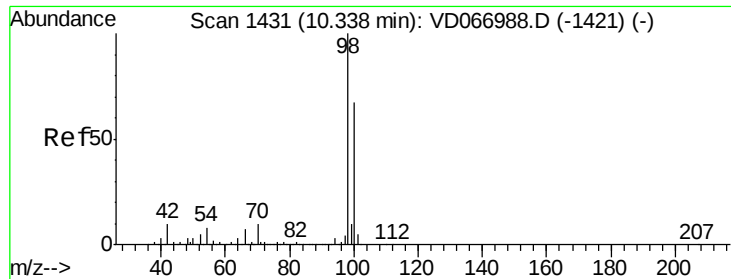
Tgt Ion:113 Resp: 192712
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.0 124.4
 192 19.9 15.5 23.3



#38
 Carbon Tetrachloride
 Concen: 6.490 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067188.D
 Acq: 08 Oct 2020 12:19

Tgt Ion:117 Resp: 39143
 Ion Ratio Lower Upper
 117 100
 119 5.0 78.7 118.1#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 49.518 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD067188.D

Acq: 08 Oct 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

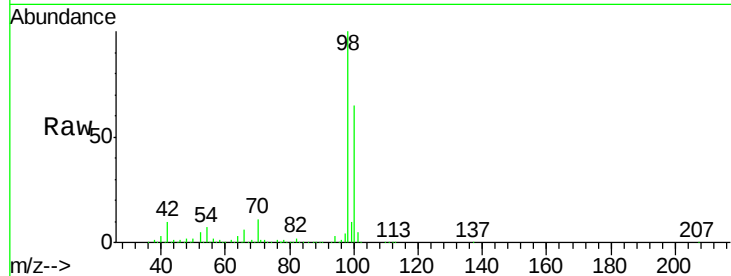
TP-(5)-GRAB

Tgt Ion: 98 Resp: 706478

Ion Ratio Lower Upper

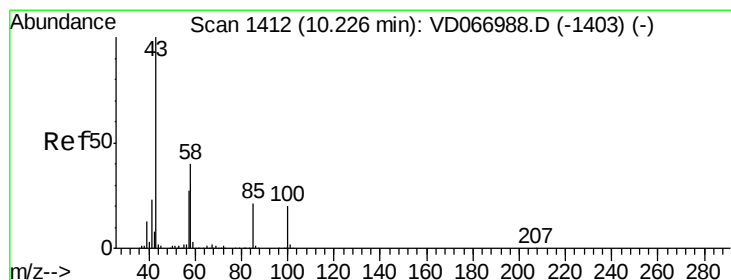
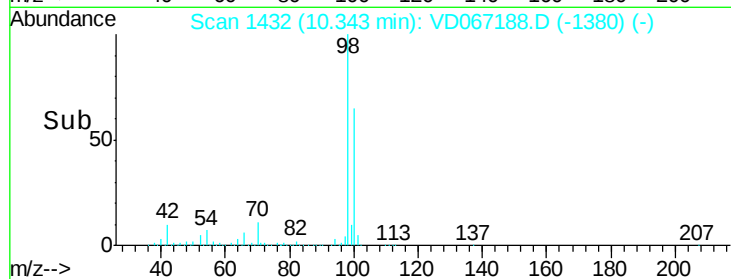
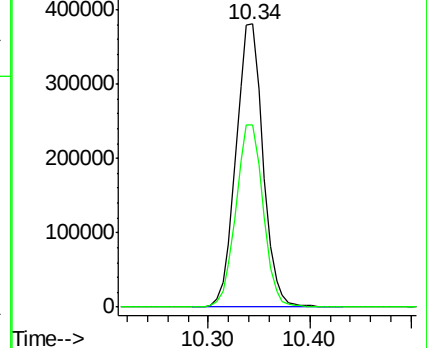
98 100

100 65.1 52.8 79.2



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: 1.516 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067188.D

