

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102621\
 Data File : VD070846.D
 Acq On : 26 Oct 2021 18:00
 Operator : VA/SY
 Sample : M4348-03
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 27 06:23:08 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)

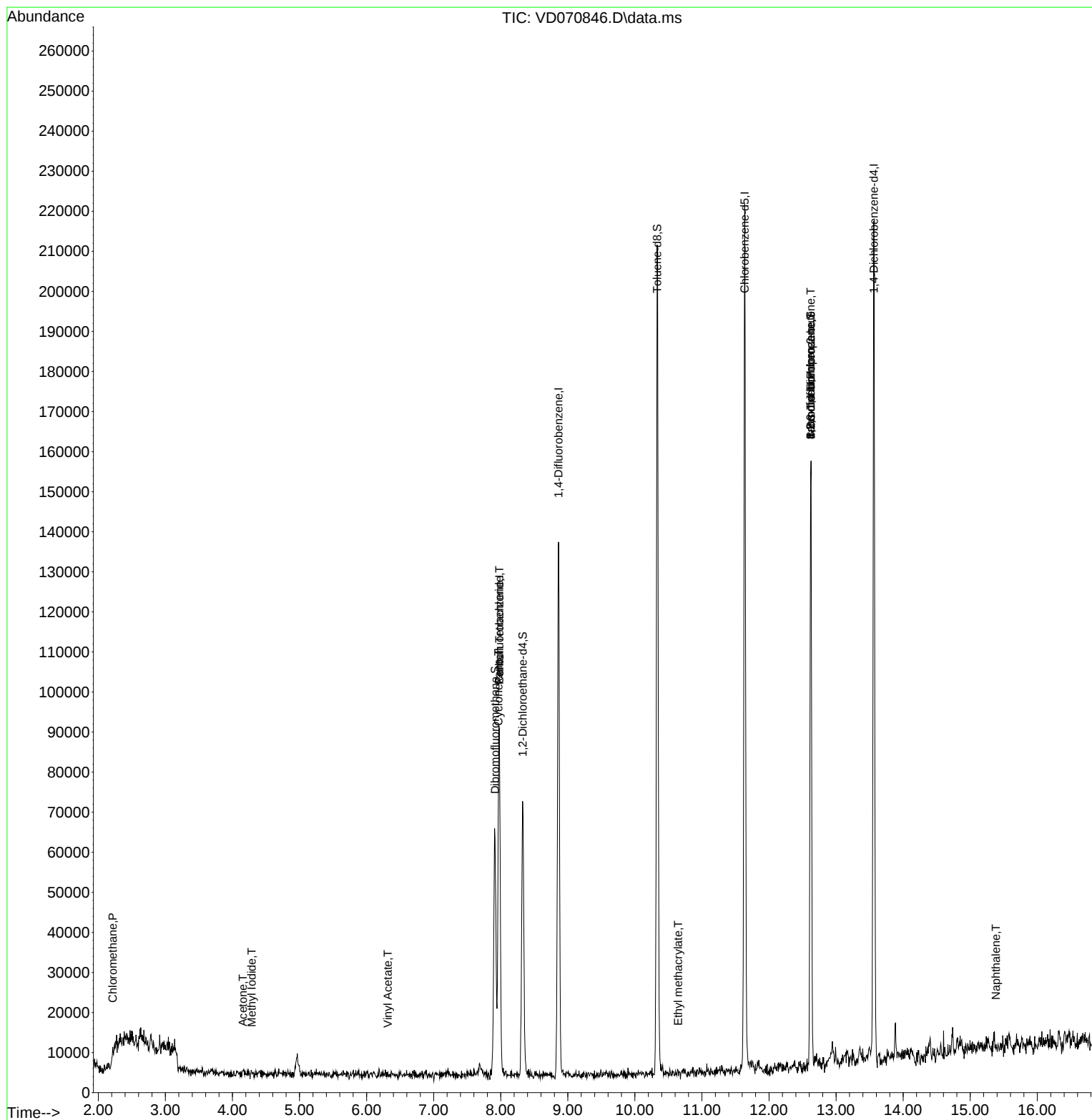
Internal Standards						
1) Pentafluorobenzene	7.979	168	67530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	111550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	125675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	57372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	53477	78.737	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 157.480%	
35) Dibromofluoromethane	7.914	113	45316	61.612	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.220%	
50) Toluene-d8	10.332	98	144657	52.278	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.560%	
62) 4-Bromofluorobenzene	12.620	95	52072	57.035	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	1264	1.426	ug/l #	42
5) Bromomethane	2.774	94	757	Below Cal	#	12
10) Methyl Iodide	4.285	142	280	3.927	ug/l #	45
16) Acetone	4.156	43	498	3.152	ug/l #	40
20) Methylene Chloride	4.956	84	4066	Below Cal	#	80
23) Vinyl Acetate	6.315	43	55	14.461	ug/l #	72
31) Cyclohexane	7.967	56	1910	1.380	ug/l #	1
38) Carbon Tetrachloride	7.979	117	6975	5.943	ug/l #	12
56) Ethyl methacrylate	10.644	69	58	2.913	ug/l #	28
71) Bromoform	12.620	173	784	1.551	ug/l #	29
76) 1,2,3-Trichloropropane	12.620	75	24838	43.978	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	24838	115.428	ug/l #	18
95) Naphthalene	15.385	128	1063	4.665	ug/l #	88

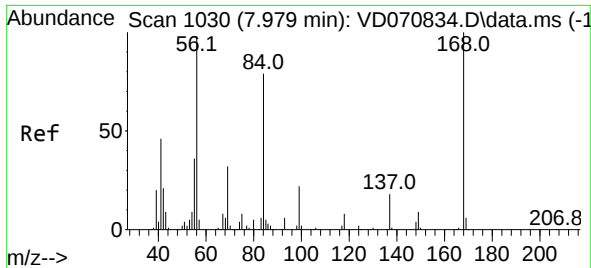
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102621\
Data File : VD070846.D
Acq On : 26 Oct 2021 18:00
Operator : VA/SY
Sample : M4348-03
Misc : 5.08G/5.00ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 27 06:23:08 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

