

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067046.D
 Acq On : 02 Oct 2020 20:04
 Operator : VA/SY
 Sample : L3872-13
 Misc : 6.38G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-093020

Quant Time: Oct 03 04:50:15 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	534569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	886842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	801174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	346274	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	259706	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
35) Dibromofluoromethane	7.91	113	283412	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	10.34	98	1061159	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.63	95	328321	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	

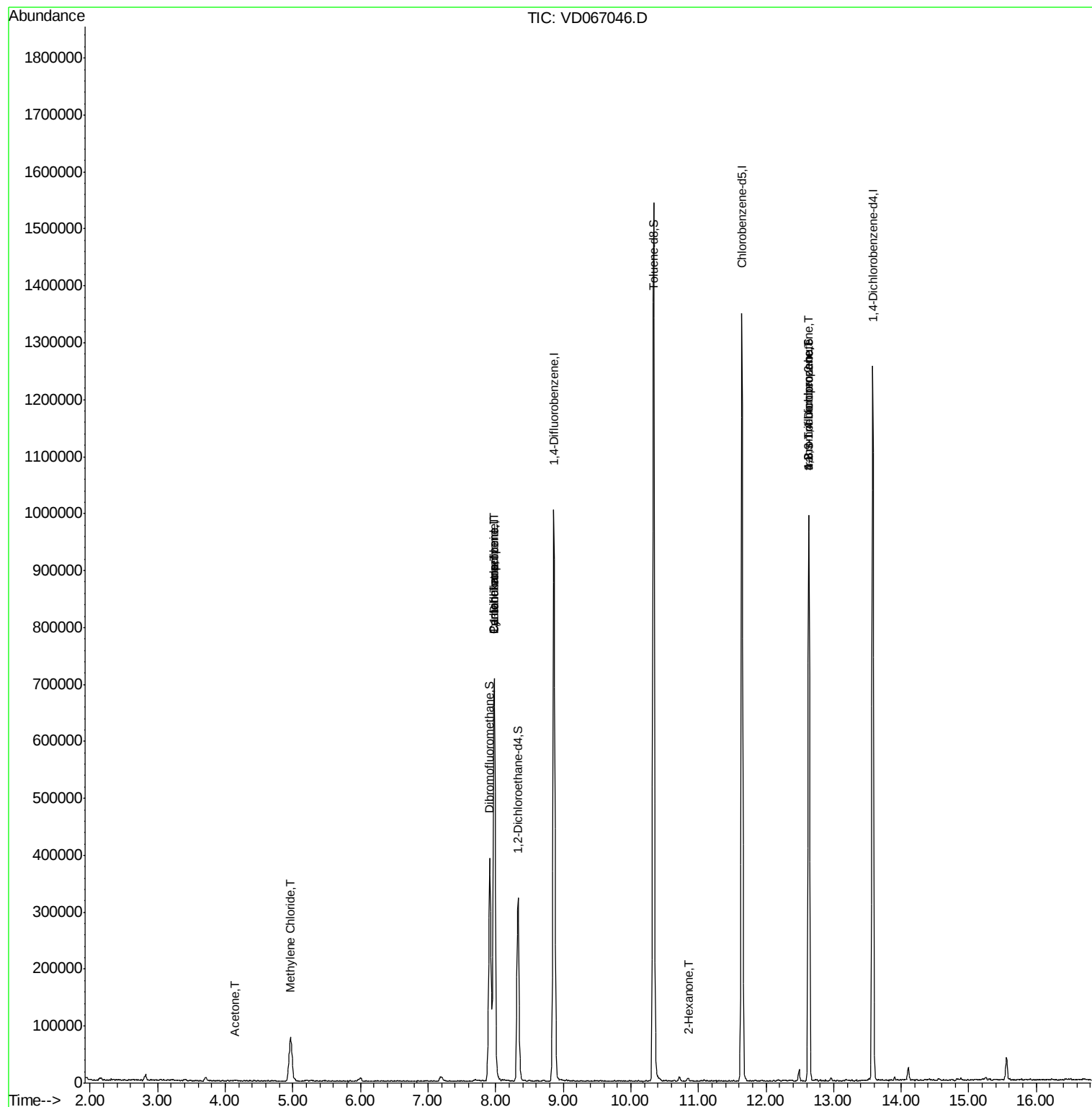
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	246	Below Cal	#	40
5) Bromomethane	2.78	94	215	Below Cal	#	37
11) Tert butyl alcohol	5.20	59	755	Below Cal	#	94
16) Acetone	4.14	43	1012	1.288	ug/l #	87
20) Methylene Chloride	4.96	84	63726	4.857	ug/l	97
26) 2,2-Dichloropropane	7.20	77	393	Below Cal	#	53
31) Cyclohexane	7.98	56	9886	1.278	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	40633	4.915	ug/l #	50
38) Carbon Tetrachloride	7.98	117	54219	6.062	ug/l #	16
59) 2-Hexanone	10.85	43	3478	1.983	ug/l	69
76) 1,2,3-Trichloropropane	12.63	75	164016	54.379	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	164016	135.574	ug/l #	12

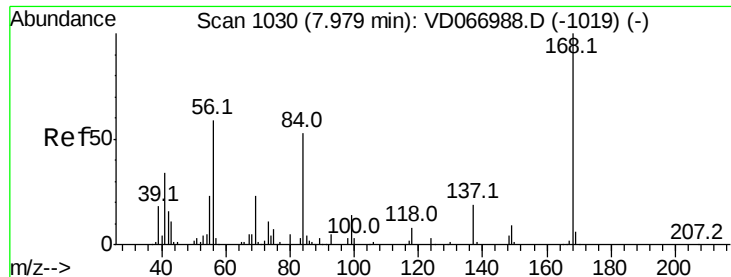
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
Data File : VD067046.D
Acq On : 02 Oct 2020 20:04
Operator : VA/SY
Sample : L3872-13
Misc : 6.38G/5.00ml/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BU-03-093020

Quant Time: Oct 03 04:50:15 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: VD067046.D

