

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066921.D
 Acq On : 28 Sep 2020 18:50
 Operator : VA/SY
 Sample : L4172-01
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-6(3-4)

Quant Time: Sep 29 00:58:50 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	109613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	187469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	223930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	113275	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	85563	79.75	ug/l	0.00
Spiked Amount			Recovery	=	159.50%	
35) Dibromofluoromethane	7.91	113	76086	63.79	ug/l	0.00
Spiked Amount			Recovery	=	127.58%	
50) Toluene-d8	10.34	98	237177	58.37	ug/l	0.00
Spiked Amount			Recovery	=	116.74%	
62) 4-Bromofluorobenzene	12.63	95	99977	71.87	ug/l	0.00
Spiked Amount			Recovery	=	143.74%	

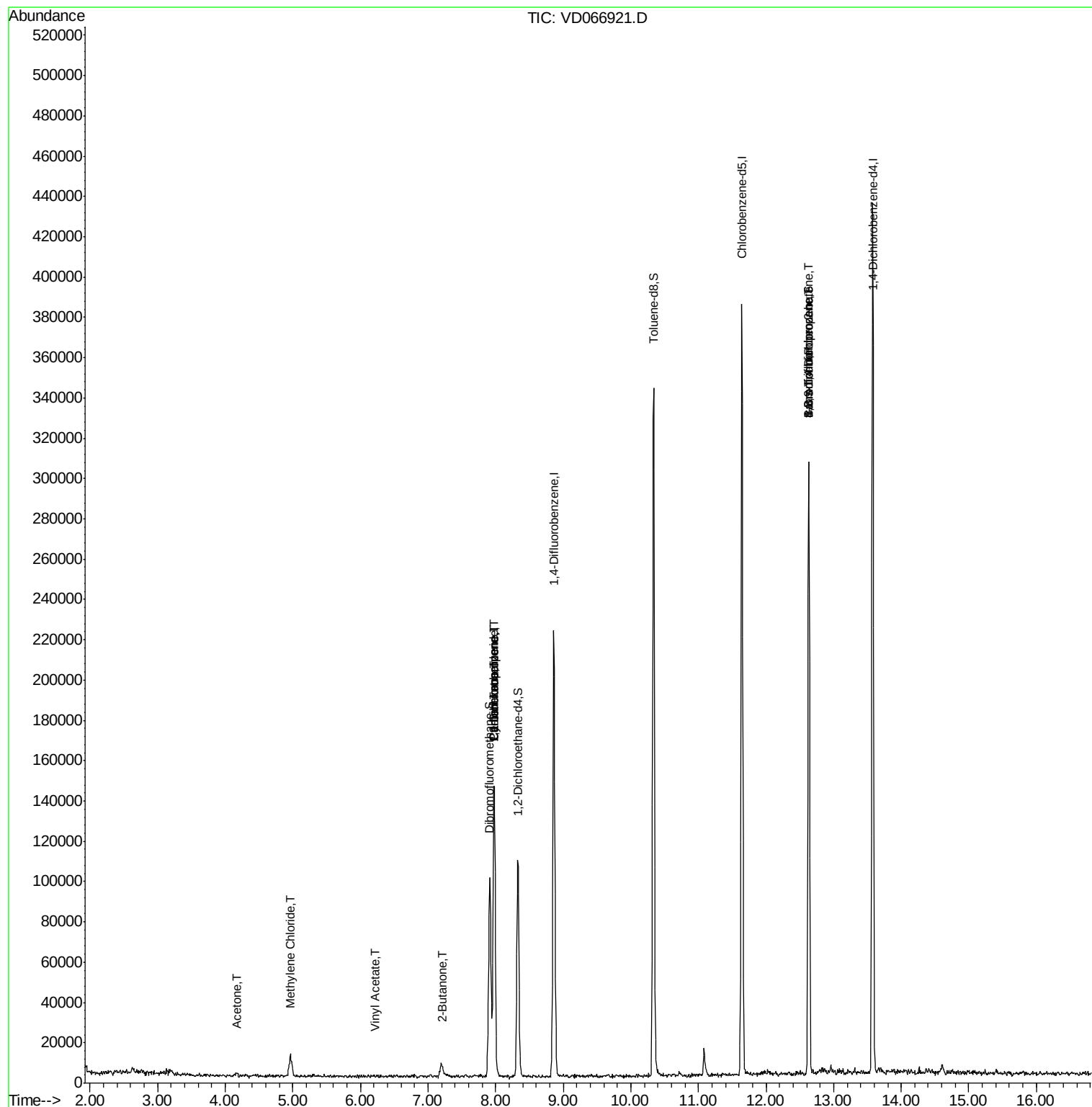
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.22	85	62	Below Cal	#	46
11) Tert butyl alcohol	5.17	59	55	Below Cal	#	72
16) Acetone	4.17	43	2724	11.969	ug/l #	79
18) Methyl Acetate	4.71	43	62	Below Cal	#	50
20) Methylene Chloride	4.97	84	8294	1.054	ug/l #	76
23) Vinyl Acetate	6.22	43	67	2.710	ug/l #	71
25) 2-Butanone	7.21	43	543	1.985	ug/l #	46
31) Cyclohexane	7.97	56	2745	1.407	ug/l #	25
36) 1,1-Dichloropropene	7.97	75	9037	4.859	ug/l #	45
38) Carbon Tetrachloride	7.97	117	11555	5.683	ug/l #	16
71) Bromoform	12.63	173	963	1.078	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	49734	52.980	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	49734	132.551	ug/l #	10

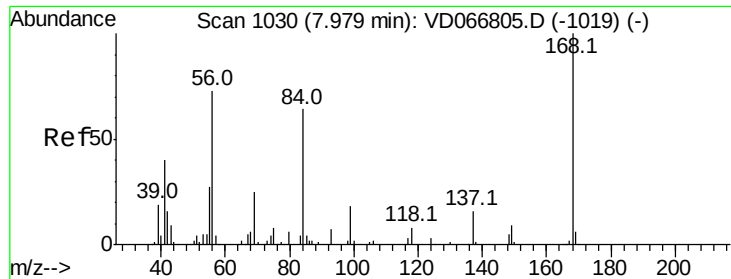
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 23 01:34:05 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066921.D

Acq: 28 Sep 2020 18:50

Instrument :

MSVOA_D

ClientSampleId :

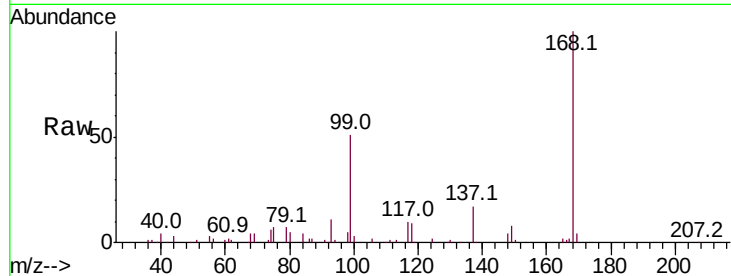
B-6(3-4)

