

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067166.D
 Acq On : 07 Oct 2020 22:51
 Operator : VA/SY
 Sample : VD1007SBL02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBL02

Quant Time: Oct 08 07:27:34 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	313684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	527190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	496302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	230504	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	178965	59.23	ug/l	0.00
Spiked Amount			Recovery	=	118.46%	
35) Dibromofluoromethane	7.91	113	188606	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	
50) Toluene-d8	10.34	98	648354	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.64	95	219109	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	

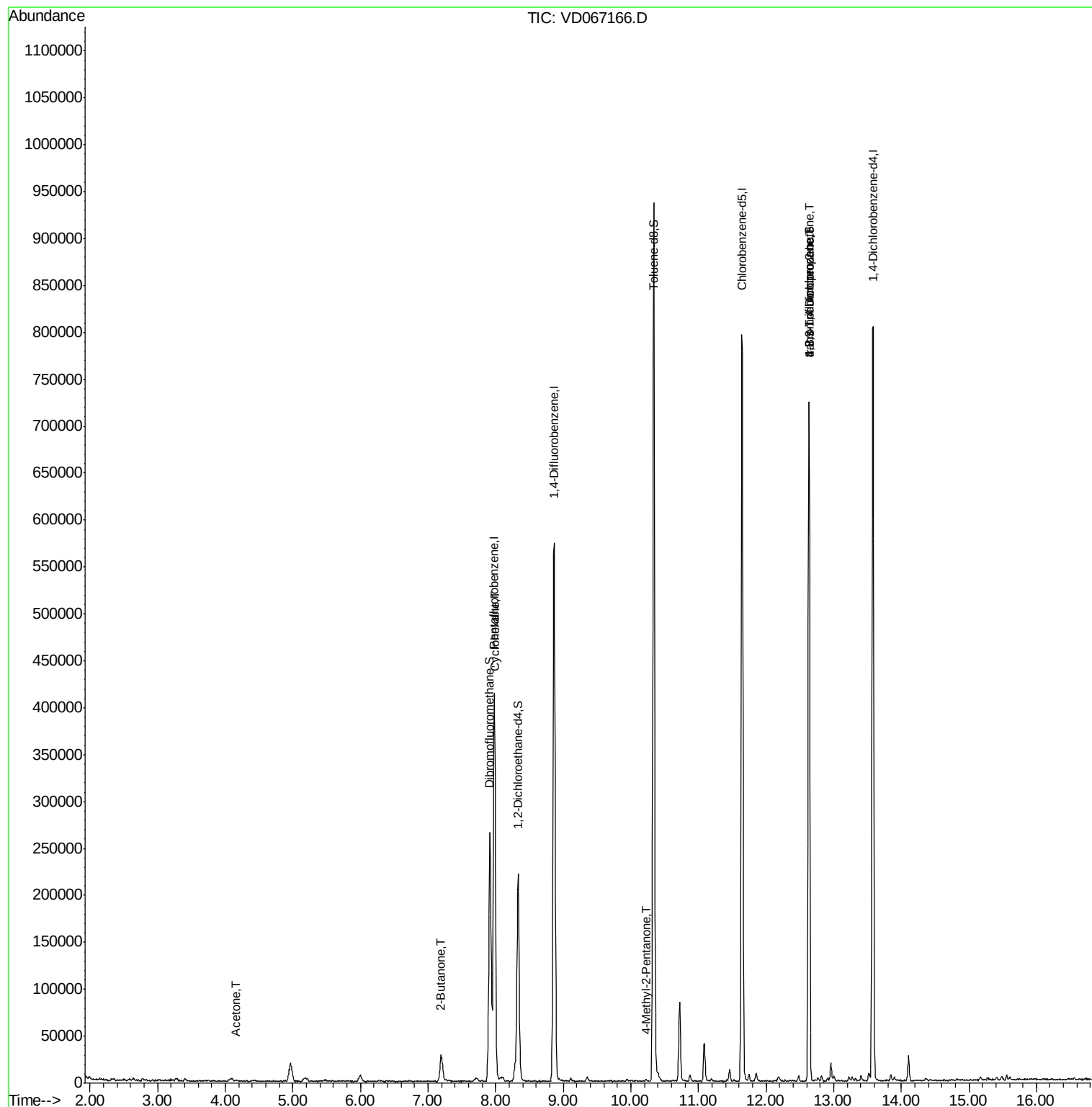
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	2042	Below Cal		83
5) Bromomethane	2.78	94	973	Below Cal	#	67
11) Tert butyl alcohol	5.19	59	3401	Below Cal	#	72
16) Acetone	4.16	43	1348	2.923	ug/l #	42
20) Methylene Chloride	4.97	84	15773	Below Cal		94
25) 2-Butanone	7.18	43	834	1.275	ug/l #	46
26) 2,2-Dichloropropane	7.19	77	1435	Below Cal	#	62
31) Cyclohexane	7.99	56	7661	1.688	ug/l #	58
51) 4-Methyl-2-Pentanone	10.22	43	1834	1.174	ug/l #	82
76) 1,2,3-Trichloropropane	12.64	75	113025	56.294	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	113025	140.348	ug/l #	12

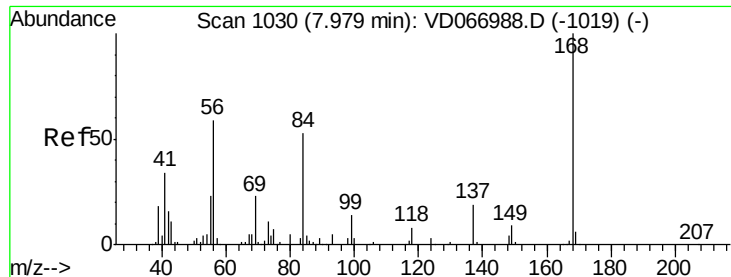
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100720\
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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VD1007SBL02

Quant Time: Oct 08 07:27:34 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: VD067166.D

Acq: 07 Oct 2020 22:51

Instrument :

MSVOA_D

ClientSampleId :

