

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102821\
 Data File : VD070894.D
 Acq On : 28 Oct 2021 15:55
 Operator : VA/SY
 Sample : M4372-07
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

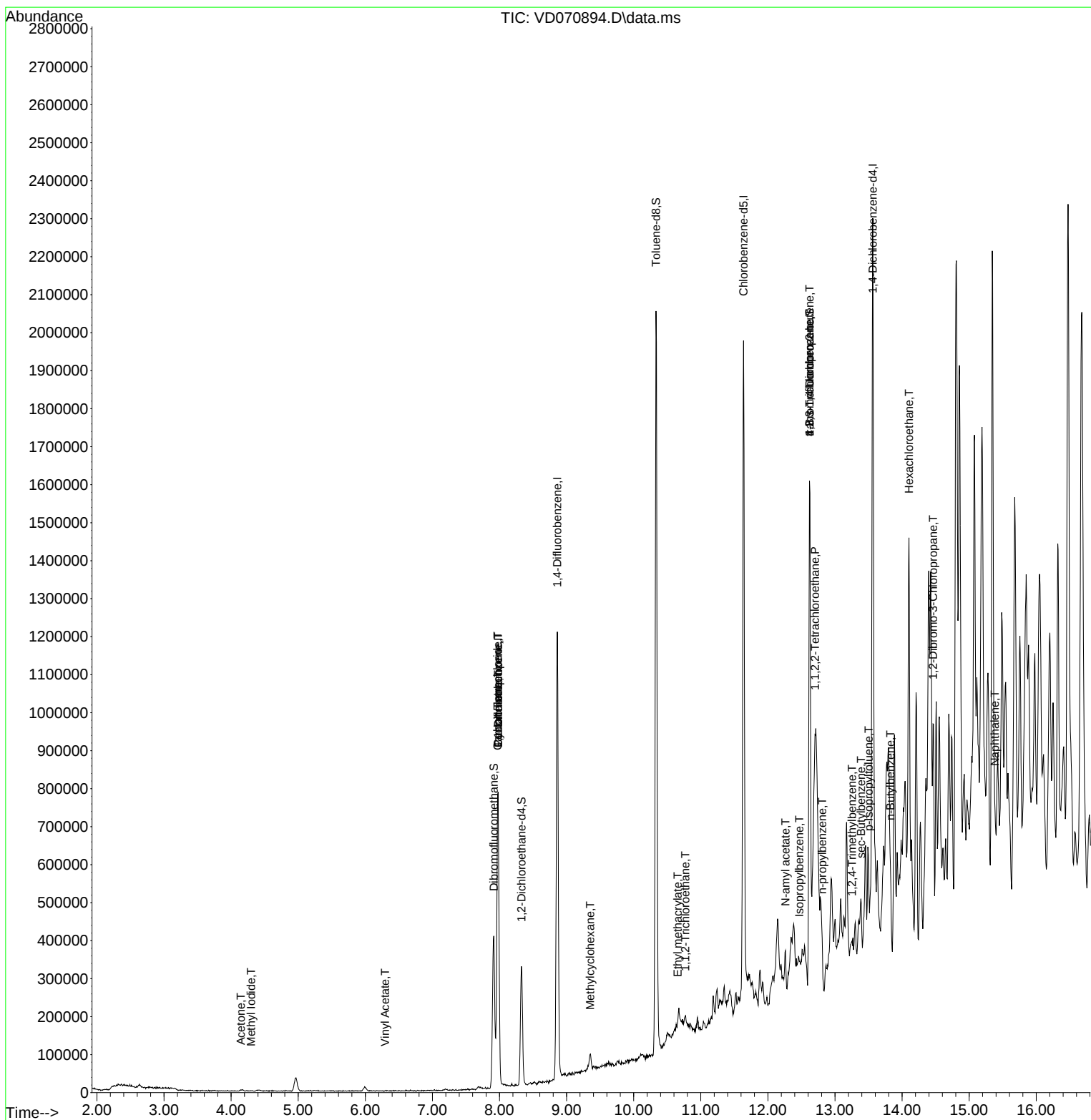
Quant Time: Oct 29 06:35:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

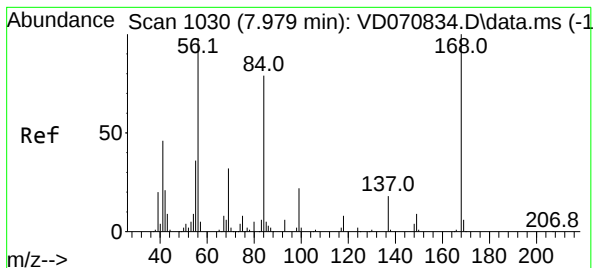
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	608834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1043053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1044895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	494349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	245933	40.163	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.320%
35) Dibromofluoromethane	7.914	113	300785	43.736	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.480%
50) Toluene-d8	10.332	98	1380824	53.368	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.740%
62) 4-Bromofluorobenzene	12.620	95	496443	58.152	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	116.300%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1537	Below Cal	#	49
10) Methyl Iodide	4.297	142	483	3.671	ug/l #	71
16) Acetone	4.144	43	5460	3.833	ug/l #	82
20) Methylene Chloride	4.968	84	29873	Below Cal	#	77
23) Vinyl Acetate	6.297	43	148	14.429	ug/l #	72
31) Cyclohexane	7.979	56	13049	1.046	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	45701	4.188	ug/l #	53
38) Carbon Tetrachloride	7.973	117	57796	5.267	ug/l #	17
39) Methylcyclohexane	9.350	83	17719	1.411	ug/l	87
55) 1,1,2-Trichloroethane	10.767	97	14928	2.552	ug/l #	32
56) Ethyl methacrylate	10.655	69	2116	3.120	ug/l #	89
73) Isopropylbenzene	12.467	105	37191	1.128	ug/l	83
74) N-amyl acetate	12.261	43	23509	3.242	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.702	83	221776	32.961	ug/l #	29
76) 1,2,3-Trichloropropane	12.620	75	218182	44.834	ug/l #	1
78) n-propylbenzene	12.808	91	76920	1.817	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.620	75	218182	117.674	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.255	105	46839	1.698	ug/l	97
85) sec-Butylbenzene	13.391	105	74143	2.014	ug/l #	65
86) p-Isopropyltoluene	13.502	119	45422	1.534	ug/l	100
89) n-Butylbenzene	13.826	91	96692	3.333	ug/l #	78
90) Hexachloroethane	14.102	117	42004	6.321	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.461	75	2842	2.899	ug/l #	14
95) Naphthalene	15.385	128	89468	9.411	ug/l #	69

