

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066908.D
 Acq On : 28 Sep 2020 12:52
 Operator : VA/SY
 Sample : L4130-01RE
 Misc : 7.97G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D-84

Quant Time: Sep 29 00:55:56 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	7.98	168	373796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	637422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	562898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	164609	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	188725	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
35) Dibromofluoromethane	7.91	113	202717	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.34	98	708981	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.63	95	205876	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	

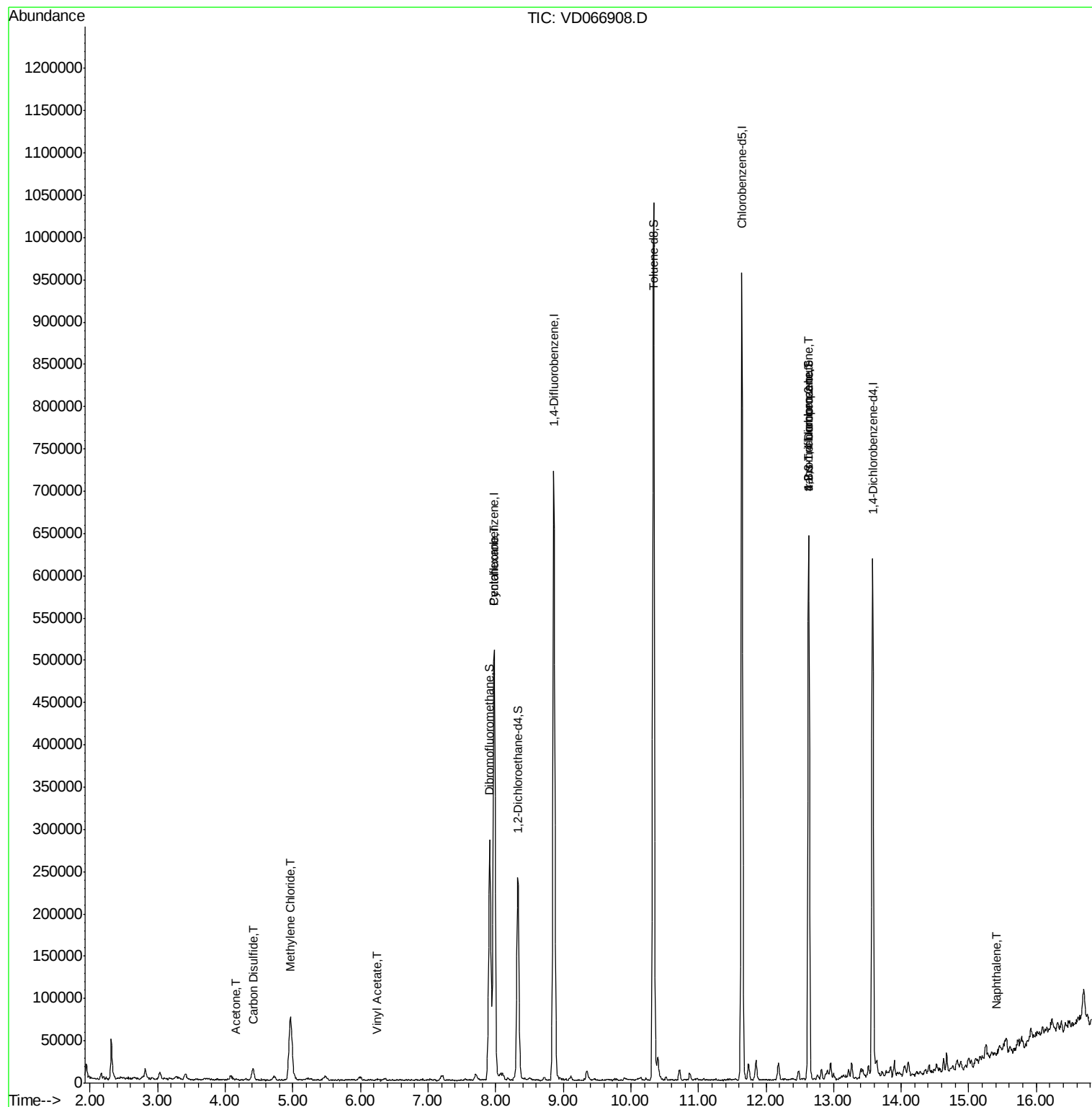
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1811	Below Cal		91
11) Tert butyl alcohol	5.22	59	3563	Below Cal	#	82
16) Acetone	4.16	43	2448	3.154	ug/l	98
17) Carbon Disulfide	4.41	76	28190	2.519	ug/l	97
18) Methyl Acetate	4.73	43	4418	Below Cal	#	50
20) Methylene Chloride	4.97	84	61007	9.896	ug/l	96
23) Vinyl Acetate	6.26	43	65	2.683	ug/l	# 71
31) Cyclohexane	7.97	56	10705	1.609	ug/l	# 5
49) 1,4-Dioxane	9.46	88	56	Below Cal	#	9
76) 1,2,3-Trichloropropane	12.63	75	105197	77.116	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	105197	192.936	ug/l	# 10
95) Naphthalene	15.40	128	6011	1.196	ug/l	96

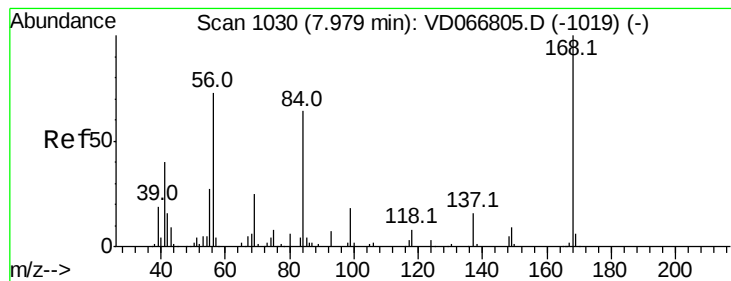
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092820\
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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: VD066908.D

Acq: 28 Sep 2020 12:52

Instrument :

MSVOA_D

ClientSampled :

