

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066940.D
 Acq On : 29 Sep 2020 15:52
 Operator : VA/SY
 Sample : L4172-09
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-7(9-11)

Quant Time: Sep 30 02:36:56 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	7.97	168	55339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	91918	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	121868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	68857	50.00	ug/l	0.00

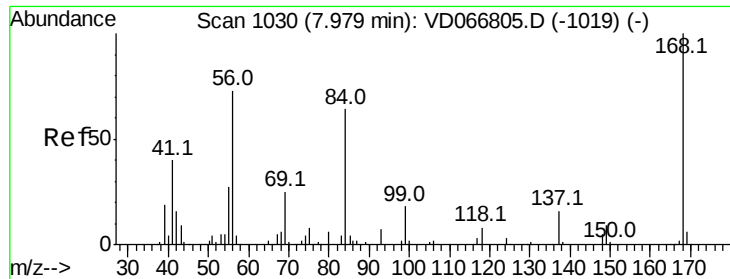
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	42146	77.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.62%	
35) Dibromofluoromethane	7.91	113	35989	61.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.08%	
50) Toluene-d8	10.34	98	118765	59.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.22%	
62) 4-Bromofluorobenzene	12.63	95	57213	83.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.76%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.19	59	56	Below Cal	#	72
16) Acetone	4.17	43	3565	31.027	ug/l #	81
20) Methylene Chloride	4.97	84	1574	Below Cal	#	92
25) 2-Butanone	7.21	43	749	5.424	ug/l #	46
31) Cyclohexane	7.96	56	1356	1.377	ug/l #	60
36) 1,1-Dichloropropene	7.98	75	4708	5.163	ug/l #	49
37) Ethyl Acetate	7.21	43	749	2.272	ug/l #	34
38) Carbon Tetrachloride	7.96	117	5929	5.947	ug/l #	12
59) 2-Hexanone	11.00	43	753	3.467	ug/l #	25
74) N-amyl acetate	12.27	43	1829	1.883	ug/l #	71
76) 1,2,3-Trichloropropane	12.63	75	31033	54.384	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	31033	136.063	ug/l #	10
95) Naphthalene	15.41	128	154268	73.406	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066940.D

Acq: 29 Sep 2020 15:52

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MSVOA_D

ClientSampleId :

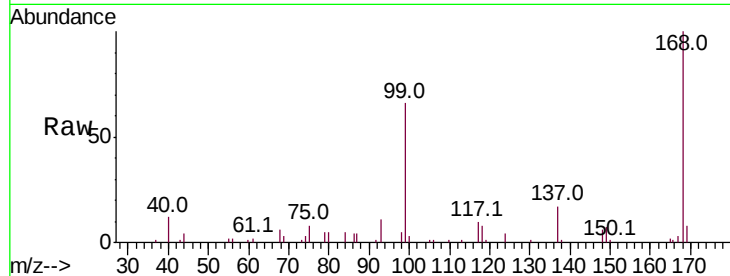
B-7(9-11)

Tot Ion:168 Resp: 55339

Ion Ratio Lower Upper

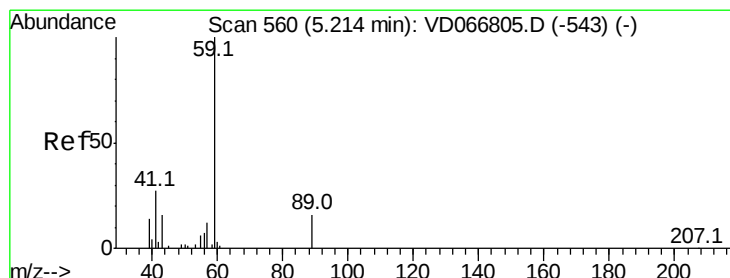
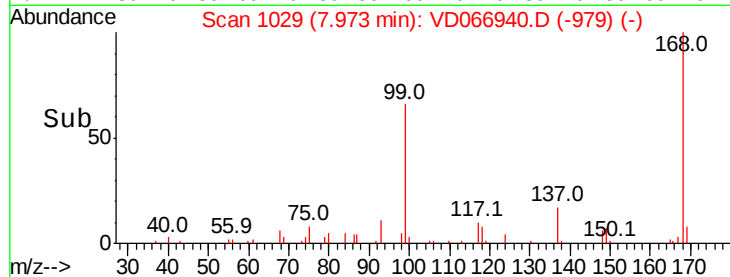
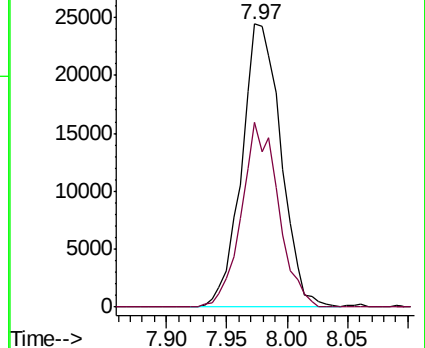
168 100

99 65.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.02 min

Lab File: VD066940.D

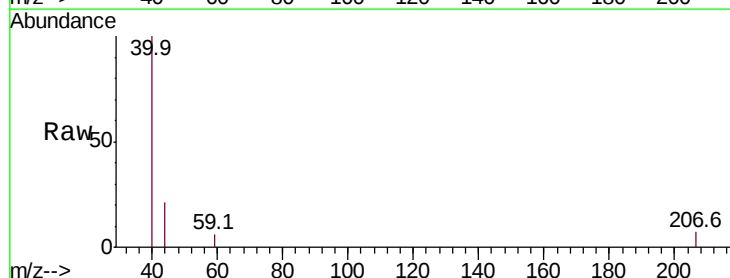
Acq: 29 Sep 2020 15:52

Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

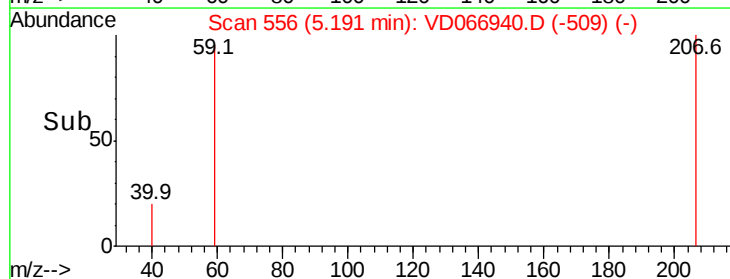
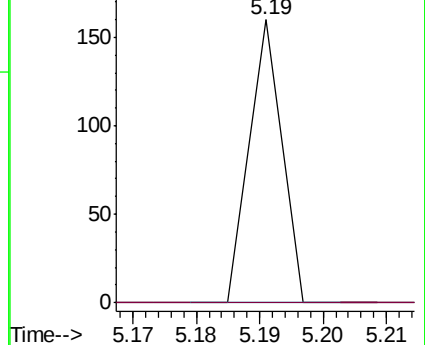
59 100

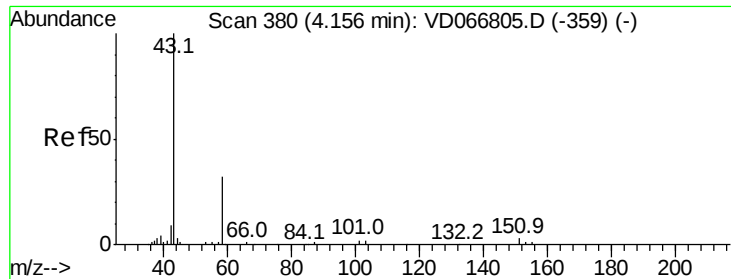
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 31.027 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066940.D