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

Quant Time: Oct 29 06:35:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
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Response via : Initial Calibration

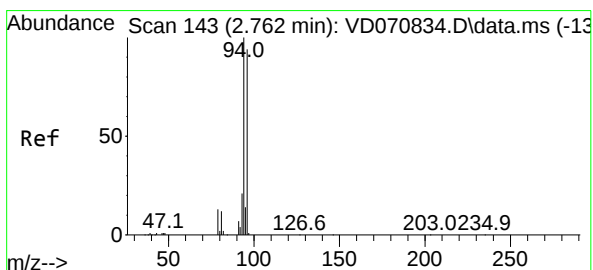
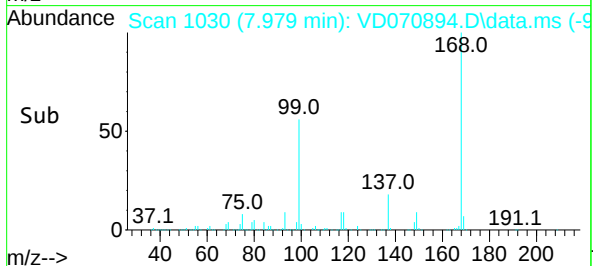
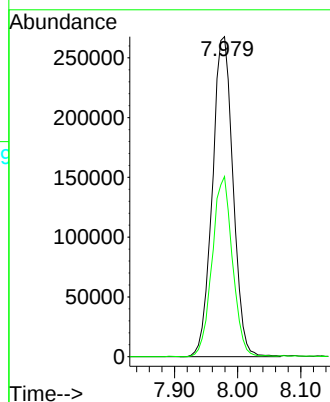
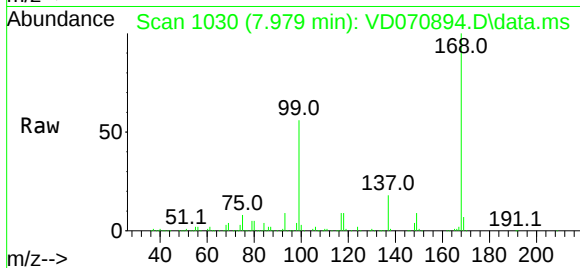




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

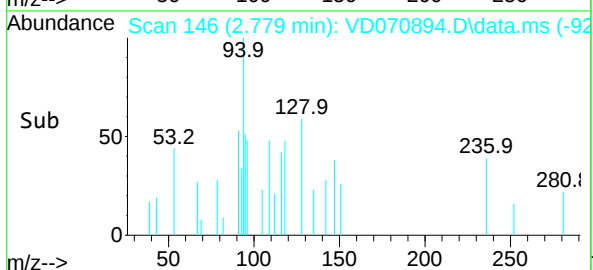
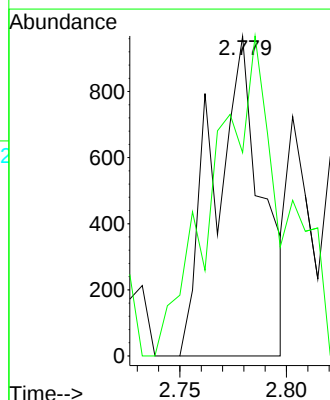
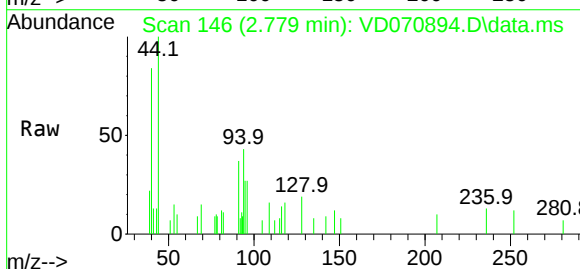
Instrument :
MSVOA_D
ClientSampled :

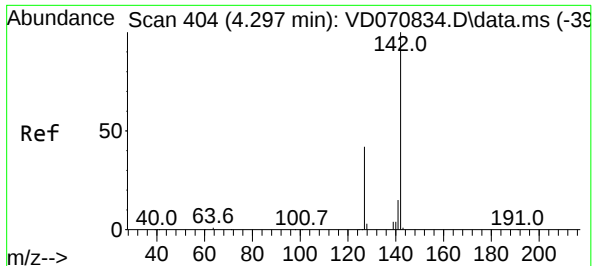
Tgt Ion:168 Resp: 608834
Ion Ratio Lower Upper
168 100
99 56.3 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Tgt Ion: 94 Resp: 1537
Ion Ratio Lower Upper
94 100
96 44.6 74.8 112.2#





#10

Methyl Iodide

Concen: 3.671 ug/l

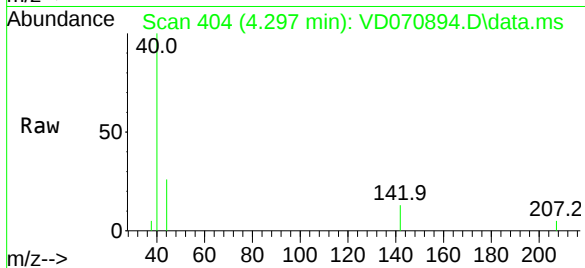
RT: 4.297 min Scan# 404

Delta R.T. -0.000 min

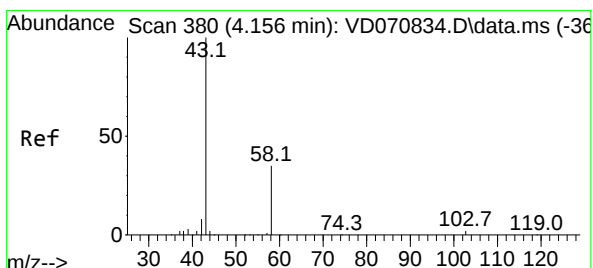
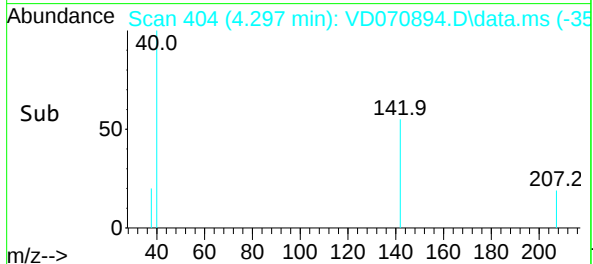
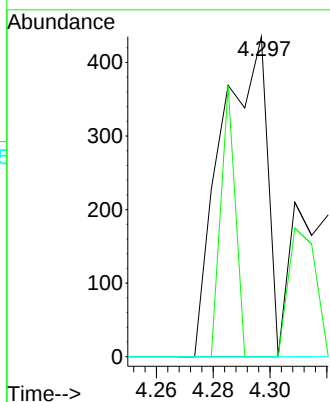
Lab File: VD070894.D