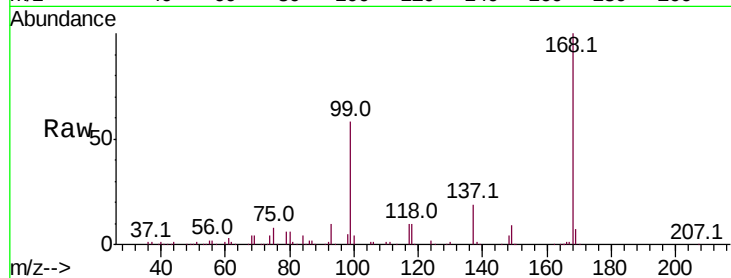
D-84

Tot Ion:168 Resp: 373796

Ion Ratio Lower Upper

168 100

99 57.8 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

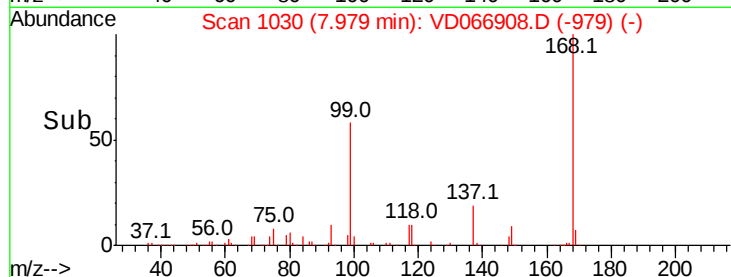
150000

100000

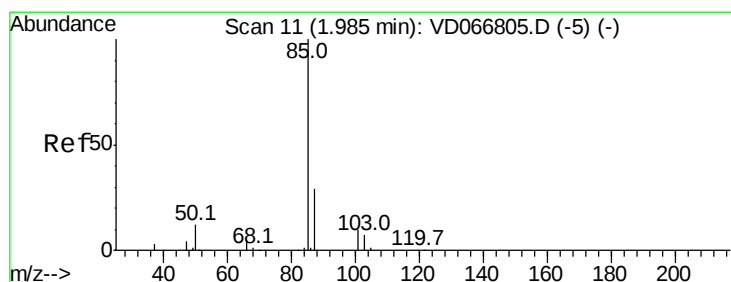
50000

0

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066908.D

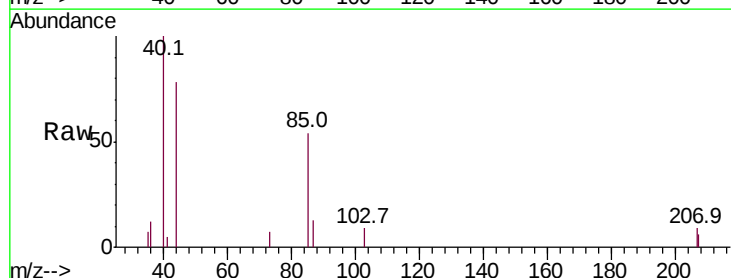
Acq: 28 Sep 2020 12:52

Tgt Ion: 85 Resp: 1811

Ion Ratio Lower Upper

85 100

87 24.3 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

2000

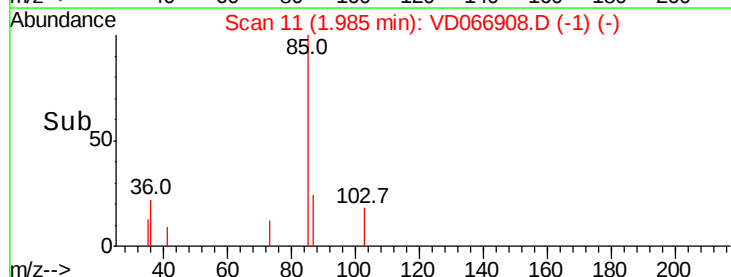
1500

1000

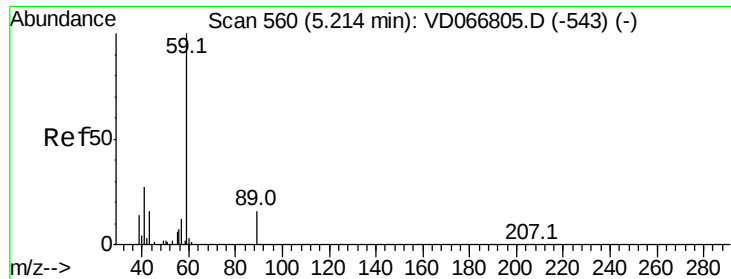
500

0

Time-->



Time-->

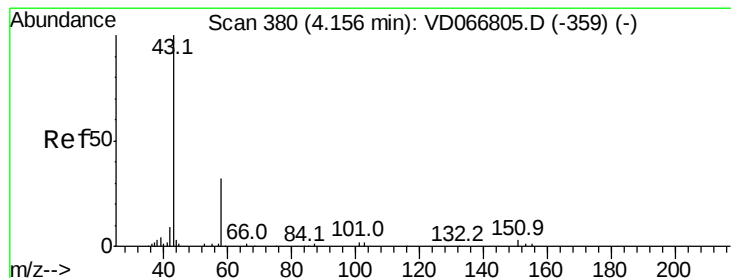
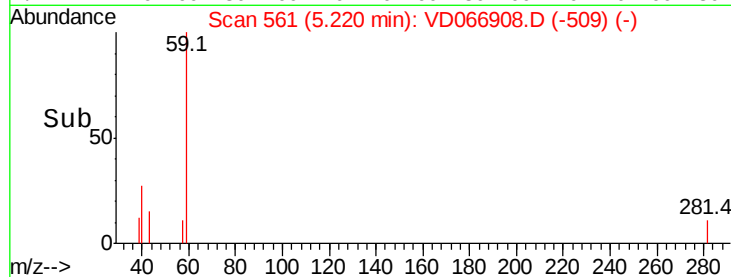
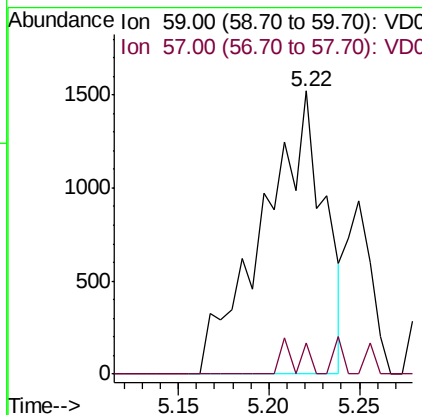
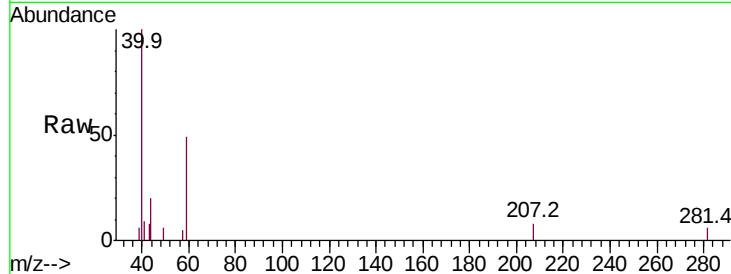


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD066908.D
 Acq: 28 Sep 2020 12:52

Instrument :
 MSVOA_D
 ClientSampled :
 D-84

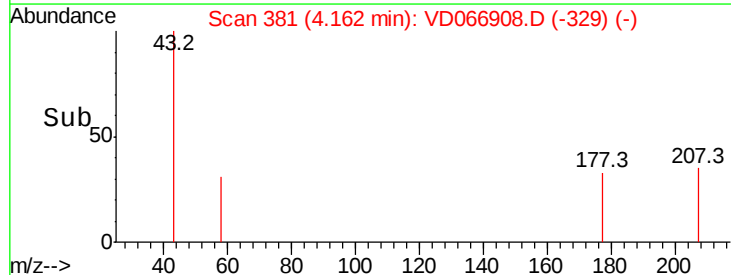
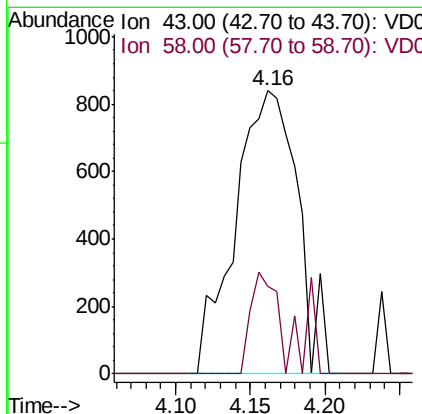
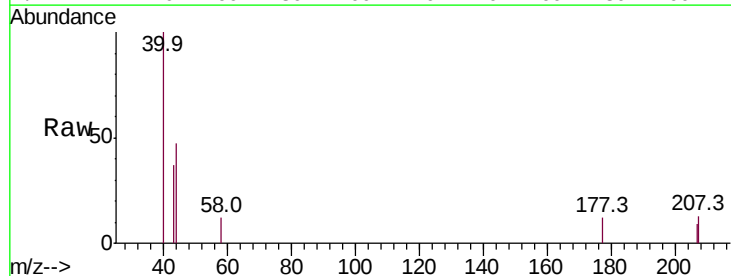
Tot Ion: 59 Resp: 3563
 Ion Ratio Lower Upper
 59 100
 57 3.5 8.3 12.5#