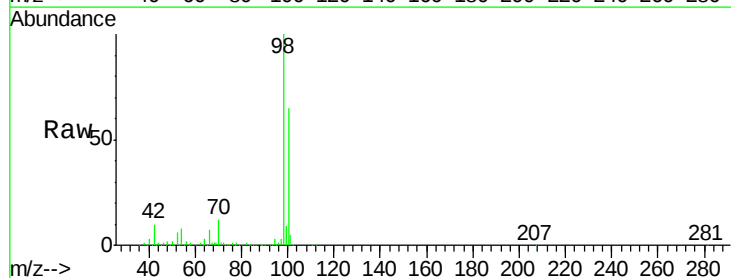
Acq: 08 Oct 2020 12:19

Tgt Ion: 43 Resp: 2686

Ion Ratio Lower Upper

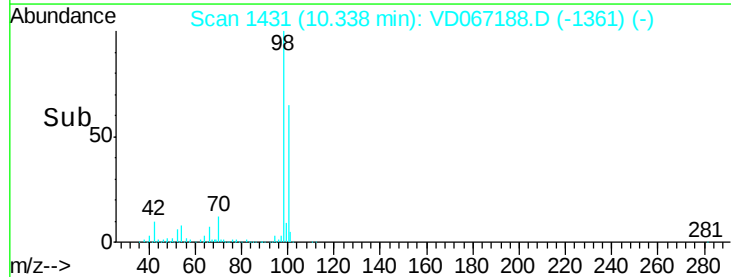
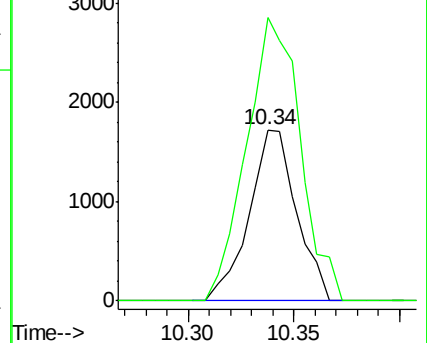
43 100

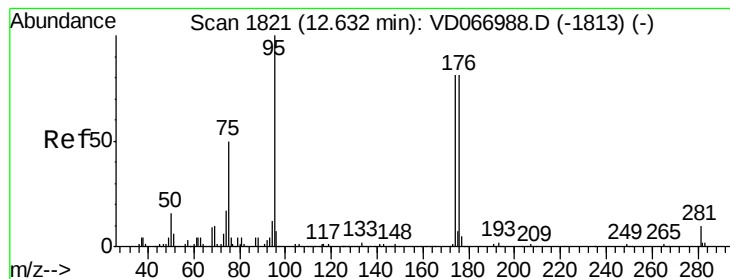
58 187.9 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 47.238 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067188.D

Acq: 08 Oct 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

TP-(5)-GRAB

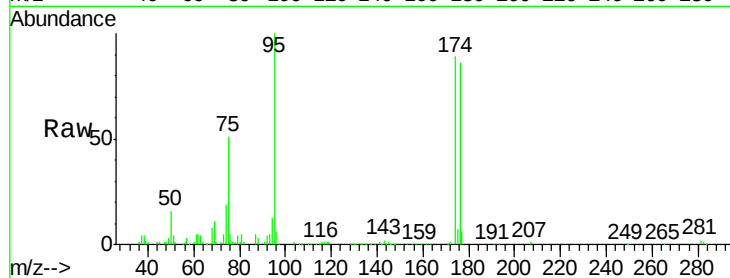
Tgt Ion: 95 Resp: 228790

Ion Ratio Lower Upper

95 100

174 87.5 0.0 167.6

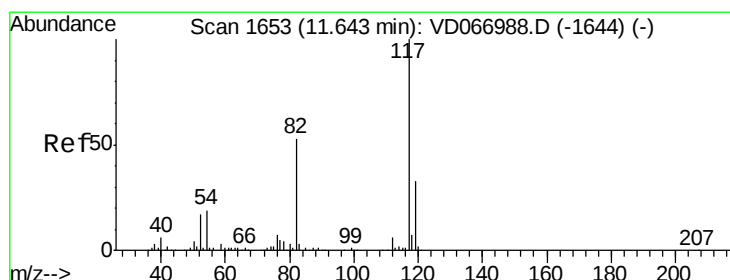
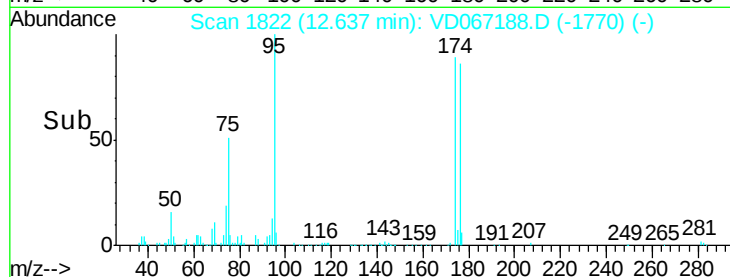
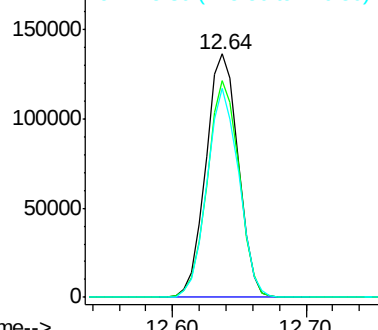
176 84.5 0.0 162.4



