

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067151.D
 Acq On : 07 Oct 2020 14:38
 Operator : VA/SY
 Sample : L4273-14
 Misc : 5.35G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7A

Quant Time: Oct 08 07:23:32 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	7.99	168	376396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	622913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	590712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	276494	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	196762	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
35) Dibromofluoromethane	7.92	113	204226	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	10.34	98	734538	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.64	95	255040	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	

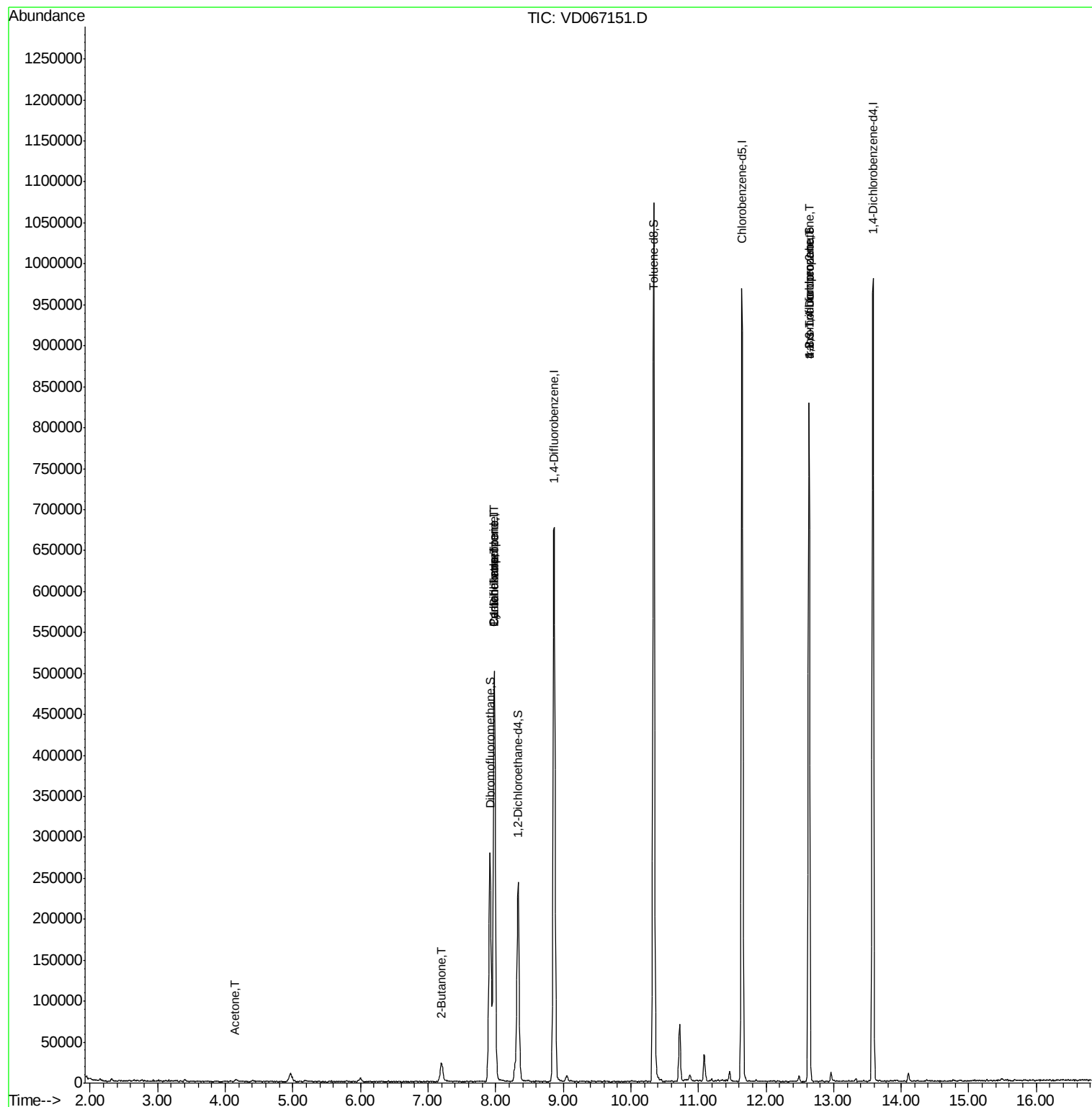
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	881	Below Cal		98
5) Bromomethane	2.79	94	134	Below Cal	#	3
11) Tert butyl alcohol	5.21	59	346	Below Cal	#	72
16) Acetone	4.15	43	4764	8.608	ug/l #	87
20) Methylene Chloride	4.97	84	8875	Below Cal	#	87
25) 2-Butanone	7.20	43	1344	1.713	ug/l #	46
26) 2,2-Dichloropropane	7.20	77	1859	Below Cal	#	53
31) Cyclohexane	7.98	56	7059	1.297	ug/l #	3
36) 1,1-Dichloropropene	7.98	75	27991	4.821	ug/l #	50
38) Carbon Tetrachloride	7.98	117	40047	6.375	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	126285	52.436	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	126285	130.730	ug/l #	12

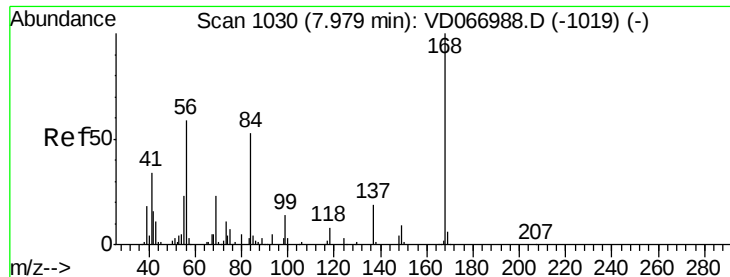
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD067151.D

Acq: 07 Oct 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

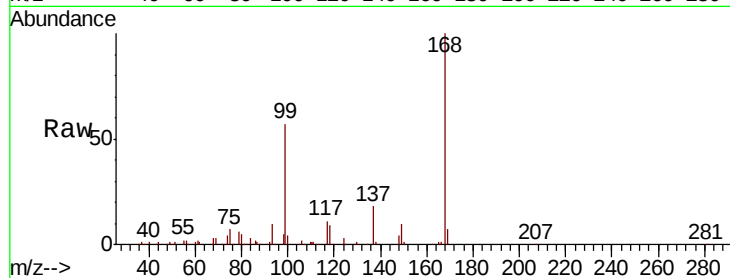
SB-7A

Tot Ion:168 Resp: 376396

Ion Ratio Lower Upper

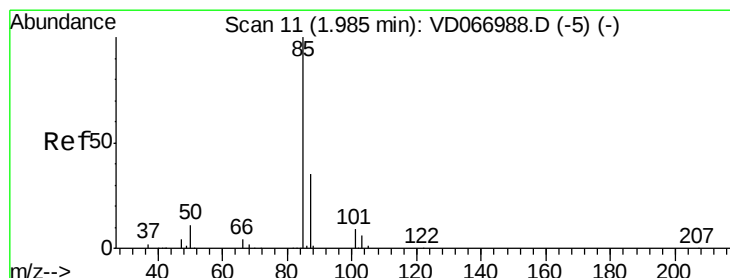
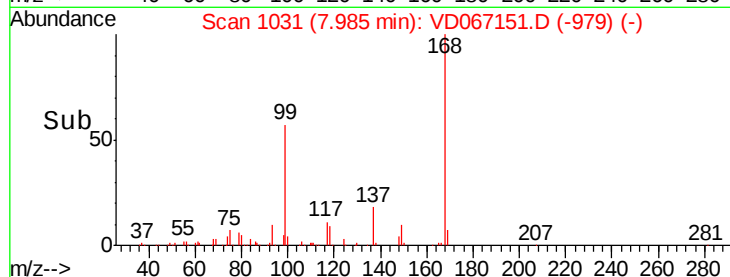
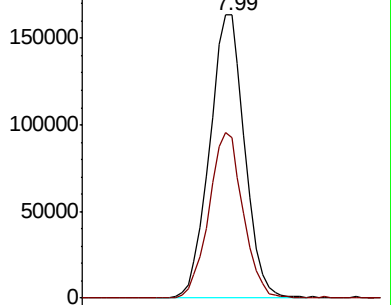
168 100