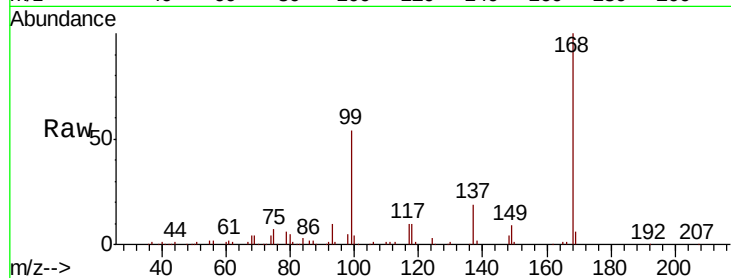
VD1007SBL02

Tot Ion:168 Resp: 313684

Ion Ratio Lower Upper

168 100

99 53.9 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

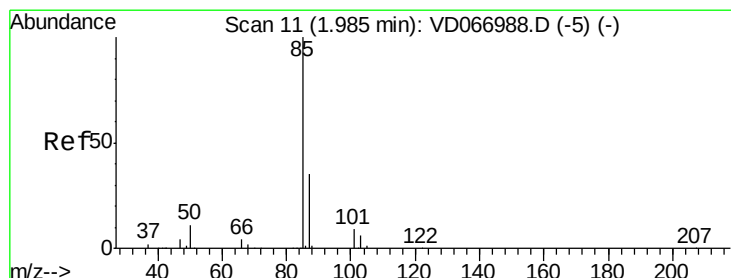
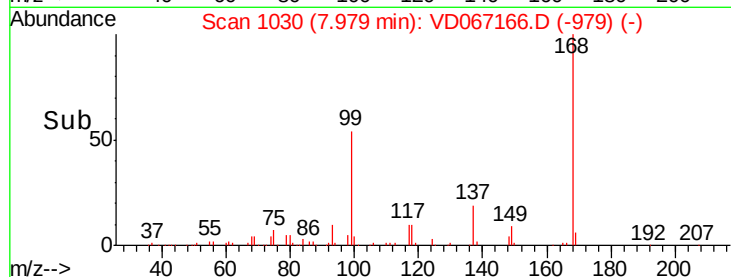
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD067166.D

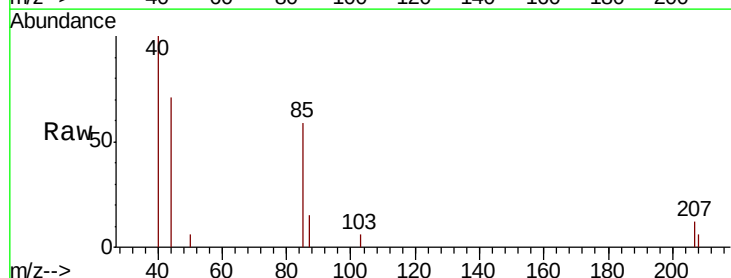
Acq: 07 Oct 2020 22:51

Tgt Ion: 85 Resp: 2042

Ion Ratio Lower Upper

85 100

87 25.1 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

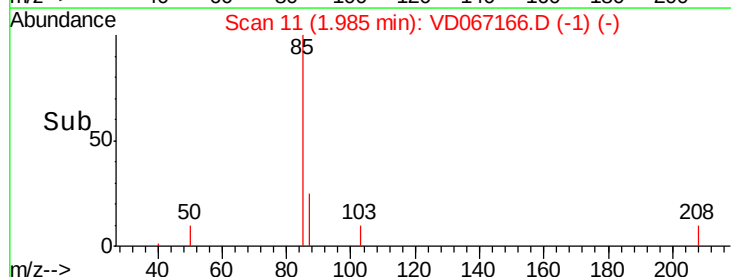
1500

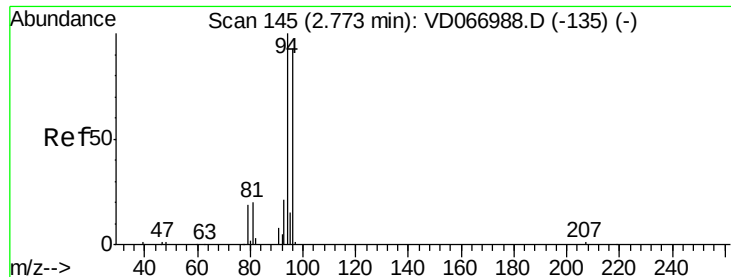
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067166.D

Acq: 07 Oct 2020 22:51

Instrument :

MSVOA_D

ClientSampleId :

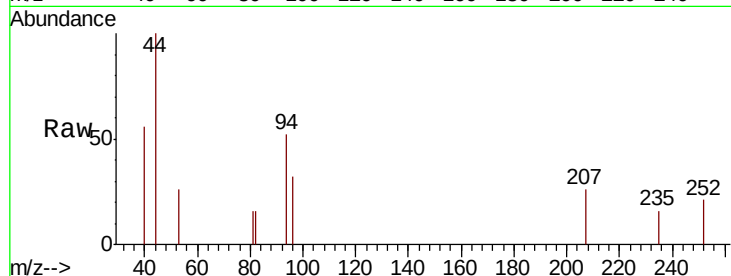
VD1007SBL02

Tot Ion: 94 Resp: 973

Ion Ratio Lower Upper

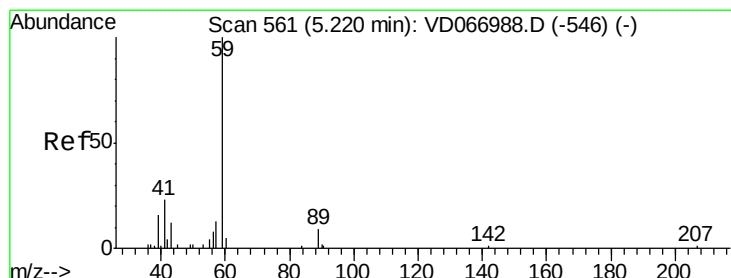
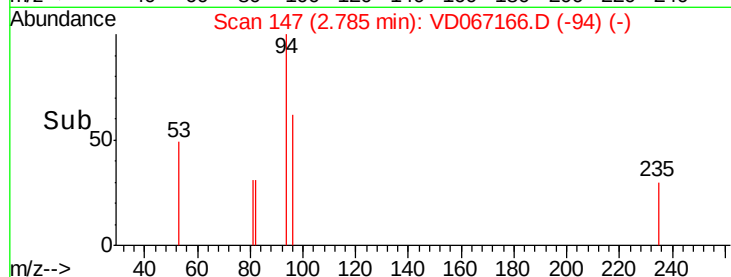
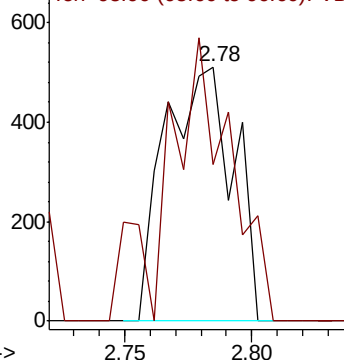
94 100