Tot Ion:168 Resp: 109613

Ion Ratio Lower Upper

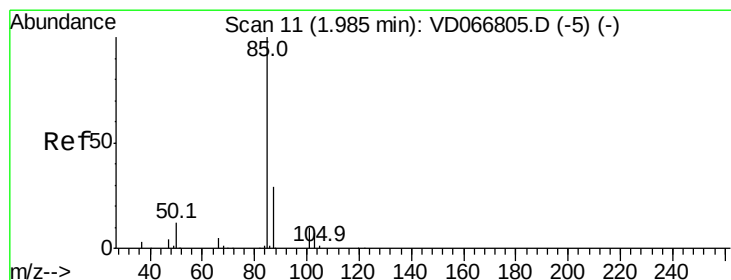
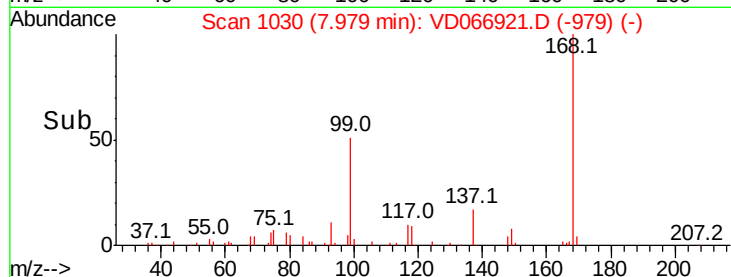
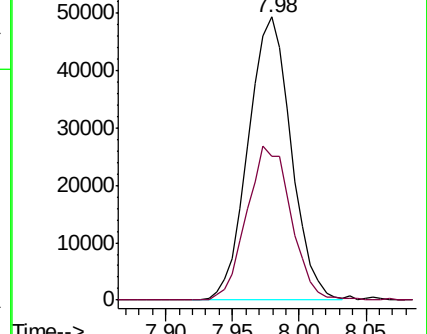
168 100

99 50.9 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: 2.22 min Scan# 51

Delta R.T. 0.24 min

Lab File: VD066921.D

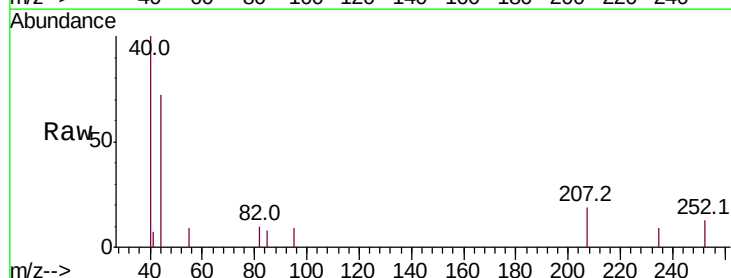
Acq: 28 Sep 2020 18:50

Tgt Ion: 85 Resp: 62

Ion Ratio Lower Upper

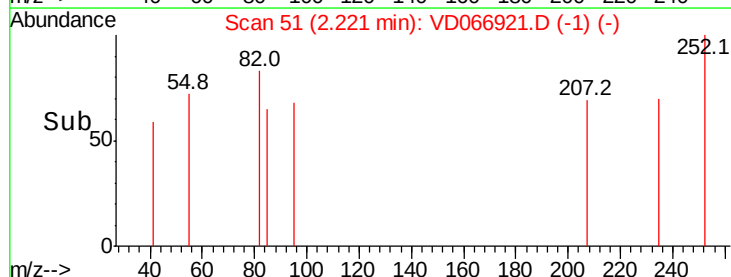
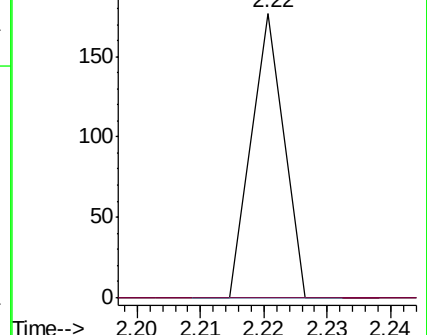
85 100

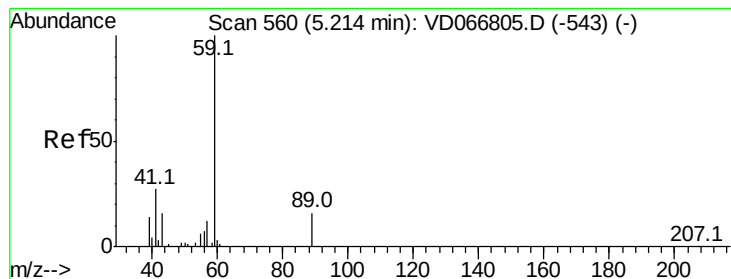
87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



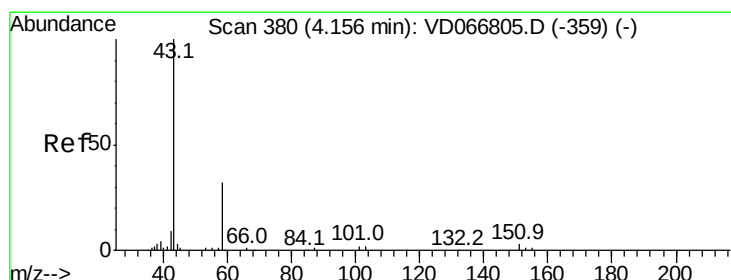
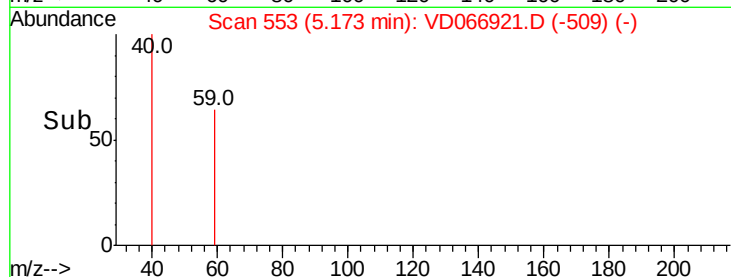
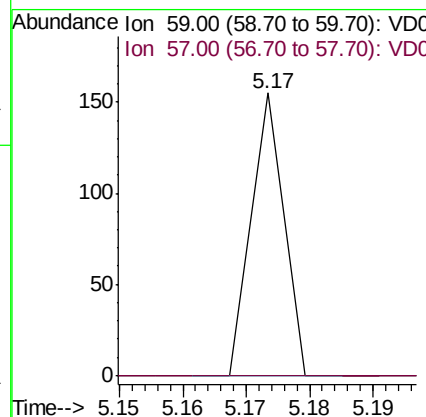
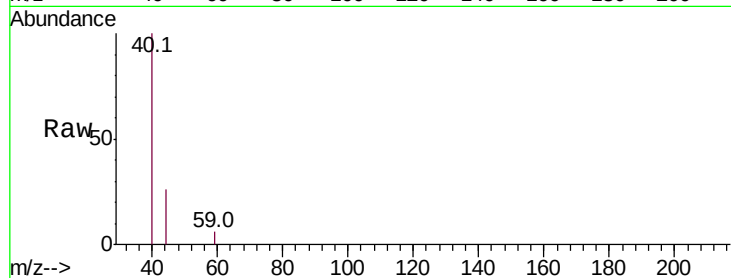


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 553
 Delta R.T. -0.04 min
 Lab File: VD066921.D
 Acq: 28 Sep 2020 18:50

Instrument :
 MSVOA_D
 ClientSampleId :
 B-6(3-4)

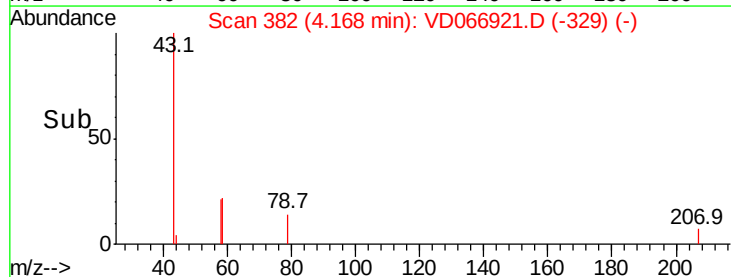
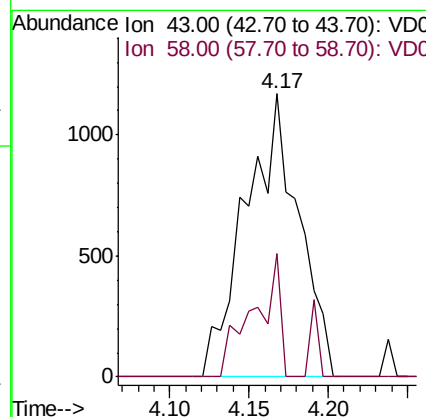
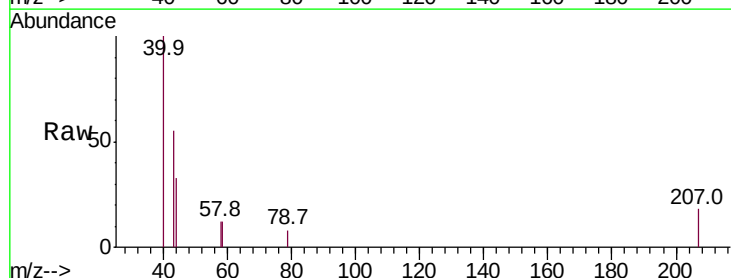
Tot Ion: 59 Resp: 55
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

