

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102621\
 Data File : VD070845.D
 Acq On : 26 Oct 2021 17:32
 Operator : VA/SY
 Sample : M4348-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 27 06:22:53 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)

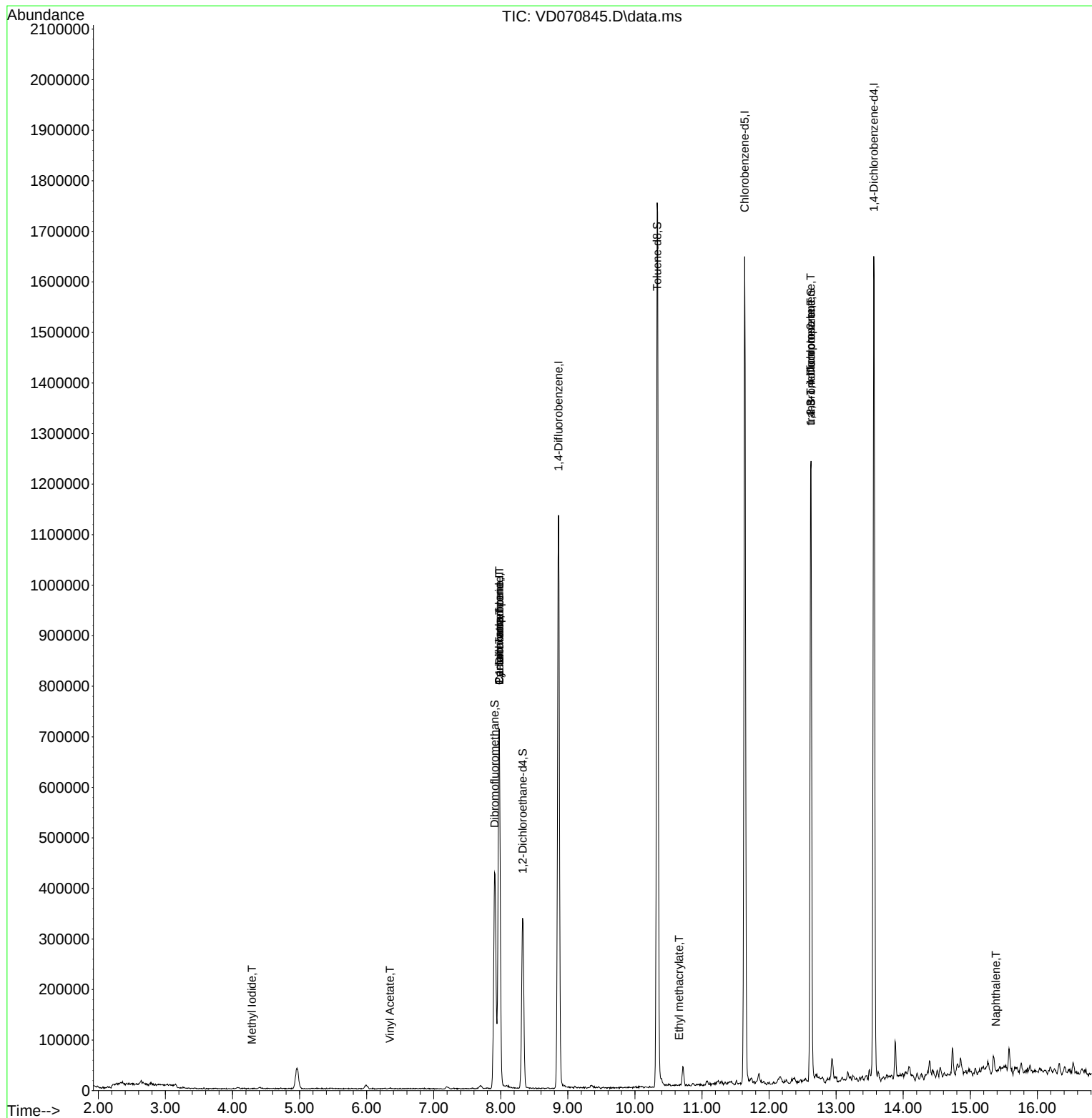
Internal Standards						
1) Pentafluorobenzene	7.979	168	561868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1003287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1004019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	468684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	262255	46.409	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.820%
35) Dibromofluoromethane	7.908	113	324266	49.019	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.040%
50) Toluene-d8	10.332	98	1276496	51.291	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.580%
62) 4-Bromofluorobenzene	12.626	95	434480	52.911	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.820%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	2700	Below Cal	#	74
10) Methyl Iodide	4.291	142	538	3.683	ug/l #	80
20) Methylene Chloride	4.967	84	35659	Below Cal		89
23) Vinyl Acetate	6.350	43	577	14.473	ug/l #	72
31) Cyclohexane	7.979	56	11739	1.019	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	42480	4.047	ug/l #	48
38) Carbon Tetrachloride	7.979	117	53513	5.070	ug/l #	16
56) Ethyl methacrylate	10.661	69	233	2.873	ug/l #	28
76) 1,2,3-Trichloropropane	12.620	75	197441	42.794	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	197441	112.318	ug/l #	19
95) Naphthalene	15.385	128	4122	4.381	ug/l #	80

