

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100820\
 Data File : VD067184.D
 Acq On : 08 Oct 2020 10:30
 Operator : VA/SY
 Sample : VD1008SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBL01

Quant Time: Oct 08 16:17:47 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	421314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	671046	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	610198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	289096	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	204885	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	7.91	113	213241	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	10.34	98	757001	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
62) 4-Bromofluorobenzene	12.64	95	263491	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

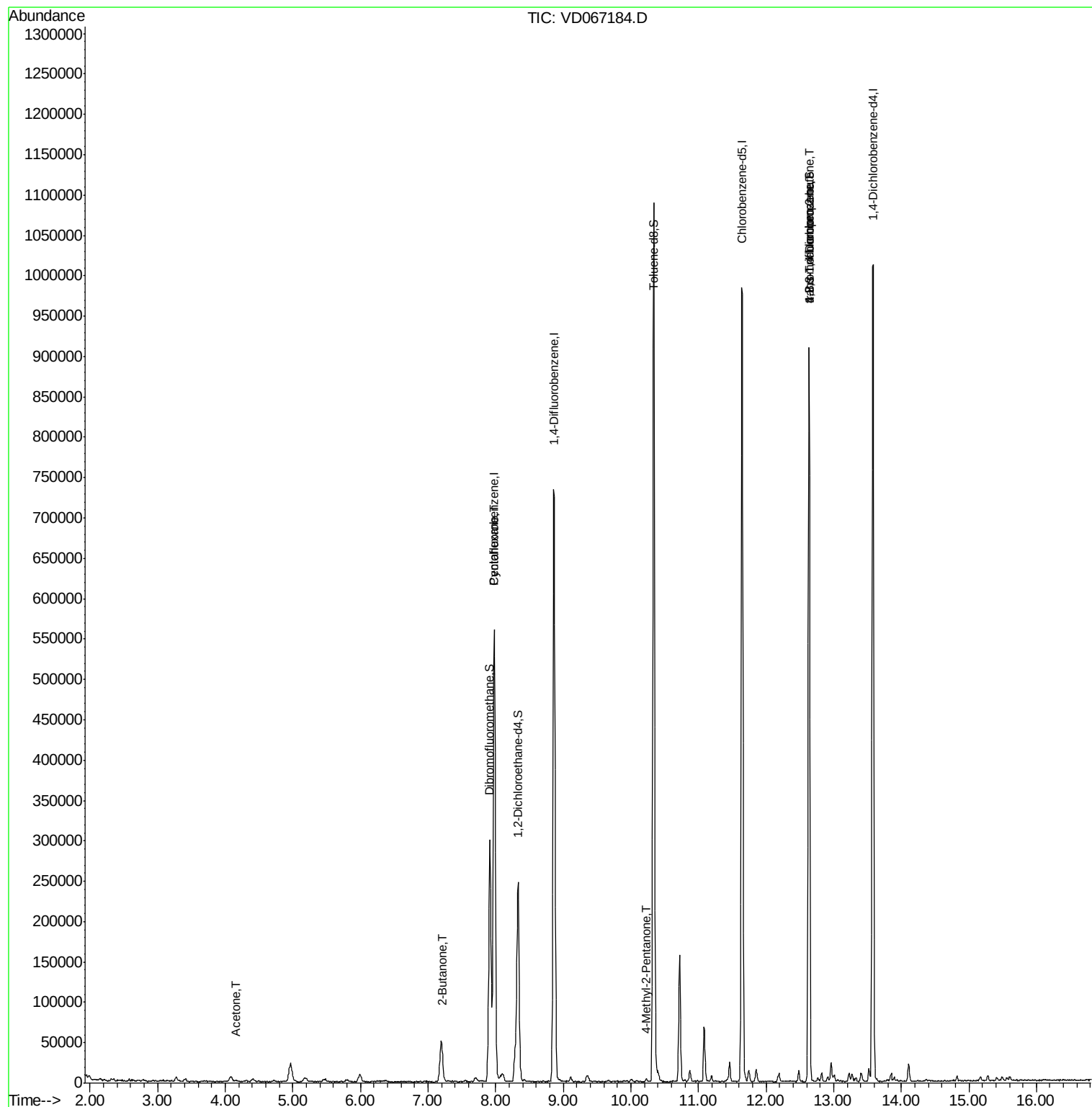
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	3354	Below Cal		77
5) Bromomethane	2.78	94	1480	Below Cal	#	53
11) Tert butyl alcohol	5.18	59	4630	Below Cal	#	72
16) Acetone	4.16	43	2518	4.065	ug/l	98
20) Methylene Chloride	4.96	84	18363	Below Cal	#	91
25) 2-Butanone	7.21	43	1119	1.274	ug/l #	79
26) 2,2-Dichloropropane	7.20	77	6645	Below Cal	#	59
31) Cyclohexane	7.98	56	11496	1.886	ug/l #	48
51) 4-Methyl-2-Pentanone	10.23	43	3249	1.634	ug/l	88
76) 1,2,3-Trichloropropane	12.64	75	133298	52.935	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	133298	131.975	ug/l #	12

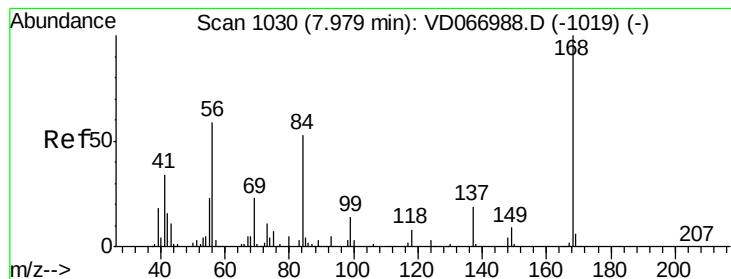
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100820\
Data File : VD067184.D
Acq On : 08 Oct 2020 10:30
Operator : VA/SY
Sample : VD1008SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBL01

Quant Time: Oct 08 16:17:47 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: VD067184.D

Acq: 08 Oct 2020 10:30

Instrument :

MSVOA_D

ClientSampleId :

