

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066979.D
 Acq On : 30 Sep 2020 17:43
 Operator : VA/SY
 Sample : L4193-07
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-14(13-14)

Quant Time: Oct 01 00:57:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	486444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	802408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	785093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	364503	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	228159	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
35) Dibromofluoromethane	7.91	113	249097	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.34	98	955883	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
62) 4-Bromofluorobenzene	12.63	95	340782	57.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.46%	

Target Compounds

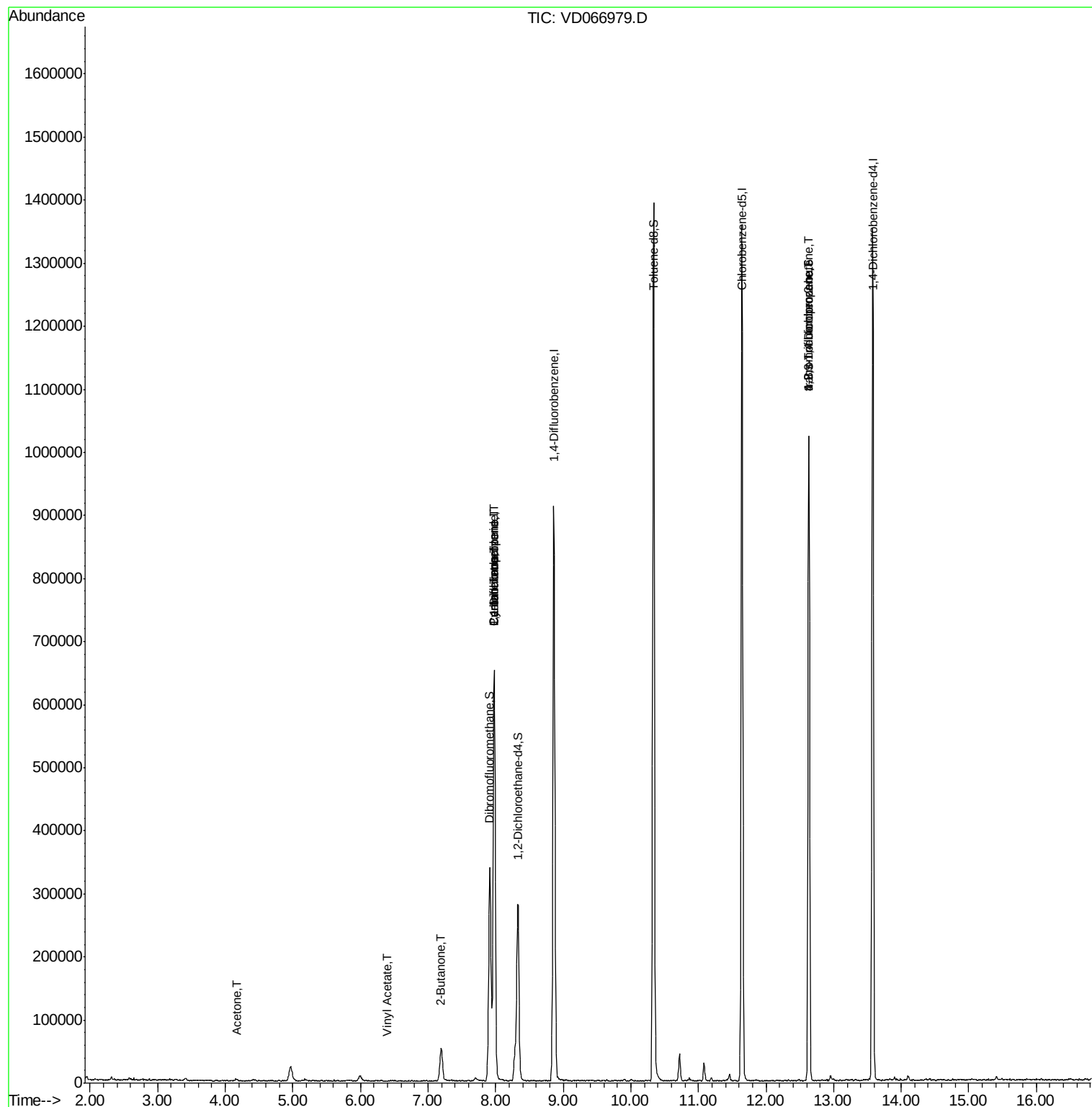
						Qvalue
2) Dichlorodifluoromethane	1.98	85	543	Below Cal	#	46
11) Tert butyl alcohol	5.18	59	1716	Below Cal	#	72
16) Acetone	4.17	43	3618	3.582	ug/l	93
18) Methyl Acetate	4.73	43	82	Below Cal	#	50
20) Methylene Chloride	4.96	84	18632	Below Cal	#	81
23) Vinyl Acetate	6.39	43	61	2.680	ug/l #	71
25) 2-Butanone	7.18	43	1834	1.511	ug/l #	46
31) Cyclohexane	7.97	56	10145	1.172	ug/l #	9
36) 1,1-Dichloropropene	7.98	75	38993	4.898	ug/l #	51
38) Carbon Tetrachloride	7.97	117	49981	5.743	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	172837	57.217	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	172837	143.153	ug/l #	10

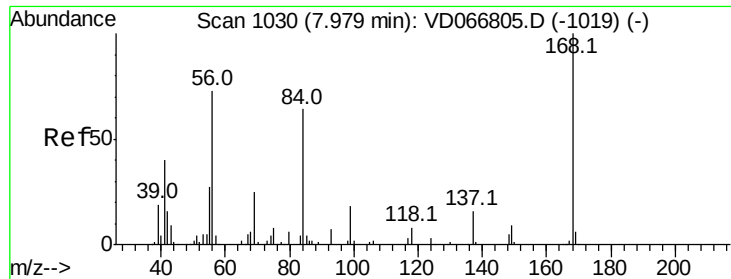
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD093020\
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Quant Time: Oct 01 00:57:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 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: VD066979.D

Acq: 30 Sep 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

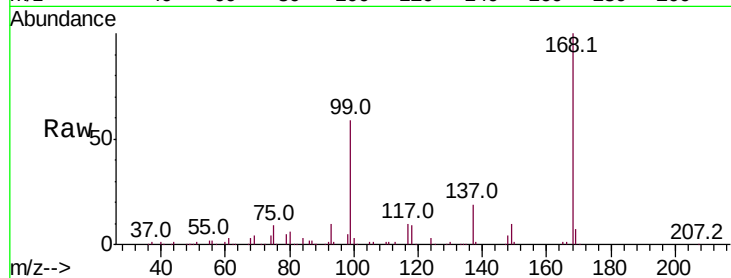
B-14(13-14)