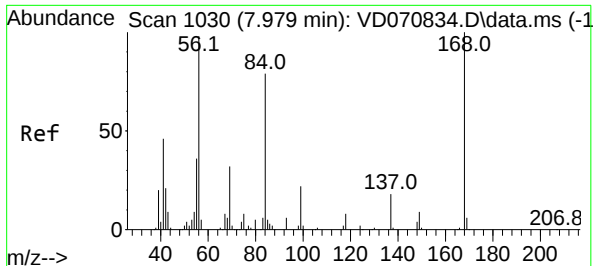
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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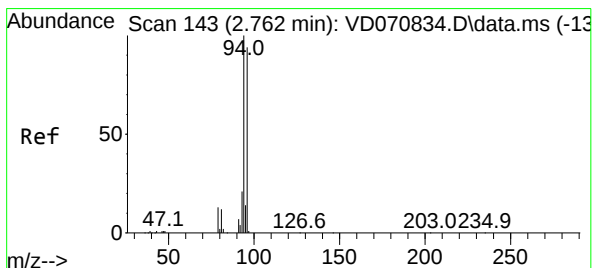
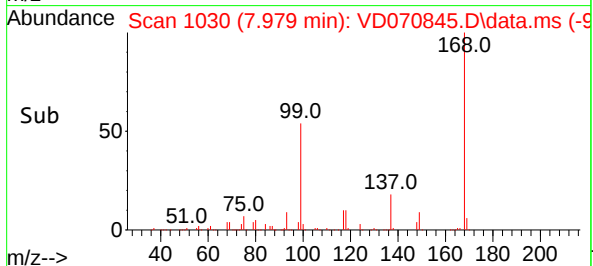
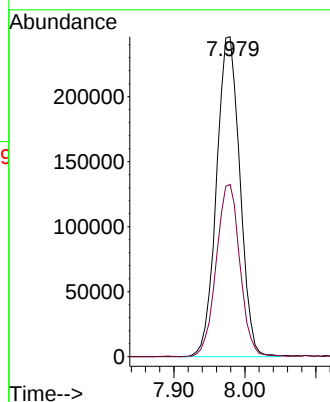
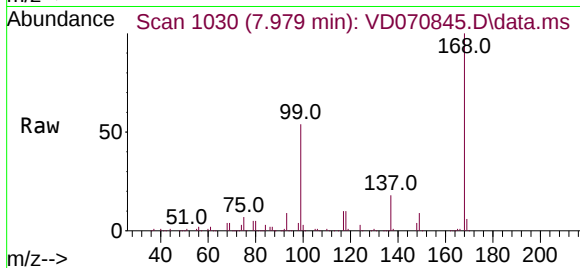




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070845.D
Acq: 26 Oct 2021 17:32

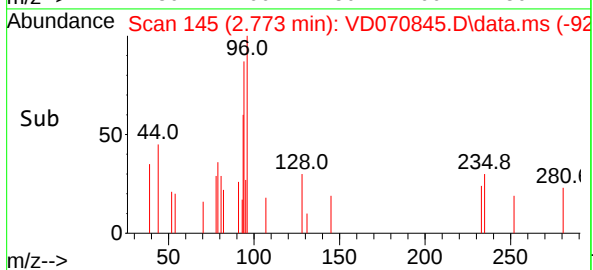
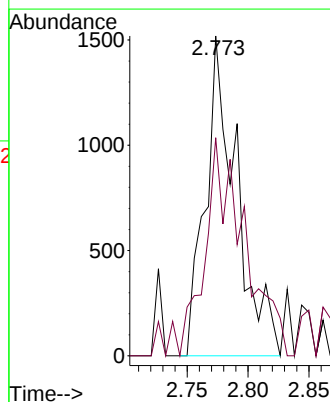
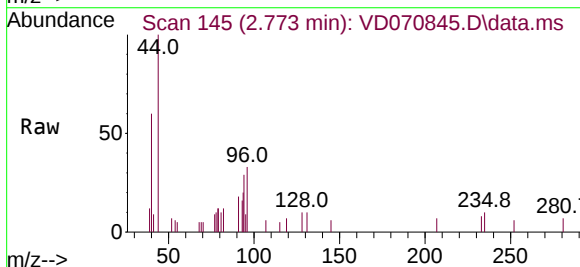
Instrument :
MSVOA_D
ClientSampleId :

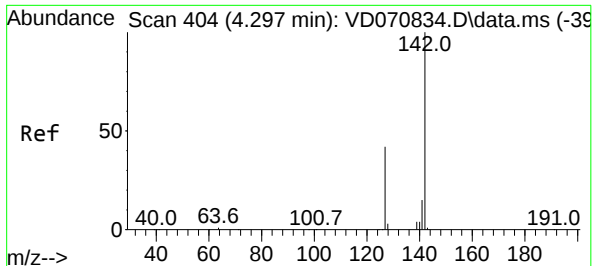
Tgt Ion:168 Resp: 561868
Ion Ratio Lower Upper
168 100
99 53.8 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070845.D
Acq: 26 Oct 2021 17:32

