

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102621\
 Data File : VD070849.D
 Acq On : 26 Oct 2021 19:25
 Operator : VA/SY
 Sample : M4356-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 27 06:23:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

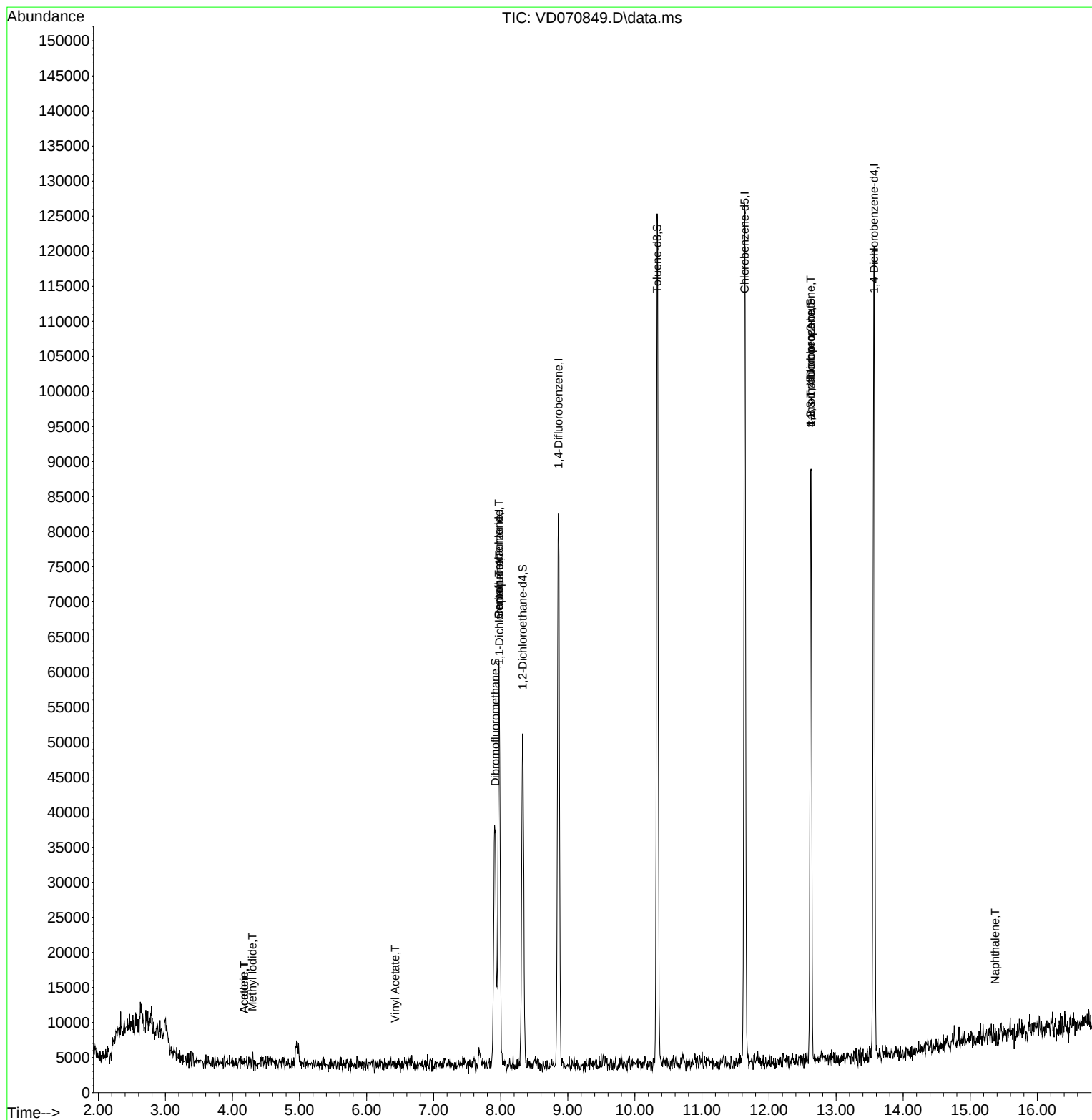
Internal Standards						
1) Pentafluorobenzene	7.973	168	41330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	67193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	75944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	32638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	37537	90.303	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 180.600%#			
35) Dibromofluoromethane	7.920	113	26085	58.878	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.760%			
50) Toluene-d8	10.332	98	88397	53.035	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.060%			
62) 4-Bromofluorobenzene	12.620	95	29419	53.494	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.980%			
Target Compounds						
5) Bromomethane	2.744	94	62	Below Cal	Qvalue 91	
10) Methyl Iodide	4.297	142	246	4.066 ug/l #	56	
13) Acrolein	4.173	56	53	2.675 ug/l #	13	
16) Acetone	4.173	43	1179	12.191 ug/l #	40	
20) Methylene Chloride	4.944	84	1211	Below Cal #	75	
23) Vinyl Acetate	6.426	43	62	14.500 ug/l #	72	
36) 1,1-Dichloropropene	7.979	75	3606	5.129 ug/l #	41	
38) Carbon Tetrachloride	7.973	117	3848	5.443 ug/l #	12	
76) 1,2,3-Trichloropropane	12.620	75	13296	41.383 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.620	75	13296	108.615 ug/l #	18	
95) Naphthalene	15.373	128	71	4.188 ug/l #	69	

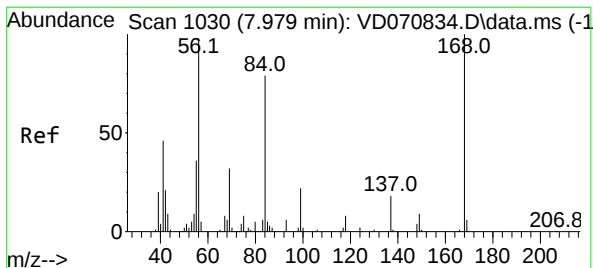
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 27 05:34:47 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 10

Delta R.T. -0.006 min

Lab File: VD070849.D

Acq: 26 Oct 2021 19:25

Instrument :