Acq: 02 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

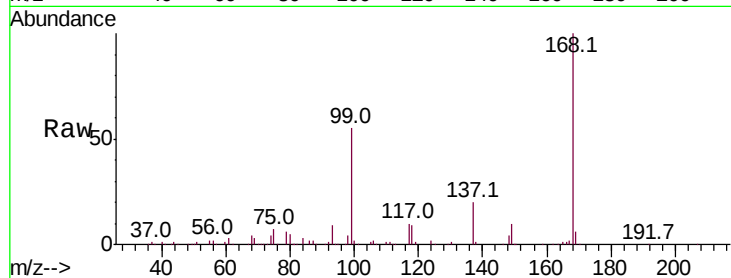
BU-03-093020

Tot Ion:168 Resp: 534569

Ion Ratio Lower Upper

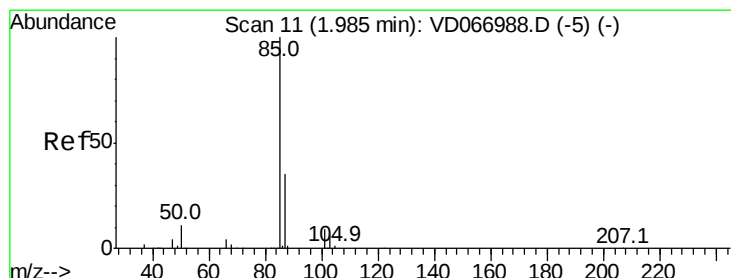
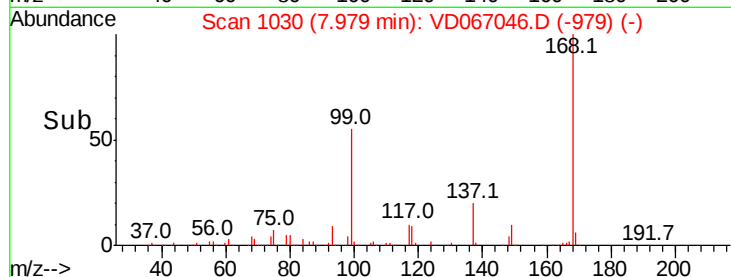
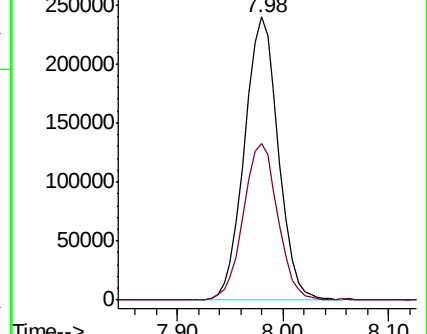
168 100

99 55.4 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: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD067046.D

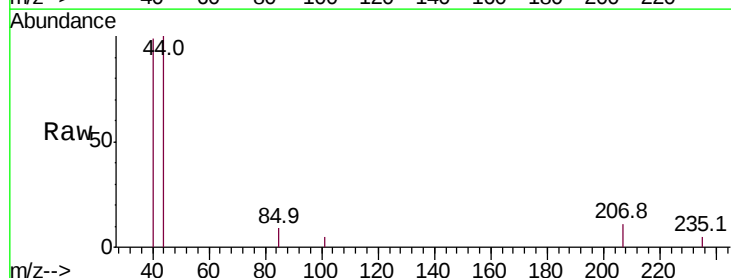
Acq: 02 Oct 2020 20:04

Tgt Ion: 85 Resp: 246

Ion Ratio Lower Upper

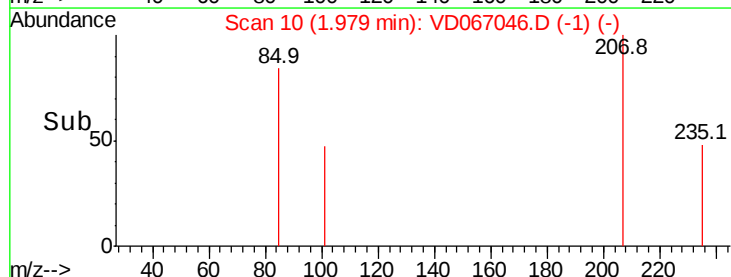
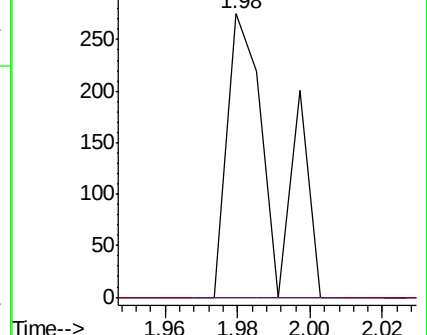
85 100

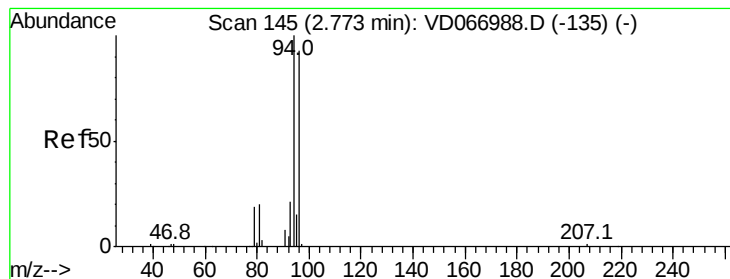
87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067046.D

Acq: 02 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

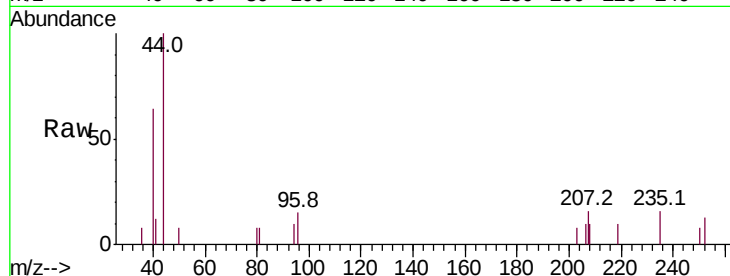
BU-03-093020

Tot Ion: 94 Resp: 215

Ion Ratio Lower Upper

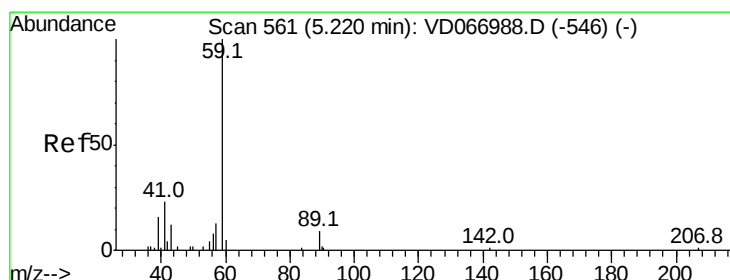
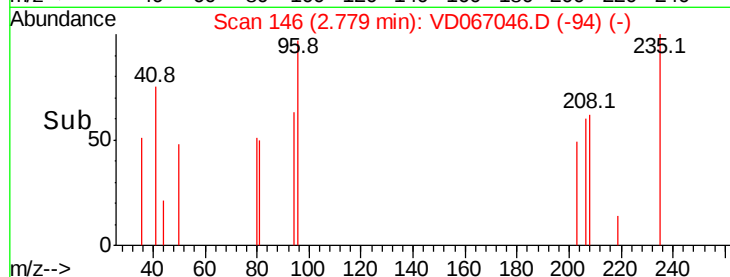
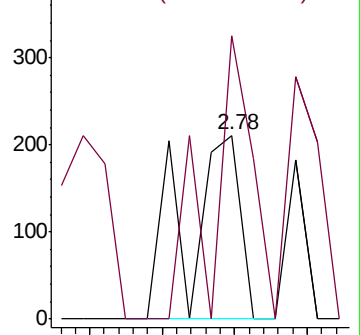
94 100

96 154.0 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: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD067046.D

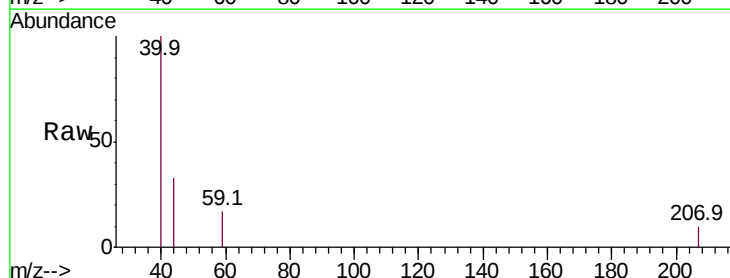
Acq: 02 Oct 2020 20:04

Tgt Ion: 59 Resp: 755

Ion Ratio Lower Upper

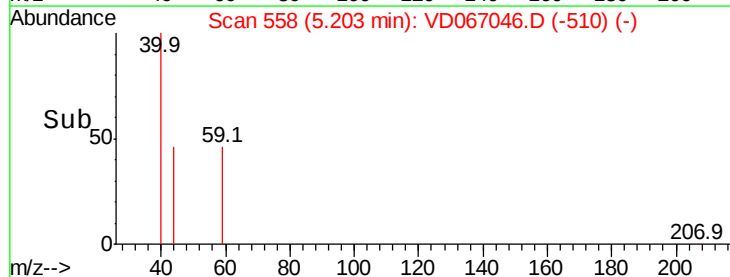
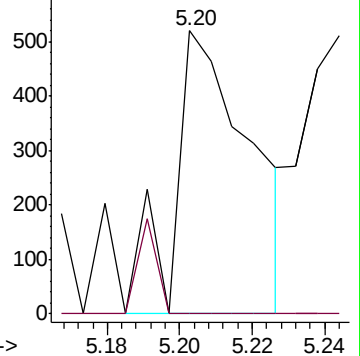
59 100

