

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067152.D
 Acq On : 07 Oct 2020 15:06
 Operator : VA/SY
 Sample : L4273-15
 Misc : 5.71G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-8

Quant Time: Oct 08 07:23:44 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	407014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	650494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	602428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	277929	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193042	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
35) Dibromofluoromethane	7.92	113	209646	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
50) Toluene-d8	10.34	98	760761	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
62) 4-Bromofluorobenzene	12.64	95	247909	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	

Target Compounds

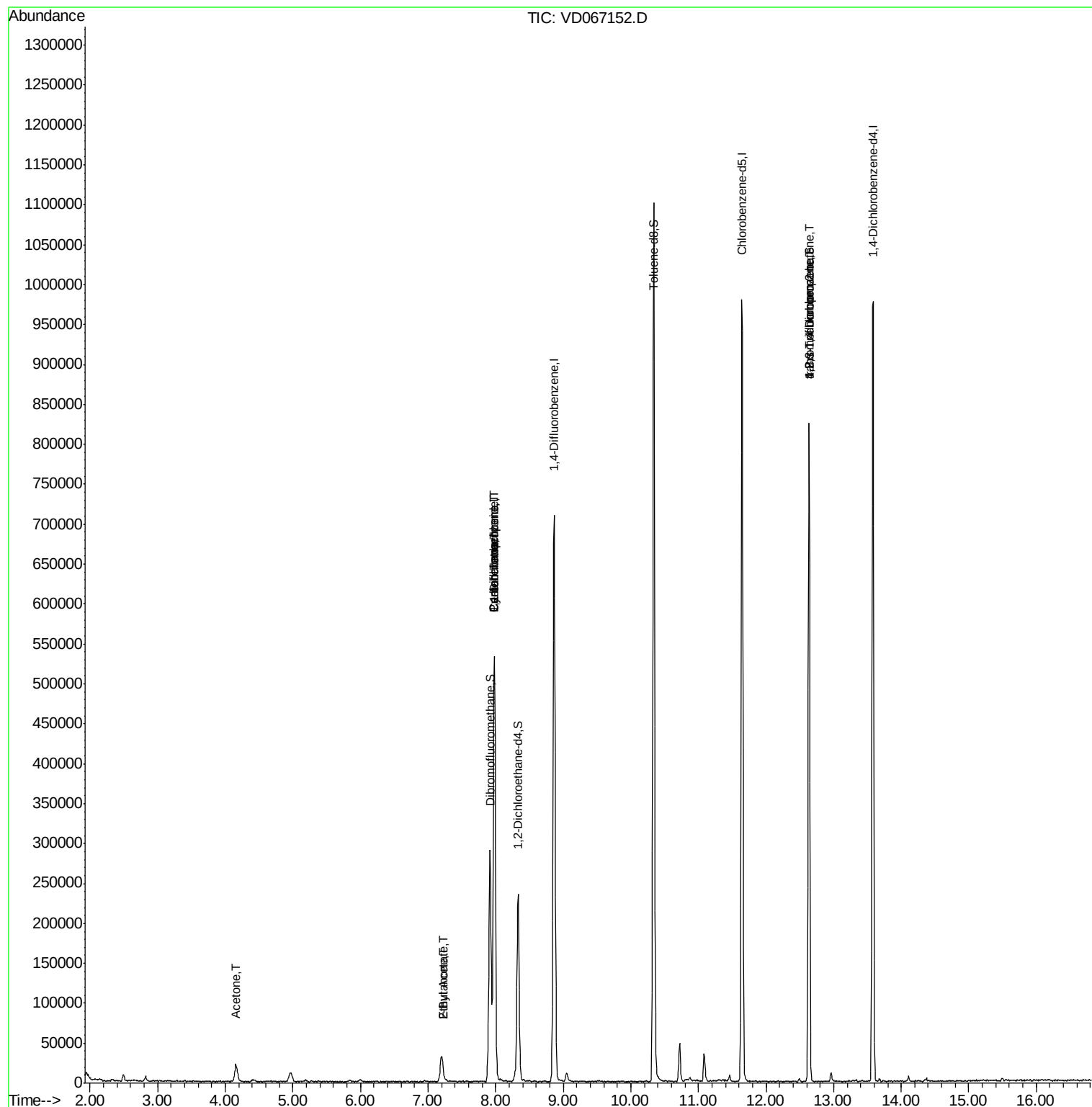
						Qvalue
2) Dichlorodifluoromethane	2.00	85	437	Below Cal	#	40
5) Bromomethane	2.77	94	182	Below Cal	#	66
11) Tert butyl alcohol	5.19	59	1862	Below Cal	#	72
16) Acetone	4.16	43	39866	66.616	ug/l	96
20) Methylene Chloride	4.97	84	10242	Below Cal	#	84
25) 2-Butanone	7.23	43	8773	10.340	ug/l	90
26) 2,2-Dichloropropane	7.19	77	1259	Below Cal	#	53
31) Cyclohexane	7.98	56	7659	1.301	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	29417	4.852	ug/l #	52
37) Ethyl Acetate	7.23	43	8773	4.177	ug/l #	67
38) Carbon Tetrachloride	7.98	117	41766	6.366	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	126666	52.323	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	126666	130.448	ug/l #	12

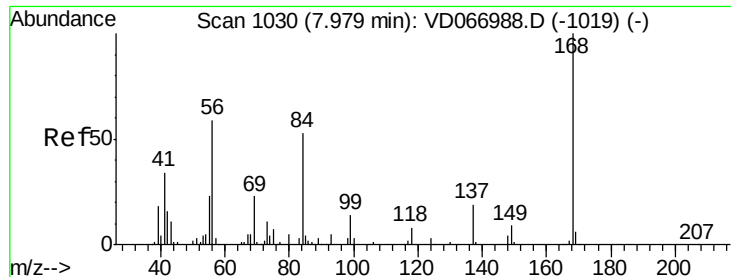
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067152.D

Acq: 07 Oct 2020 15:06

Instrument :

MSVOA_D

ClientSampled :

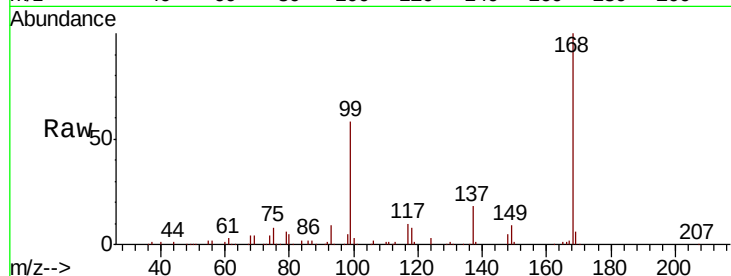
SB-8

Tot Ion:168 Resp: 407014

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

7.98

200000

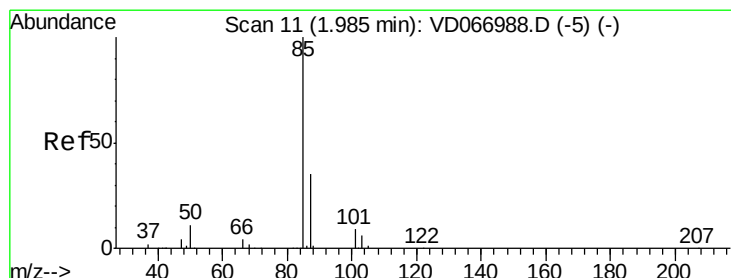
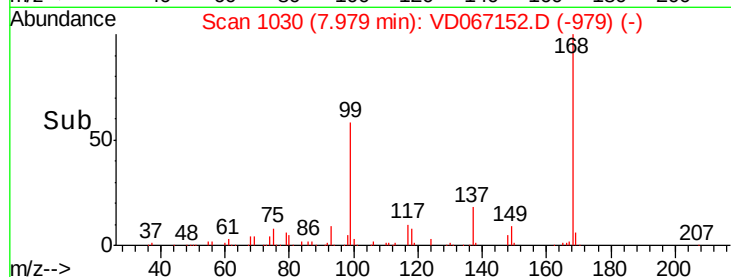
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067152.D