MSVOA_D

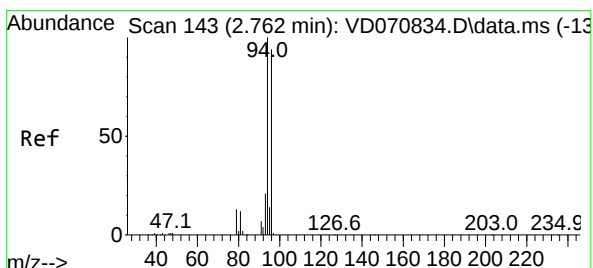
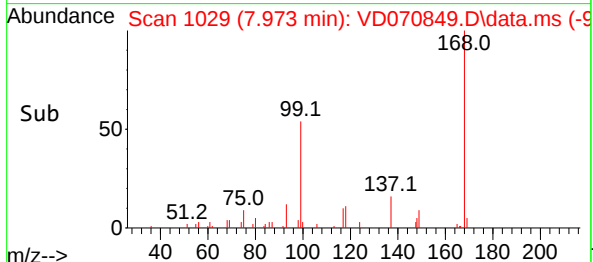
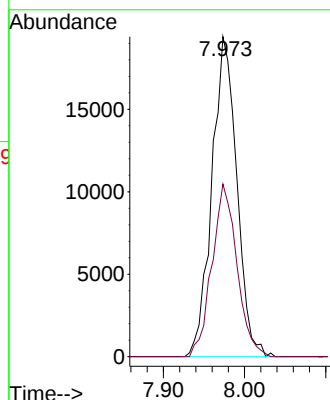
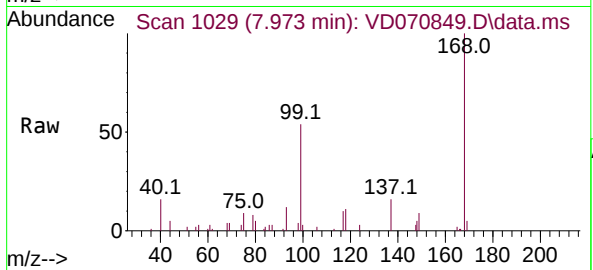
ClientSampleId :

Tgt Ion:168 Resp: 41330

Ion Ratio Lower Upper

168 100

99 53.9 46.6 69.8



#5

Bromomethane

Concen: Below Cal

RT: 2.744 min Scan# 140

Delta R.T. -0.018 min

Lab File: VD070849.D

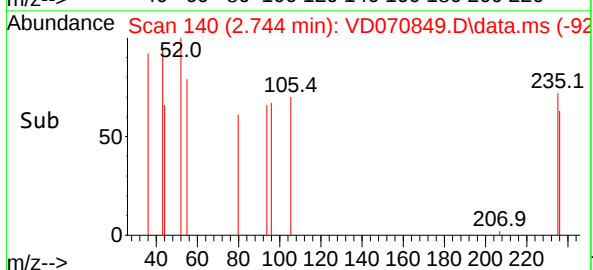
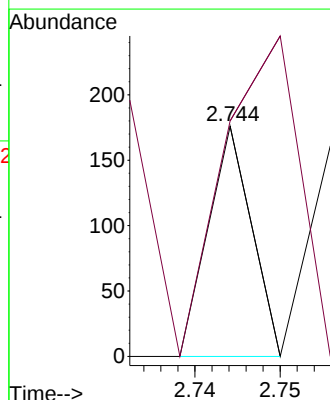
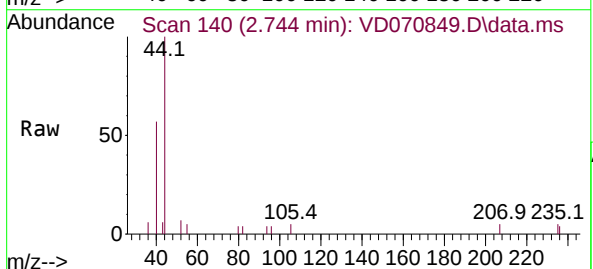
Acq: 26 Oct 2021 19:25

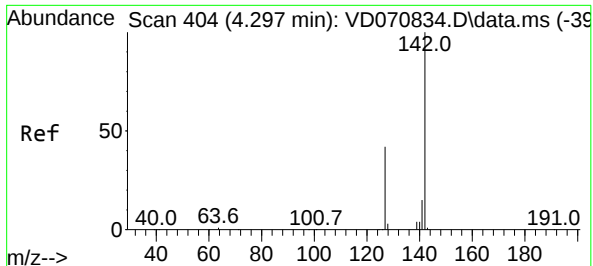
Tgt Ion: 94 Resp: 62

Ion Ratio Lower Upper

94 100

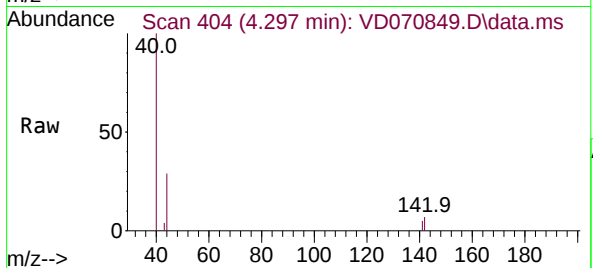
96 102.3 74.8 112.2



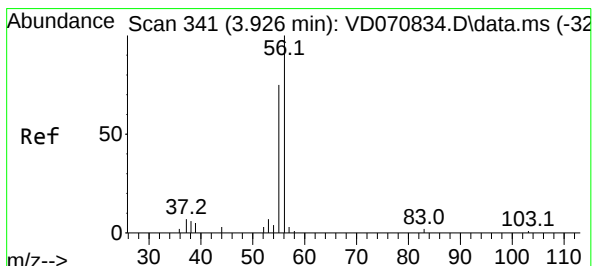
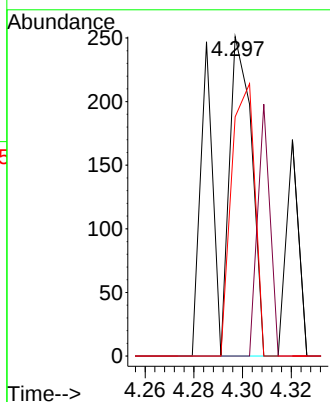
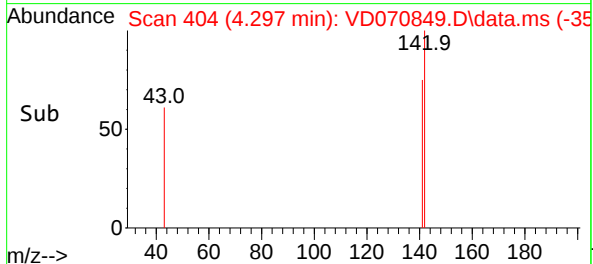