Tot Ion:168 Resp: 486444

Ion Ratio Lower Upper

168 100

99 59.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

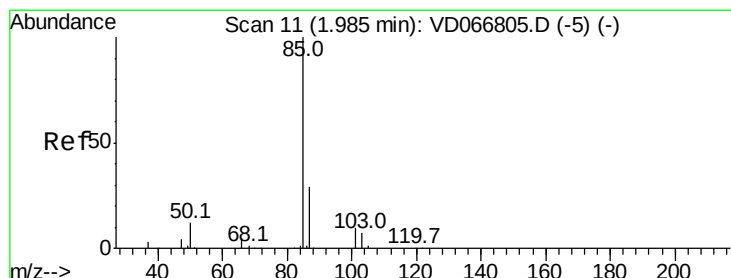
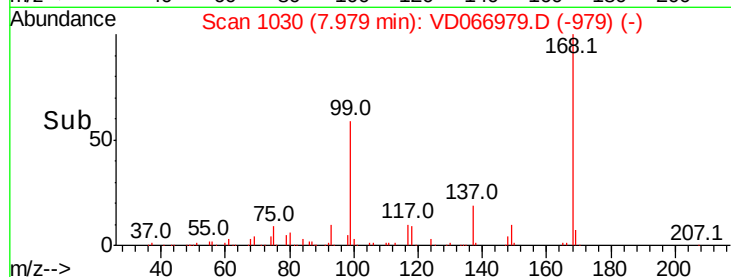
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066979.D

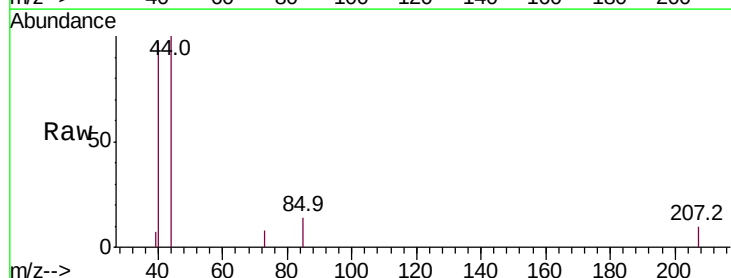
Acq: 30 Sep 2020 17:43

Tgt Ion: 85 Resp: 543

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

400

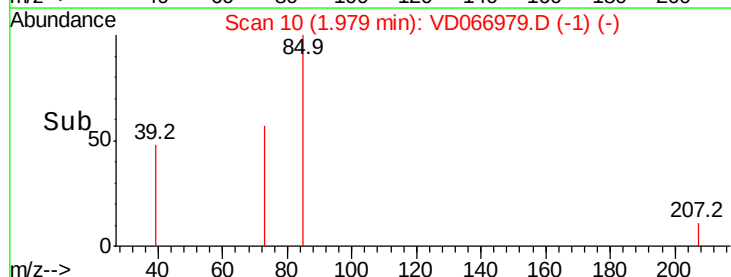
300

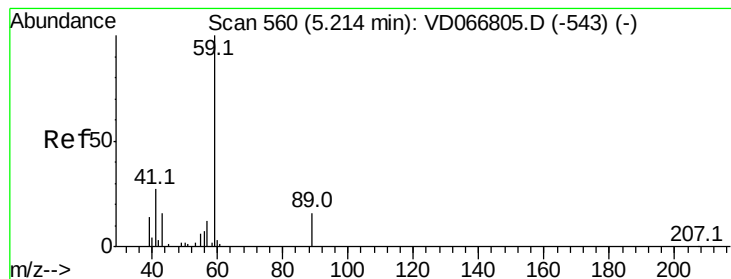
200

100

0

Time-->



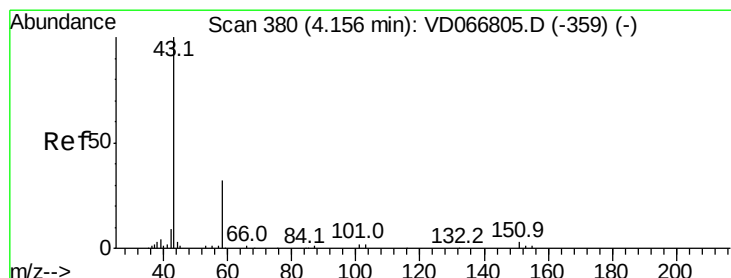
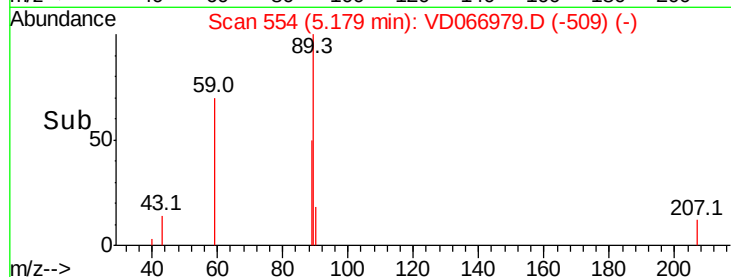
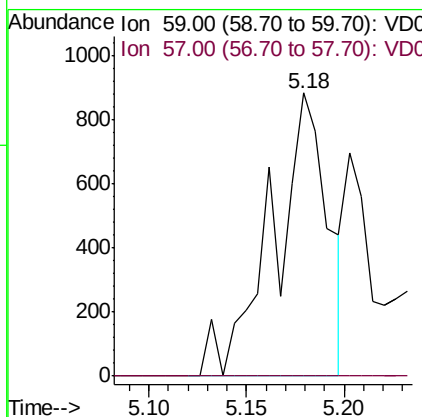
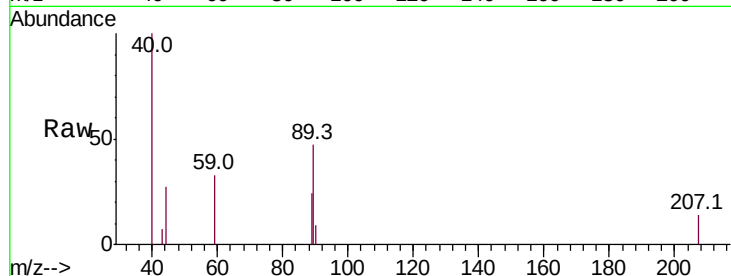


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 554
 Delta R.T. -0.03 min
 Lab File: VD066979.D
 Acq: 30 Sep 2020 17:43

Instrument :
 MSVOA_D
 ClientSampleId :
 B-14(13-14)

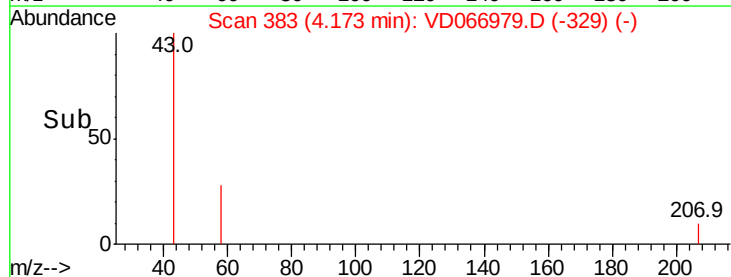
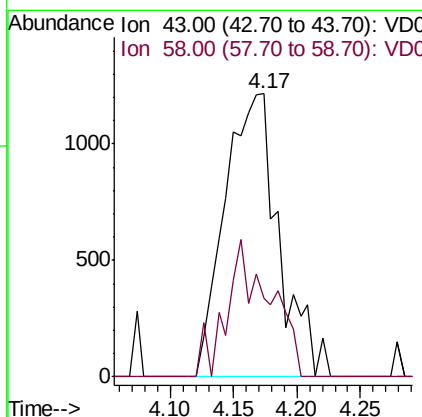
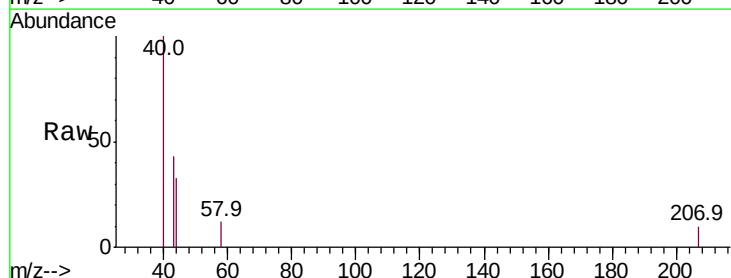
Tot Ion: 59 Resp: 1716
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

