

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067157.D
 Acq On : 07 Oct 2020 17:24
 Operator : VA/SY
 Sample : L4273-20
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-10A

Quant Time: Oct 08 07:24:45 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	389432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	626162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	594680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281435	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	194625	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
35) Dibromofluoromethane	7.91	113	204946	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.34	98	733182	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.64	95	252334	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	

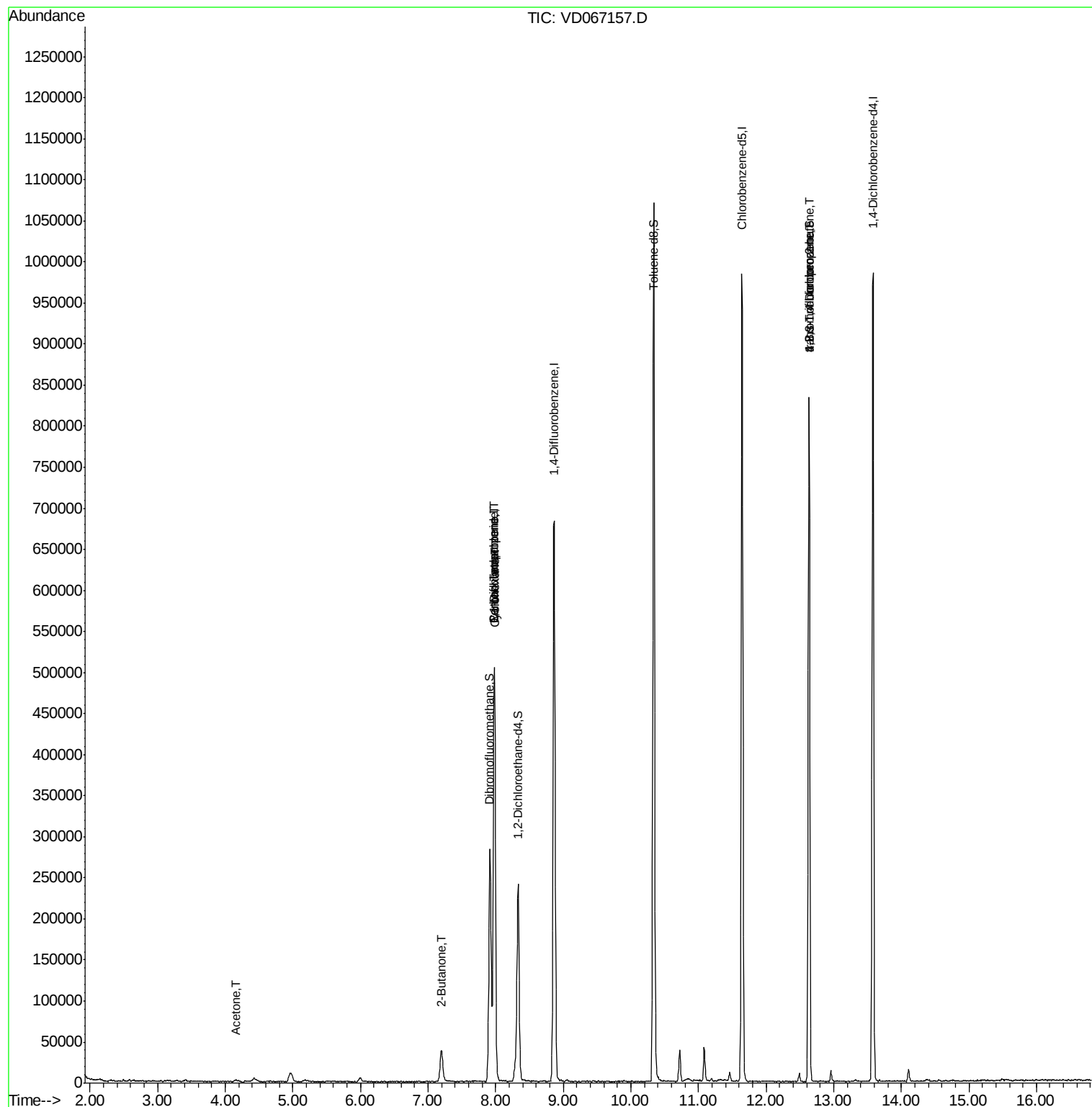
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	932	Below Cal		84
5) Bromomethane	2.77	94	165	Below Cal	#	78
11) Tert butyl alcohol	5.19	59	2405	Below Cal	#	72
16) Acetone	4.16	43	4672	8.159	ug/l	90
20) Methylene Chloride	4.96	84	4571	Below Cal	#	88
25) 2-Butanone	7.21	43	1142	1.407	ug/l #	46
26) 2,2-Dichloropropane	7.18	77	1324	Below Cal	#	53
31) Cyclohexane	7.99	56	8185	1.453	ug/l #	47
36) 1,1-Dichloropropene	7.98	75	29283	5.017	ug/l #	52
38) Carbon Tetrachloride	7.98	117	39038	6.182	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	128446	52.397	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	128446	130.633	ug/l #	12

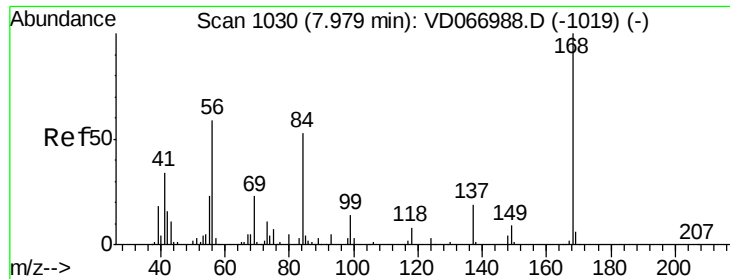
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100720\
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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# 1031

Delta R.T. 0.01 min

Lab File: VD067157.D

Acq: 07 Oct 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

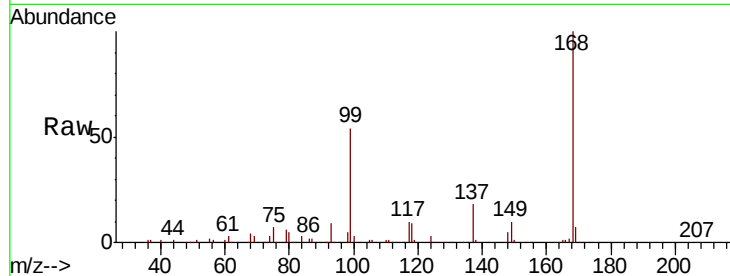
SB-10A

Tot Ion:168 Resp: 389432

Ion Ratio Lower Upper

168 100

99 54.5 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

150000

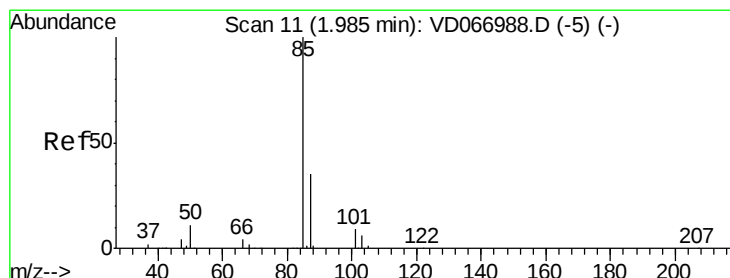
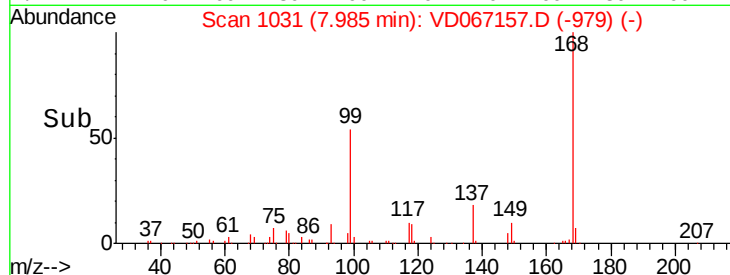
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067157.D