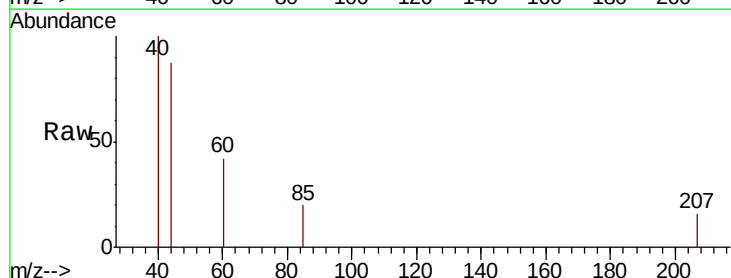
Acq: 07 Oct 2020 15:06

Tgt Ion: 85 Resp: 437

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

500

400

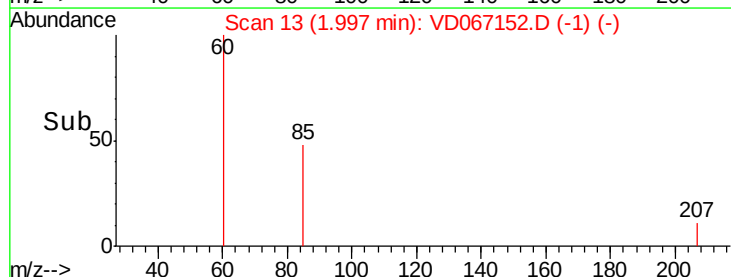
300

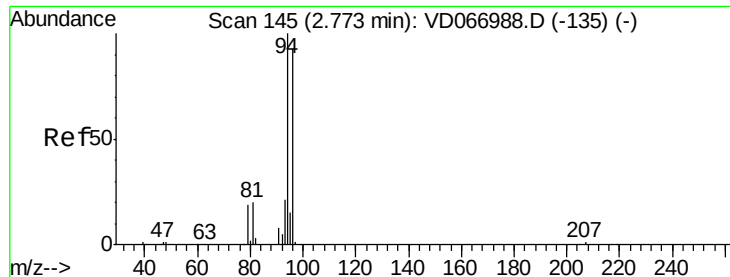
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067152.D

Acq: 07 Oct 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

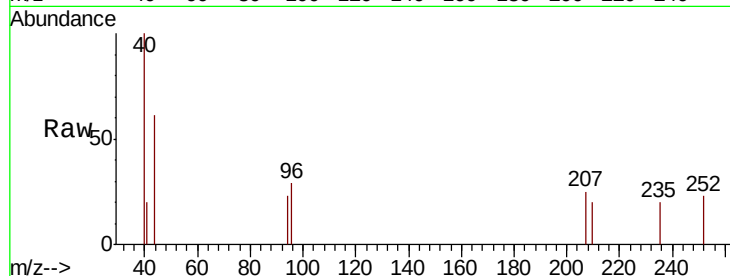
SB-8

Tot Ion: 94 Resp: 182

Ion Ratio Lower Upper

94 100

96 125.7 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

500

400

300

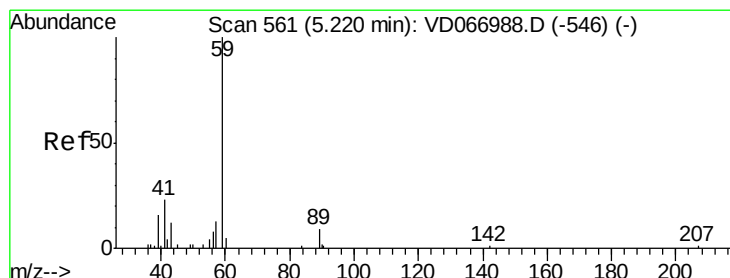
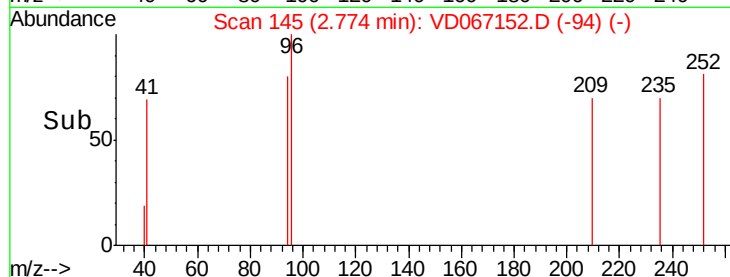
200