Acq: 28 Oct 2021 15:55

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	142	Resp:	483
Ion	Ratio	Lower	Upper
142	100		
127	26.9	35.0	52.4#
141	0.0	12.0	18.0#



#16

Acetone

Concen: 3.833 ug/l

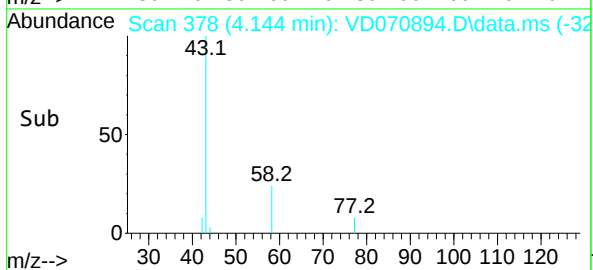
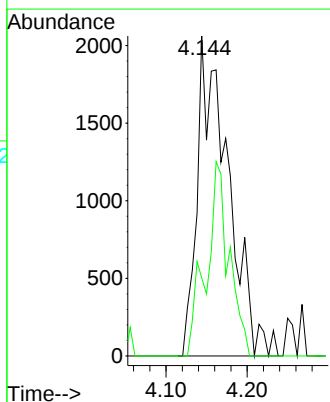
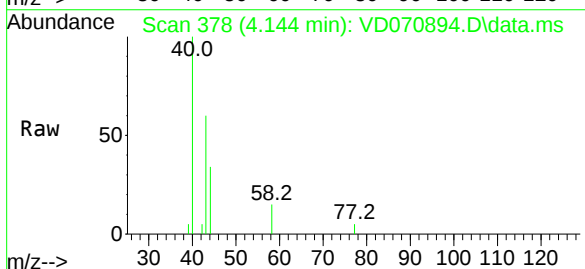
RT: 4.144 min Scan# 378

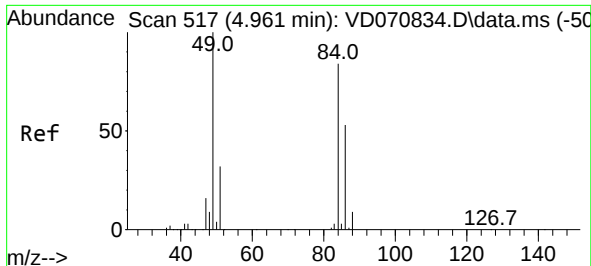
Delta R.T. -0.012 min

Lab File: VD070894.D

Acq: 28 Oct 2021 15:55

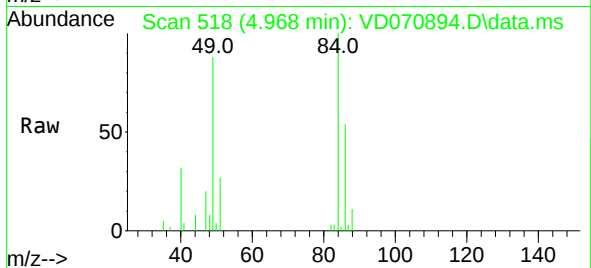
Tgt Ion:	43	Resp:	5460
Ion	Ratio	Lower	Upper
43	100		
58	24.4	27.8	41.8#



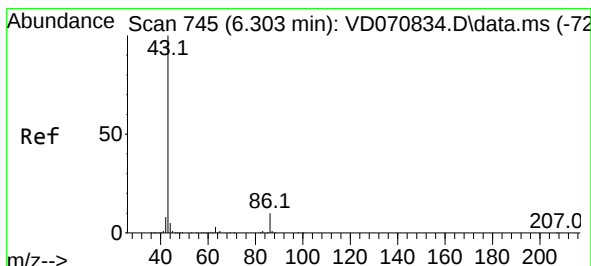
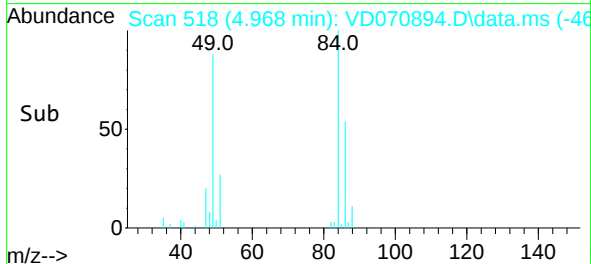
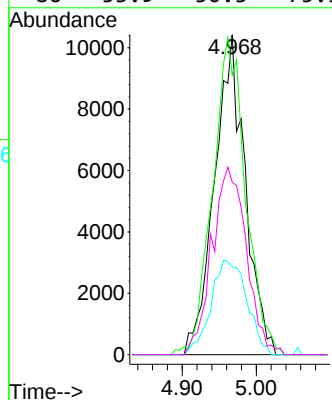


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.007 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Instrument :
MSVOA_D
ClientSampled :

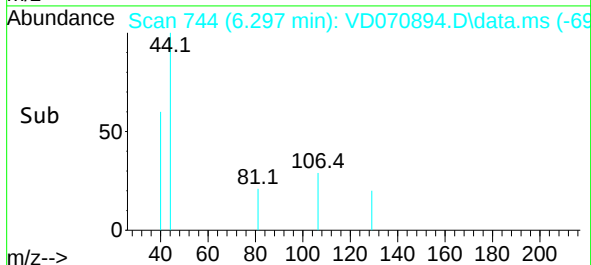
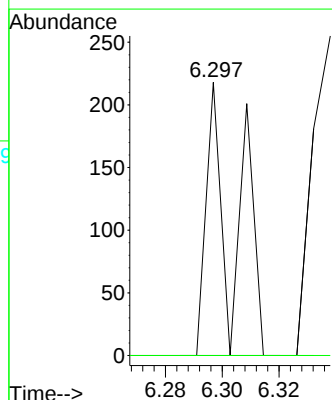
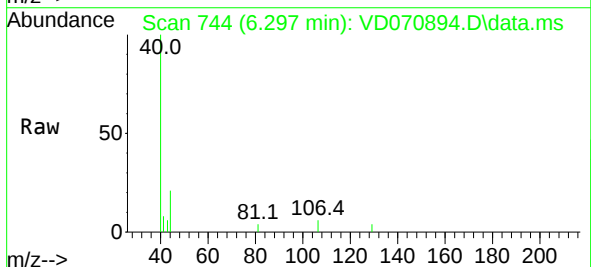