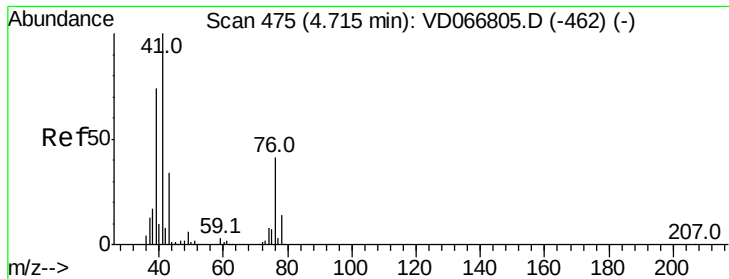


#16

Acetone
 Concen: 11.969 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD066921.D
 Acq: 28 Sep 2020 18:50

Tgt Ion: 43 Resp: 2724
 Ion Ratio Lower Upper
 43 100
 58 43.5 25.6 38.4#

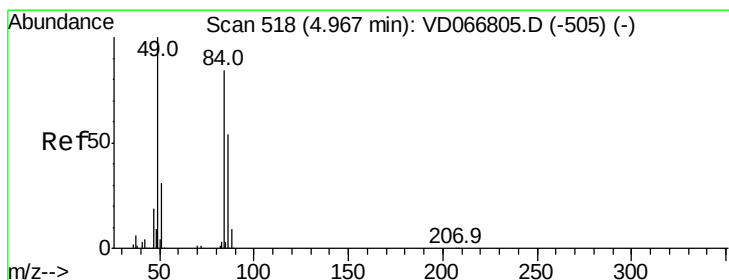
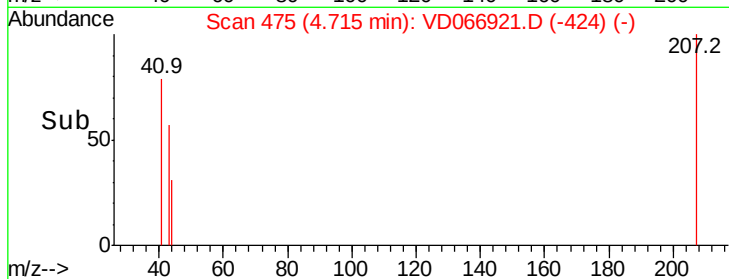
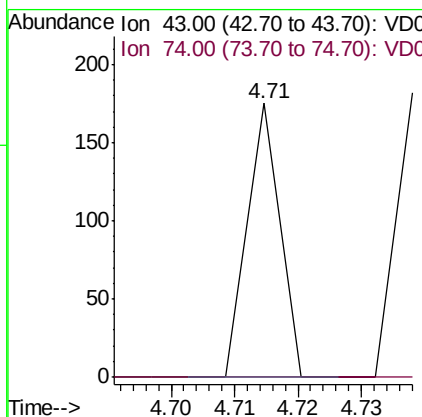
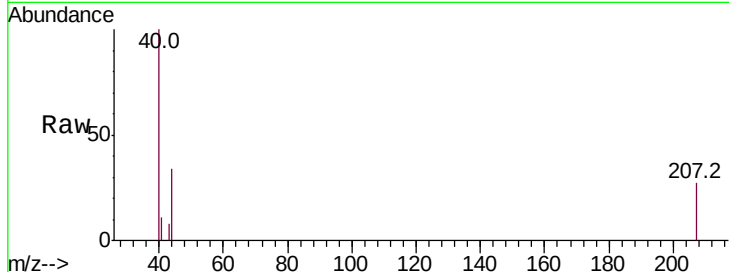




#18
Methvl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066921.D
Acq: 28 Sep 2020 18:50

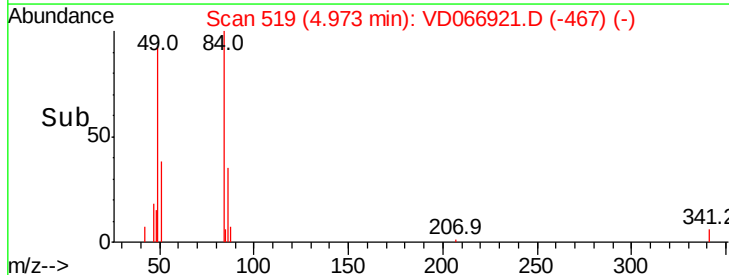
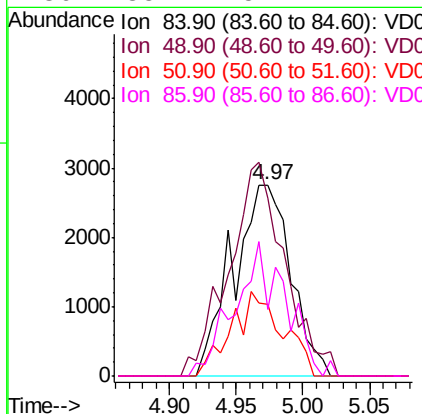
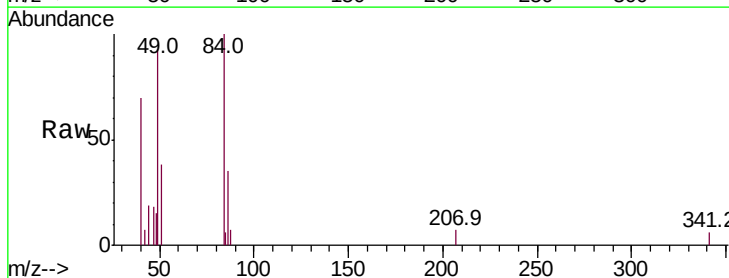
Instrument :
MSVOA_D
ClientSampleId :
B-6(3-4)

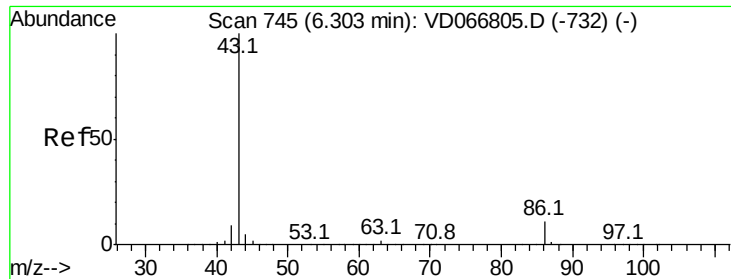
Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 1.054 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066921.D
Acq: 28 Sep 2020 18:50

Tgt Ion: 84 Resp: 8294
Ion Ratio Lower Upper
84 100
49 93.5 95.4 143.2#
51 37.6 29.7 44.5
86 35.2 51.4 77.2#

