

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110321\
 Data File : VD070902.D
 Acq On : 03 Nov 2021 11:05
 Operator : VA/SY
 Sample : VD1103SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 03 22:07:31 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	448523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	797548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	757979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	332794	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	238344	52.836	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.680%
35) Dibromofluoromethane	7.909	113	267178	50.808	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.620%
50) Toluene-d8	10.338	98	980342	49.553	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.100%
62) 4-Bromofluorobenzene	12.626	95	316463	48.481	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.960%

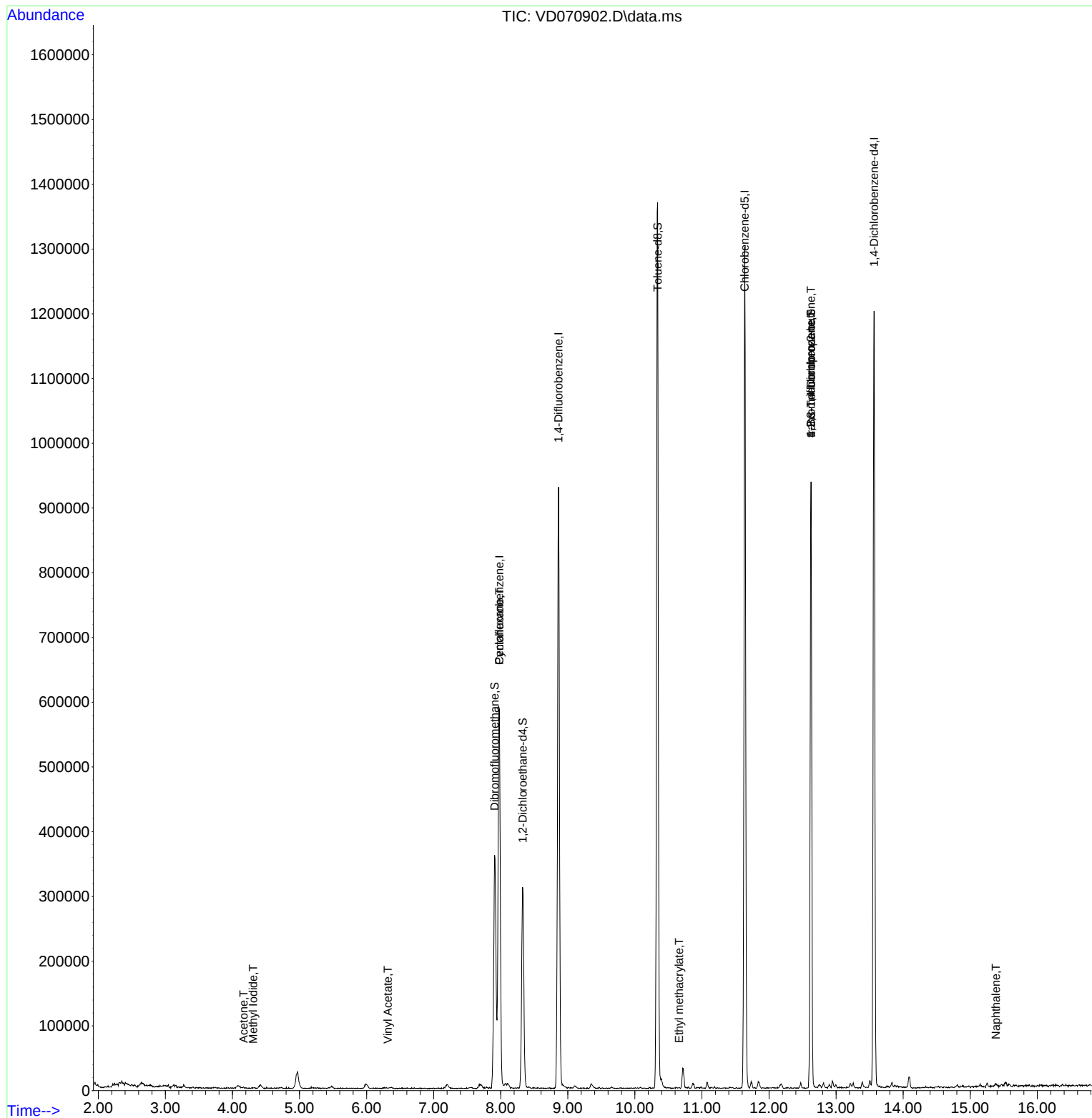
Target Compounds					Qvalue	
5) Bromomethane	2.744	94	110	Below Cal	#	3
10) Methyl Iodide	4.309	142	1093	3.796	ug/l #	65
16) Acetone	4.168	43	2220	2.115	ug/l	97
20) Methylene Chloride	4.973	84	19192	Below Cal		97
23) Vinyl Acetate	6.314	43	681	14.501	ug/l #	72
31) Cyclohexane	7.979	56	11700	1.273	ug/l #	16
56) Ethyl methacrylate	10.661	69	136	2.865	ug/l #	27
76) 1,2,3-Trichloropropane	12.626	75	151265	46.173	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	151265	121.187	ug/l #	18
95) Naphthalene	15.385	128	3605	4.441	ug/l #	82