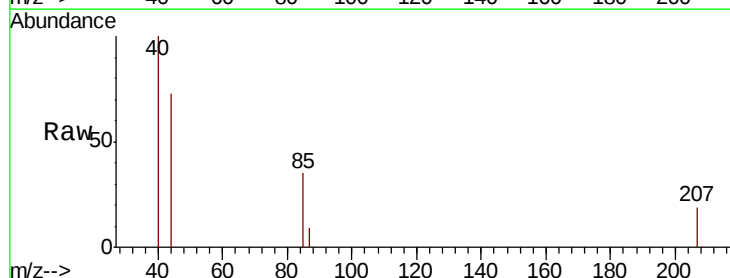
Acq: 07 Oct 2020 17:24

Tgt Ion: 85 Resp: 932

Ion Ratio Lower Upper

85 100

87 25.2 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

800

600

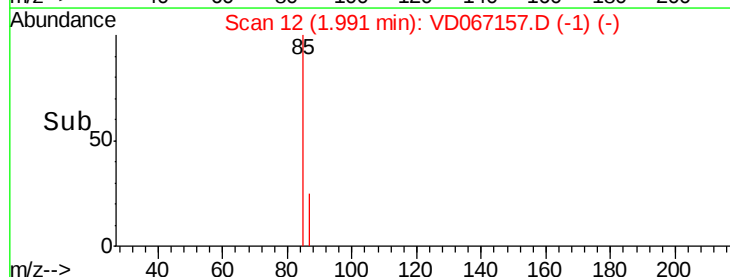
400

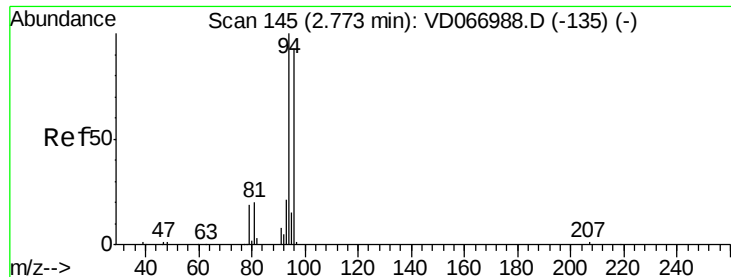
200

0

Time-->

1.94 1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067157.D

Acq: 07 Oct 2020 17:24

Instrument :

MSVOA_D

ClientSampleID :

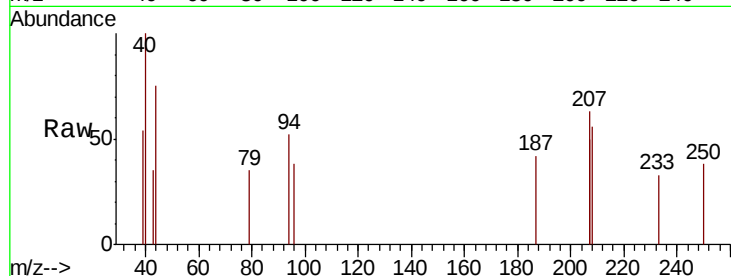
SB-10A

Tot Ion: 94 Resp: 165

Ion Ratio Lower Upper

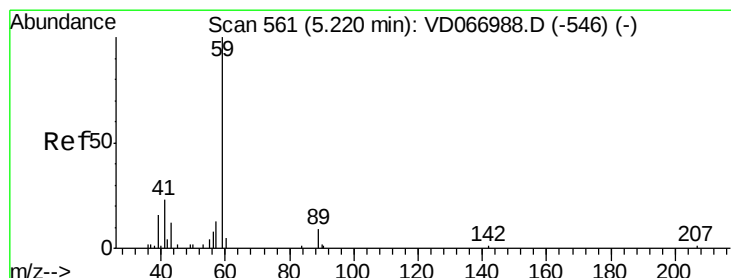
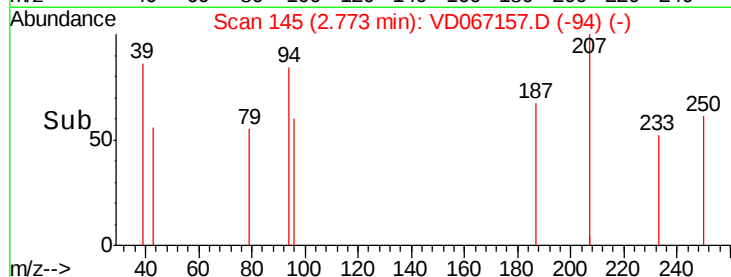
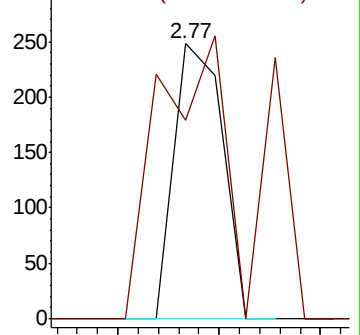
94 100

96 72.2 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: VD067157.D

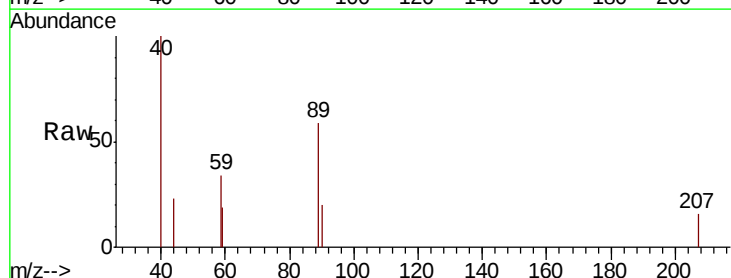
Acq: 07 Oct 2020 17:24

Tgt Ion: 59 Resp: 2405

Ion Ratio Lower Upper

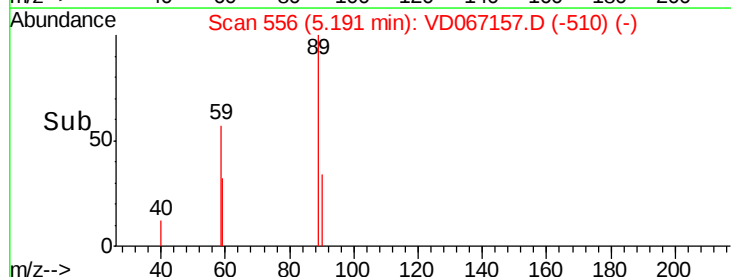
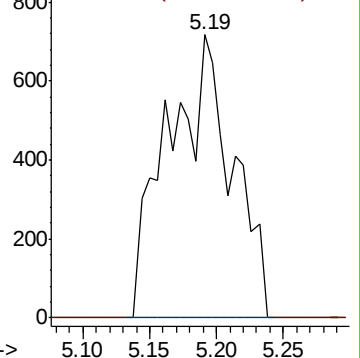
59 100