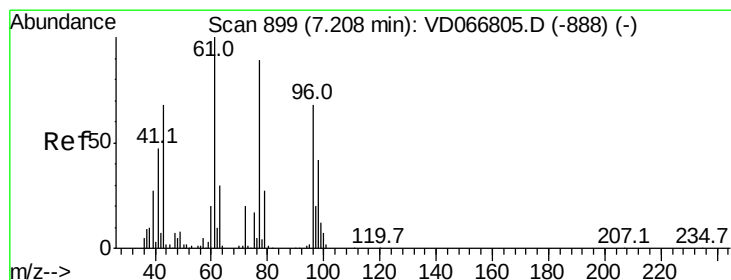
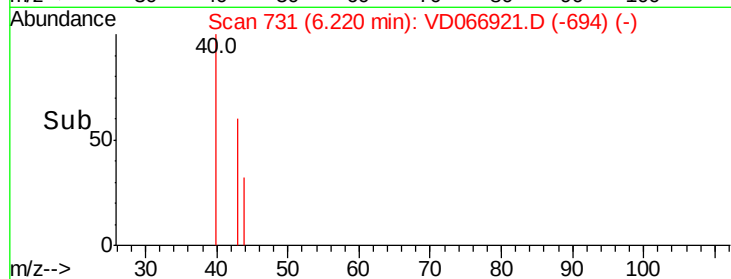
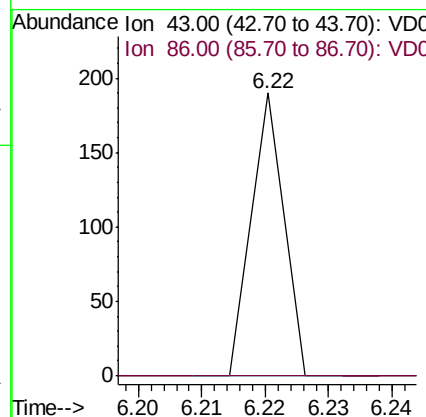
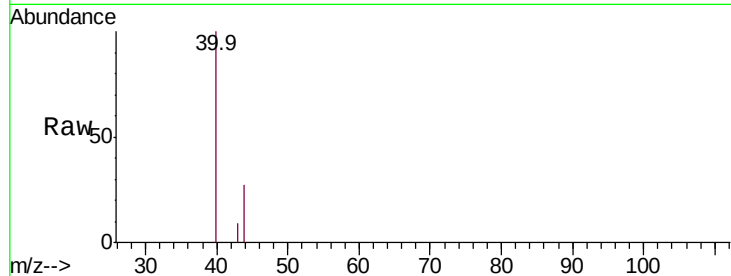




#23
 Vinyl Acetate
 Concen: 2.710 ug/l
 RT: 6.22 min Scan# 731
 Delta R.T. -0.08 min
 Lab File: VD066921.D
 Acq: 28 Sep 2020 18:50

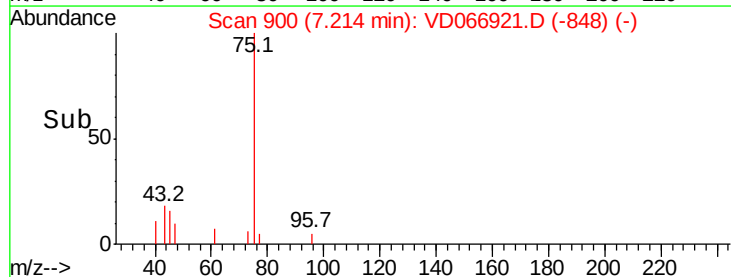
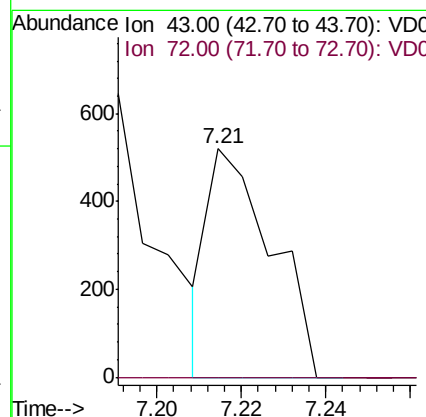
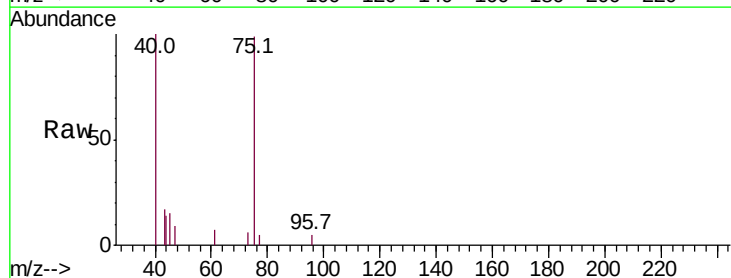
Instrument :
 MSVOA_D
 ClientSampleId :
 B-6(3-4)

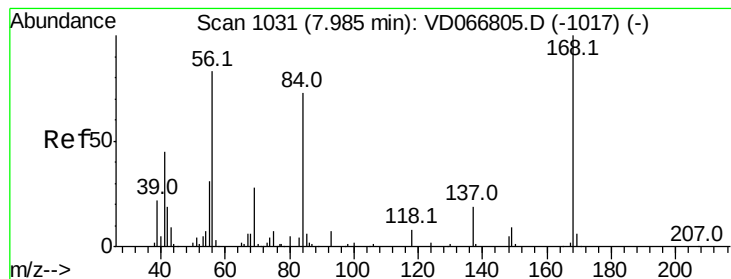
Tot Ion: 43 Resp: 67
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.9 13.3#



#25
 2-Butanone
 Concen: 1.985 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066921.D
 Acq: 28 Sep 2020 18:50

Tgt Ion: 43 Resp: 543
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.9 34.3#





#31

Cyclohexane

Concen: 1.407 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066921.D

Acq: 28 Sep 2020 18:50

Instrument :

MSVOA_D

ClientSampleId :

B-6(3-4)

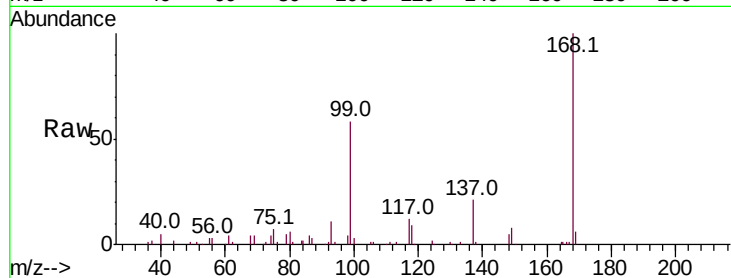
Tot Ion: 56 Resp: 2745

Ion Ratio Lower Upper

56 100

69 145.4 27.0 40.4#

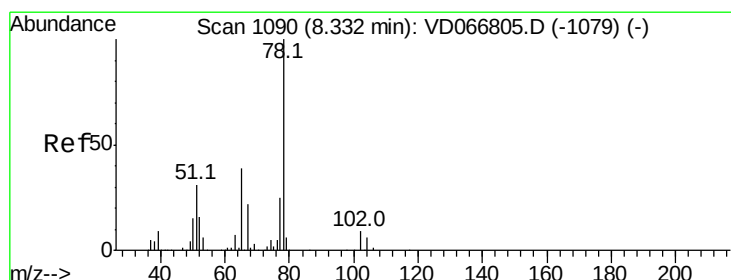
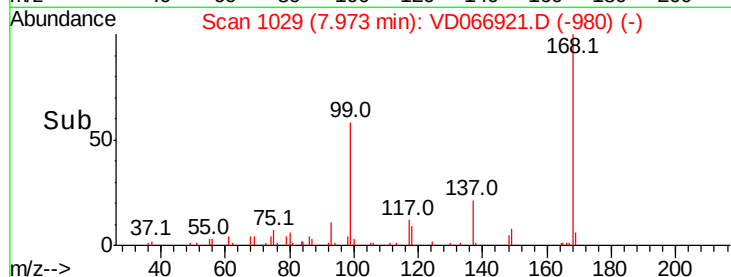
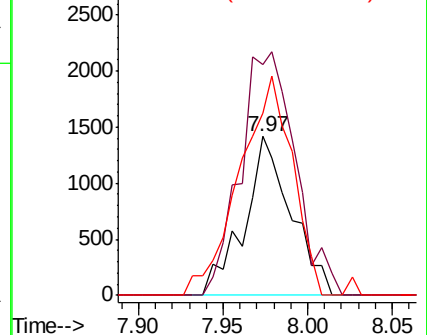
84 115.0 70.2 105.4#