Tgt Ion: 94 Resp: 2700
Ion Ratio Lower Upper
94 100
96 68.2 74.8 112.2#





#10

Methyl Iodide

Concen: 3.683 ug/l

RT: 4.291 min Scan# 404

Delta R.T. -0.006 min

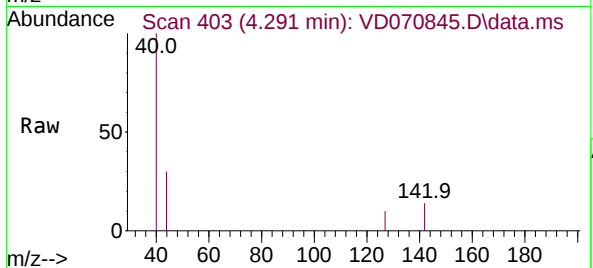
Lab File: VD070845.D

Acq: 26 Oct 2021 17:32

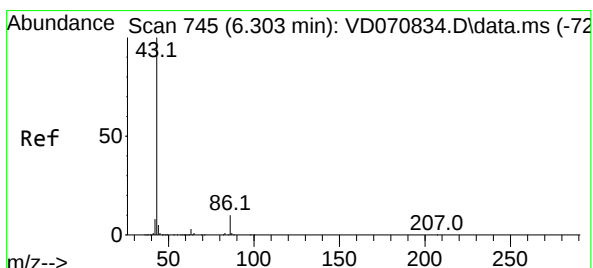
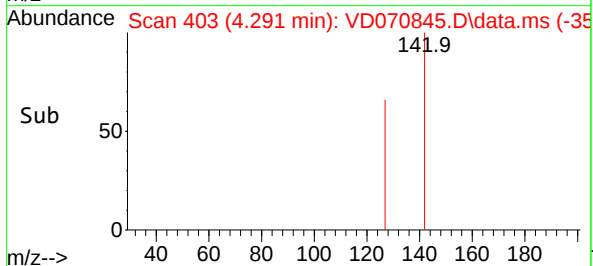
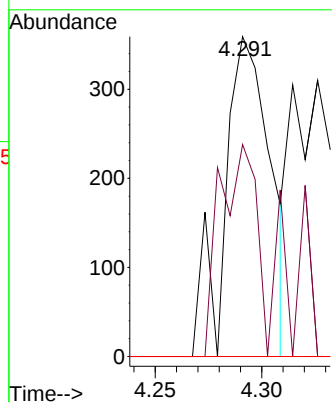
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	142	Resp:	538
Ion	Ratio	Lower	Upper
142	100		
127	53.0	35.0	52.4#
141	0.0	12.0	18.0#



#23

Vinyl Acetate

Concen: 14.473 ug/l

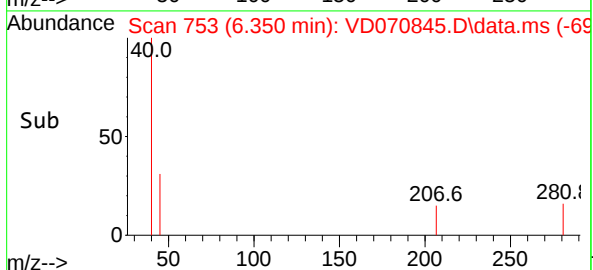
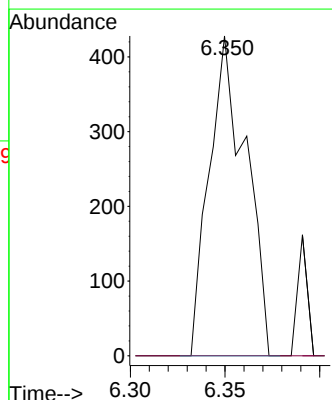
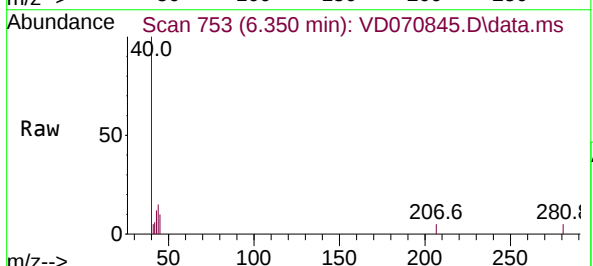
RT: 6.350 min Scan# 753

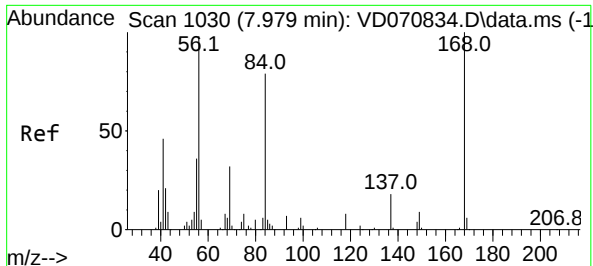
Delta R.T. 0.047 min

Lab File: VD070845.D

Acq: 26 Oct 2021 17:32

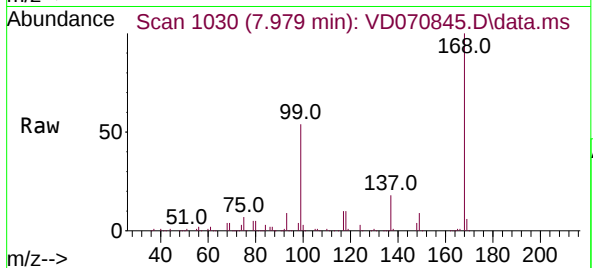
Tgt Ion:	43	Resp:	577
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#



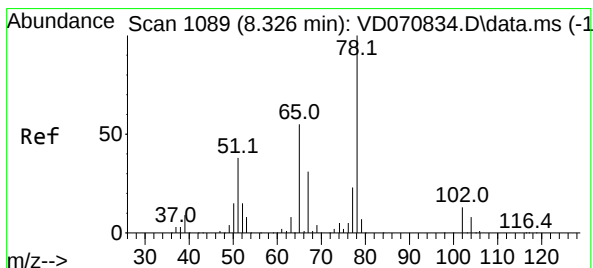
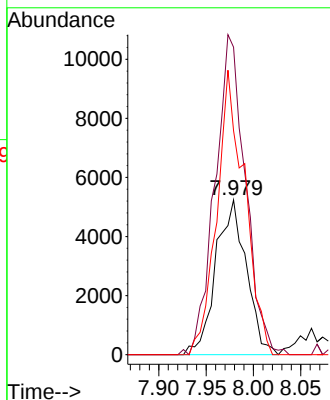
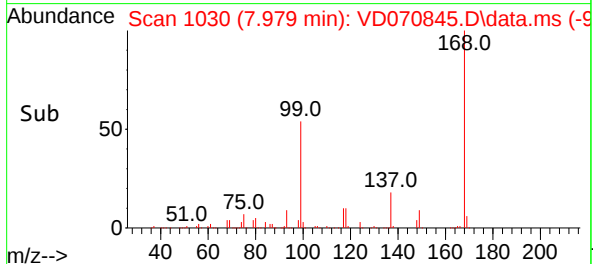