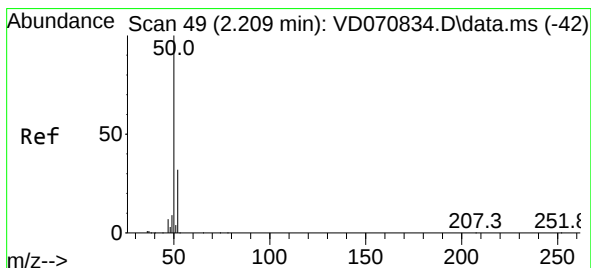
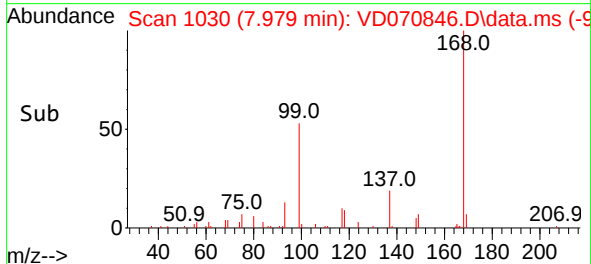
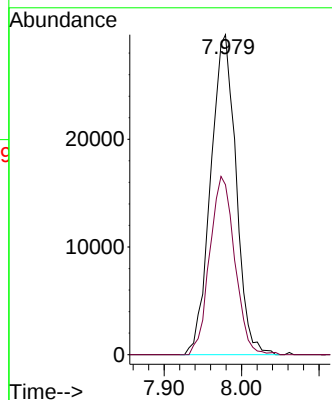
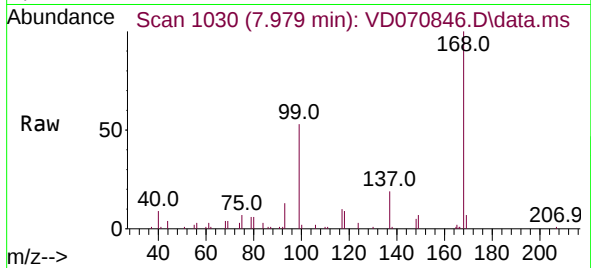




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD070846.D
Acq: 26 Oct 2021 18:00

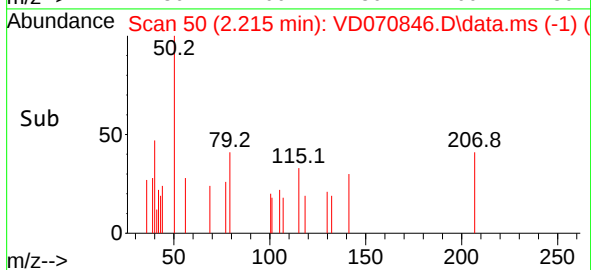
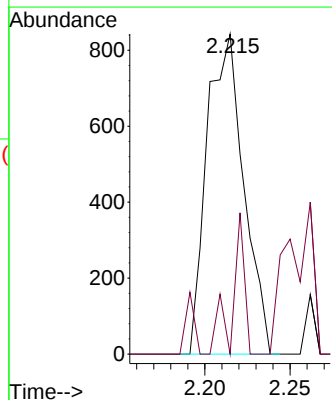
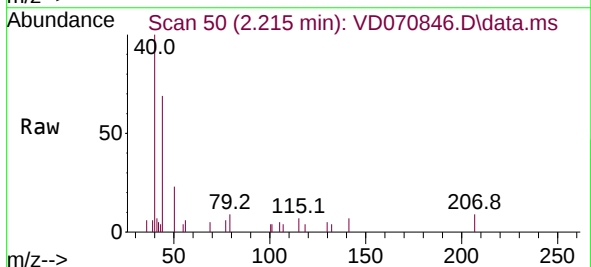
Instrument :
MSVOA_D
ClientSampleId :

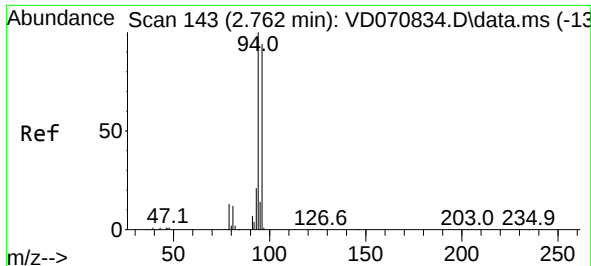
Tgt Ion:168 Resp: 67530
Ion Ratio Lower Upper
168 100
99 53.1 46.6 69.8



#3
Chloromethane
Concen: 1.426 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070846.D
Acq: 26 Oct 2021 18:00

Tgt Ion: 50 Resp: 1264
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

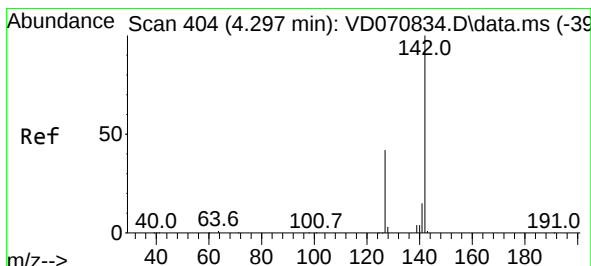
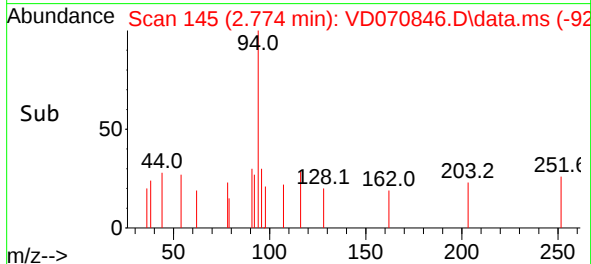
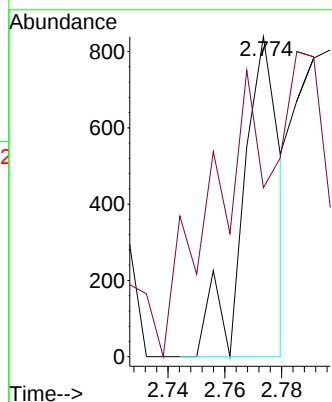
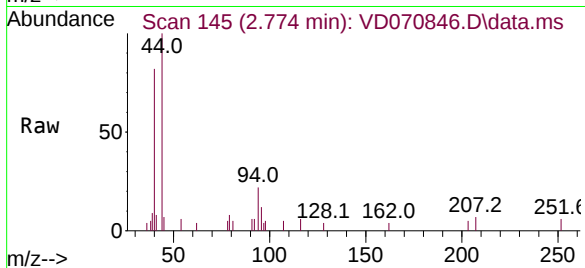




#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 143
Delta R.T. 0.012 min
Lab File: VD070846.D
Acq: 26 Oct 2021 18:00