100

0

2.74 2.76 2.78 2.80

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD067152.D

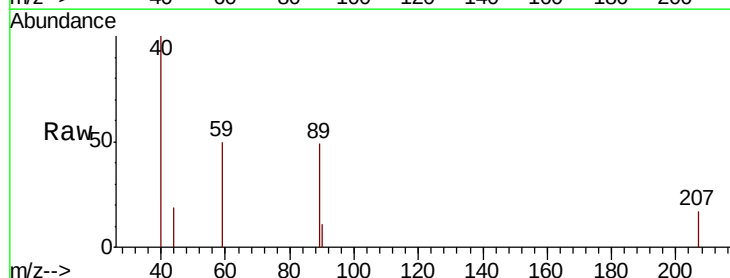
Acq: 07 Oct 2020 15:06

Tgt Ion: 59 Resp: 1862

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

1000

800

600

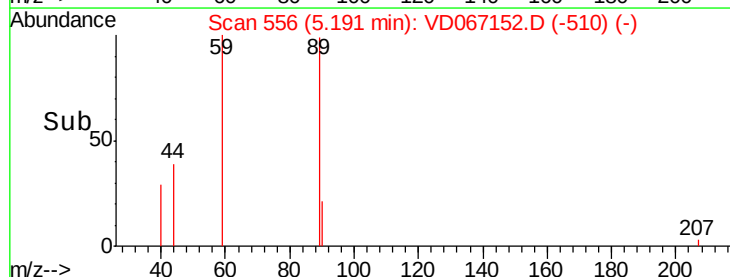
400

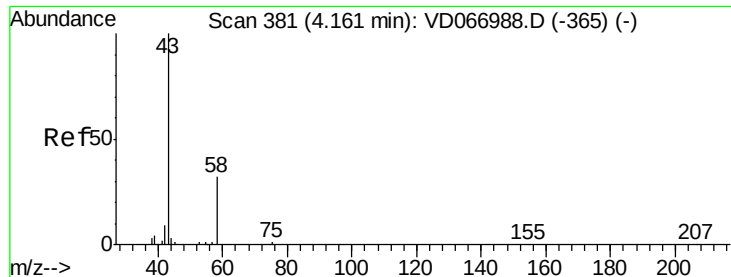
200

0

5.10 5.15 5.20 5.25

Time-->





#16

Acetone

Concen: 66.616 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067152.D

Acq: 07 Oct 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

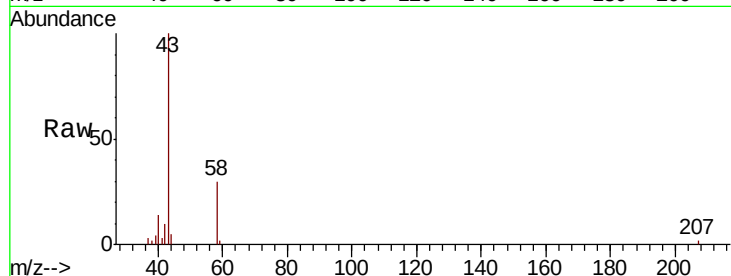
SB-8

Tot Ion: 43 Resp: 39866

Ion Ratio Lower Upper

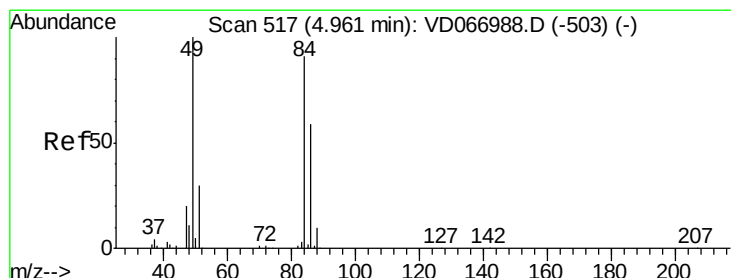
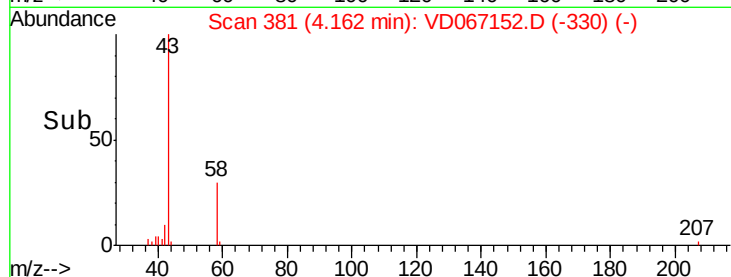
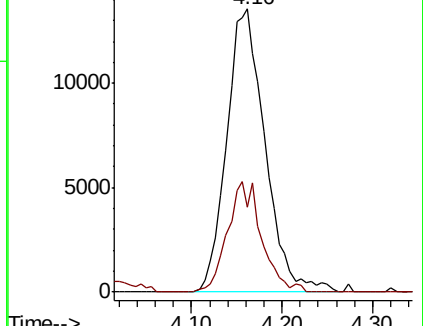
43 100

58 30.1 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: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067152.D

Acq: 07 Oct 2020 15:06

Tgt Ion: 84 Resp: 10242

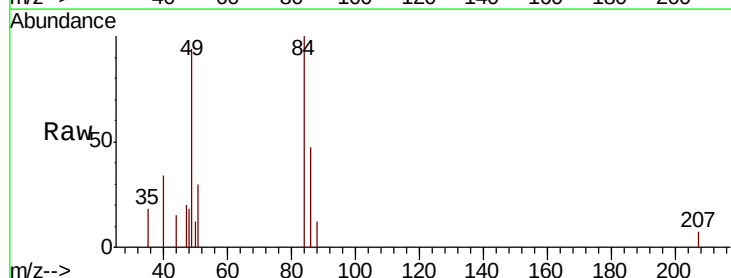
Ion Ratio Lower Upper

84 100

49 93.9 88.2 132.2

51 30.5 26.6 39.8

86 46.6 52.1 78.1#

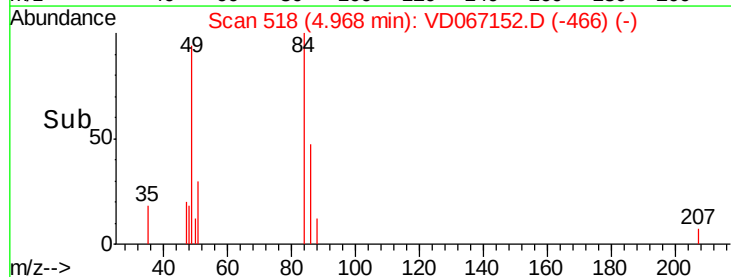
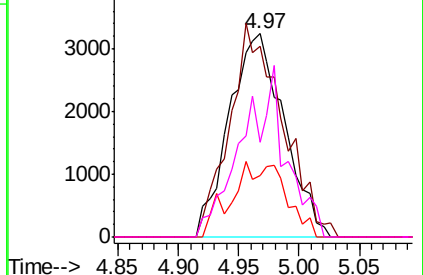


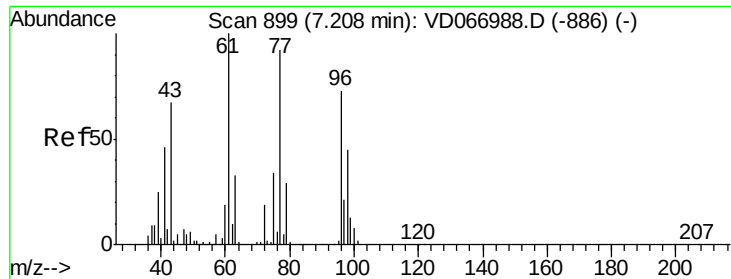
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

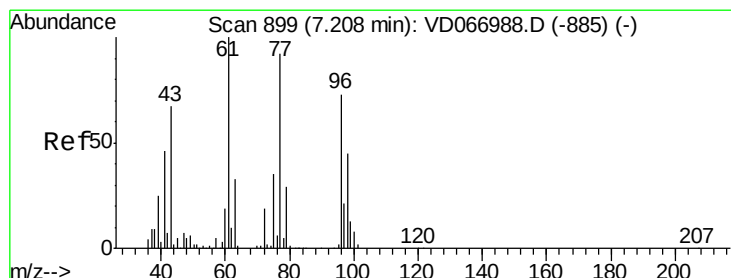
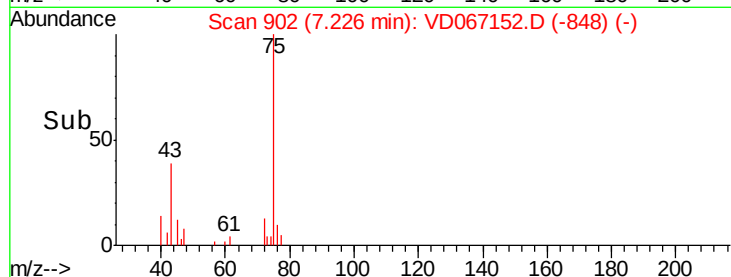
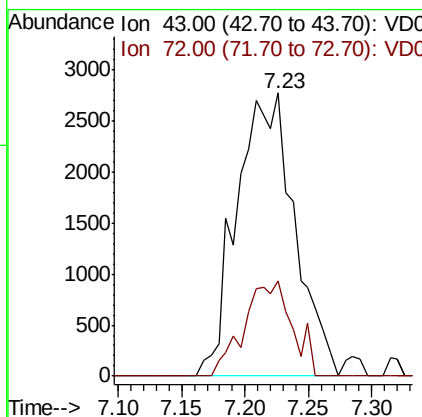
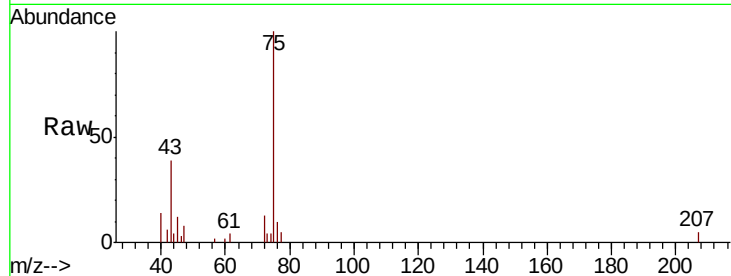