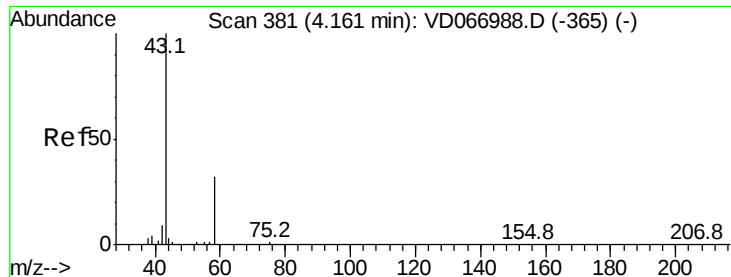
57 8.1 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.288 ug/l

RT: 4.14 min Scan# 378

Delta R.T. -0.02 min

Lab File: VD067046.D

Acq: 02 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

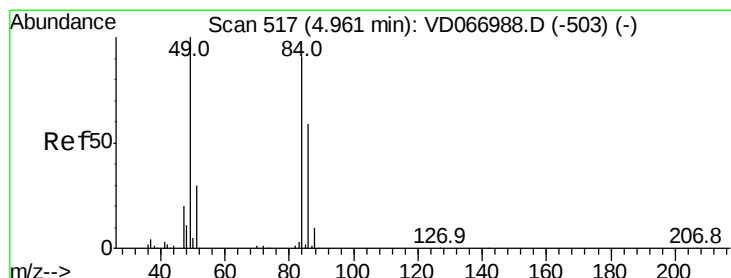
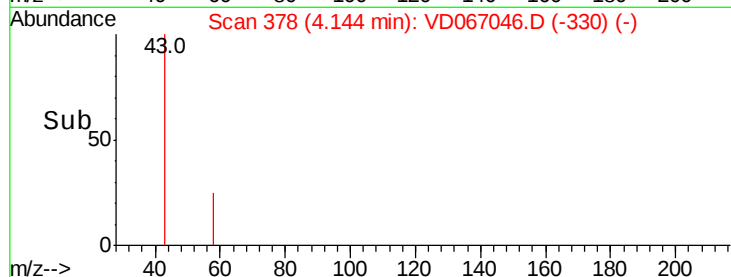
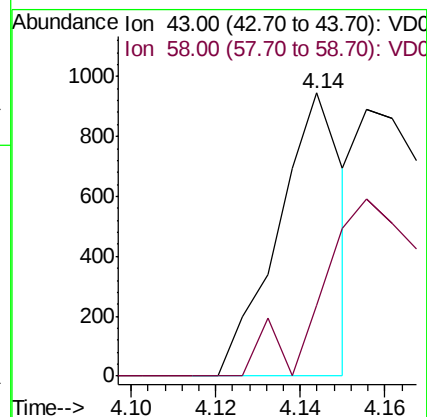
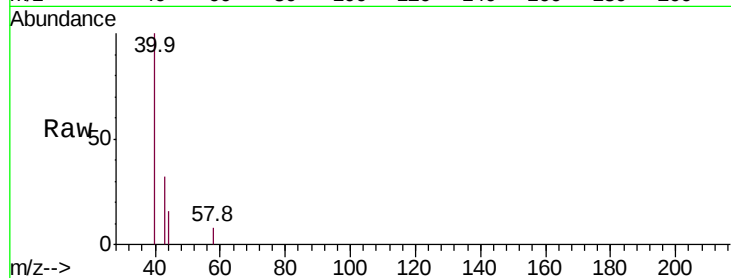
BU-03-093020

Tot Ion: 43 Resp: 1012

Ion Ratio Lower Upper

43 100

58 25.2 25.9 38.9#



#20

Methylene Chloride

Concen: 4.857 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067046.D

Acq: 02 Oct 2020 20:04

Tgt Ion: 84 Resp: 63726

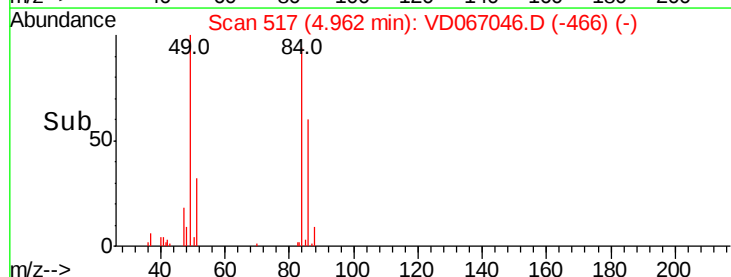
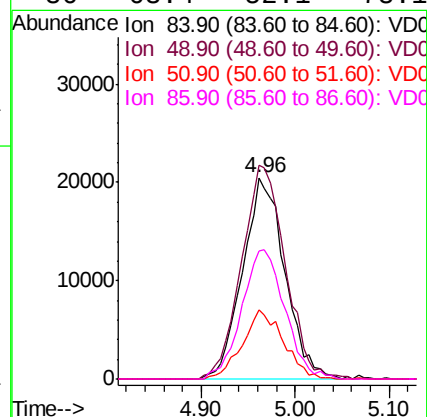
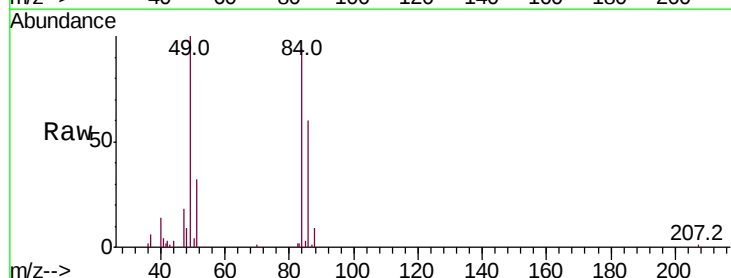
Ion Ratio Lower Upper