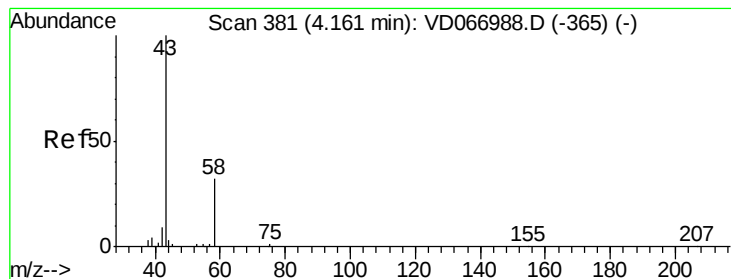
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 8.159 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067157.D

Acq: 07 Oct 2020 17:24

Instrument :

MSVOA_D

ClientSampled :

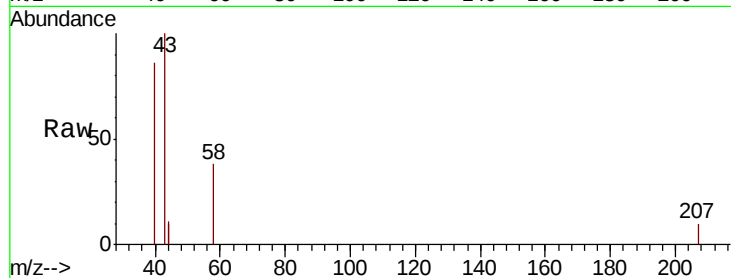
SB-10A

Tot Ion: 43 Resp: 4672

Ion Ratio Lower Upper

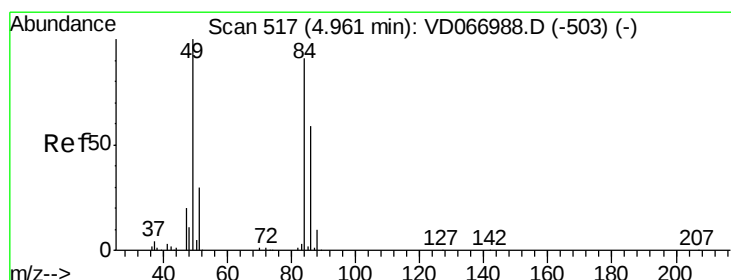
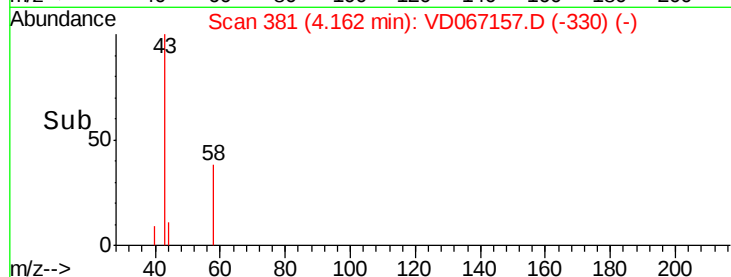
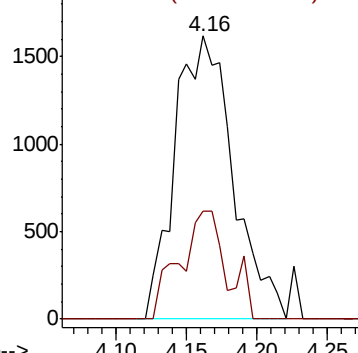
43 100

58 38.2 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067157.D

Acq: 07 Oct 2020 17:24

Tgt Ion: 84 Resp: 4571

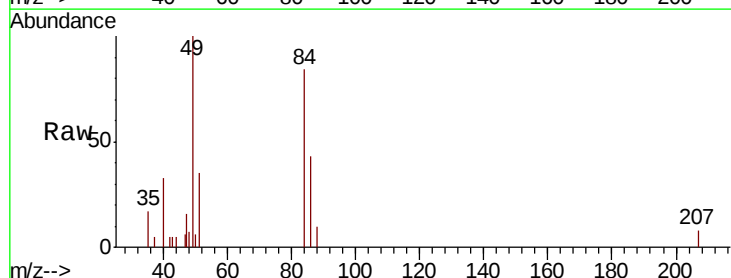
Ion Ratio Lower Upper

84 100

49 119.4 88.2 132.2

51 41.7 26.6 39.8#

86 51.5 52.1 78.1#

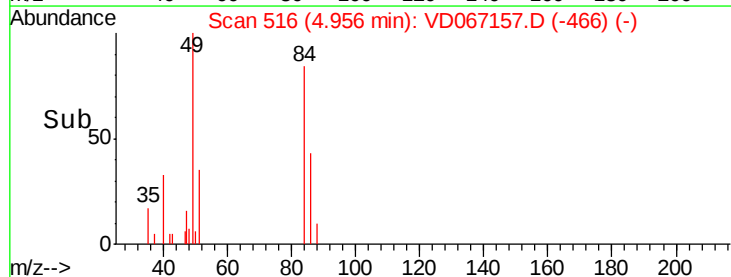
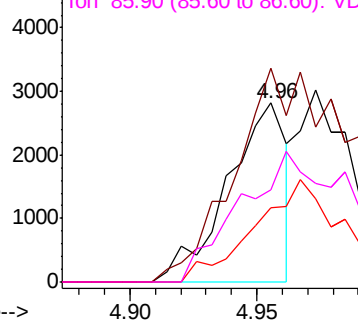


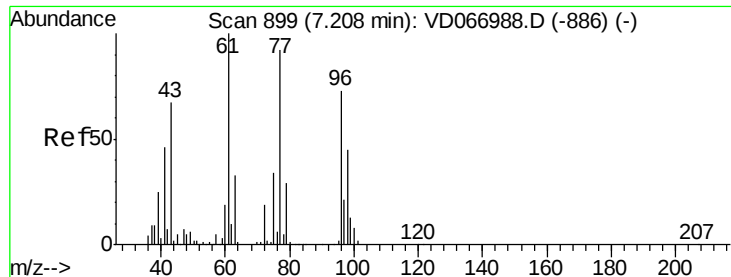
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 1.407 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067157.D