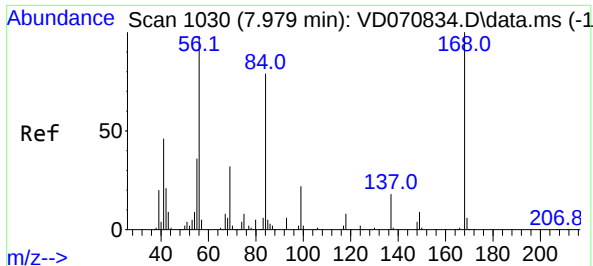
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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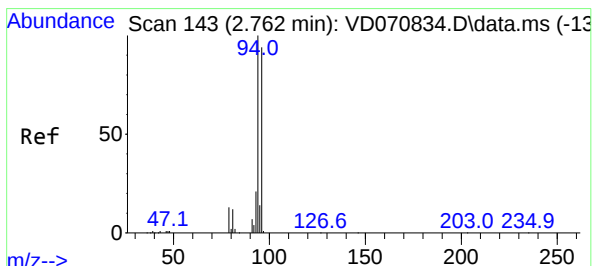
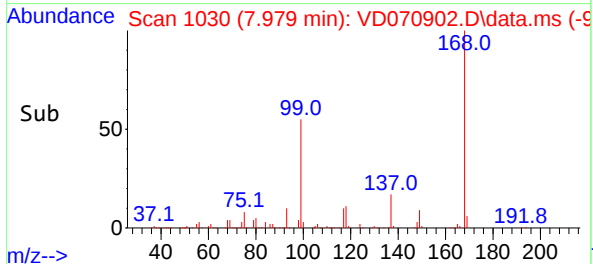
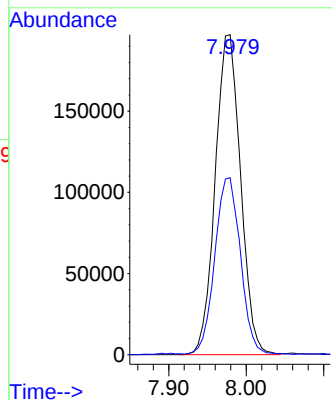
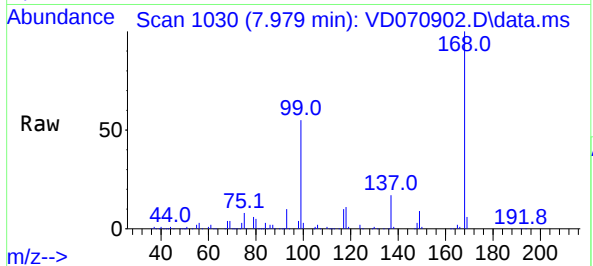




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD070902.D
Acq: 03 Nov 2021 11:05

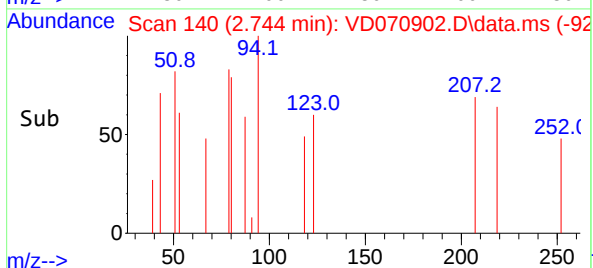
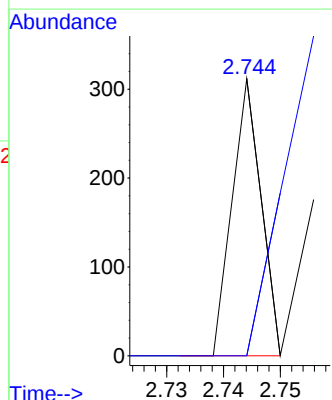
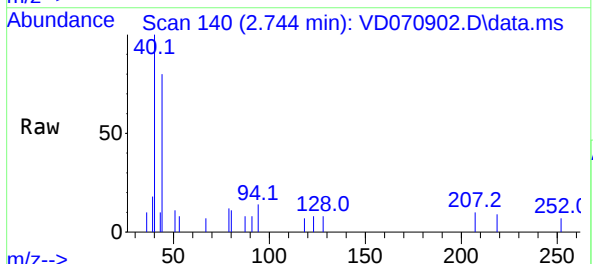
Instrument :
MSVOA_D
ClientSampleId :

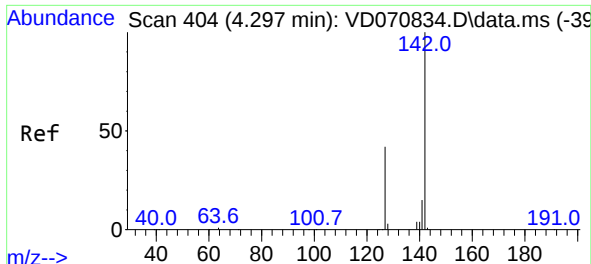
Tgt Ion:168 Resp: 448523
Ion Ratio Lower Upper
168 100
99 55.0 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.744 min Scan# 140
Delta R.T. -0.018 min
Lab File: VD070902.D
Acq: 03 Nov 2021 11:05

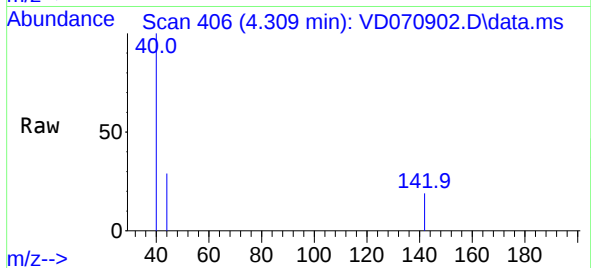
Tgt Ion: 94 Resp: 110
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