96 61.8 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: VD067166.D

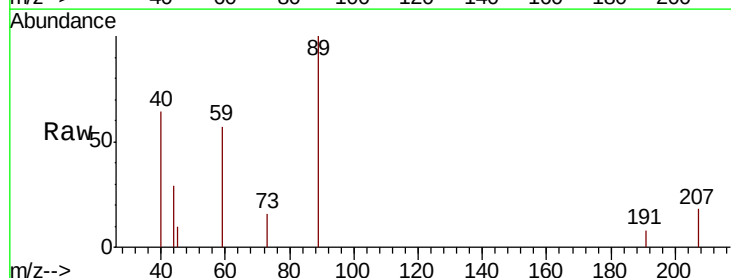
Acq: 07 Oct 2020 22:51

Tgt Ion: 59 Resp: 3401

Ion Ratio Lower Upper

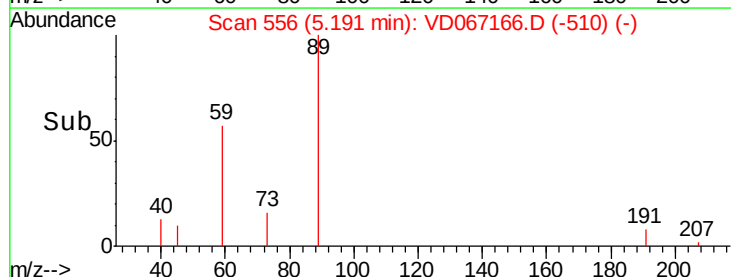
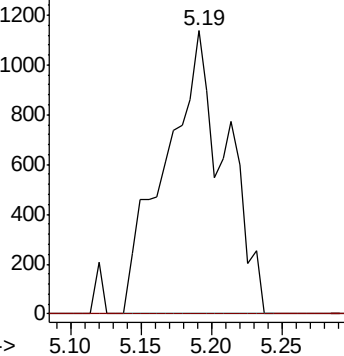
59 100

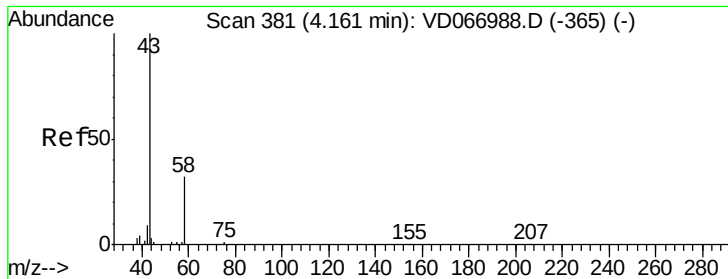
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

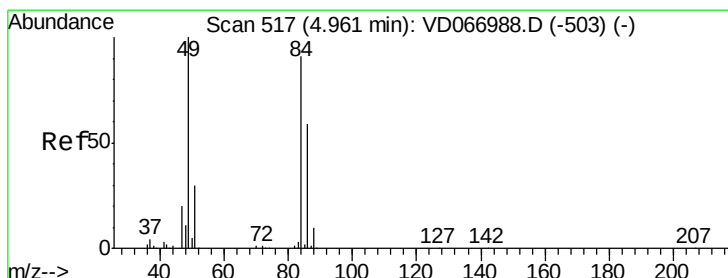
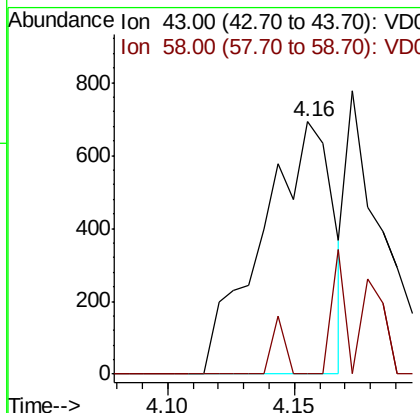
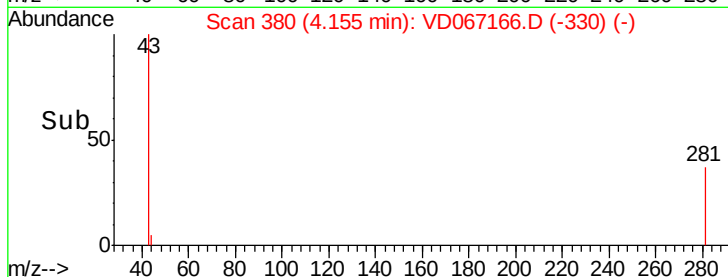
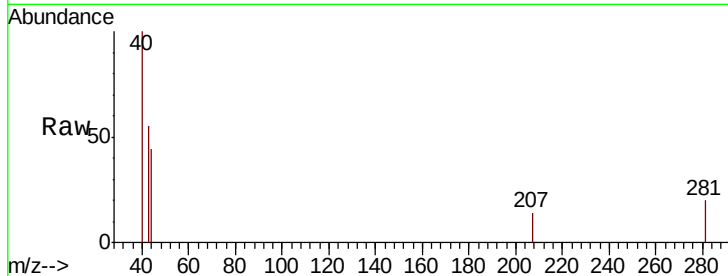




#16
Acetone
Concen: 2.923 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD067166.D
Acq: 07 Oct 2020 22:51

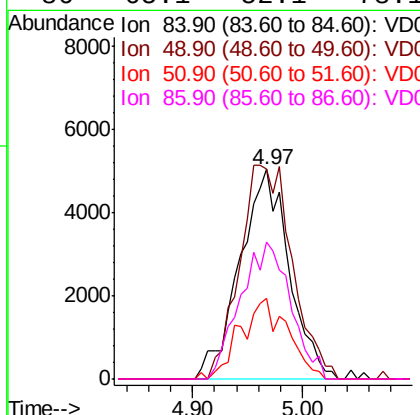
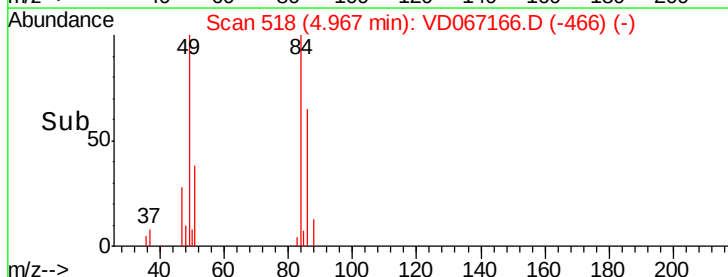
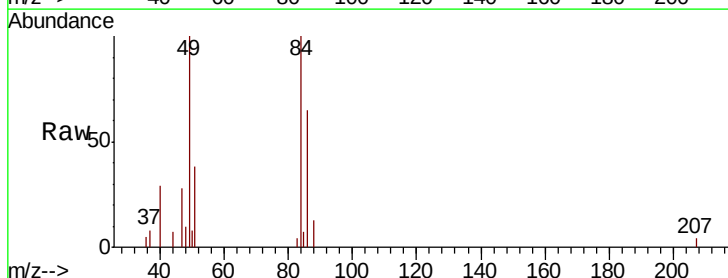
Instrument :
MSVOA_D
ClientSampleId :
VD1007SBL02

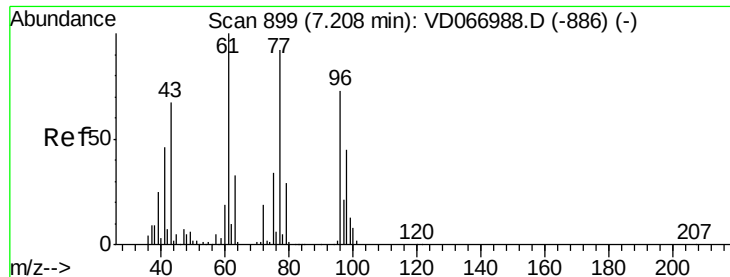
Tot Ion: 43 Resp: 1348
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067166.D
Acq: 07 Oct 2020 22:51