Acq: 07 Oct 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

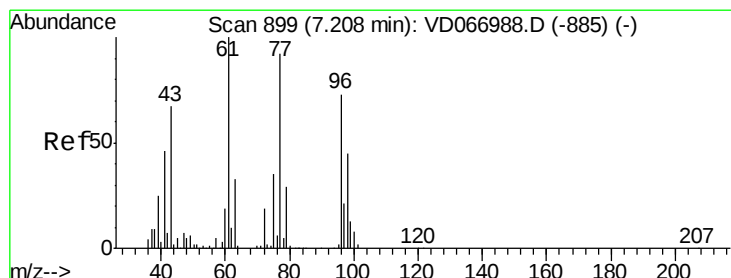
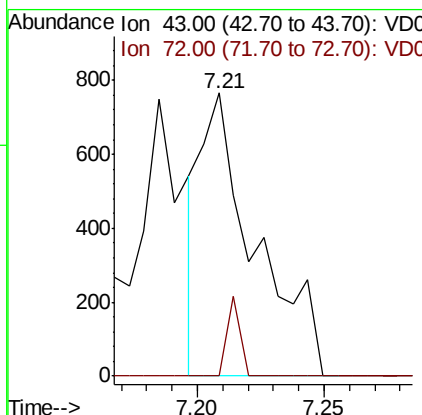
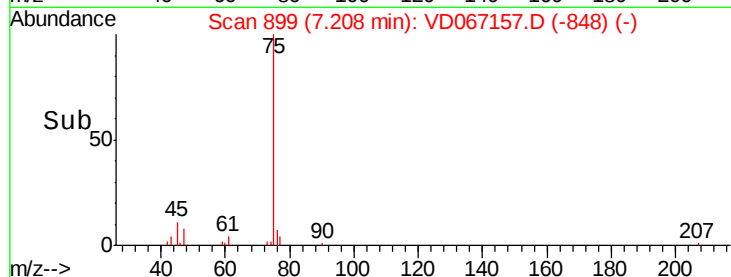
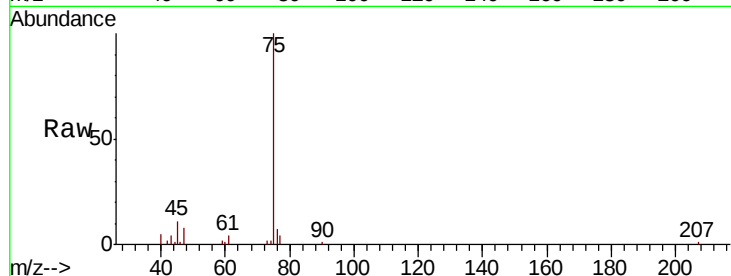
SB-10A

Tot Ion: 43 Resp: 1142

Ion Ratio Lower Upper

43 100

72 0.0 22.8 34.2#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.18 min Scan# 894

Delta R.T. -0.03 min

Lab File: VD067157.D

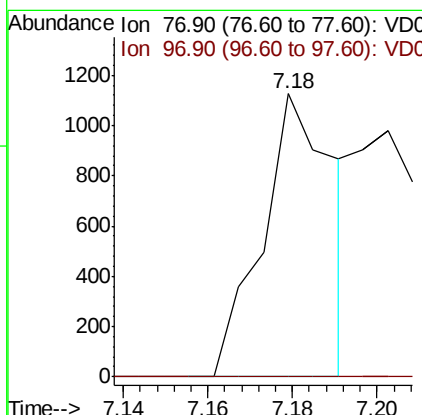
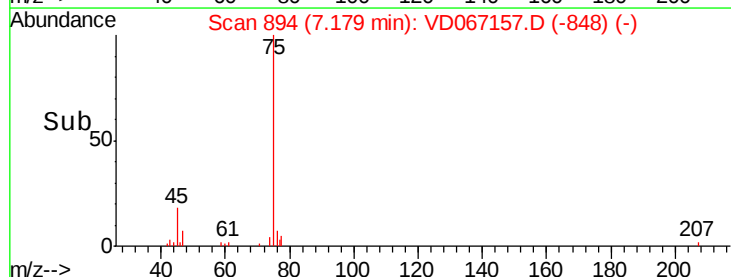
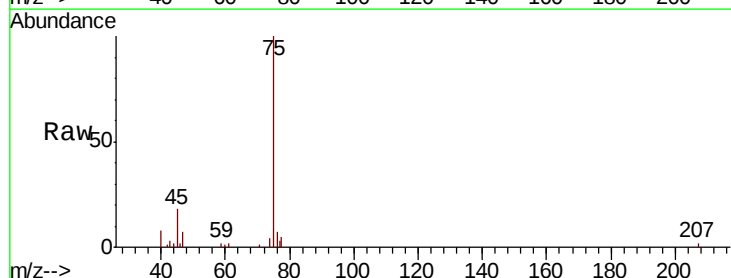
Acq: 07 Oct 2020 17:24

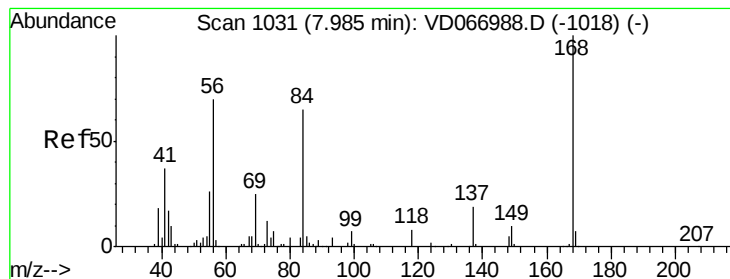
Tgt Ion: 77 Resp: 1324

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#31

Cyclohexane

Concen: 1.453 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067157.D

Acq: 07 Oct 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

SB-10A

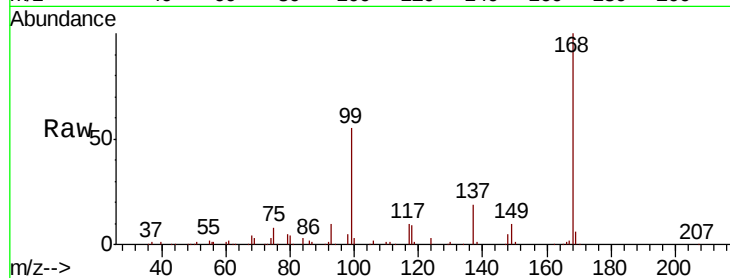
Tot Ion: 56 Resp: 8185

Ion Ratio Lower Upper

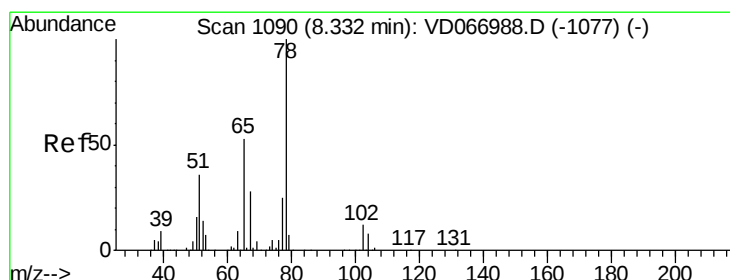
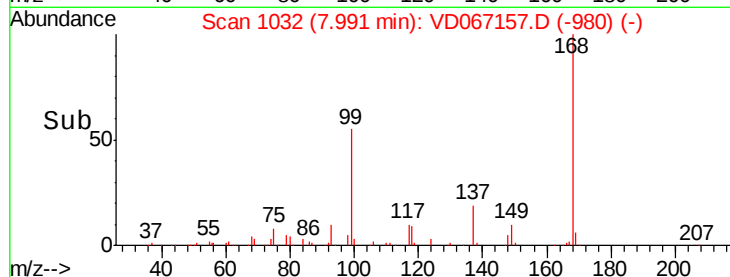
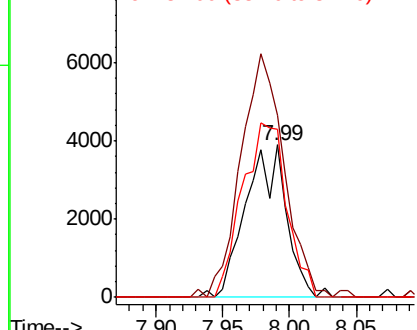
56 100