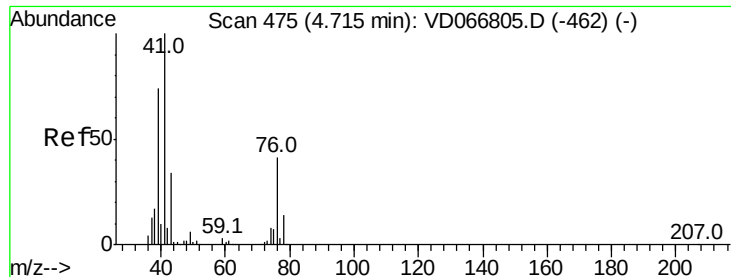


#16

Acetone
 Concen: 3.582 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VD066979.D
 Acq: 30 Sep 2020 17:43

Tgt Ion: 43 Resp: 3618
 Ion Ratio Lower Upper
 43 100
 58 28.0 25.6 38.4

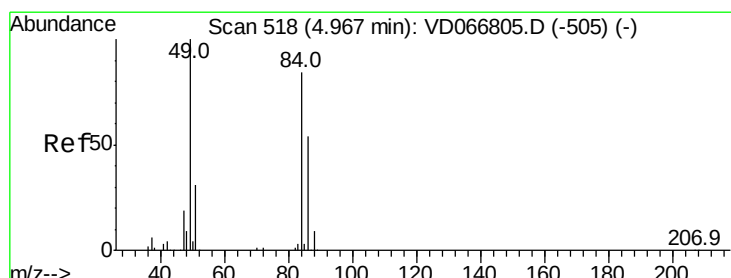
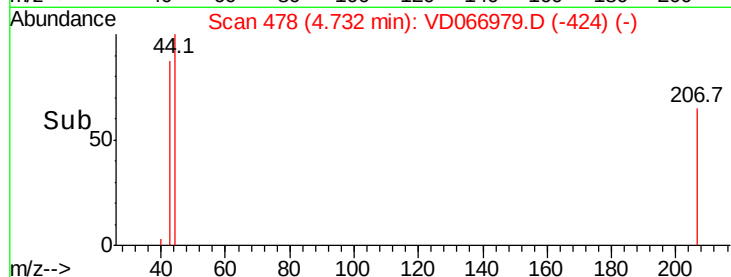
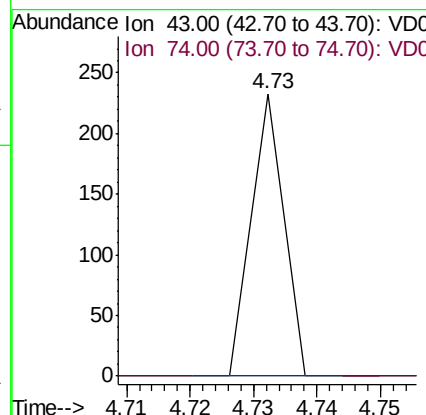
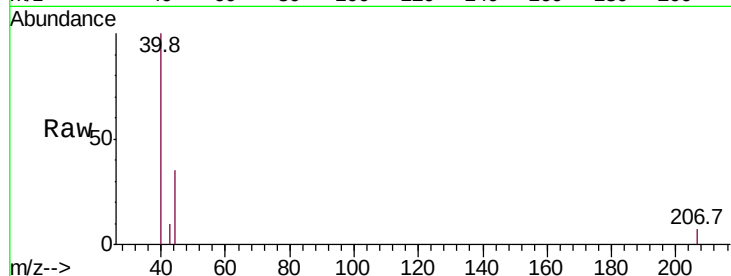




#18
Methvl Acetate
Concen: Below Cal
RT: 4.73 min Scan# 478
Delta R.T. 0.02 min
Lab File: VD066979.D
Acq: 30 Sep 2020 17:43

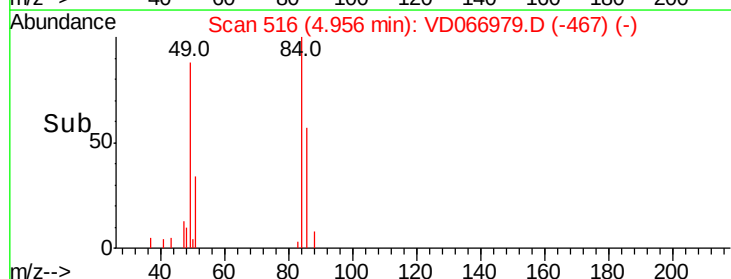
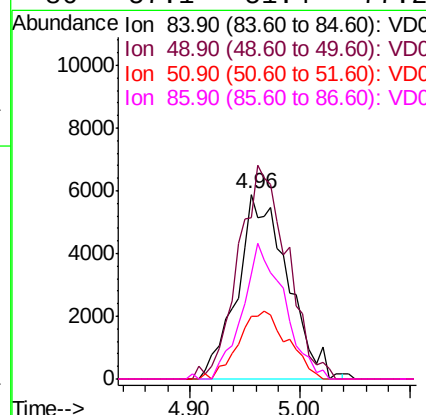
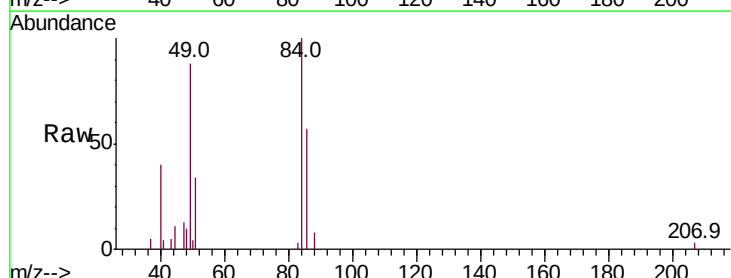
Instrument :
MSVOA_D
ClientSampleId :
B-14(13-14)

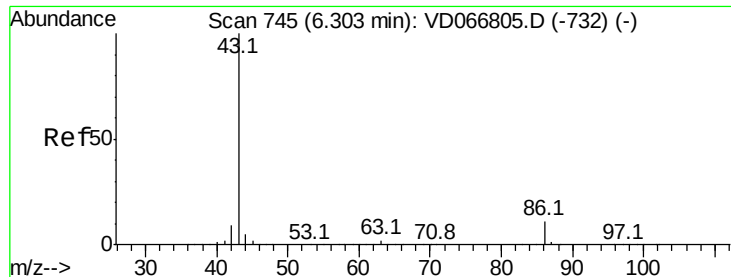
Tot Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066979.D
Acq: 30 Sep 2020 17:43

Tgt Ion: 84 Resp: 18632
Ion Ratio Lower Upper
84 100
49 87.5 95.4 143.2#
51 34.1 29.7 44.5
86 57.1 51.4 77.2