Tgt Ion: 84 Resp: 15773
Ion Ratio Lower Upper
84 100
49 100.2 88.2 132.2
51 38.3 26.6 39.8
86 65.1 52.1 78.1

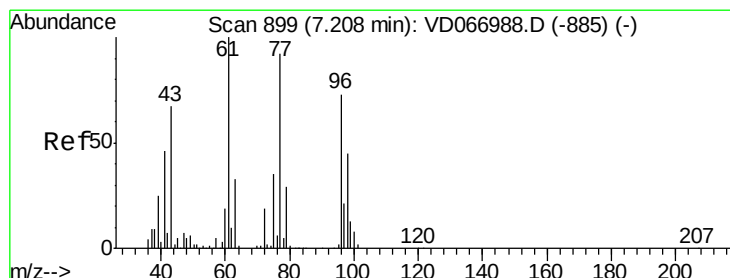
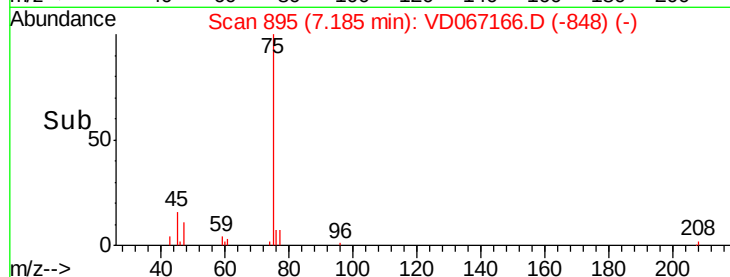
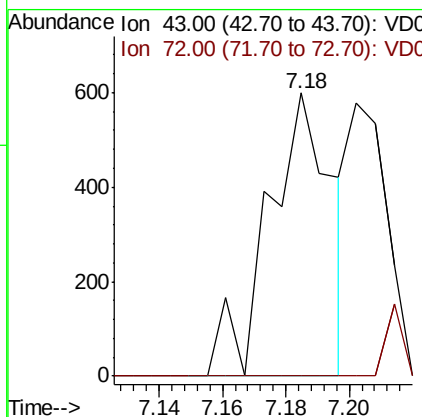
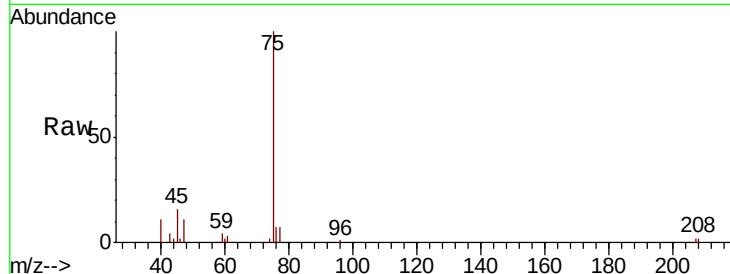




#25
 2-Butanone
 Concen: 1.275 ug/l
 RT: 7.18 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: VD067166.D
 Acq: 07 Oct 2020 22:51

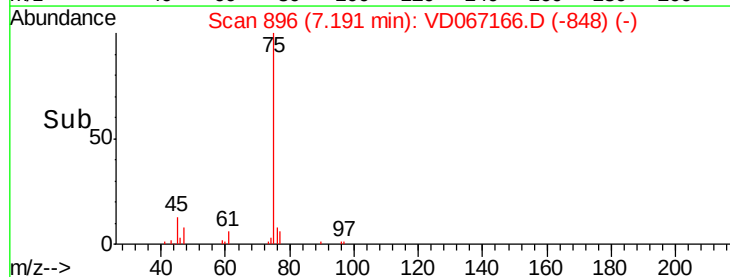
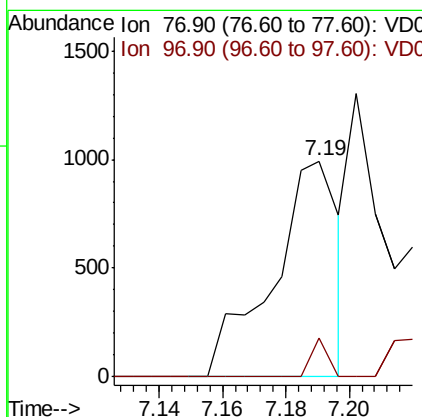
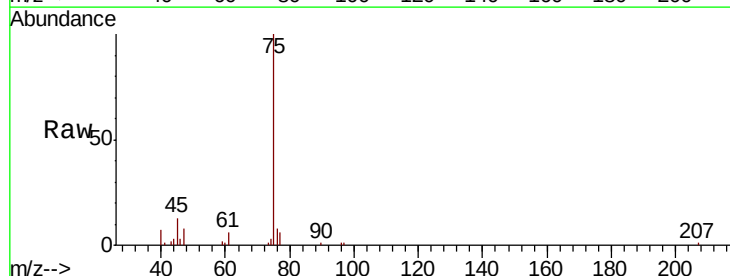
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBL02

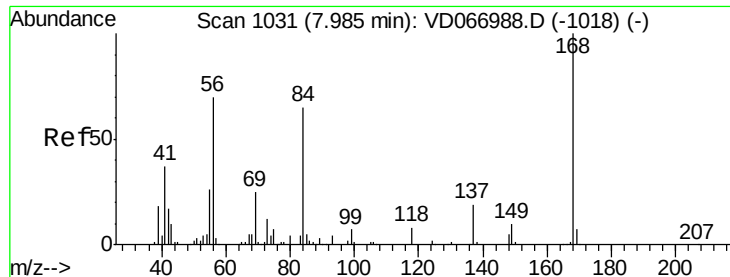
Tot Ion: 43 Resp: 834
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.8 34.2#



#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.19 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: VD067166.D
 Acq: 07 Oct 2020 22:51