#25
2-Butanone
Concen: 10.340 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.02 min
Lab File: VD067152.D
Acq: 07 Oct 2020 15:06

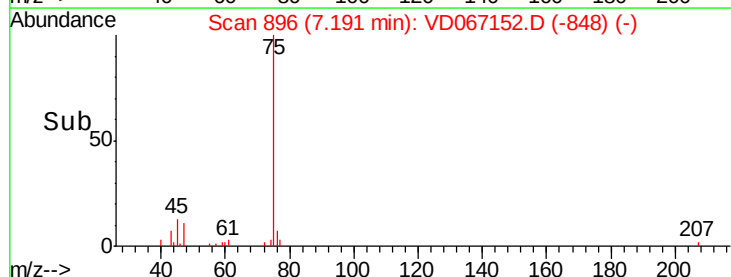
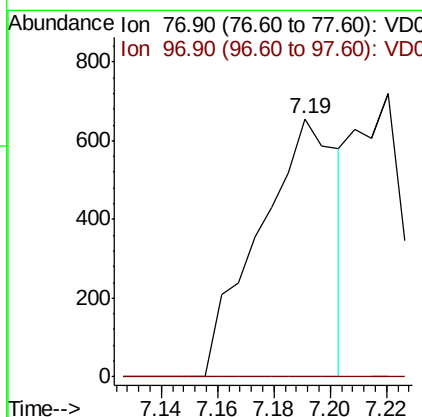
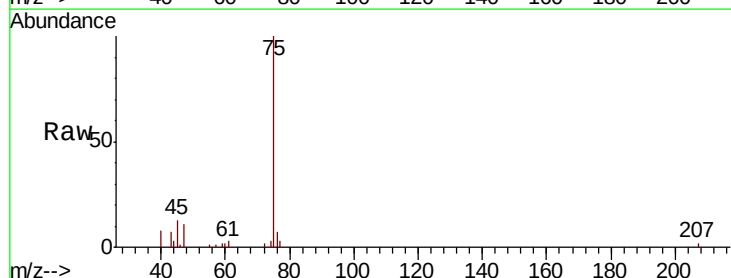
Instrument :
MSVOA_D
ClientSampled :
SB-8

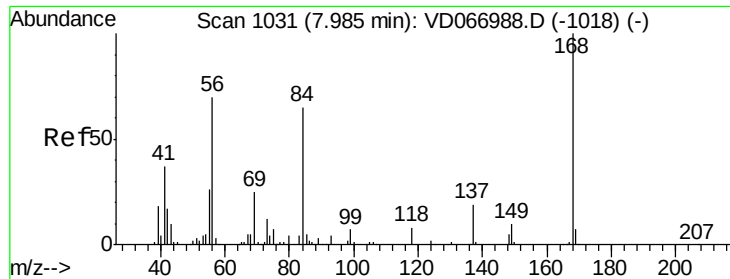
Tot Ion: 43 Resp: 8773
Ion Ratio Lower Upper
43 100
72 33.6 22.8 34.2



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD067152.D
Acq: 07 Oct 2020 15:06

Tgt Ion: 77 Resp: 1259
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#

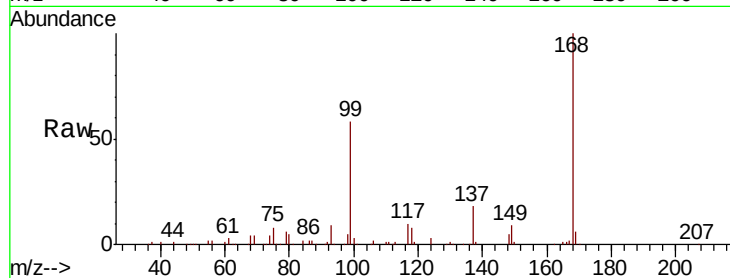




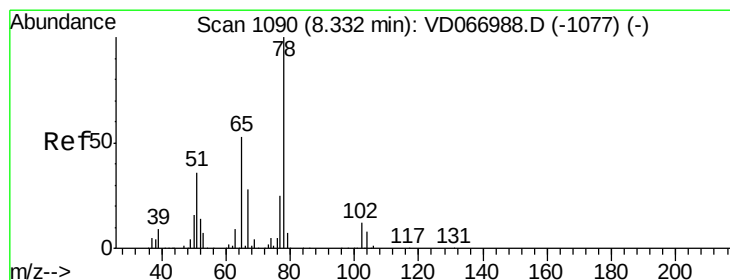
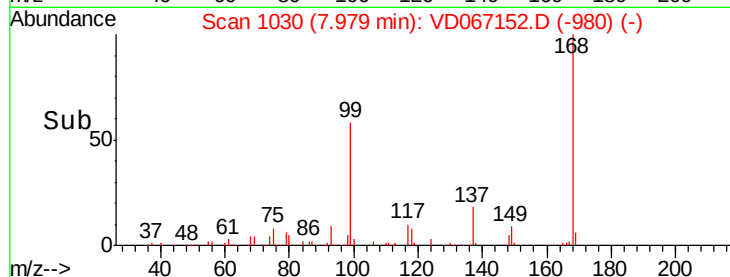
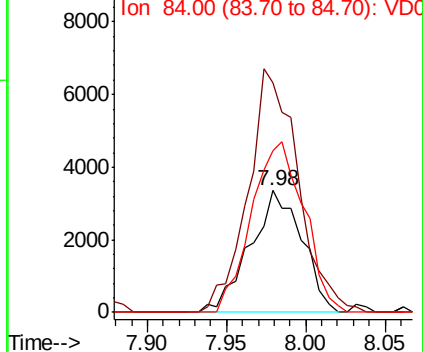
#31
Cyclohexane
Concen: 1.301 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067152.D
Acq: 07 Oct 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
SB-8

Tot Ion: 56 Resp: 7659
Ion Ratio Lower Upper
56 100
69 189.6 29.0 43.6#
84 133.4 74.2 111.2#

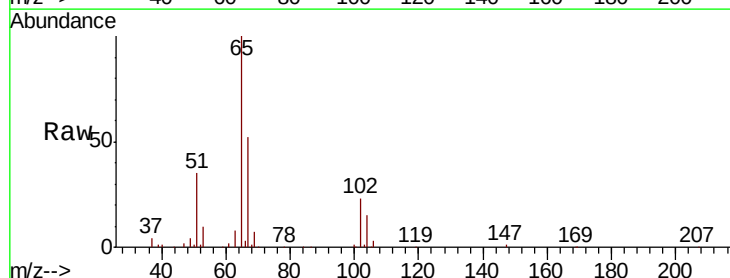


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

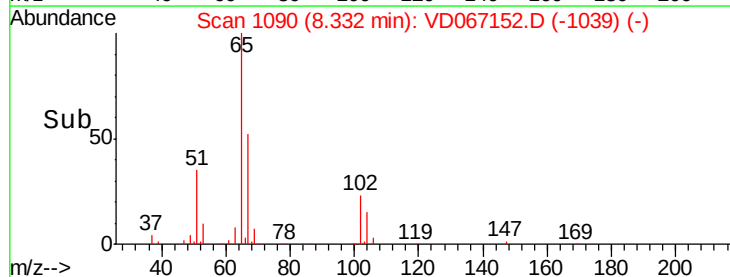
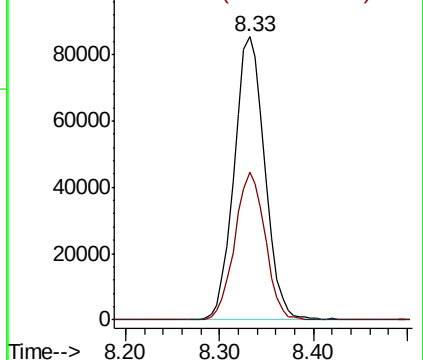