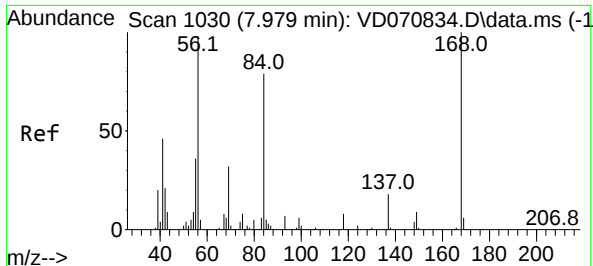
Tgt Ion:	84	Resp:	29873
Ion	Ratio	Lower	Upper
84	100		
49	86.0	95.8	143.6#
51	27.5	30.9	46.3#
86	53.9	50.3	75.5



#23
Vinyl Acetate
Concen: 14.429 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.006 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

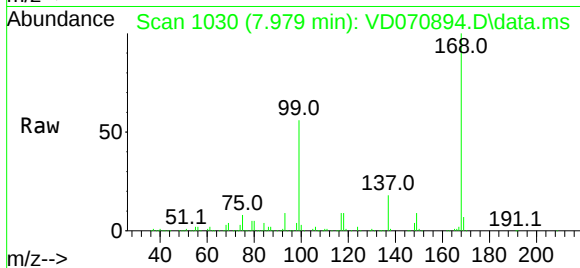
Tgt Ion:	43	Resp:	148
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#



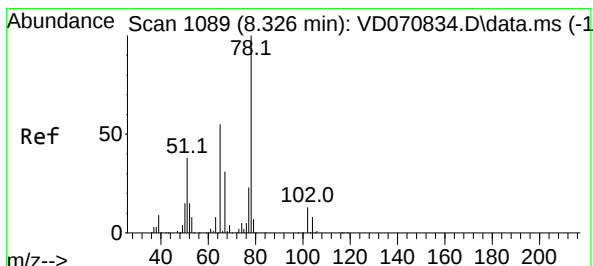
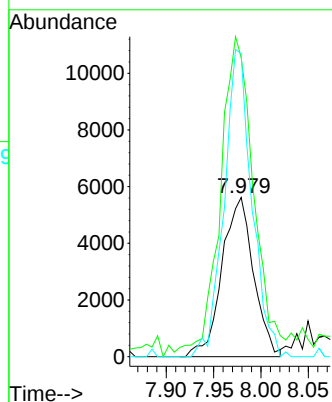
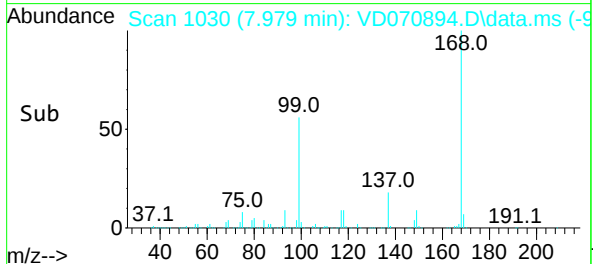


#31
Cyclohexane
Concen: 1.046 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

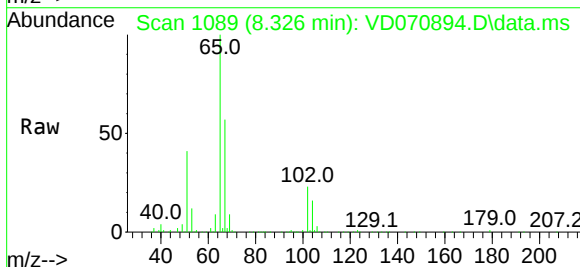
Instrument :
MSVOA_D
ClientSampled :



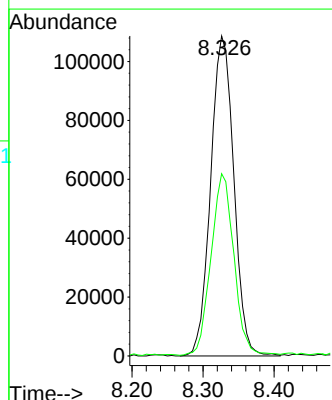
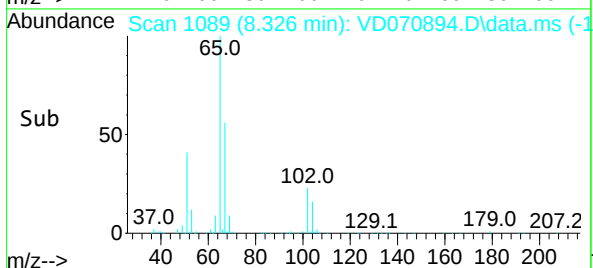
Tgt Ion: 56 Resp: 13049
Ion Ratio Lower Upper
56 100
69 182.1 25.9 38.9#
84 190.3 64.3 96.5#

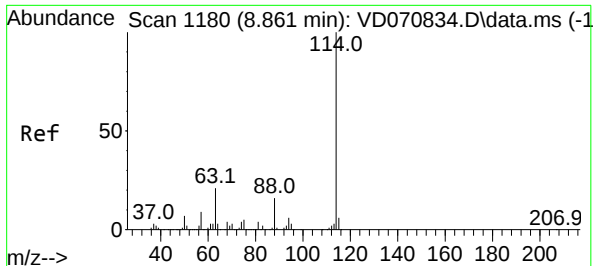


#33
1,2-Dichloroethane-d4
Concen: 40.163 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55