Tgt Ion: 77 Resp: 1435
 Ion Ratio Lower Upper
 77 100
 97 4.4 11.4 34.2#

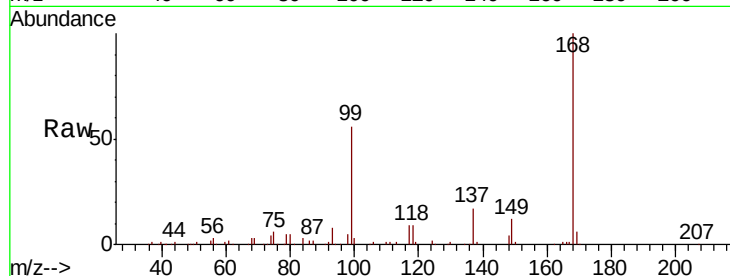




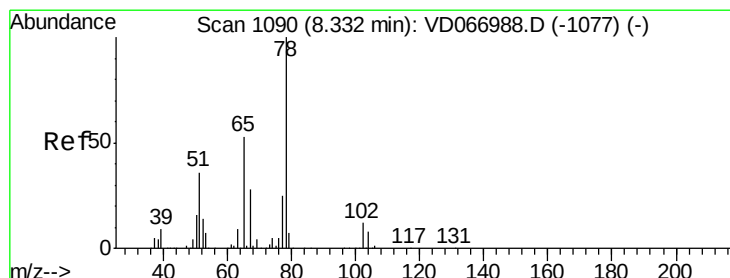
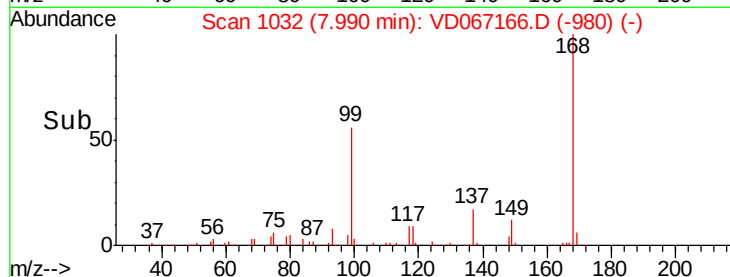
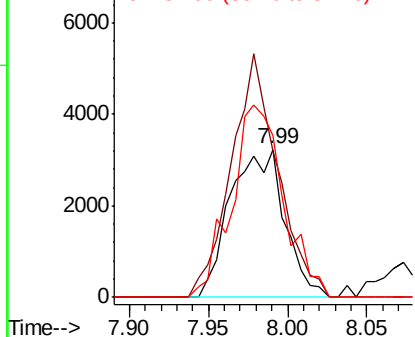
#31
Cyclohexane
Concen: 1.688 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067166.D
Acq: 07 Oct 2020 22:51

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBL02

Tot Ion: 56 Resp: 7661
Ion Ratio Lower Upper
56 100
69 98.7 29.0 43.6#
84 109.3 74.2 111.2

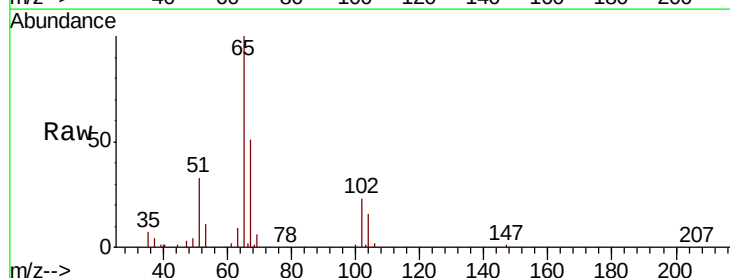


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

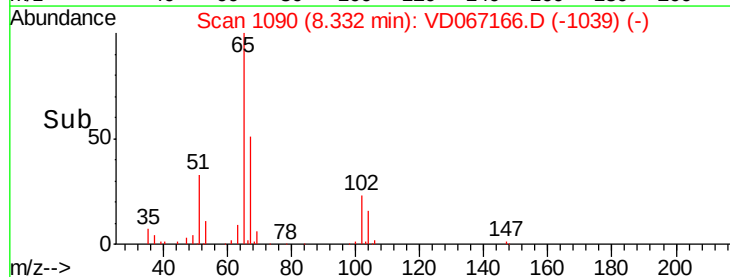
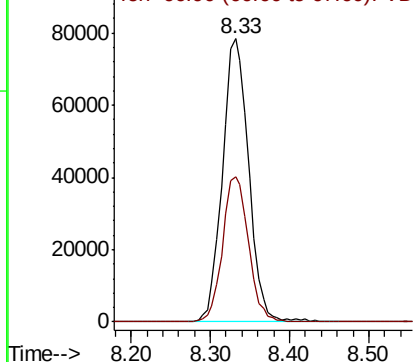


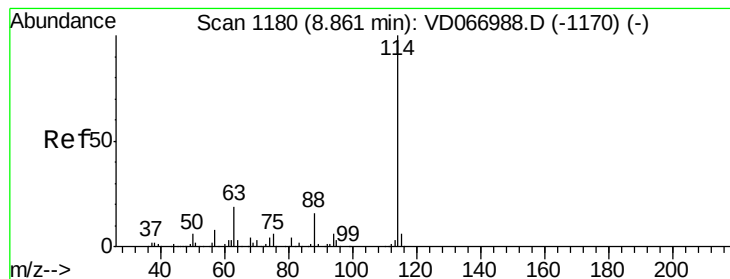
#33
1,2-Dichloroethane-d4
Concen: 59.233 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD067166.D
Acq: 07 Oct 2020 22:51

Tgt Ion: 65 Resp: 178965
Ion Ratio Lower Upper
65 100
67 50.6 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: VD067166.D

Acq: 07 Oct 2020 22:51

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBL02

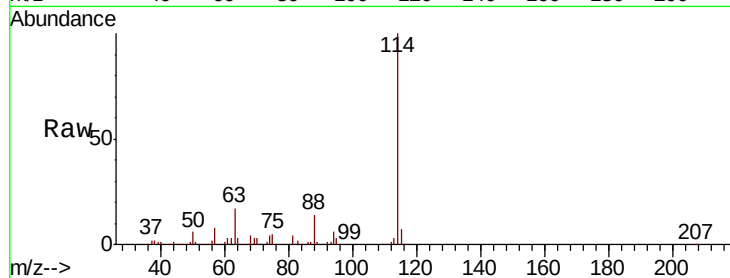
Tot Ion:114 Resp: 527190

Ion Ratio Lower Upper

114 100

63 16.9 0.0 38.4

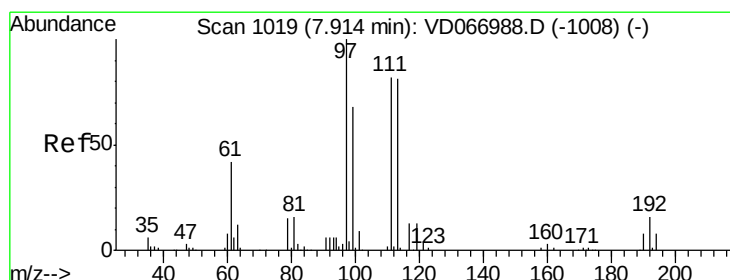
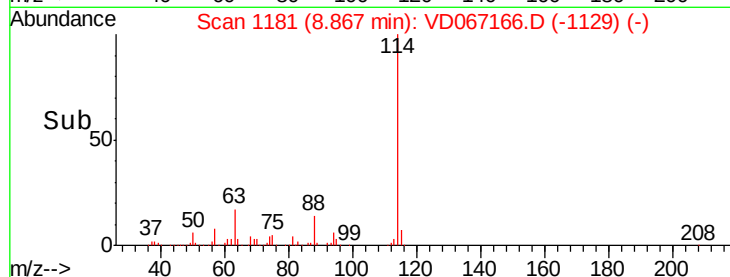
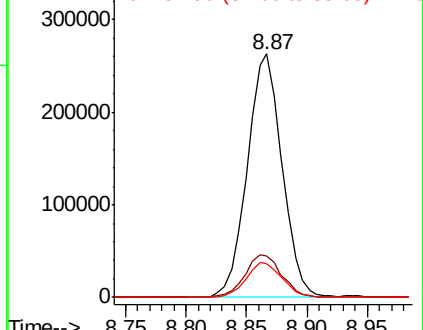
88 13.7 0.0 31.2