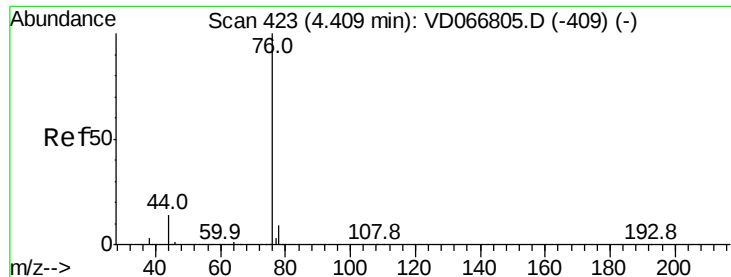


#16

Acetone
 Concen: 3.154 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066908.D
 Acq: 28 Sep 2020 12:52

Tgt Ion: 43 Resp: 2448
 Ion Ratio Lower Upper
 43 100
 58 30.9 25.6 38.4





#17

Carbon Disulfide

Concen: 2.519 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD066908.D

Acq: 28 Sep 2020 12:52

Instrument :

MSVOA_D

ClientSampled :

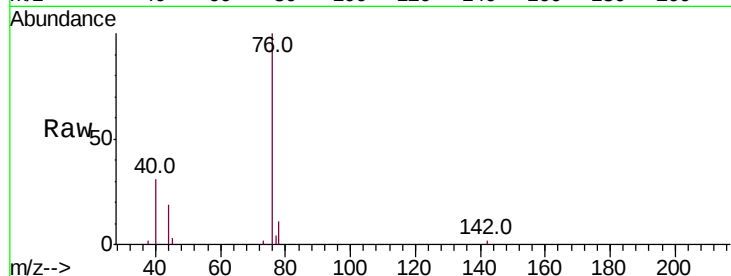
D-84

Tot Ion: 76 Resp: 28190

Ion Ratio Lower Upper

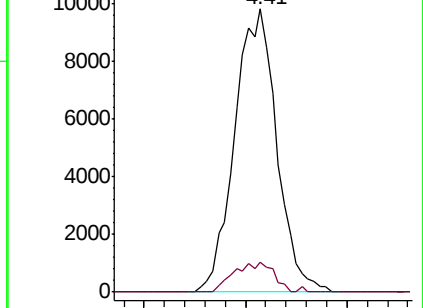
76 100

78 10.7 7.6 11.4

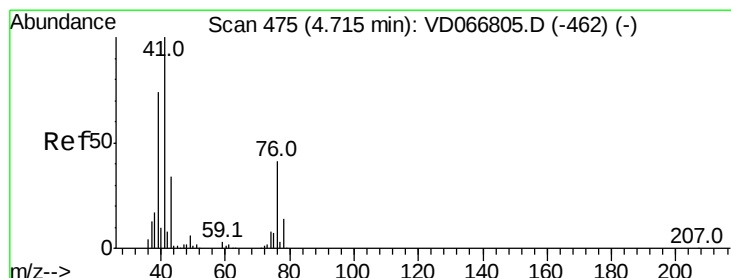
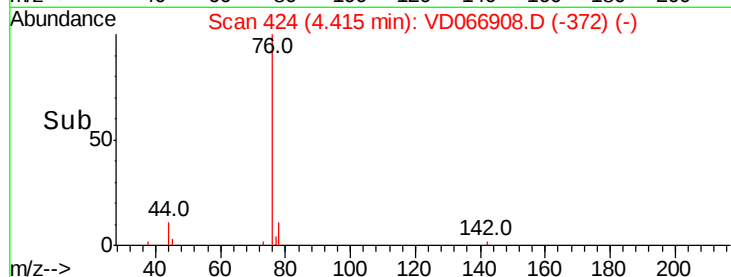


Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.73 min Scan# 478

Delta R.T. 0.02 min

Lab File: VD066908.D

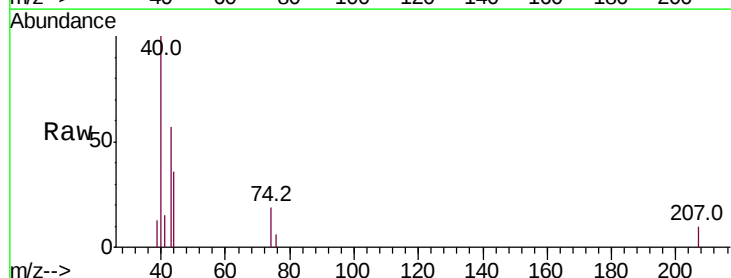
Acq: 28 Sep 2020 12:52

Tgt Ion: 43 Resp: 4418

Ion Ratio Lower Upper

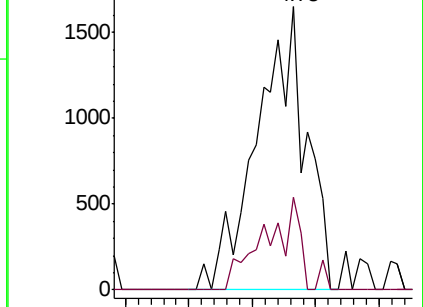
43 100

74 0.0 20.3 30.5#

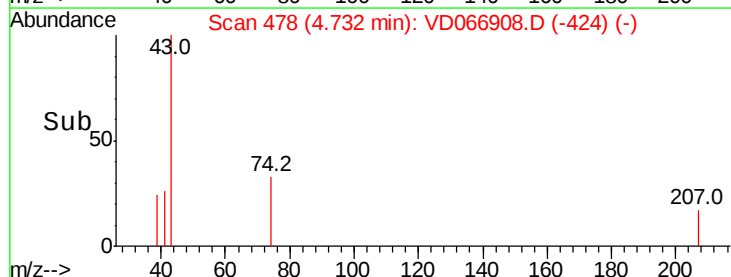


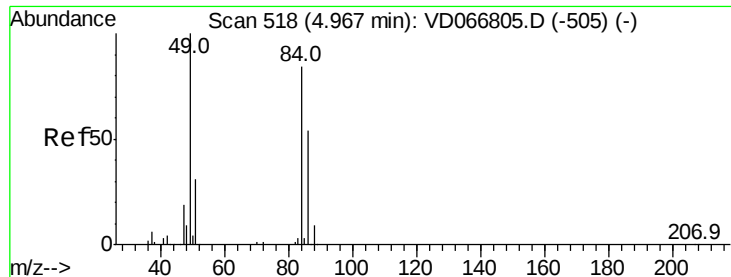
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->