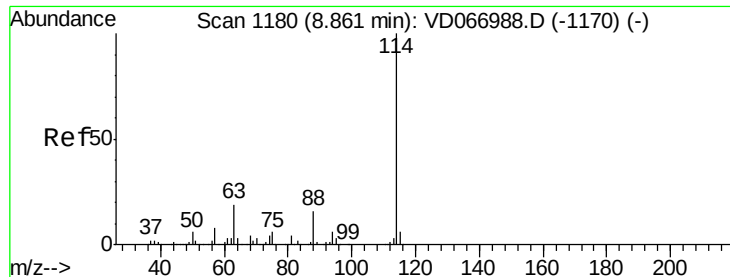
#33
1,2-Dichloroethane-d4
Concen: 49.241 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067152.D
Acq: 07 Oct 2020 15:06

Tgt Ion: 65 Resp: 193042
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.8



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

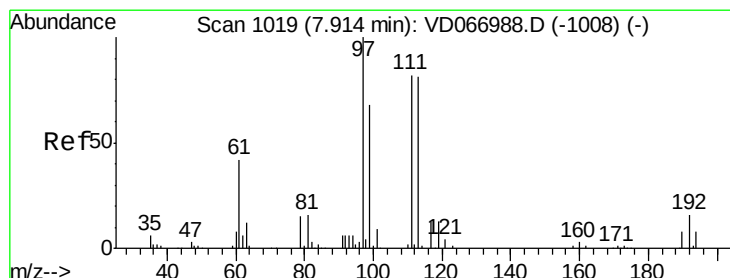
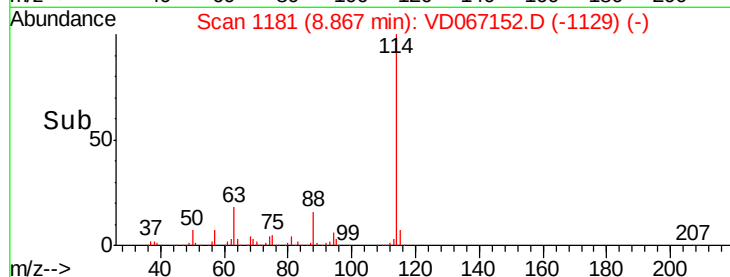
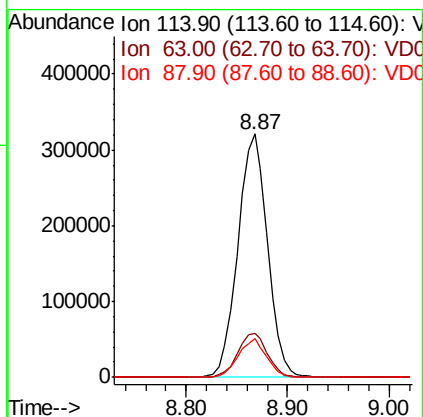
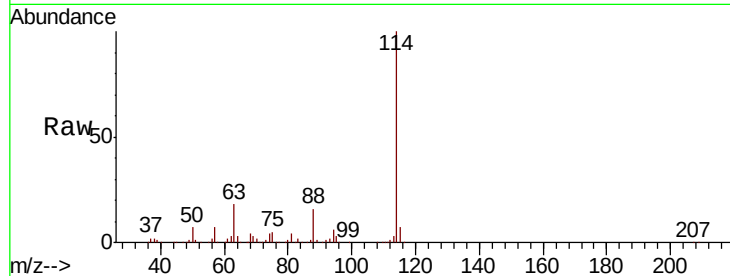




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067152.D
 Acq: 07 Oct 2020 15:06

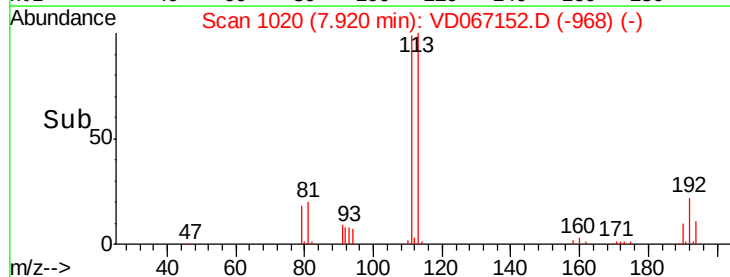
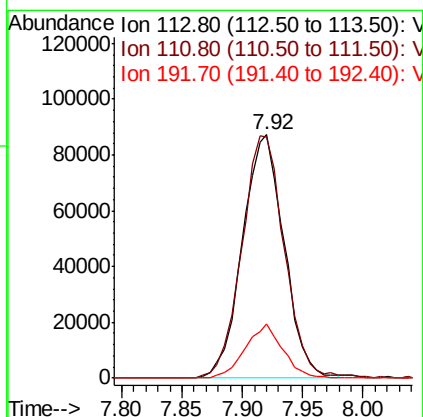
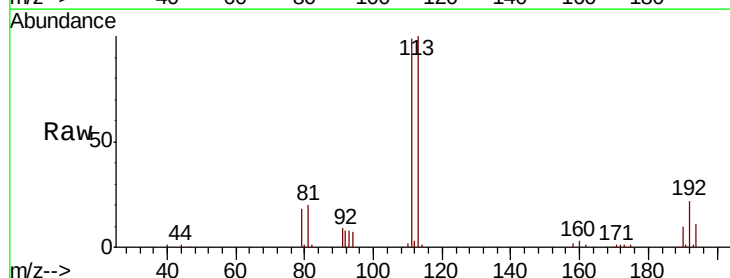
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-8

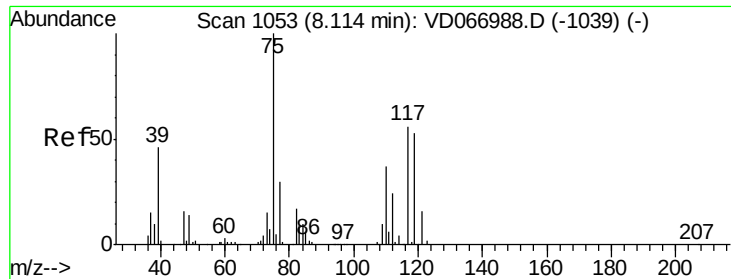
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	38.4
88	15.8	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 49.228 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067152.D
 Acq: 07 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.4
192	20.1	15.5	23.3





#36

1,1-Dichloropropene

Concen: 4.852 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067152.D

Acq: 07 Oct 2020 15:06

Instrument :

MSVOA_D

ClientSampled :

