

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066972.D
 Acq On : 30 Sep 2020 14:30
 Operator : VA/SY
 Sample : L4172-09RE
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 01 00:55:41 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	464621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	760080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	789852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	381817	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	207589	45.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.30%	
35) Dibromofluoromethane	7.91	113	235290	48.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.32%	
50) Toluene-d8	10.34	98	913951	55.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.94%	
62) 4-Bromofluorobenzene	12.63	95	352261	62.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	124.90%	

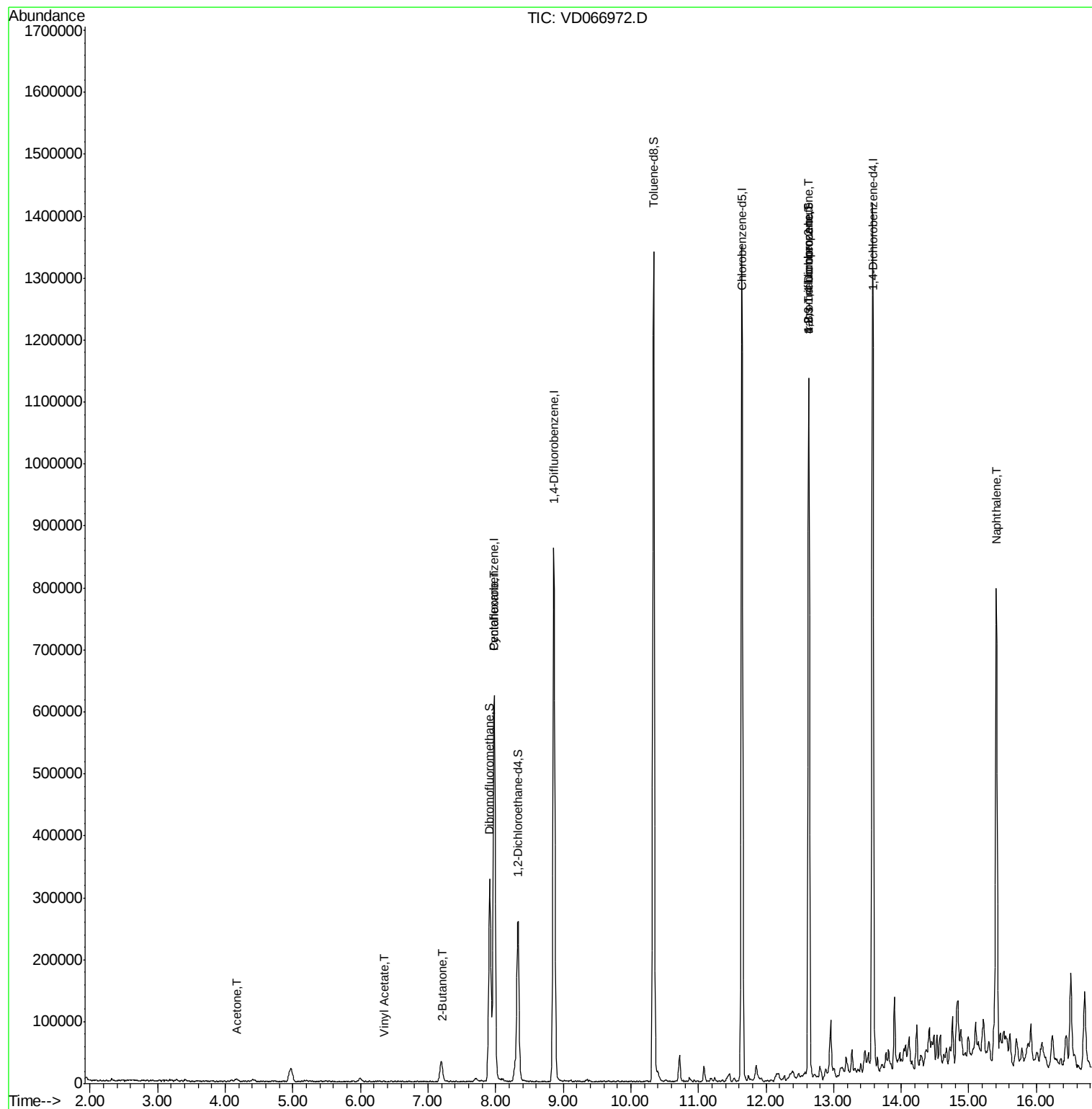
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	963	Below Cal		90
11) Tert butyl alcohol	5.20	59	1409	Below Cal	#	72
16) Acetone	4.17	43	6250	6.479	ug/l #	75
18) Methyl Acetate	4.77	43	62	Below Cal	#	50
20) Methylene Chloride	4.96	84	19077	Below Cal	#	76
23) Vinyl Acetate	6.35	43	221	2.701	ug/l #	71
25) 2-Butanone	7.21	43	2258	1.948	ug/l #	46
31) Cyclohexane	7.99	56	11090	1.341	ug/l #	19
76) 1,2,3-Trichloropropane	12.63	75	183257	57.916	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	183257	144.900	ug/l #	10
95) Naphthalene	15.41	128	678696	58.240	ug/l	99

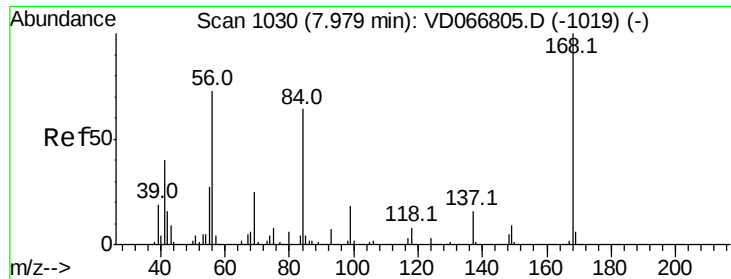
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD093020\
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B-7(9-11)

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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: VD066972.D

Acq: 30 Sep 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

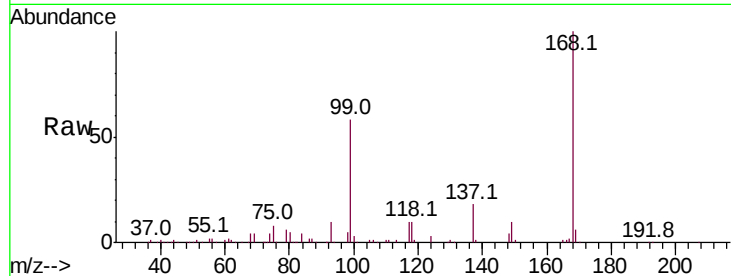
B-7(9-11)