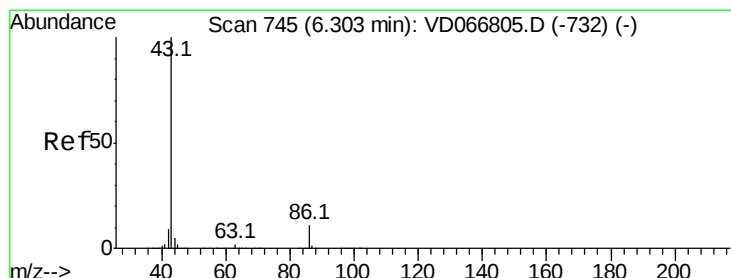
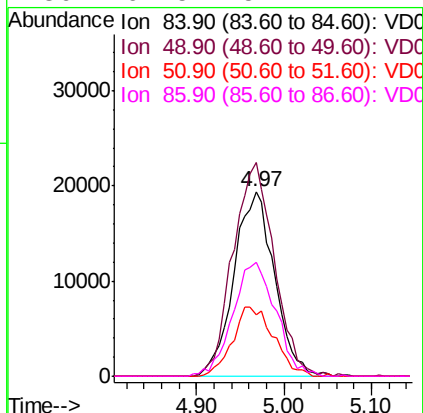
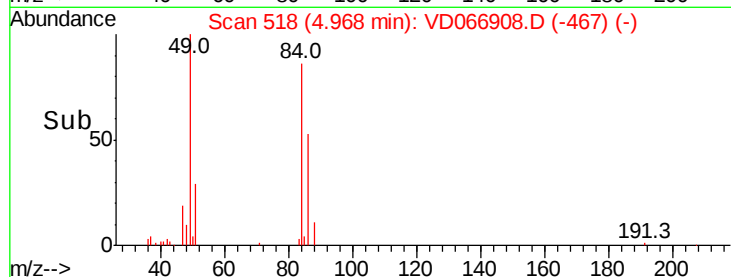
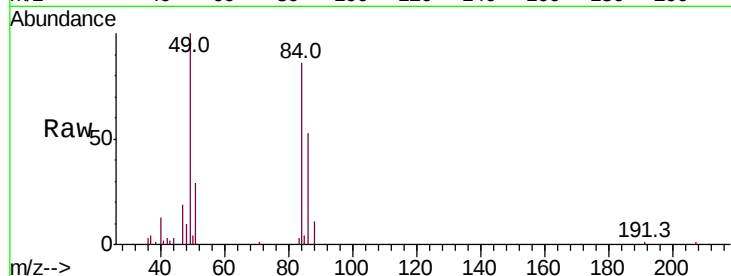




#20
Methvlene Chloride
Concen: 9.896 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066908.D
Acq: 28 Sep 2020 12:52

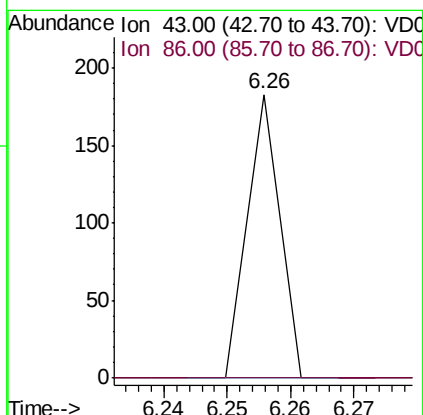
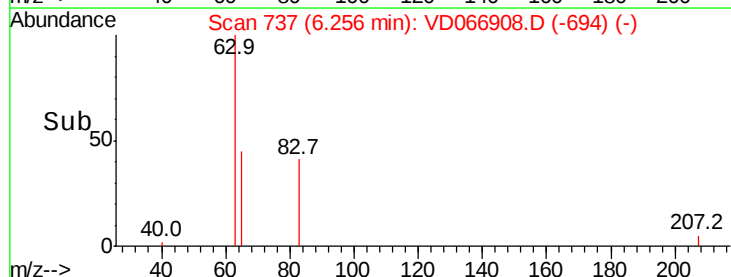
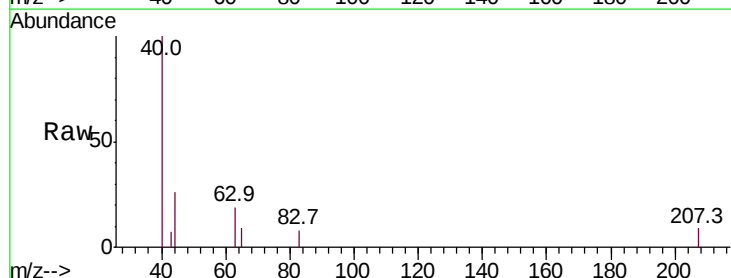
Instrument :
MSVOA_D
ClientSampleId :
D-84

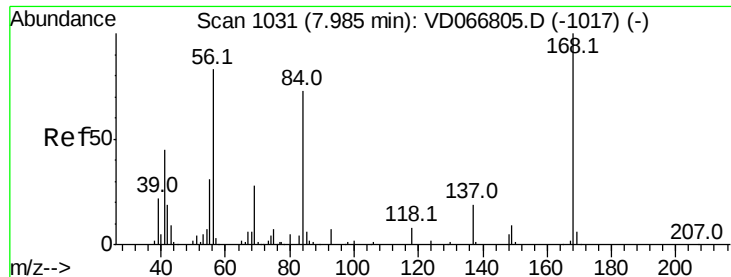
Tot Ion:	84	Resp:	61007
Ion	Ratio	Lower	Upper
84	100		
49	115.9	95.4	143.2
51	33.4	29.7	44.5
86	61.5	51.4	77.2



#23
Vinyl Acetate
Concen: 2.683 ug/l
RT: 6.26 min Scan# 737
Delta R.T. -0.05 min
Lab File: VD066908.D
Acq: 28 Sep 2020 12:52

Tgt Ion:	43	Resp:	65
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.9	13.3#





#31

Cyclohexane

Concen: 1.609 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066908.D

Acq: 28 Sep 2020 12:52

Instrument :

MSVOA_D

ClientSampleId :

D-84

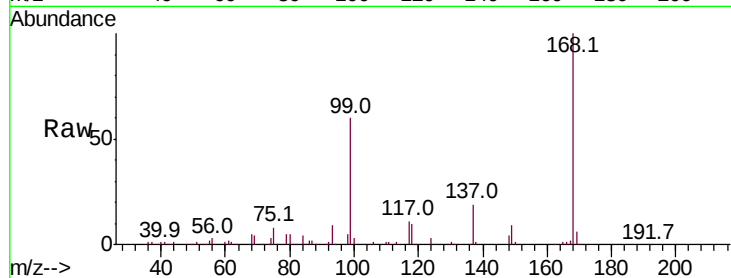
Tot Ion: 56 Resp: 10705

Ion Ratio Lower Upper

56 100

69 130.8 27.0 40.4#

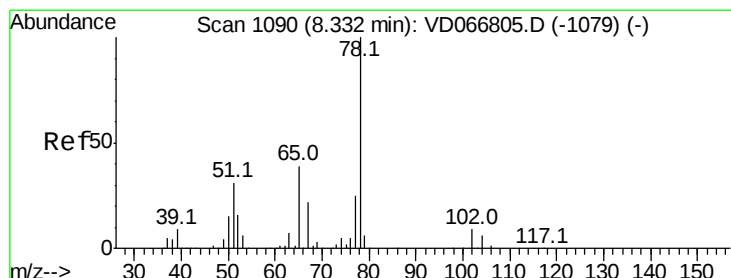
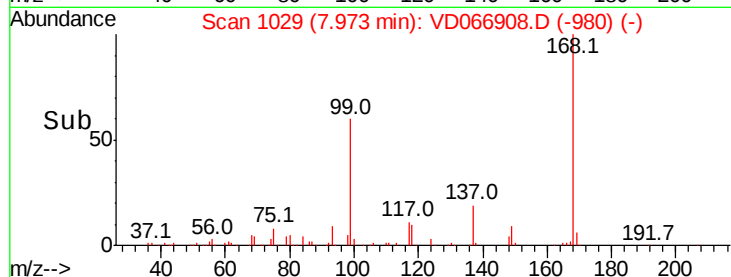
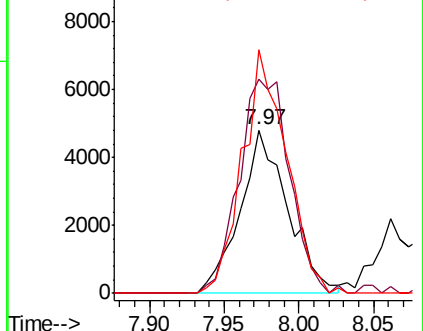
84 149.1 70.2 105.4#