Acq: 29 Sep 2020 15:52

Instrument :

MSVOA_D

ClientSampleId :

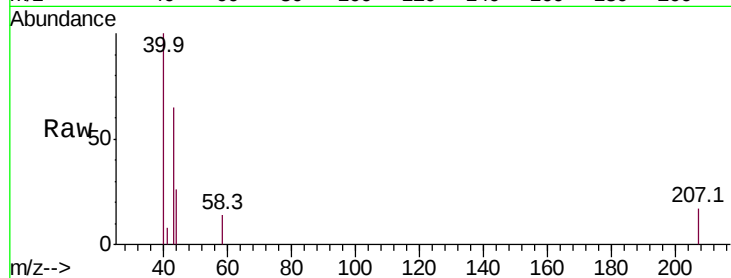
B-7(9-11)

Tot Ion: 43 Resp: 3565

Ion Ratio Lower Upper

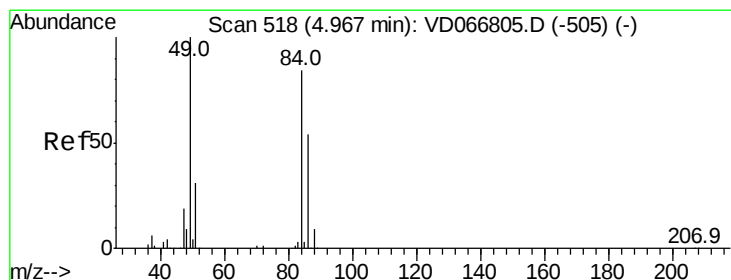
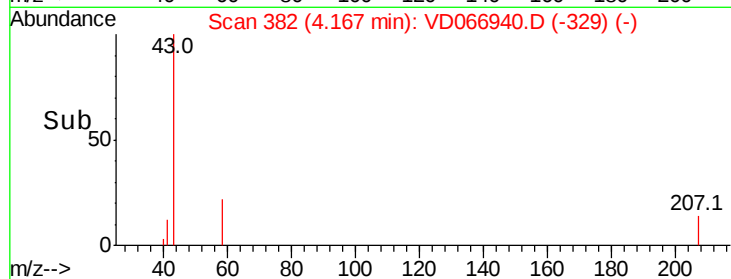
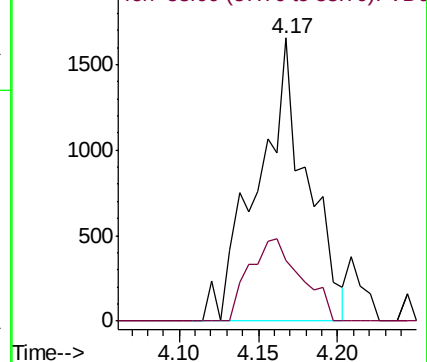
43 100

58 21.6 25.6 38.4#



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. 0.00 min

Lab File: VD066940.D

Acq: 29 Sep 2020 15:52

Tgt Ion: 84 Resp: 1574

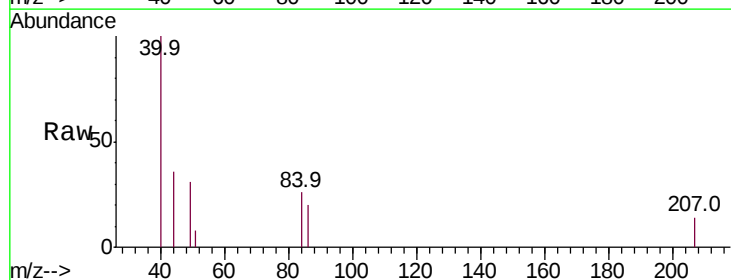
Ion Ratio Lower Upper

84 100

49 117.4 95.4 143.2

51 30.1 29.7 44.5

86 78.3 51.4 77.2#

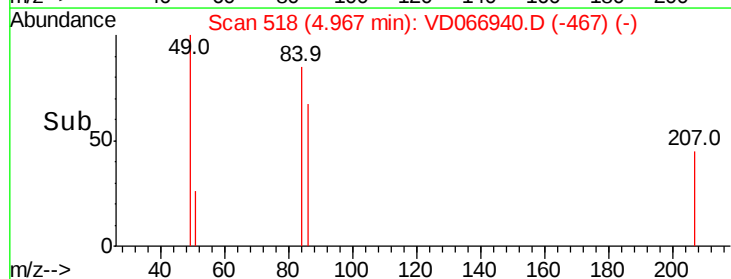
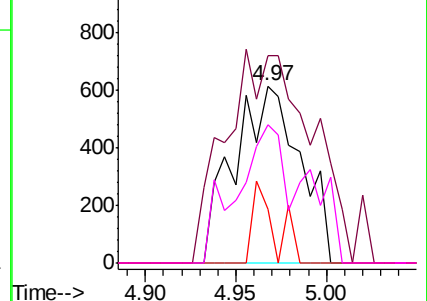


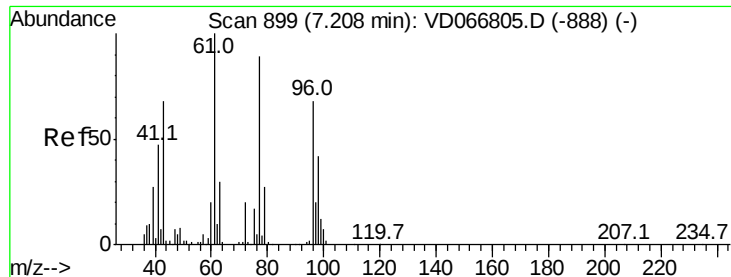
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

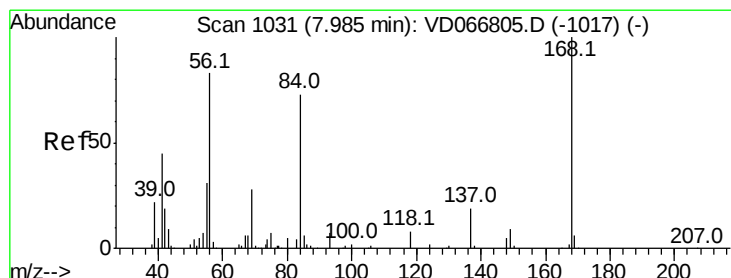
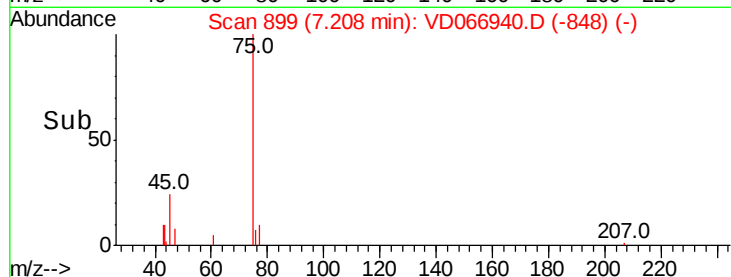
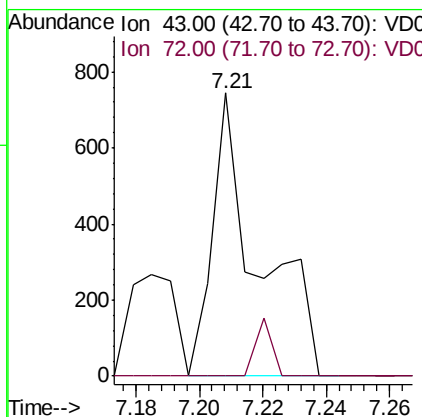
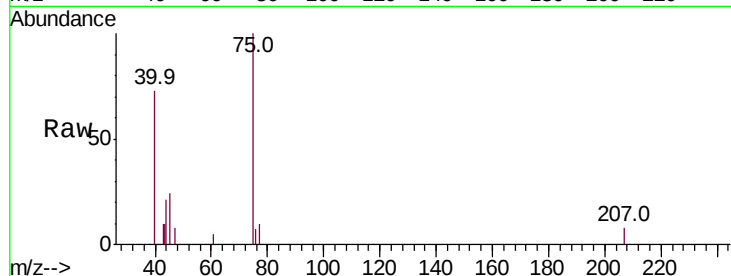