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: 79.753 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066921.D

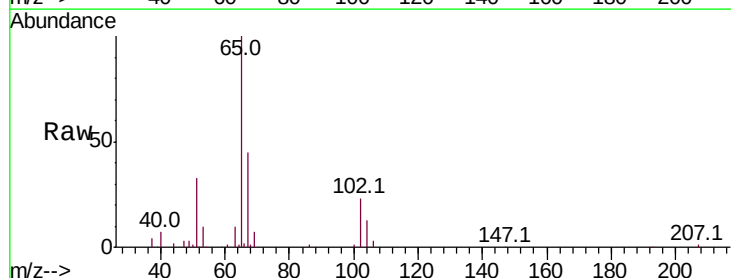
Acq: 28 Sep 2020 18:50

Tgt Ion: 65 Resp: 85563

Ion Ratio Lower Upper

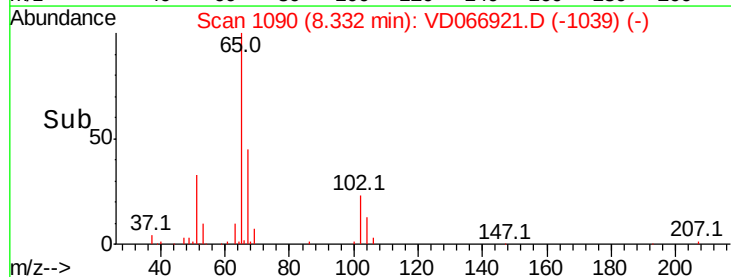
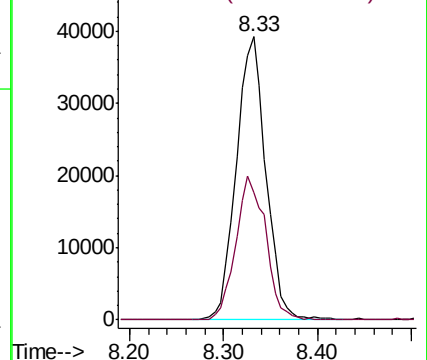
65 100

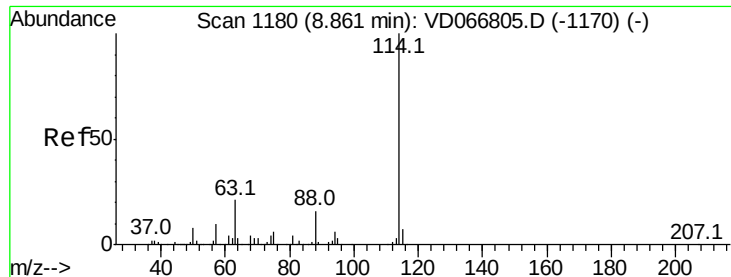
67 51.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

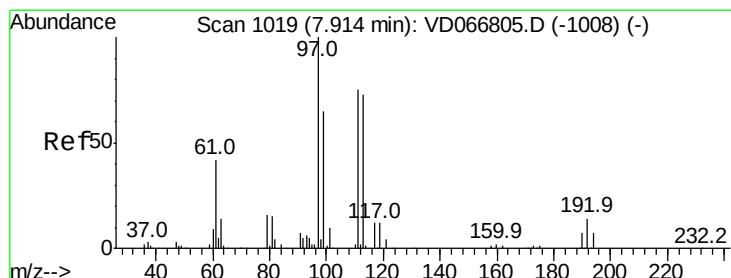
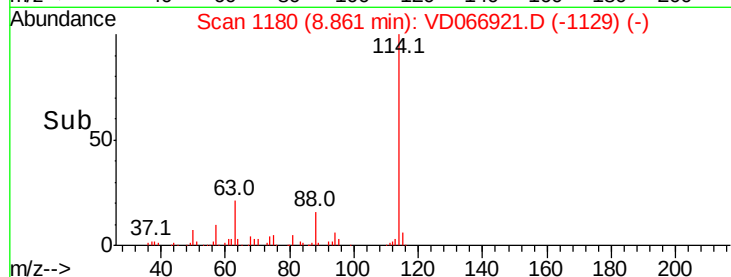
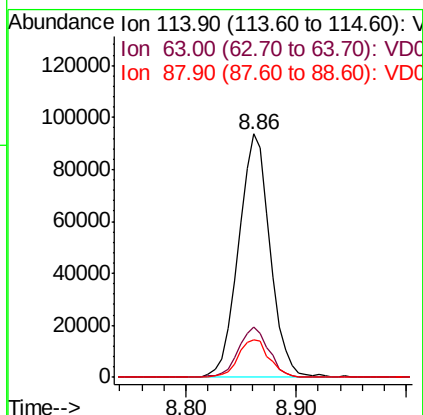
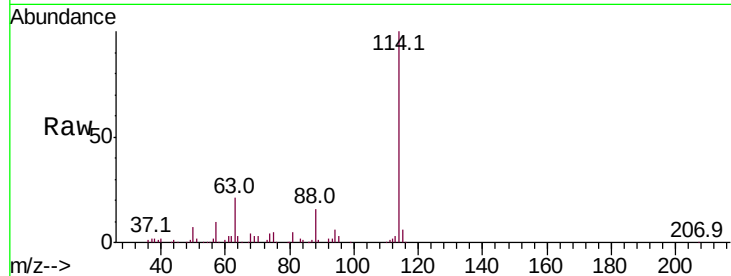




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066921.D
 Acq: 28 Sep 2020 18:50

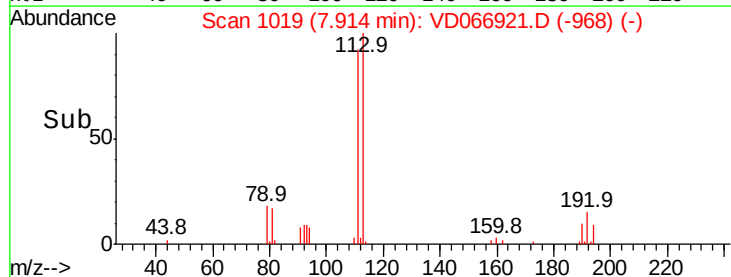
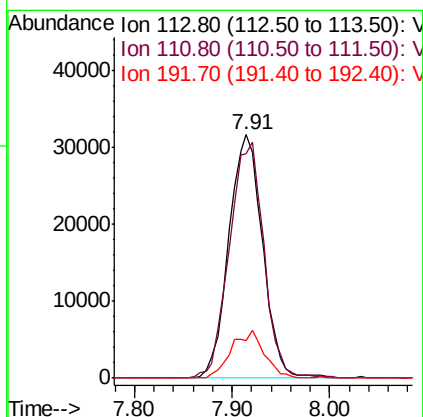
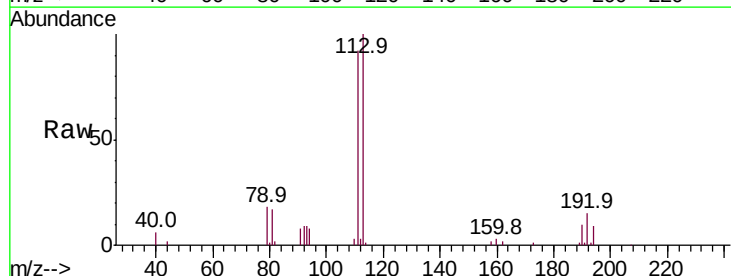
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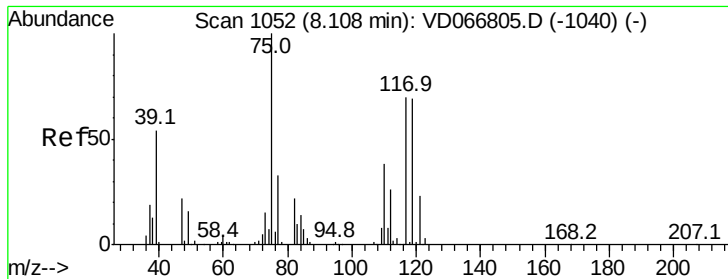
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	42.6
88	15.6	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 63.794 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066921.D
 Acq: 28 Sep 2020 18:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.4	81.8	122.8
192	19.0	14.4	21.6