99 56.6 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# 12

Delta R.T. 0.01 min

Lab File: VD067151.D

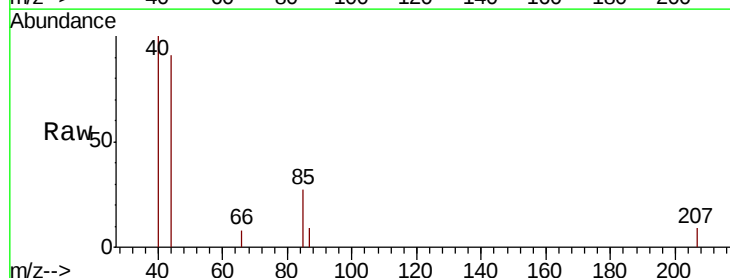
Acq: 07 Oct 2020 14:38

Tgt Ion: 85 Resp: 881

Ion Ratio Lower Upper

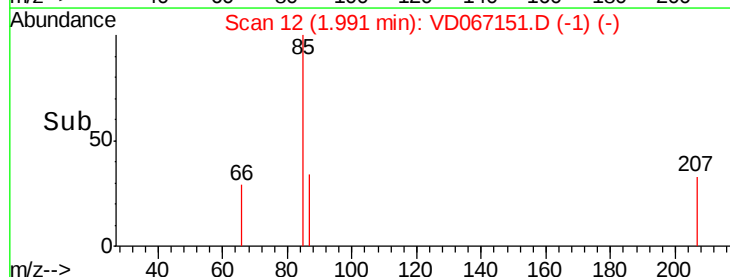
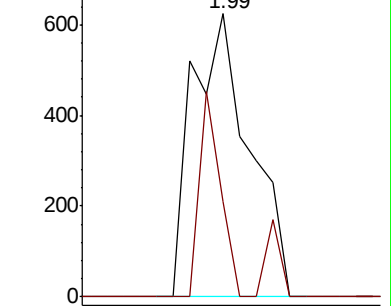
85 100

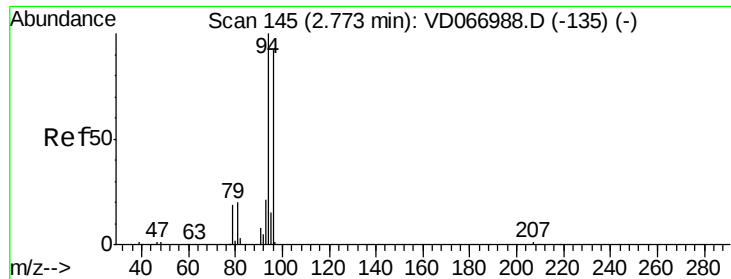
87 33.7 17.3 52.0



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: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067151.D

Acq: 07 Oct 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

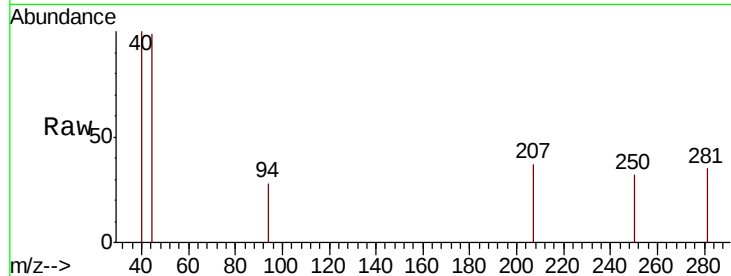
SB-7A

Tot Ion: 94 Resp: 134

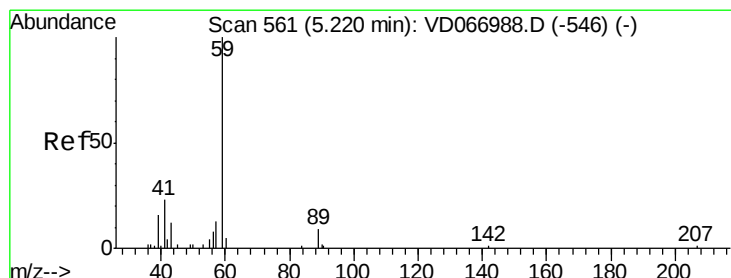
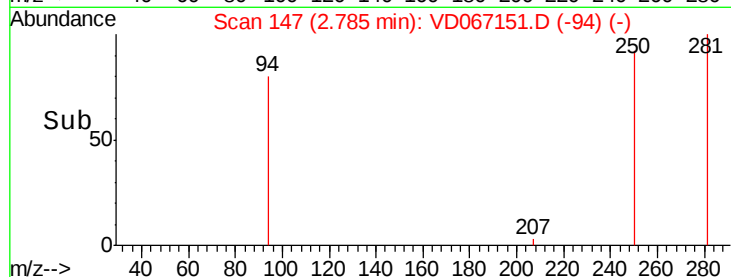
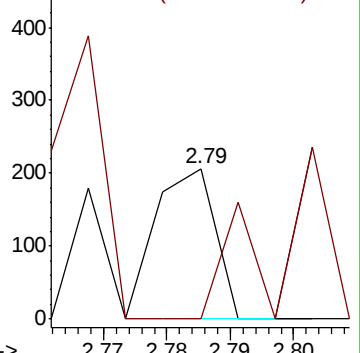
Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD067151.D

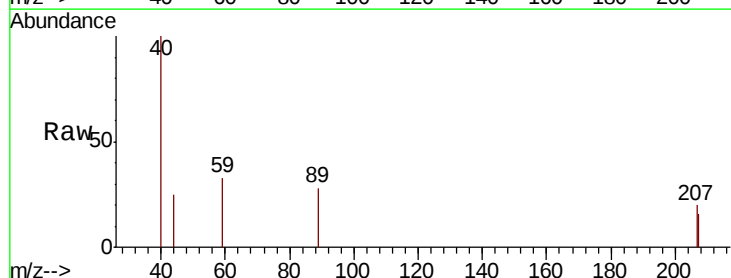
Acq: 07 Oct 2020 14:38

Tgt Ion: 59 Resp: 346

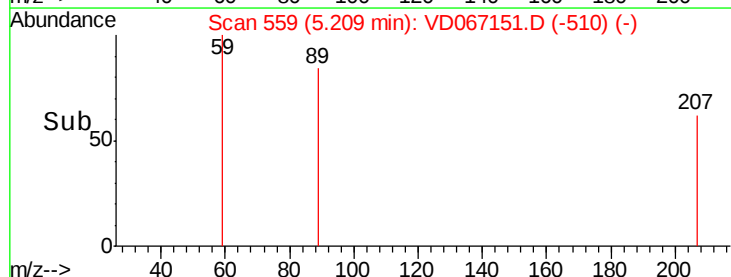
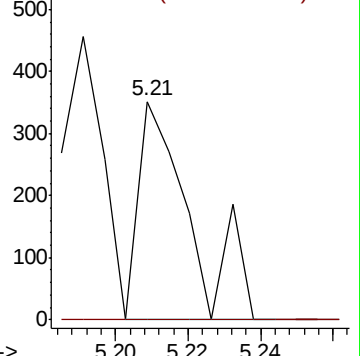
Ion Ratio Lower Upper