#25
2-Butanone
Concen: 5.424 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066940.D
Acq: 29 Sep 2020 15:52

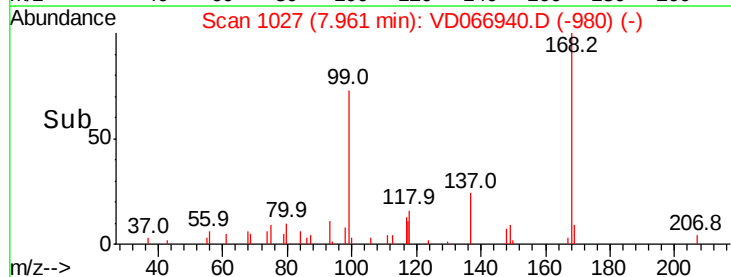
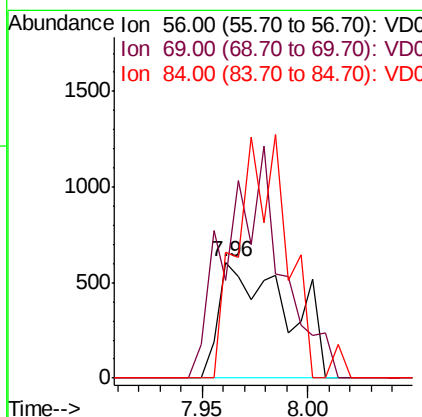
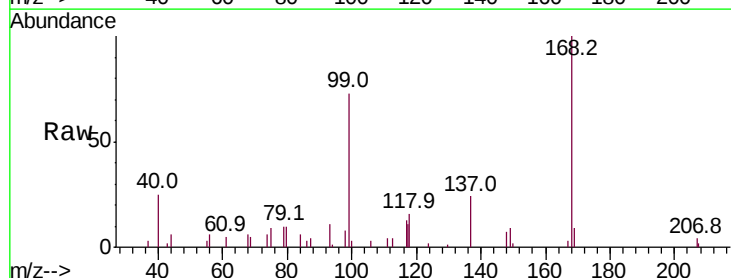
Instrument :
MSVOA_D
ClientSampleId :
B-7(9-11)

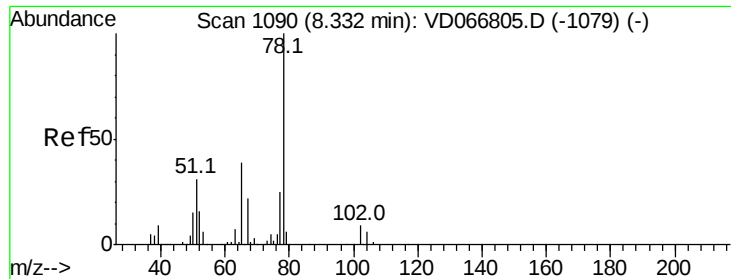
Tot Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
72 0.0 22.9 34.3#



#31
Cyclohexane
Concen: 1.377 ug/l
RT: 7.96 min Scan# 1027
Delta R.T. -0.02 min
Lab File: VD066940.D
Acq: 29 Sep 2020 15:52

Tgt Ion: 56 Resp: 1356
Ion Ratio Lower Upper
56 100
69 84.4 27.0 40.4#
84 108.1 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 77.812 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066940.D

Acq: 29 Sep 2020 15:52

Instrument :

MSVOA_D

ClientSampleId :

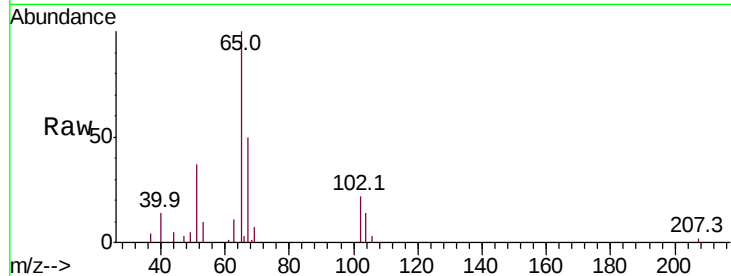
B-7(9-11)

Tot Ion: 65 Resp: 42146

Ion Ratio Lower Upper

65 100

67 51.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

20000

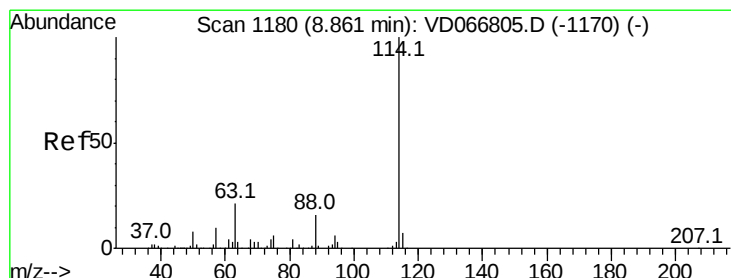
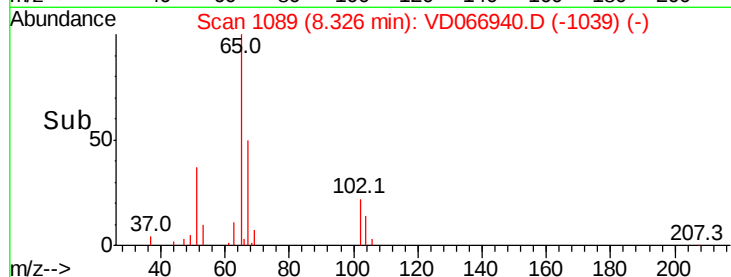
15000

10000

5000

0

Time--> 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066940.D

Acq: 29 Sep 2020 15:52

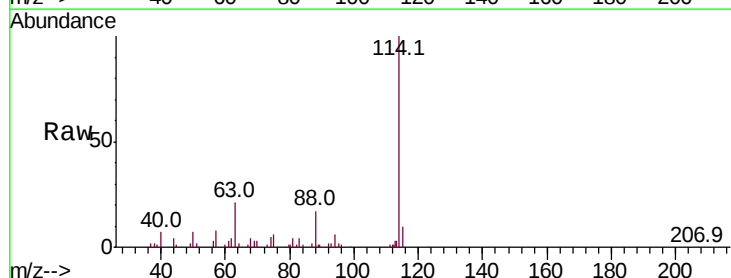
Tgt Ion: 114 Resp: 91918

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 16.9 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