#23

Vinyl Acetate

Concen: 2.680 ug/l

RT: 6.39 min Scan# 760

Delta R.T. 0.09 min

Lab File: VD066979.D

Acq: 30 Sep 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

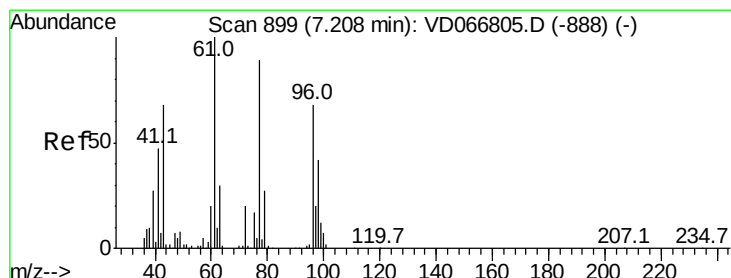
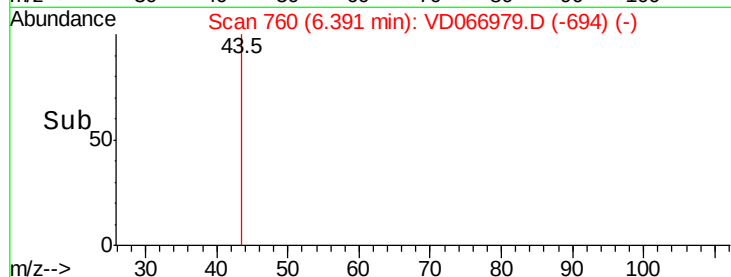
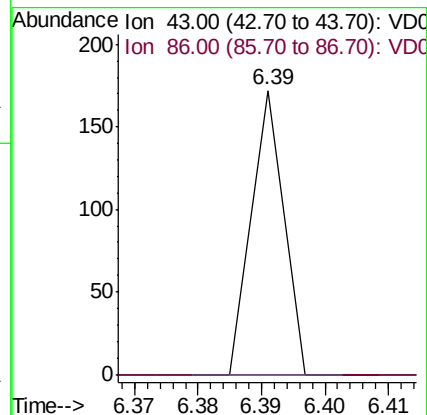
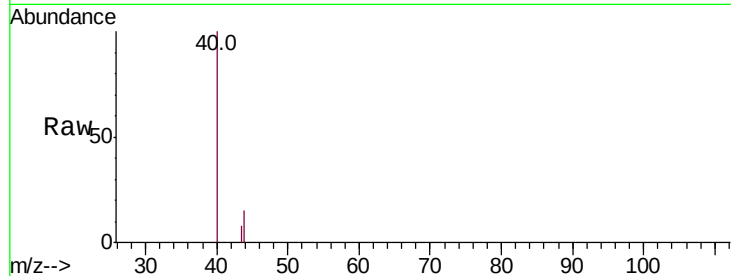
B-14(13-14)

Tot Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

86 0.0 8.9 13.3#



#25

2-Butanone

Concen: 1.511 ug/l

RT: 7.18 min Scan# 895

Delta R.T. -0.02 min

Lab File: VD066979.D

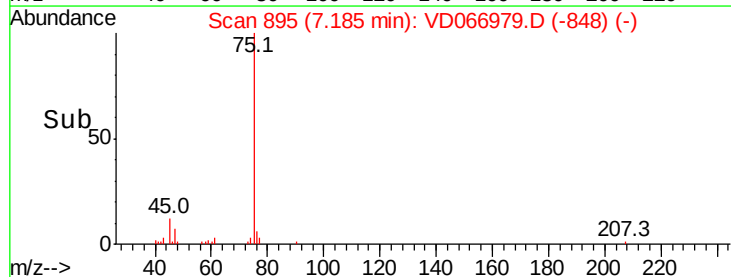
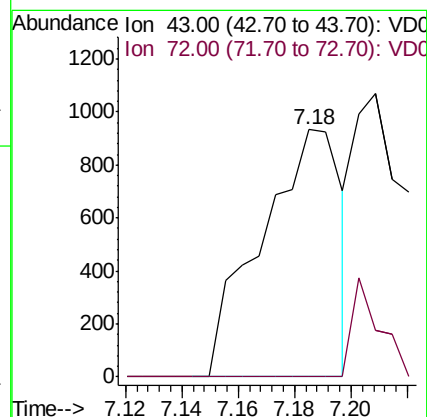
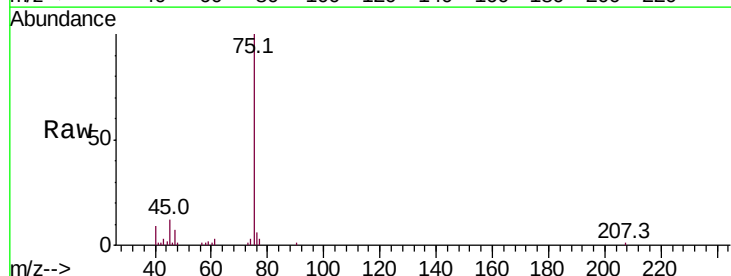
Acq: 30 Sep 2020 17:43

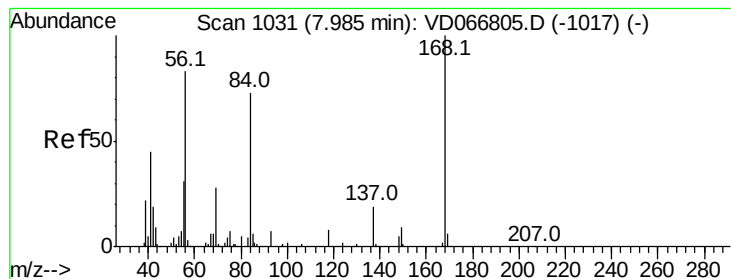
Tgt Ion: 43 Resp: 1834

Ion Ratio Lower Upper

43 100

72 0.0 22.9 34.3#





#31

Cyclohexane

Concen: 1.172 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066979.D

Acq: 30 Sep 2020 17:43

Instrument :

MSVOA_D

ClientSampleID :

B-14(13-14)