SB-8

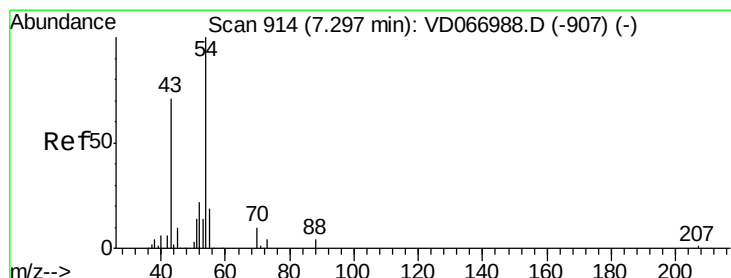
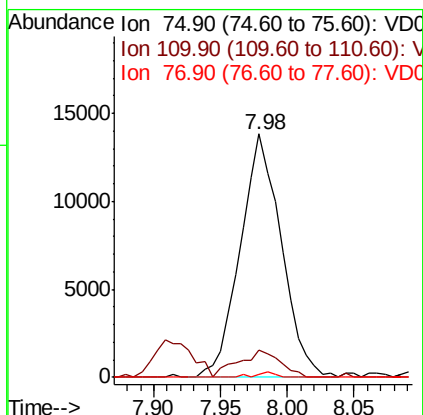
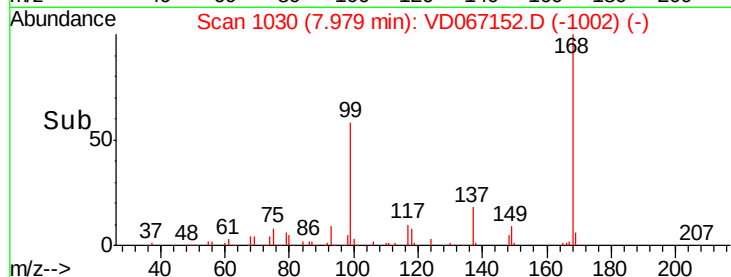
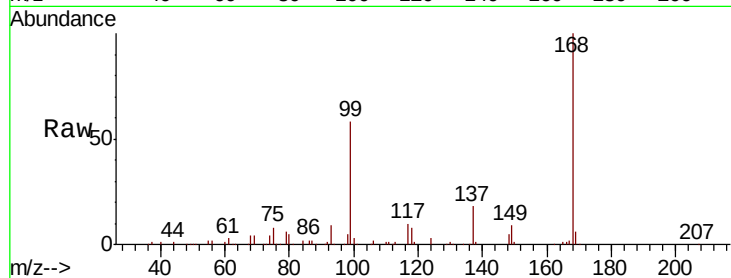
Tot Ion: 75 Resp: 29417

Ion Ratio Lower Upper

75 100

110 11.5 18.4 55.0#

77 1.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 4.177 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.07 min

Lab File: VD067152.D

Acq: 07 Oct 2020 15:06

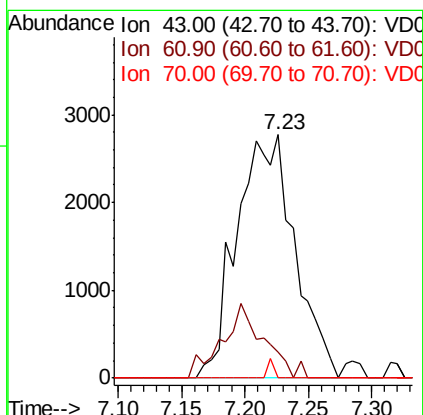
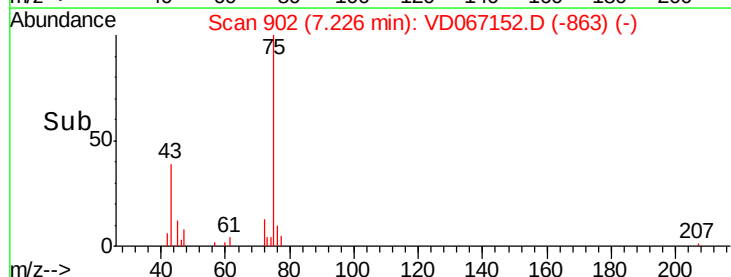
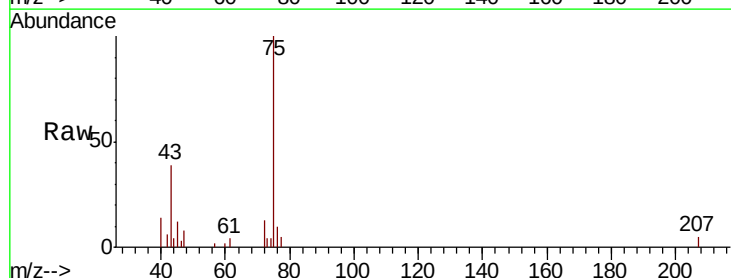
Tgt Ion: 43 Resp: 8773

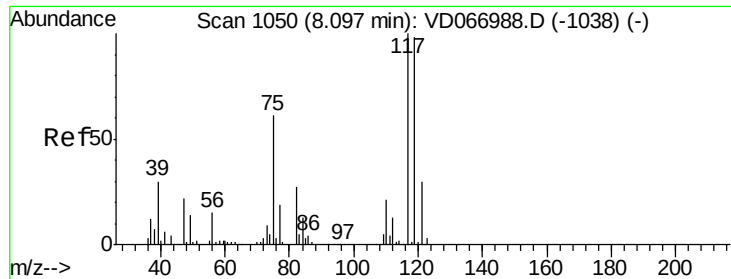
Ion Ratio Lower Upper

43 100

61 0.0 12.5 18.7#

70 0.9 9.4 14.0#





#38

Carbon Tetrachloride

Concen: 6.366 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067152.D

Acq: 07 Oct 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

SB-8

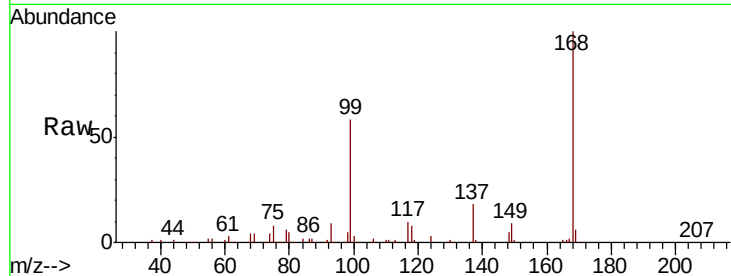
Tot Ion:117 Resp: 41766

Ion Ratio Lower Upper

117 100

119 7.2 78.7 118.1#

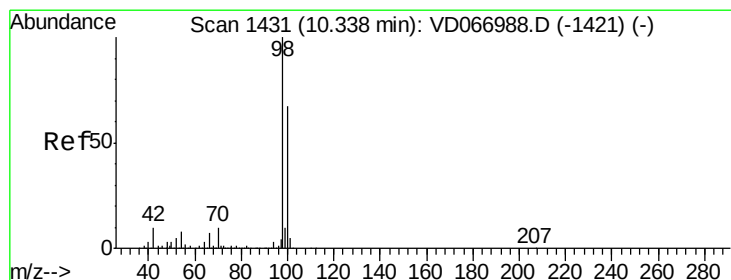
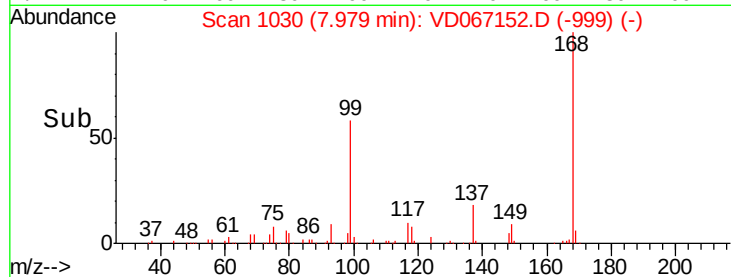
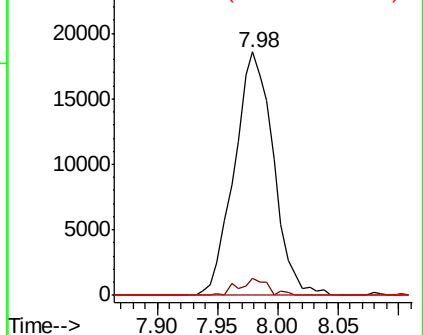
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 49.024 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067152.D