#10
Methyl Iodide
Concen: 4.066 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070849.D
Acq: 26 Oct 2021 19:25

Instrument :
MSVOA_D
ClientSampleId :

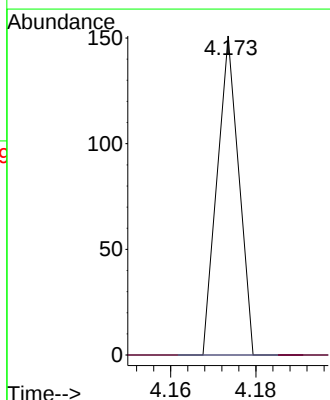
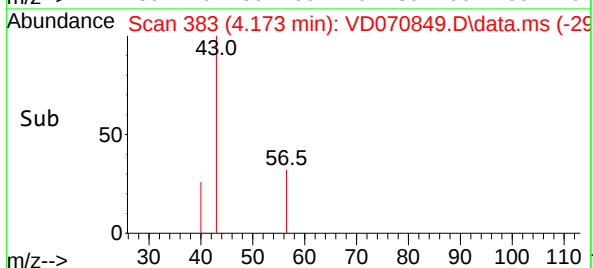
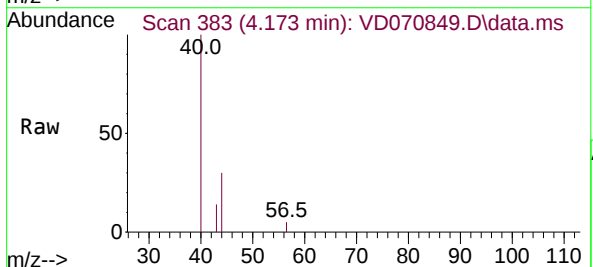


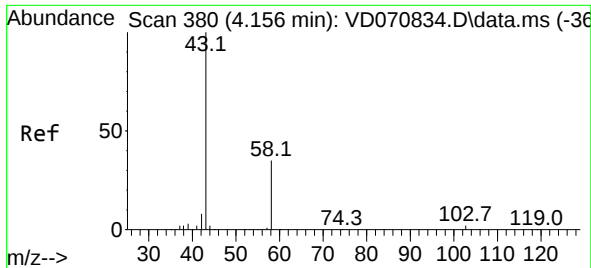
Tgt Ion:142 Resp: 246
Ion Ratio Lower Upper
142 100
127 28.5 35.0 52.4#
141 57.7 12.0 18.0#



#13
Acrolein
Concen: 2.675 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.247 min
Lab File: VD070849.D
Acq: 26 Oct 2021 19:25

Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

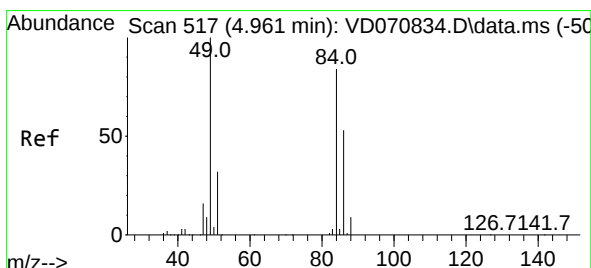
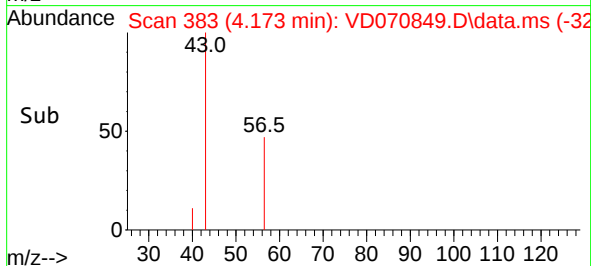
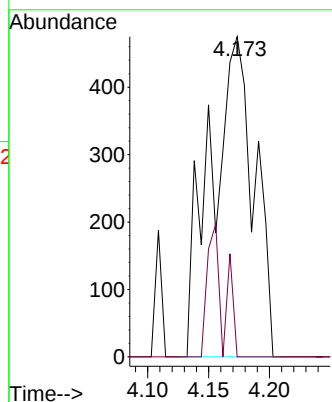
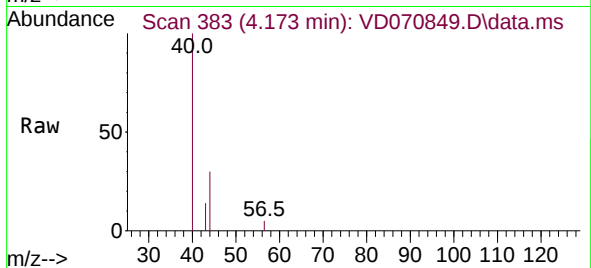




#16
Acetone
Concen: 12.191 ug/l
RT: 4.173 min Scan# 311
Delta R.T. 0.018 min
Lab File: VD070849.D
Acq: 26 Oct 2021 19:25