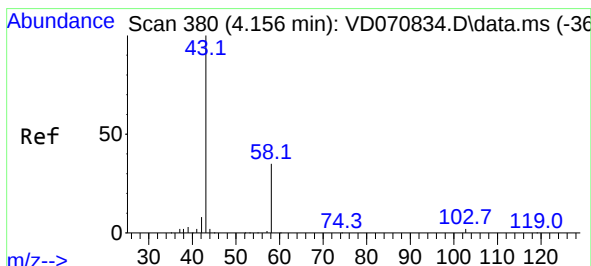
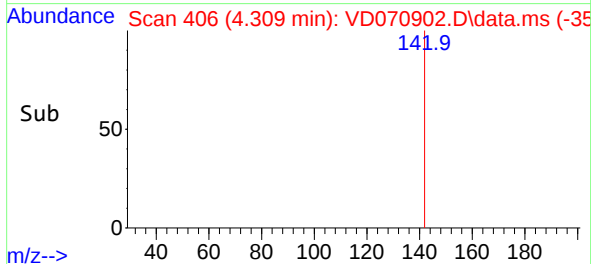
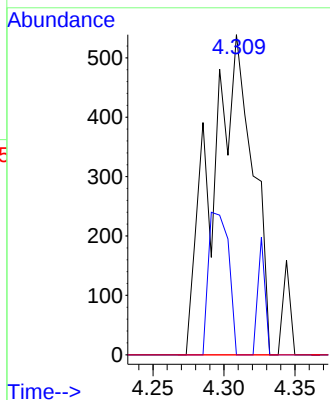


#10
Methyl Iodide
Concen: 3.796 ug/l
RT: 4.309 min Scan# 404
Delta R.T. 0.012 min
Lab File: VD070902.D
Acq: 03 Nov 2021 11:05

Instrument :
MSVOA_D
ClientSampleId :

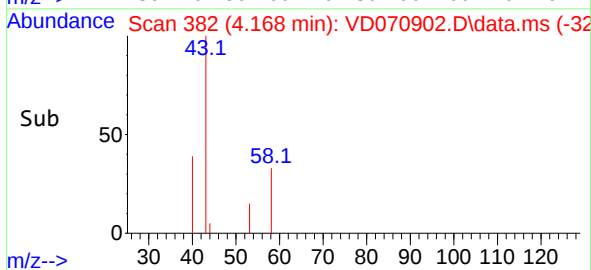
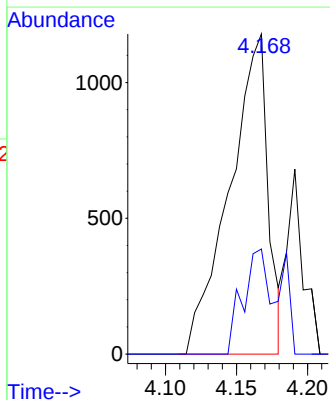
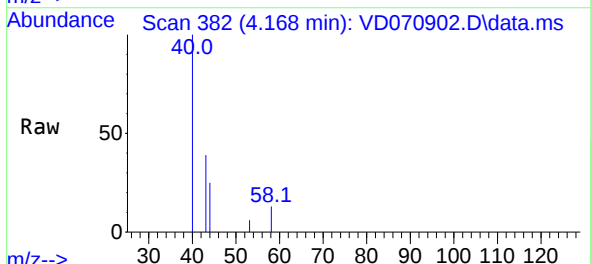


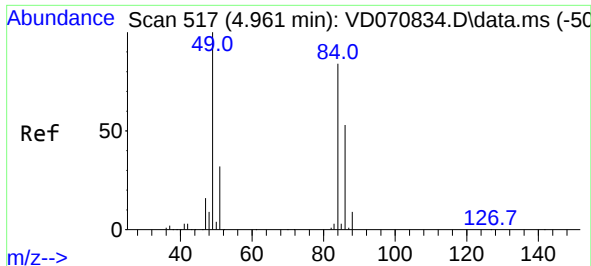
Tgt Ion:142 Resp: 1093
Ion Ratio Lower Upper
142 100
127 21.6 35.0 52.4#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 2.115 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070902.D
Acq: 03 Nov 2021 11:05

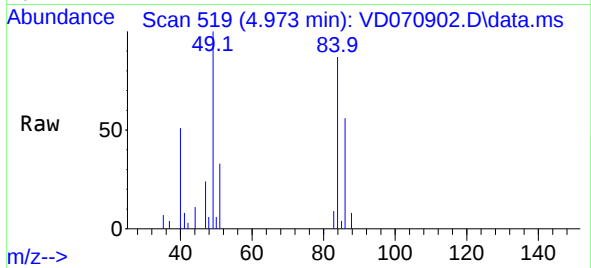
Tgt Ion: 43 Resp: 2220
Ion Ratio Lower Upper
43 100
58 32.8 27.8 41.8





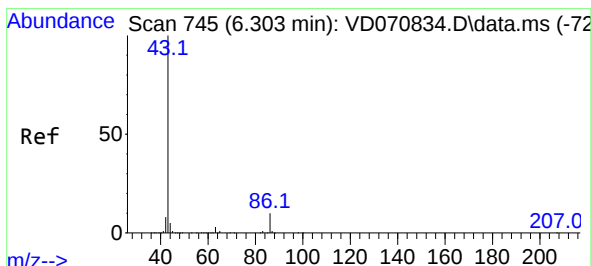
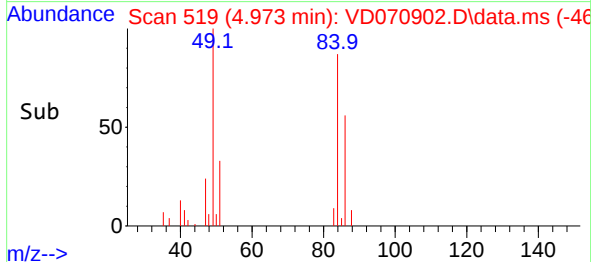
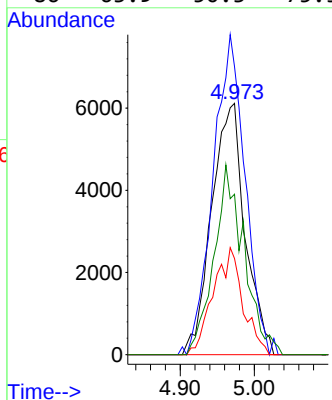
#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.012 min
Lab File: VD070902.D
Acq: 03 Nov 2021 11:05