Tot Ion:168 Resp: 464621

Ion Ratio Lower Upper

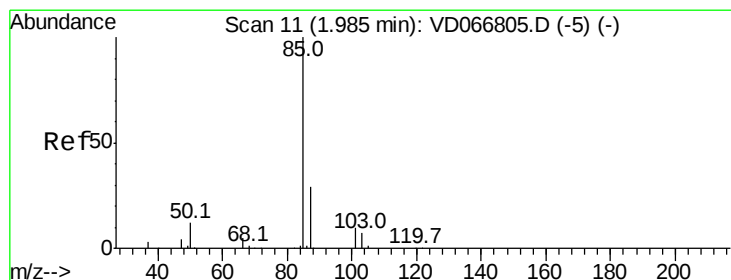
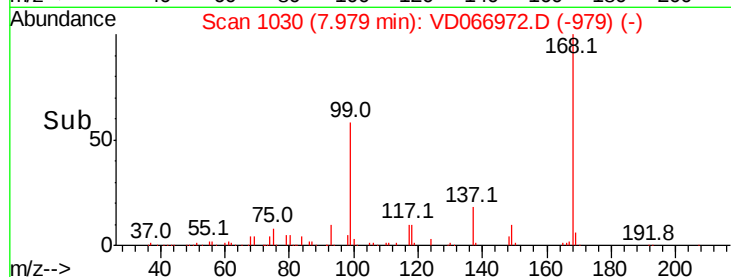
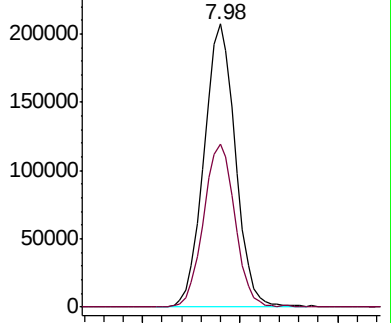
168 100

99 57.5 46.6 69.8



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: VD066972.D

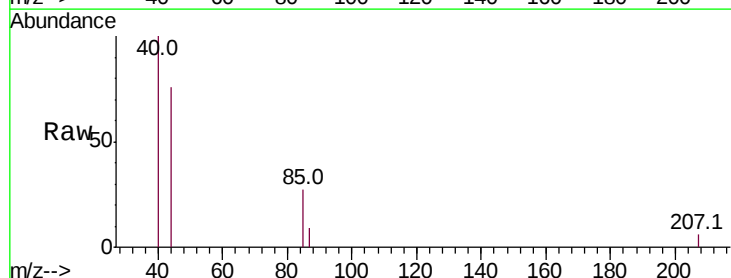
Acq: 30 Sep 2020 14:30

Tgt Ion: 85 Resp: 963

Ion Ratio Lower Upper

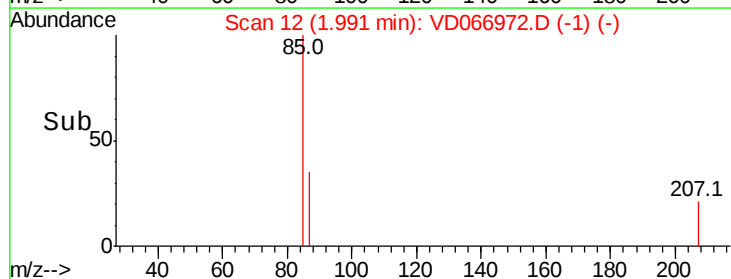
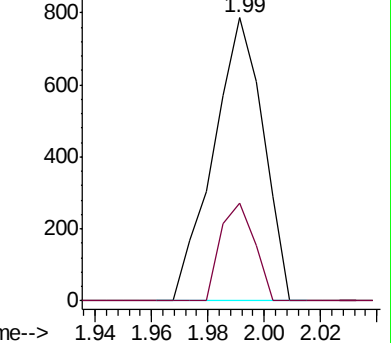
85 100

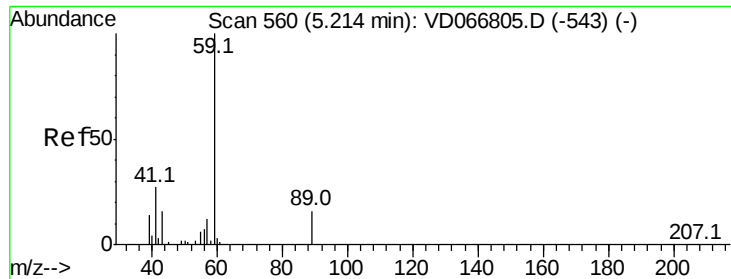
87 34.6 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



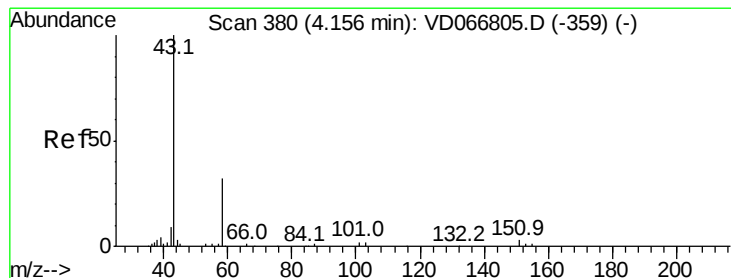
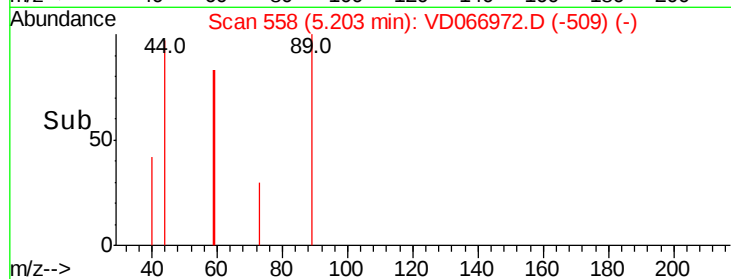
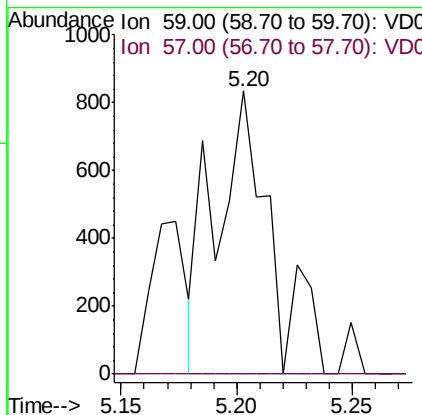
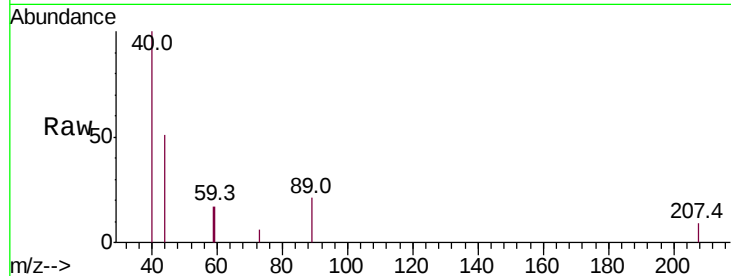


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD066972.D
 Acq: 30 Sep 2020 14:30