#31
Cyclohexane
Concen: 1.019 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070845.D
Acq: 26 Oct 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

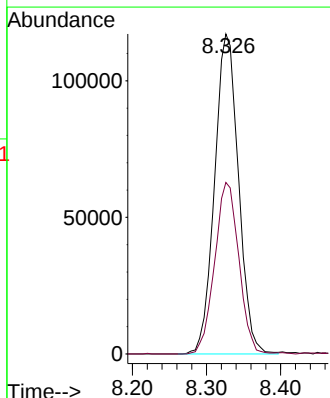
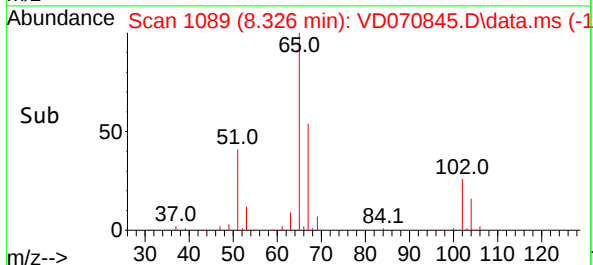
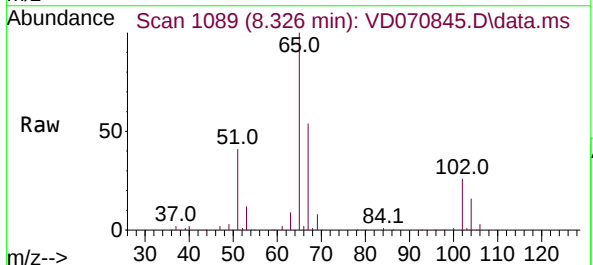


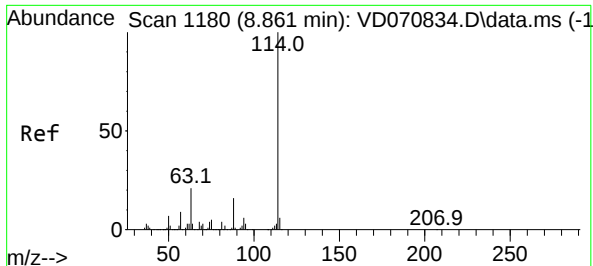
Tgt Ion	Ratio	Lower	Upper
56	100		
69	198.8	25.9	38.9#
84	144.7	64.3	96.5#



#33
1,2-Dichloroethane-d4
Concen: 46.409 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070845.D
Acq: 26 Oct 2021 17:32

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.2	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: VD070845.D

Acq: 26 Oct 2021 17:32

Instrument :

MSVOA_D

ClientSampleId :

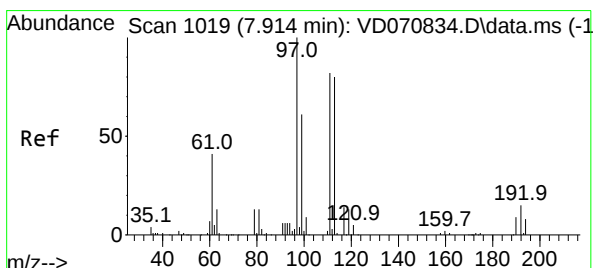
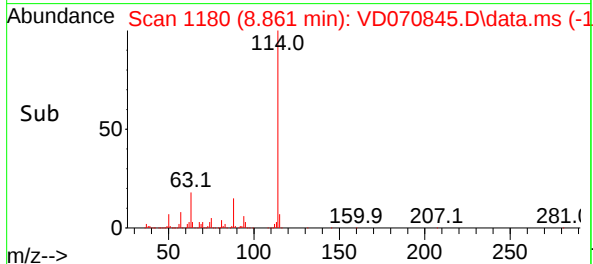
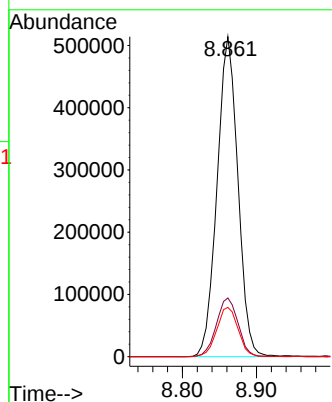
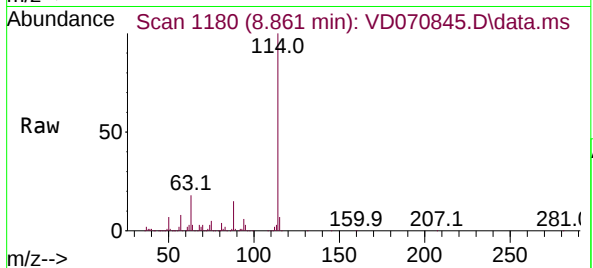
Tgt Ion:114 Resp: 1003287

Ion Ratio Lower Upper

114 100

63 18.3 0.0 41.8

88 15.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.019 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070845.D