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 19192

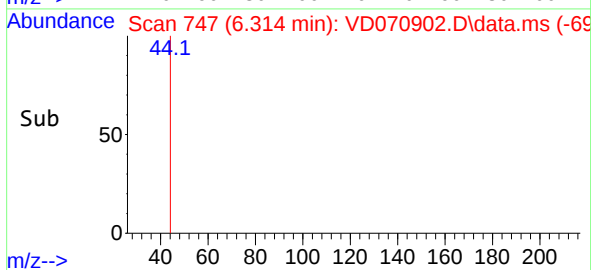
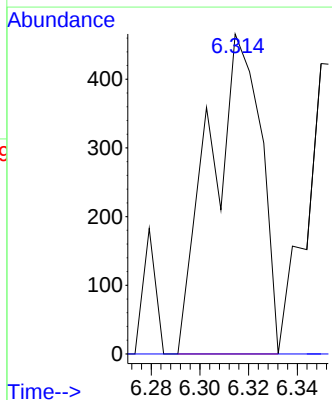
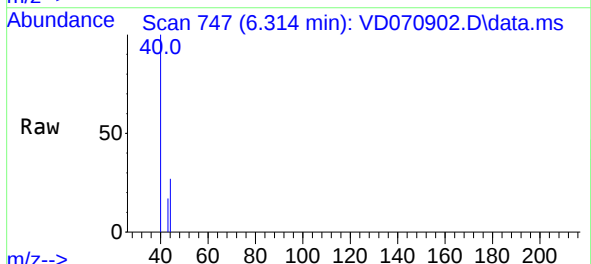
Ion	Ratio	Lower	Upper
84	100		
49	114.6	95.8	143.6
51	38.2	30.9	46.3
86	63.9	50.3	75.5

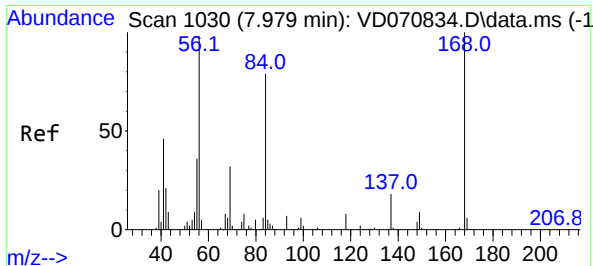


#23
Vinyl Acetate
Concen: 14.501 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.011 min
Lab File: VD070902.D
Acq: 03 Nov 2021 11:05

Tgt Ion: 43 Resp: 681

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#





#31

Cyclohexane

Concen: 1.273 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070902.D

Acq: 03 Nov 2021 11:05

Instrument :

MSVOA_D

ClientSampleId :

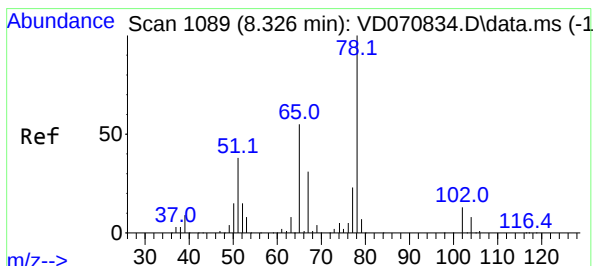
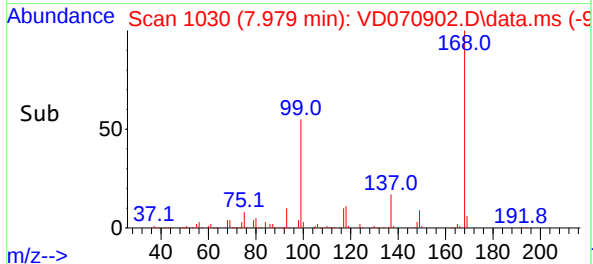
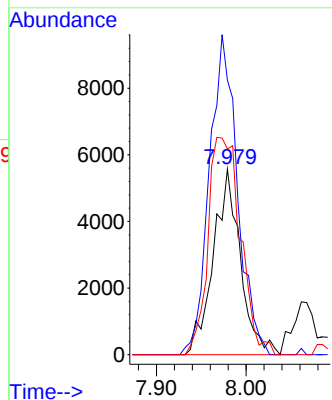
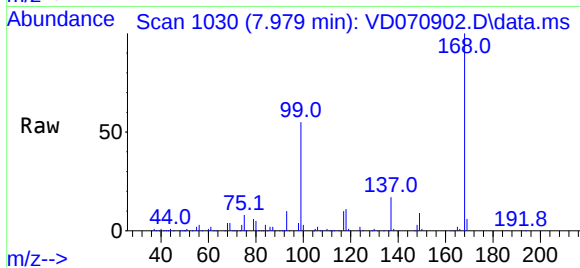
Tgt Ion: 56 Resp: 11700

Ion Ratio Lower Upper

56 100

69 147.9 25.9 38.9#

84 110.9 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 52.836 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070902.D