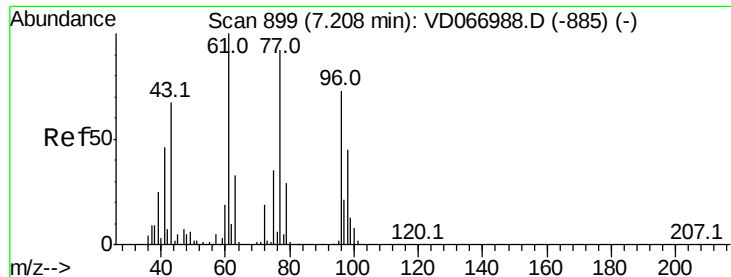
84 100

49 106.0 88.2 132.2

51 34.1 26.6 39.8

86 63.4 52.1 78.1

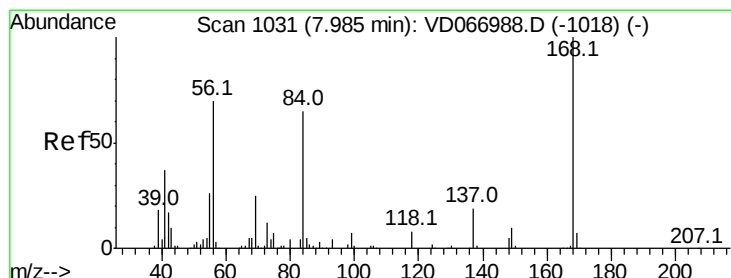
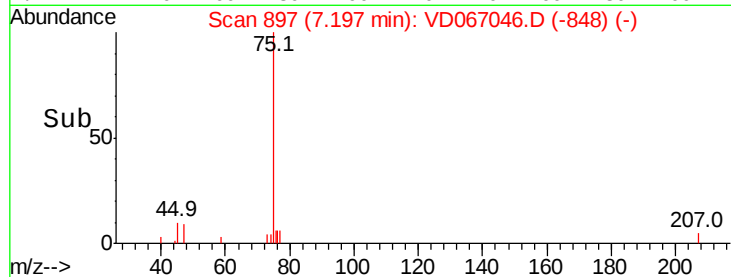
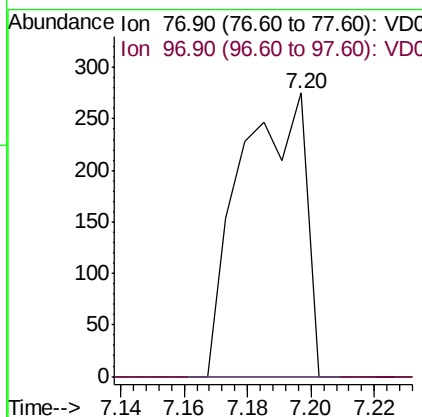
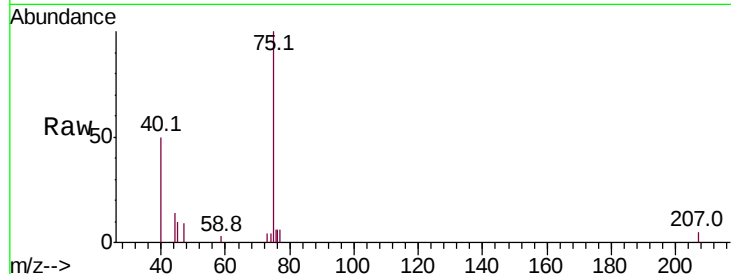




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067046.D
Acq: 02 Oct 2020 20:04

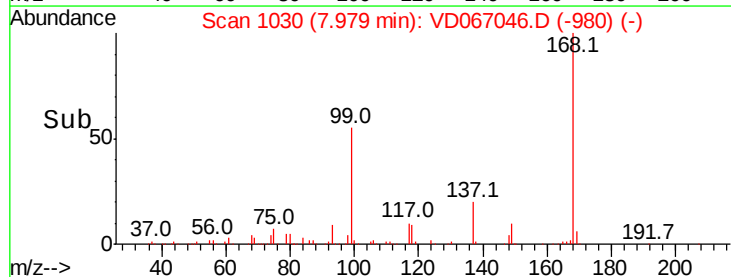
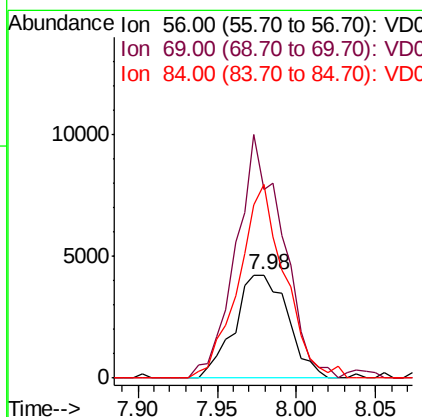
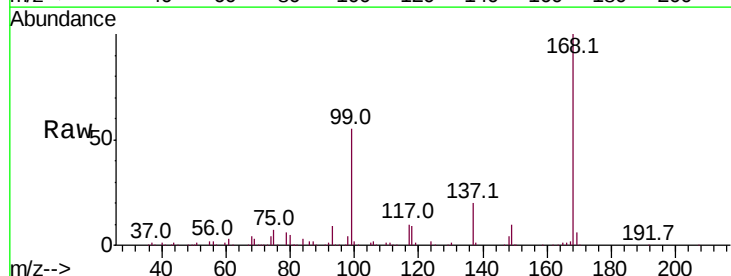
Instrument :
MSVOA_D
ClientSampleId :
BU-03-093020

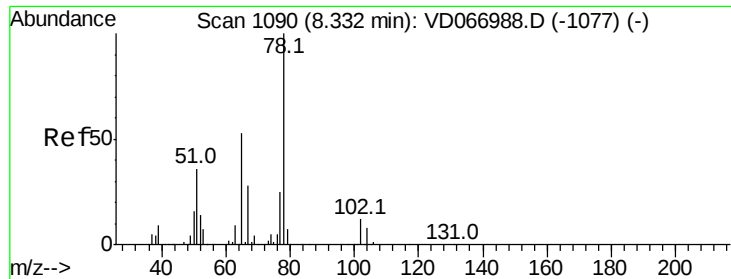
Tot Ion: 77 Resp: 393
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.278 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067046.D
Acq: 02 Oct 2020 20:04

Tgt Ion: 56 Resp: 9886
Ion Ratio Lower Upper
56 100
69 182.8 29.0 43.6#
84 187.9 74.2 111.2#

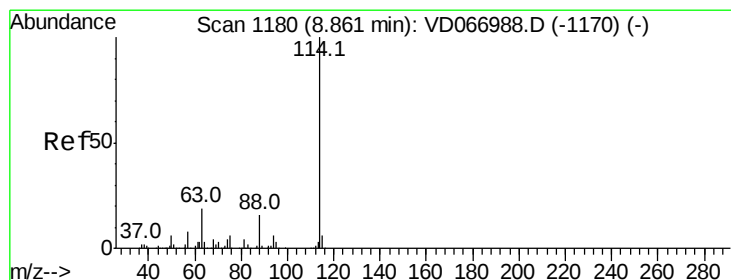
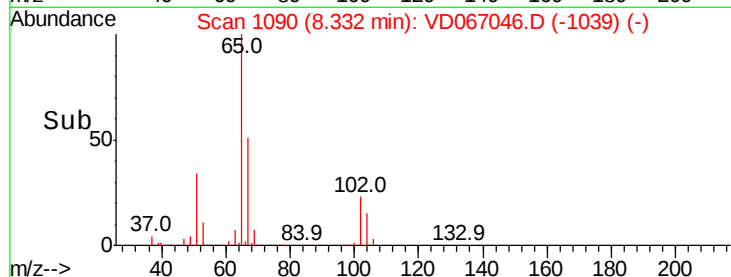
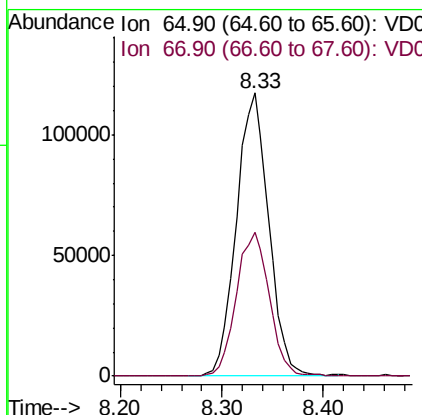
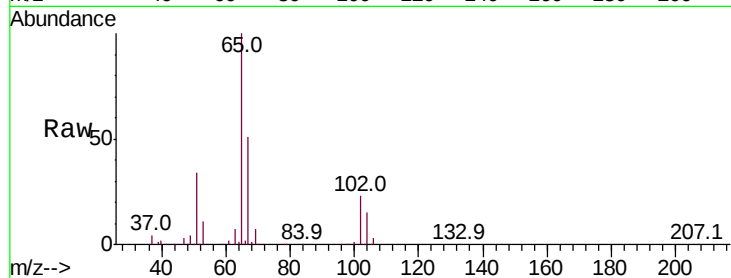