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

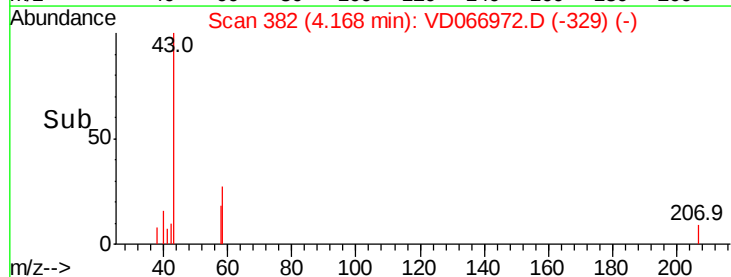
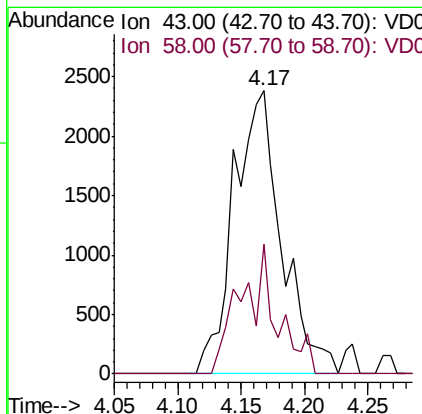
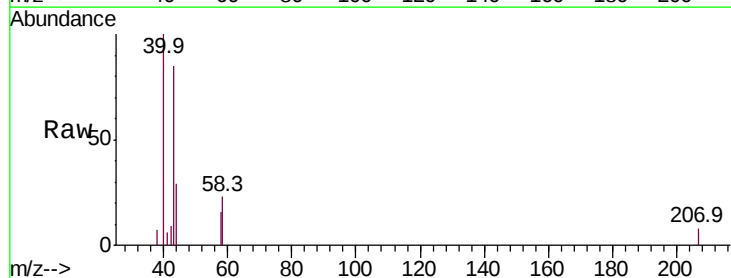
Tot Ion: 59 Resp: 1409
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

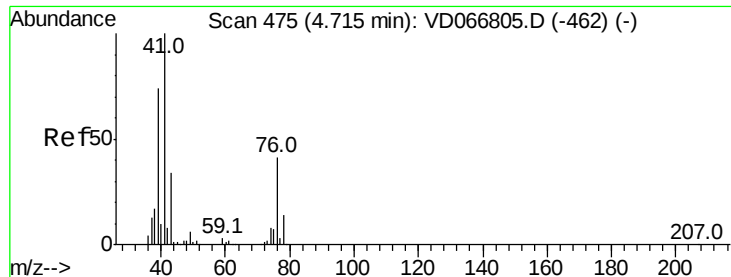


#16

Acetone
 Concen: 6.479 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD066972.D
 Acq: 30 Sep 2020 14:30

Tgt Ion: 43 Resp: 6250
 Ion Ratio Lower Upper
 43 100
 58 45.8 25.6 38.4#

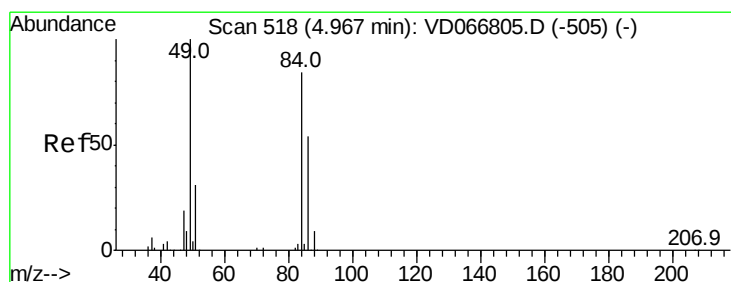
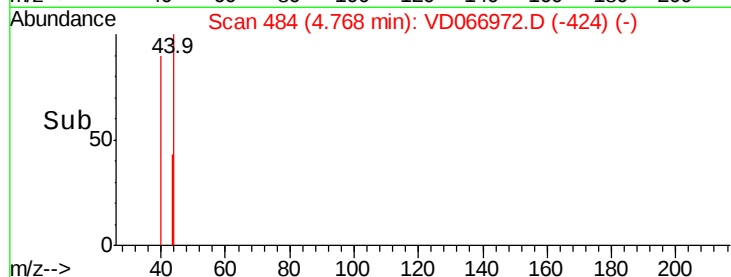
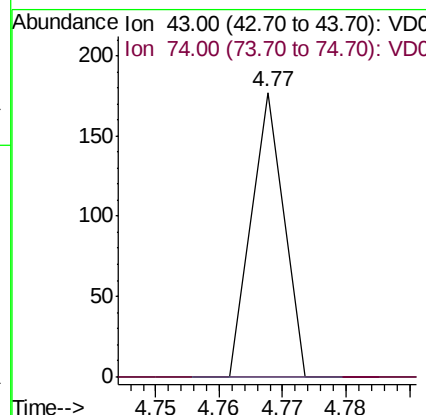
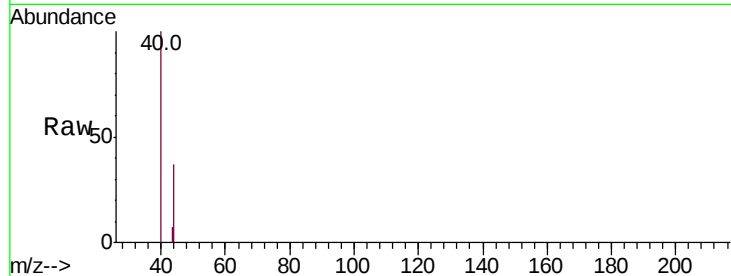




#18
Methyl Acetate
Concen: Below Cal
RT: 4.77 min Scan# 484
Delta R.T. 0.05 min
Lab File: VD066972.D
Acq: 30 Sep 2020 14:30

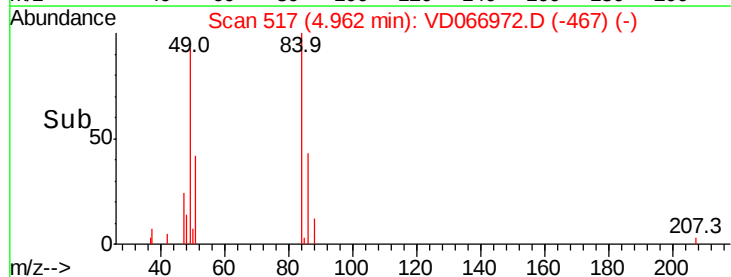
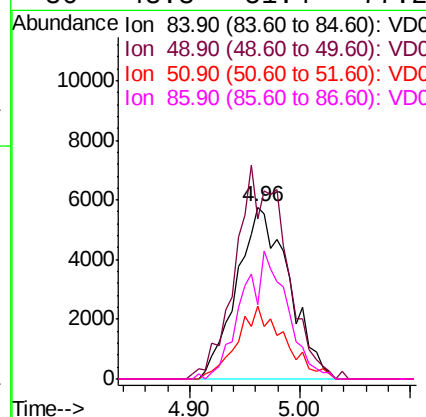
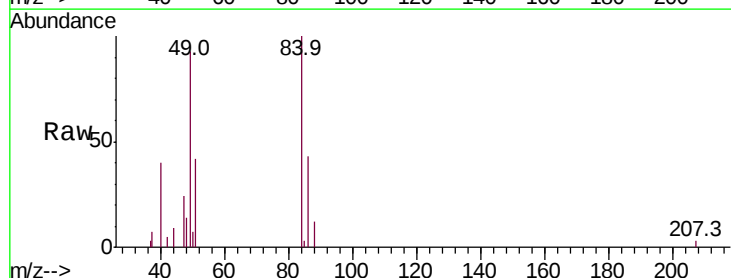
Instrument :
MSVOA_D
ClientSampleId :
B-7(9-11)