69 119.6 29.0 43.6#

84 110.2 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: 51.886 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067157.D

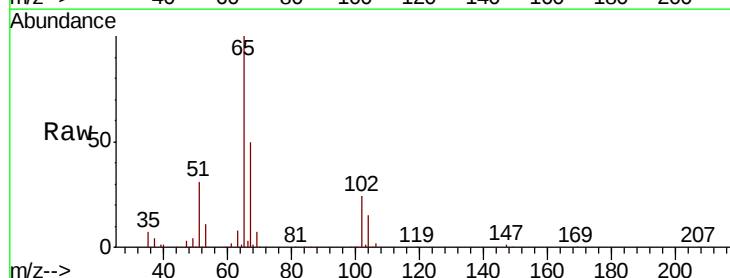
Acq: 07 Oct 2020 17:24

Tgt Ion: 65 Resp: 194625

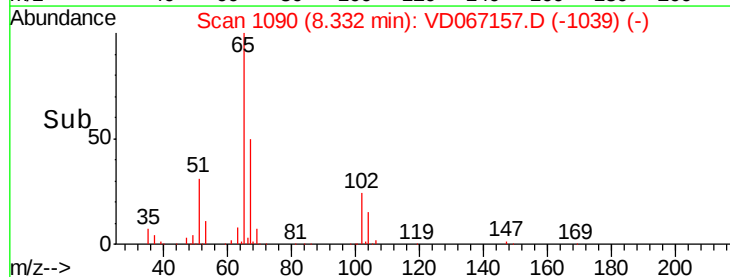
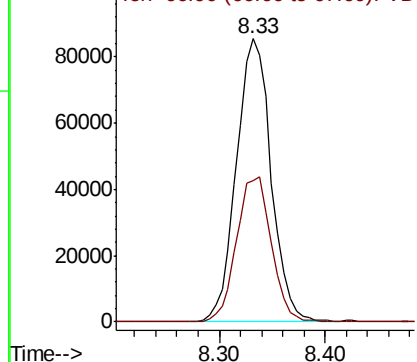
Ion Ratio Lower Upper

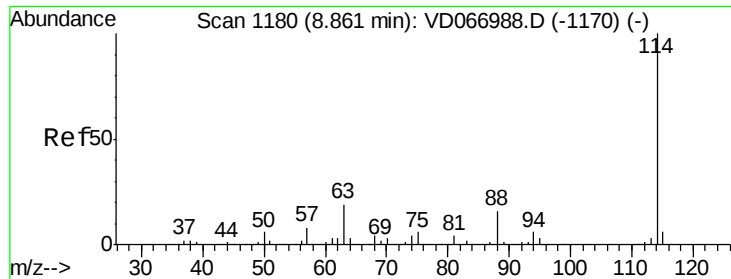
65 100

67 51.3 0.0 106.8



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

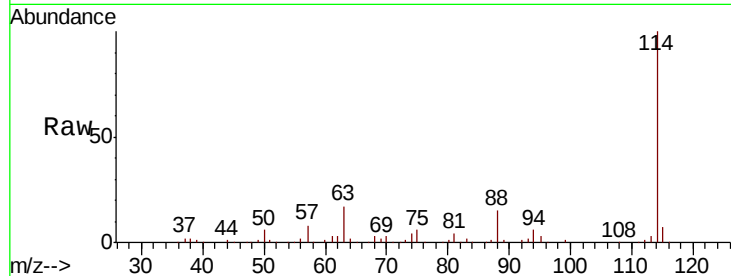




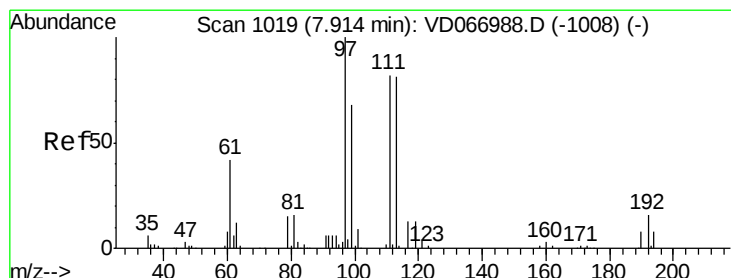
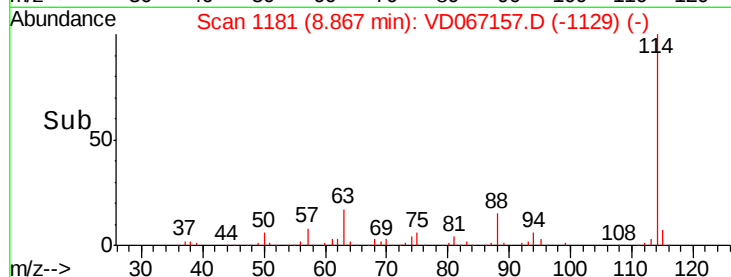
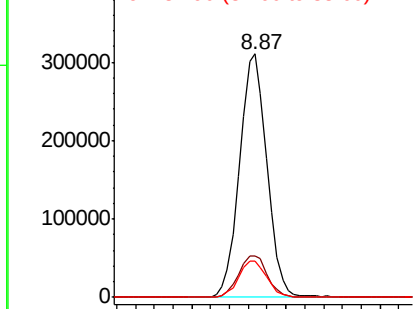
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD067157.D
Acq: 07 Oct 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
SB-10A

Tot Ion:114 Resp: 626162
Ion Ratio Lower Upper
114 100
63 17.2 0.0 38.4
88 14.7 0.0 31.2

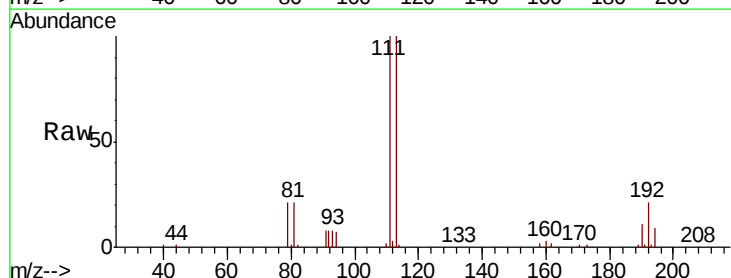


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

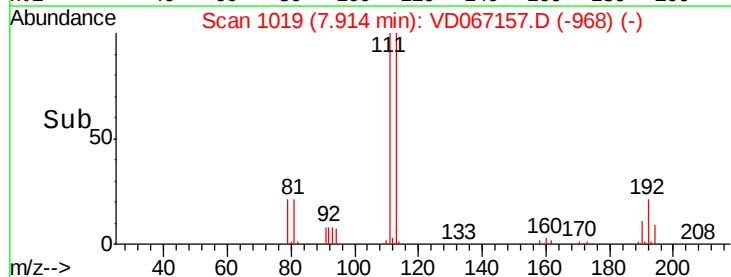
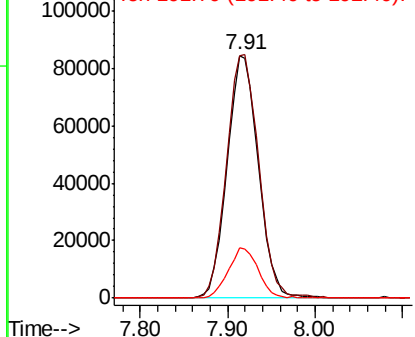