#33
 1,2-Dichloroethane-d4
 Concen: 50.439 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067046.D
 Acq: 02 Oct 2020 20:04

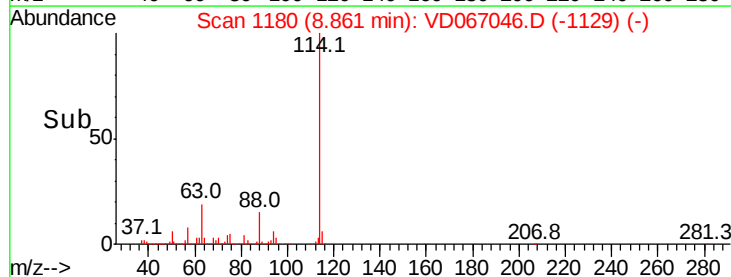
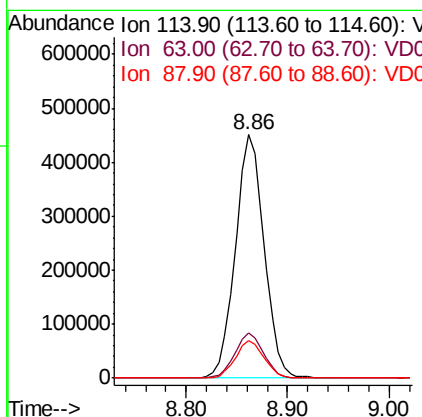
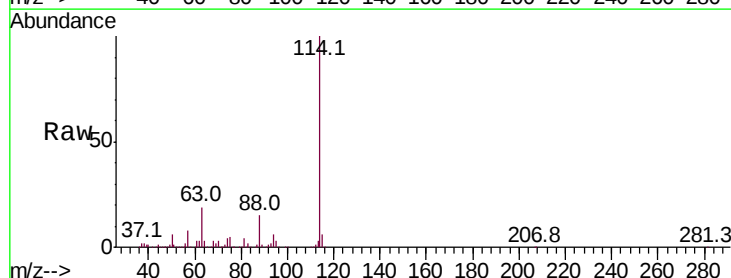
Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-093020

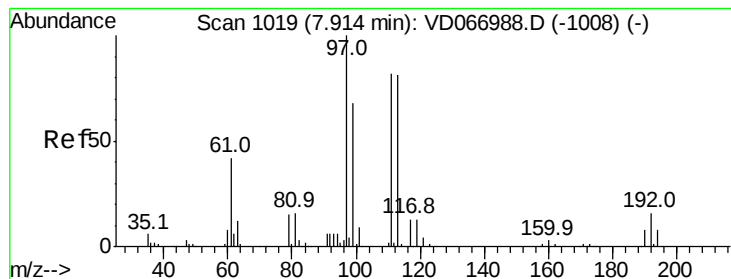
Tot Ion: 65 Resp: 259706
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067046.D
 Acq: 02 Oct 2020 20:04

Tgt Ion: 114 Resp: 886842
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.4
 88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.814 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067046.D

Acq: 02 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

BU-03-093020

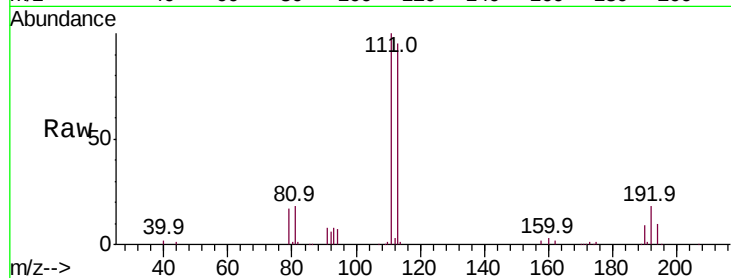
Tot Ion:113 Resp: 283412

Ion Ratio Lower Upper

113 100

111 104.2 83.0 124.4

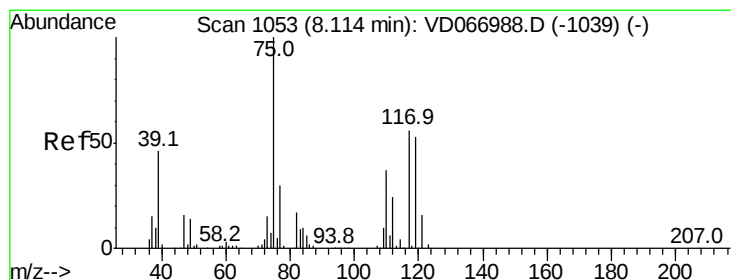
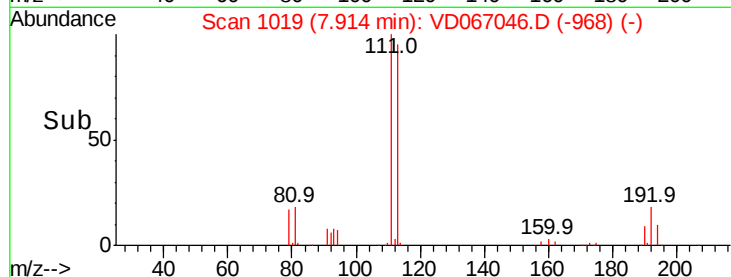
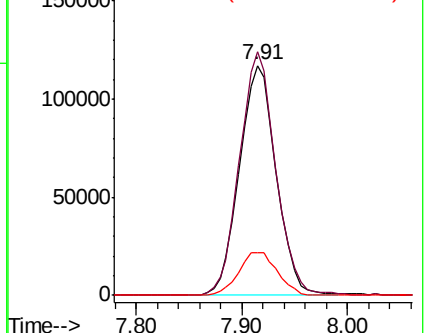
192 19.7 15.5 23.3



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



#36

1,1-Dichloropropene

Concen: 4.915 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067046.D

Acq: 02 Oct 2020 20:04

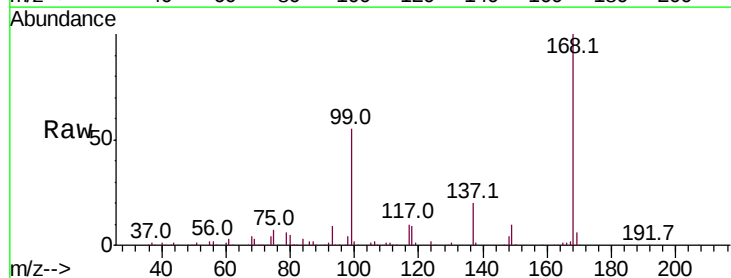
Tgt Ion: 75 Resp: 40633

Ion Ratio Lower Upper

75 100

110 9.9 18.4 55.0#

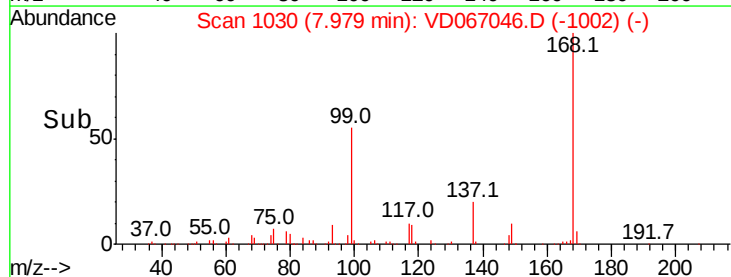
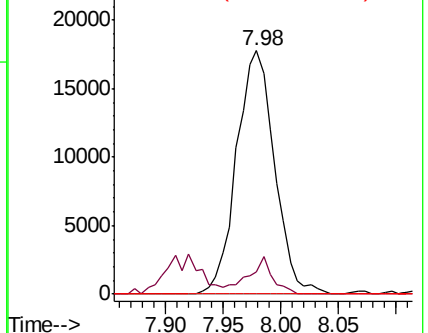
77 0.0 24.8 37.2#