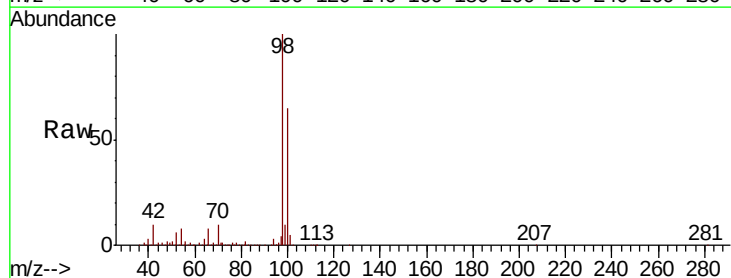
Acq: 07 Oct 2020 15:06

Tgt Ion: 98 Resp: 760761

Ion Ratio Lower Upper

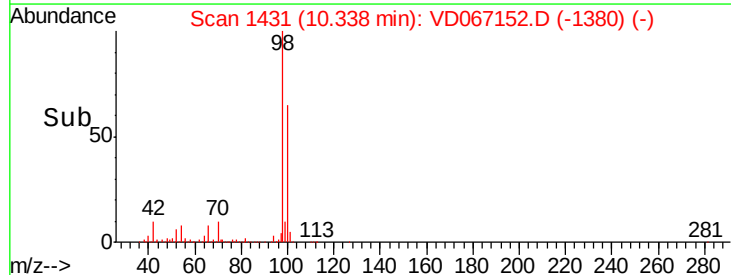
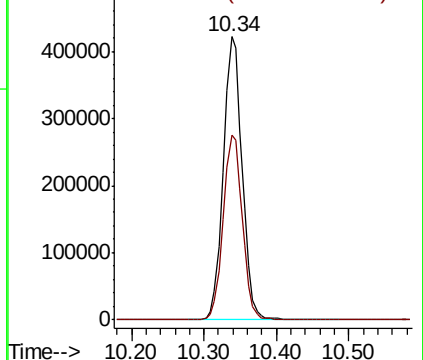
98 100

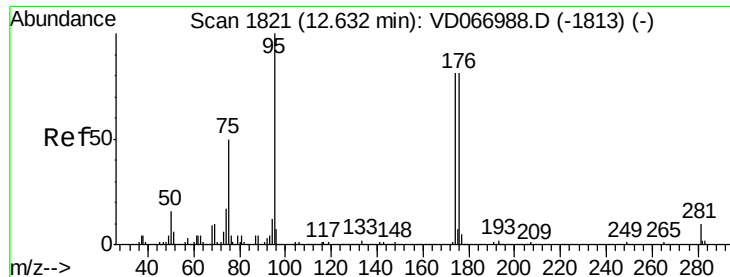
100 66.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

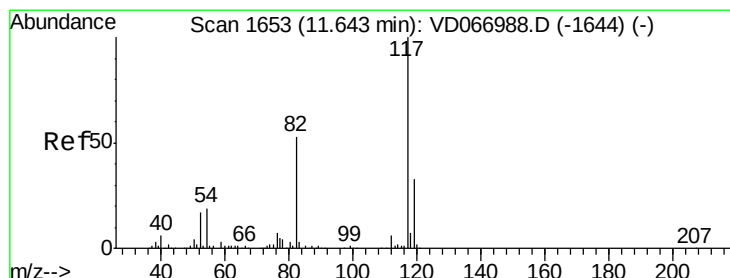
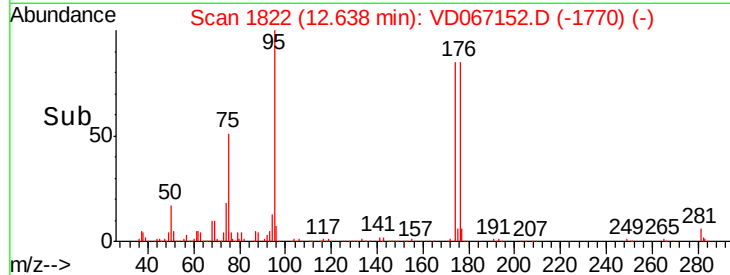
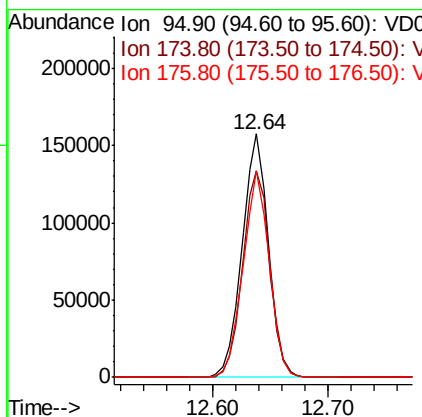
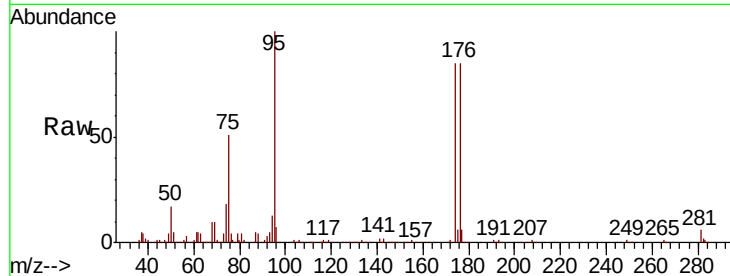




#62
4-Bromofluorobenzene
Concen: 47.059 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067152.D
Acq: 07 Oct 2020 15:06

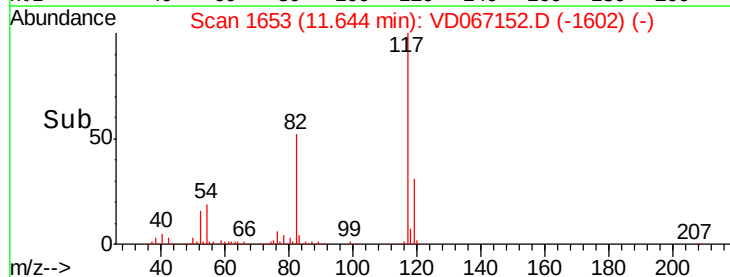
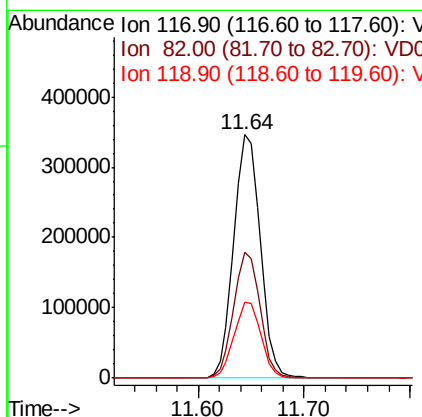
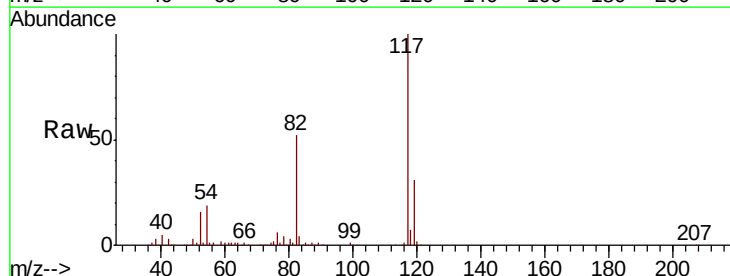
Instrument :
MSVOA_D
ClientSampleId :
SB-8