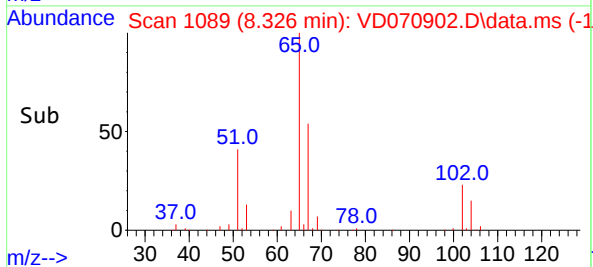
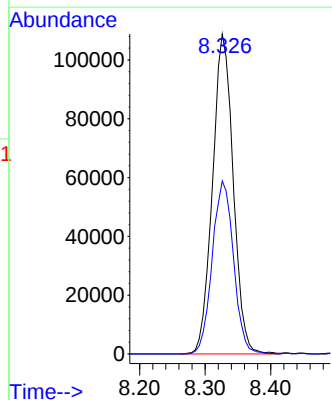
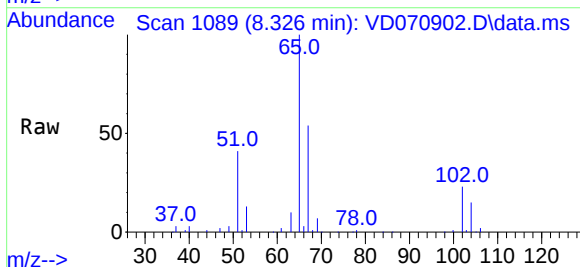
Acq: 03 Nov 2021 11:05

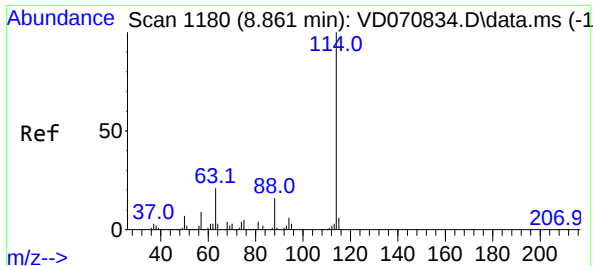
Tgt Ion: 65 Resp: 238344

Ion Ratio Lower Upper

65 100

67 55.5 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: VD070902.D

Acq: 03 Nov 2021 11:05

Instrument :

MSVOA_D

ClientSampleId :

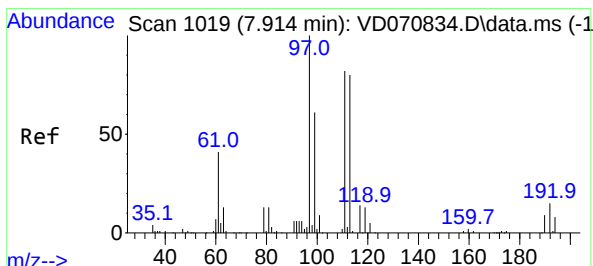
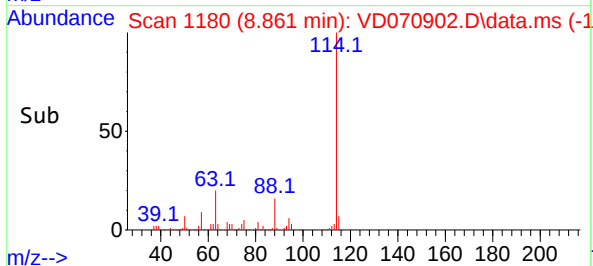
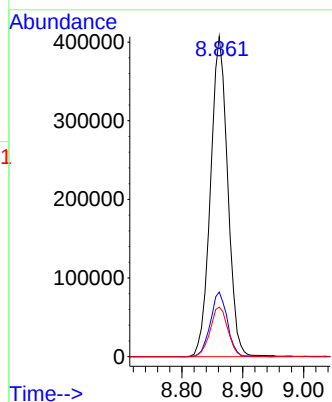
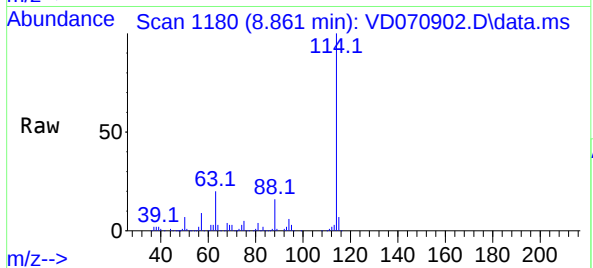
Tgt Ion:114 Resp: 797548

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.8

88 15.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.808 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070902.D

Acq: 03 Nov 2021 11:05

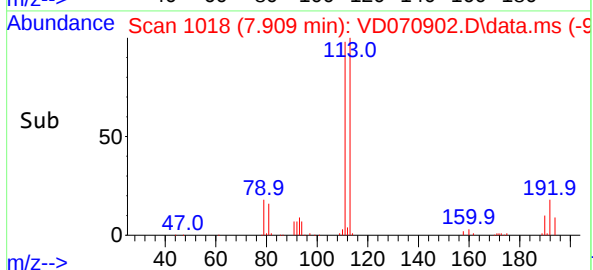
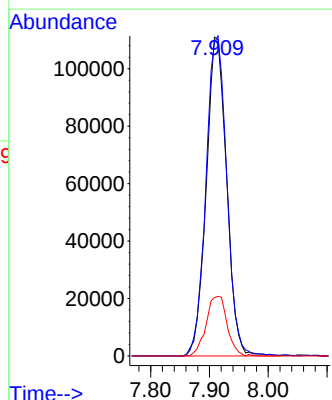
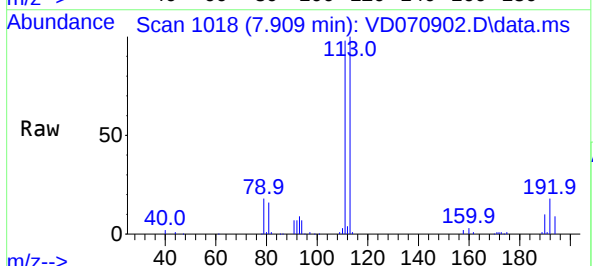
Tgt Ion:113 Resp: 267178