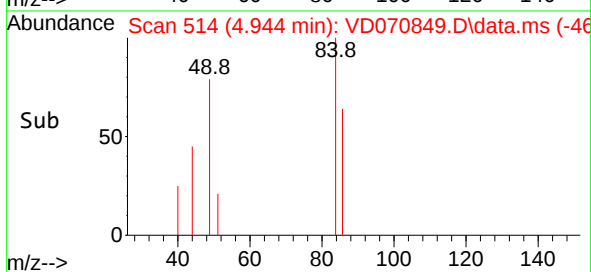
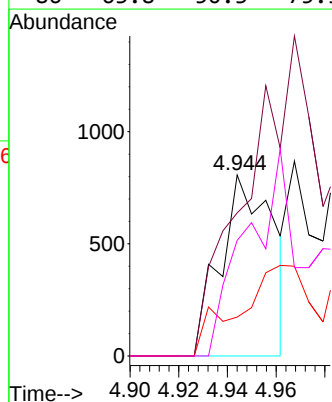
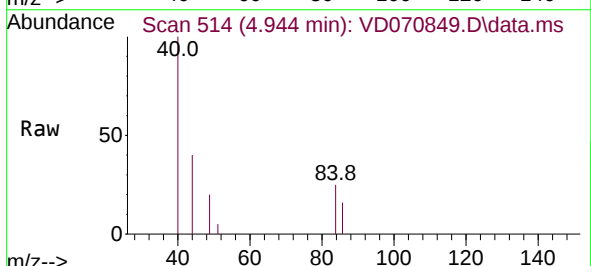
Instrument :
MSVOA_D
ClientSampleId :

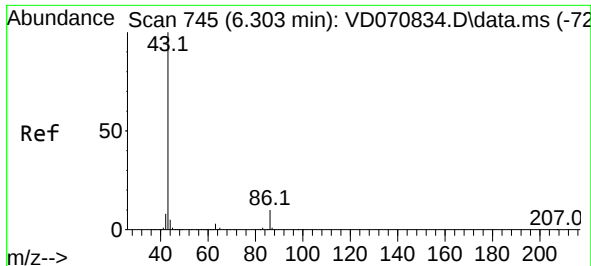
Tgt Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 514
Delta R.T. -0.017 min
Lab File: VD070849.D
Acq: 26 Oct 2021 19:25

Tgt Ion: 84 Resp: 1211
Ion Ratio Lower Upper
84 100
49 79.1 95.8 143.6#
51 21.4 30.9 46.3#
86 63.8 50.3 75.5

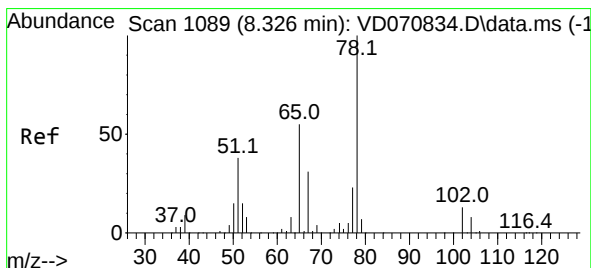
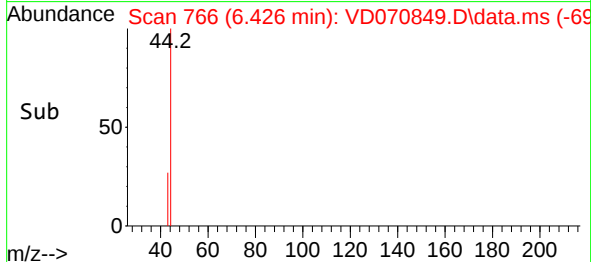
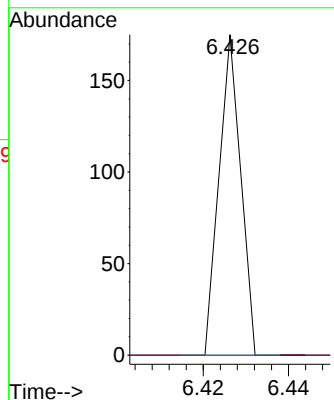
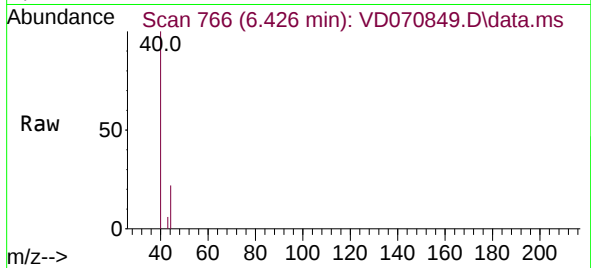




#23
 Vinyl Acetate
 Concen: 14.500 ug/l
 RT: 6.426 min Scan# 70
 Delta R.T. 0.123 min
 Lab File: VD070849.D
 Acq: 26 Oct 2021 19:25

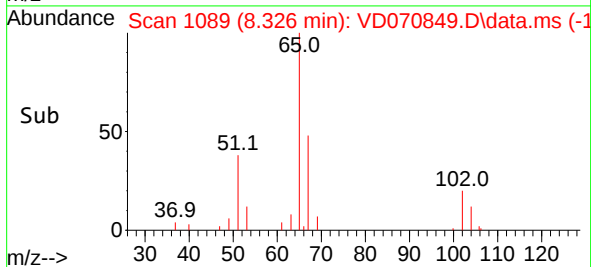
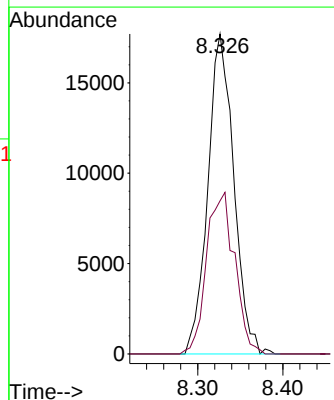
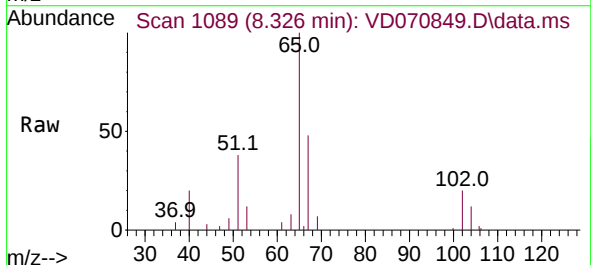
Instrument :
 MSVOA_D
 ClientSampleId :

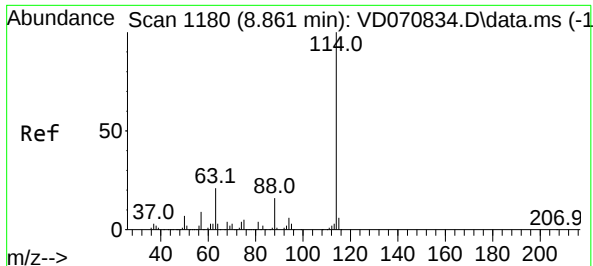
Tgt Ion: 43 Resp: 62
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#33
 1,2-Dichloroethane-d4
 Concen: 90.303 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. 0.000 min
 Lab File: VD070849.D
 Acq: 26 Oct 2021 19:25