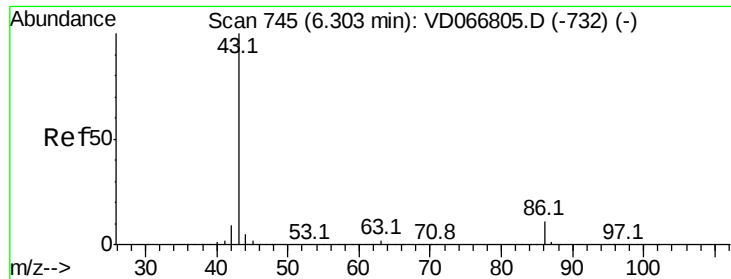
Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066972.D
Acq: 30 Sep 2020 14:30

Tgt Ion: 84 Resp: 19077
Ion Ratio Lower Upper
84 100
49 89.6 95.4 143.2#
51 42.1 29.7 44.5
86 43.3 51.4 77.2#

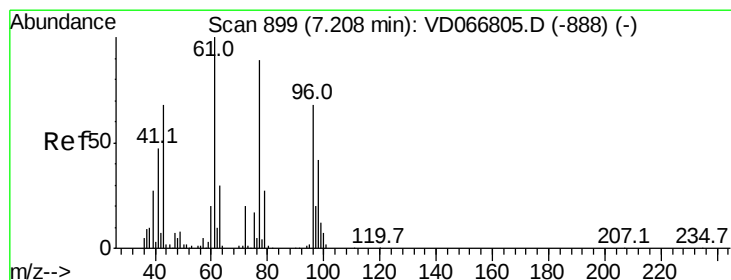
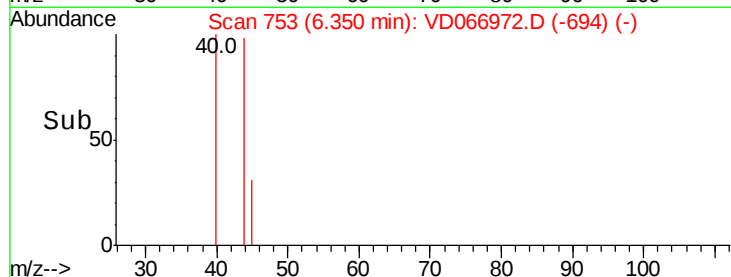
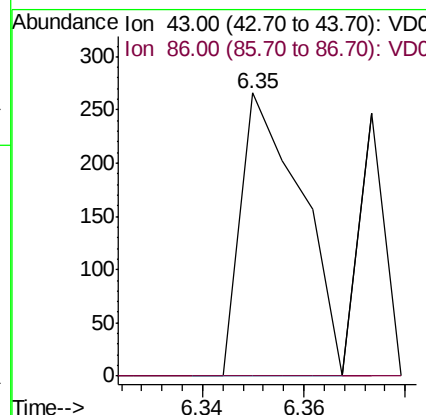
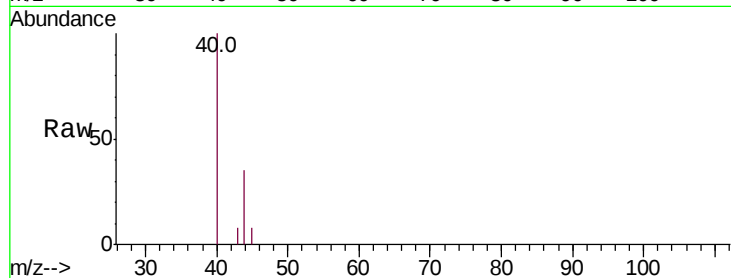




#23
 Vinyl Acetate
 Concen: 2.701 ug/l
 RT: 6.35 min Scan# 753
 Delta R.T. 0.05 min
 Lab File: VD066972.D
 Acq: 30 Sep 2020 14:30

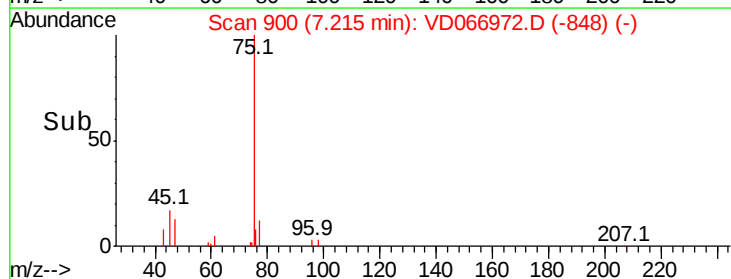
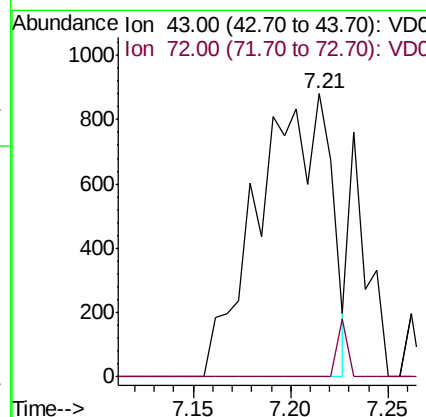
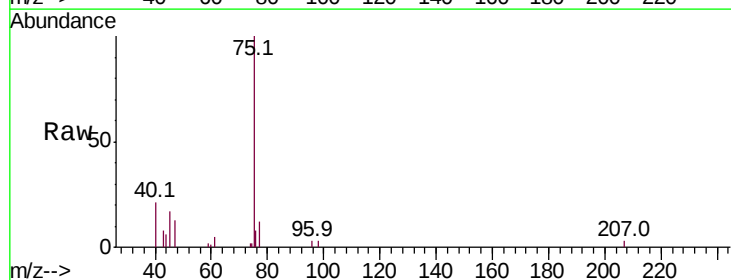
Instrument :
 MSVOA_D
 ClientSampleID :
 B-7(9-11)

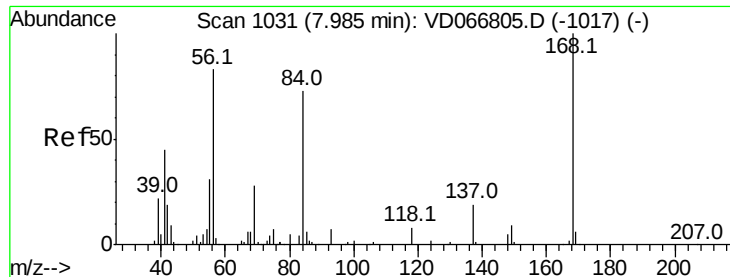
Tot Ion: 43 Resp: 221
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.9 13.3#