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: 54.646 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD067166.D

Acq: 07 Oct 2020 22:51

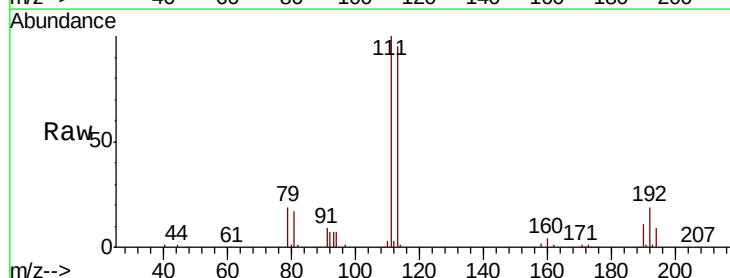
Tgt Ion:113 Resp: 188606

Ion Ratio Lower Upper

113 100

111 104.1 83.0 124.4

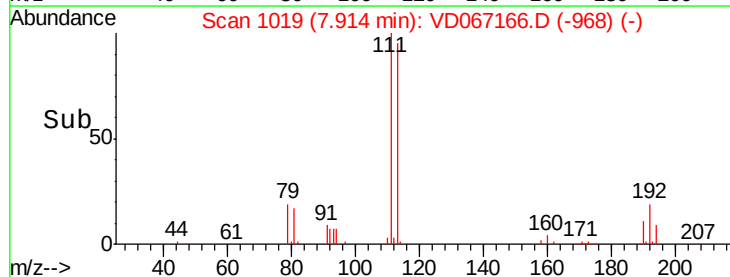
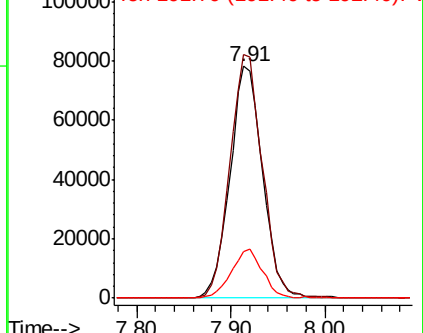
192 20.1 15.5 23.3

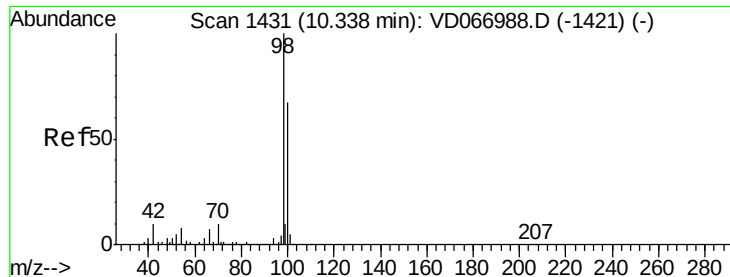


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

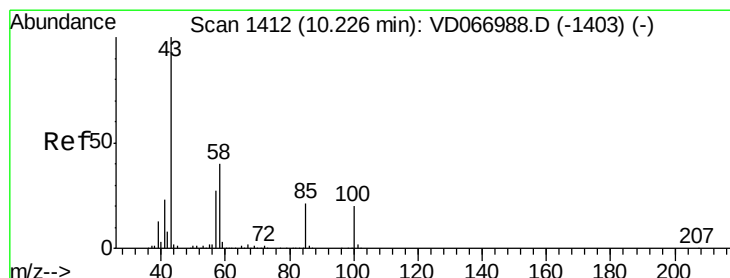
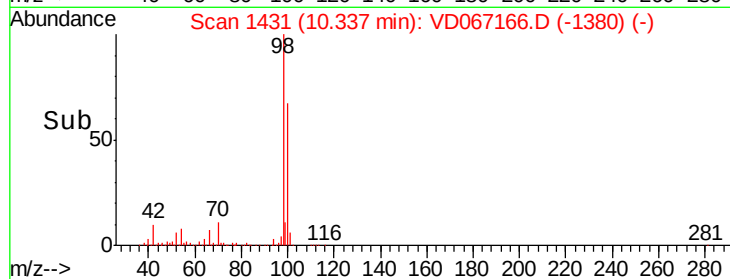
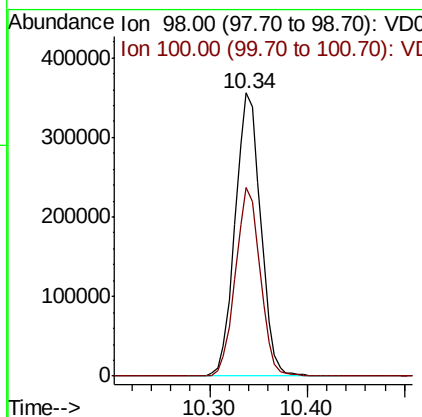
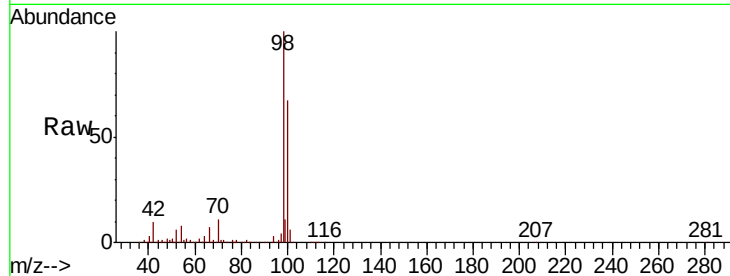




#50
Toluene-d8
Concen: 51.553 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067166.D
Acq: 07 Oct 2020 22:51

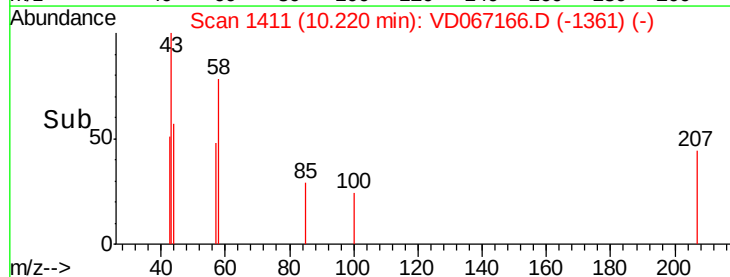
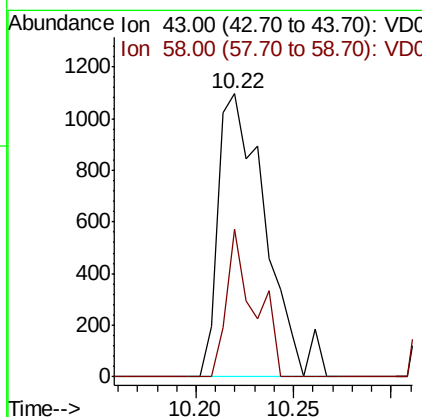
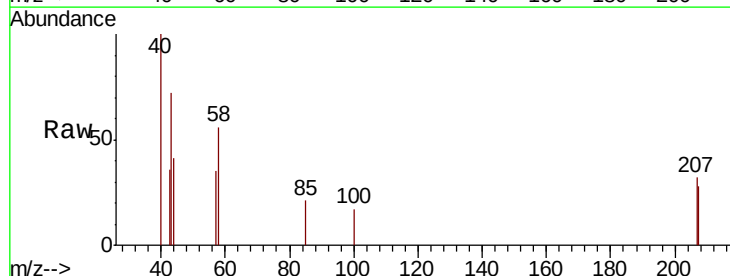
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MSVOA_D
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VD1007SBL02