Tgt Ion: 65 Resp: 245933
Ion Ratio Lower Upper
65 100
67 56.0 0.0 112.2



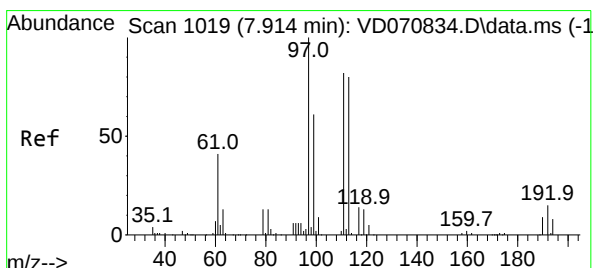
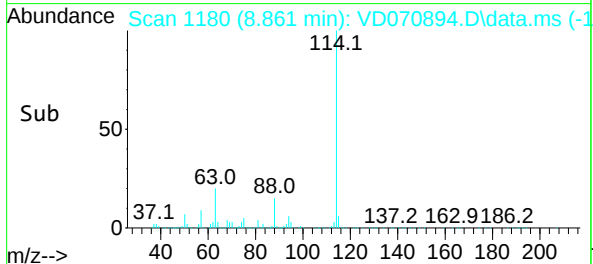
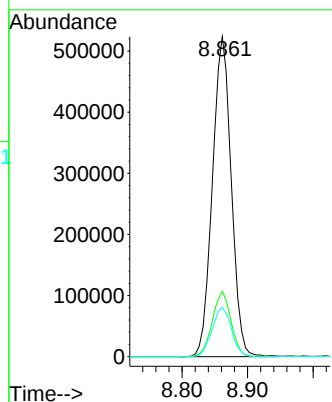
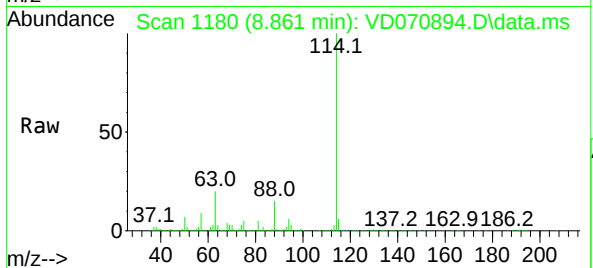


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Instrument :
MSVOA_D
ClientSampled :

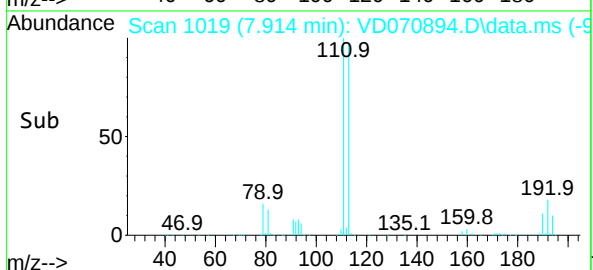
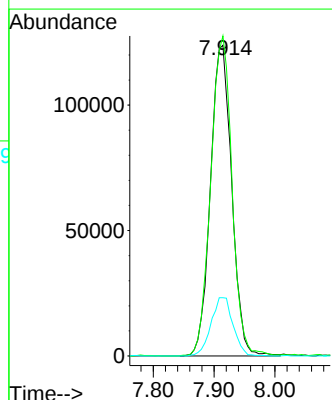
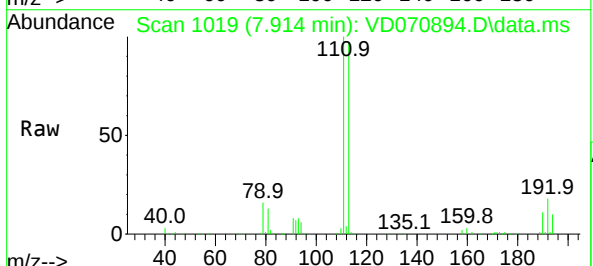
Tgt Ion:114 Resp: 1043053
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.8
88 15.3 0.0 32.8

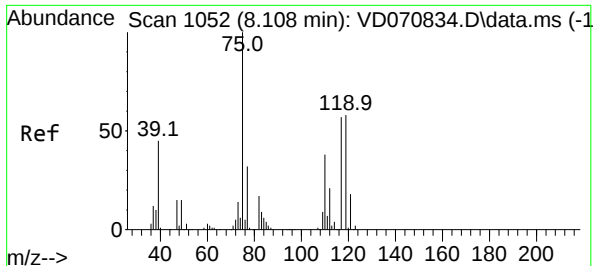


#35

Dibromofluoromethane
Concen: 43.736 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Tgt Ion:113 Resp: 300785
Ion Ratio Lower Upper
113 100
111 102.9 82.0 123.0
192 19.4 15.2 22.8

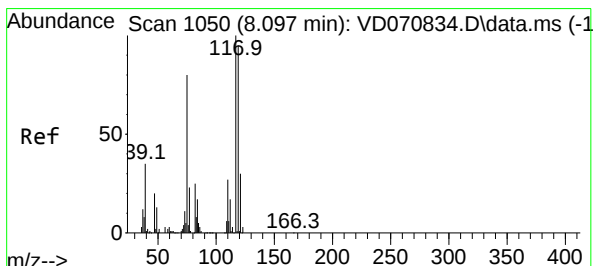
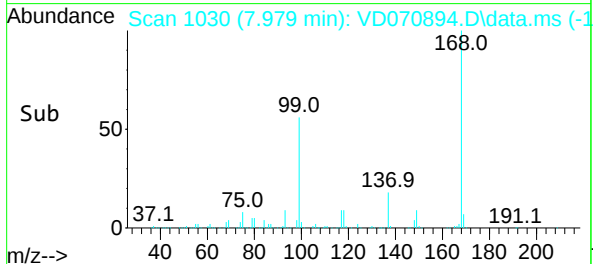
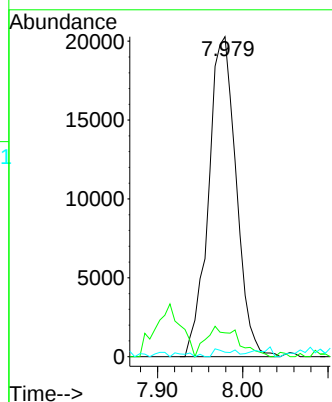
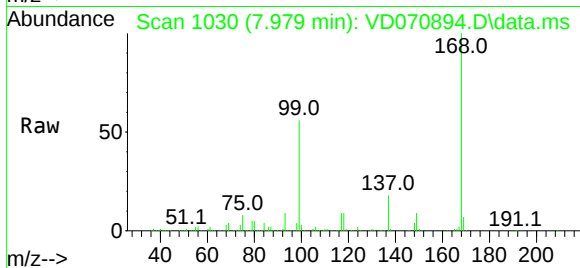