#25
 2-Butanone
 Concen: 1.948 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066972.D
 Acq: 30 Sep 2020 14:30

Tgt Ion: 43 Resp: 2258
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.9 34.3#

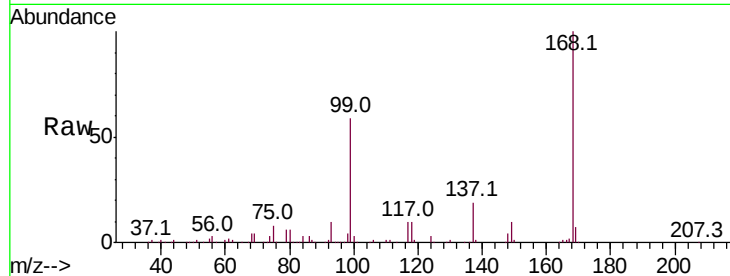




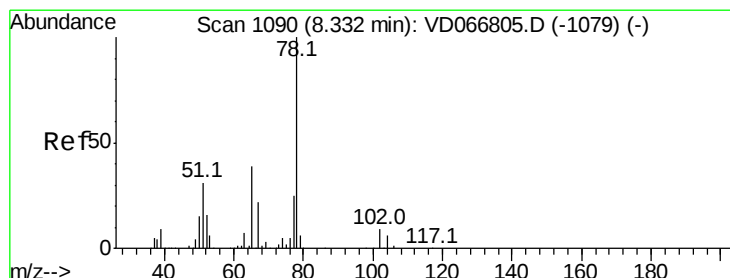
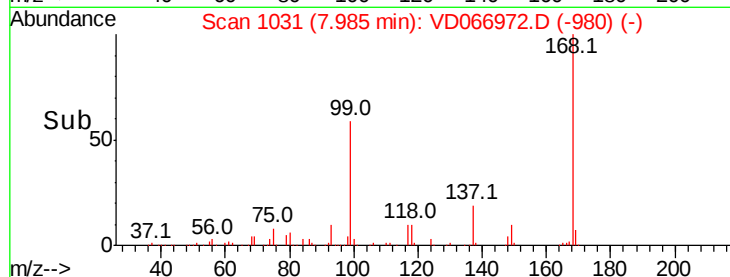
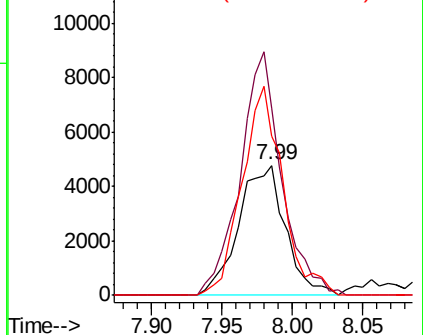
#31
Cyclohexane
Concen: 1.341 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066972.D
Acq: 30 Sep 2020 14:30

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

Tot Ion: 56 Resp: 11090
Ion Ratio Lower Upper
56 100
69 144.3 27.0 40.4#
84 122.6 70.2 105.4#

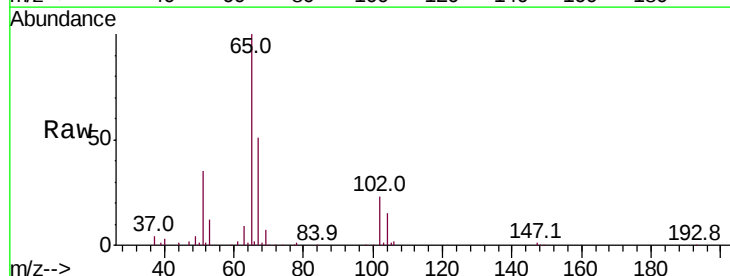


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

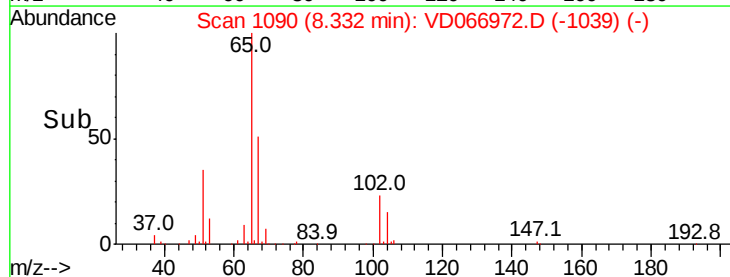
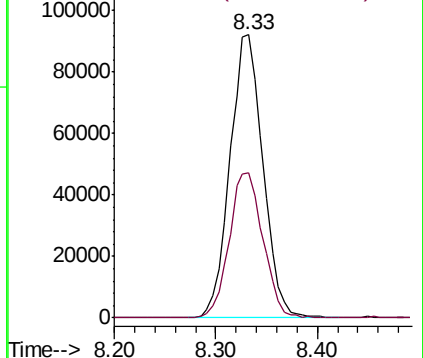


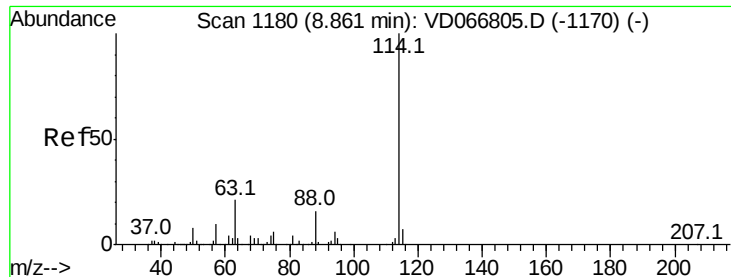
#33
1,2-Dichloroethane-d4
Concen: 45.649 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD066972.D
Acq: 30 Sep 2020 14:30

Tgt Ion: 65 Resp: 207589
Ion Ratio Lower Upper
65 100
67 52.7 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: VD066972.D

Acq: 30 Sep 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

B-7(9-11)