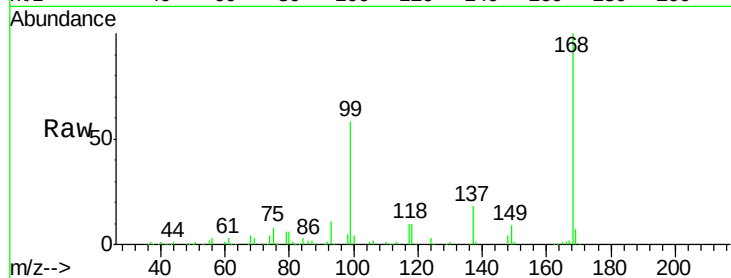
VD1008SBL01

Tgt Ion:168 Resp: 421314

Ion Ratio Lower Upper

168 100

99 57.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

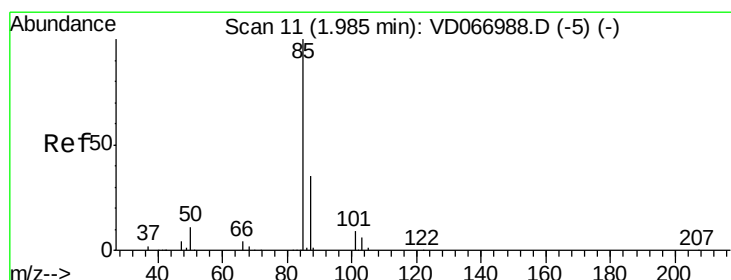
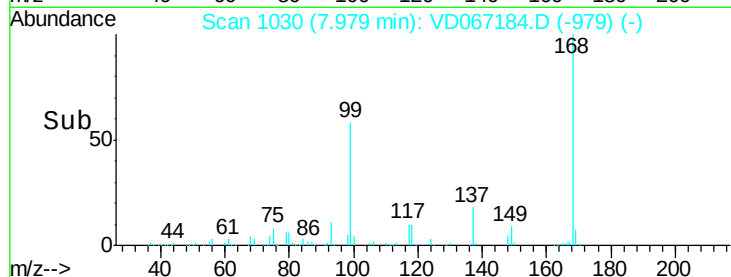
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD067184.D

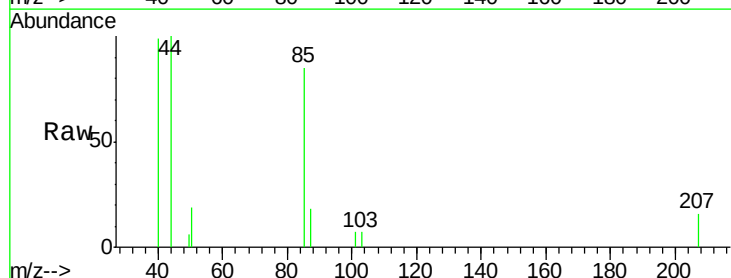
Acq: 08 Oct 2020 10:30

Tgt Ion: 85 Resp: 3354

Ion Ratio Lower Upper

85 100

87 21.6 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

2500

2000

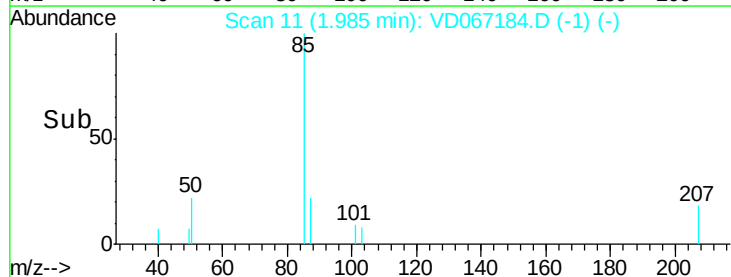
1500

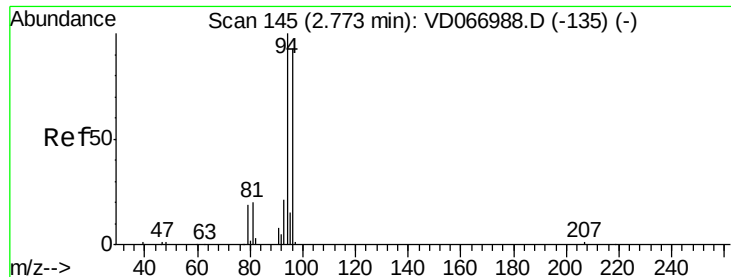
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067184.D

Acq: 08 Oct 2020 10:30

Instrument :

MSVOA_D

ClientSampleId :

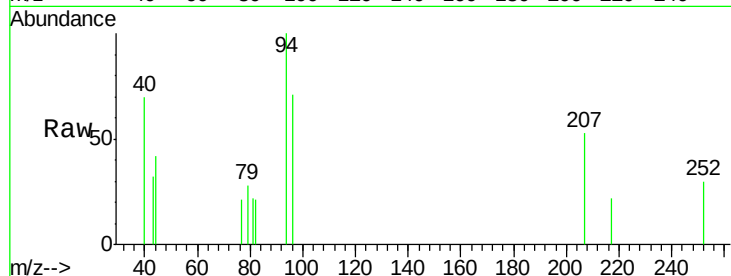
VD1008SBL01

Tgt Ion: 94 Resp: 1480

Ion Ratio Lower Upper

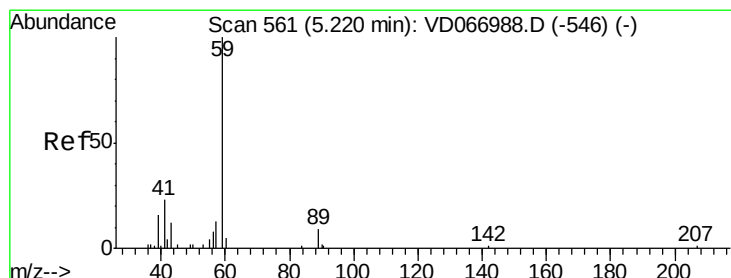
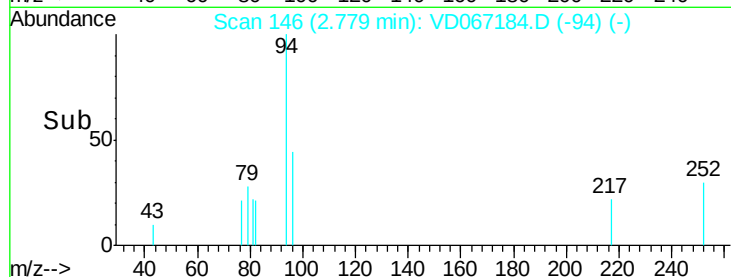
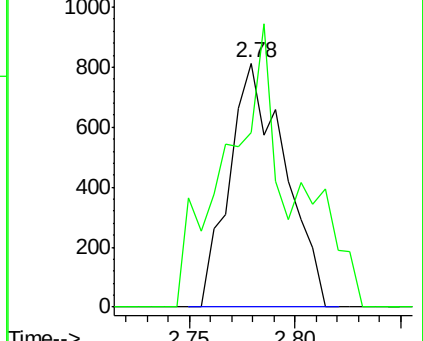
94 100

96 48.0 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: 5.18 min Scan# 555