Acq: 26 Oct 2021 17:32

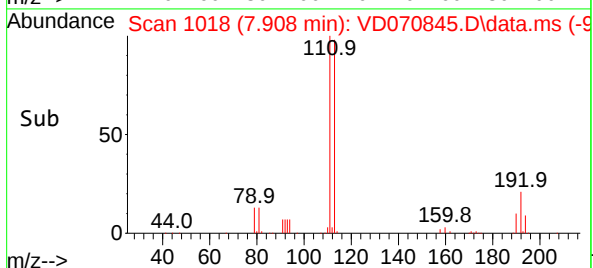
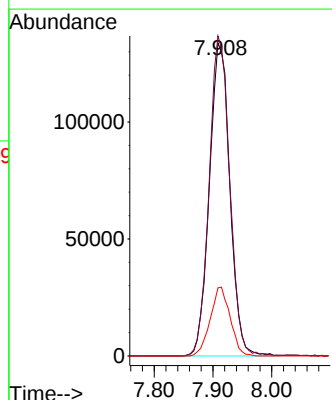
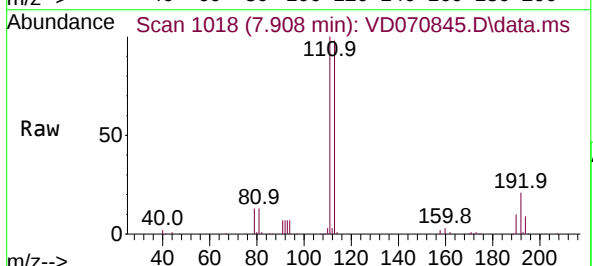
Tgt Ion:113 Resp: 324266

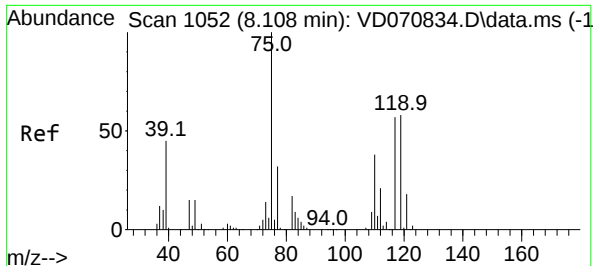
Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

192 21.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.047 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

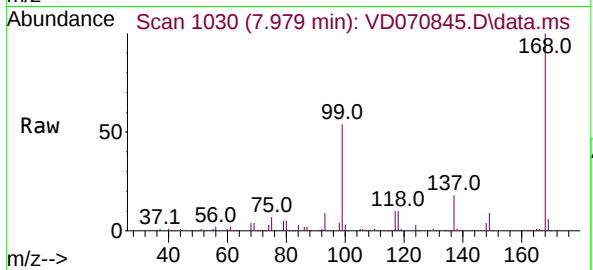
Lab File: VD070845.D

Acq: 26 Oct 2021 17:32

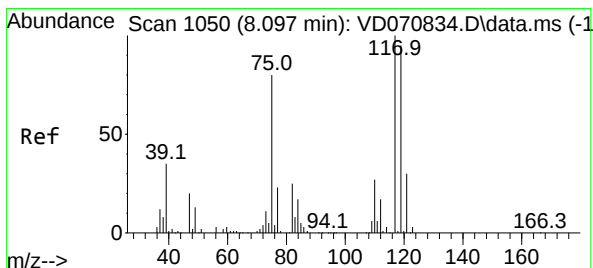
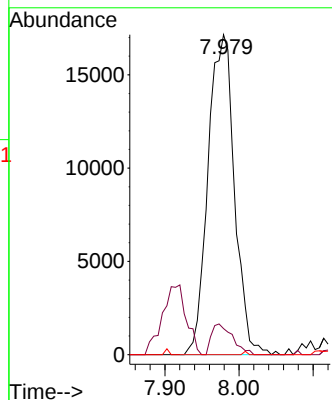
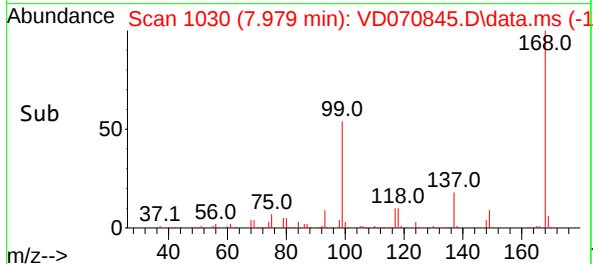
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 42480
Ion Ratio	Lower Upper
75	100
110	7.7 17.8 53.4#
77	0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.070 ug/l

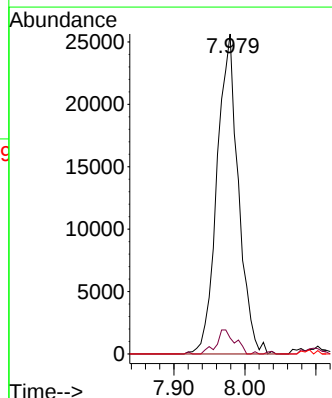
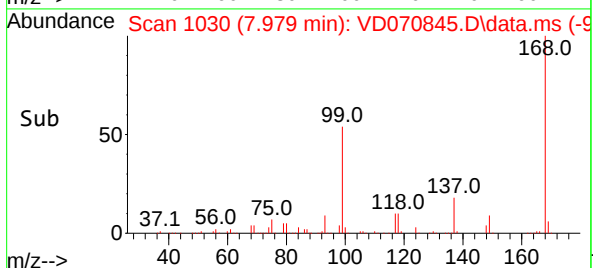
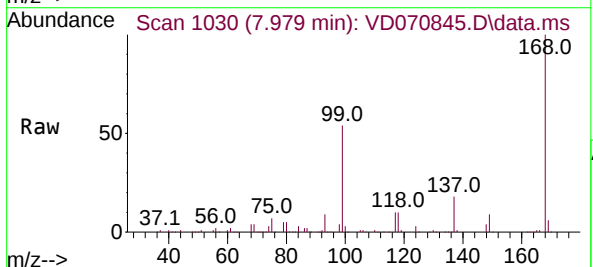
RT: 7.979 min Scan# 1030