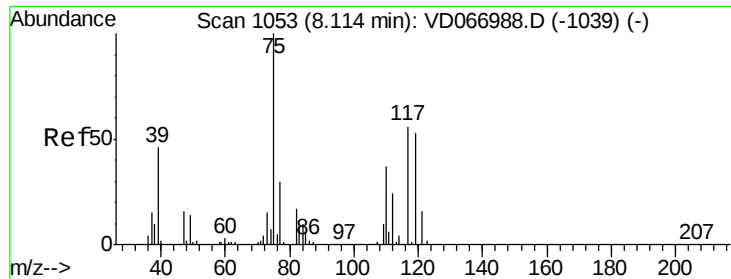
#35
Dibromofluoromethane
Concen: 49.995 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067157.D
Acq: 07 Oct 2020 17:24

Tgt Ion:113 Resp: 204946
Ion Ratio Lower Upper
113 100
111 103.1 83.0 124.4
192 19.8 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





#36

1,1-Dichloropropene

Concen: 5.017 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067157.D

Acq: 07 Oct 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

SB-10A

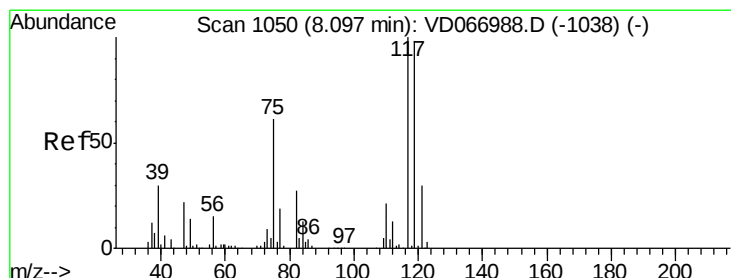
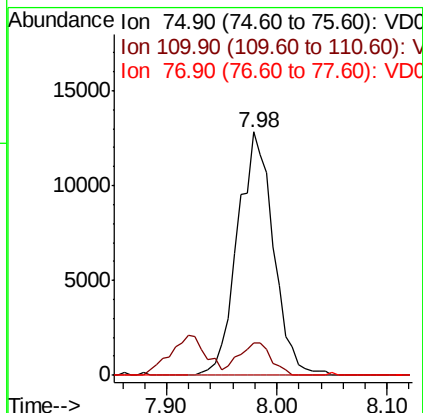
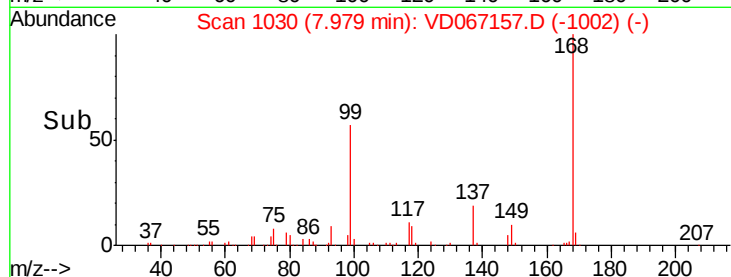
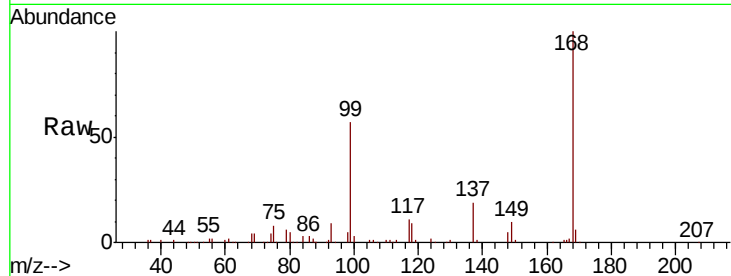
Tot Ion: 75 Resp: 29283

Ion Ratio Lower Upper

75 100

110 12.1 18.4 55.0#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.182 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067157.D

Acq: 07 Oct 2020 17:24

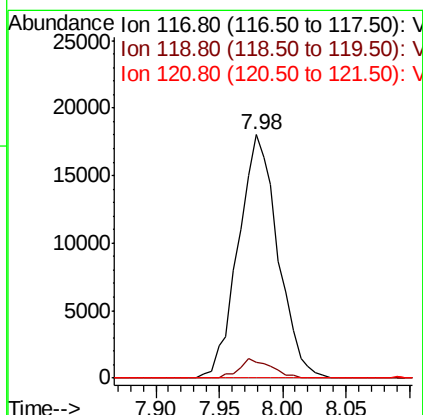
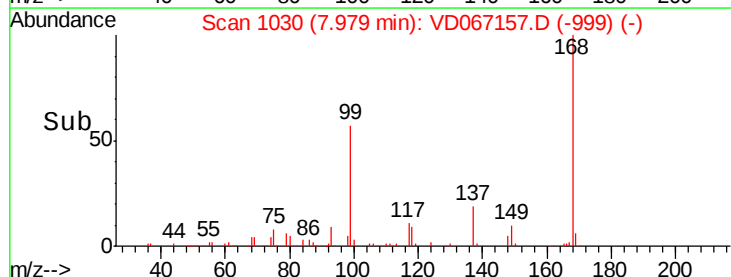
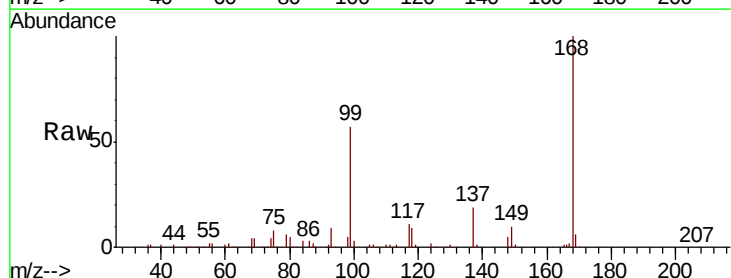
Tgt Ion: 117 Resp: 39038