Delta R.T. -0.04 min

Lab File: VD067184.D

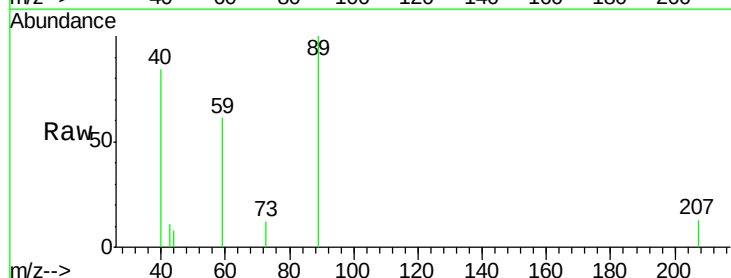
Acq: 08 Oct 2020 10:30

Tgt Ion: 59 Resp: 4630

Ion Ratio Lower Upper

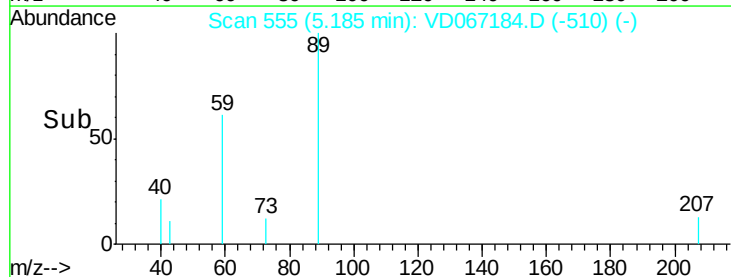
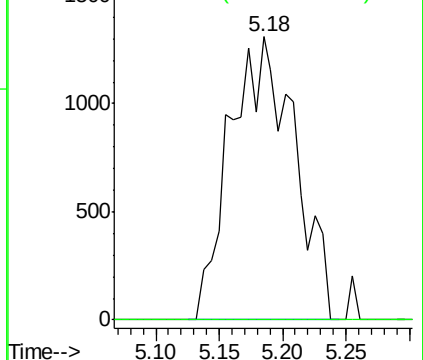
59 100

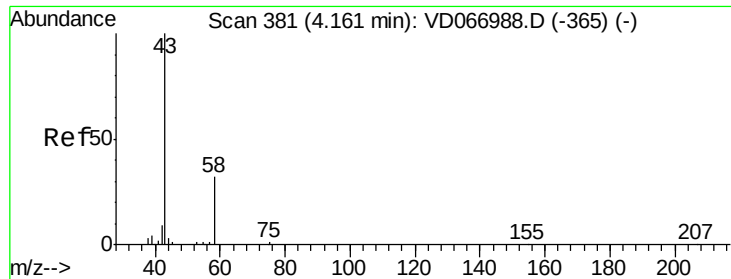
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 4.065 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067184.D

Acq: 08 Oct 2020 10:30

Instrument :

MSVOA_D

ClientSampleId :

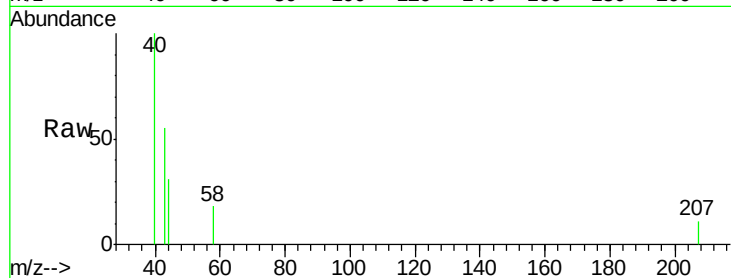
VD1008SBL01

Tgt Ion: 43 Resp: 2518

Ion Ratio Lower Upper

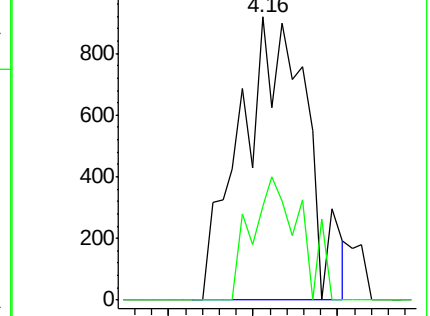
43 100

58 33.3 25.9 38.9

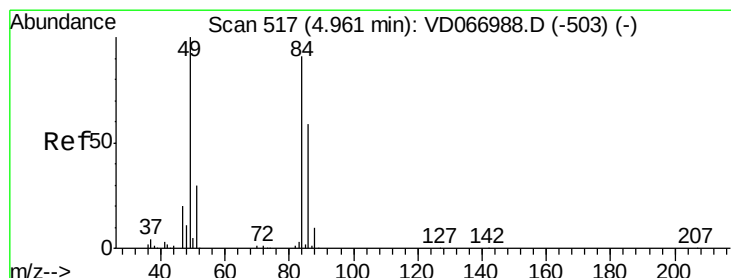
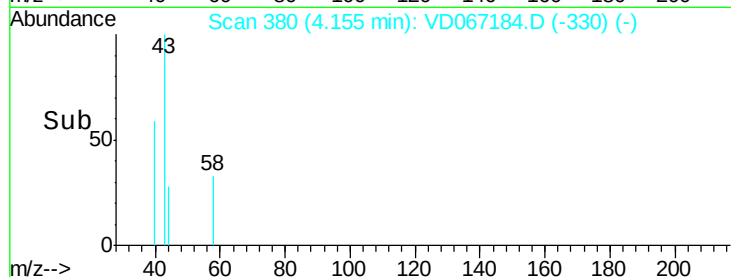


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067184.D

Acq: 08 Oct 2020 10:30

Tgt Ion: 84 Resp: 18363

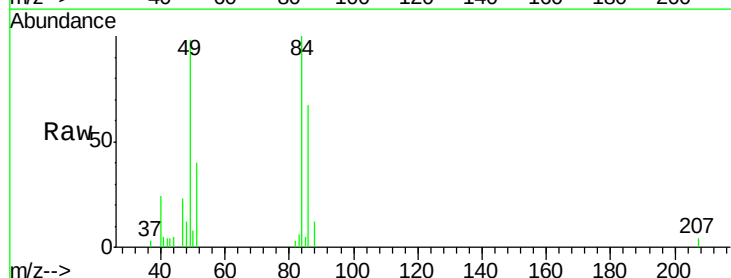
Ion Ratio Lower Upper

84 100

49 98.4 88.2 132.2

51 40.3 26.6 39.8#

86 67.5 52.1 78.1

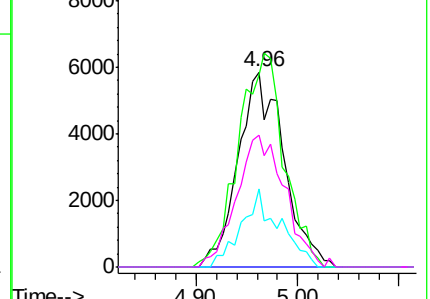


Abundance Ion 83.90 (83.60 to 84.60): VDC

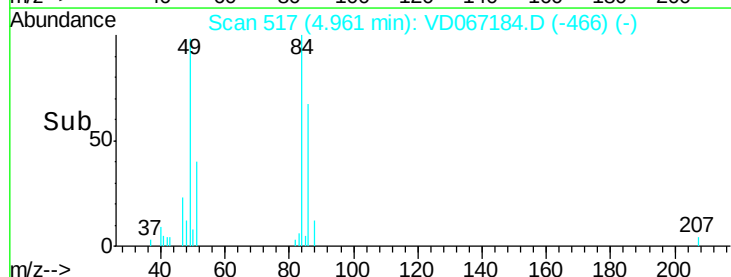
Ion 48.90 (48.60 to 49.60): VDC

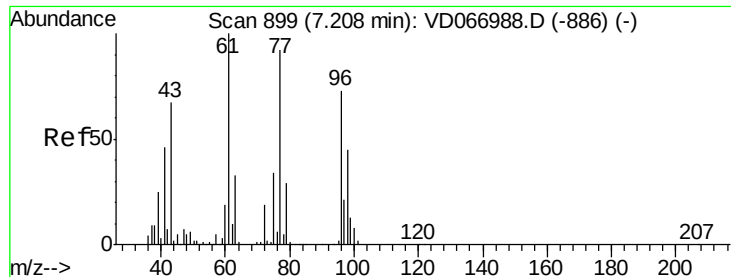
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time-->