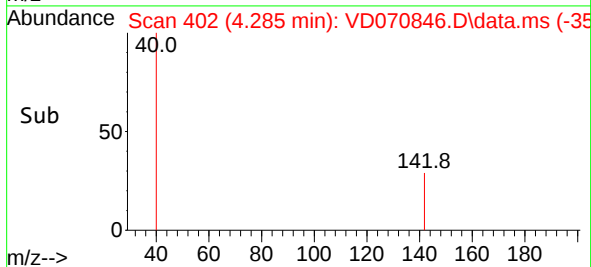
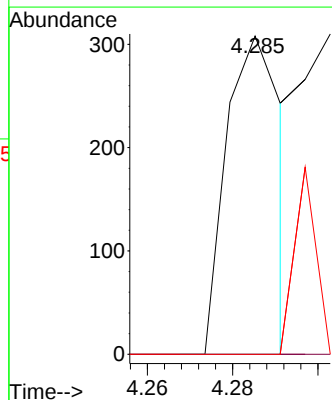
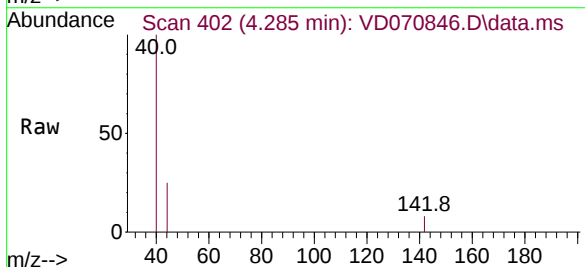
Instrument :
MSVOA_D
ClientSampleId :

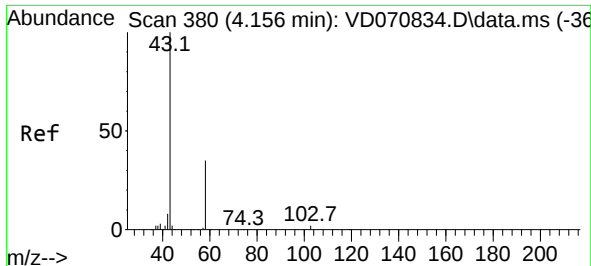
Tgt Ion: 94 Resp: 757
Ion Ratio Lower Upper
94 100
96 8.8 74.8 112.2#



#10
Methyl Iodide
Concen: 3.927 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD070846.D
Acq: 26 Oct 2021 18:00

Tgt Ion:142 Resp: 280
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 22.9 12.0 18.0#

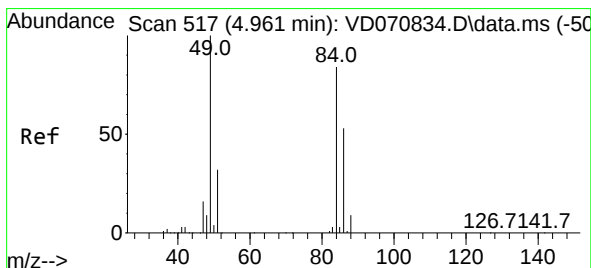
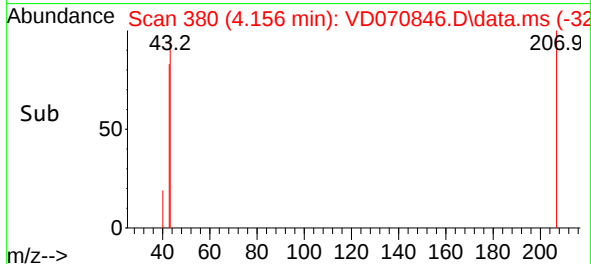
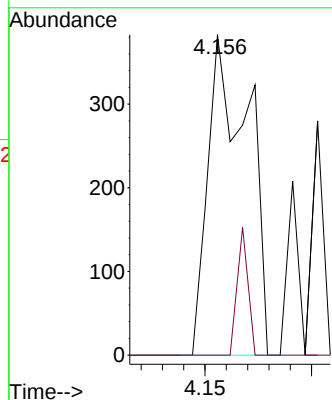
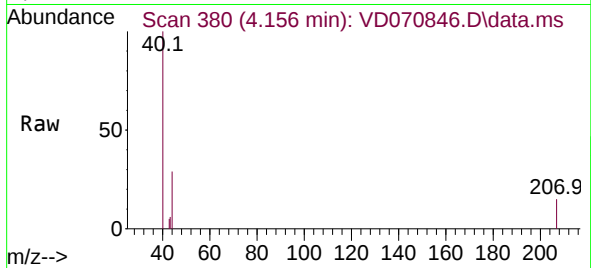




#16
Acetone
Concen: 3.152 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.000 min
Lab File: VD070846.D
Acq: 26 Oct 2021 18:00

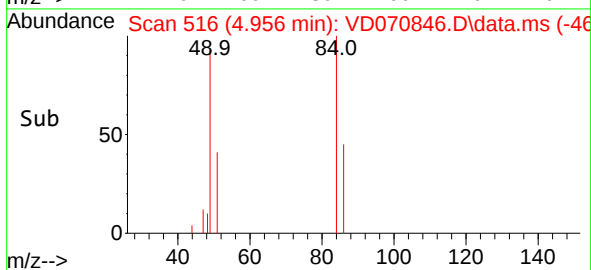
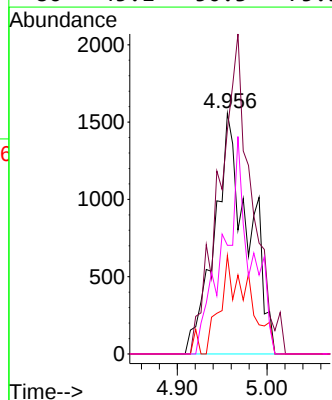
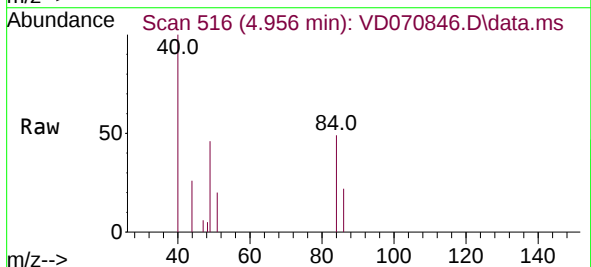
Instrument :
MSVOA_D
ClientSampleId :

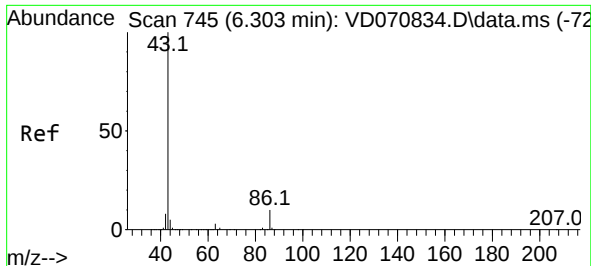
Tgt Ion: 43 Resp: 498
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD070846.D
Acq: 26 Oct 2021 18:00

Tgt Ion: 84 Resp: 4066
Ion Ratio Lower Upper
84 100
49 93.1 95.8 143.6#
51 40.9 30.9 46.3
86 45.1 50.3 75.5#