Tgt Ion: 65 Resp: 37537
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070849.D

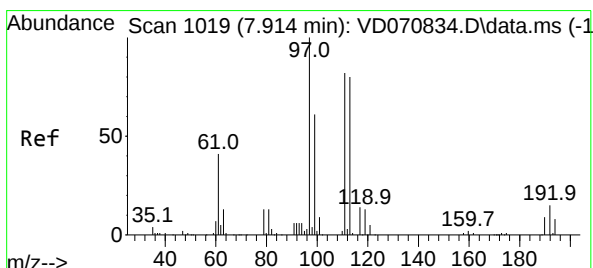
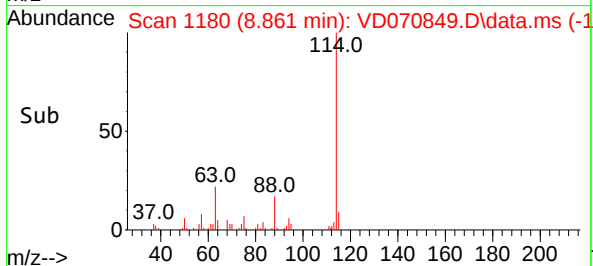
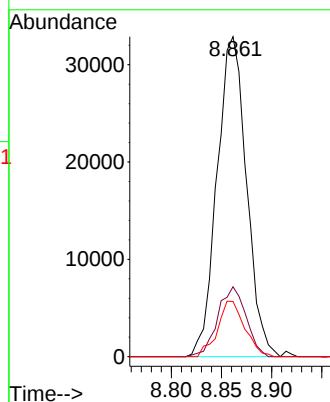
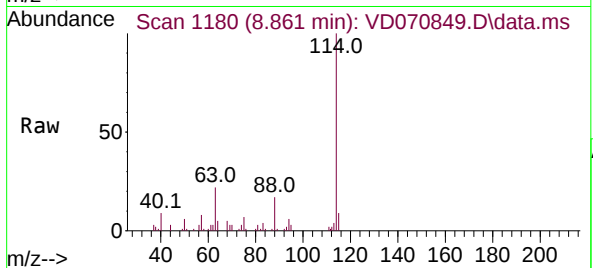
Acq: 26 Oct 2021 19:25

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	67193
Ion	Ratio	Lower Upper
114	100	
63	21.9	0.0 41.8
88	17.3	0.0 32.8



#35

Dibromofluoromethane

Concen: 58.878 ug/l

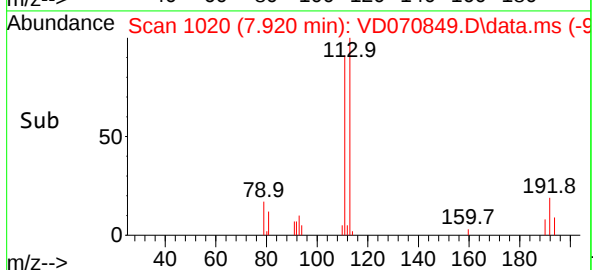
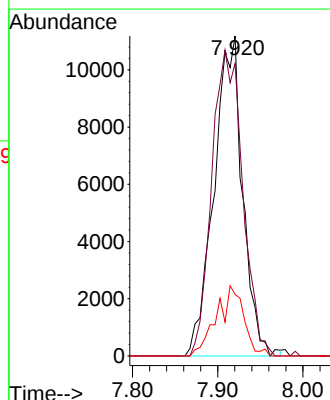
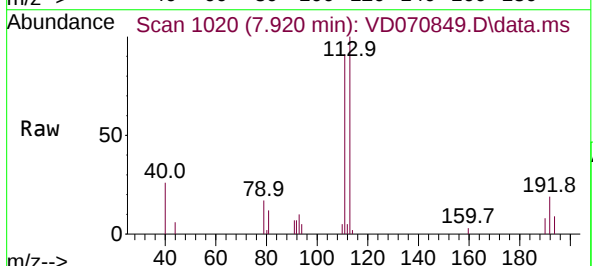
RT: 7.920 min Scan# 1020

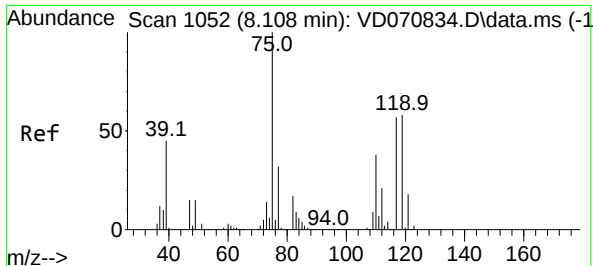
Delta R.T. 0.006 min

Lab File: VD070849.D

Acq: 26 Oct 2021 19:25

Tgt Ion:113	Resp:	26085
Ion	Ratio	Lower Upper
113	100	
111	103.0	82.0 123.0
192	21.0	15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.129 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD070849.D