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: 51.584 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066908.D

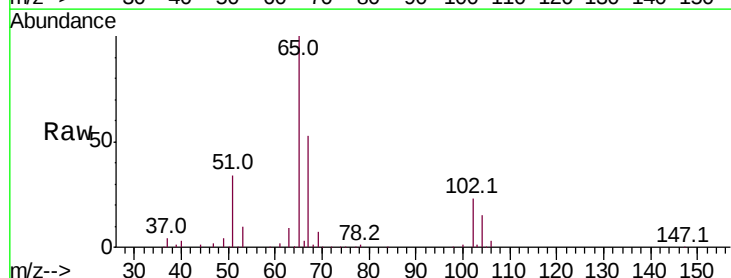
Acq: 28 Sep 2020 12:52

Tgt Ion: 65 Resp: 188725

Ion Ratio Lower Upper

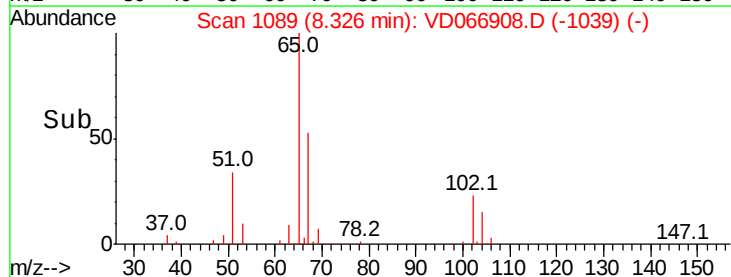
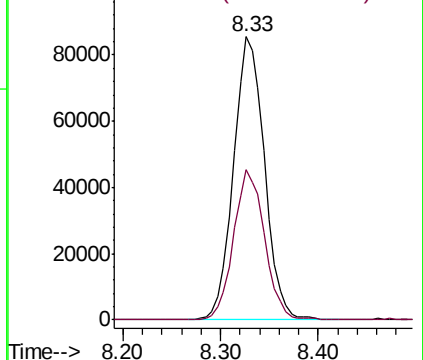
65 100

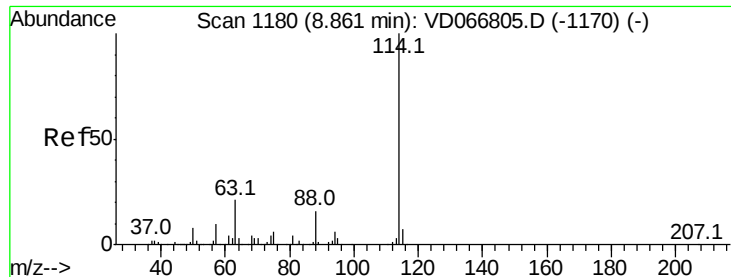
67 53.2 0.0 107.2



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: VD066908.D

Acq: 28 Sep 2020 12:52

Instrument :

MSVOA_D

ClientSampleId :

D-84

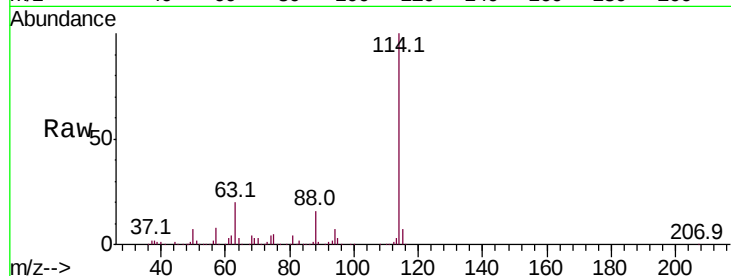
Tot Ion:114 Resp: 637422

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

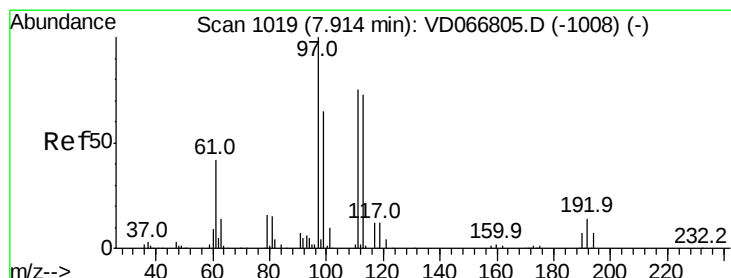
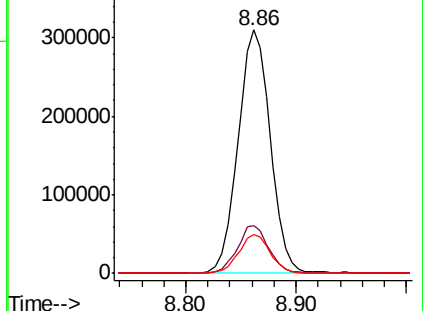
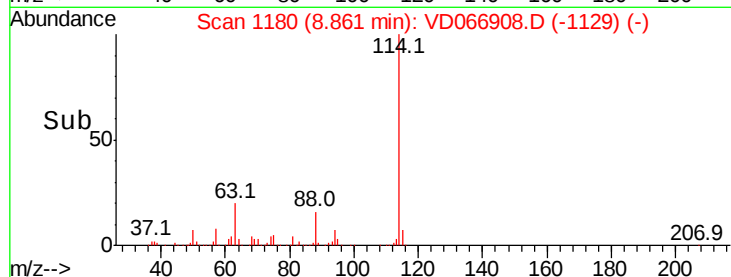
88 16.1 0.0 32.6



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: 49.988 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066908.D