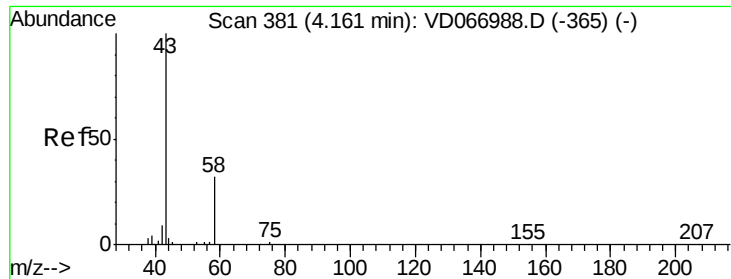
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC





#16

Acetone

Concen: 8.608 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067151.D

Acq: 07 Oct 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

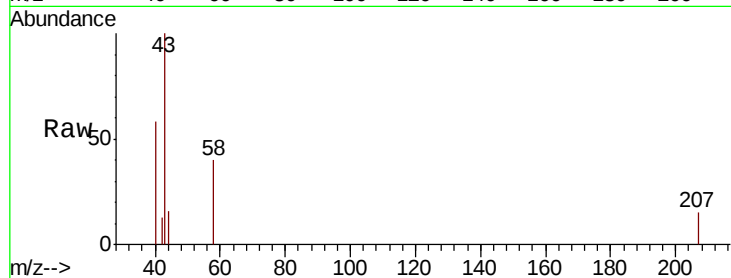
SB-7A

Tot Ion: 43 Resp: 4764

Ion Ratio Lower Upper

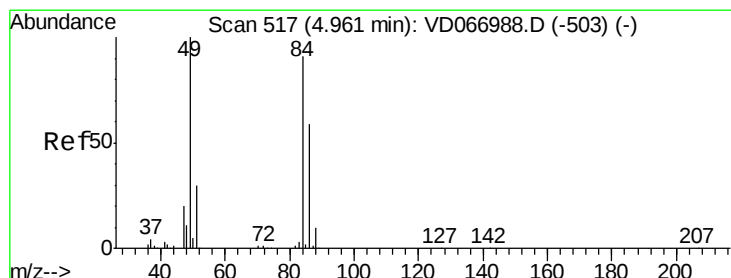
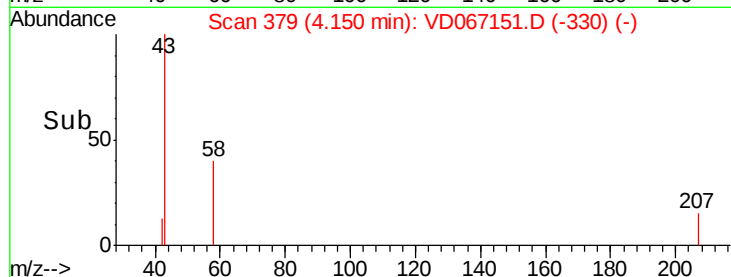
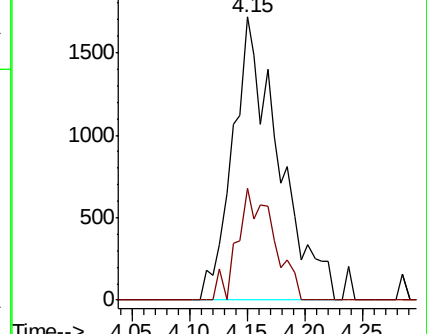
43 100

58 39.6 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: VD067151.D

Acq: 07 Oct 2020 14:38

Tgt Ion: 84 Resp: 8875

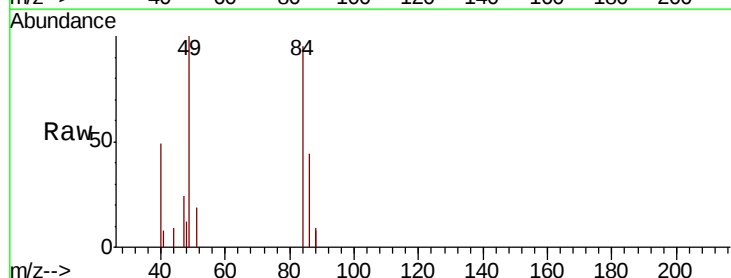
Ion Ratio Lower Upper

84 100

49 105.8 88.2 132.2

51 19.7 26.6 39.8#

86 46.6 52.1 78.1#

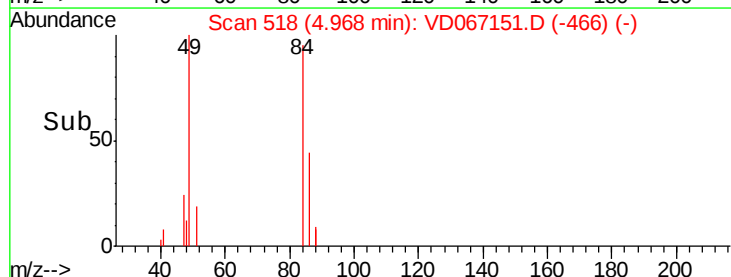
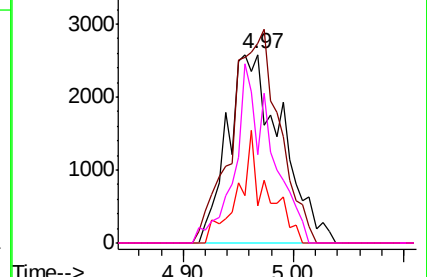


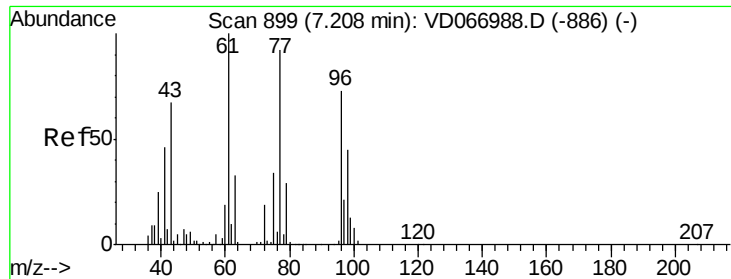
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