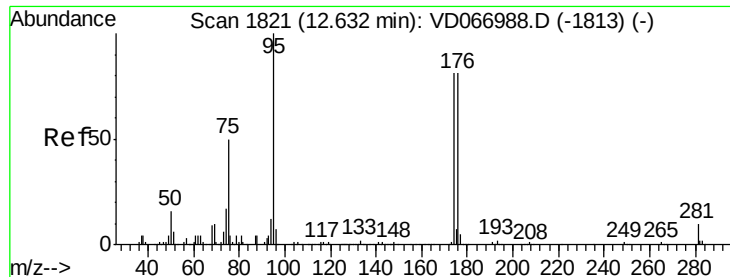
Tot Ion: 98 Resp: 648354
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.174 ug/l
RT: 10.22 min Scan# 1411
Delta R.T. -0.01 min
Lab File: VD067166.D
Acq: 07 Oct 2020 22:51

Tgt Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
58 31.1 33.8 50.8#

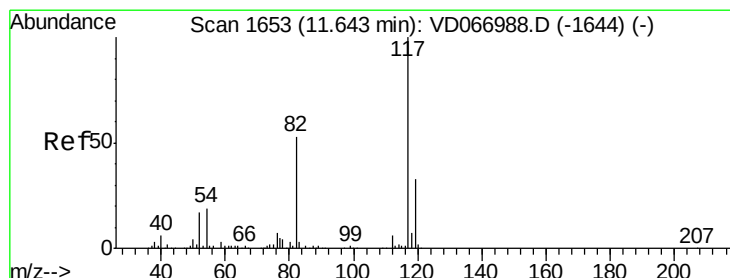
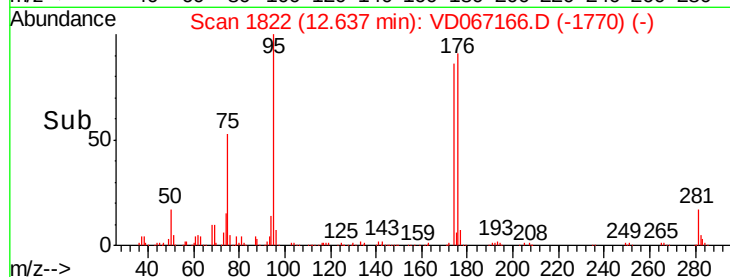
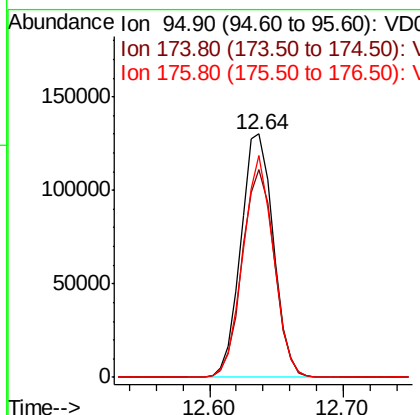
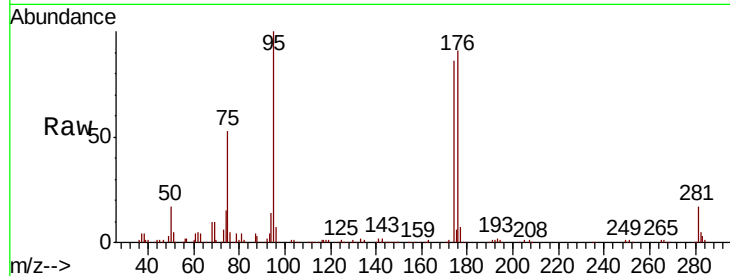




#62
4-Bromofluorobenzene
Concen: 51.320 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067166.D
Acq: 07 Oct 2020 22:51

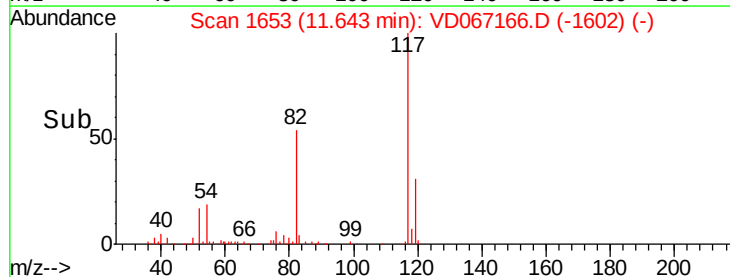
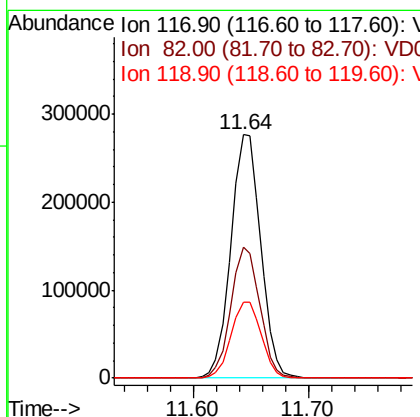
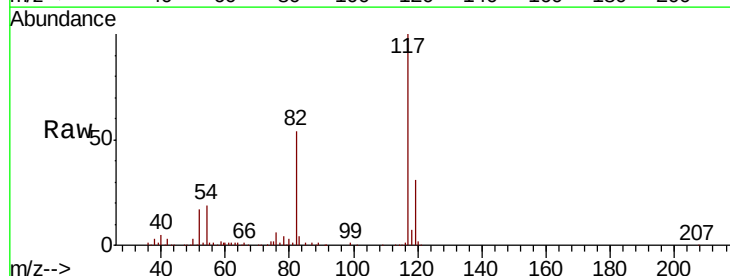
Instrument :
MSVOA_D
ClientSampleId :
VD1007SBL02

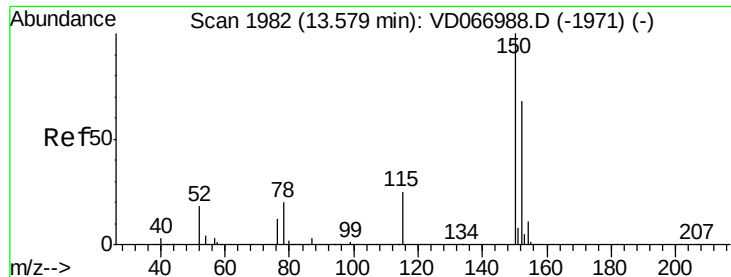
Tot Ion: 95 Resp: 219109
Ion Ratio Lower Upper
95 100
174 84.2 0.0 167.6
176 85.5 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067166.D
Acq: 07 Oct 2020 22:51