#36
1,1-Dichloropropene
Concen: 4.188 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

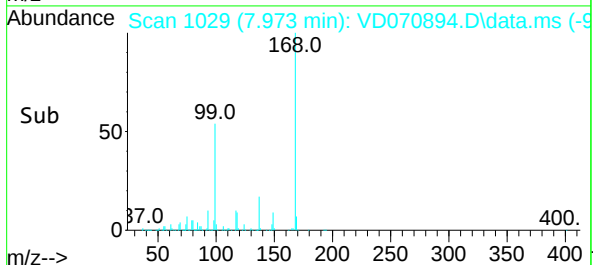
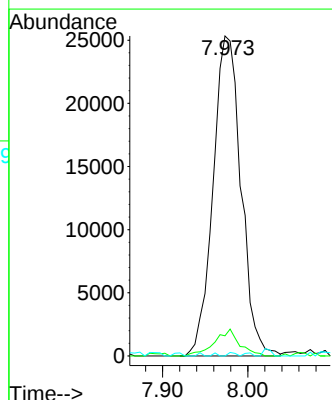
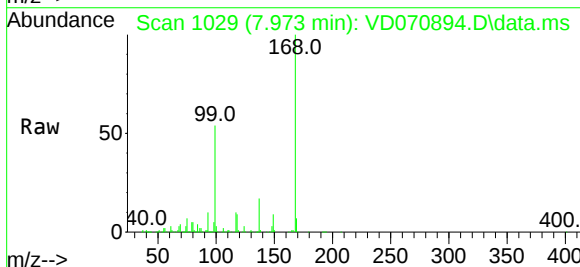
Instrument :
MSVOA_D
ClientSampled :

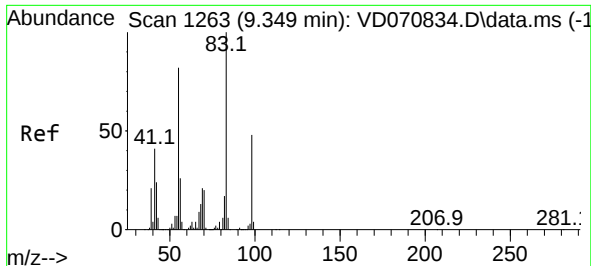
Tgt Ion: 75 Resp: 45701
Ion Ratio Lower Upper
75 100
110 10.9 17.8 53.4#
77 1.6 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.267 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Tgt Ion: 117 Resp: 57796
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.6#
121 0.0 23.6 35.4#

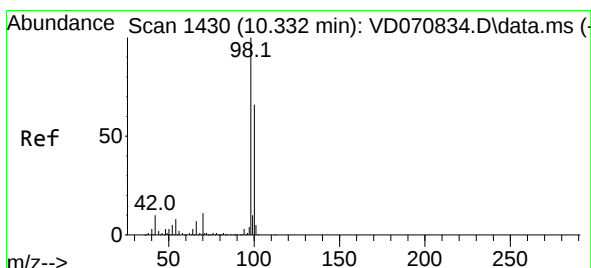
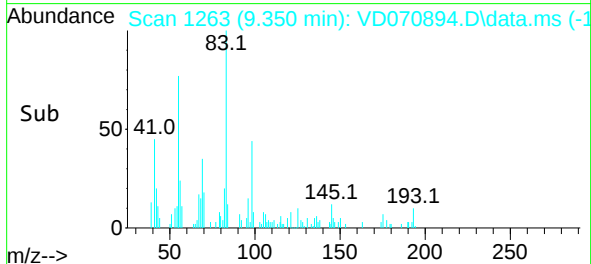
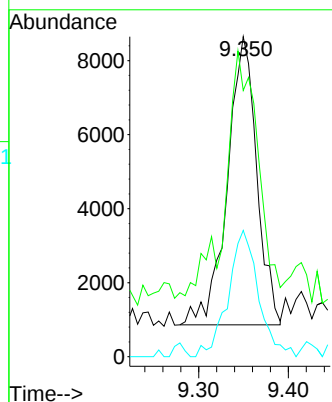
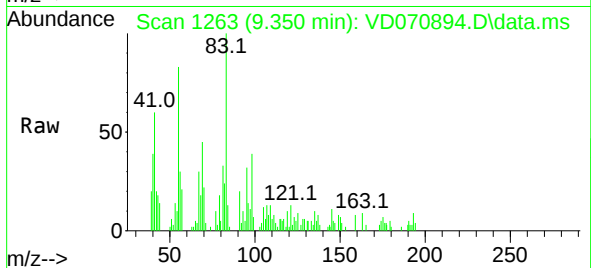




#39
Methylcyclohexane
Concen: 1.411 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

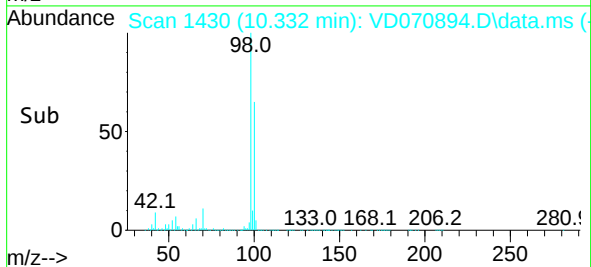
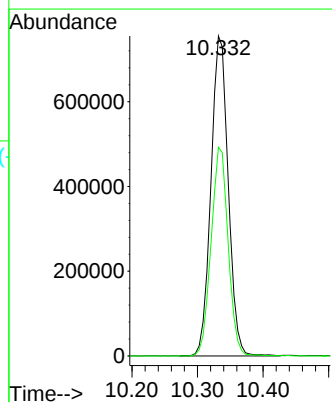
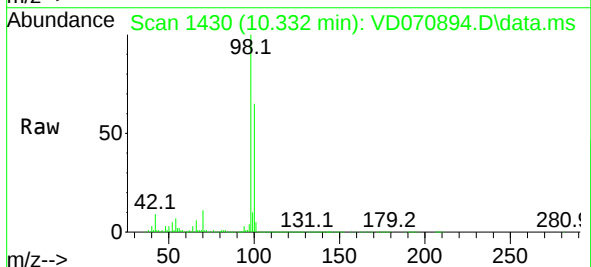
Instrument :
MSVOA_D
ClientSampled :