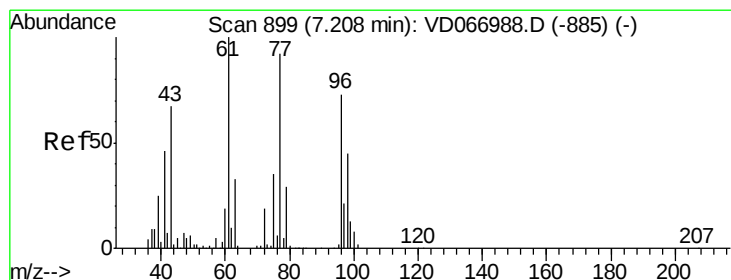
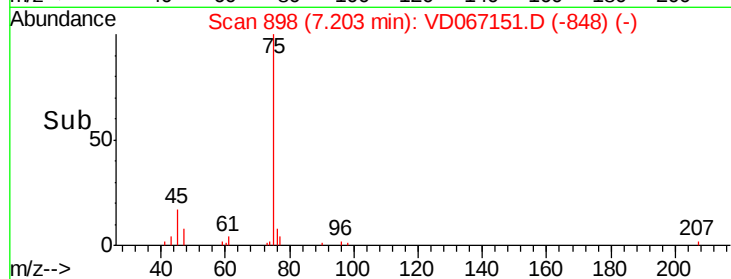
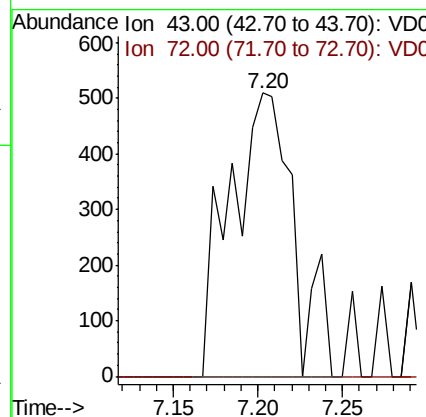
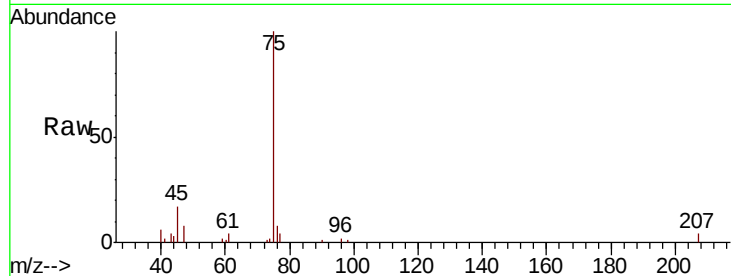




#25
2-Butanone
Concen: 1.713 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067151.D
Acq: 07 Oct 2020 14:38

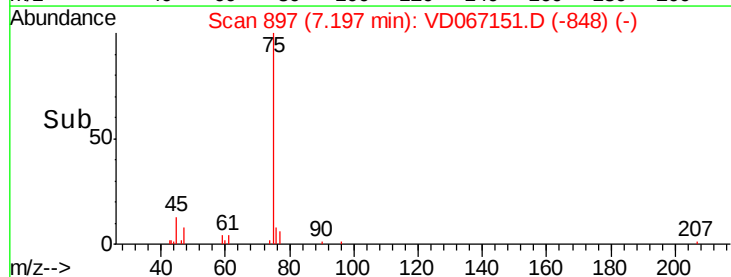
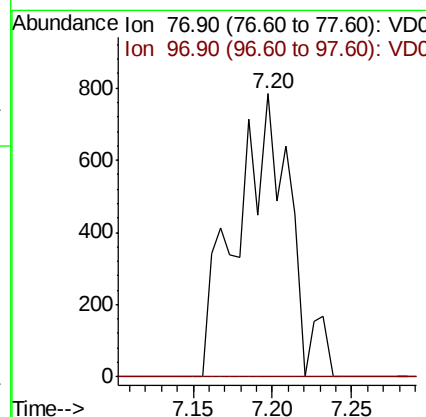
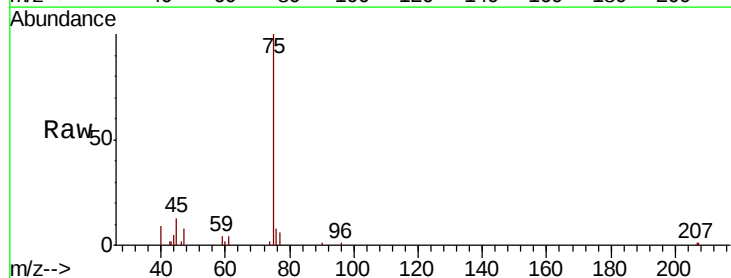
Instrument :
MSVOA_D
ClientSampled :
SB-7A

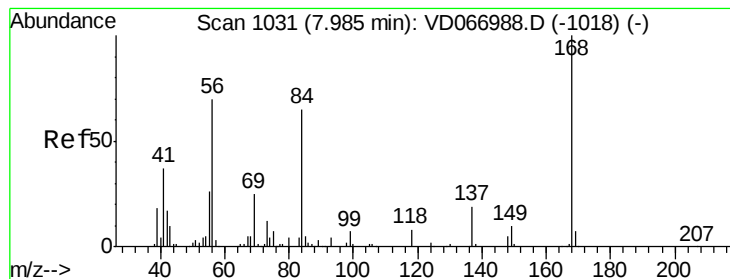
Tot Ion: 43 Resp: 1344
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067151.D
Acq: 07 Oct 2020 14:38

Tgt Ion: 77 Resp: 1859
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#31

Cyclohexane

Concen: 1.297 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067151.D

Acq: 07 Oct 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

SB-7A

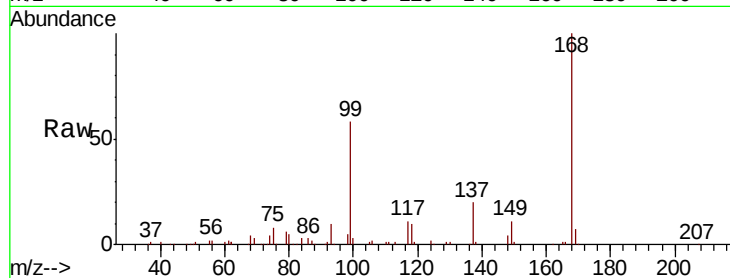
Tot Ion: 56 Resp: 7059

Ion Ratio Lower Upper

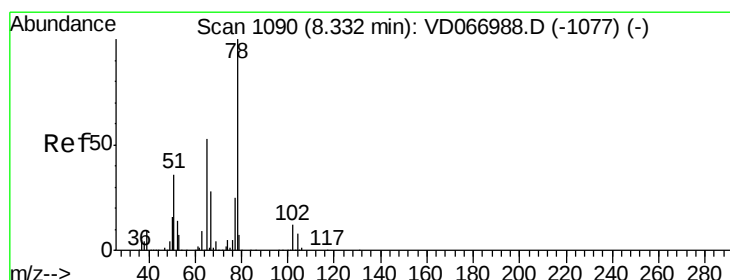
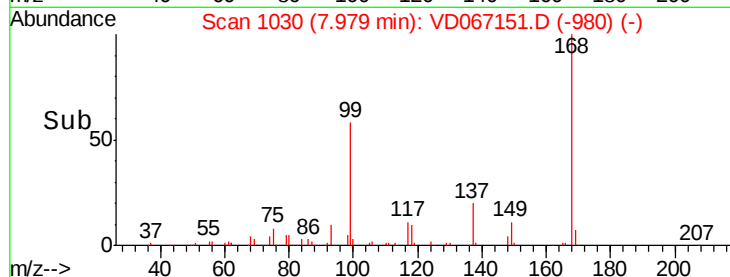
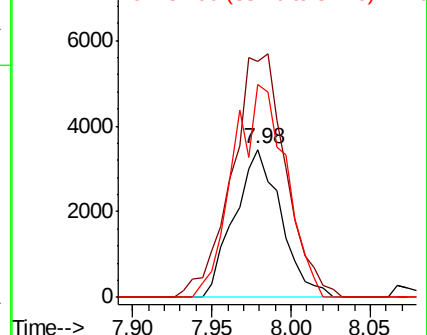
56 100