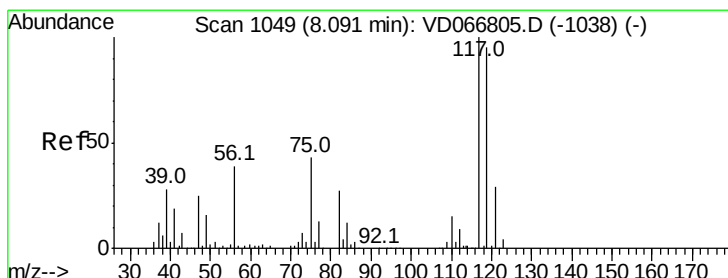
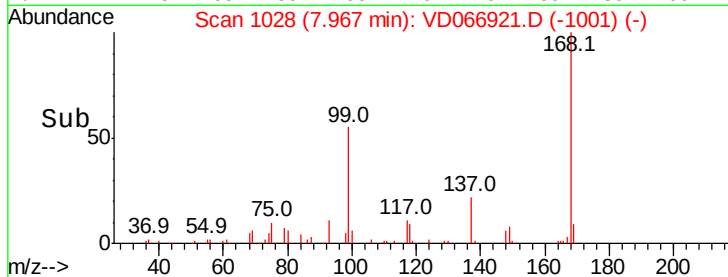
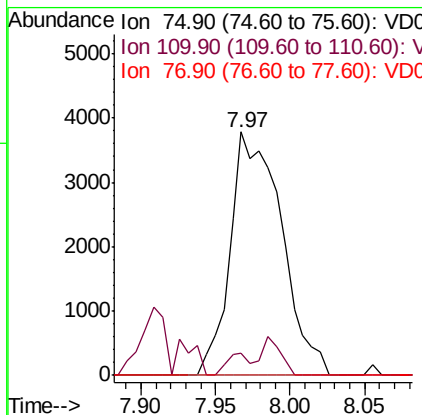
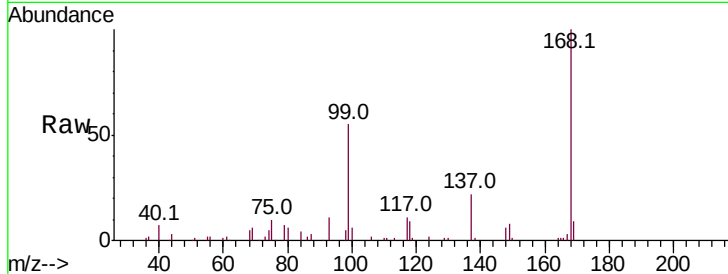




#36
 1,1-Dichloropropene
 Concen: 4.859 ug/l
 RT: 7.97 min Scan# 1028
 Delta R.T. -0.14 min
 Lab File: VD066921.D
 Acq: 28 Sep 2020 18:50

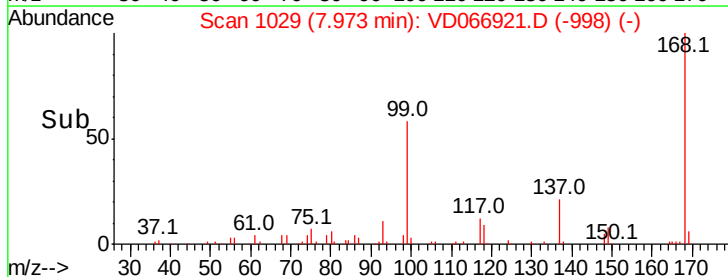
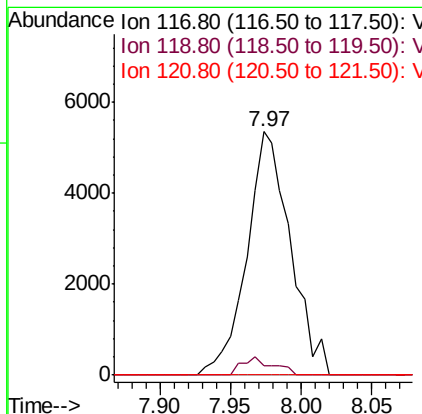
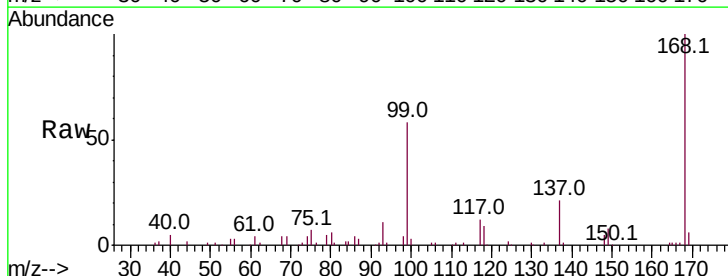
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 B-6(3-4)

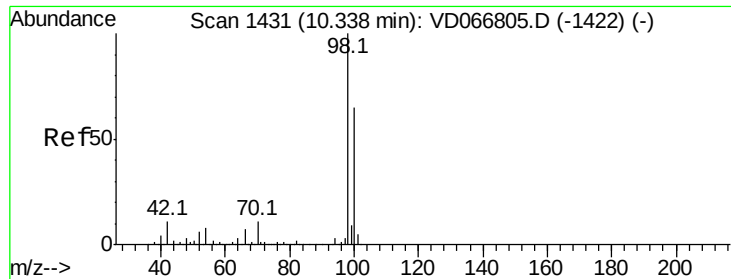
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.0	17.9	53.8#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.683 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066921.D
 Acq: 28 Sep 2020 18:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	75.8	113.8#
121	0.0	23.4	35.0#

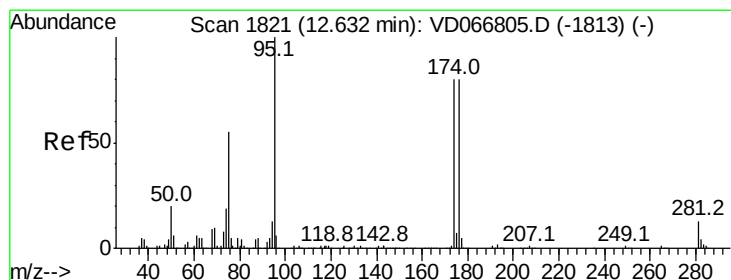
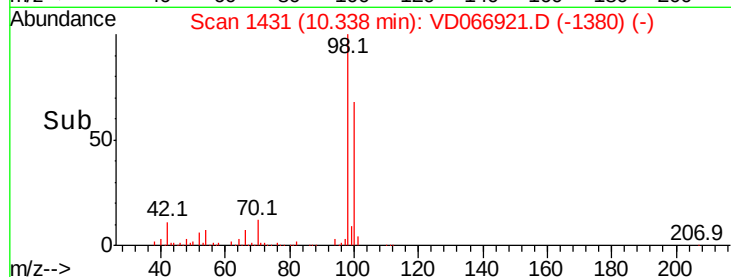
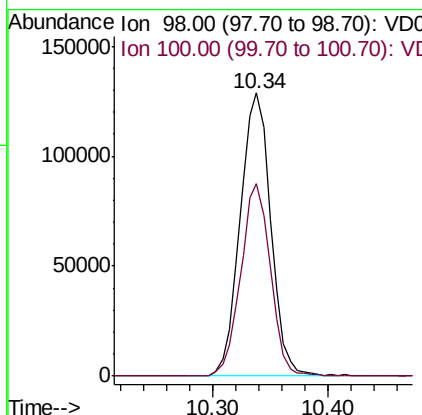
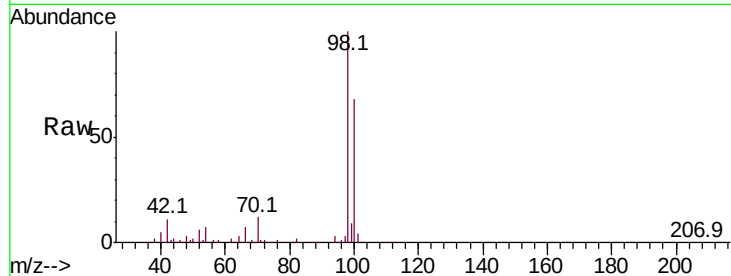