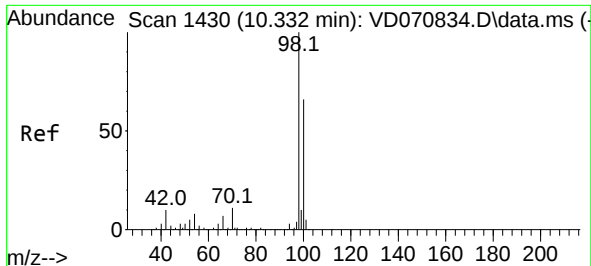
Delta R.T. -0.118 min

Lab File: VD070845.D

Acq: 26 Oct 2021 17:32

Tgt Ion: 117	Resp: 53513
Ion Ratio	Lower Upper
117	100
119	5.0 75.8 113.6#
121	0.0 23.6 35.4#

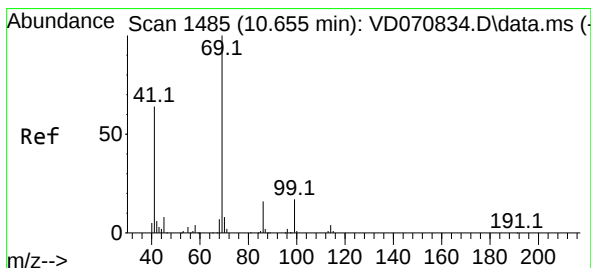
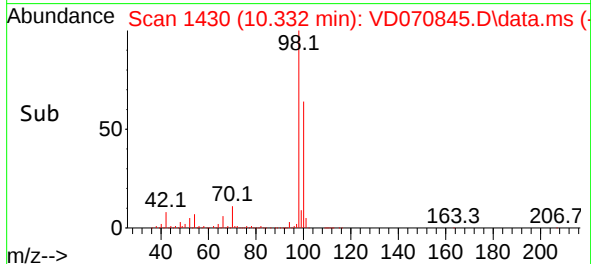
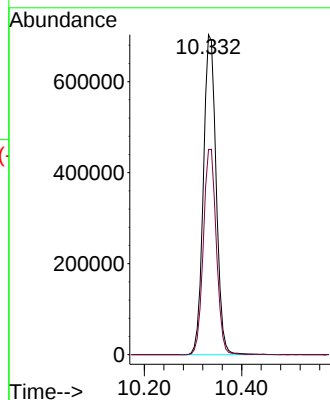
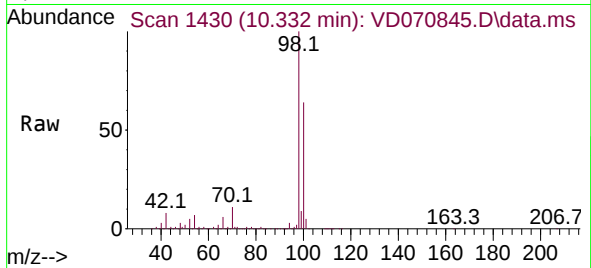




#50
Toluene-d8
Concen: 51.291 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070845.D
Acq: 26 Oct 2021 17:32

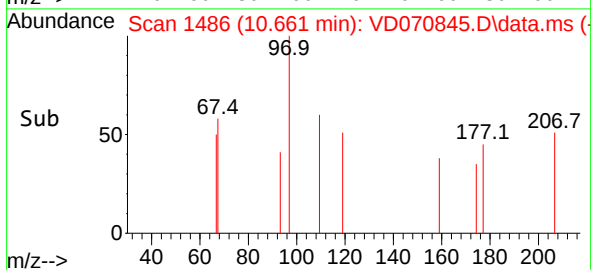
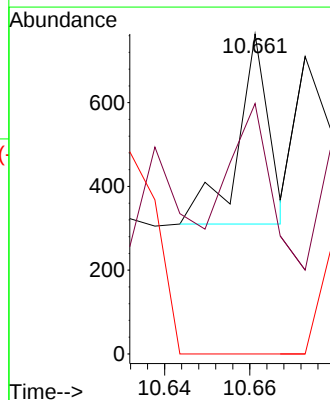
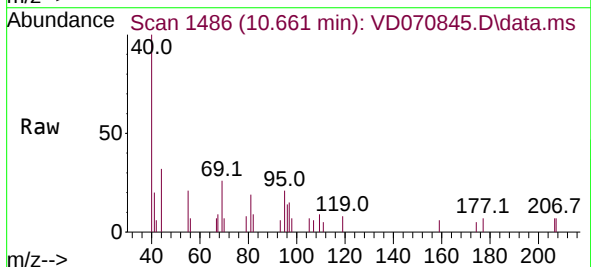
Instrument :
MSVOA_D
ClientSampleId :

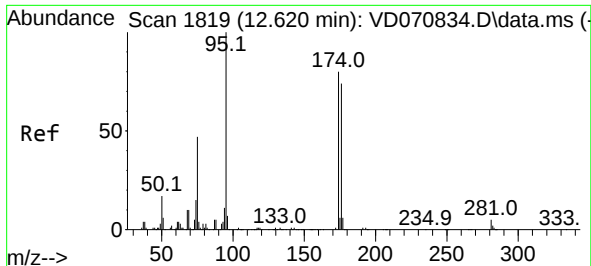
Tgt Ion: 98 Resp: 1276496
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#56
Ethyl methacrylate
Concen: 2.873 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD070845.D
Acq: 26 Oct 2021 17:32

Tgt Ion: 69 Resp: 233
Ion Ratio Lower Upper
69 100
41 125.8 50.2 75.2#
39 0.0 19.8 29.8#