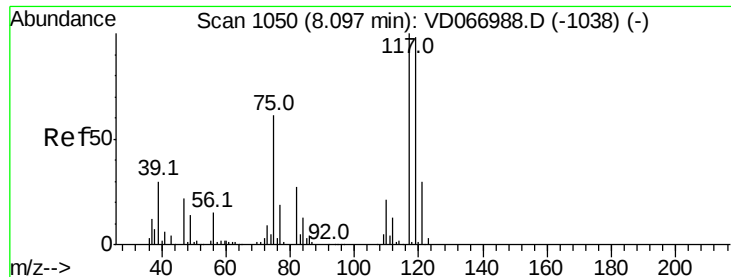


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.062 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067046.D

Acq: 02 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

BU-03-093020

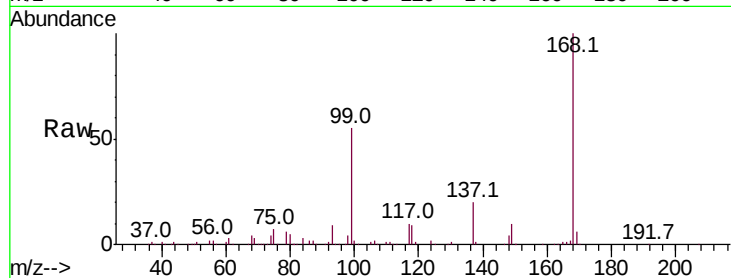
Tot Ion:117 Resp: 54219

Ion Ratio Lower Upper

117 100

119 6.0 78.7 118.1#

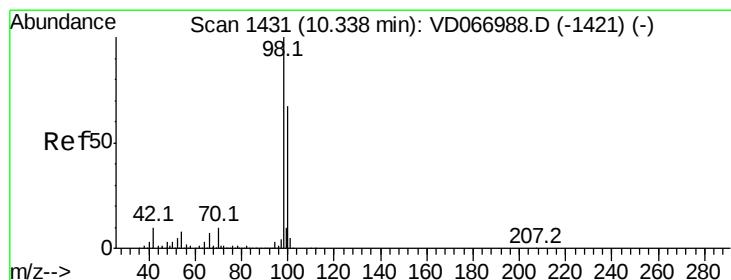
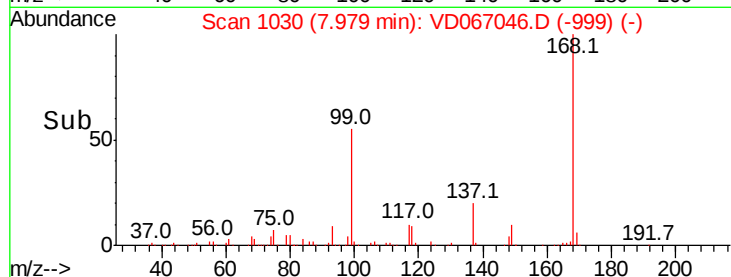
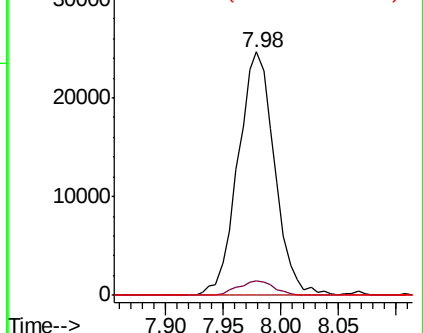
121 0.0 24.2 36.2#



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: 50.158 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067046.D

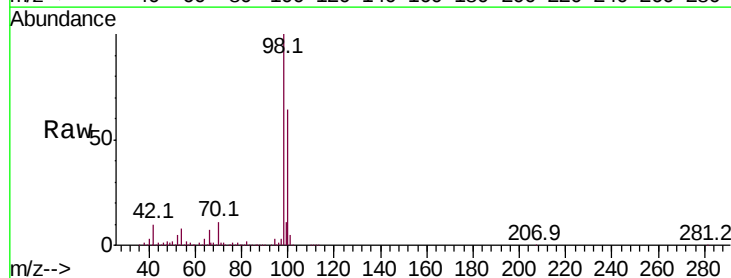
Acq: 02 Oct 2020 20:04

Tgt Ion: 98 Resp: 1061159

Ion Ratio Lower Upper

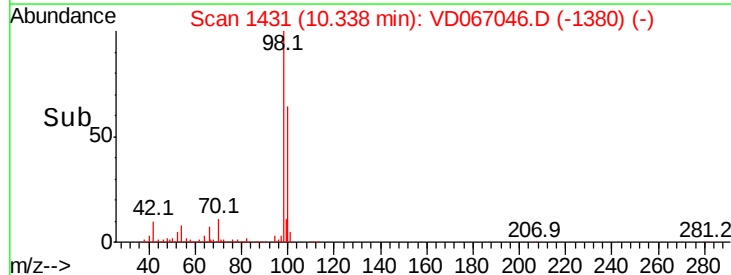
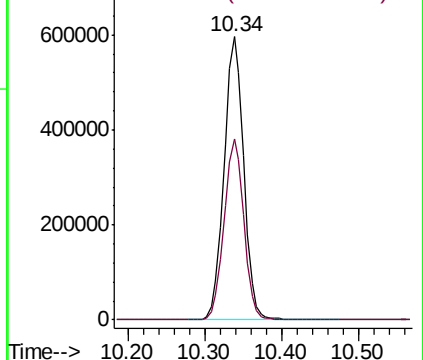
98 100

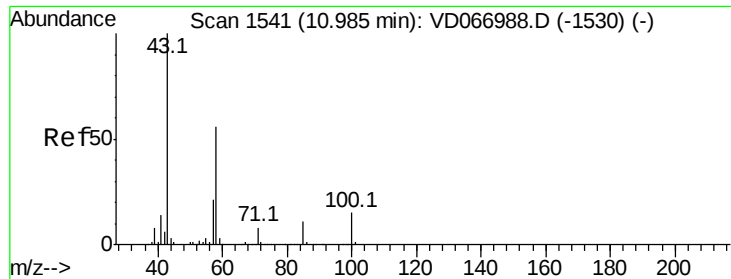
100 64.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