#50
Toluene-d8
Concen: 58.365 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066921.D
Acq: 28 Sep 2020 18:50

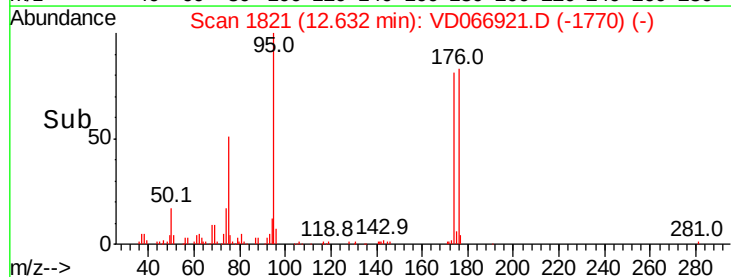
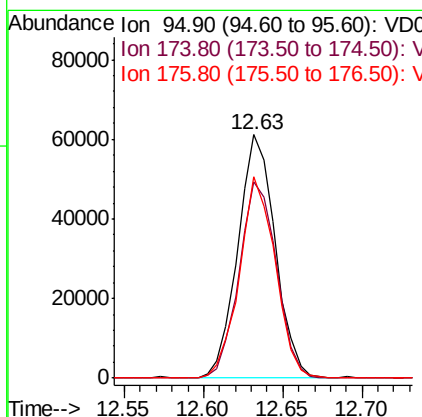
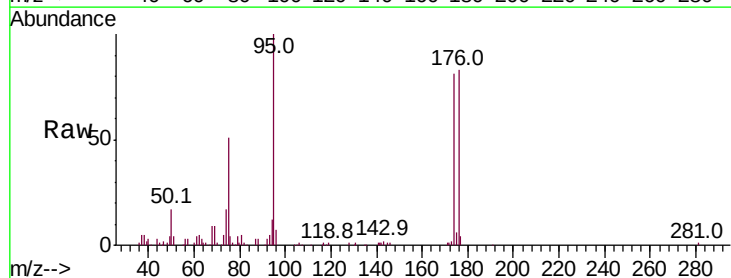
Instrument :
MSVOA_D
ClientSampleId :
B-6(3-4)

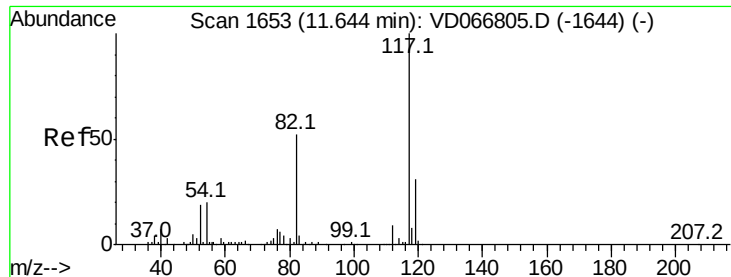
Tot Ion: 98 Resp: 237177
Ion Ratio Lower Upper
98 100
100 66.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 71.867 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066921.D
Acq: 28 Sep 2020 18:50

Tgt Ion: 95 Resp: 99977
Ion Ratio Lower Upper
95 100
174 81.1 0.0 159.8
176 79.6 0.0 154.4

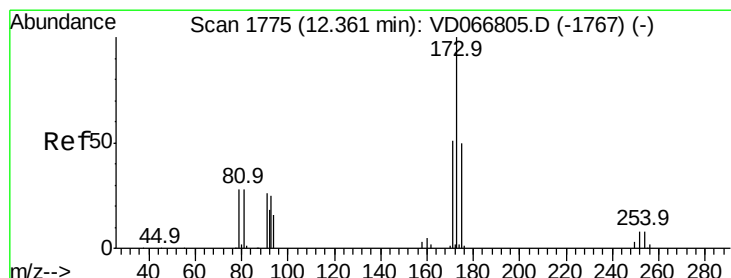
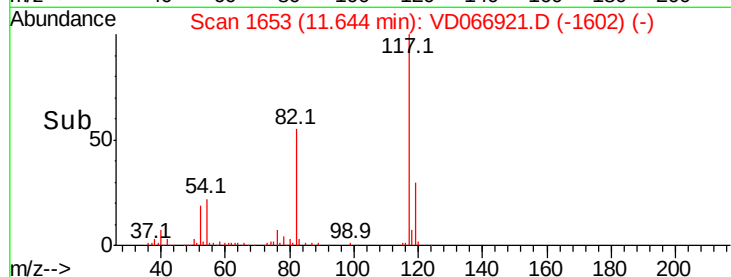
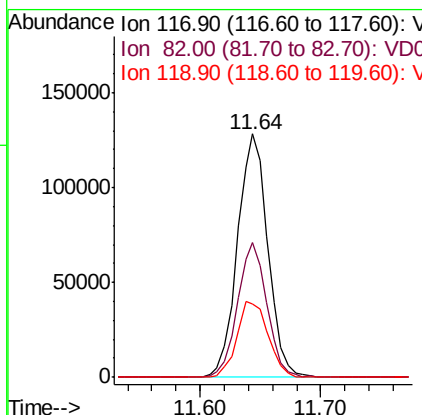
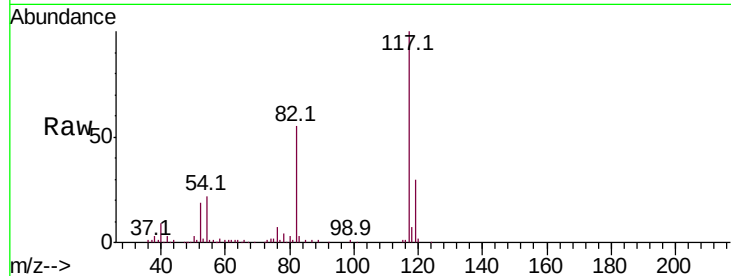




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066921.D
Acq: 28 Sep 2020 18:50

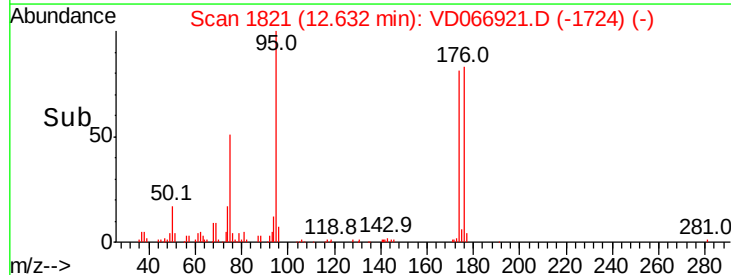
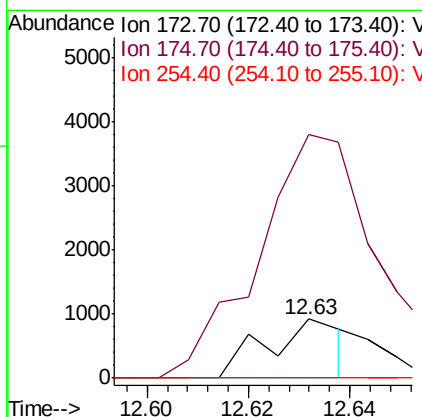
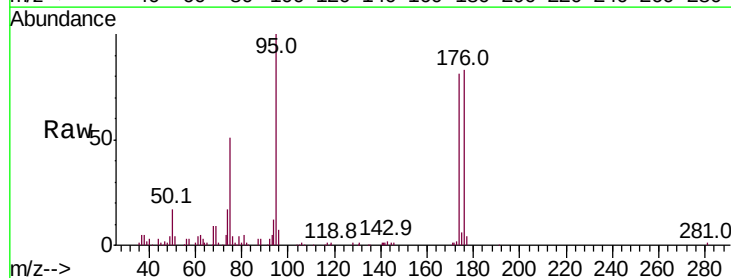
Instrument :
MSVOA_D
ClientSampleId :
B-6(3-4)