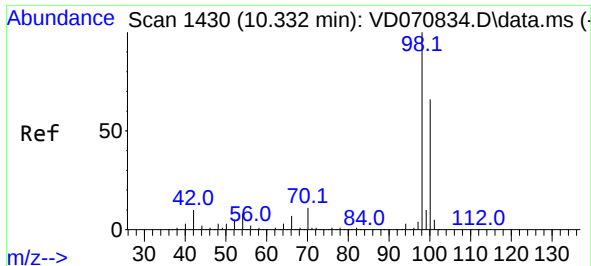
Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

192 19.2 15.2 22.8

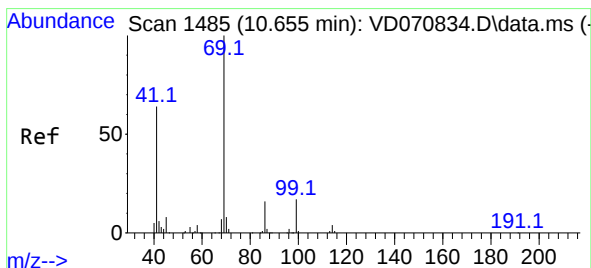
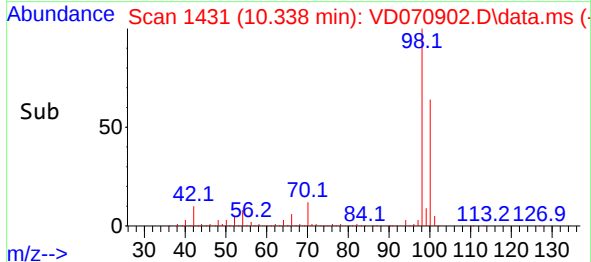
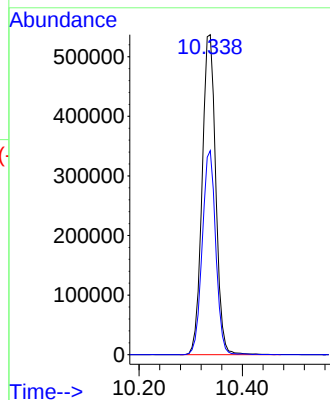
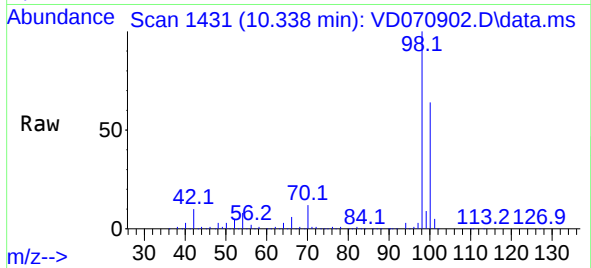




#50
Toluene-d8
Concen: 49.553 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD070902.D
Acq: 03 Nov 2021 11:05

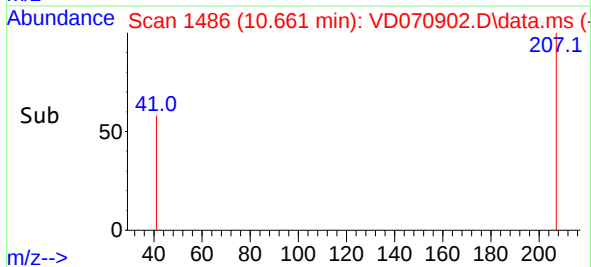
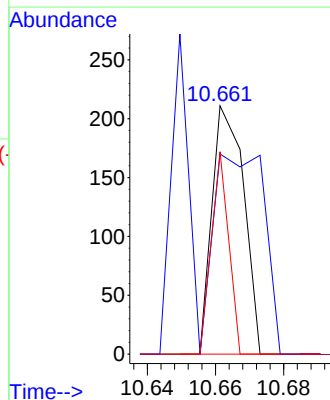
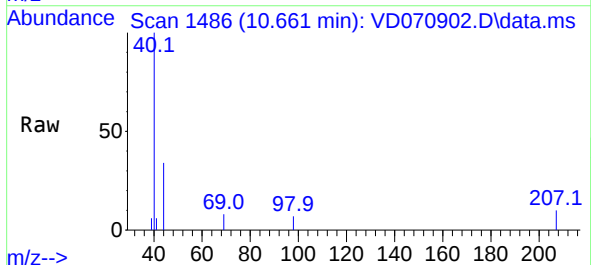
Instrument :
MSVOA_D
ClientSampleId :

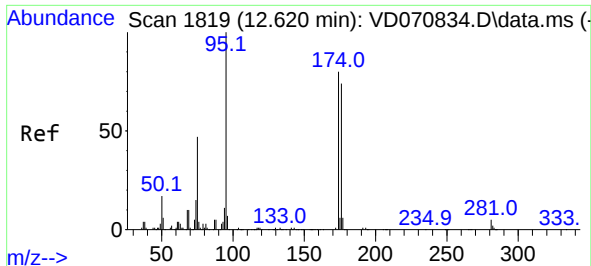
Tgt Ion: 98 Resp: 980342
Ion Ratio Lower Upper
98 100
100 63.0 51.8 77.6



#56
Ethyl methacrylate
Concen: 2.865 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD070902.D
Acq: 03 Nov 2021 11:05

Tgt Ion: 69 Resp: 136
Ion Ratio Lower Upper
69 100
41 129.4 50.2 75.2#
39 44.9 19.8 29.8#