Acq: 28 Sep 2020 12:52

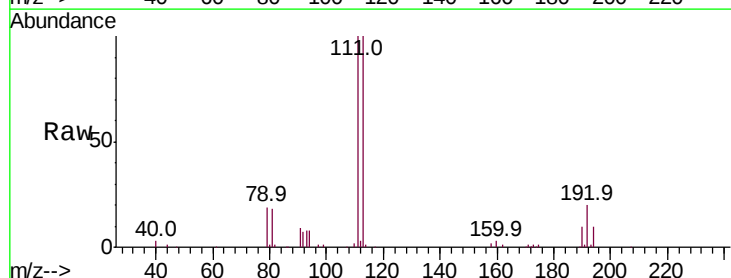
Tgt Ion:113 Resp: 202717

Ion Ratio Lower Upper

113 100

111 101.3 81.8 122.8

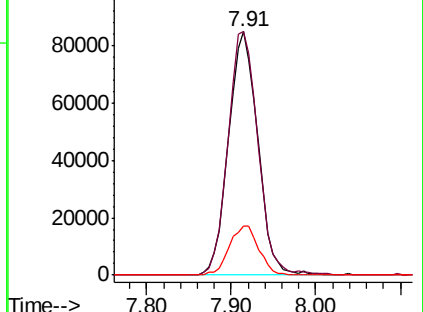
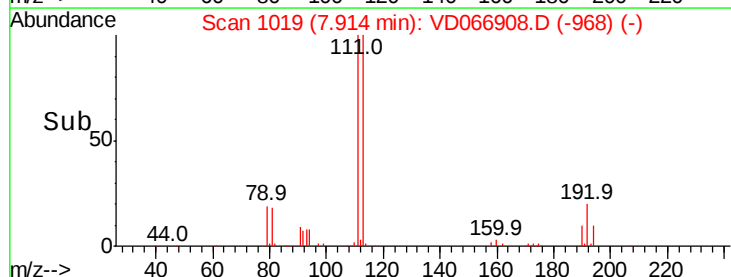
192 20.1 14.4 21.6

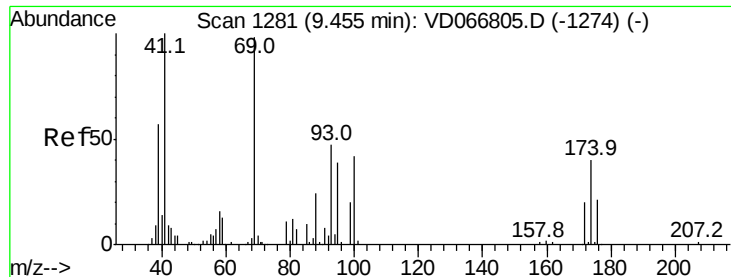


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066908.D

Acq: 28 Sep 2020 12:52

Instrument :

MSVOA_D

ClientSampleId :

D-84

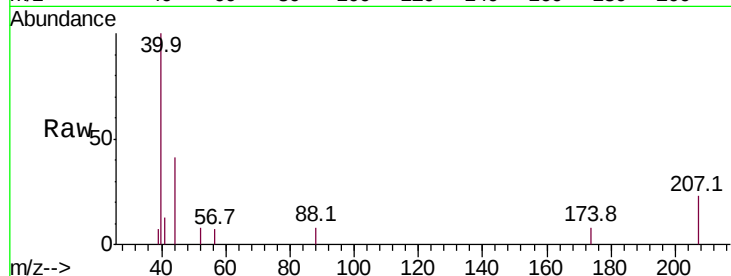
Tot Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 110.7 27.7 41.5#

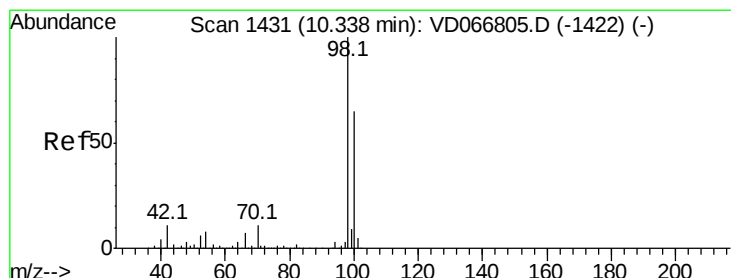
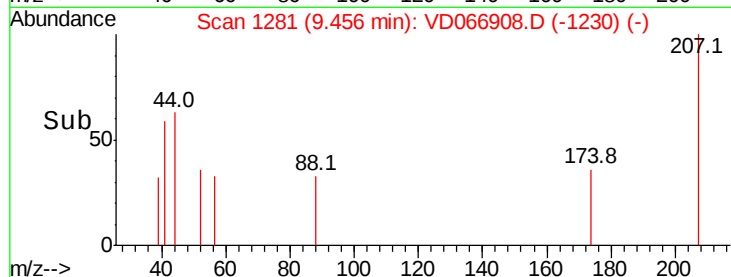
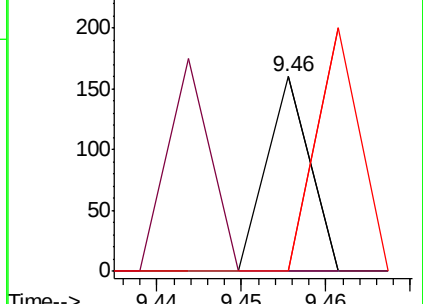
58 126.8 55.5 83.3#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 51.312 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066908.D

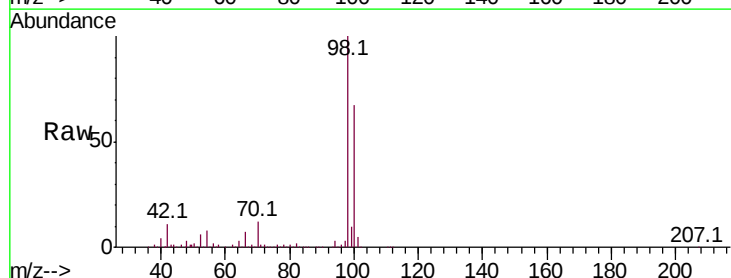
Acq: 28 Sep 2020 12:52

Tgt Ion: 98 Resp: 708981

Ion Ratio Lower Upper

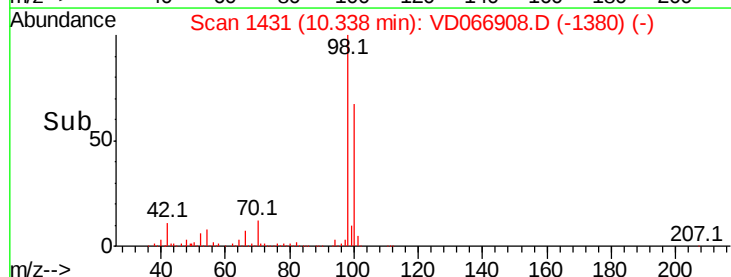
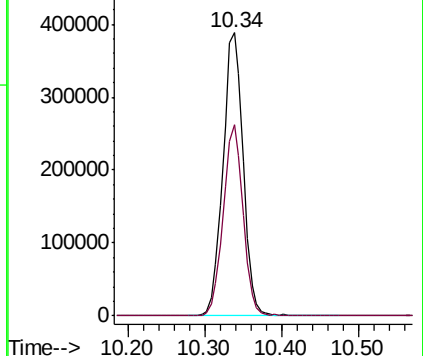
98 100

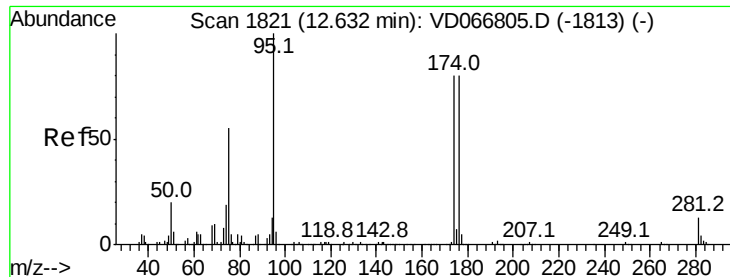
100 66.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