#25

2-Butanone

Concen: 1.274 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067184.D

Acq: 08 Oct 2020 10:30

Instrument :

MSVOA_D

ClientSampleId :

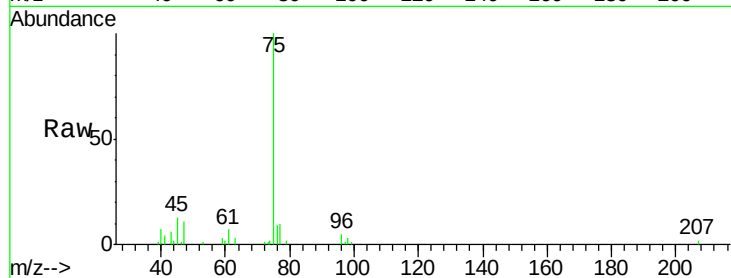
VD1008SBL01

Tgt Ion: 43 Resp: 1119

Ion Ratio Lower Upper

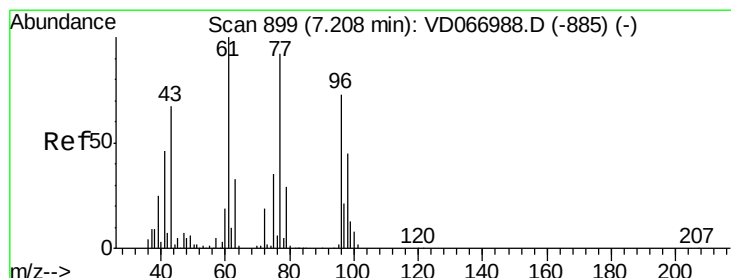
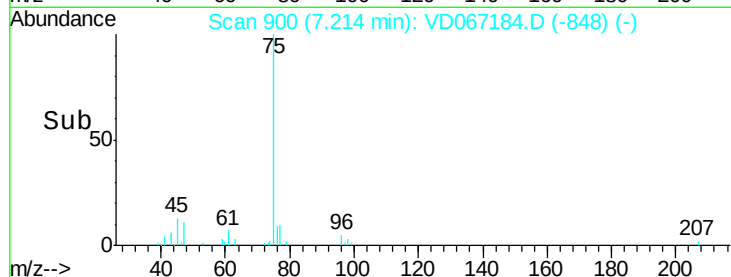
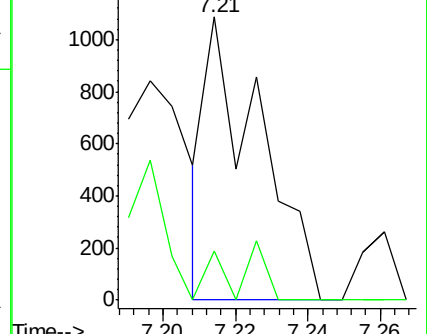
43 100

72 17.5 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067184.D

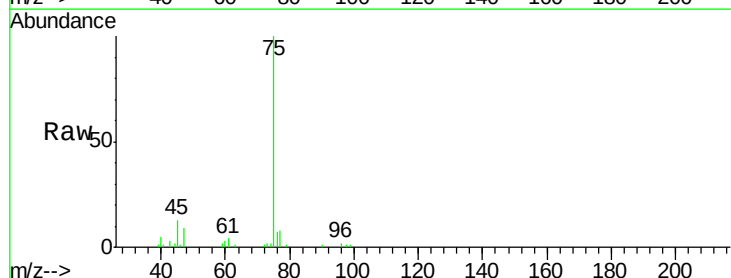
Acq: 08 Oct 2020 10:30

Tgt Ion: 77 Resp: 6645

Ion Ratio Lower Upper

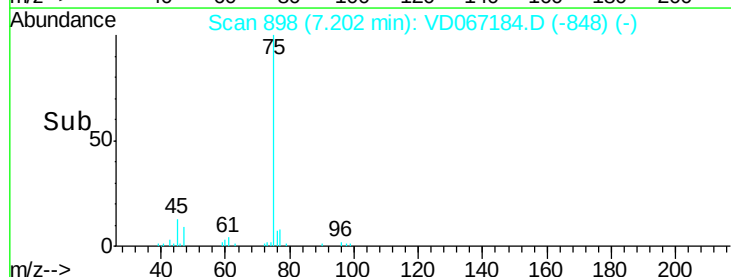
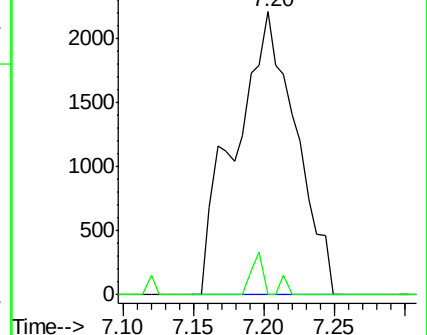
77 100

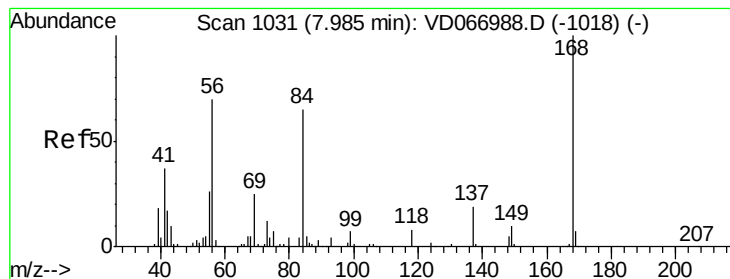
97 2.8 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#31