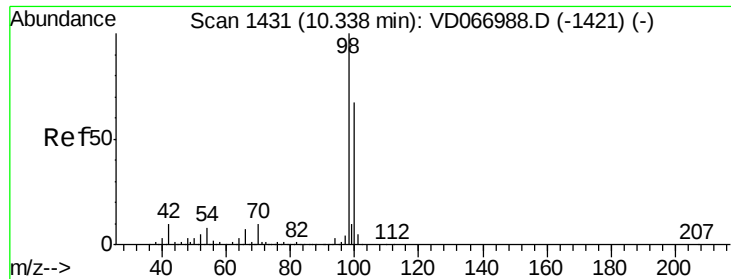
Ion Ratio Lower Upper

117 100

119 6.4 78.7 118.1#

121 0.0 24.2 36.2#

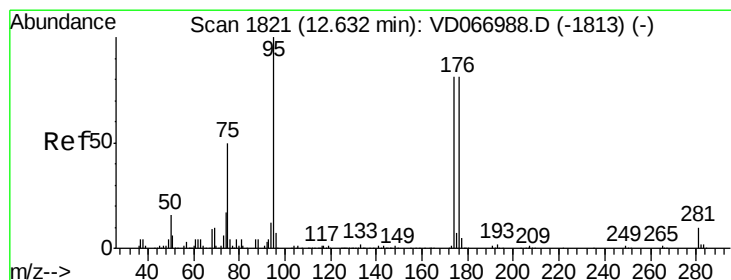
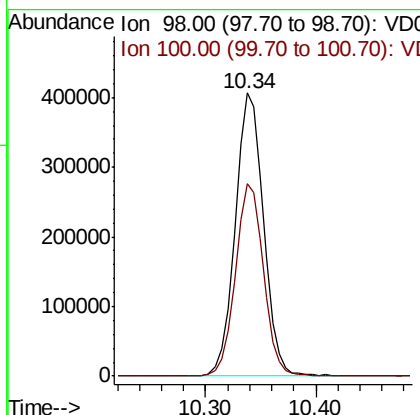
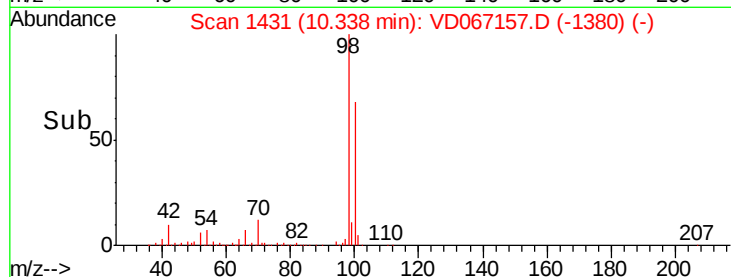
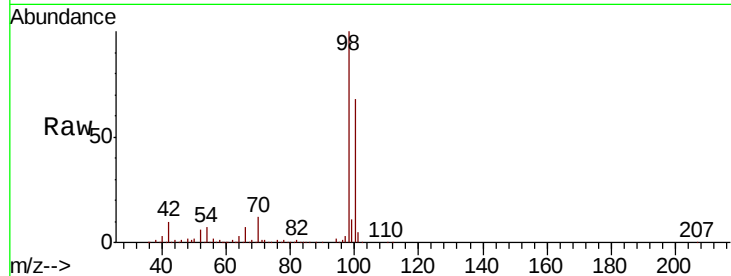




#50
Toluene-d8
Concen: 49.083 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067157.D
Acq: 07 Oct 2020 17:24

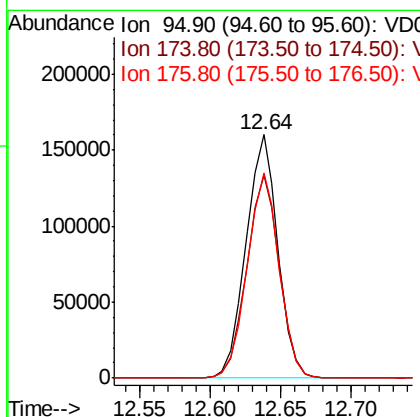
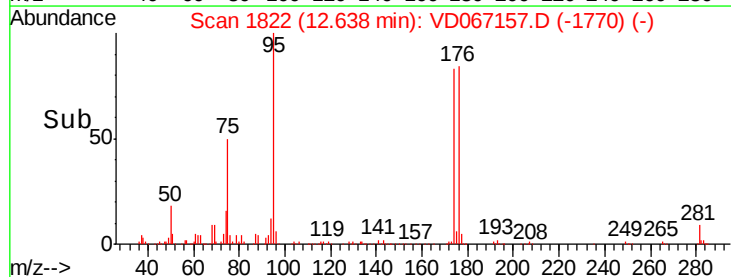
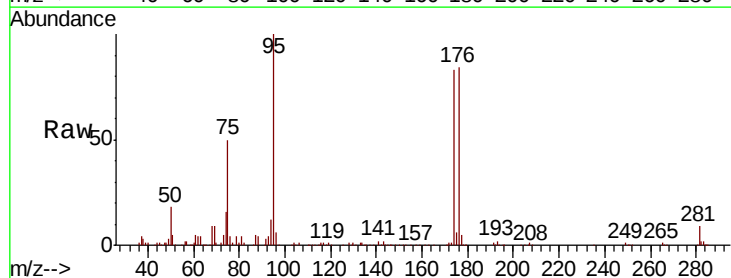
Instrument :
MSVOA_D
ClientSampleId :
SB-10A

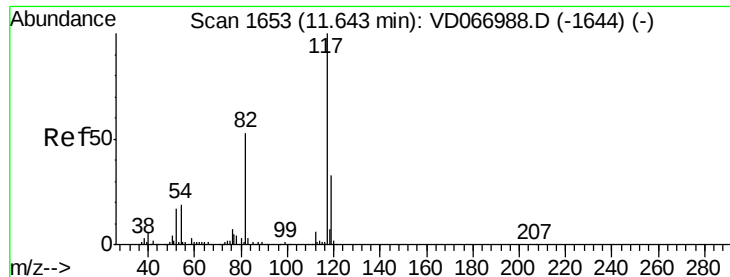
Tot Ion: 98 Resp: 733182
Ion Ratio Lower Upper
98 100
100 67.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 49.761 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067157.D
Acq: 07 Oct 2020 17:24

Tgt Ion: 95 Resp: 252334
Ion Ratio Lower Upper
95 100
174 85.4 0.0 167.6
176 84.8 0.0 162.4

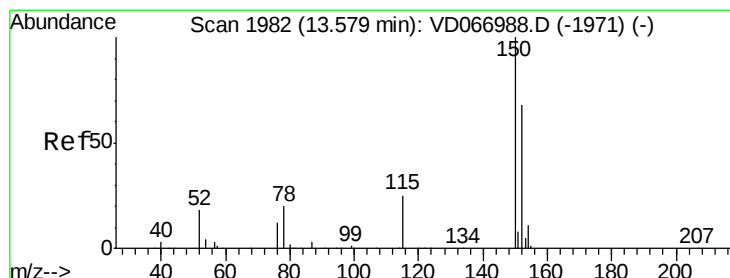
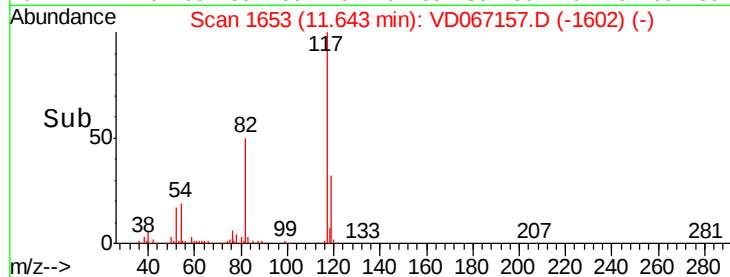
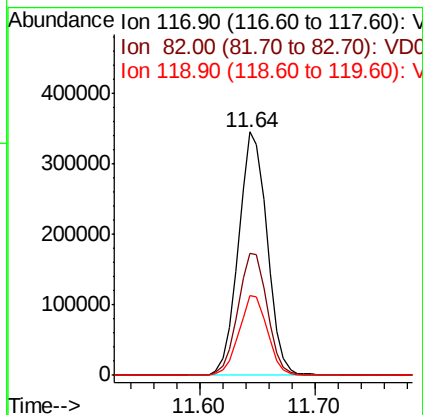
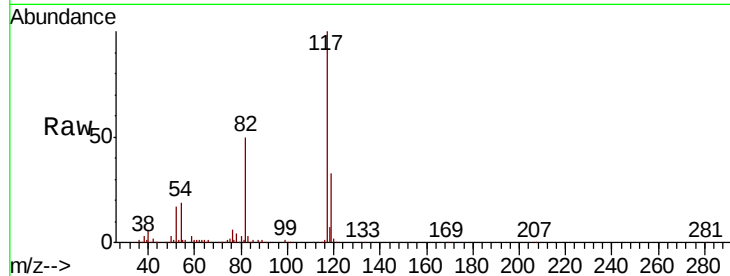