60000

50000

40000

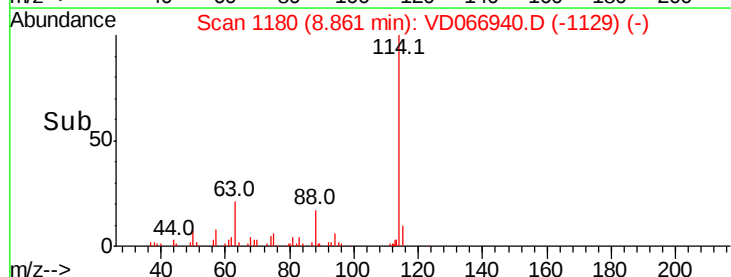
30000

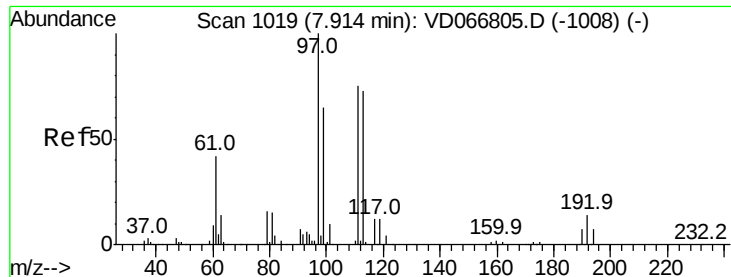
20000

10000

0

Time--> 8.75 8.80 8.85 8.90 8.95





#35

Dibromofluoromethane

Concen: 61.543 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066940.D

Acq: 29 Sep 2020 15:52

Instrument :

MSVOA_D

ClientSampleId :

B-7(9-11)

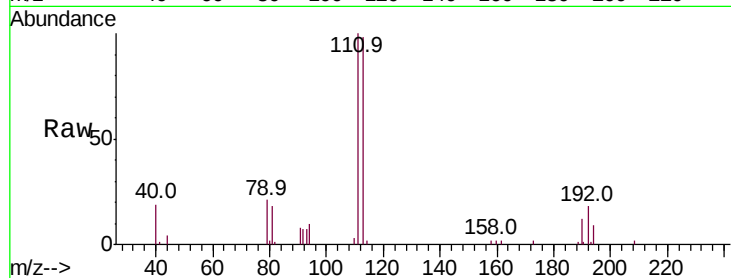
Tot Ion:113 Resp: 35989

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

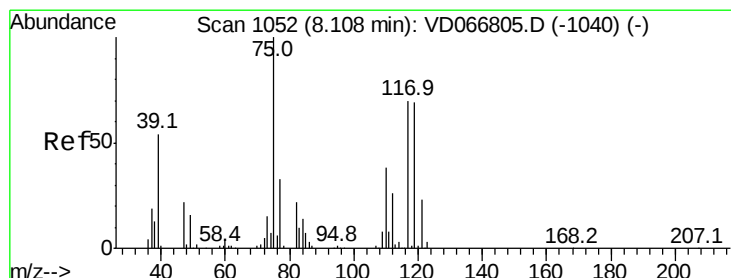
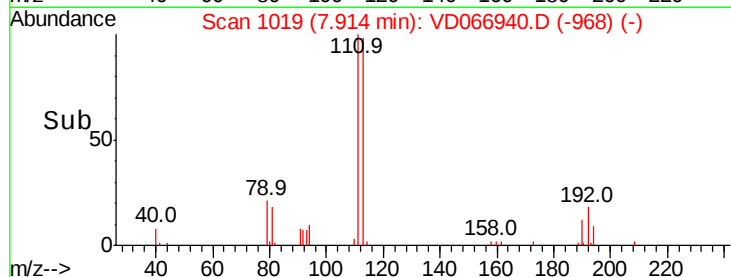
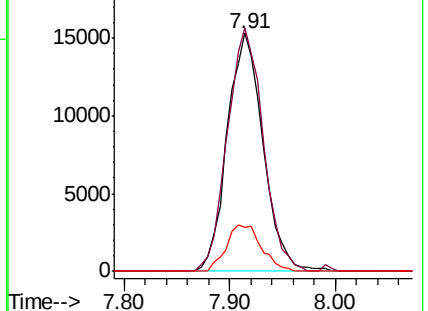
192 19.0 14.4 21.6



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: 5.163 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066940.D

Acq: 29 Sep 2020 15:52

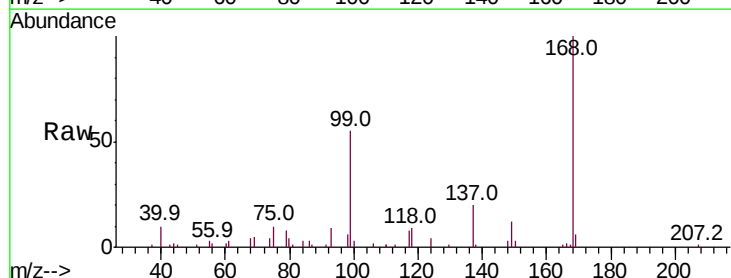
Tgt Ion: 75 Resp: 4708

Ion Ratio Lower Upper

75 100

110 9.3 17.9 53.8#

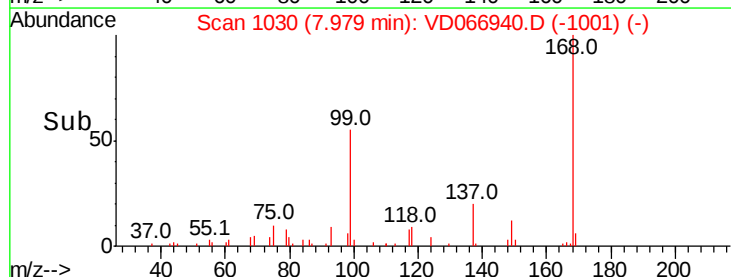
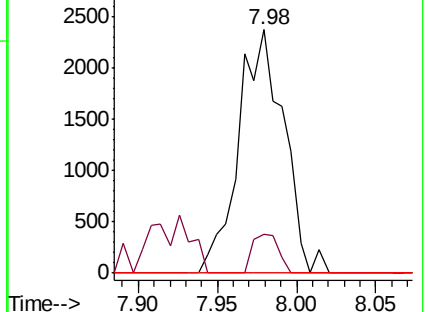
77 0.0 25.0 37.6#