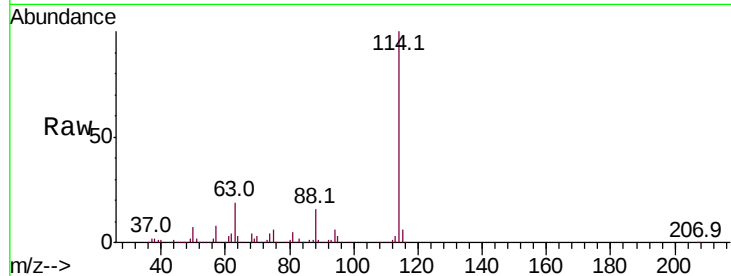
Tot Ion:114 Resp: 760080

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

88 15.6 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

500000

400000

300000

200000

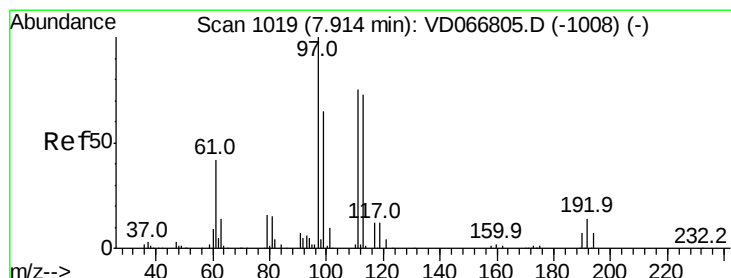
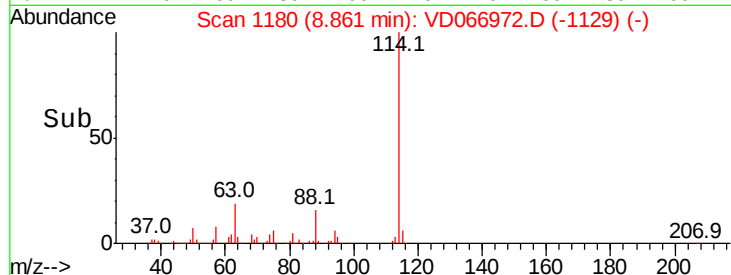
100000

0

8.86

8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 48.658 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066972.D

Acq: 30 Sep 2020 14:30

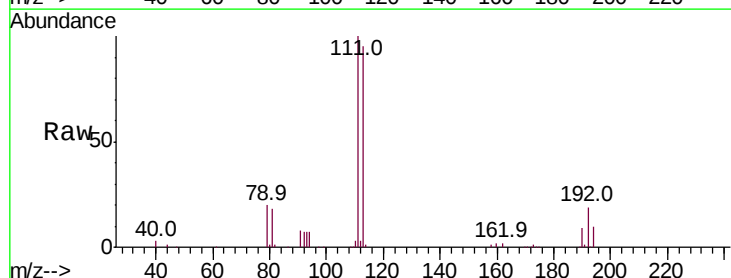
Tgt Ion:113 Resp: 235290

Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.8

192 20.1 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

100000

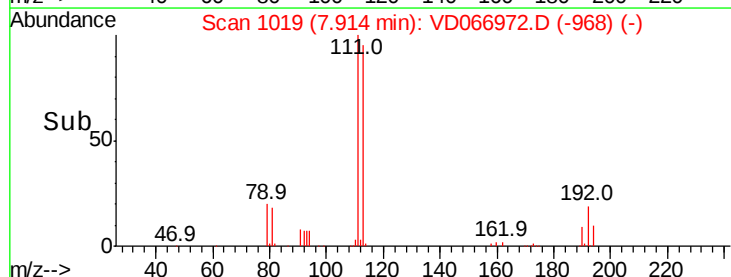
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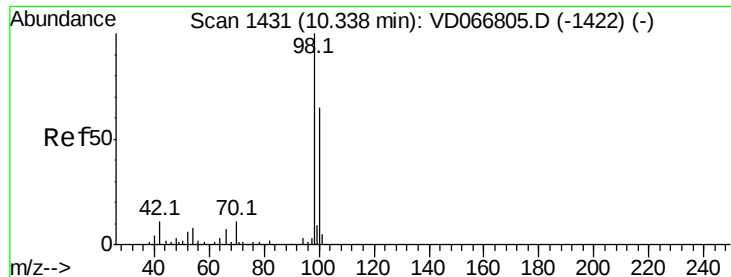
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7.91

7.80 7.90 8.00

Time-->

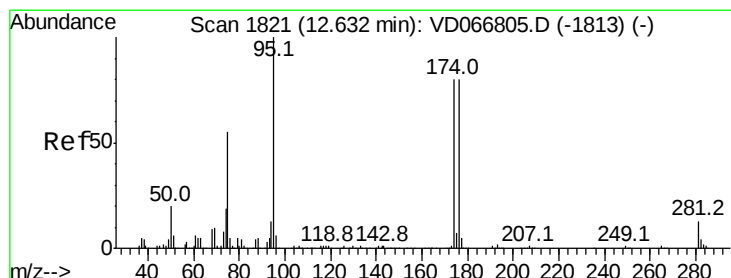
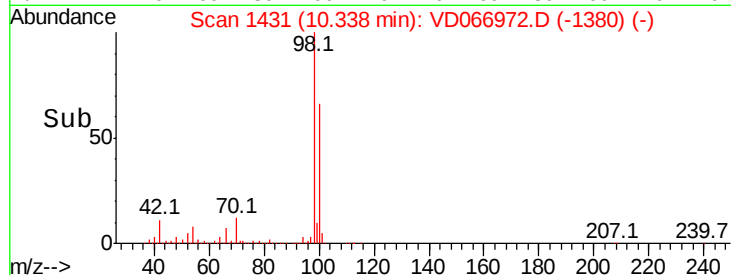
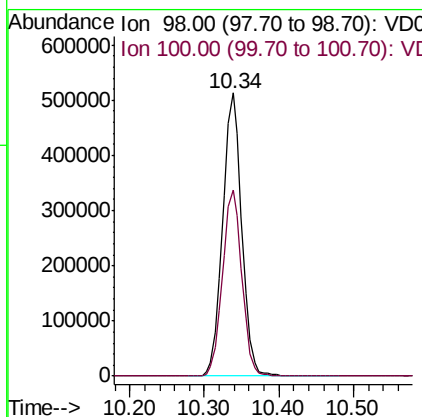
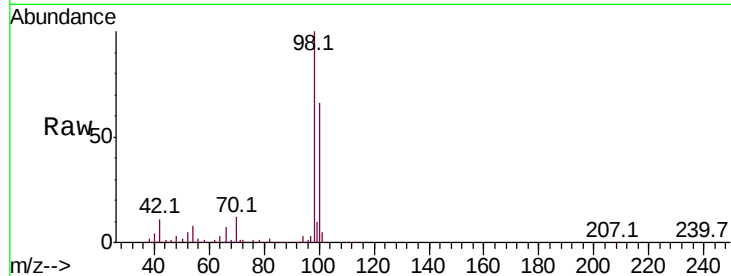




#50
Toluene-d8
Concen: 55.472 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066972.D
Acq: 30 Sep 2020 14:30