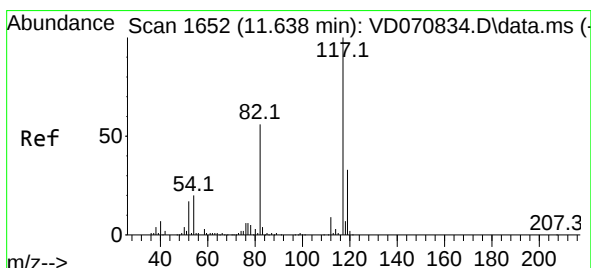
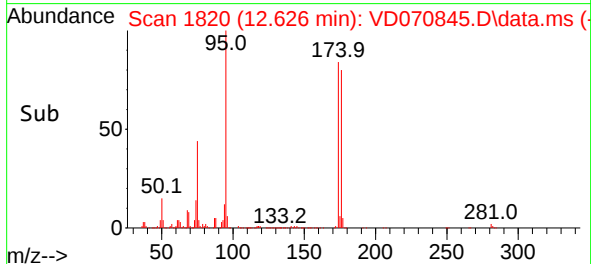
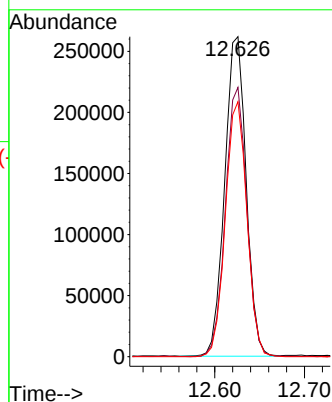
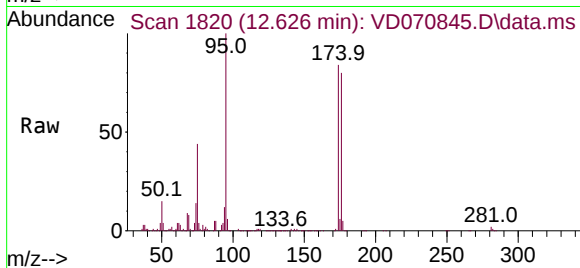




#62
4-Bromofluorobenzene
Concen: 52.911 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD070845.D
Acq: 26 Oct 2021 17:32

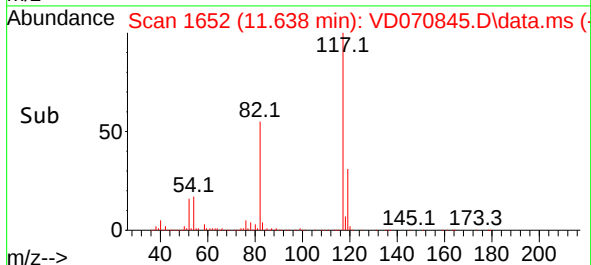
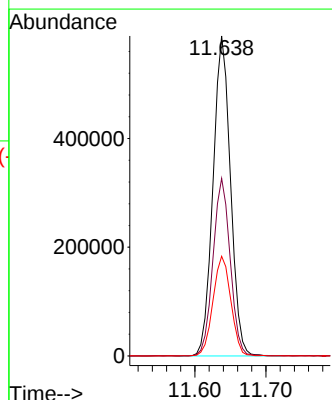
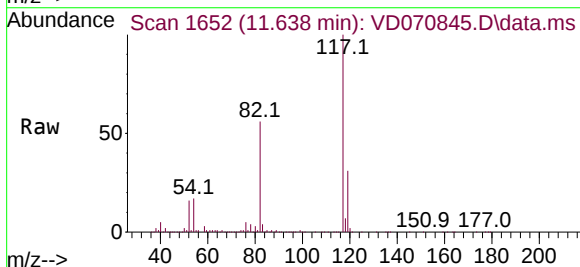
Instrument :
MSVOA_D
ClientSampleId :

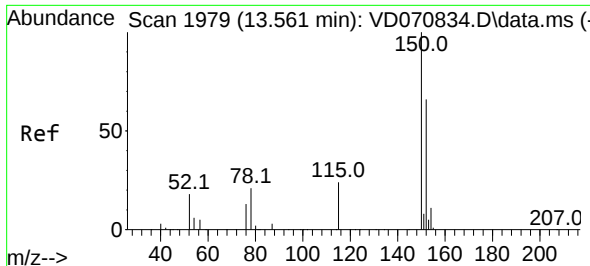
Tgt Ion: 95 Resp: 434480
Ion Ratio Lower Upper
95 100
174 84.2 0.0 159.4
176 80.0 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070845.D
Acq: 26 Oct 2021 17:32

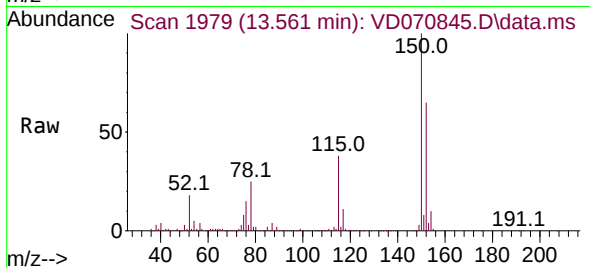
Tgt Ion: 117 Resp: 1004019
Ion Ratio Lower Upper
117 100
82 55.5 44.7 67.1
119 31.1 26.2 39.4



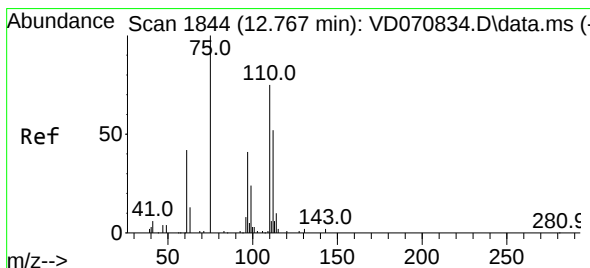
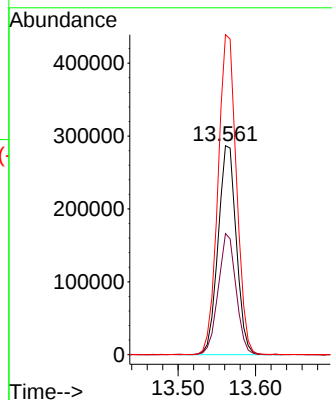
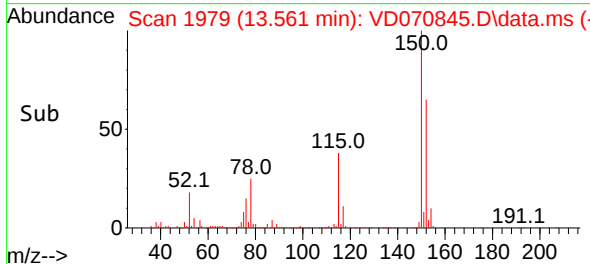