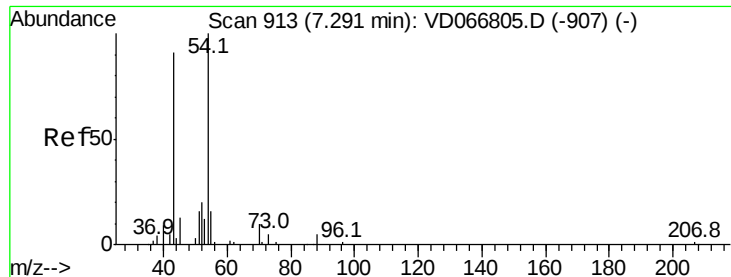


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

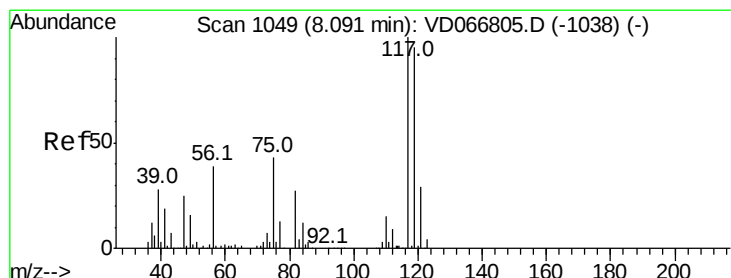
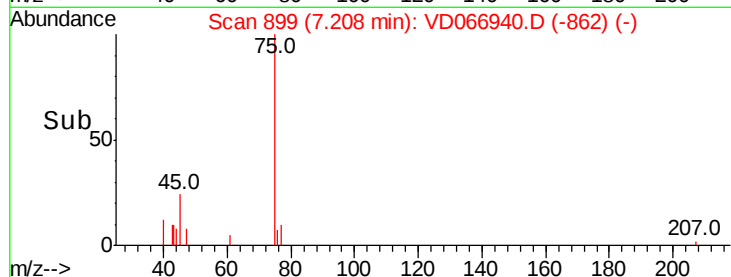
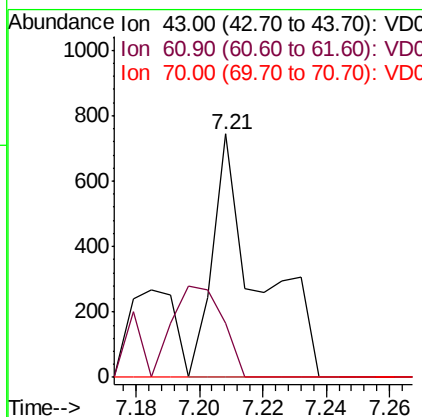
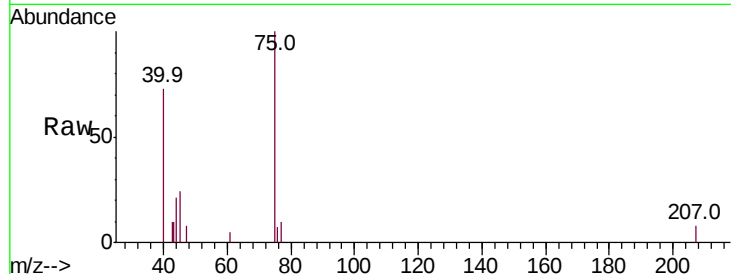




#37
Ethyl Acetate
Concen: 2.272 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.08 min
Lab File: VD066940.D
Acq: 29 Sep 2020 15:52

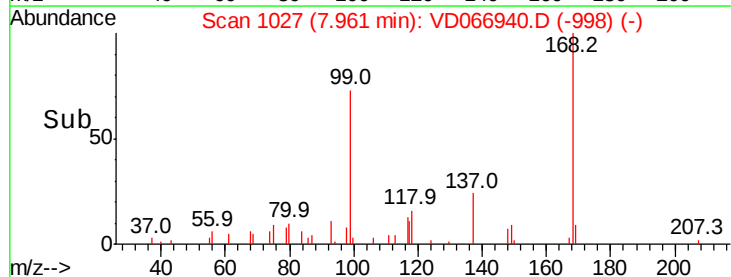
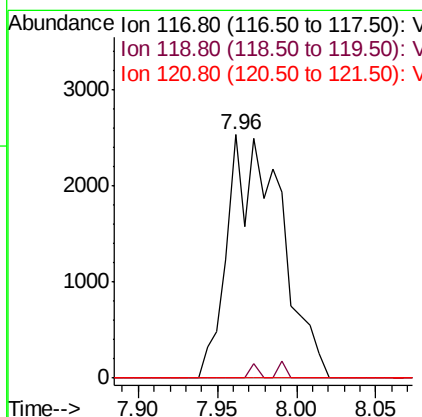
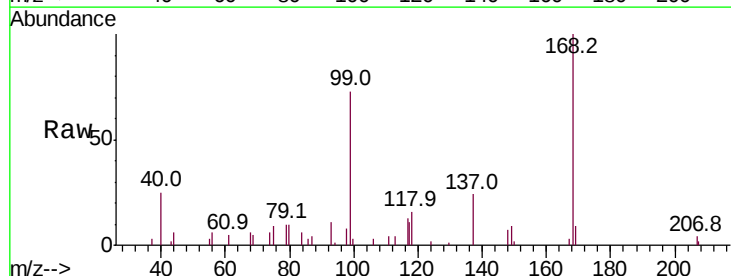
Instrument :
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B-7(9-11)

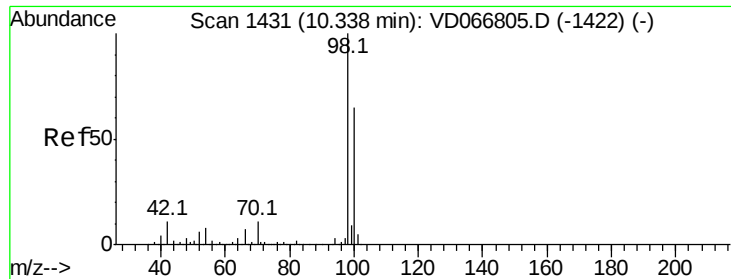
Tot Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
61 50.9 9.8 14.8#
70 0.0 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 5.947 ug/l
RT: 7.96 min Scan# 1027
Delta R.T. -0.13 min
Lab File: VD066940.D
Acq: 29 Sep 2020 15:52

Tgt Ion: 117 Resp: 5929
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 23.4 35.0#

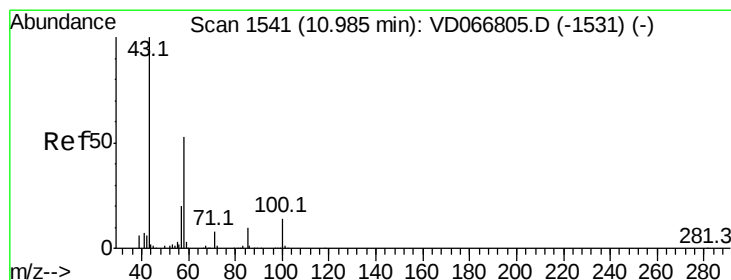
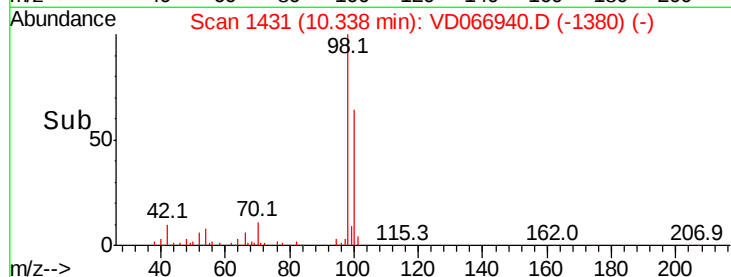
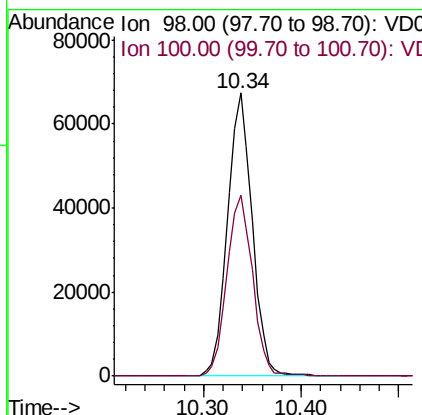
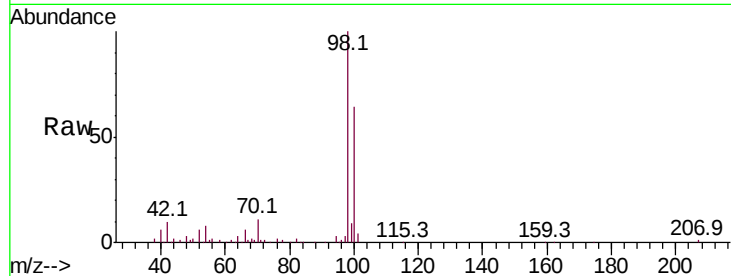