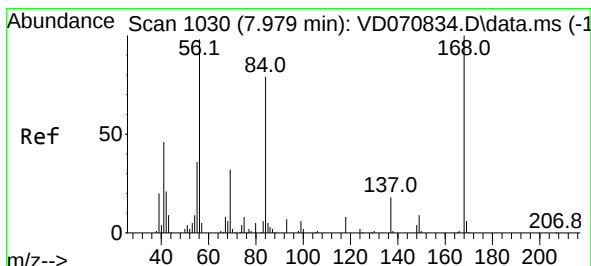
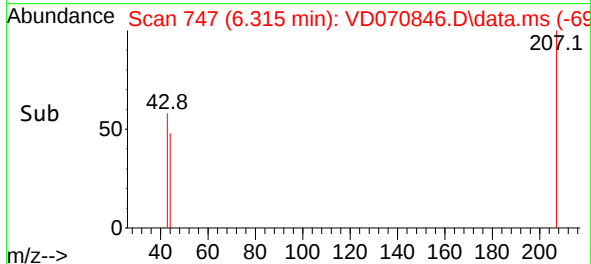
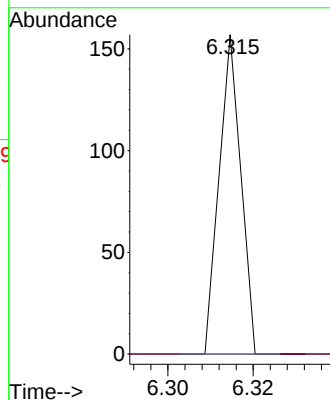
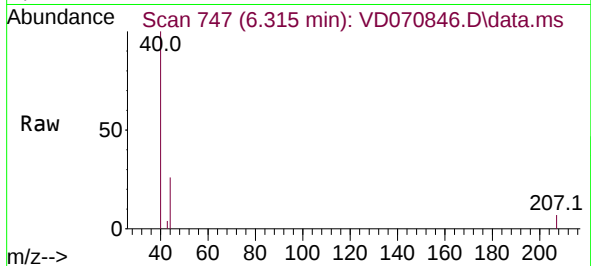




#23
 Vinyl Acetate
 Concen: 14.461 ug/l
 RT: 6.315 min Scan# 745
 Delta R.T. 0.012 min
 Lab File: VD070846.D
 Acq: 26 Oct 2021 18:00

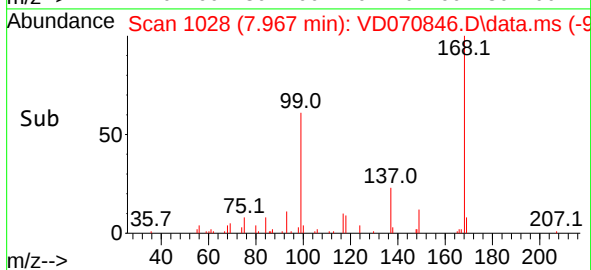
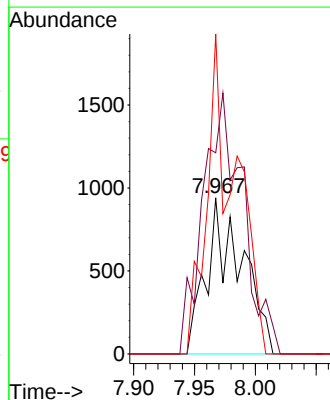
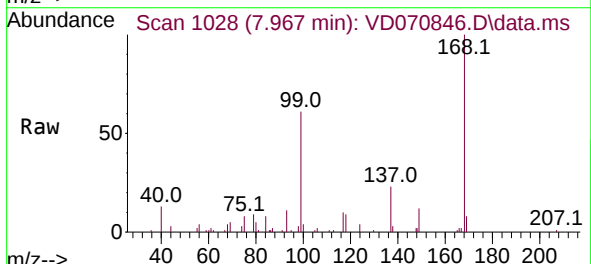
Instrument :
 MSVOA_D
 ClientSampleId :

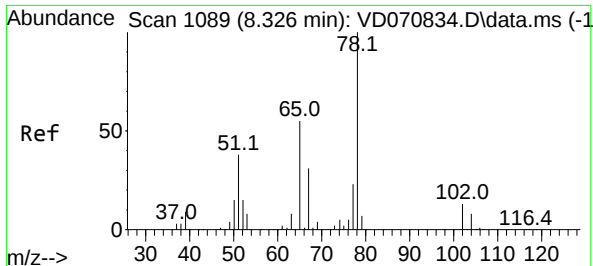
Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#31
 Cyclohexane
 Concen: 1.380 ug/l
 RT: 7.967 min Scan# 1028
 Delta R.T. -0.011 min
 Lab File: VD070846.D
 Acq: 26 Oct 2021 18:00

Tgt Ion: 56 Resp: 1910
 Ion Ratio Lower Upper
 56 100
 69 128.8 25.9 38.9#
 84 204.9 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 78.737 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070846.D

Acq: 26 Oct 2021 18:00

Instrument :

MSVOA_D

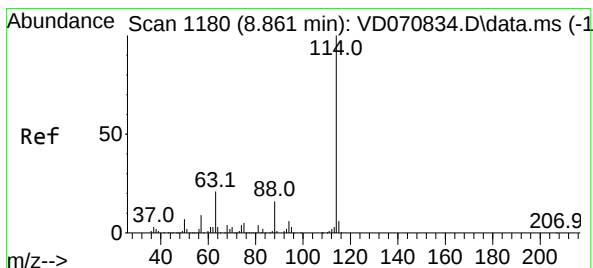
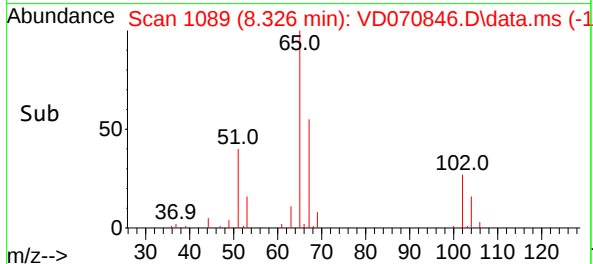
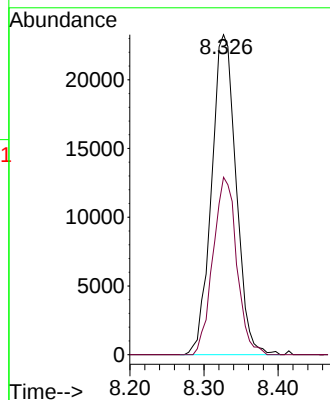
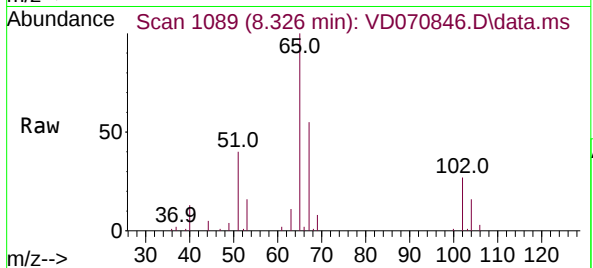
ClientSampleId :