69 159.5 29.0 43.6#

84 143.8 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: 54.273 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067151.D

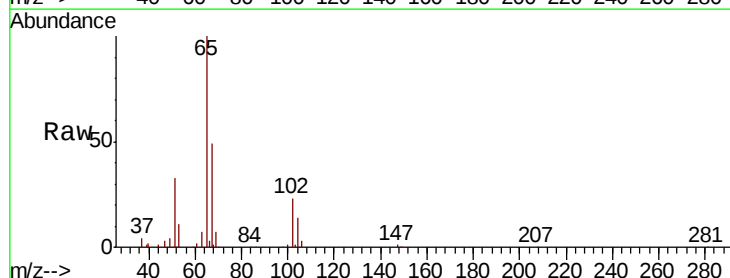
Acq: 07 Oct 2020 14:38

Tgt Ion: 65 Resp: 196762

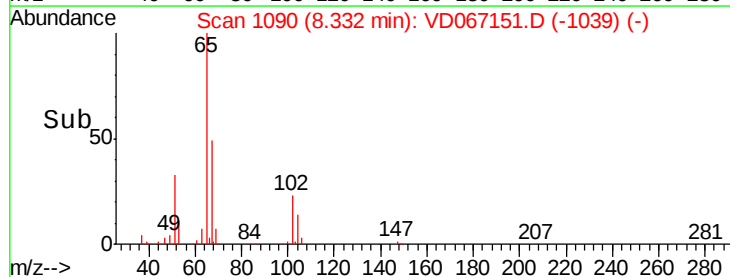
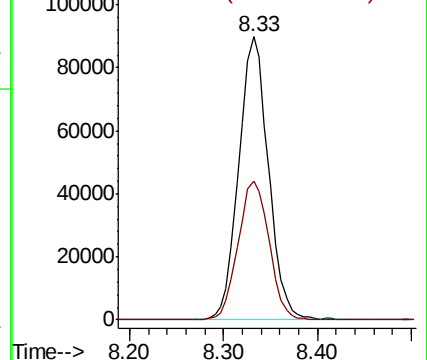
Ion Ratio Lower Upper

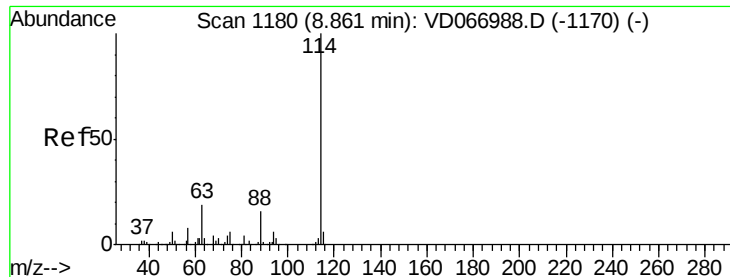
65 100

67 51.1 0.0 106.8



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

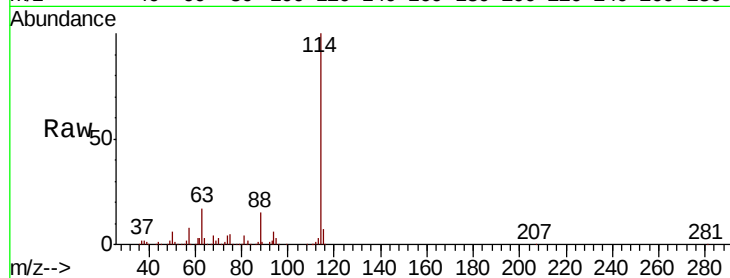




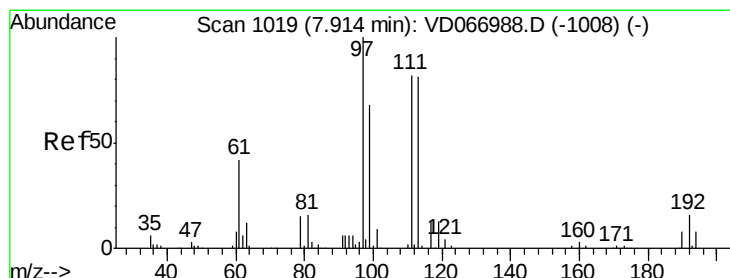
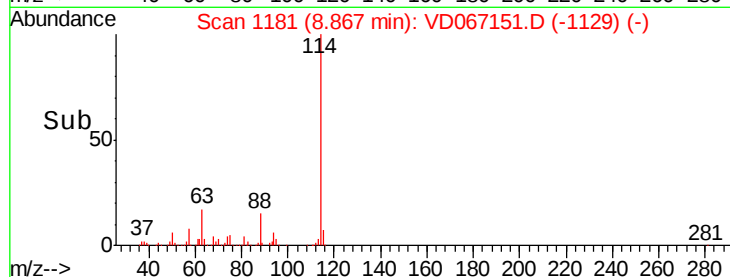
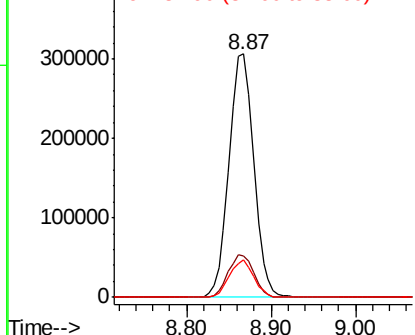
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067151.D
 Acq: 07 Oct 2020 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7A

Tot Ion:114 Resp: 622913
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 38.4
 88 15.5 0.0 31.2

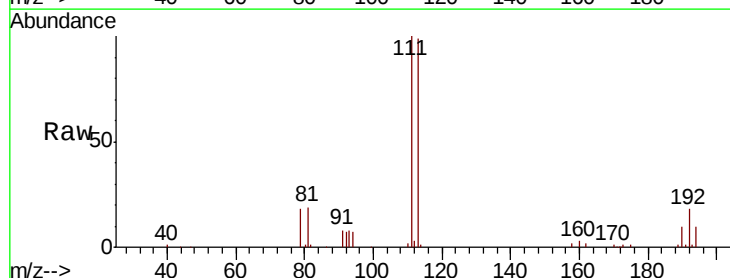


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

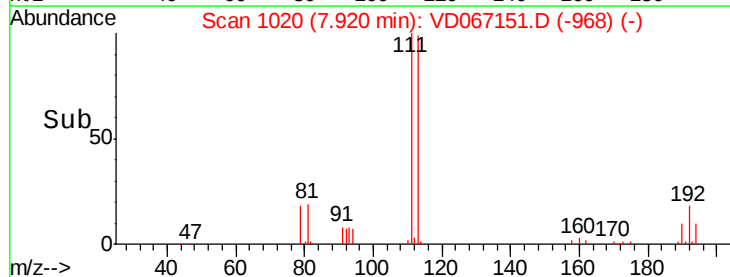
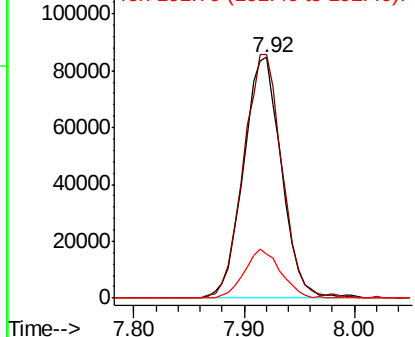