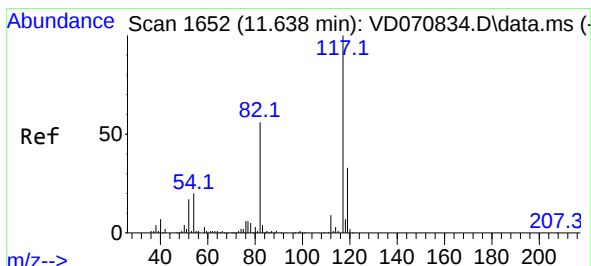
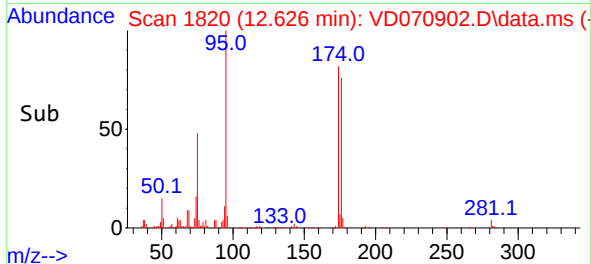
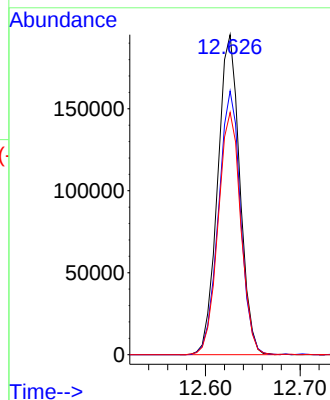
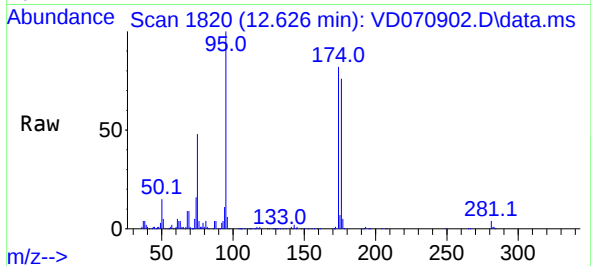




#62
4-Bromofluorobenzene
Concen: 48.481 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD070902.D
Acq: 03 Nov 2021 11:05

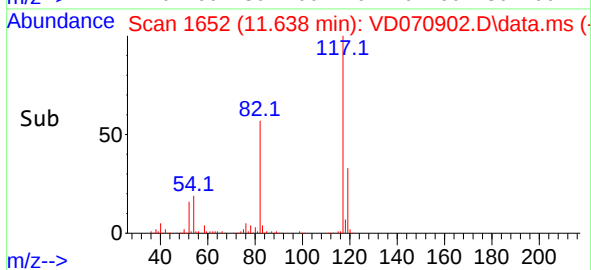
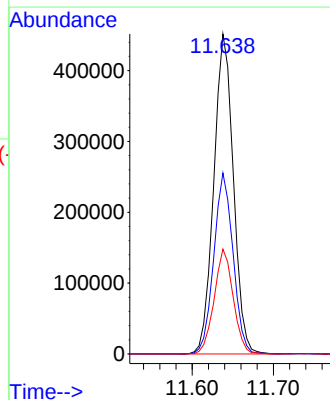
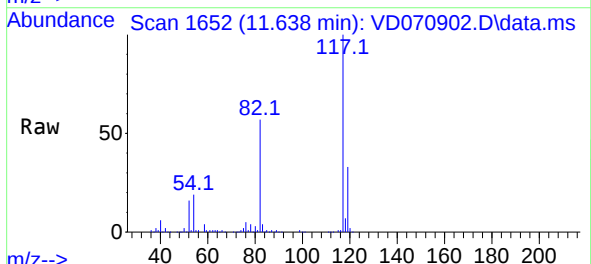
Instrument :
MSVOA_D
ClientSampleId :

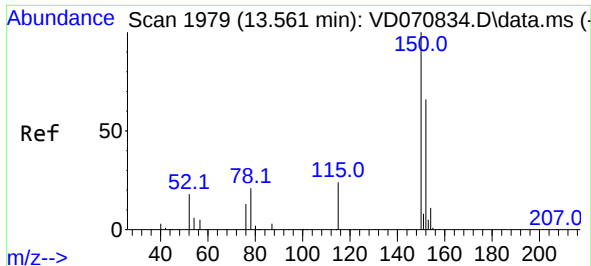
Tgt Ion: 95 Resp: 316463
Ion Ratio Lower Upper
95 100
174 82.3 0.0 159.4
176 77.5 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070902.D
Acq: 03 Nov 2021 11:05

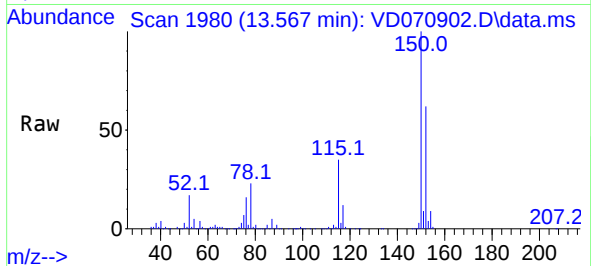
Tgt Ion: 117 Resp: 757979
Ion Ratio Lower Upper
117 100
82 56.5 44.7 67.1
119 32.7 26.2 39.4



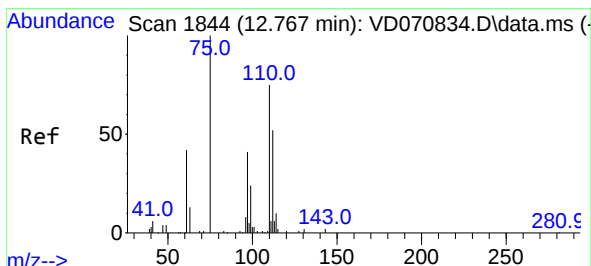
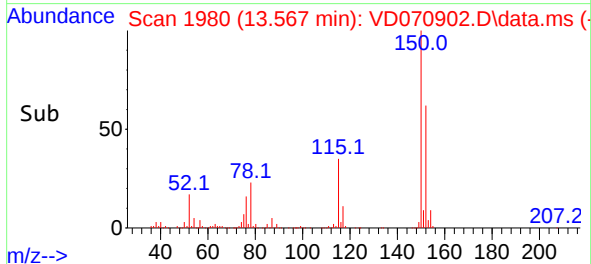
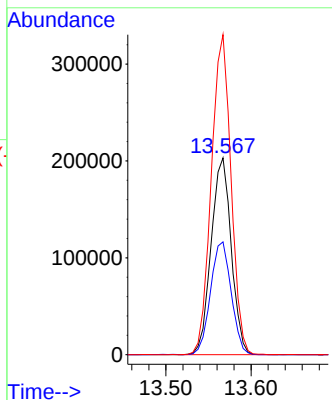