Tgt Ion: 65 Resp: 53477

Ion Ratio Lower Upper

65 100

67 53.7 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: VD070846.D

Acq: 26 Oct 2021 18:00

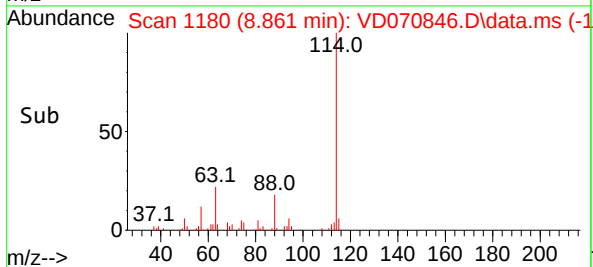
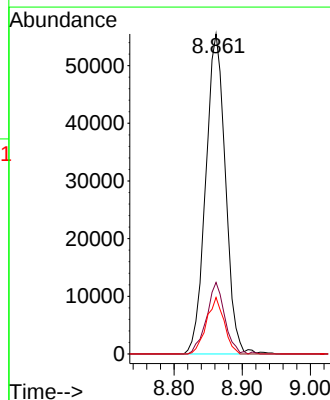
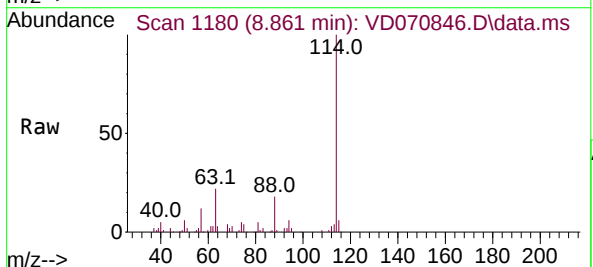
Tgt Ion: 114 Resp: 111550

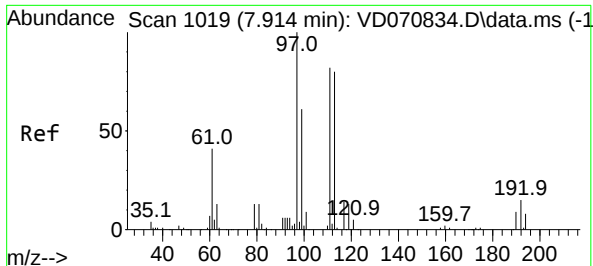
Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.8

88 17.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 61.612 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070846.D

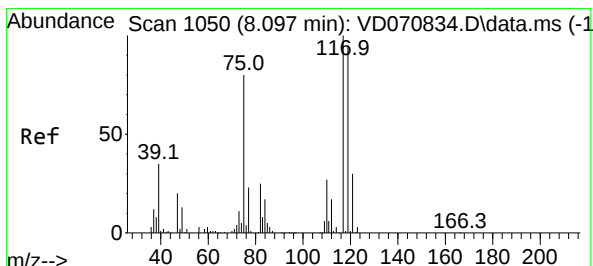
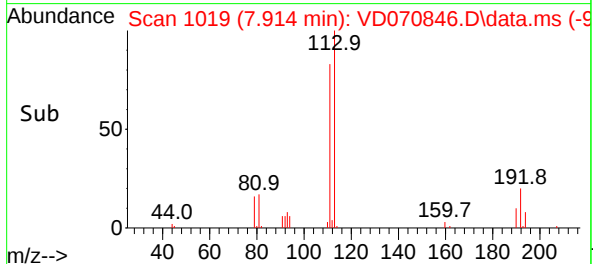
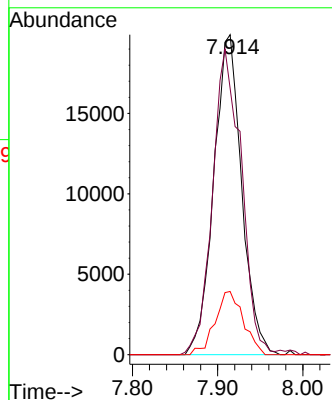
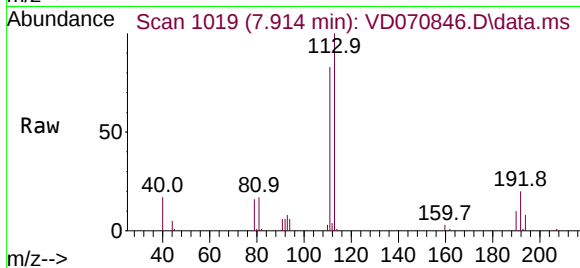
Acq: 26 Oct 2021 18:00

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	113	Resp:	45316
Ion	Ratio	Lower	Upper
113	100		
111	98.6	82.0	123.0
192	20.0	15.2	22.8



#38

Carbon Tetrachloride

Concen: 5.943 ug/l

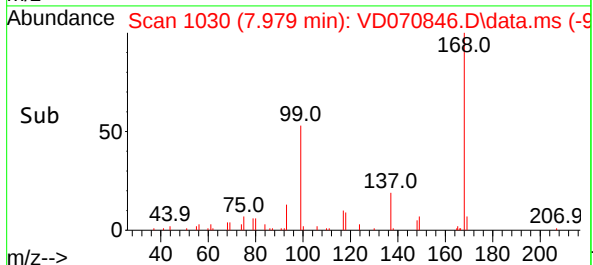
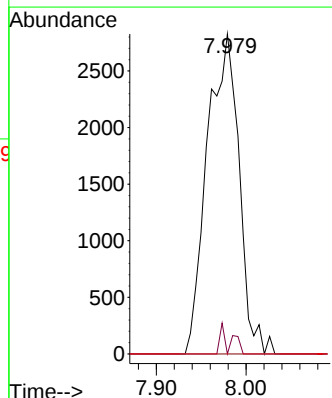
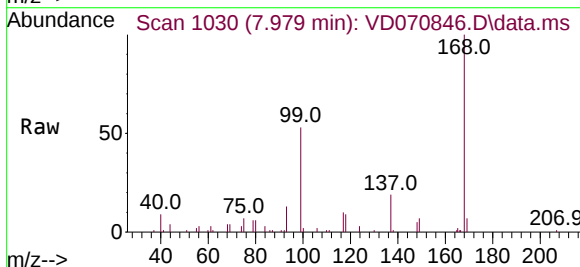
RT: 7.979 min Scan# 1030