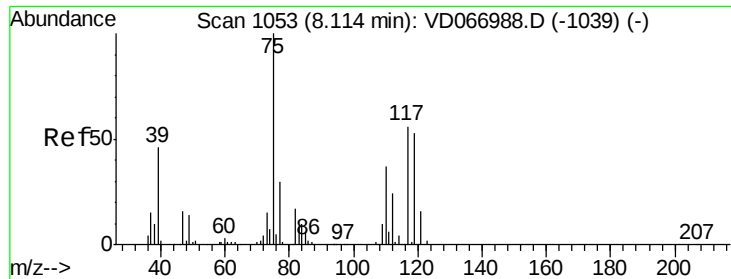
#35
 Dibromofluoromethane
 Concen: 50.079 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067151.D
 Acq: 07 Oct 2020 14:38

Tgt Ion:113 Resp: 204226
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.0 124.4
 192 19.6 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

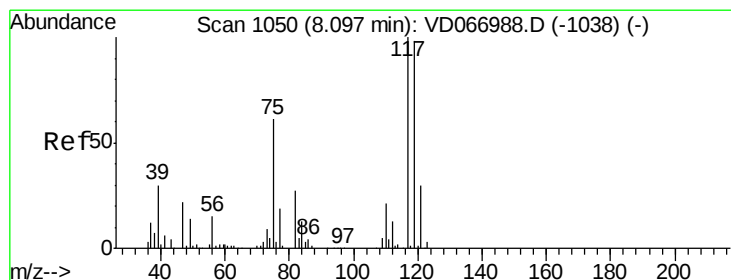
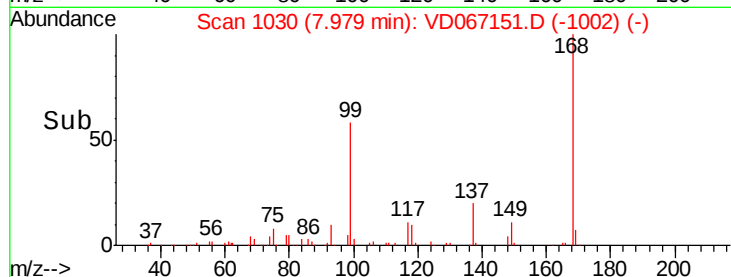
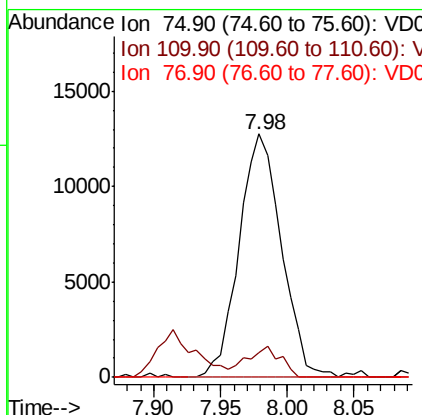
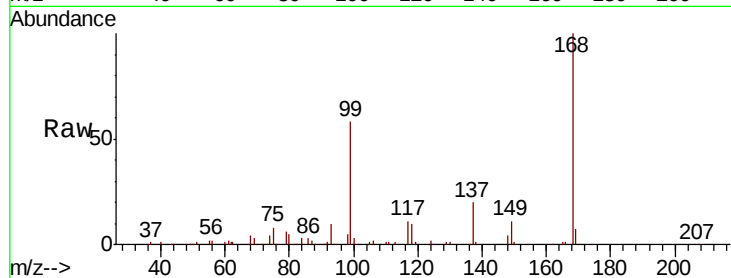




#36
 1,1-Dichloropropene
 Concen: 4.821 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067151.D
 Acq: 07 Oct 2020 14:38

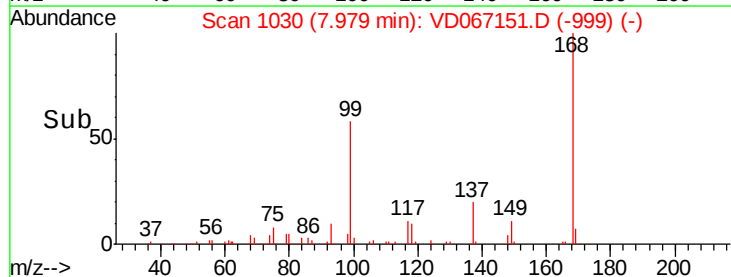
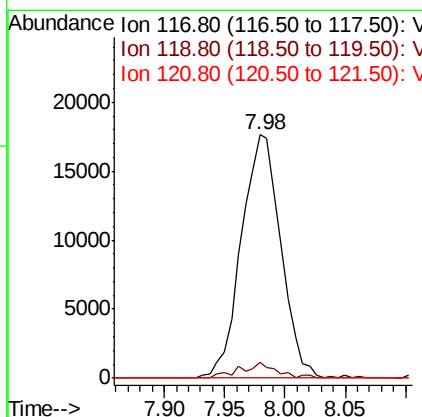
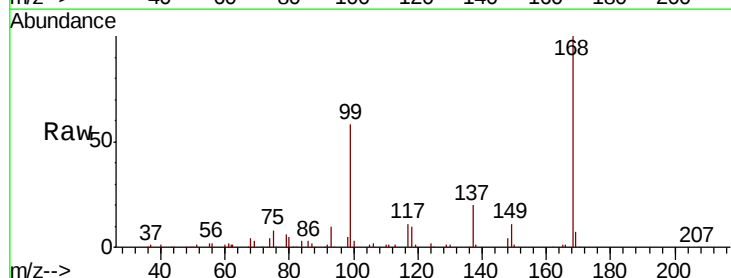
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7A

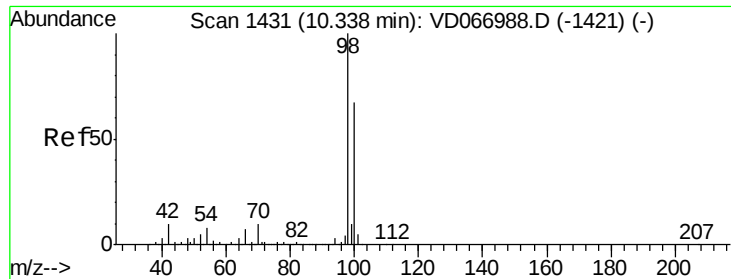
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.4	55.0#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.375 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067151.D
 Acq: 07 Oct 2020 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	78.7	118.1#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 49.430 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067151.D