#50
Toluene-d8
Concen: 59.607 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066940.D
Acq: 29 Sep 2020 15:52

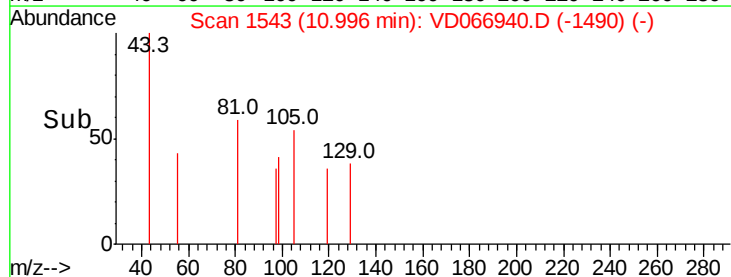
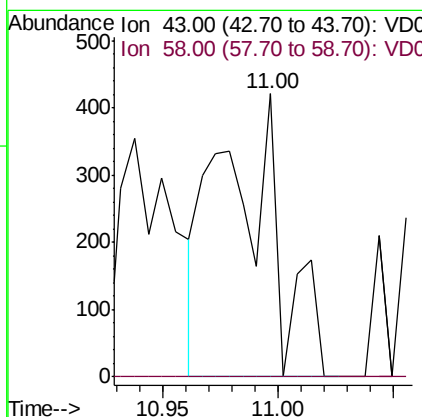
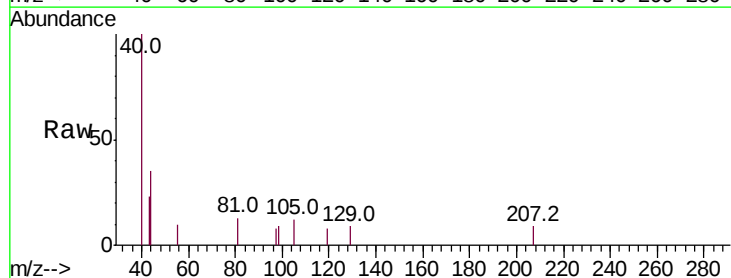
Instrument :
MSVOA_D
ClientSampleId :
B-7(9-11)

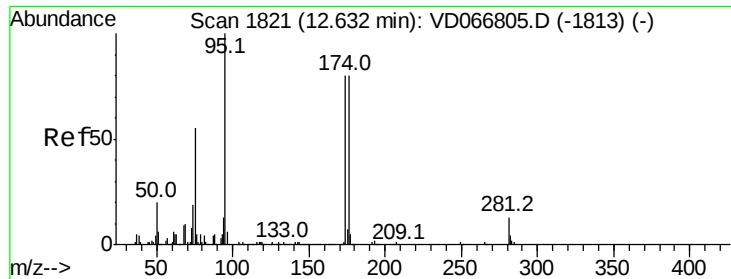
Tot Ion: 98 Resp: 118765
Ion Ratio Lower Upper
98 100
100 66.2 52.2 78.2



#59
2-Hexanone
Concen: 3.467 ug/l
RT: 11.00 min Scan# 1543
Delta R.T. 0.01 min
Lab File: VD066940.D
Acq: 29 Sep 2020 15:52

Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
58 0.0 27.0 80.8#

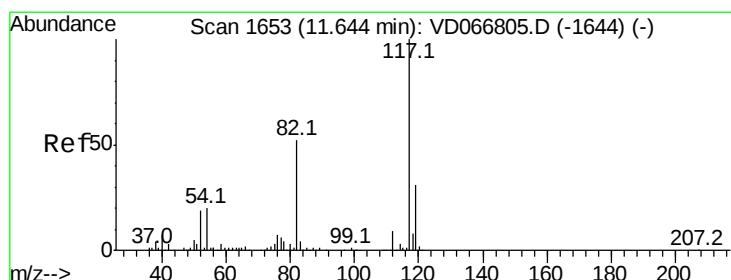
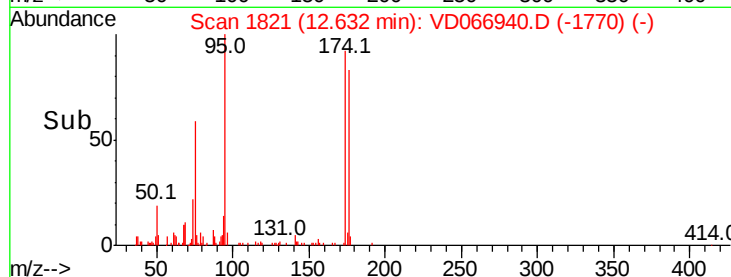
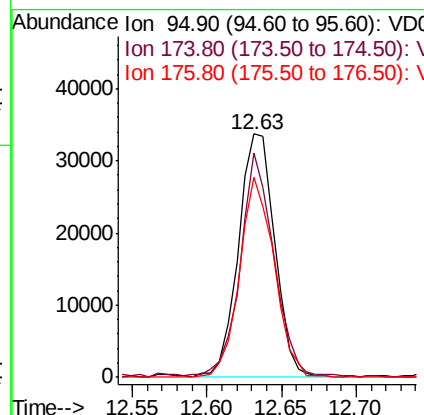
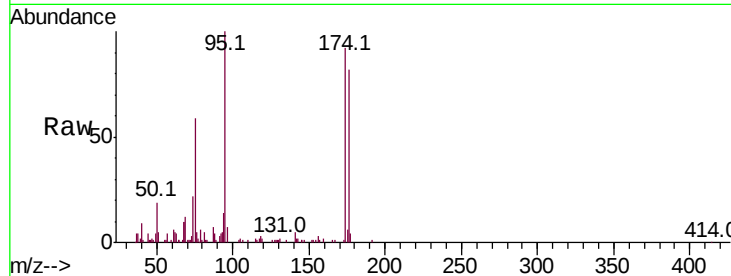




#62
4-Bromofluorobenzene
Concen: 83.879 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066940.D
Acq: 29 Sep 2020 15:52