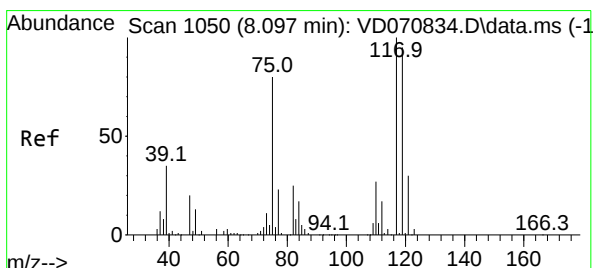
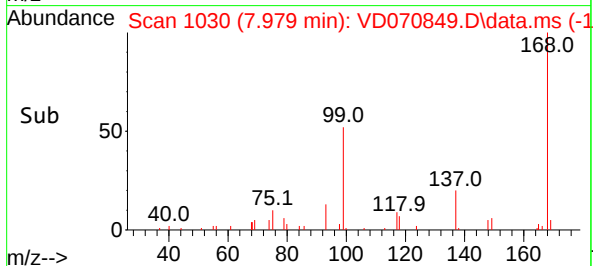
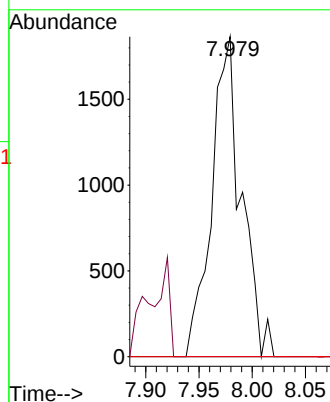
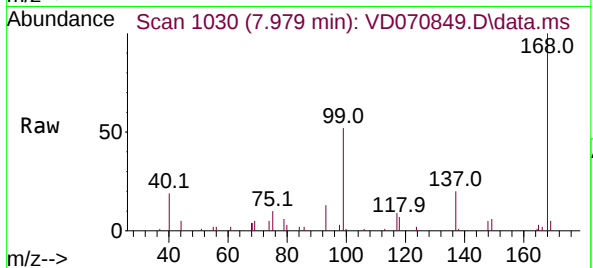
Acq: 26 Oct 2021 19:25

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 3606
Ion Ratio	Lower Upper
75 100	
110 0.0	17.8 53.4#
77 0.0	24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.443 ug/l

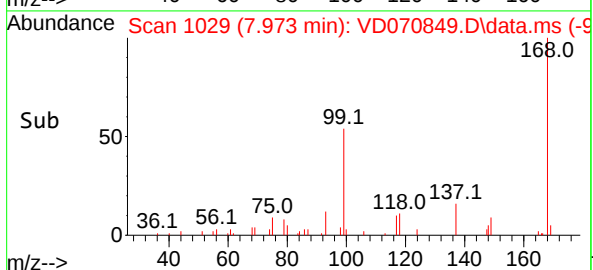
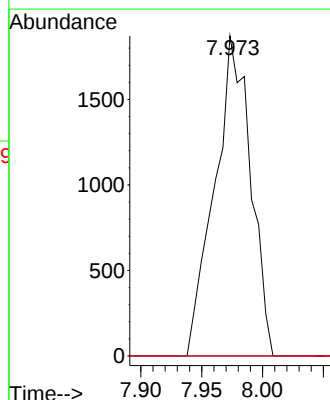
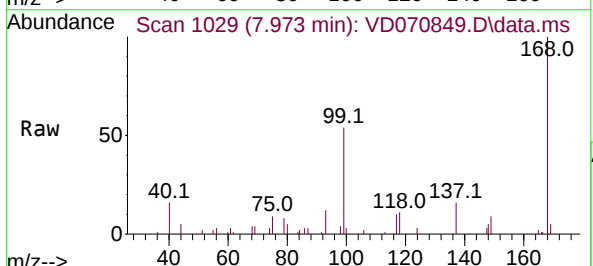
RT: 7.973 min Scan# 1029

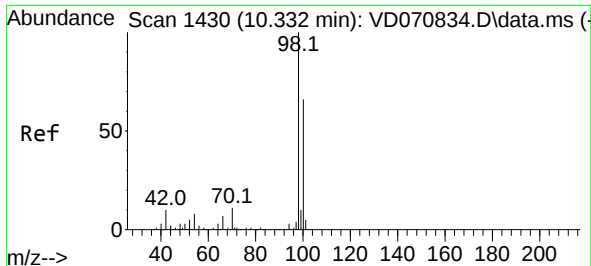
Delta R.T. -0.123 min

Lab File: VD070849.D

Acq: 26 Oct 2021 19:25

Tgt Ion: 117	Resp: 3848
Ion Ratio	Lower Upper
117 100	
119 0.0	75.8 113.6#
121 0.0	23.6 35.4#

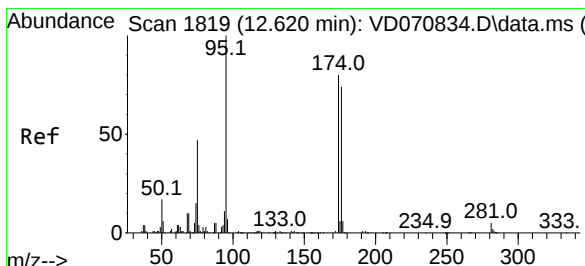
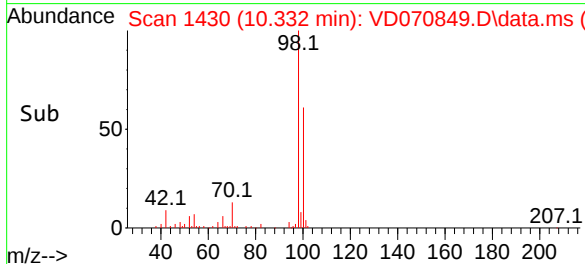
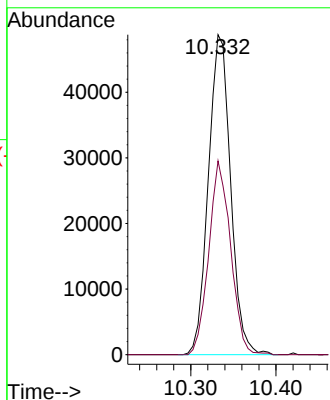
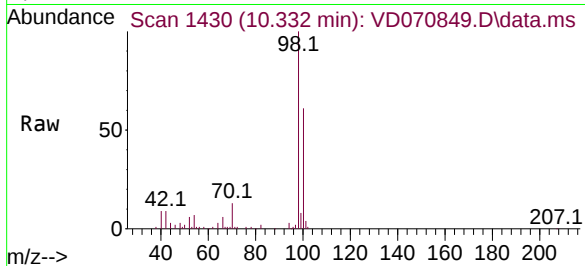




#50
Toluene-d8
Concen: 53.035 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070849.D
Acq: 26 Oct 2021 19:25