Acq: 07 Oct 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

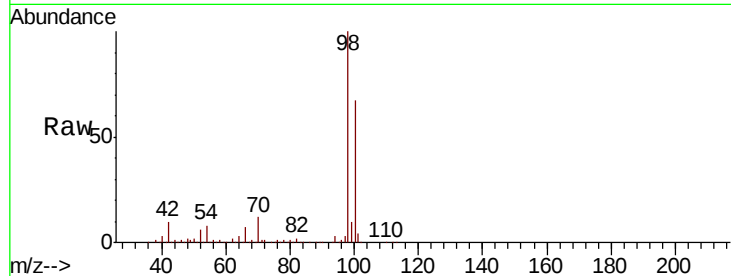
SB-7A

Tot Ion: 98 Resp: 734538

Ion Ratio Lower Upper

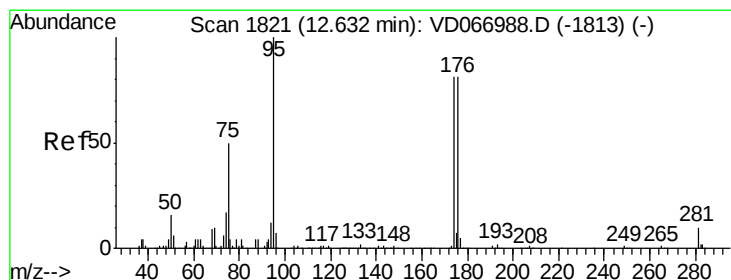
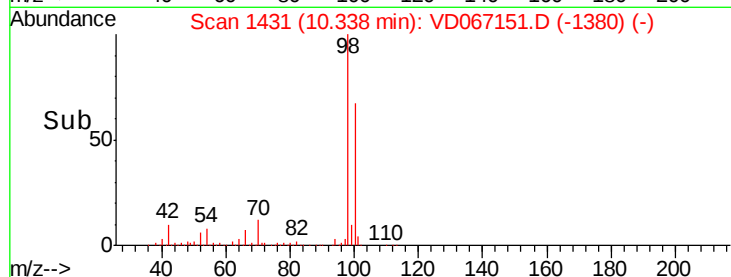
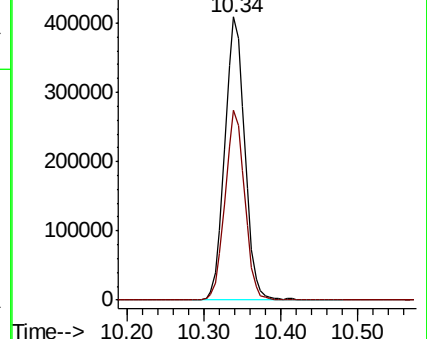
98 100

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: 50.557 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067151.D

Acq: 07 Oct 2020 14:38

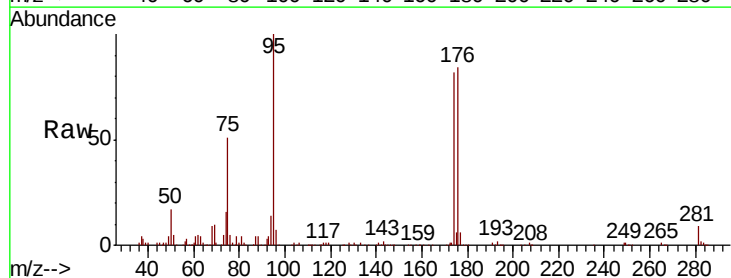
Tgt Ion: 95 Resp: 255040

Ion Ratio Lower Upper

95 100

174 83.7 0.0 167.6

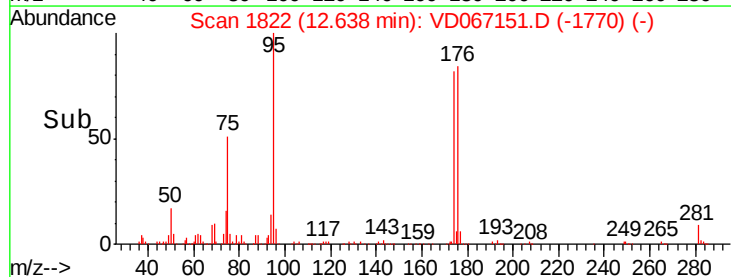
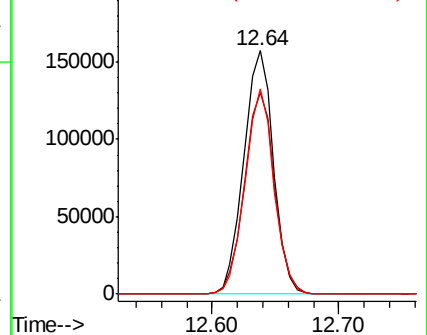
176 82.4 0.0 162.4

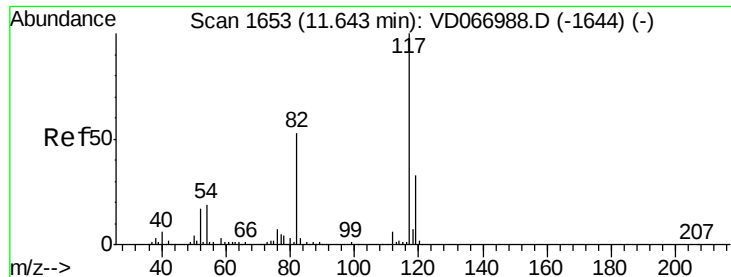


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

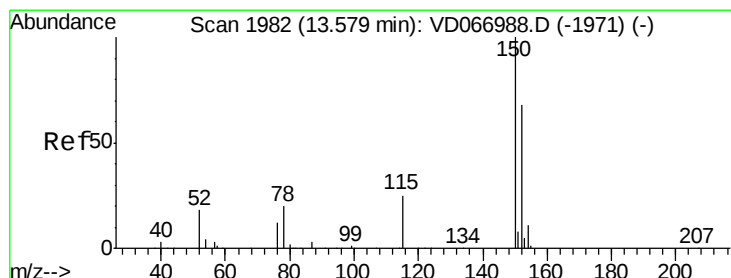
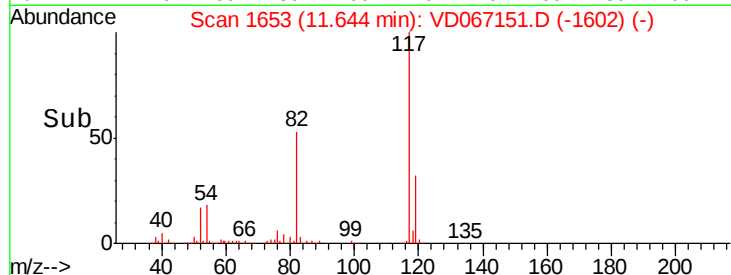
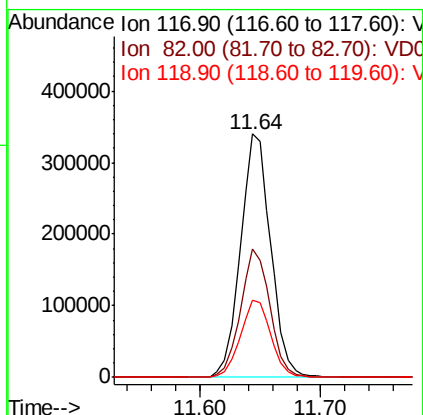
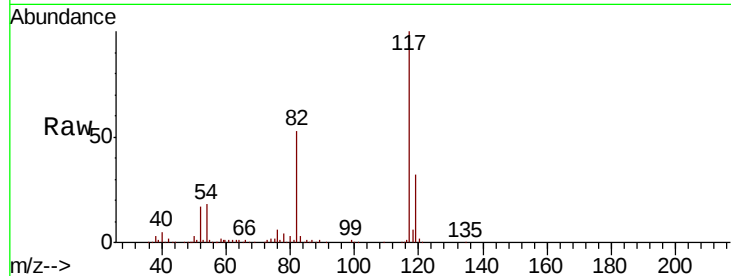