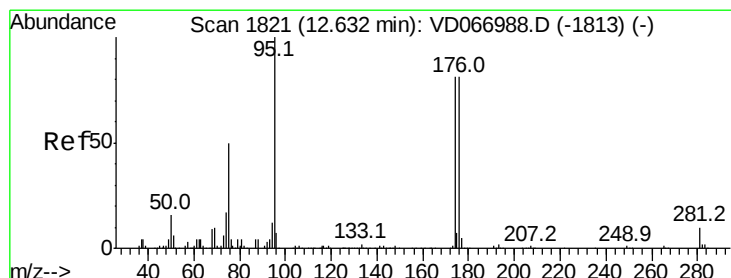
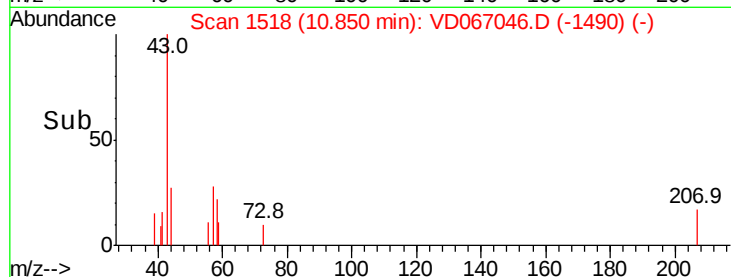
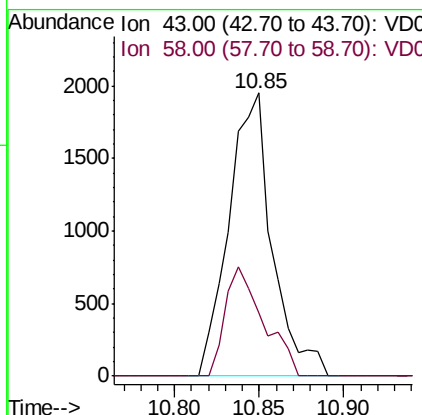
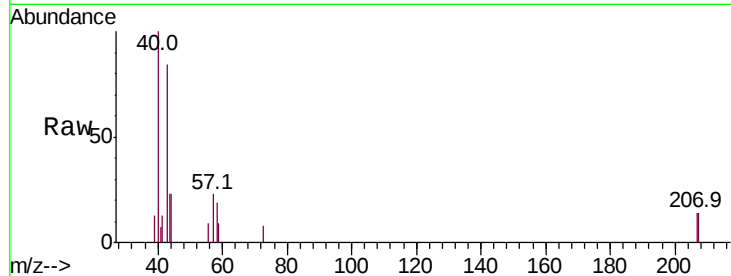




#59
2-Hexanone
Concen: 1.983 ug/l
RT: 10.85 min Scan# 1518
Delta R.T. -0.14 min
Lab File: VD067046.D
Acq: 02 Oct 2020 20:04

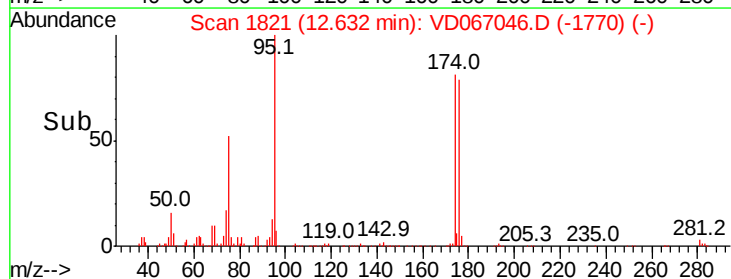
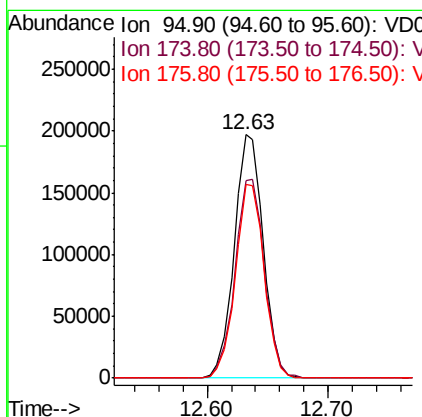
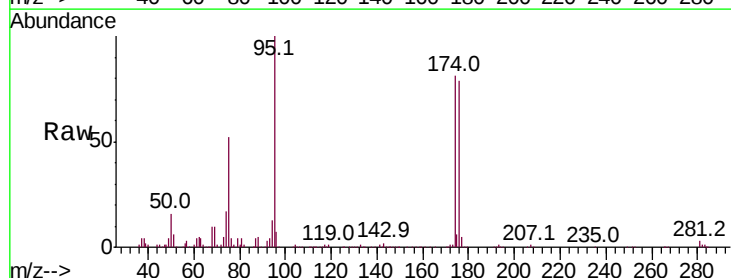
Instrument :
MSVOA_D
ClientSampleId :
BU-03-093020

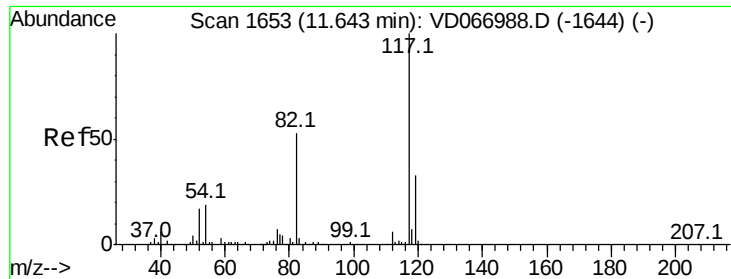
Tot Ion: 43 Resp: 3478
Ion Ratio Lower Upper
43 100
58 34.0 28.3 84.9



#62
4-Bromofluorobenzene
Concen: 45.714 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067046.D
Acq: 02 Oct 2020 20:04

Tgt Ion: 95 Resp: 328321
Ion Ratio Lower Upper
95 100
174 83.4 0.0 167.6
176 79.1 0.0 162.4

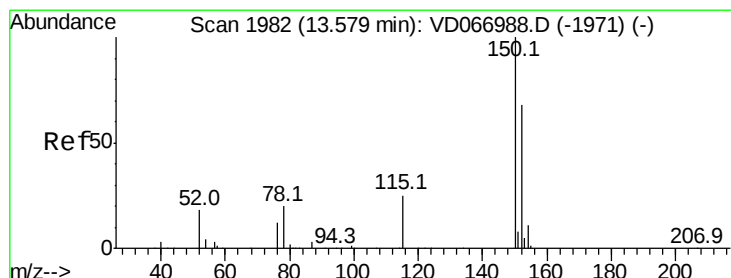
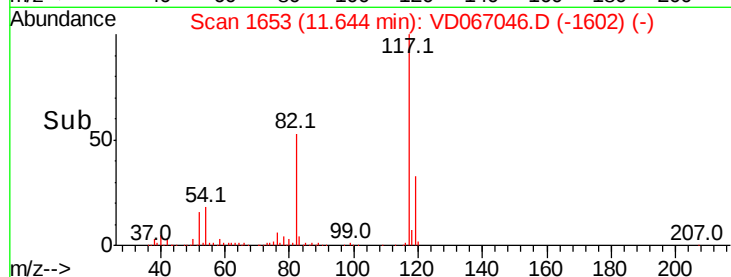
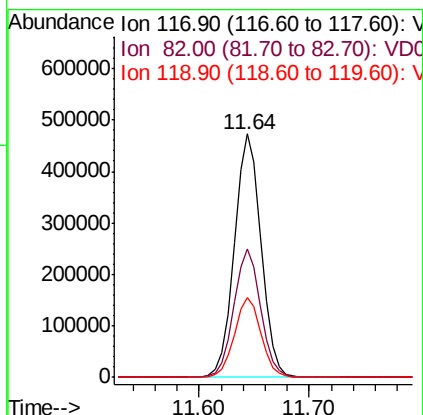
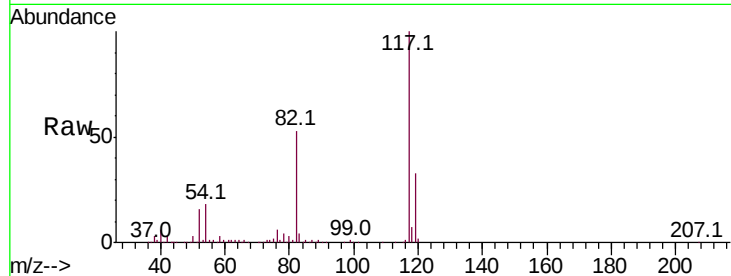