Cyclohexane

Concen: 1.886 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067184.D

Acq: 08 Oct 2020 10:30

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBL01

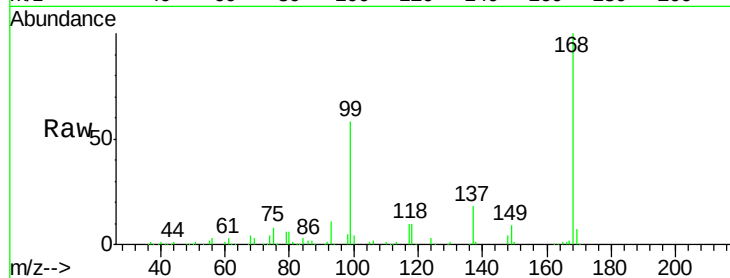
Tgt Ion: 56 Resp: 11496

Ion Ratio Lower Upper

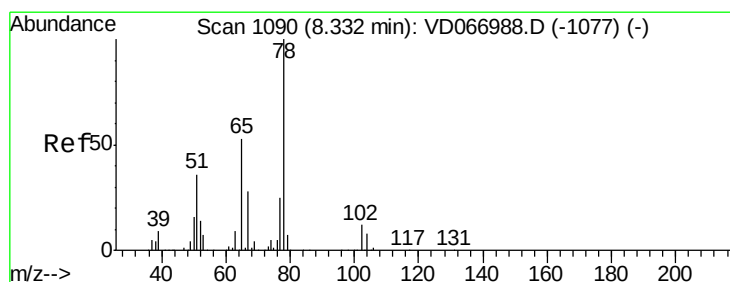
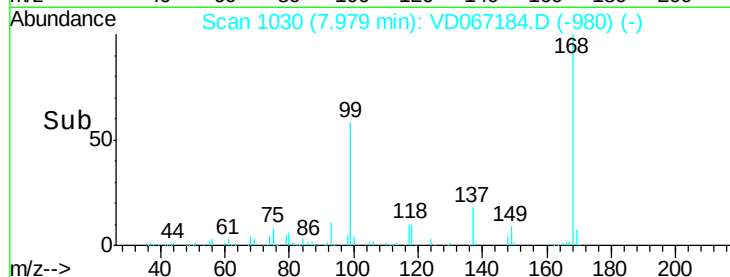
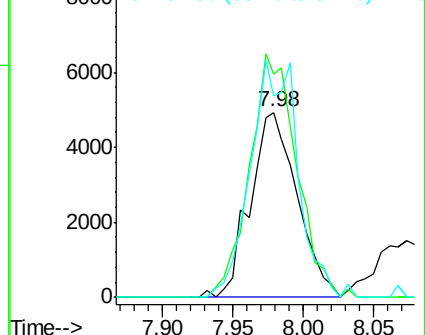
56 100

69 120.6 29.0 43.6#

84 108.9 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: 50.488 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD067184.D

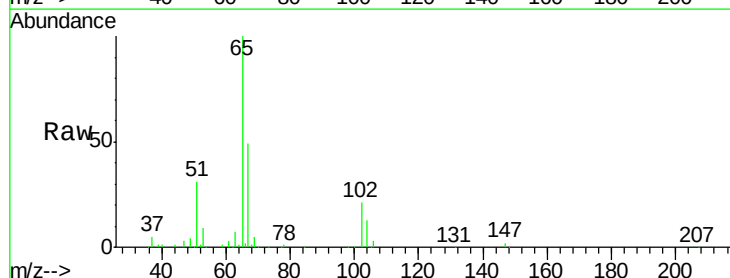
Acq: 08 Oct 2020 10:30

Tgt Ion: 65 Resp: 204885

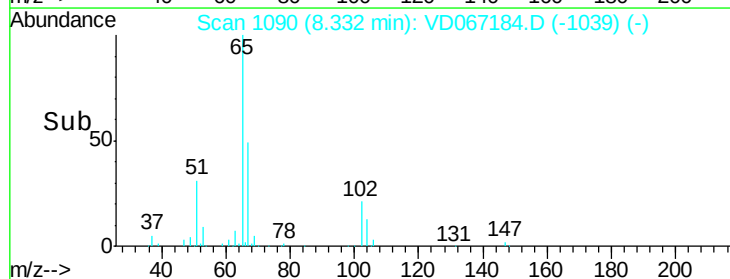
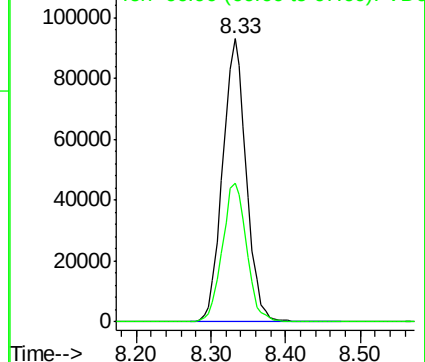
Ion Ratio Lower Upper

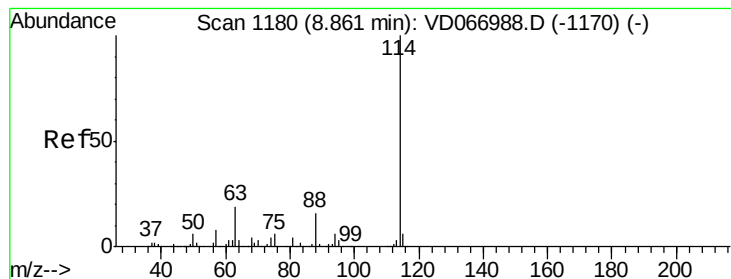
65 100

67 50.5 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: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD067184.D

Acq: 08 Oct 2020 10:30

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBL01

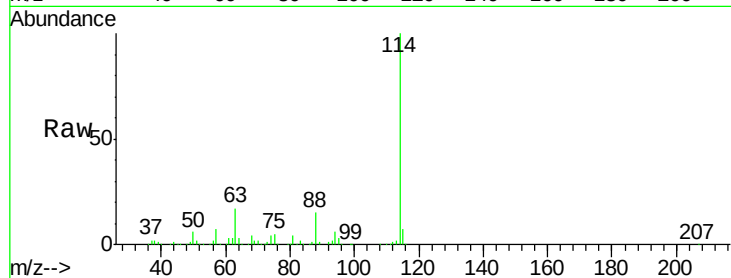
Tgt Ion:114 Resp: 671046

Ion Ratio Lower Upper

114 100

63 16.7 0.0 38.4

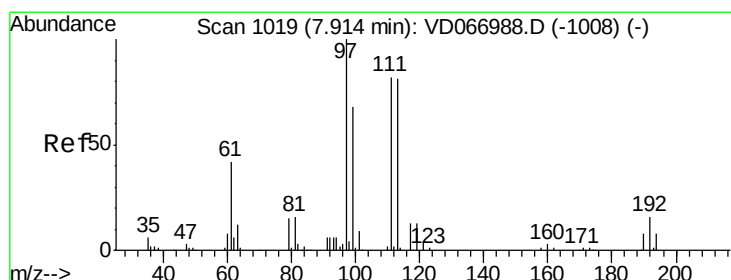
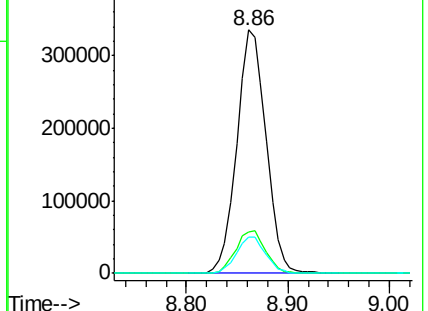
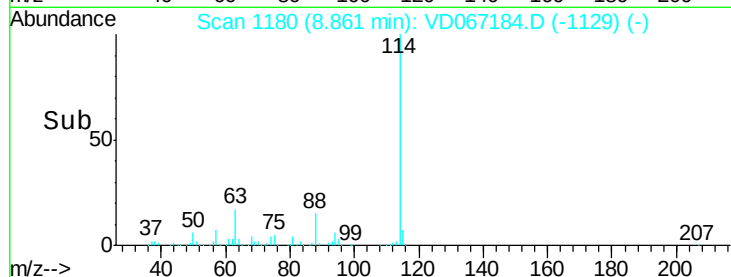
88 15.0 0.0 31.2