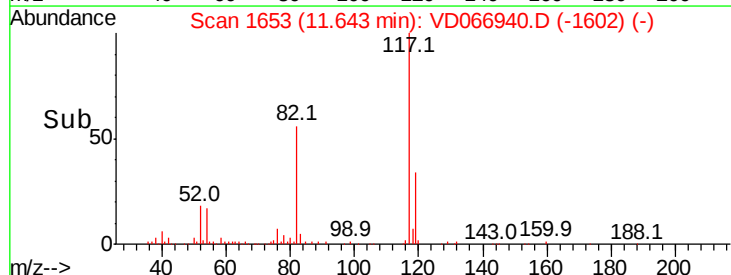
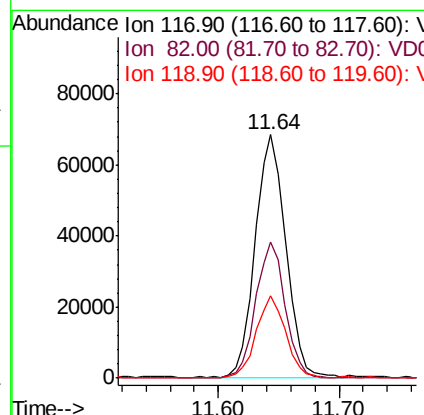
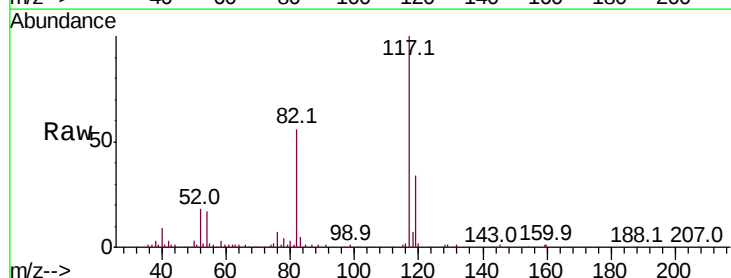
Instrument :
MSVOA_D
ClientSampleId :
B-7(9-11)

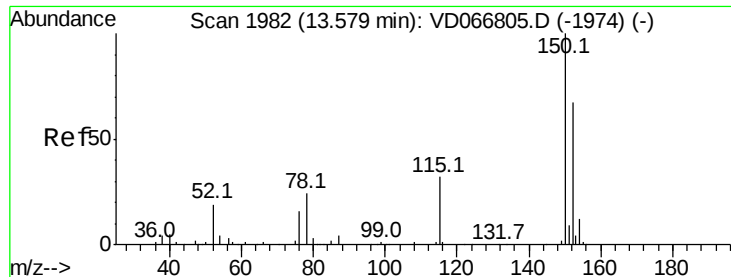
Tot Ion: 95 Resp: 57213
Ion Ratio Lower Upper
95 100
174 85.8 0.0 159.8
176 78.2 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066940.D
Acq: 29 Sep 2020 15:52

Tgt Ion: 117 Resp: 121868
Ion Ratio Lower Upper
117 100
82 56.0 41.8 62.6
119 33.9 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: VD066940.D

Acq: 29 Sep 2020 15:52

Instrument :

MSVOA_D

ClientSampleId :

B-7(9-11)

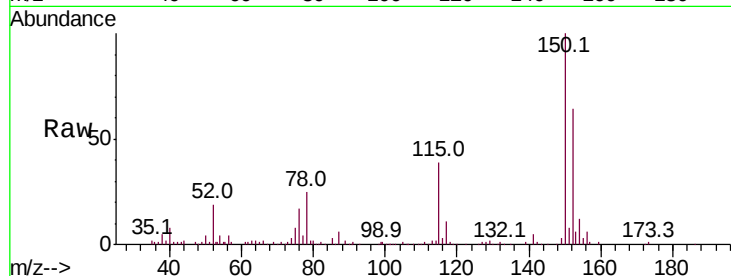
Tot Ion:152 Resp: 68857

Ion Ratio Lower Upper

152 100

115 60.4 30.3 91.0

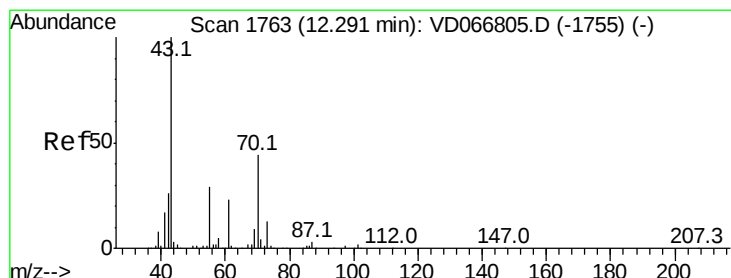
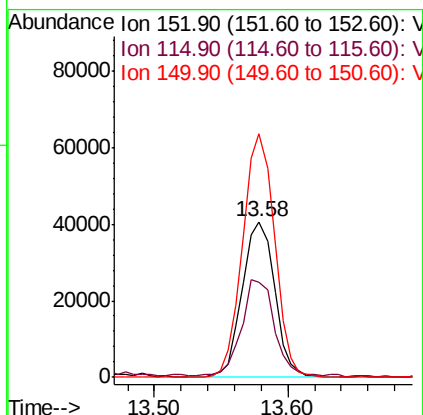
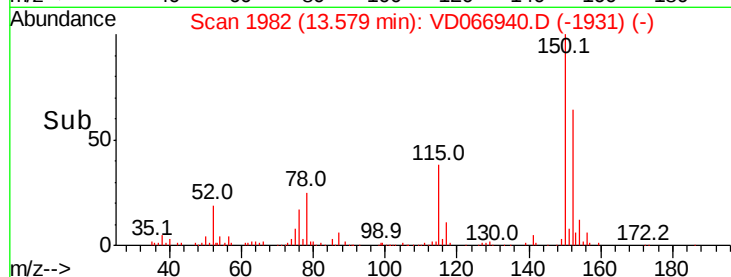
150 152.9 0.0 346.2



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



#74

N-ethyl acetate

Concen: 1.883 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.02 min

Lab File: VD066940.D

Acq: 29 Sep 2020 15:52

Tgt Ion: 43 Resp: 1829

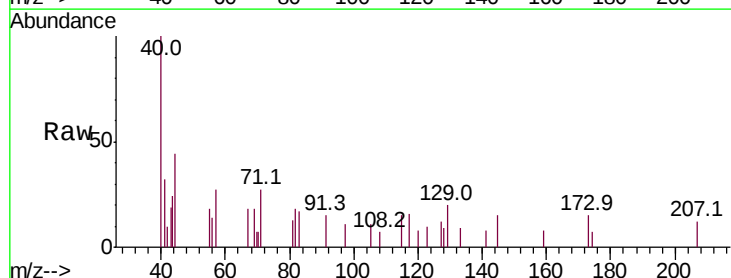
Ion Ratio Lower Upper

43 100

70 22.3 36.1 54.1#

55 26.6 21.8 32.8

61 0.0 19.0 28.4#

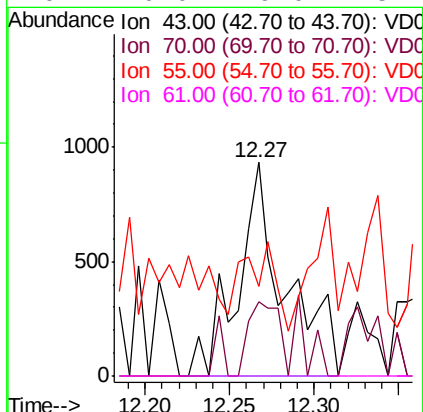
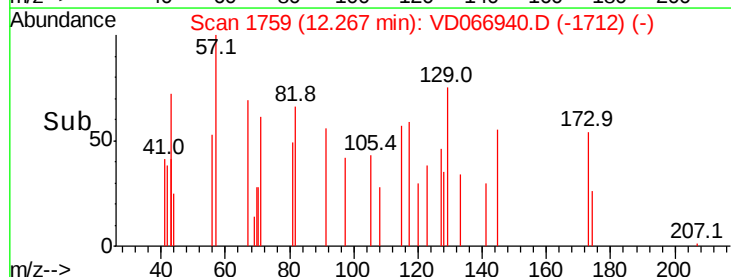