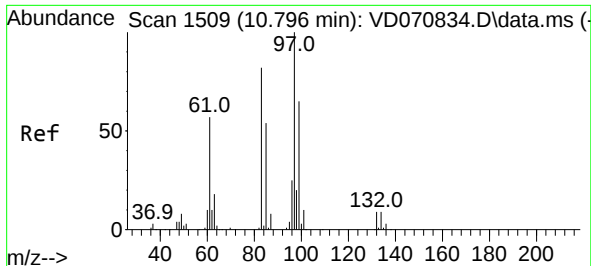
Tgt Ion: 83 Resp: 17719
Ion Ratio Lower Upper
83 100
55 70.2 65.8 98.8
98 39.7 38.7 58.1



#50
Toluene-d8
Concen: 53.368 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Tgt Ion: 98 Resp: 1380824
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6

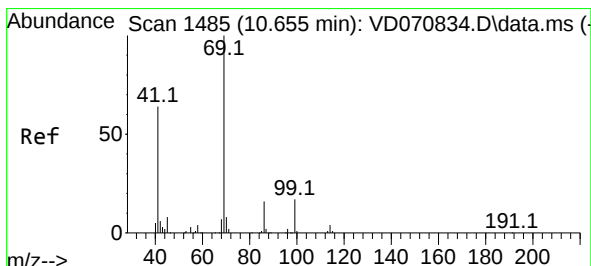
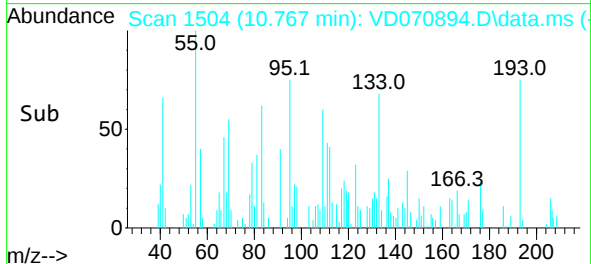
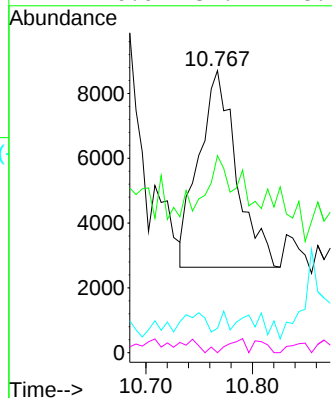
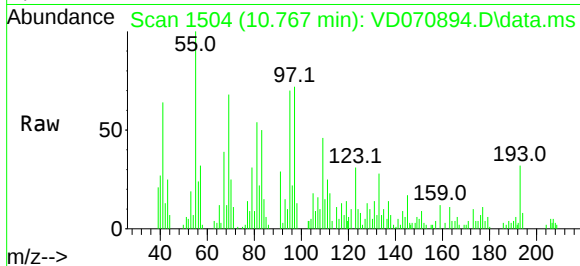




#55
1,1,2-Trichloroethane
Concen: 2.552 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.029 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

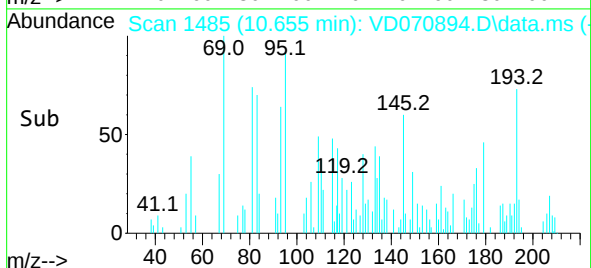
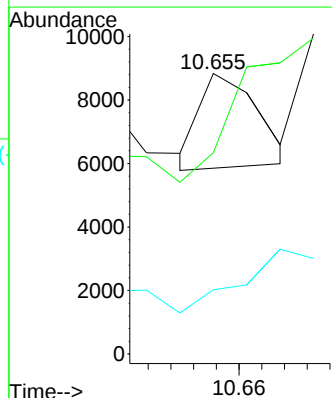
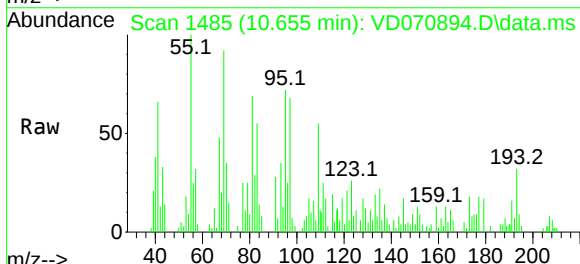
Instrument :
MSVOA_D
ClientSampled :

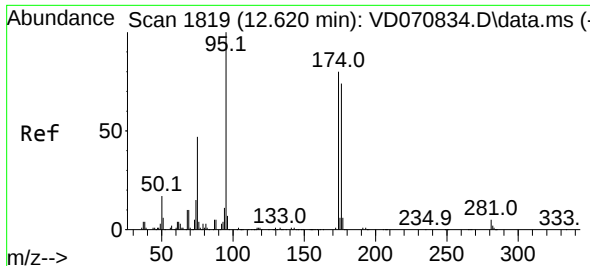
Tgt Ion:	97	Resp:	14928
Ion	Ratio	Lower	Upper
97	100		
83	31.1	65.2	97.8#
85	5.4	43.4	65.0#
99	0.0	52.1	78.1#



#56
Ethyl methacrylate
Concen: 3.120 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Tgt Ion:	69	Resp:	2116
Ion	Ratio	Lower	Upper
69	100		
41	58.1	50.2	75.2
39	36.2	19.8	29.8#