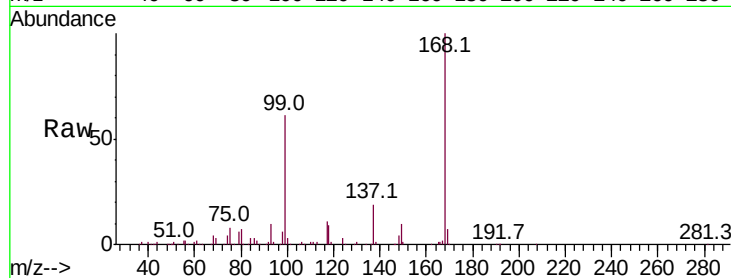
Tot Ion: 56 Resp: 10145

Ion Ratio Lower Upper

56 100

69 141.9 27.0 40.4#

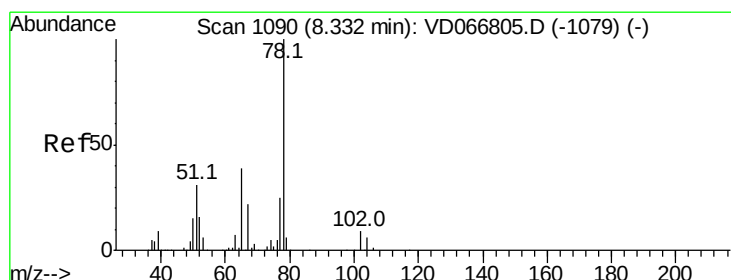
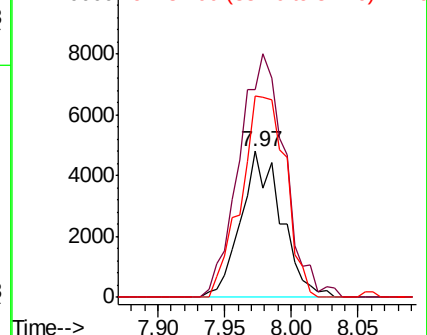
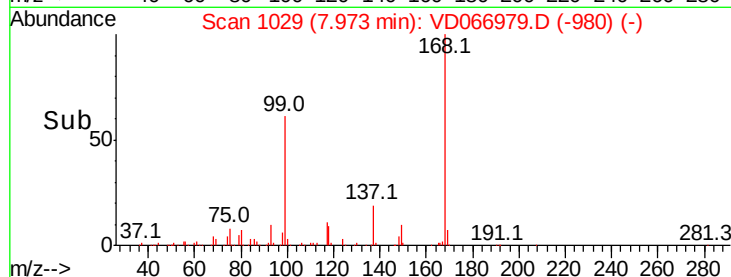
84 137.4 70.2 105.4#



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: 47.921 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066979.D

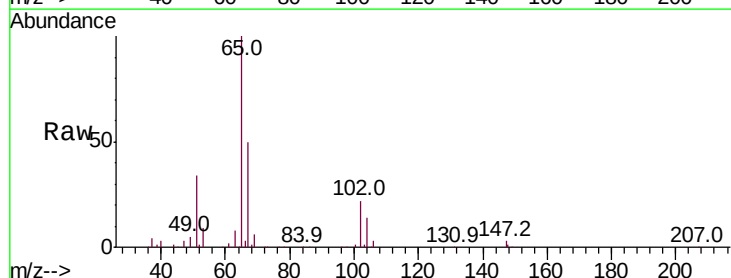
Acq: 30 Sep 2020 17:43

Tgt Ion: 65 Resp: 228159

Ion Ratio Lower Upper

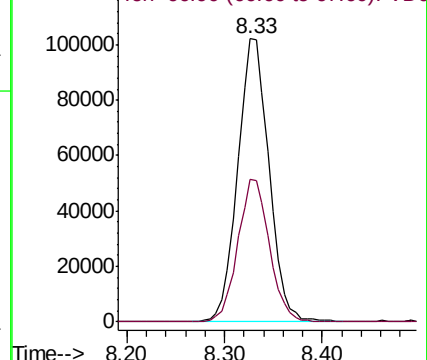
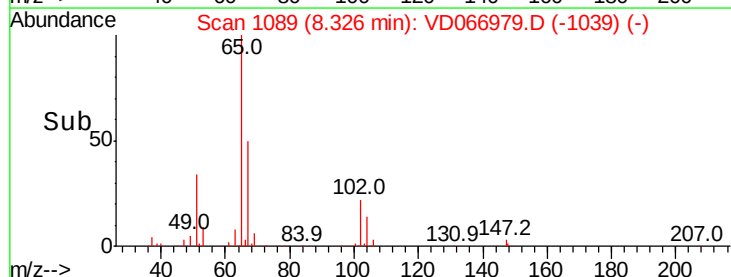
65 100

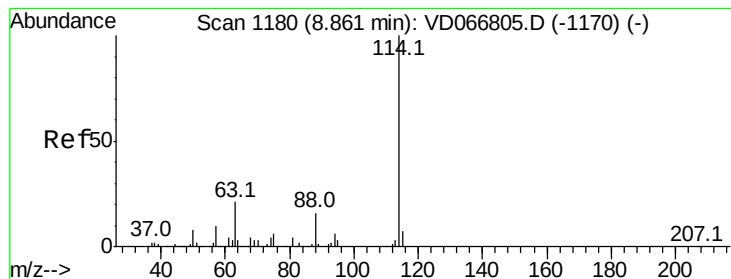
67 50.8 0.0 107.2



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: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066979.D

Acq: 30 Sep 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

B-14(13-14)

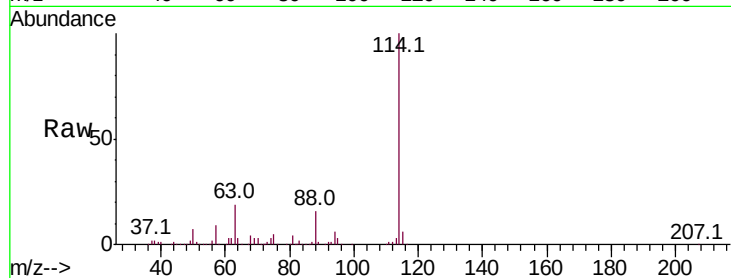
Tot Ion:114 Resp: 802408

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.6

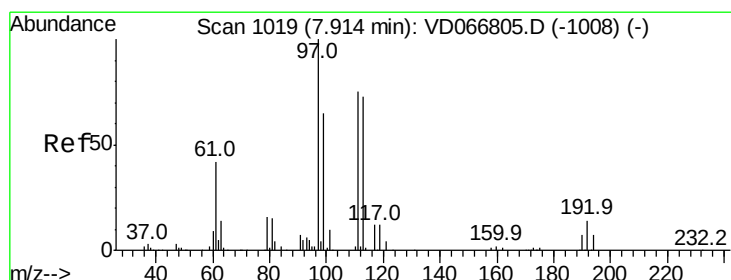
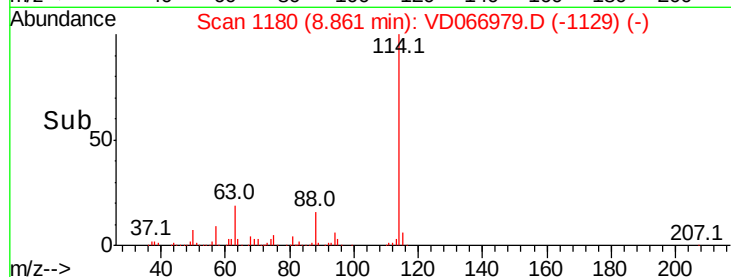
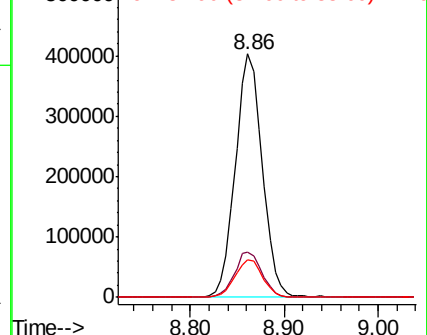
88 15.5 0.0 32.6



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: 48.795 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066979.D