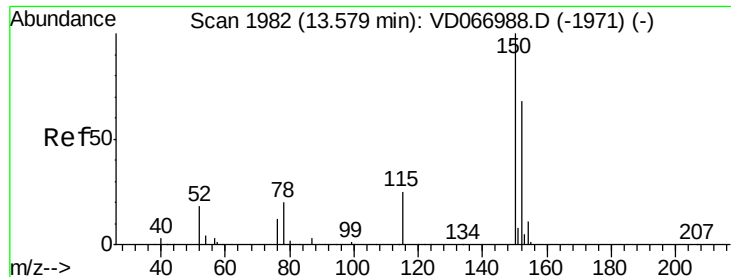
Tot Ion	95	Resp	247909
Ion Ratio	100		
Lower		0.0	167.6
Upper		0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067152.D
Acq: 07 Oct 2020 15:06

Tgt Ion	117	Resp	602428
Ion Ratio	100		
Lower		42.6	63.8
Upper		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: VD067152.D

Acq: 07 Oct 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

SB-8

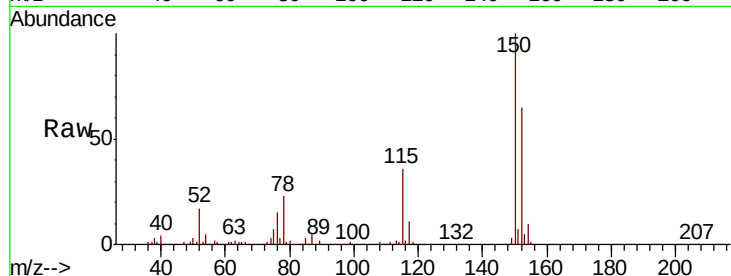
Tot Ion:152 Resp: 277929

Ion Ratio Lower Upper

152 100

115 57.9 29.6 88.8

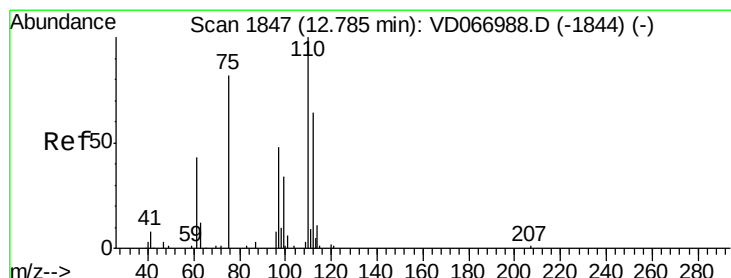
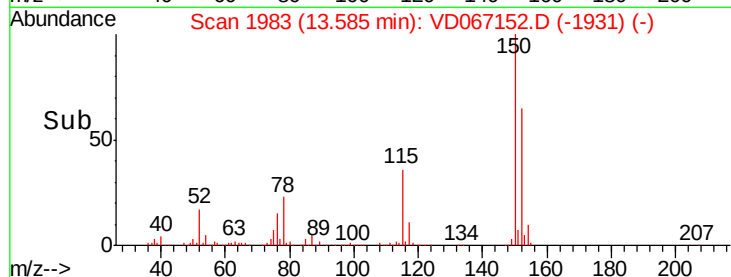
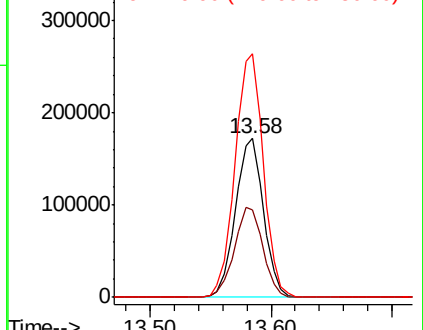
150 155.3 0.0 344.8



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: 52.323 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067152.D

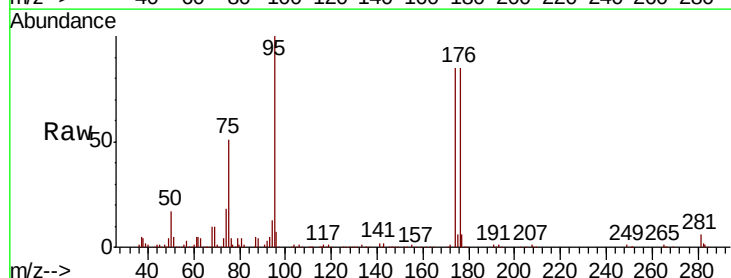
Acq: 07 Oct 2020 15:06

Tgt Ion: 75 Resp: 126666

Ion Ratio Lower Upper

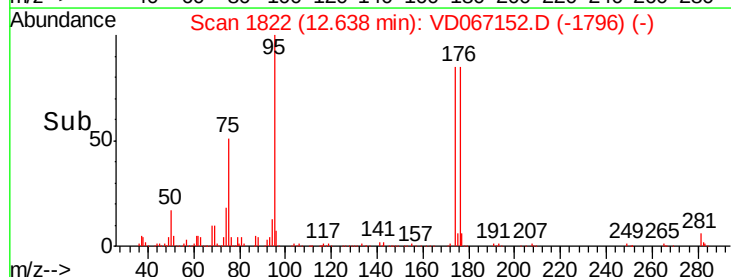
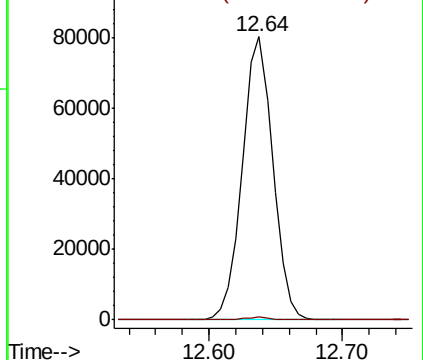
75 100

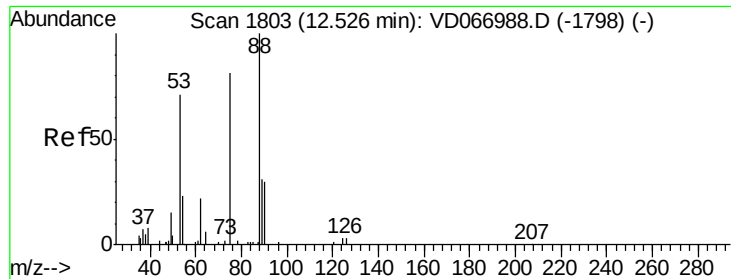
77 1.0 0.0 0.0#



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: 130.448 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067152.D

Acq: 07 Oct 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

SB-8

Tot Ion: 75 Resp: 126666

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.0 38.9 58.3#