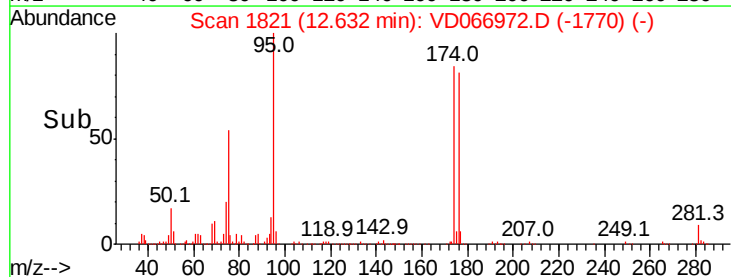
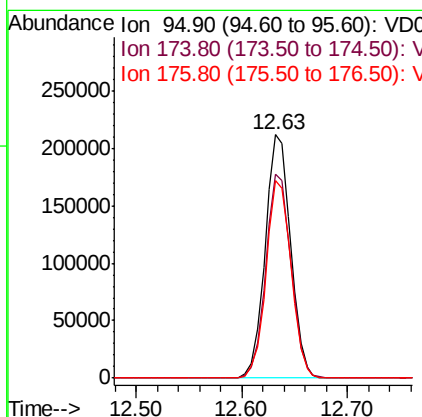
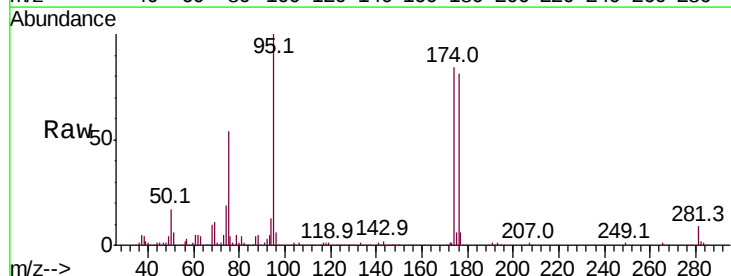
Instrument :
MSVOA_D
ClientSampled :
B-7(9-11)

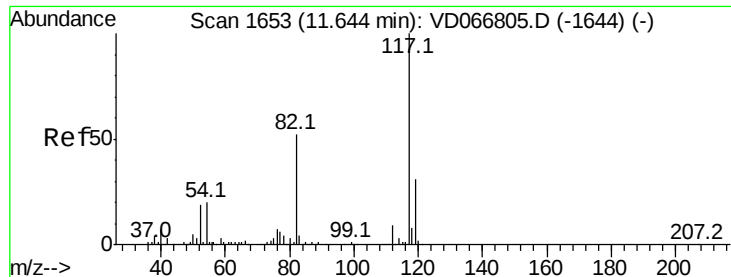
Tot Ion: 98 Resp: 913951
Ion Ratio Lower Upper
98 100
100 66.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 62.455 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066972.D
Acq: 30 Sep 2020 14:30

Tgt Ion: 95 Resp: 352261
Ion Ratio Lower Upper
95 100
174 83.3 0.0 159.8
176 79.8 0.0 154.4

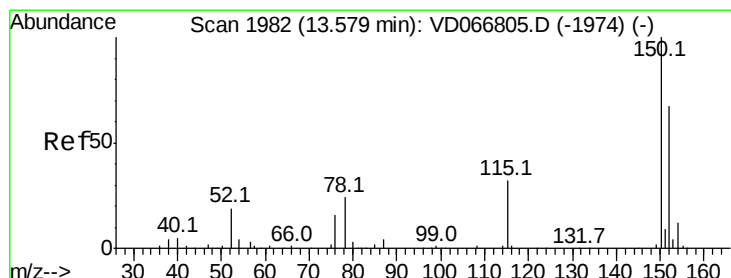
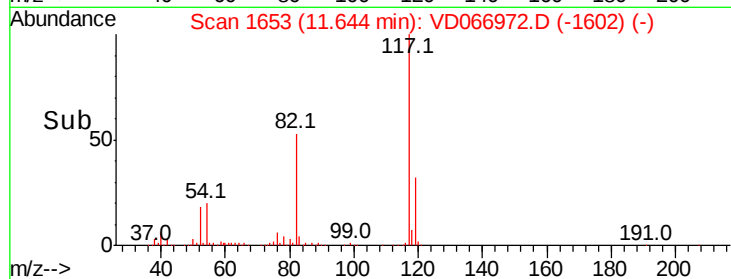
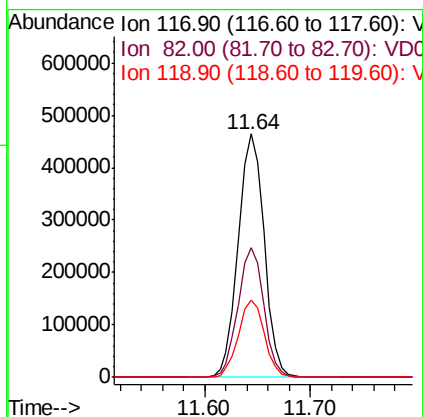
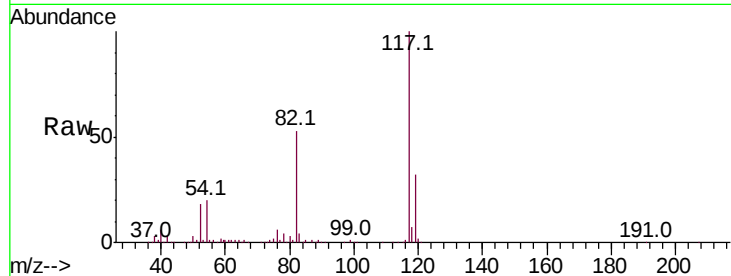




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066972.D
Acq: 30 Sep 2020 14:30

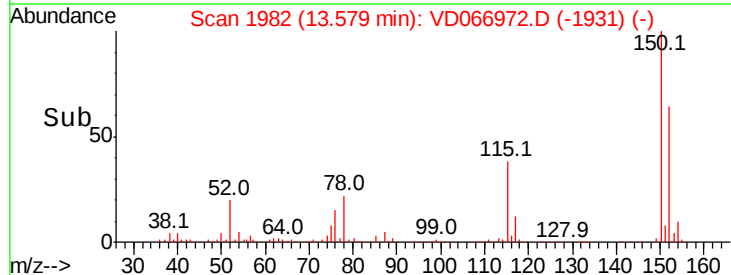
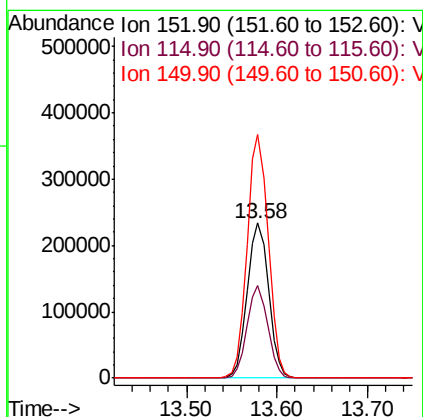
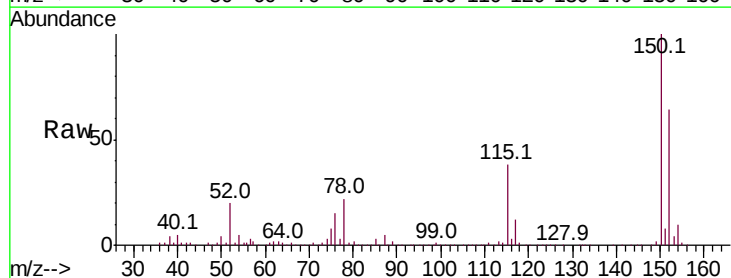
Instrument :
MSVOA_D
ClientSampleId :
B-7(9-11)