Acq: 30 Sep 2020 17:43

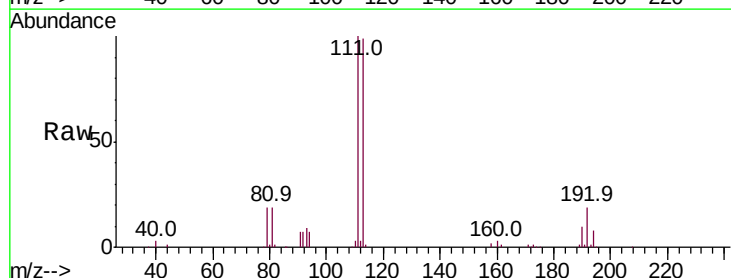
Tgt Ion:113 Resp: 249097

Ion Ratio Lower Upper

113 100

111 104.6 81.8 122.8

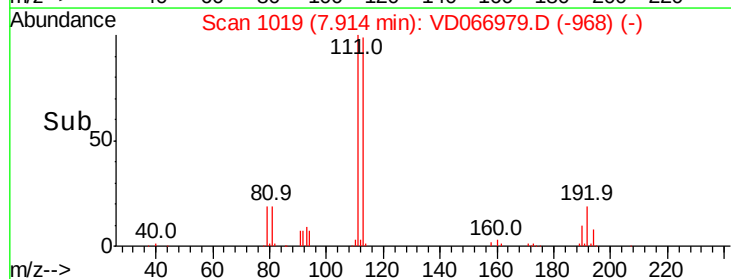
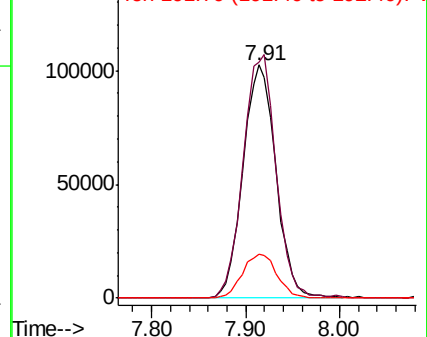
192 19.8 14.4 21.6

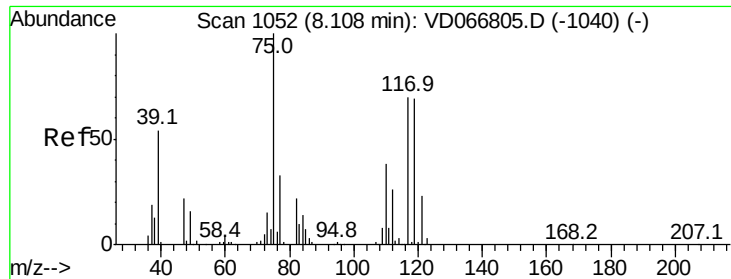


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.898 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066979.D

Acq: 30 Sep 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

B-14(13-14)

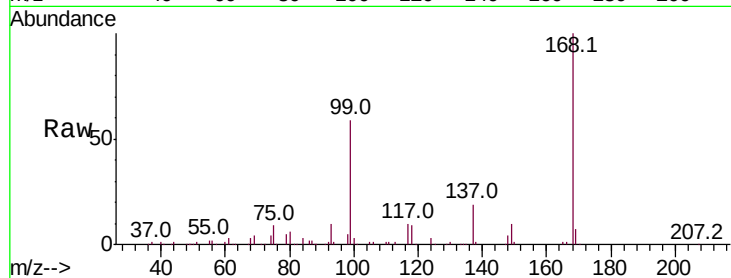
Tot Ion: 75 Resp: 38993

Ion Ratio Lower Upper

75 100

110 10.4 17.9 53.8#

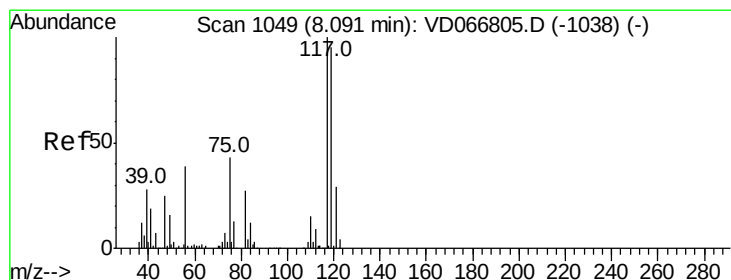
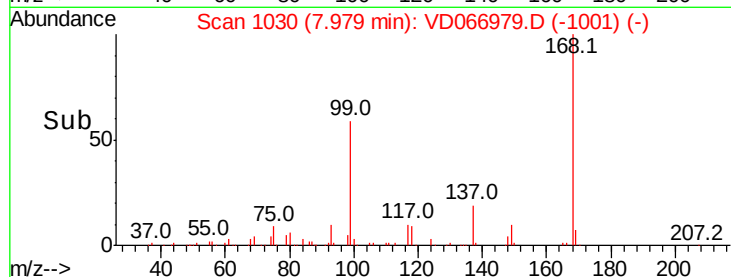
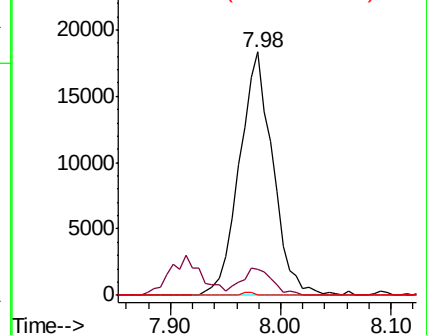
77 0.3 25.0 37.6#



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: 5.743 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066979.D

Acq: 30 Sep 2020 17:43

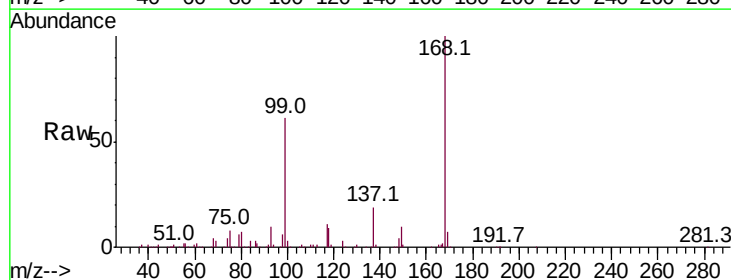
Tgt Ion: 117 Resp: 49981

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

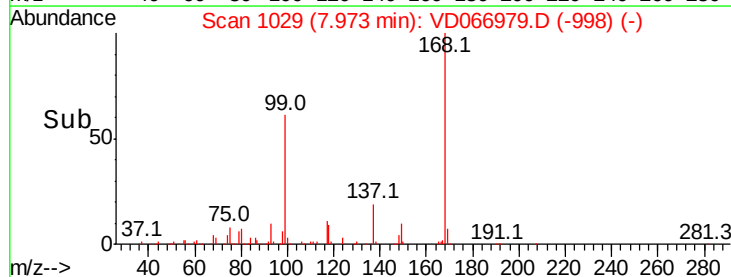
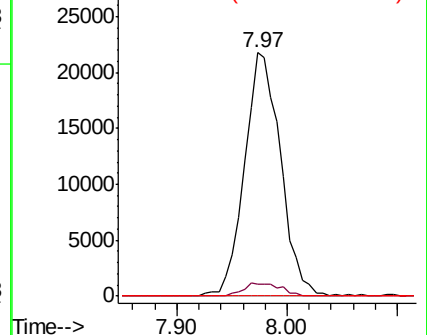
121 0.0 23.4 35.0#