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067046.D
Acq: 02 Oct 2020 20:04

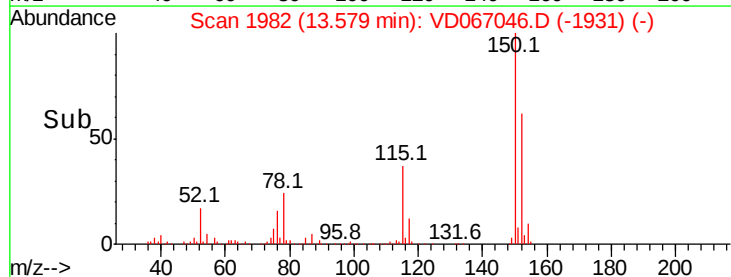
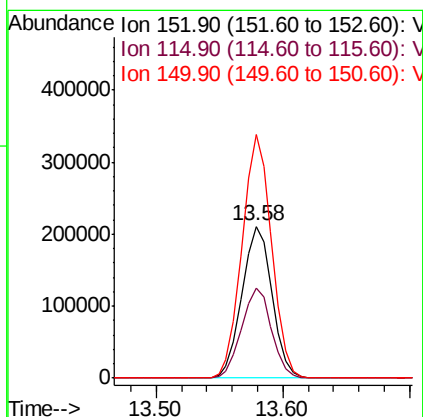
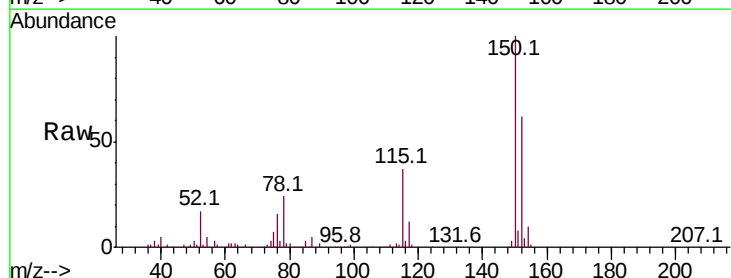
Instrument :
MSVOA_D
ClientSampleId :
BU-03-093020

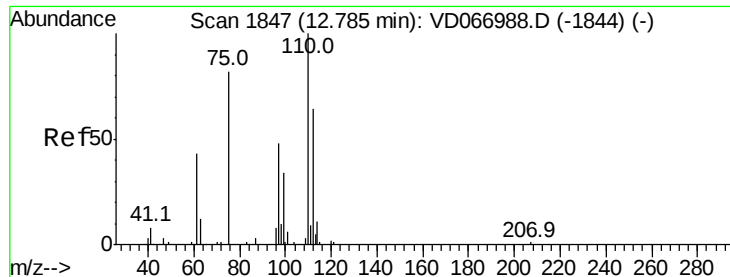
Tot Ion:117 Resp: 801174
Ion Ratio Lower Upper
117 100
82 52.7 42.6 63.8
119 32.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067046.D
Acq: 02 Oct 2020 20:04

Tgt Ion:152 Resp: 346274
Ion Ratio Lower Upper
152 100
115 59.0 29.6 88.8
150 158.0 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 54.379 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067046.D

Acq: 02 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

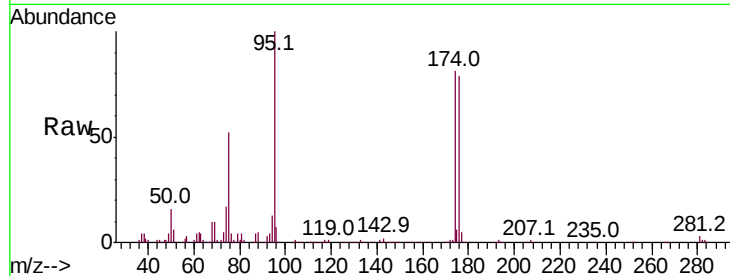
BU-03-093020

Tot Ion: 75 Resp: 164016

Ion Ratio Lower Upper

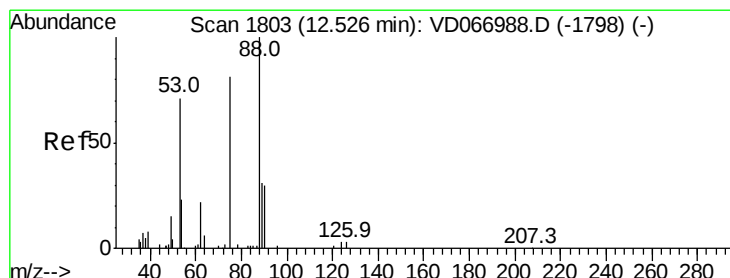
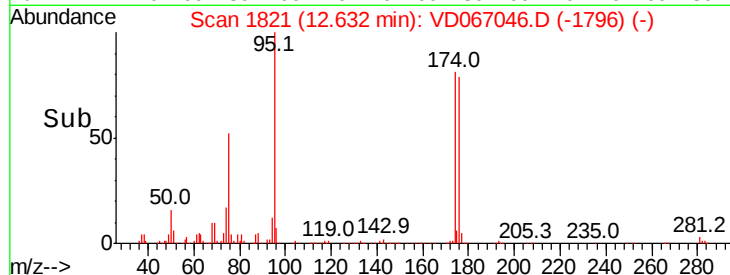
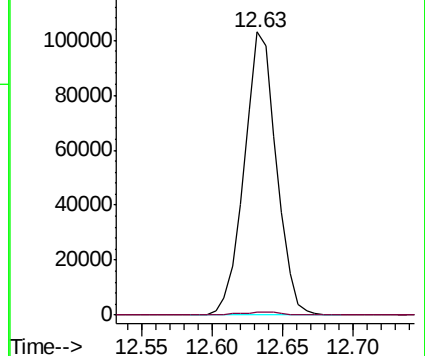
75 100

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: 135.574 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067046.D

Acq: 02 Oct 2020 20:04

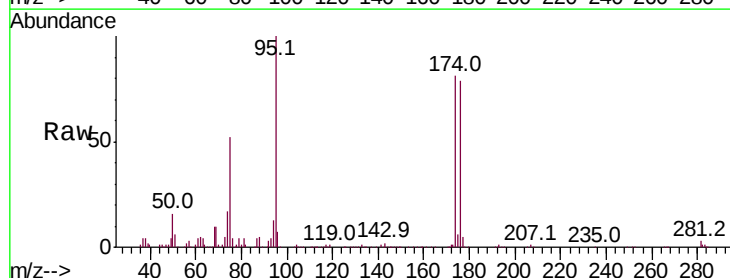
Tgt Ion: 75 Resp: 164016

Ion Ratio Lower Upper

75 100

53 0.1 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