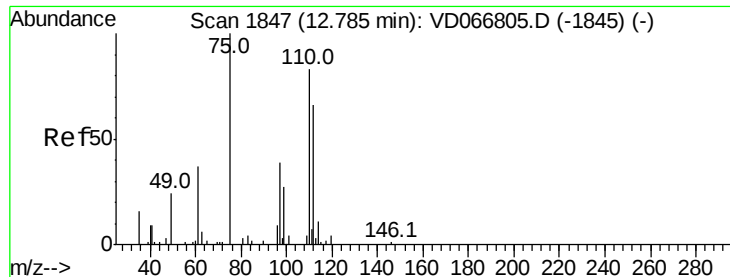
Tot Ion:117 Resp: 789852
Ion Ratio Lower Upper
117 100
82 53.2 41.8 62.6
119 31.7 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066972.D
Acq: 30 Sep 2020 14:30

Tgt Ion:152 Resp: 381817
Ion Ratio Lower Upper
152 100
115 58.1 30.3 91.0
150 154.9 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 57.916 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066972.D

Acq: 30 Sep 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

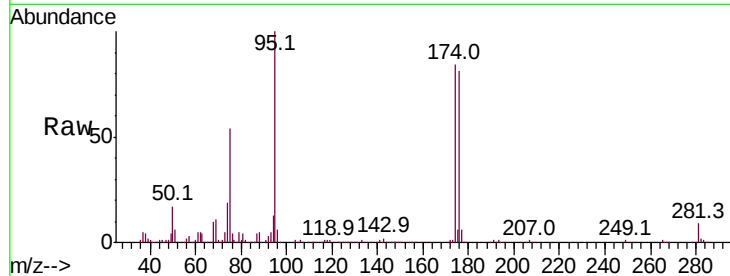
B-7(9-11)

Tot Ion: 75 Resp: 183257

Ion Ratio Lower Upper

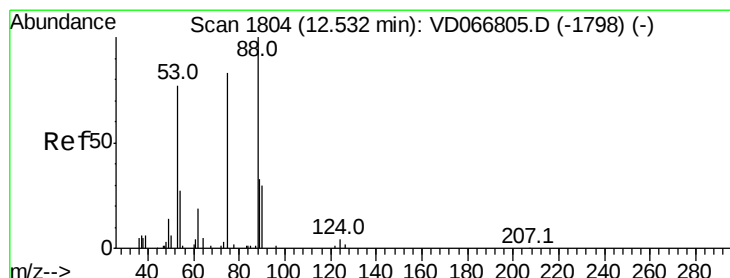
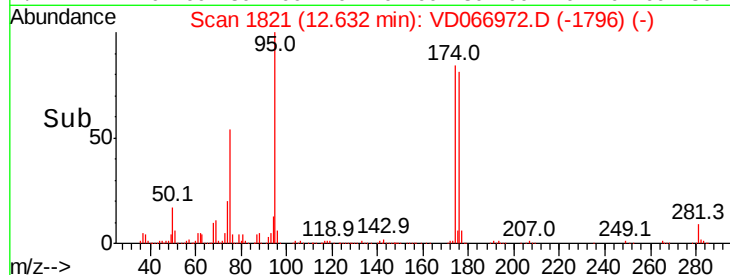
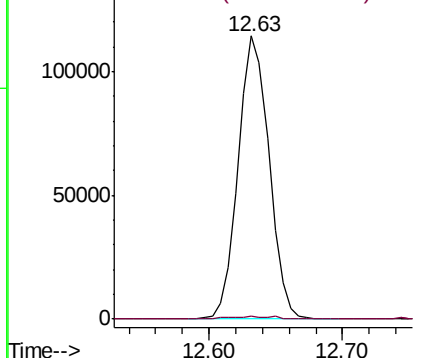
75 100

77 1.4 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: 144.900 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066972.D

Acq: 30 Sep 2020 14:30

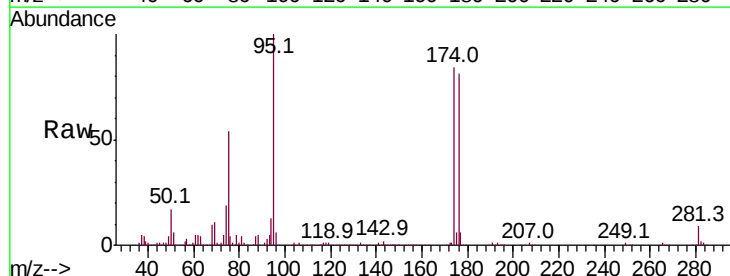
Tgt Ion: 75 Resp: 183257

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

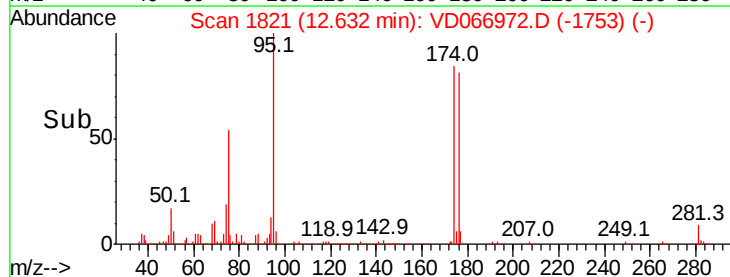
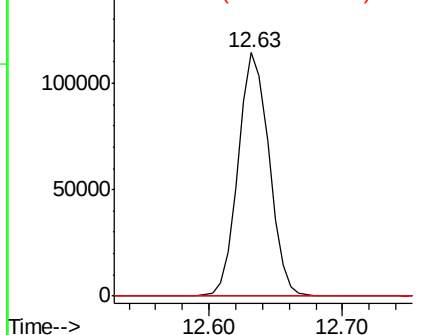
89 0.1 38.1 57.1#

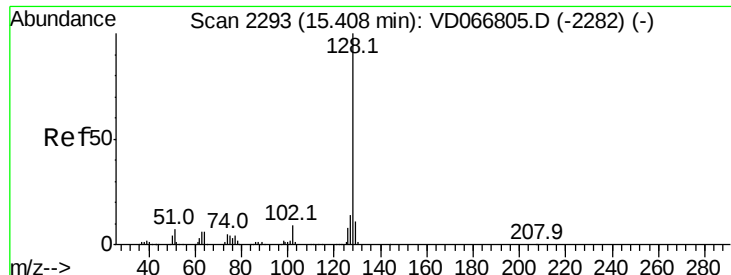


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 58.240 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066972.D

Acq: 30 Sep 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

B-7(9-11)

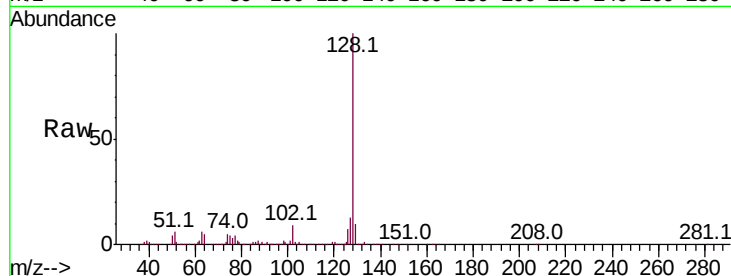
Tot Ion:128 Resp: 678696

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