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070845.D
 Acq: 26 Oct 2021 17:32

Instrument :
 MSVOA_D
 ClientSampleId :

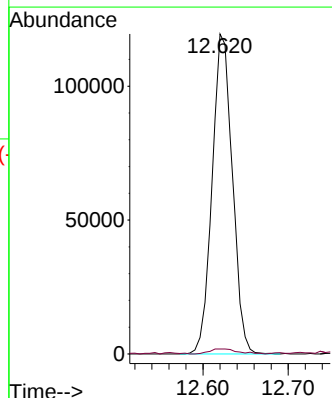
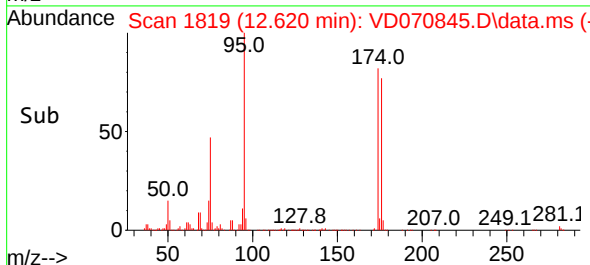
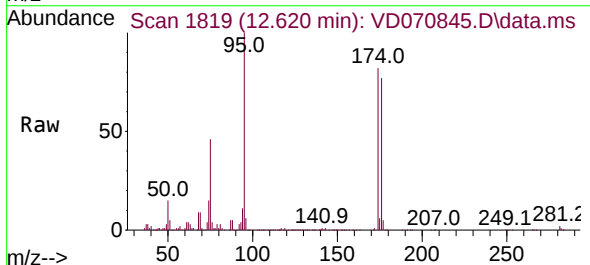


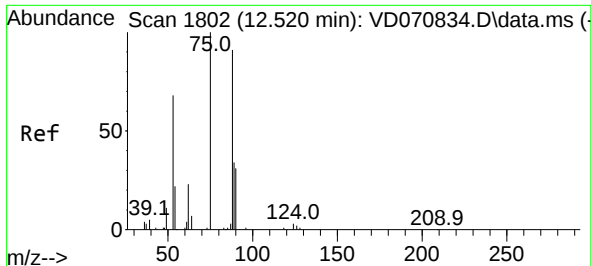
Tgt Ion:152 Resp: 468684
 Ion Ratio Lower Upper
 152 100
 115 56.9 29.8 89.3
 150 155.1 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 42.794 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD070845.D
 Acq: 26 Oct 2021 17:32

Tgt Ion: 75 Resp: 197441
 Ion Ratio Lower Upper
 75 100
 77 2.2 158.4 475.3#

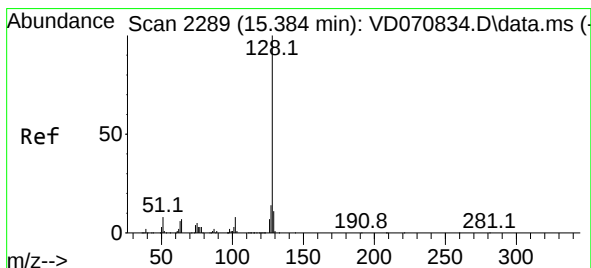
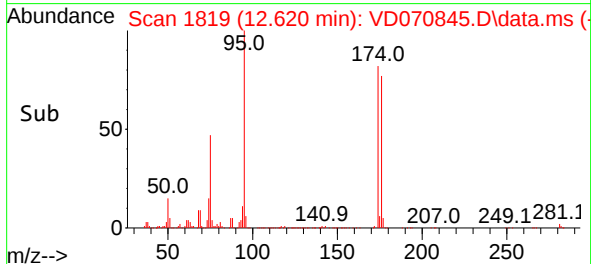
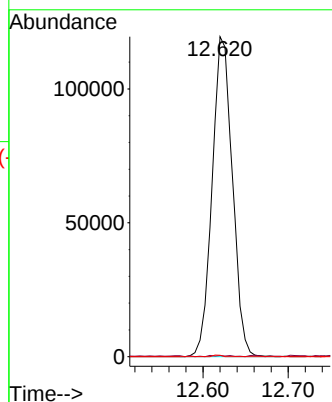
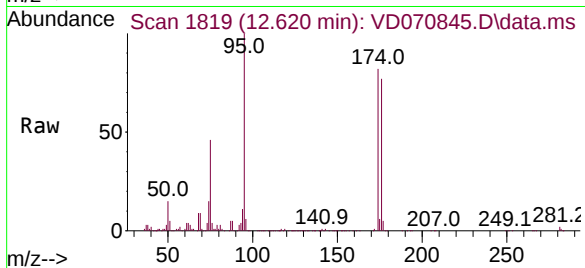




#81
trans-1,4-Dichloro-2-butene
Concen: 112.318 ug/l
RT: 12.620 min Scan# 1802
Delta R.T. 0.100 min
Lab File: VD070845.D
Acq: 26 Oct 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 197441
Ion Ratio Lower Upper
75 100
53 0.4 62.6 94.0#
89 0.2 34.5 51.7#



#95
Naphthalene
Concen: 4.381 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070845.D
Acq: 26 Oct 2021 17:32

Tgt Ion:128 Resp: 4122
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 9.4 8.7 13.1