Tgt Ion: 117 Resp: 496302
Ion Ratio Lower Upper
117 100
82 53.6 42.6 63.8
119 31.4 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: VD067166.D

Acq: 07 Oct 2020 22:51

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBL02

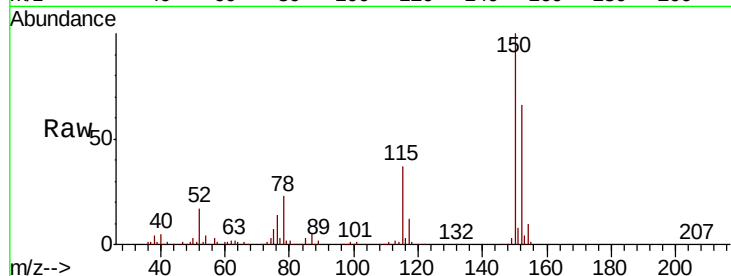
Tot Ion:152 Resp: 230504

Ion Ratio Lower Upper

152 100

115 58.9 29.6 88.8

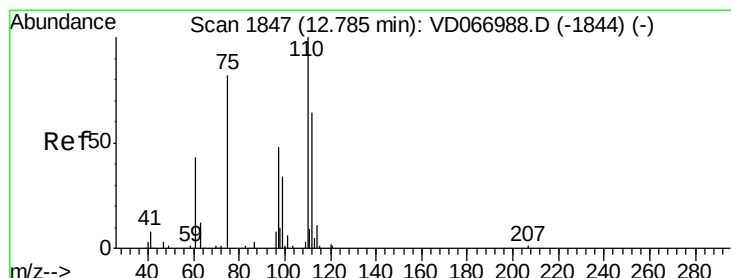
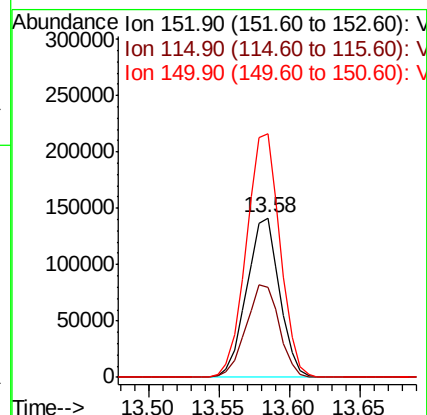
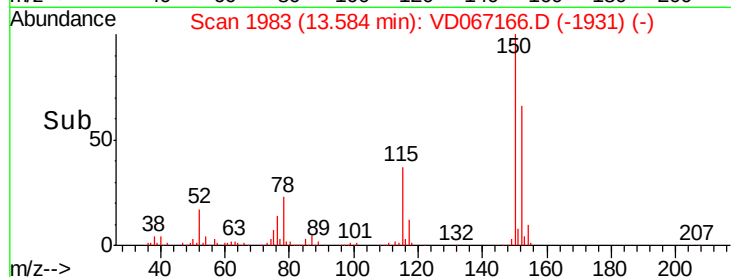
150 156.9 0.0 344.8



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: 56.294 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067166.D

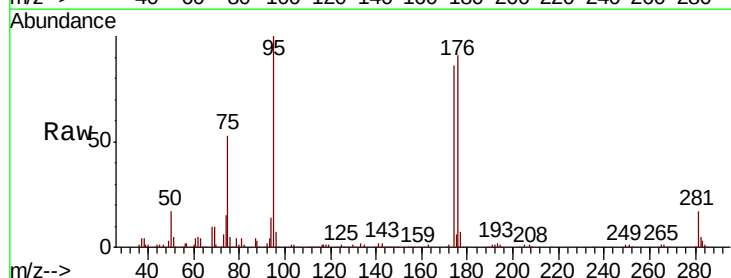
Acq: 07 Oct 2020 22:51

Tgt Ion: 75 Resp: 113025

Ion Ratio Lower Upper

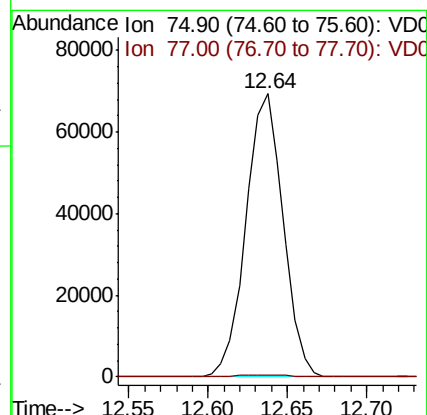
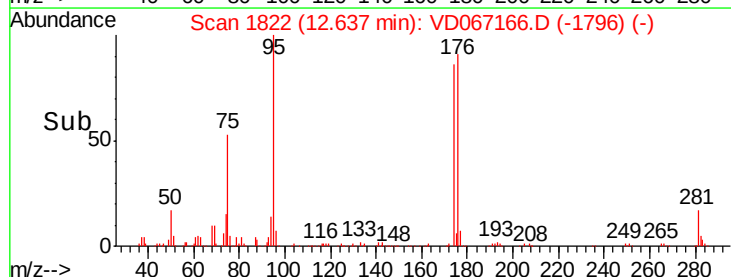
75 100

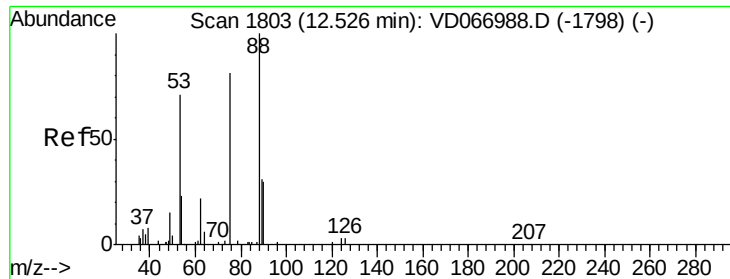
77 0.9 0.0 0.0#



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: 140.348 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067166.D

Acq: 07 Oct 2020 22:51

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBL02

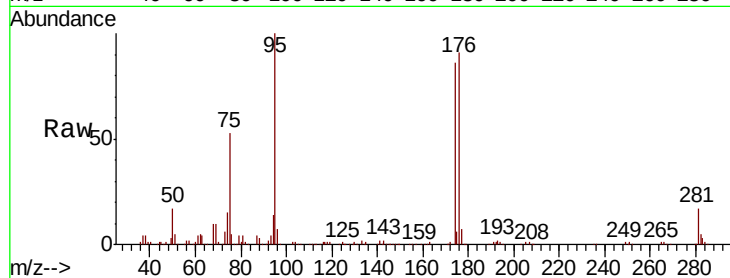
Tot Ion: 75 Resp: 113025

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