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: VD067188.D

Acq: 08 Oct 2020 12:19

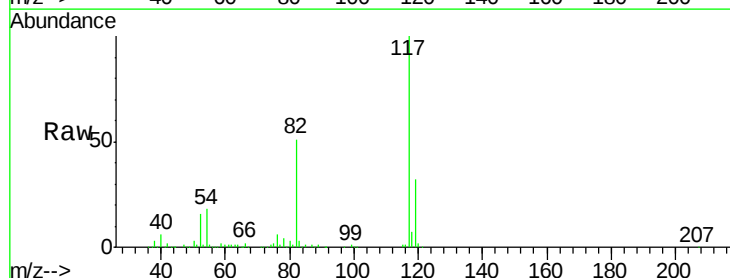
Tgt Ion: 117 Resp: 554802

Ion Ratio Lower Upper

117 100

82 50.7 42.6 63.8

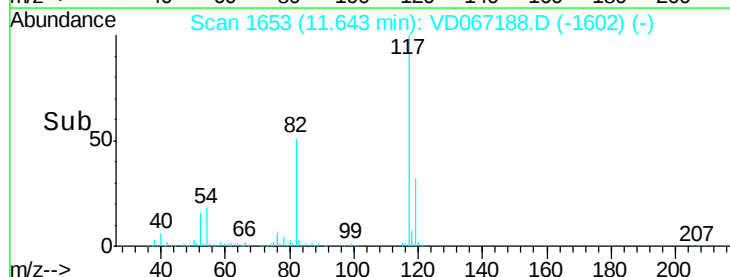
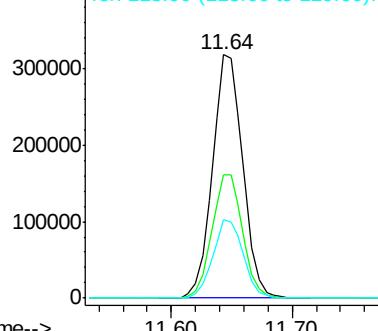
119 32.0 26.3 39.5

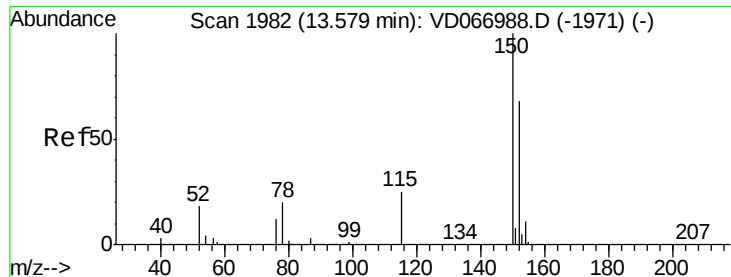


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1983

Delta R.T. 0.01 min

Lab File: VD067188.D

Acq: 08 Oct 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

TP-(5)-GRAB

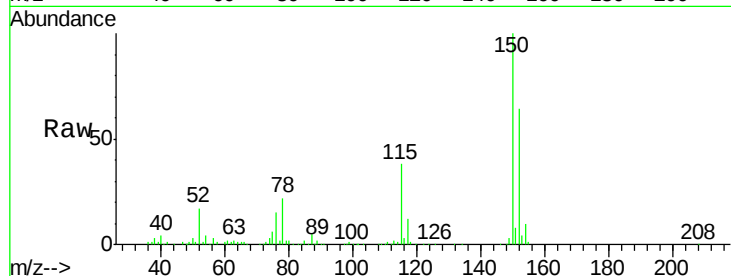
Tgt Ion:152 Resp: 258201

Ion Ratio Lower Upper

152 100

115 57.4 29.6 88.8

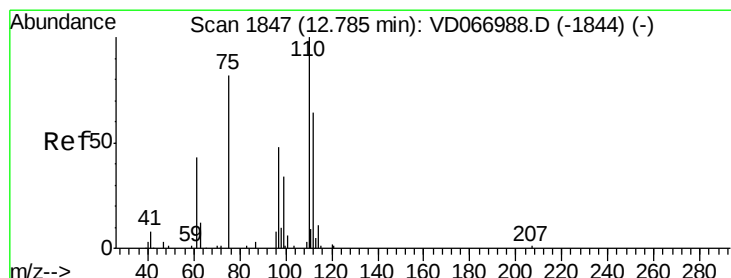
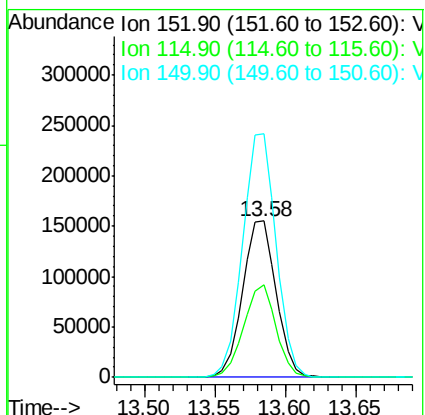
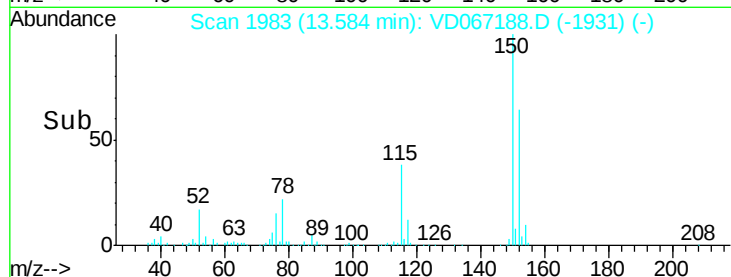
150 155.5 0.0 344.8