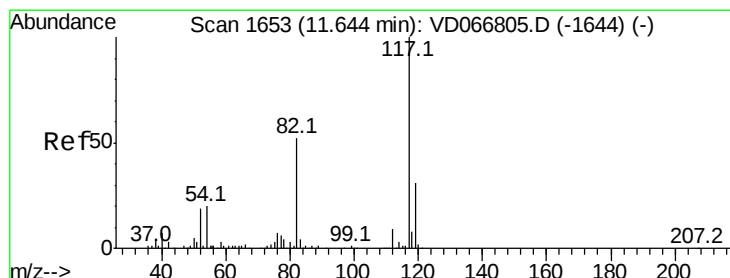
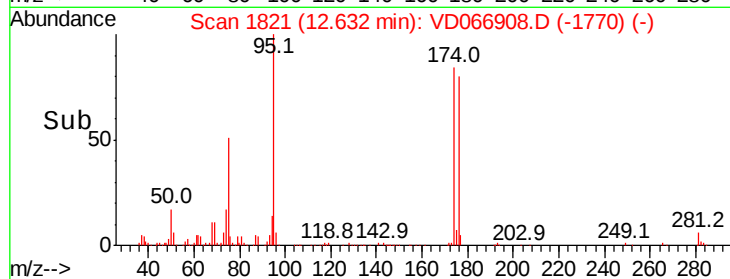
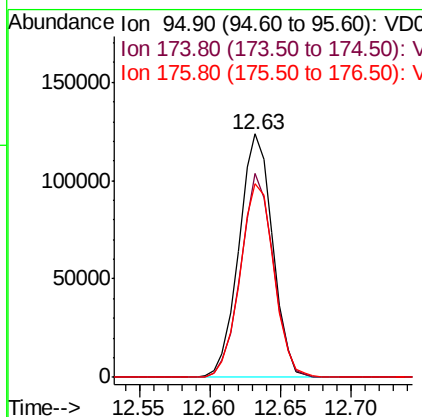
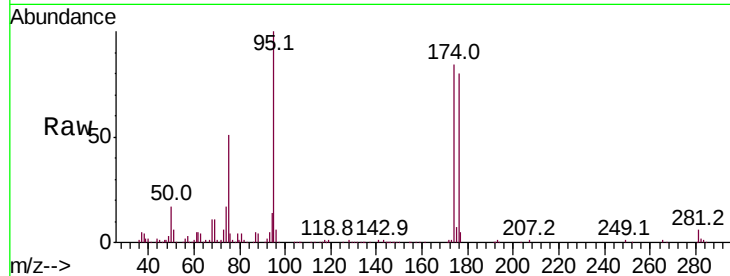




#62
4-Bromofluorobenzene
Concen: 43.525 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066908.D
Acq: 28 Sep 2020 12:52

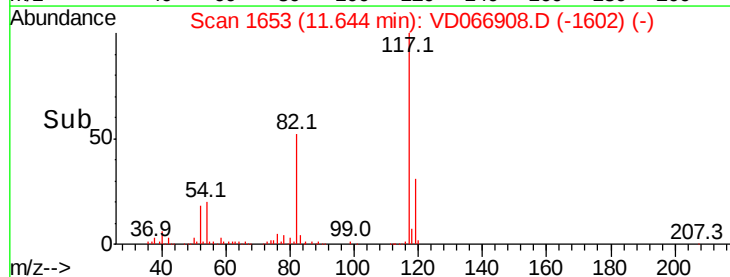
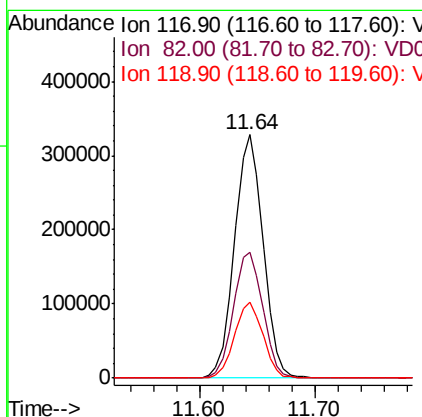
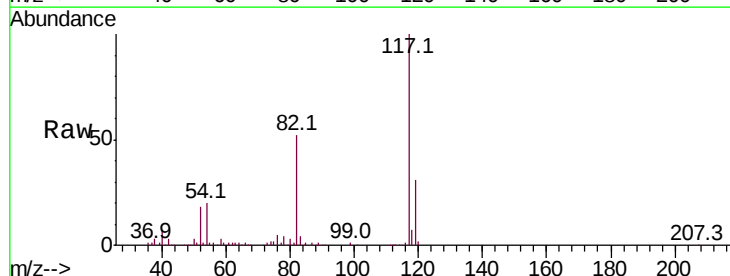
Instrument :
MSVOA_D
ClientSampleId :
D-84

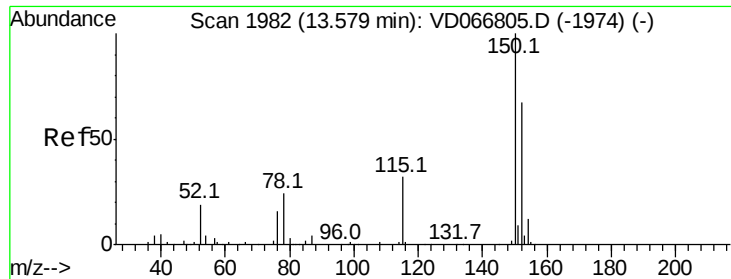
Tot Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	159.8
176	80.5	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066908.D
Acq: 28 Sep 2020 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.8	62.6
119	31.2	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: VD066908.D

Acq: 28 Sep 2020 12:52

Instrument :

MSVOA_D

ClientSampleId :

D-84

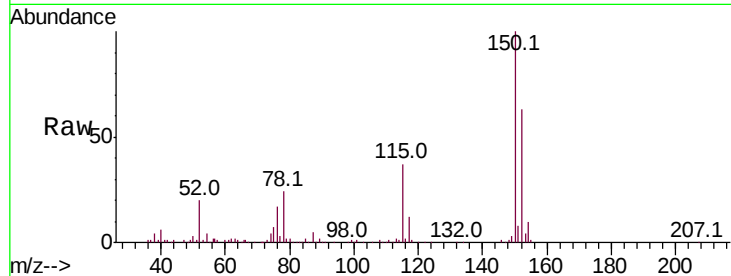
Tot Ion:152 Resp: 164609

Ion Ratio Lower Upper

152 100

115 60.1 30.3 91.0

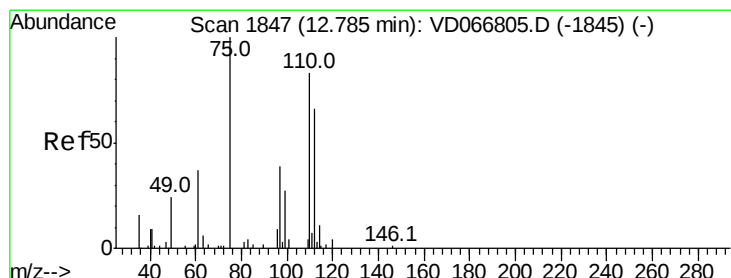
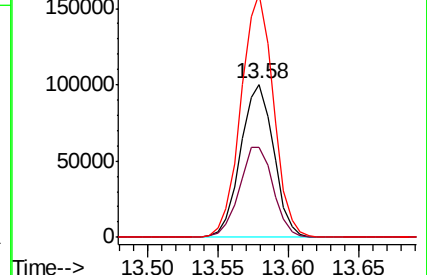
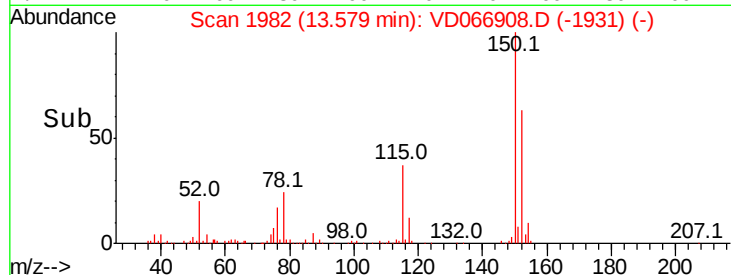
150 156.2 0.0 346.2