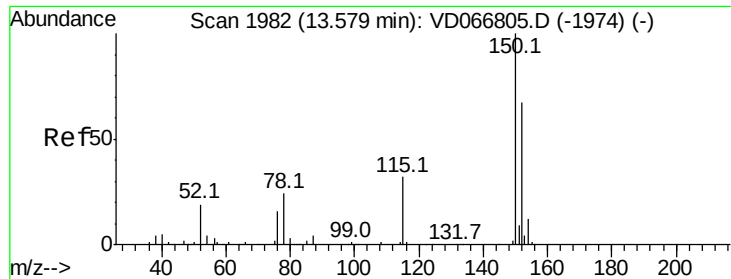
Tot Ion:117 Resp: 223930
Ion Ratio Lower Upper
117 100
82 55.5 41.8 62.6
119 30.1 24.6 37.0



#71
Bromoform
Concen: 1.078 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD066921.D
Acq: 28 Sep 2020 18:50

Tgt Ion:173 Resp: 963
Ion Ratio Lower Upper
173 100
175 478.2 24.9 74.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066921.D

Acq: 28 Sep 2020 18:50

Instrument :

MSVOA_D

ClientSampleId :

B-6(3-4)

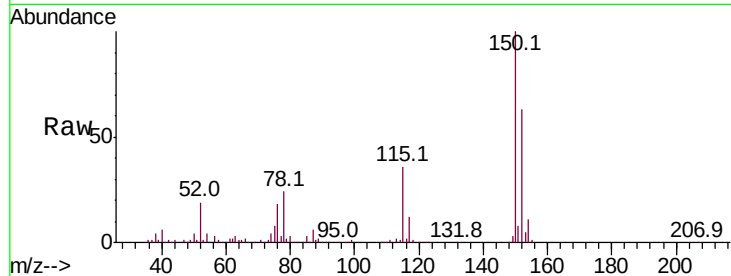
Tot Ion:152 Resp: 113275

Ion Ratio Lower Upper

152 100

115 60.8 30.3 91.0

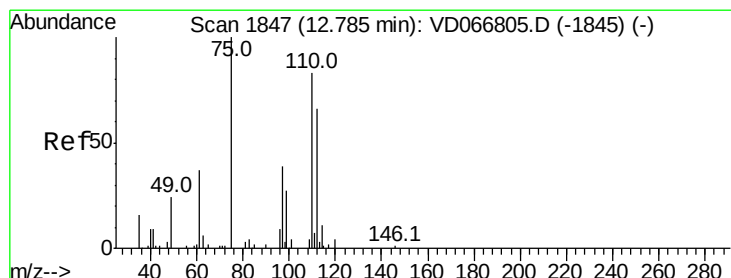
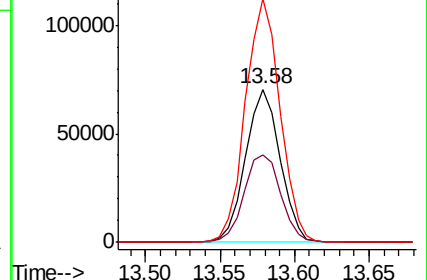
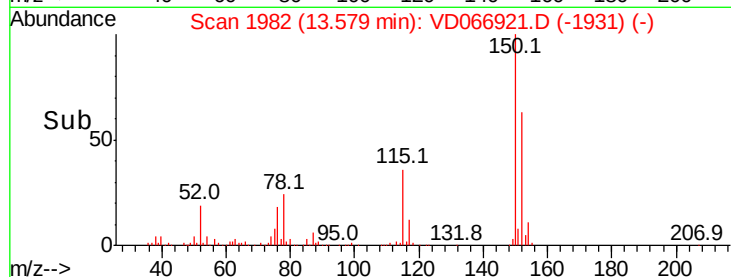
150 159.1 0.0 346.2



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



#76

1,2,3-Trichloropropane

Concen: 52.980 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066921.D

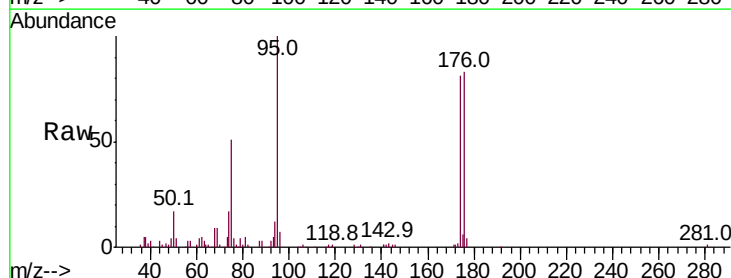
Acq: 28 Sep 2020 18:50

Tgt Ion: 75 Resp: 49734

Ion Ratio Lower Upper

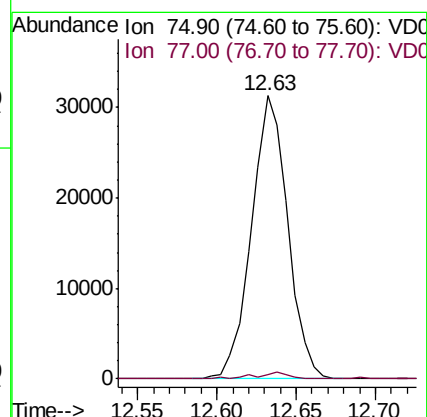
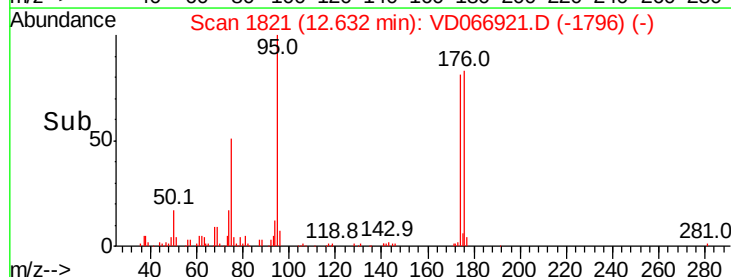
75 100

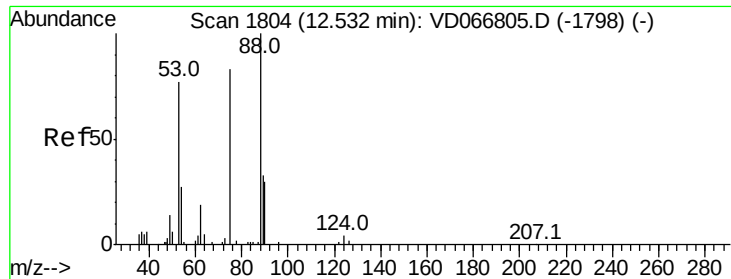
77 2.2 0.0 0.0#



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: 132.551 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066921.D

Acq: 28 Sep 2020 18:50

Instrument :

MSVOA_D

ClientSampleId :

B-6(3-4)

Tot Ion: 75 Resp: 49734

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 38.1 57.1#