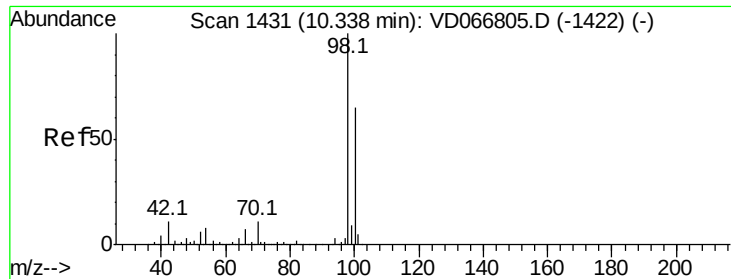


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

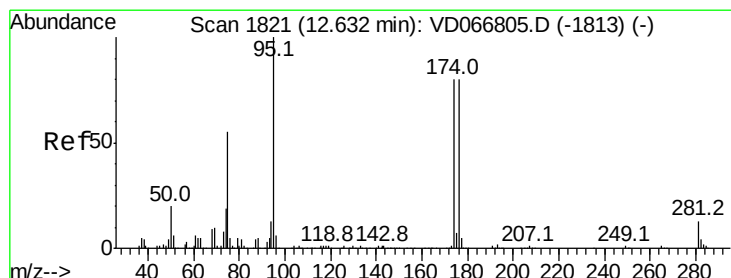
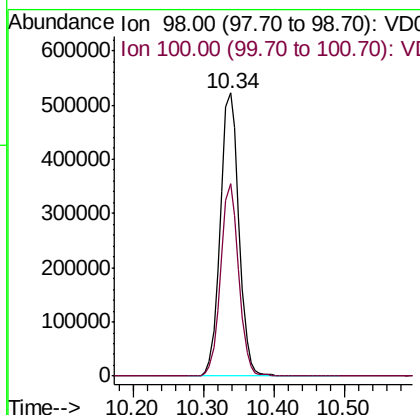
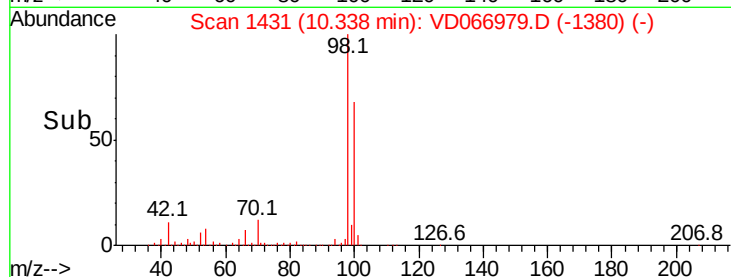
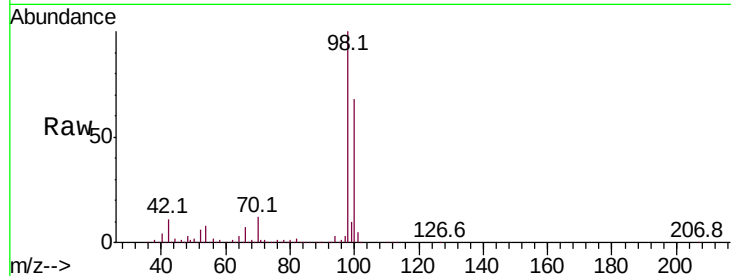




#50
Toluene-d8
Concen: 54.957 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066979.D
Acq: 30 Sep 2020 17:43

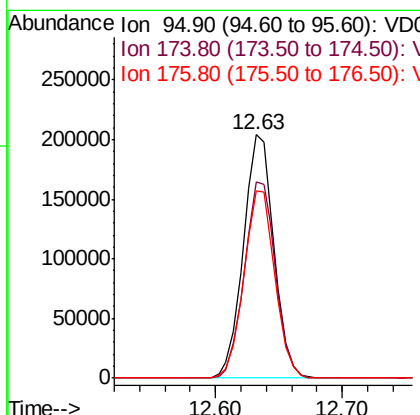
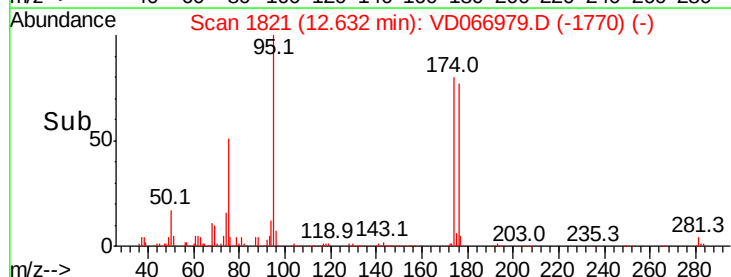
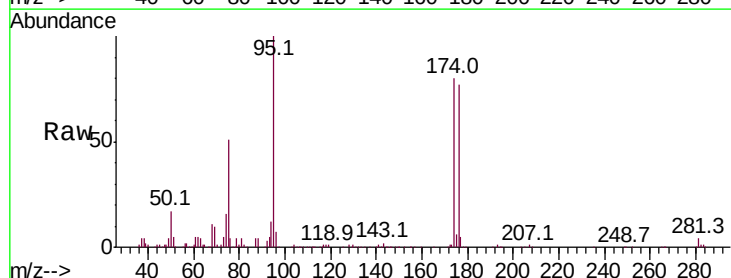
Instrument :
MSVOA_D
ClientSampleId :
B-14(13-14)

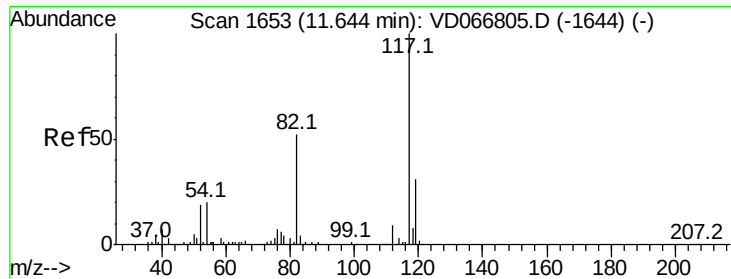
Tot Ion: 98 Resp: 955883
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 57.232 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066979.D
Acq: 30 Sep 2020 17:43

Tgt Ion: 95 Resp: 340782
Ion Ratio Lower Upper
95 100
174 82.3 0.0 159.8
176 78.1 0.0 154.4

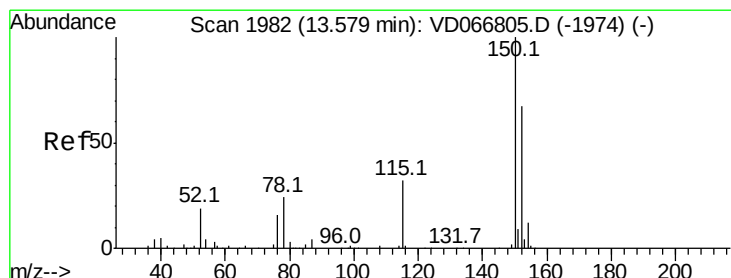
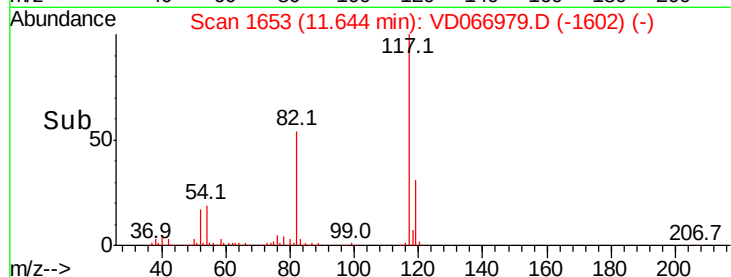
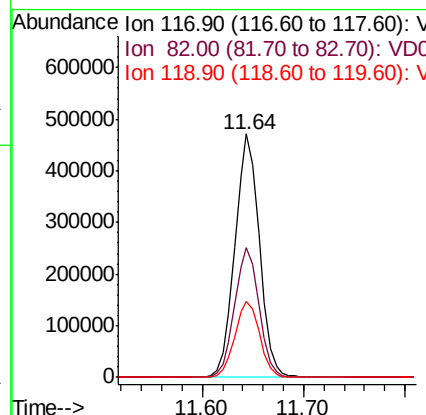
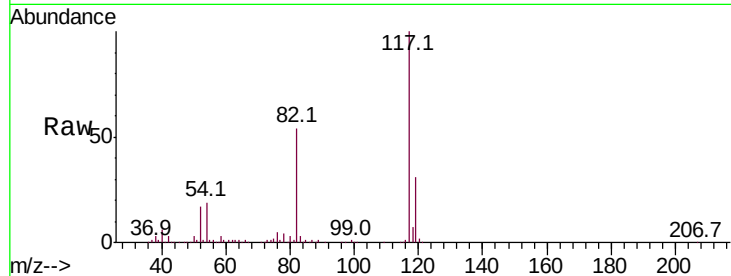