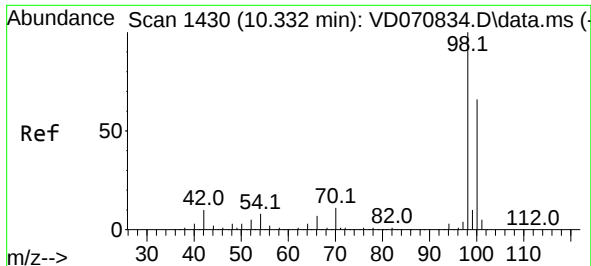
Delta R.T. -0.117 min

Lab File: VD070846.D

Acq: 26 Oct 2021 18:00

Tgt Ion:	117	Resp:	6975
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.6#
121	0.0	23.6	35.4#

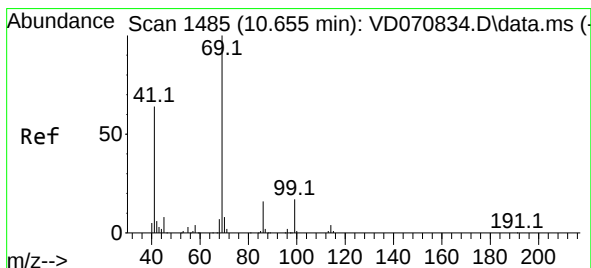
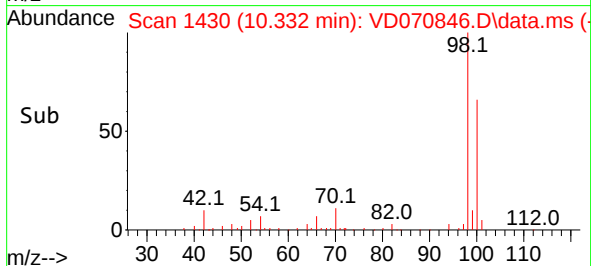
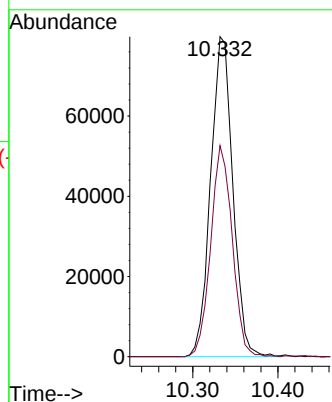
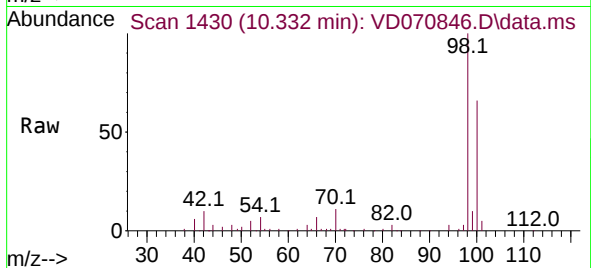




#50
Toluene-d8
Concen: 52.278 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070846.D
Acq: 26 Oct 2021 18:00

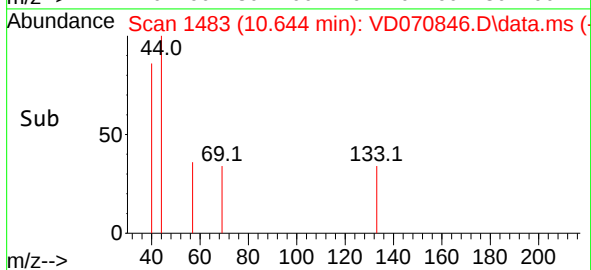
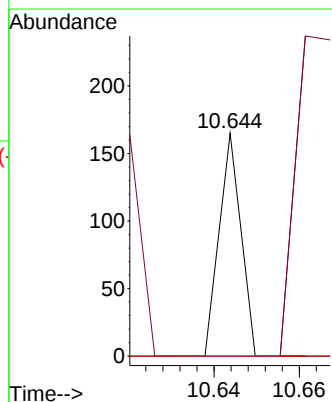
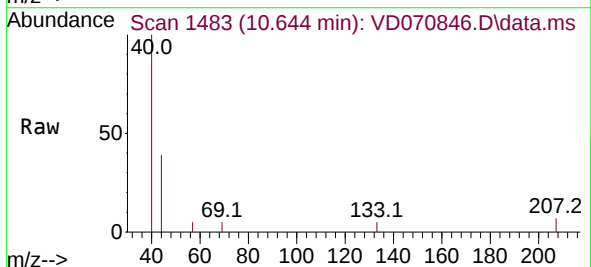
Instrument :
MSVOA_D
ClientSampleId :

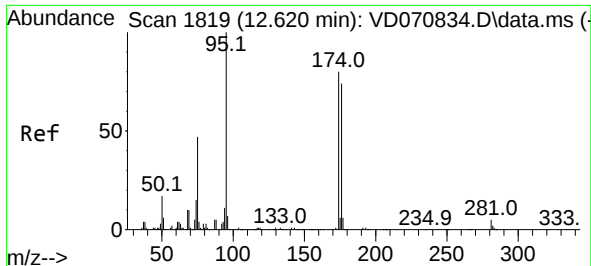
Tgt Ion: 98 Resp: 144657
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.6



#56
Ethyl methacrylate
Concen: 2.913 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.011 min
Lab File: VD070846.D
Acq: 26 Oct 2021 18:00

Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#

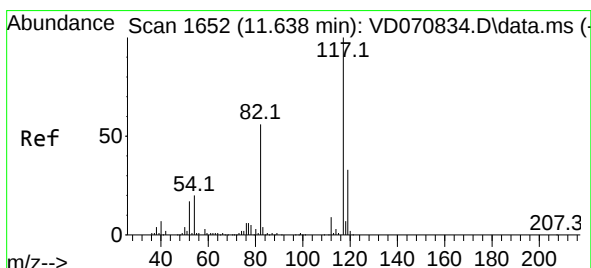
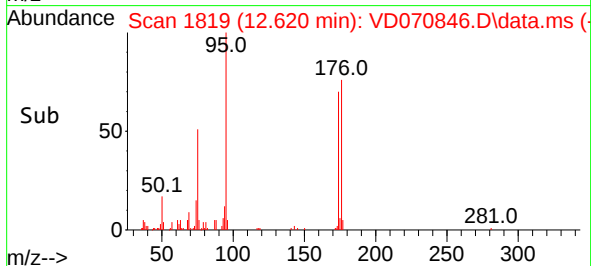
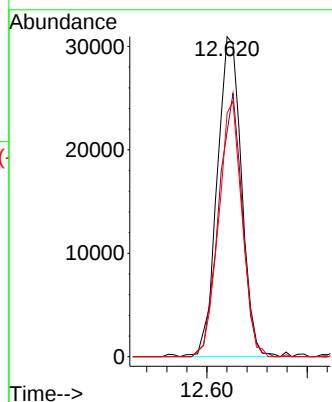
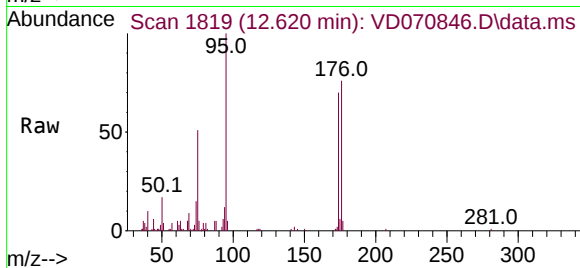