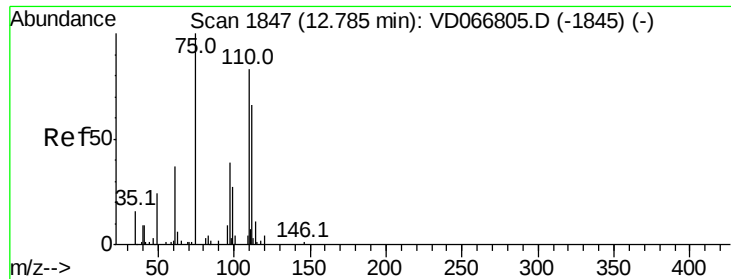
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

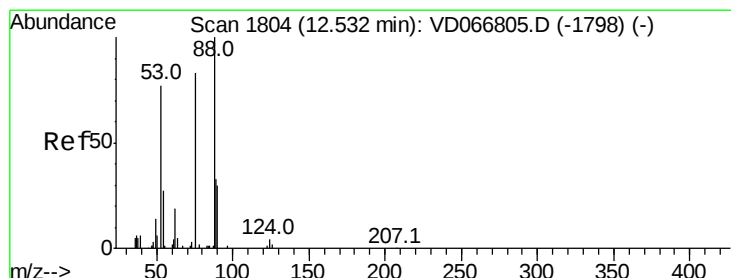
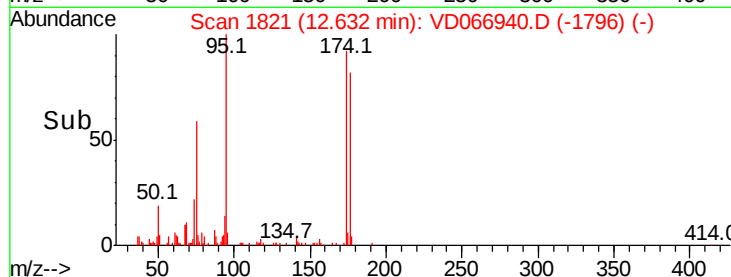
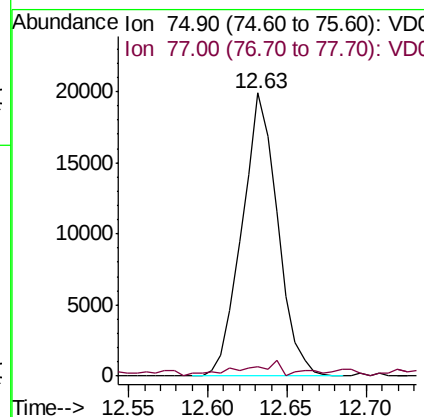
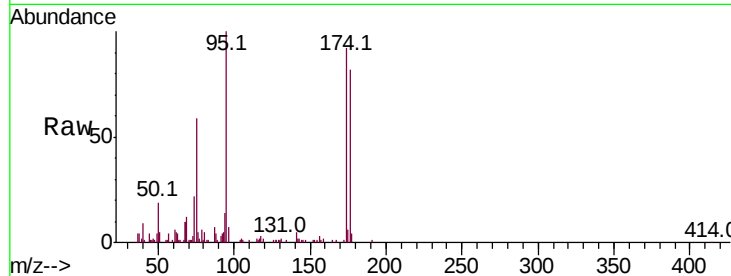




#76
 1,2,3-Trichloropropane
 Concen: 54.384 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066940.D
 Acq: 29 Sep 2020 15:52

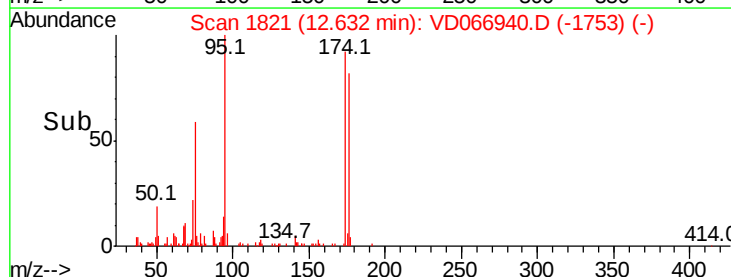
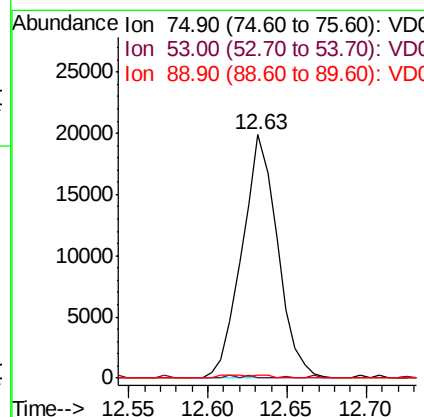
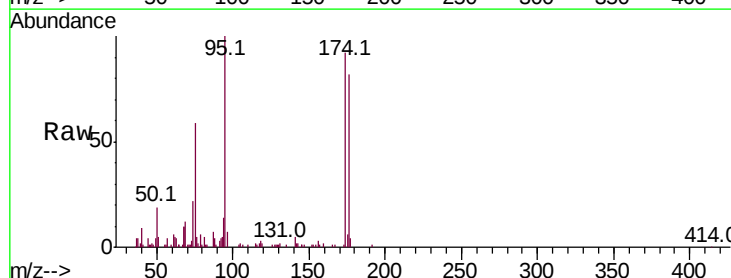
Instrument :
 MSVOA_D
 ClientSampleId :
 B-7(9-11)

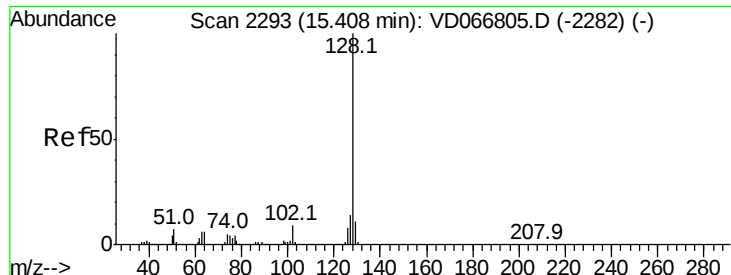
Tot Ion: 75 Resp: 31033
 Ion Ratio Lower Upper
 75 100
 77 5.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.063 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066940.D
 Acq: 29 Sep 2020 15:52

Tgt Ion: 75 Resp: 31033
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.0 38.1 57.1#





#95

Naphthalene

Concen: 73.406 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066940.D

Acq: 29 Sep 2020 15:52

Instrument :

MSVOA_D

ClientSampleId :

B-7(9-11)

Tot Ion:128 Resp: 154268

Ion Ratio Lower Upper

128 100

127 13.7 10.6 16.0

129 11.9 8.9 13.3