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD070902.D
Acq: 03 Nov 2021 11:05

Instrument :
MSVOA_D
ClientSampleId :

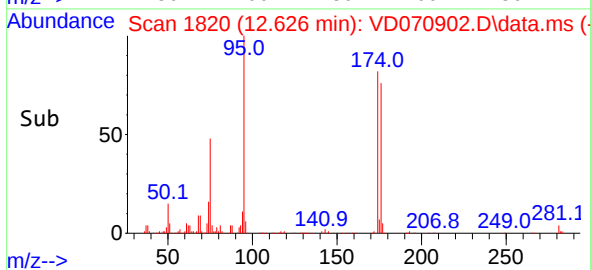
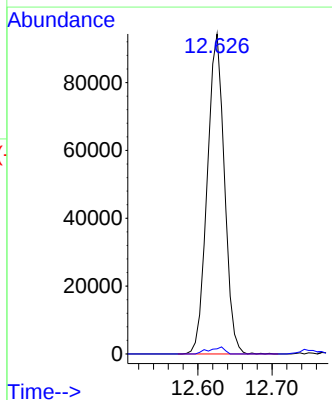
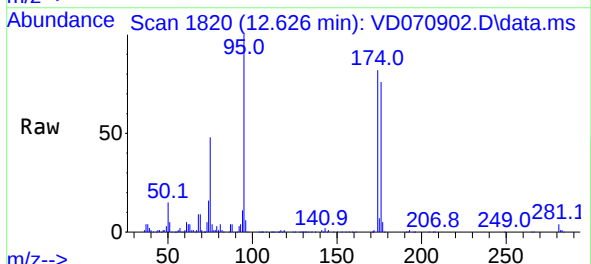


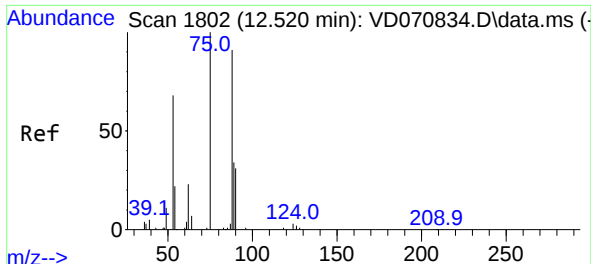
Tgt Ion:152 Resp: 332794
Ion Ratio Lower Upper
152 100
115 59.0 29.8 89.3
150 159.5 0.0 349.2



#76
1,2,3-Trichloropropane
Concen: 46.173 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.141 min
Lab File: VD070902.D
Acq: 03 Nov 2021 11:05

Tgt Ion: 75 Resp: 151265
Ion Ratio Lower Upper
75 100
77 2.0 158.4 475.3#

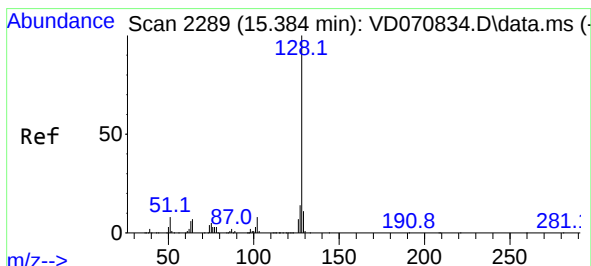
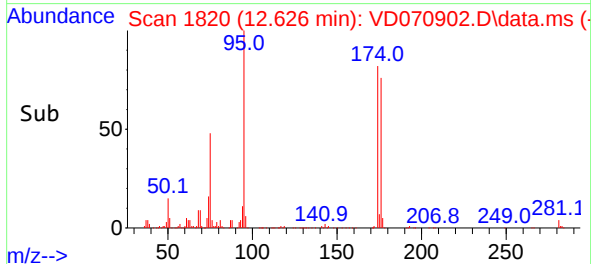
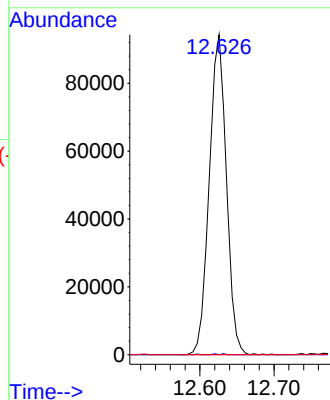
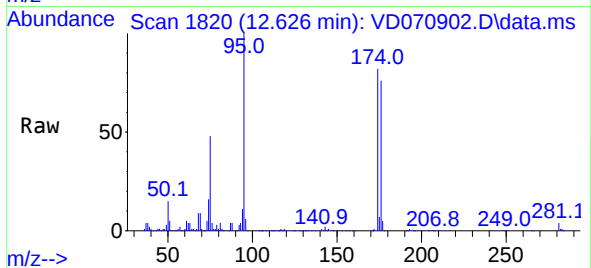




#81
trans-1,4-Dichloro-2-butene
Concen: 121.187 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD070902.D
Acq: 03 Nov 2021 11:05

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 151265
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.441 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070902.D
Acq: 03 Nov 2021 11:05

Tgt Ion:128 Resp: 3605
Ion Ratio Lower Upper
128 100
127 8.2 10.7 16.1#
129 2.0 8.7 13.1#