#62
4-Bromofluorobenzene
Concen: 57.035 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070846.D
Acq: 26 Oct 2021 18:00

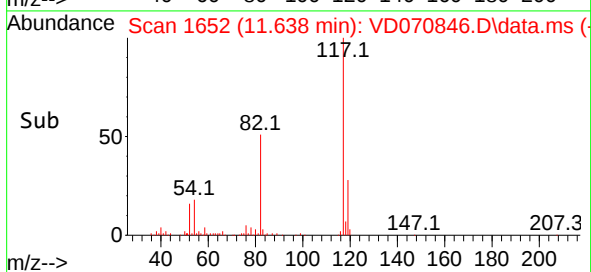
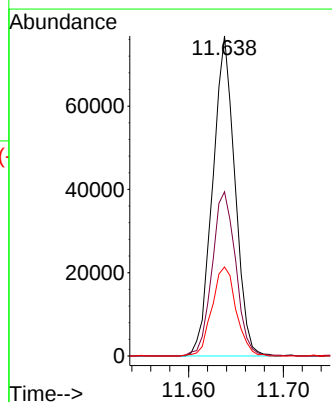
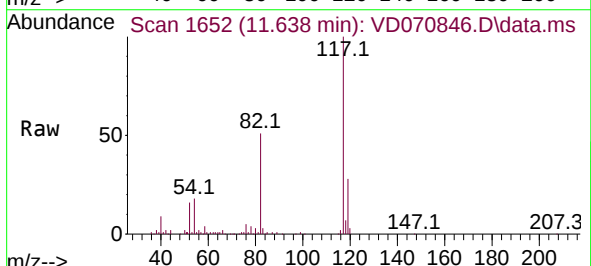
Instrument :
MSVOA_D
ClientSampleId :

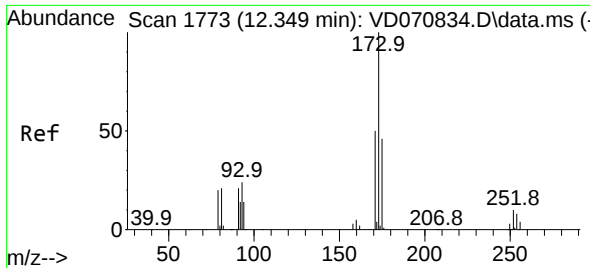
Tgt Ion: 95 Resp: 52072
Ion Ratio Lower Upper
95 100
174 79.6 0.0 159.4
176 77.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070846.D
Acq: 26 Oct 2021 18:00

Tgt Ion: 117 Resp: 125675
Ion Ratio Lower Upper
117 100
82 51.3 44.7 67.1
119 27.8 26.2 39.4

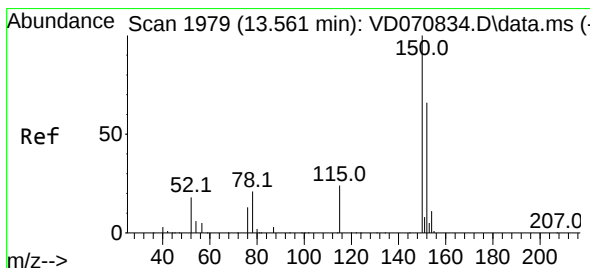
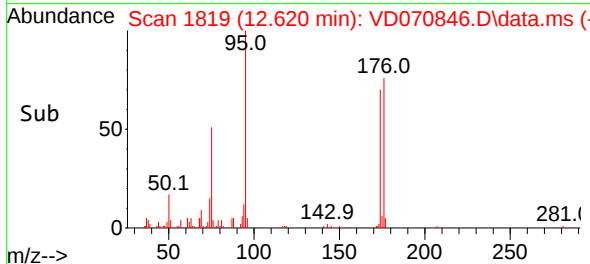
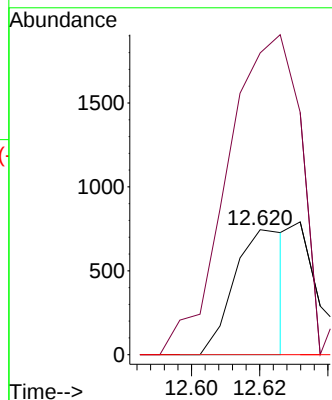
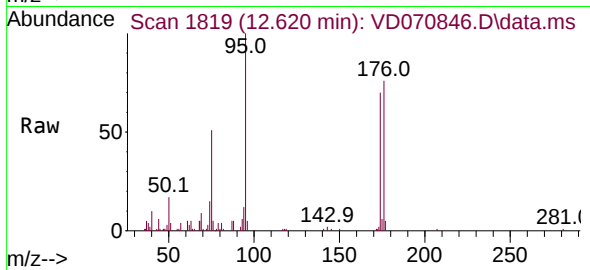




#71
Bromoform
Concen: 1.551 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD070846.D
Acq: 26 Oct 2021 18:00

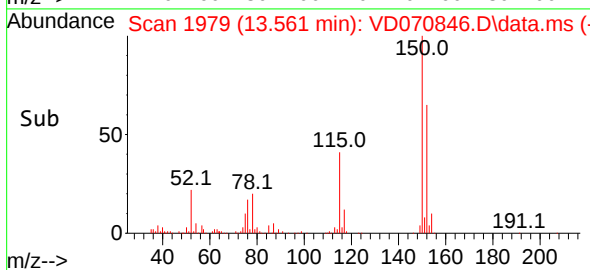
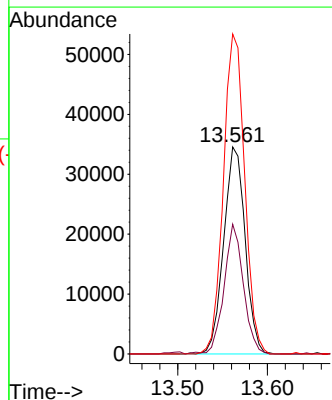
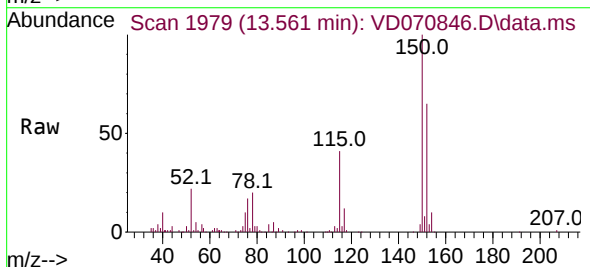
Instrument :
MSVOA_D
ClientSampleId :