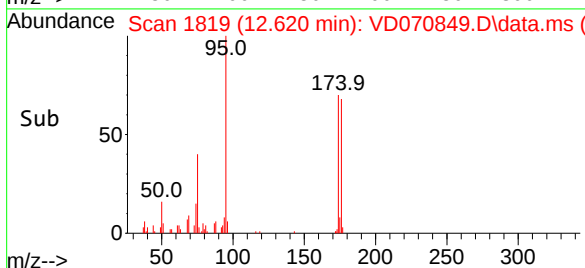
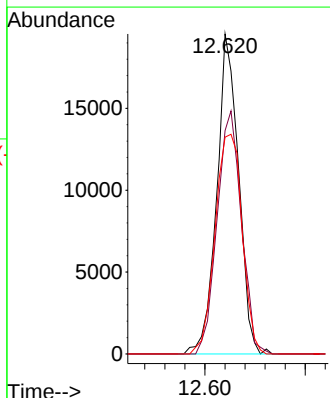
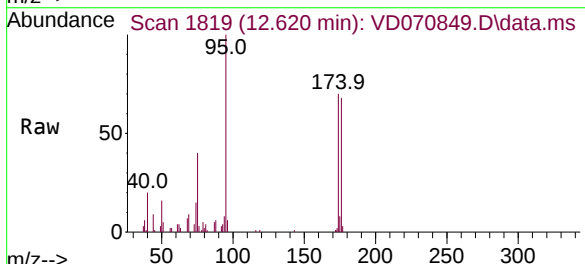
Instrument :
MSVOA_D
ClientSampleId :

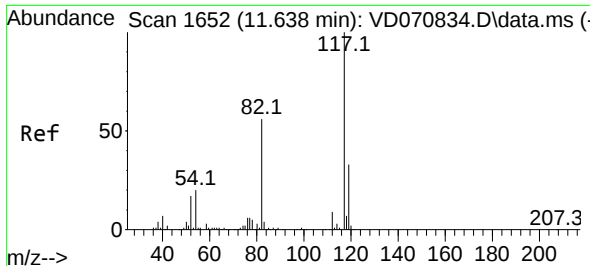
Tgt Ion: 98 Resp: 88397
Ion Ratio Lower Upper
98 100
100 59.4 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 53.494 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070849.D
Acq: 26 Oct 2021 19:25

Tgt Ion: 95 Resp: 29419
Ion Ratio Lower Upper
95 100
174 84.5 0.0 159.4
176 85.3 0.0 154.0

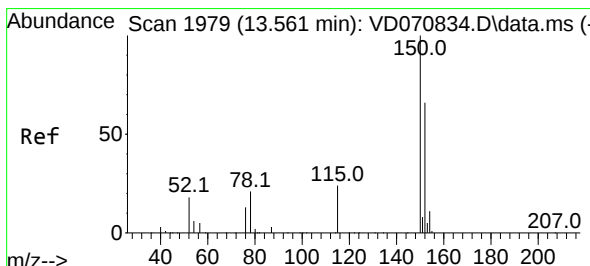
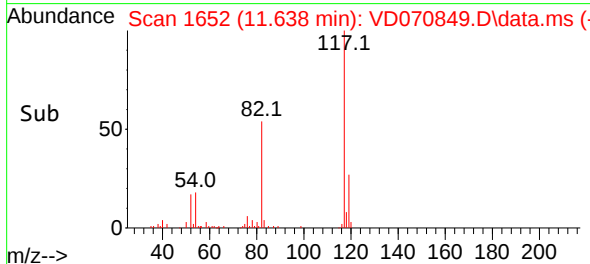
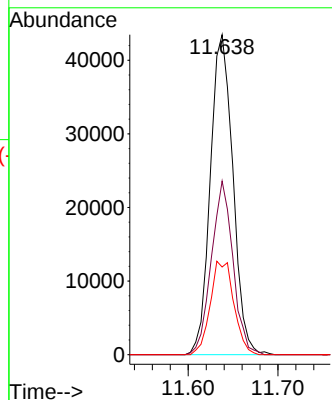
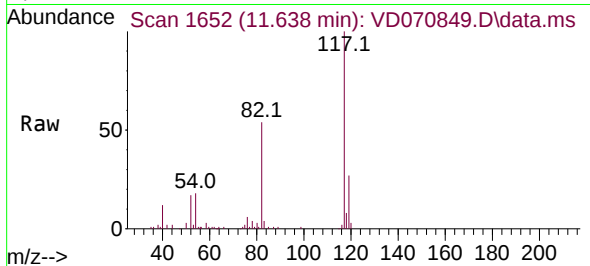




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD070849.D
Acq: 26 Oct 2021 19:25

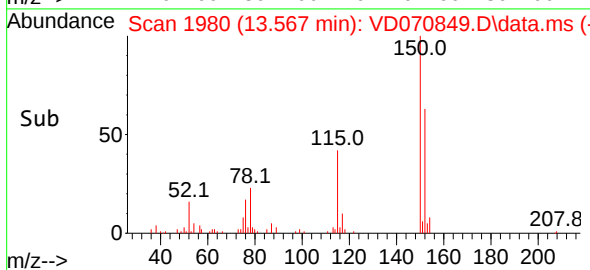
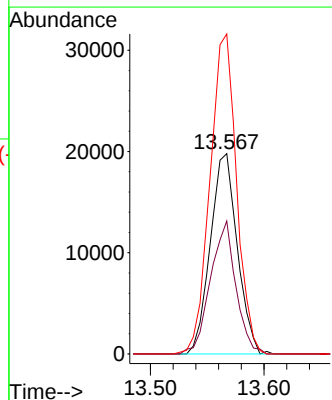
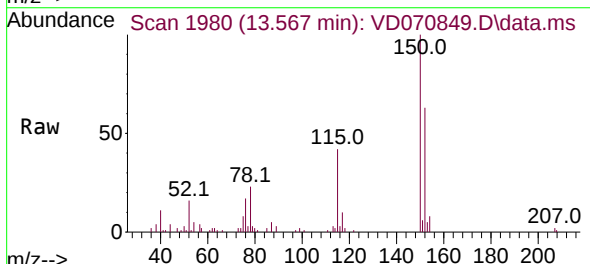
Instrument :
MSVOA_D
ClientSampleId :