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: 48.539 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD067184.D

Acq: 08 Oct 2020 10:30

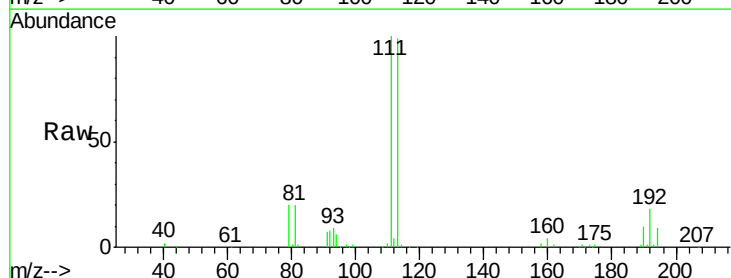
Tgt Ion:113 Resp: 213241

Ion Ratio Lower Upper

113 100

111 101.4 83.0 124.4

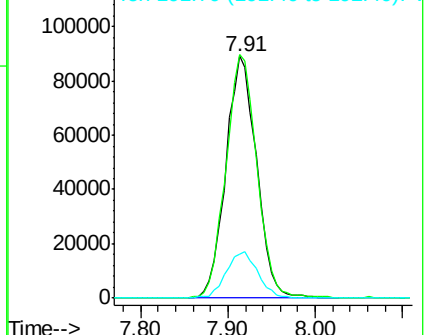
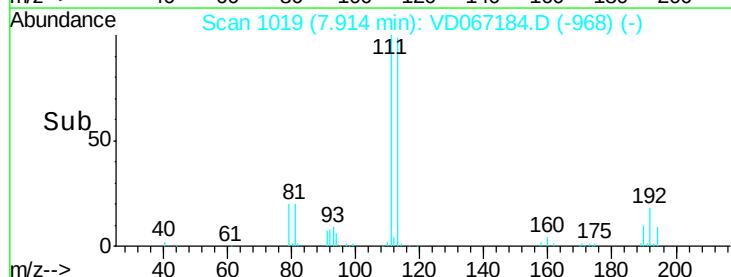
192 19.7 15.5 23.3

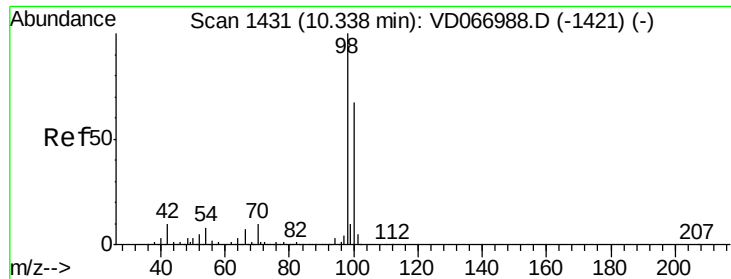


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

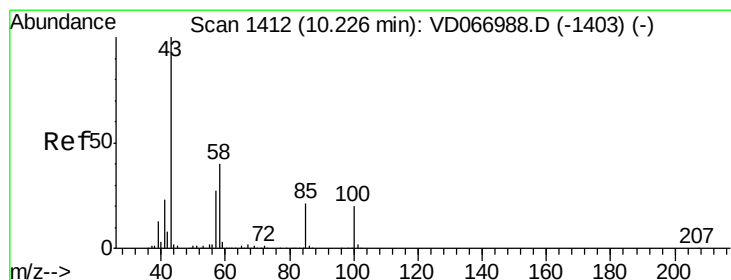
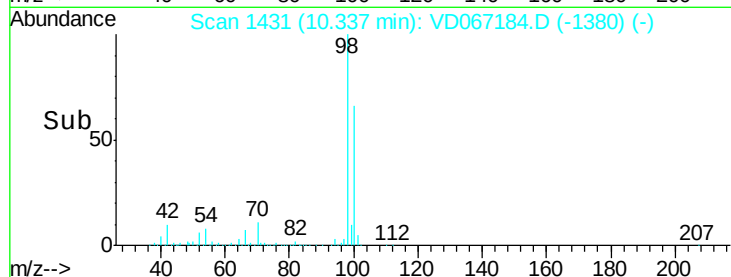
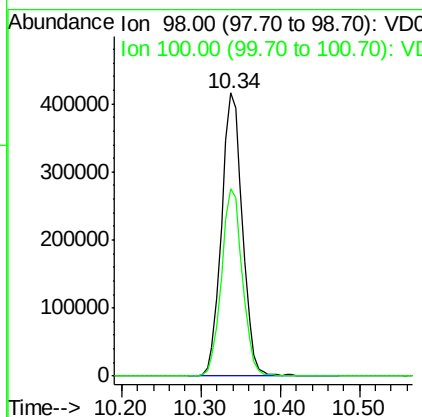
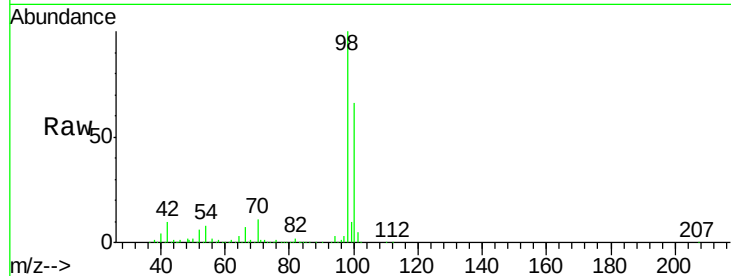




#50
Toluene-d8
Concen: 47.288 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067184.D
Acq: 08 Oct 2020 10:30