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: 77.116 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066908.D

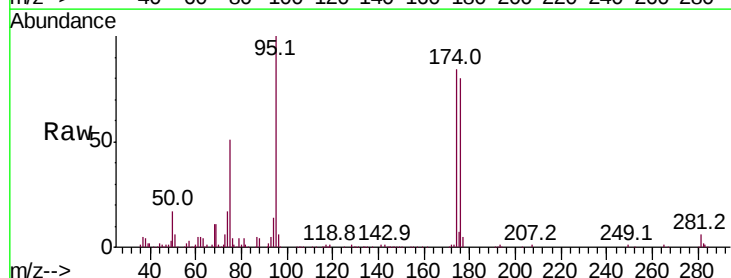
Acq: 28 Sep 2020 12:52

Tgt Ion: 75 Resp: 105197

Ion Ratio Lower Upper

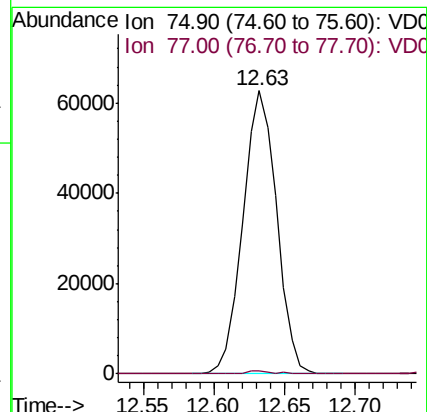
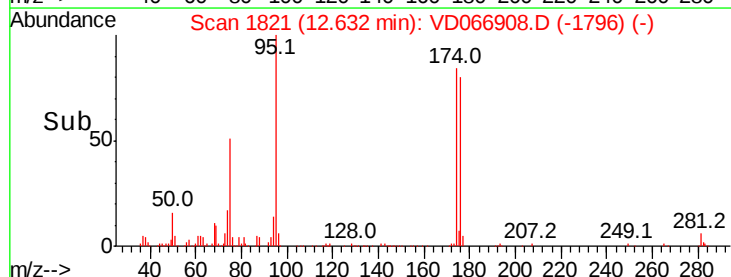
75 100

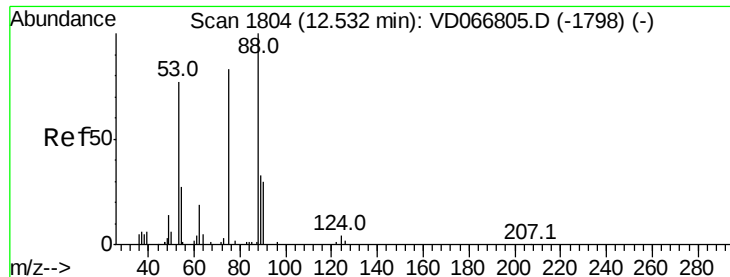
77 0.9 0.0 0.0#



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: 192.936 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066908.D

Acq: 28 Sep 2020 12:52

Instrument :

MSVOA_D

ClientSampleId :

D-84

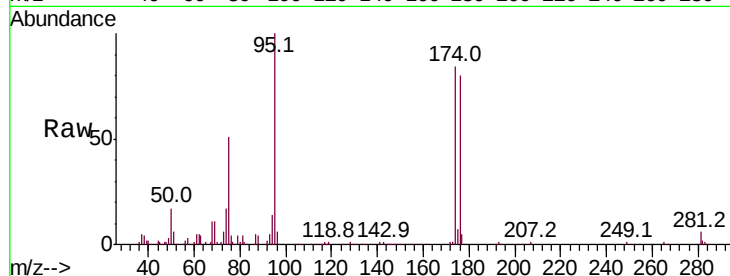
Tot Ion: 75 Resp: 105197

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

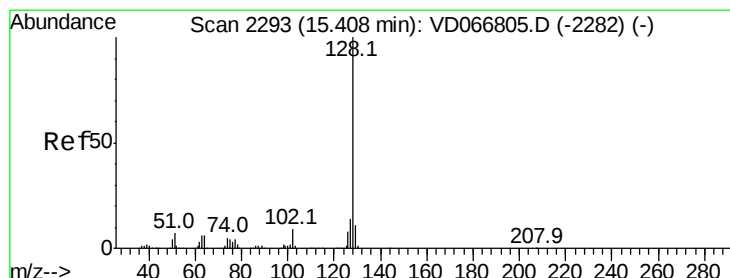
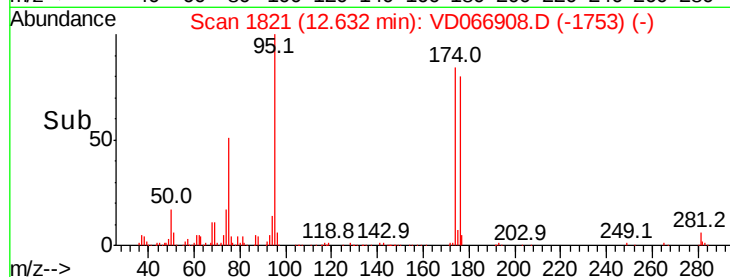
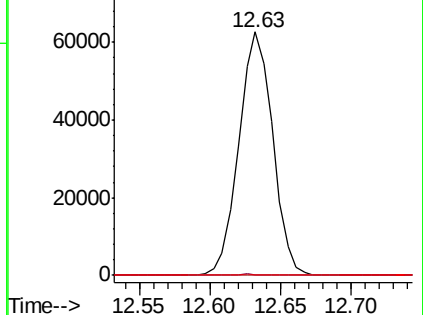
89 0.1 38.1 57.1#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V



#95

Naphthalene

Concen: 1.196 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066908.D

Acq: 28 Sep 2020 12:52

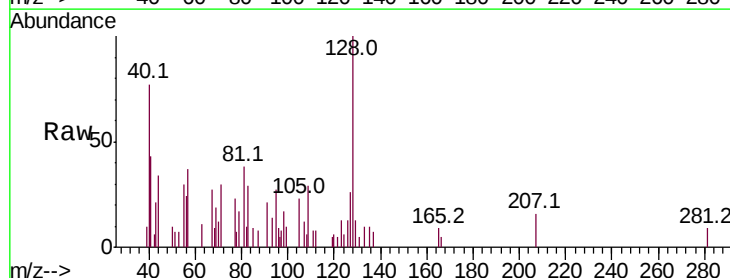
Tgt Ion:128 Resp: 6011

Ion Ratio Lower Upper

128 100

127 11.7 10.6 16.0

129 9.6 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