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067157.D
Acq: 07 Oct 2020 17:24

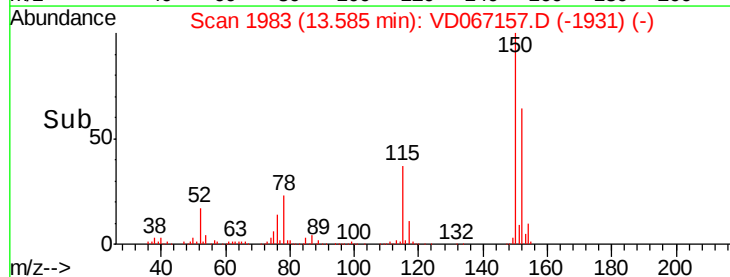
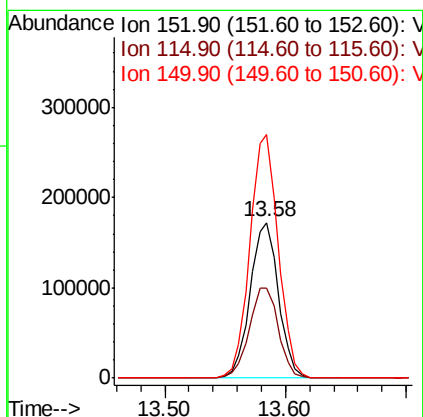
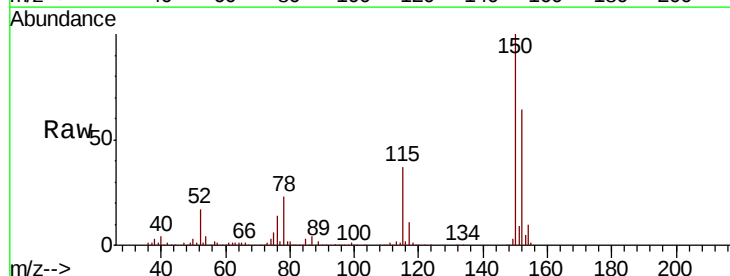
Instrument :
MSVOA_D
ClientSampleId :
SB-10A

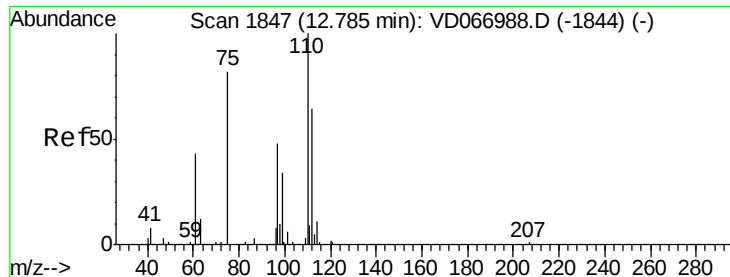
Tot Ion:117 Resp: 594680
Ion Ratio Lower Upper
117 100
82 50.3 42.6 63.8
119 32.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067157.D
Acq: 07 Oct 2020 17:24

Tgt Ion:152 Resp: 281435
Ion Ratio Lower Upper
152 100
115 60.0 29.6 88.8
150 157.4 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 52.397 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067157.D

Acq: 07 Oct 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

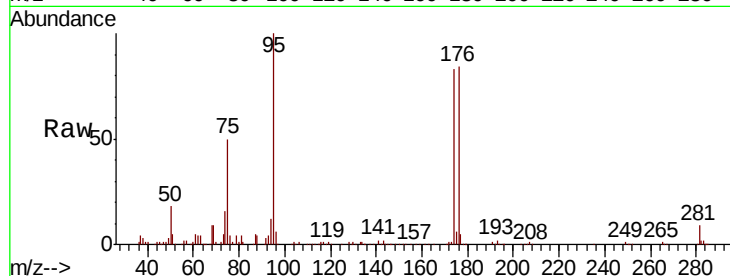
SB-10A

Tot Ion: 75 Resp: 128446

Ion Ratio Lower Upper

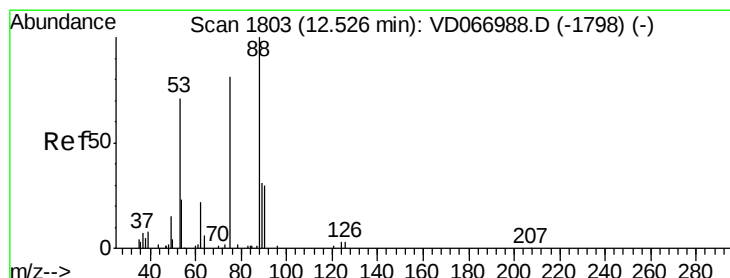
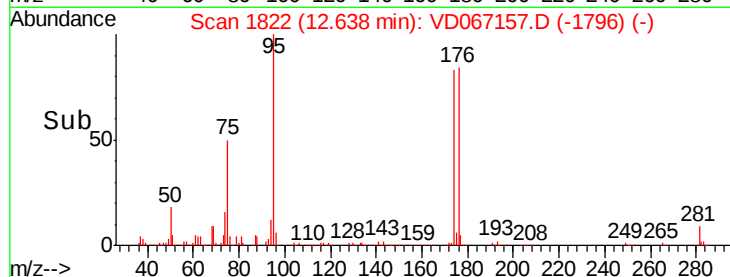
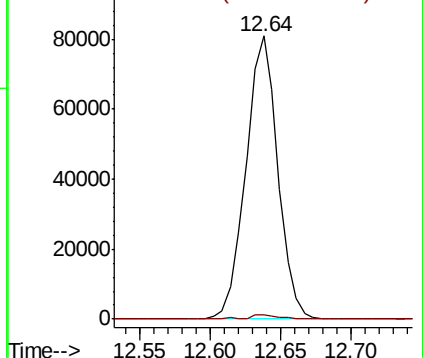
75 100

77 1.3 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: 130.633 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067157.D

Acq: 07 Oct 2020 17:24

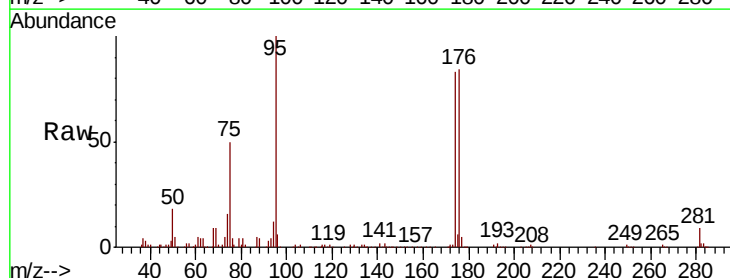
Tgt Ion: 75 Resp: 128446

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.1 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