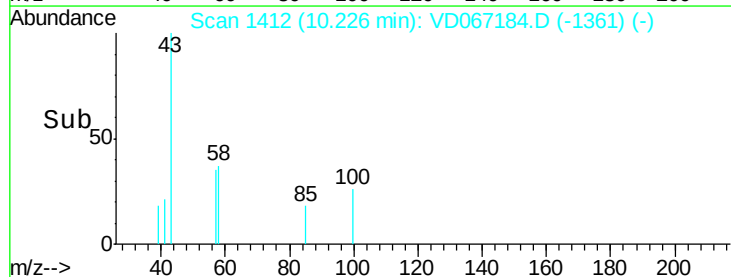
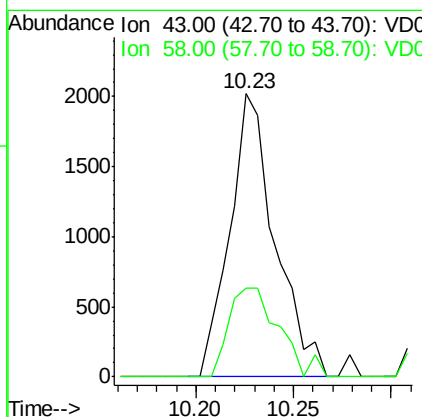
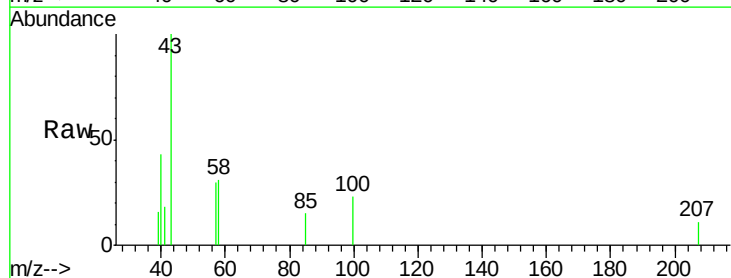
Instrument :
MSVOA_D
ClientSampleId :
VD1008SBL01

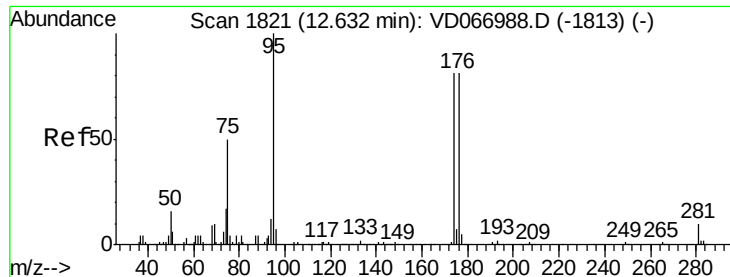
Tgt Ion: 98 Resp: 757001
Ion Ratio Lower Upper
98 100
100 66.1 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.634 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD067184.D
Acq: 08 Oct 2020 10:30

Tgt Ion: 43 Resp: 3249
Ion Ratio Lower Upper
43 100
58 34.9 33.8 50.8

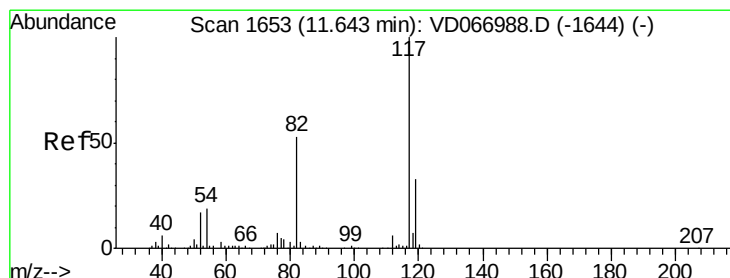
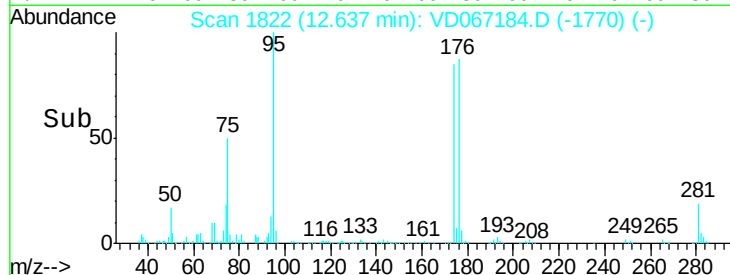
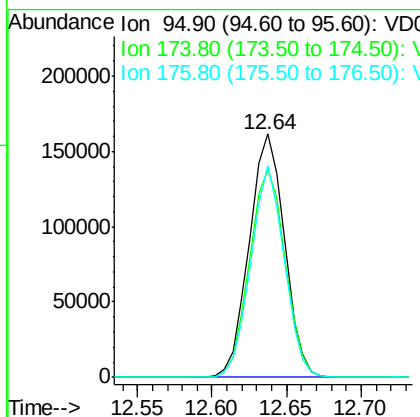
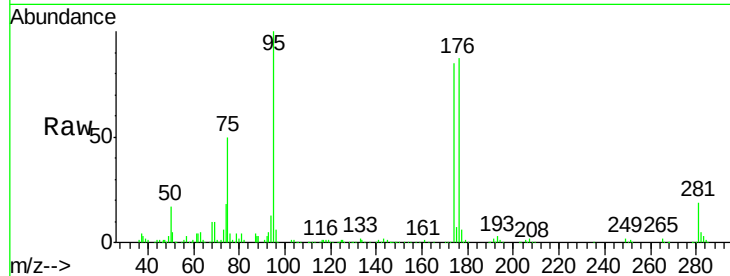




#62
4-Bromofluorobenzene
Concen: 48.485 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067184.D
Acq: 08 Oct 2020 10:30

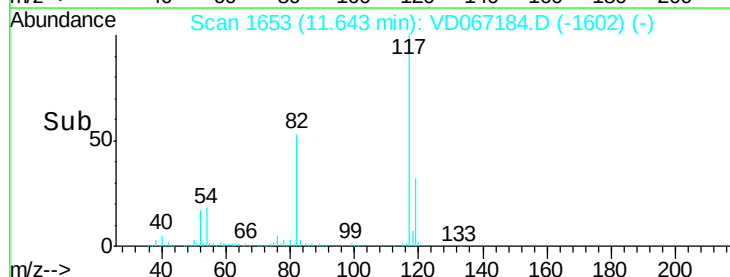
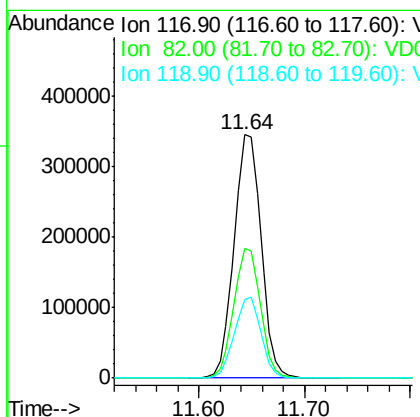
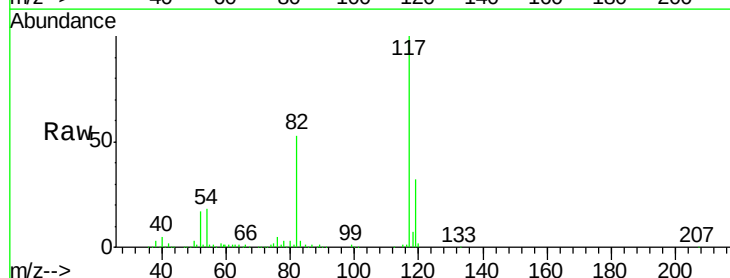
Instrument :
MSVOA_D
ClientSampleId :
VD1008SBL01