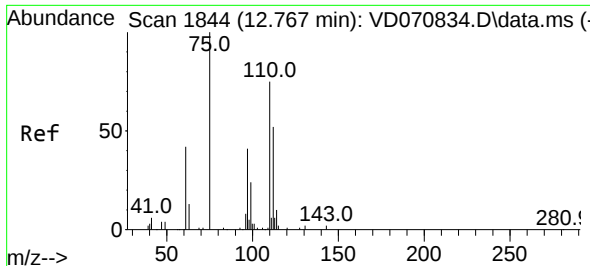
Tgt Ion:117 Resp: 75944
Ion Ratio Lower Upper
117 100
82 54.2 44.7 67.1
119 27.4 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070849.D
Acq: 26 Oct 2021 19:25

Tgt Ion:152 Resp: 32638
Ion Ratio Lower Upper
152 100
115 62.4 29.8 89.3
150 157.1 0.0 349.2

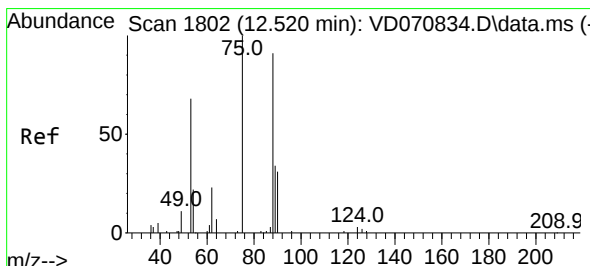
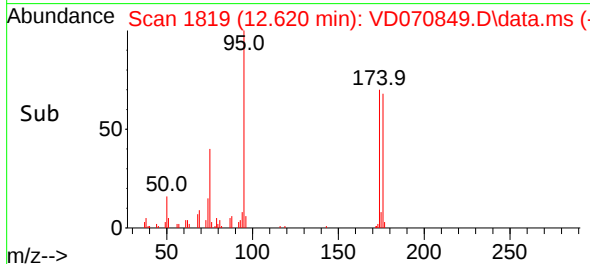
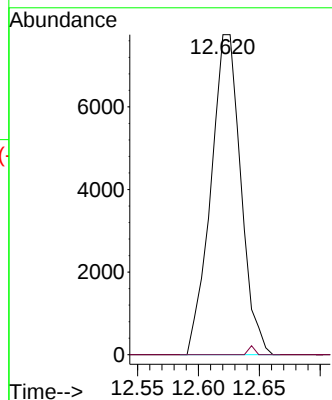
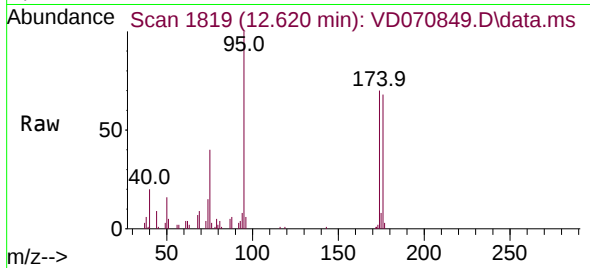




#76
1,2,3-Trichloropropane
Concen: 41.383 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070849.D
Acq: 26 Oct 2021 19:25

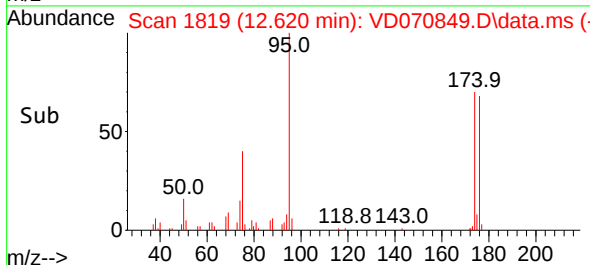
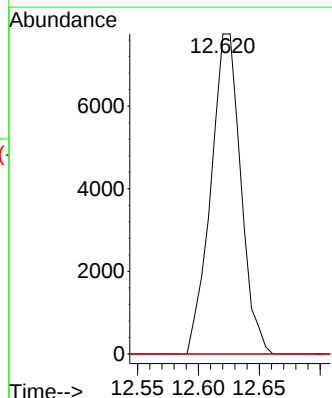
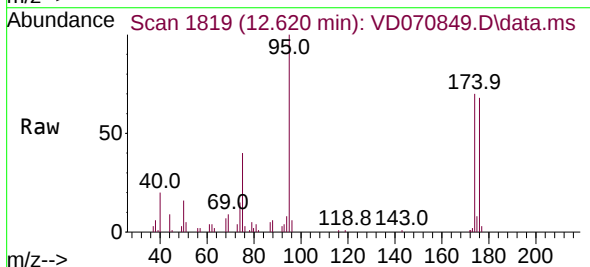
Instrument :
MSVOA_D
ClientSampleId :

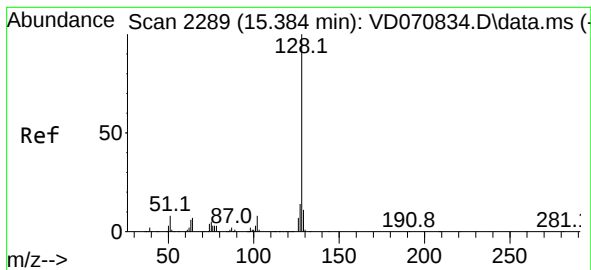
Tgt Ion: 75 Resp: 13296
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.615 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070849.D
Acq: 26 Oct 2021 19:25

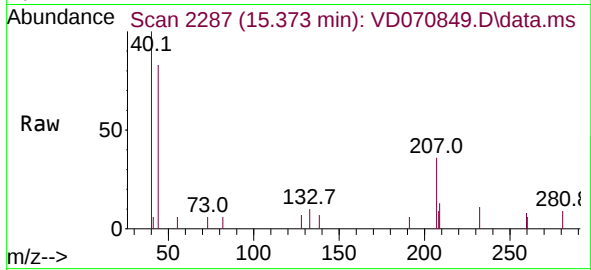
Tgt Ion: 75 Resp: 13296
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 4.188 ug/l
RT: 15.373 min Scan# 21
Delta R.T. -0.011 min
Lab File: VD070849.D
Acq: 26 Oct 2021 19:25

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 71
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