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066979.D
Acq: 30 Sep 2020 17:43

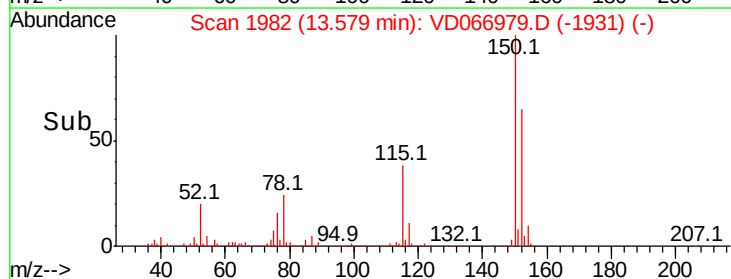
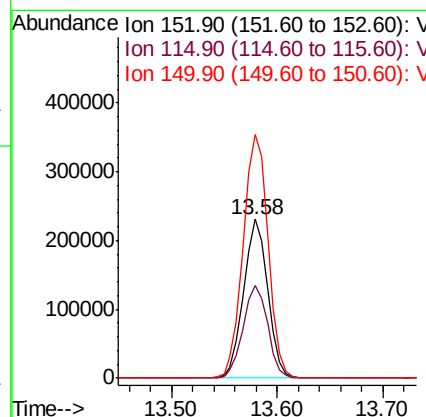
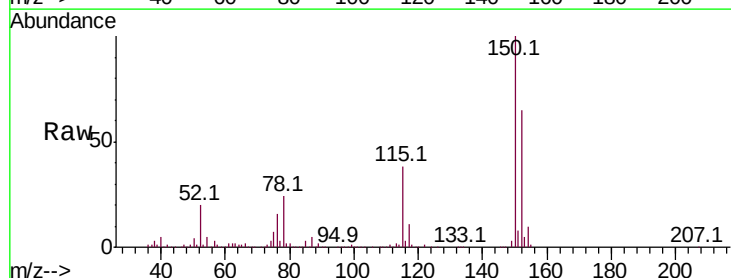
Instrument :
MSVOA_D
ClientSampleId :
B-14(13-14)

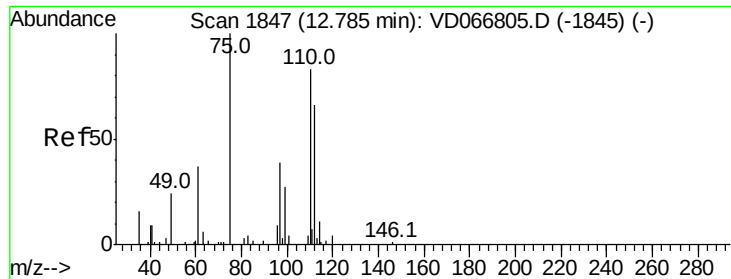
Tot Ion:117 Resp: 785093
Ion Ratio Lower Upper
117 100
82 53.5 41.8 62.6
119 31.4 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066979.D
Acq: 30 Sep 2020 17:43

Tgt Ion:152 Resp: 364503
Ion Ratio Lower Upper
152 100
115 59.5 30.3 91.0
150 157.7 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 57.217 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066979.D

Acq: 30 Sep 2020 17:43

Instrument :

MSVOA_D

ClientSampleId :

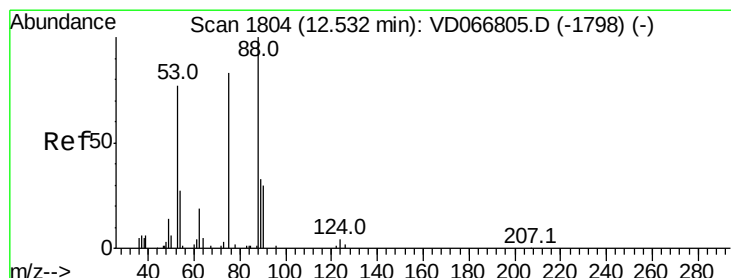
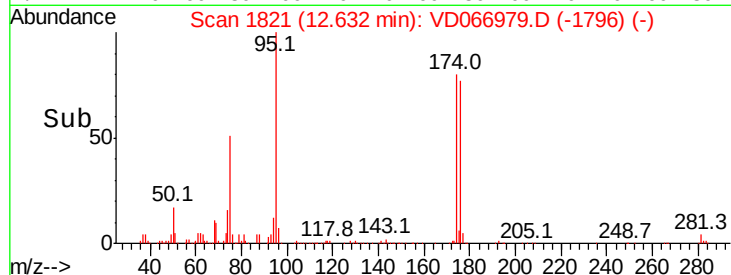
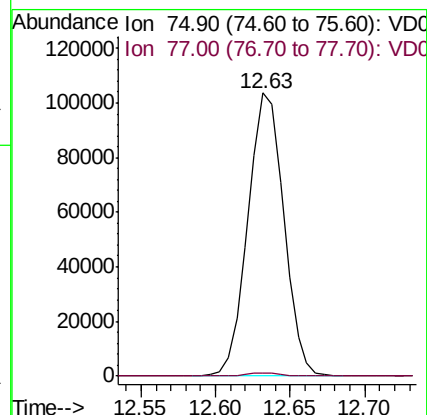
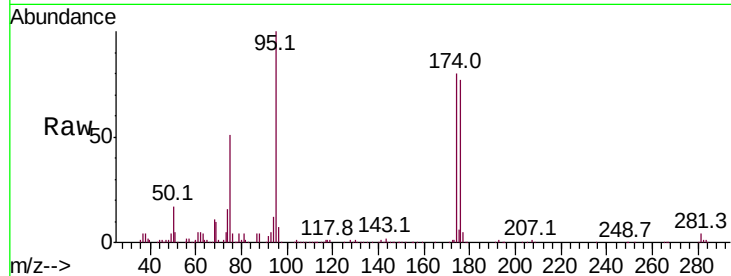
B-14(13-14)

Tot Ion: 75 Resp: 172837

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.153 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066979.D

Acq: 30 Sep 2020 17:43

Tgt Ion: 75 Resp: 172837

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 38.1 57.1#