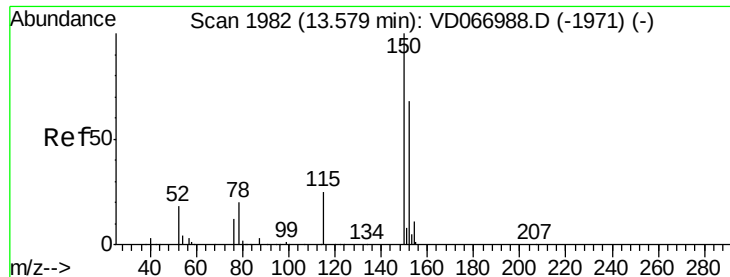
Tgt Ion: 95 Resp: 263491
Ion Ratio Lower Upper
95 100
174 86.7 0.0 167.6
176 82.7 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067184.D
Acq: 08 Oct 2020 10:30

Tgt Ion: 117 Resp: 610198
Ion Ratio Lower Upper
117 100
82 53.5 42.6 63.8
119 32.0 26.3 39.5



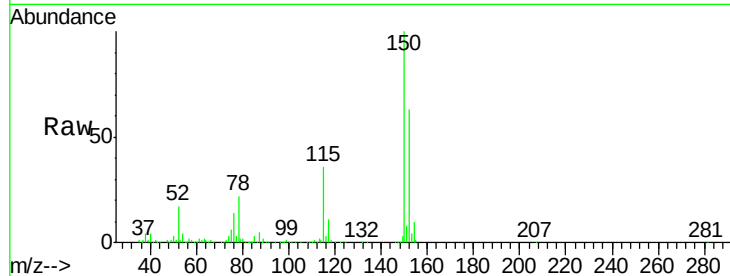


#72

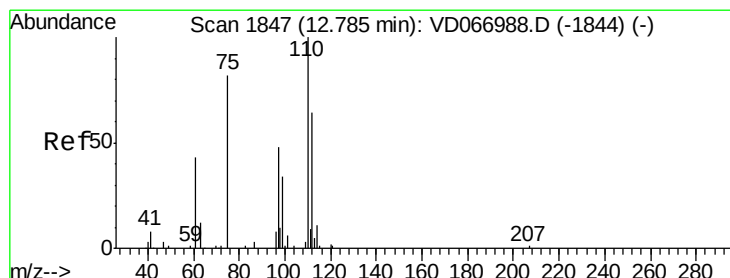
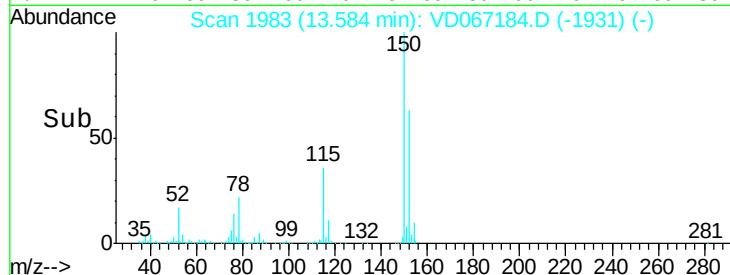
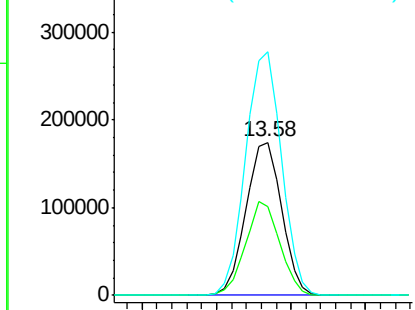
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067184.D
Acq: 08 Oct 2020 10:30

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBL01

Tgt Ion:152 Resp: 289096
Ion Ratio Lower Upper
152 100
115 58.9 29.6 88.8
150 160.0 0.0 344.8



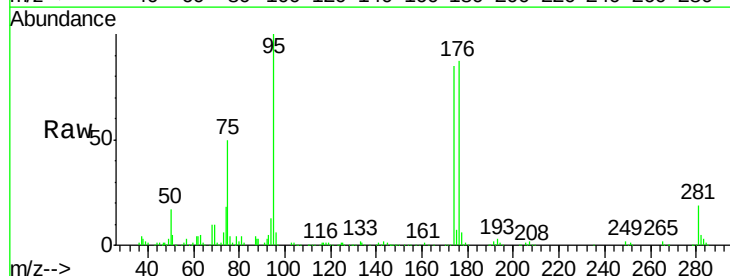
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



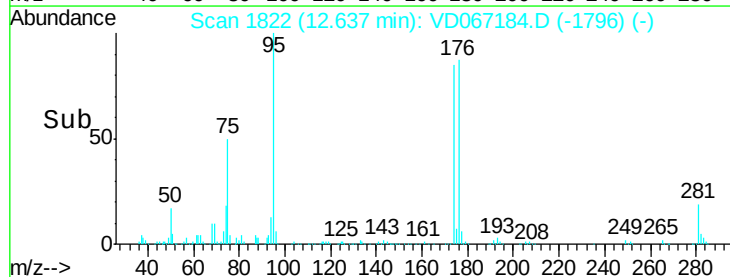
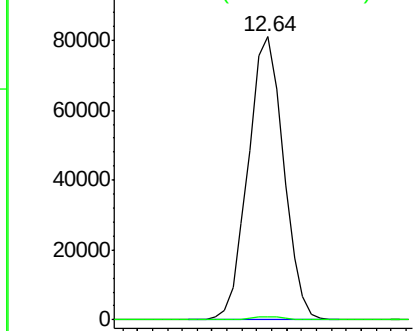
#76

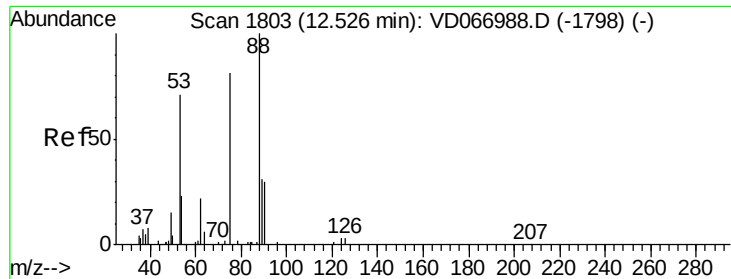
1,2,3-Trichloropropane
Concen: 52.935 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067184.D
Acq: 08 Oct 2020 10:30

Tgt Ion: 75 Resp: 133298
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: 131.975 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067184.D

Acq: 08 Oct 2020 10:30

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBL01

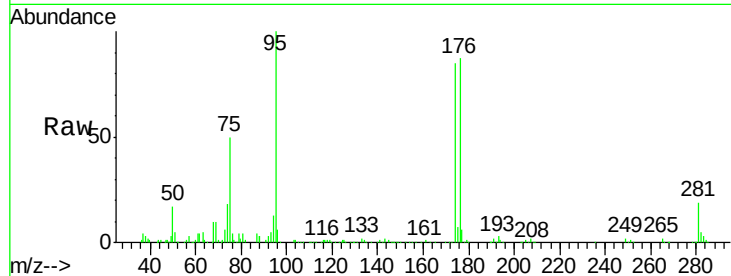
Tgt Ion: 75 Resp: 133298

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.2 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