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: 52.092 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067188.D

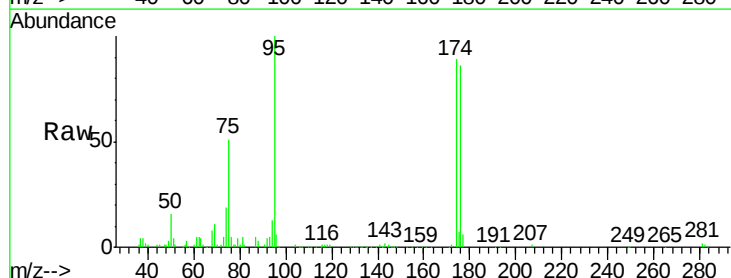
Acq: 08 Oct 2020 12:19

Tgt Ion: 75 Resp: 117155

Ion Ratio Lower Upper

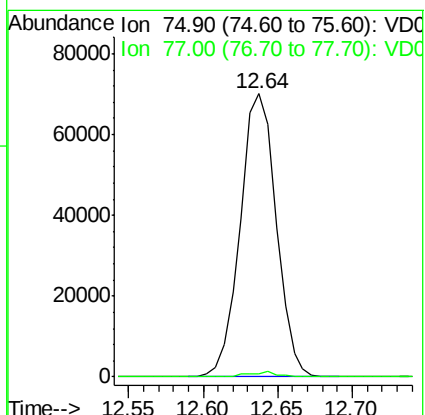
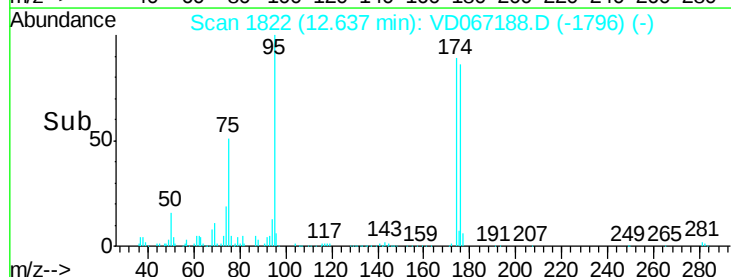
75 100

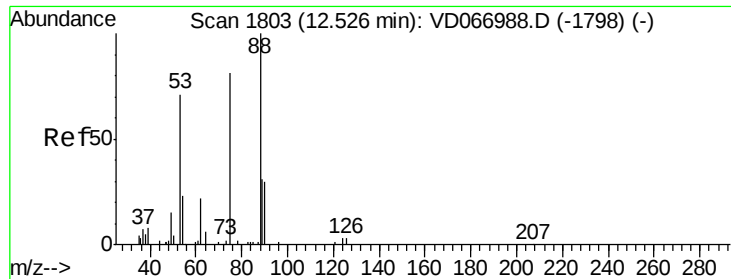
77 1.3 0.0 0.0#



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: 129.871 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067188.D

Acq: 08 Oct 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

TP-(5)-GRAB

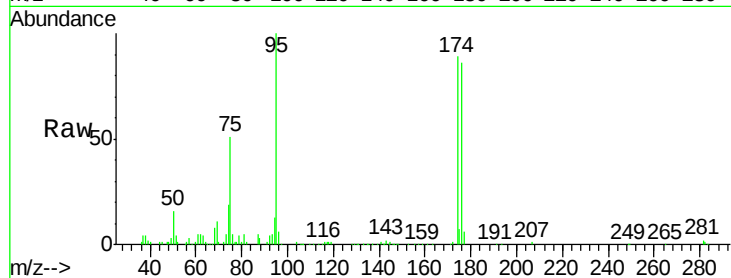
Tgt Ion: 75 Resp: 117155

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#



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