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067151.D
Acq: 07 Oct 2020 14:38

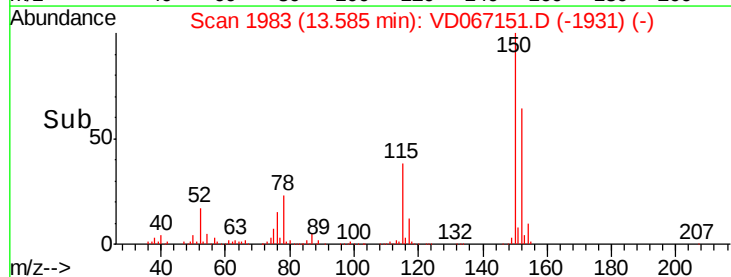
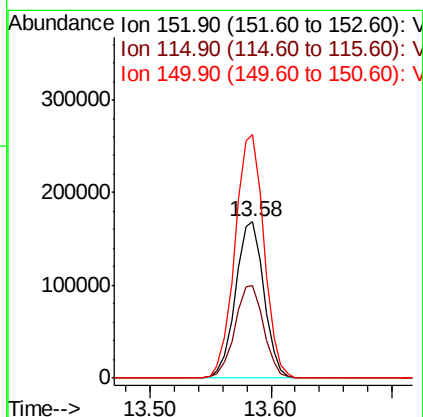
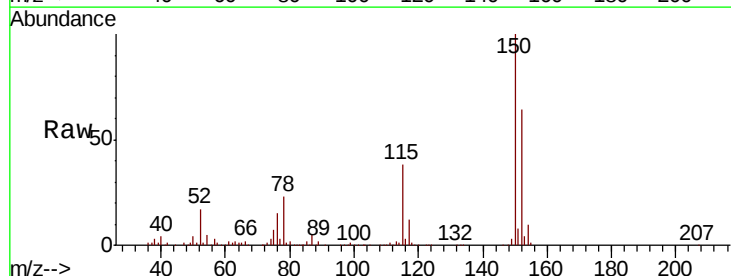
Instrument :
MSVOA_D
ClientSampleId :
SB-7A

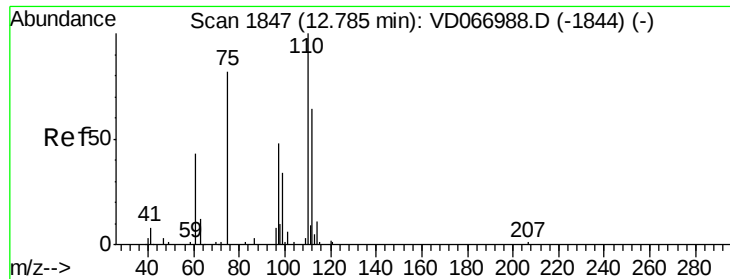
Tot Ion:117 Resp: 590712
Ion Ratio Lower Upper
117 100
82 52.9 42.6 63.8
119 31.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067151.D
Acq: 07 Oct 2020 14:38

Tgt Ion:152 Resp: 276494
Ion Ratio Lower Upper
152 100
115 60.2 29.6 88.8
150 159.2 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 52.436 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067151.D

Acq: 07 Oct 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

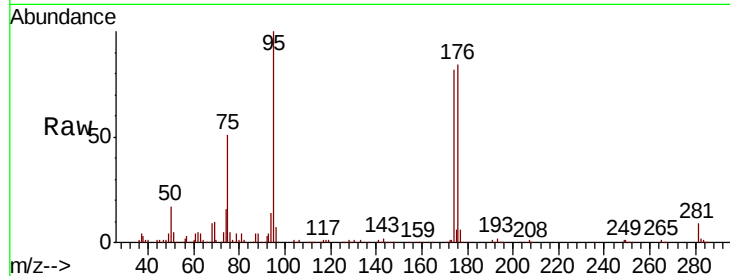
SB-7A

Tot Ion: 75 Resp: 126285

Ion Ratio Lower Upper

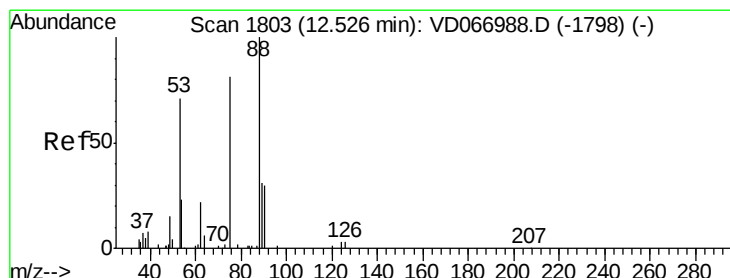
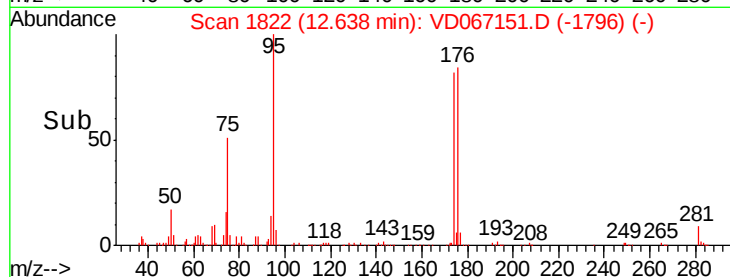
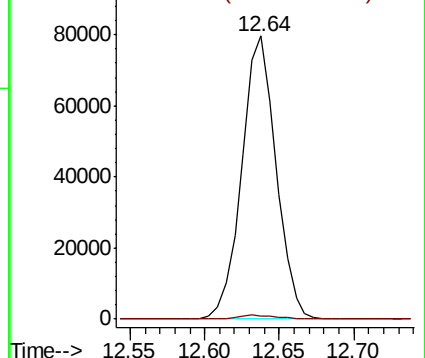
75 100

77 1.5 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: 130.730 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067151.D

Acq: 07 Oct 2020 14:38

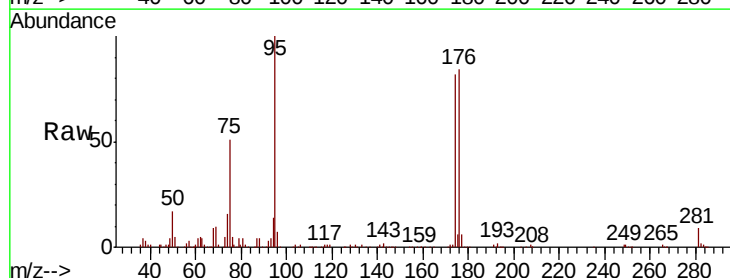
Tgt Ion: 75 Resp: 126285

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