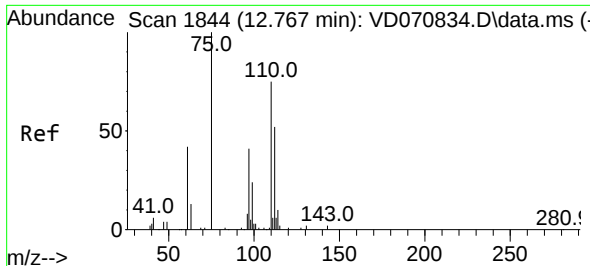
Tgt Ion:173 Resp: 784
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070846.D
Acq: 26 Oct 2021 18:00

Tgt Ion:152 Resp: 57372
Ion Ratio Lower Upper
152 100
115 56.6 29.8 89.3
150 153.0 0.0 349.2

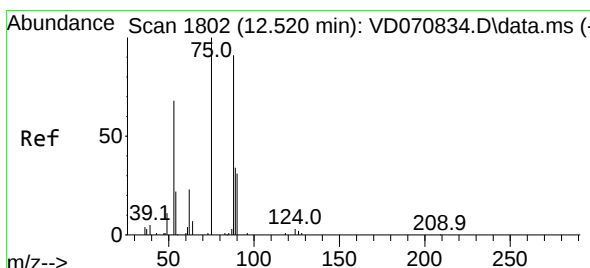
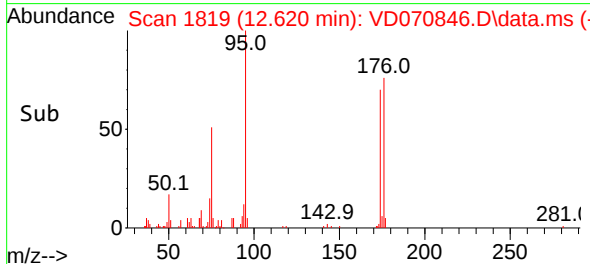
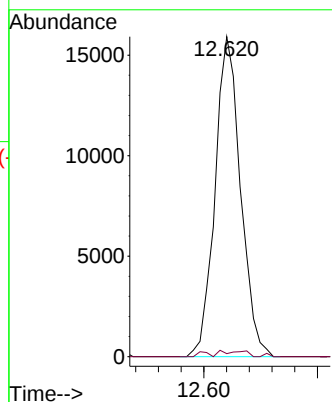
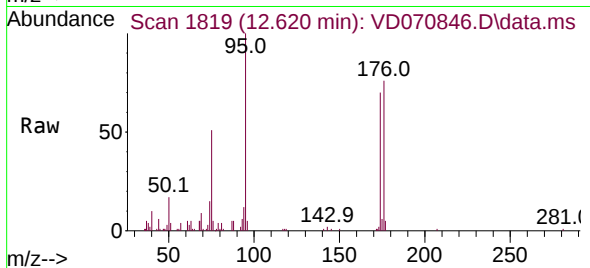




#76
1,2,3-Trichloropropane
Concen: 43.978 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070846.D
Acq: 26 Oct 2021 18:00

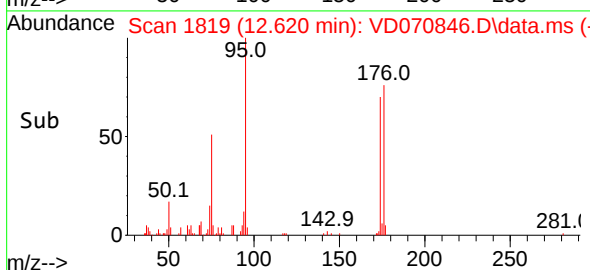
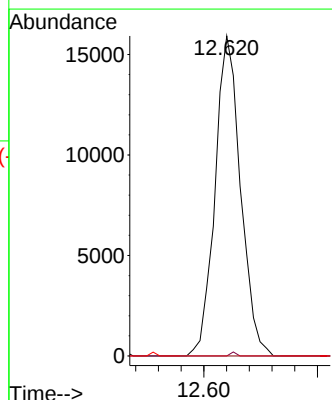
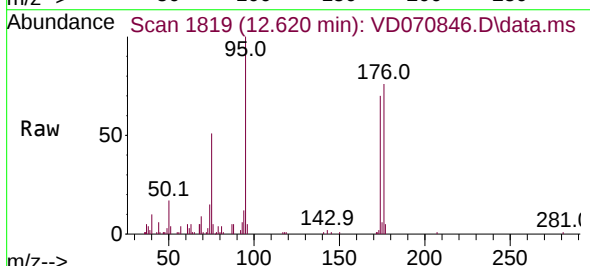
Instrument :
MSVOA_D
ClientSampleId :

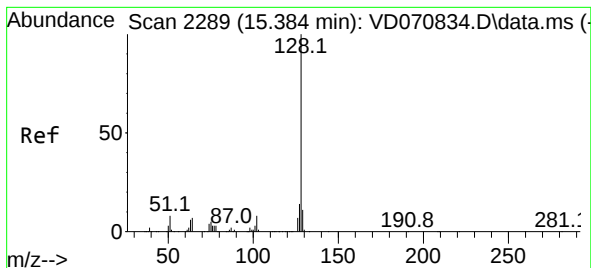
Tgt Ion: 75 Resp: 24838
Ion Ratio Lower Upper
75 100
77 1.8 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.428 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070846.D
Acq: 26 Oct 2021 18:00

Tgt Ion: 75 Resp: 24838
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.665 ug/l

RT: 15.385 min Scan# 21

Delta R.T. 0.001 min

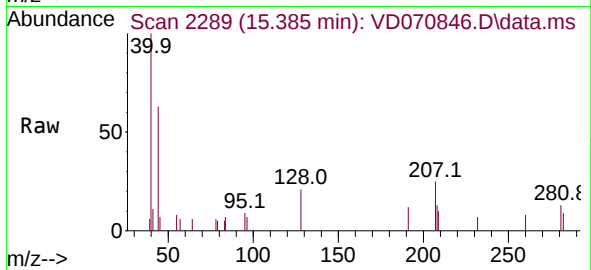
Lab File: VD070846.D

Acq: 26 Oct 2021 18:00

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:128 Resp: 1063

Ion Ratio Lower Upper

128 100

127 7.1 10.7 16.1#

129 7.8 8.7 13.1#