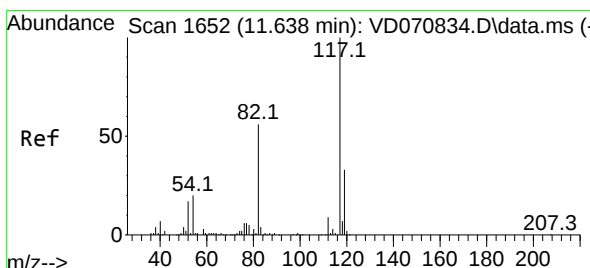
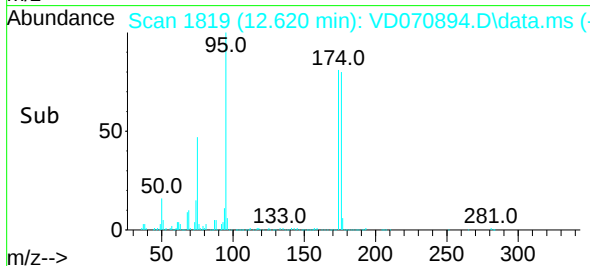
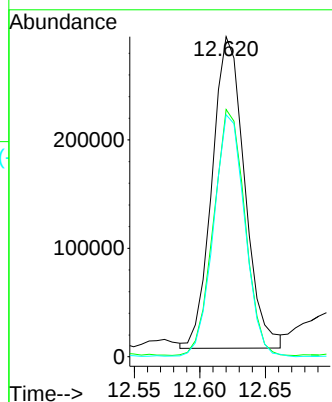
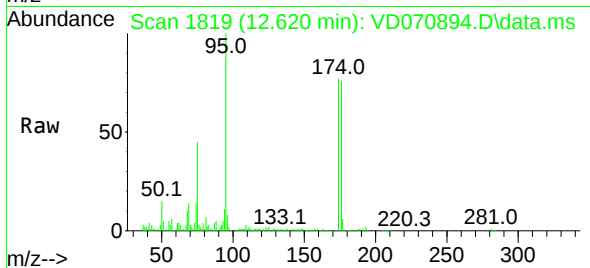




#62
4-Bromofluorobenzene
Concen: 58.152 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

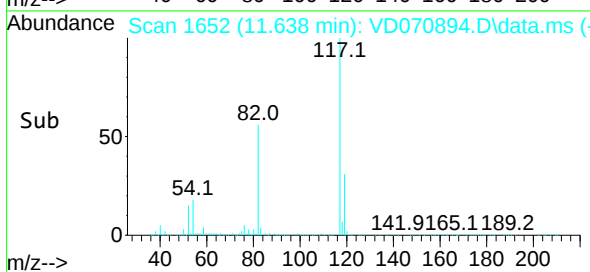
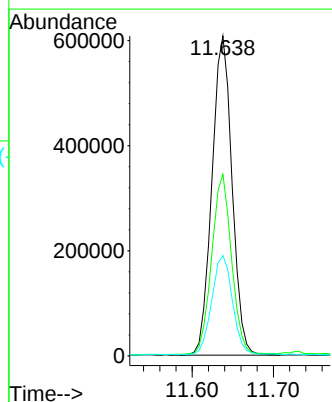
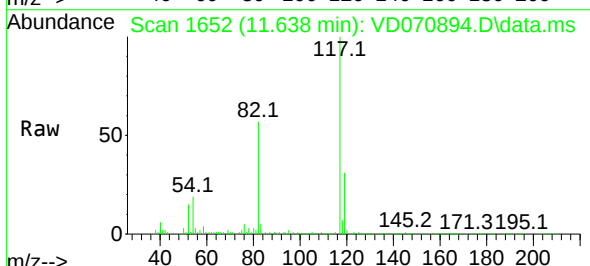
Instrument :
MSVOA_D
ClientSampleId :

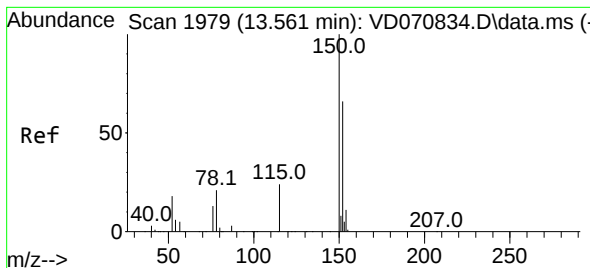
Tgt Ion: 95 Resp: 496443
Ion Ratio Lower Upper
95 100
174 75.9 0.0 159.4
176 74.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Tgt Ion: 117 Resp: 1044895
Ion Ratio Lower Upper
117 100
82 56.4 44.7 67.1
119 31.0 26.2 39.4

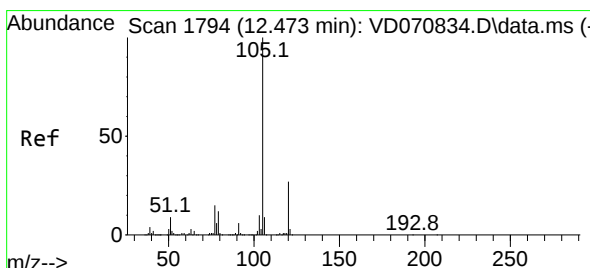
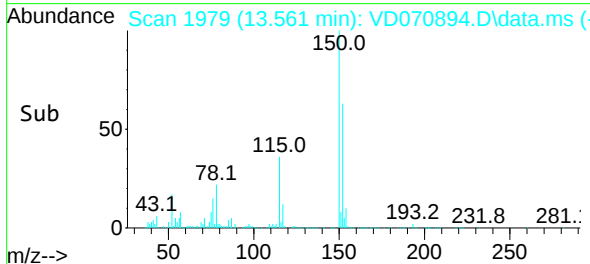
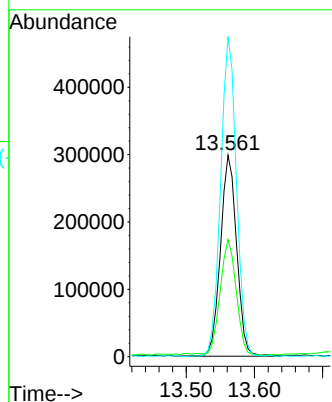
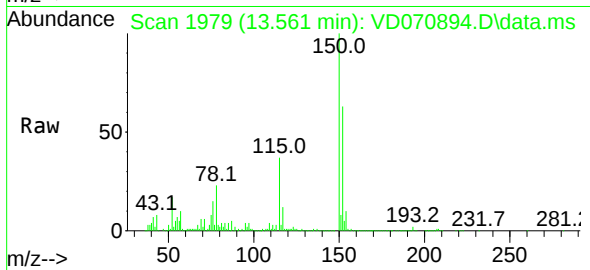




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

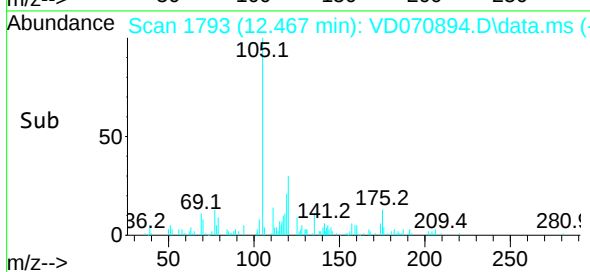
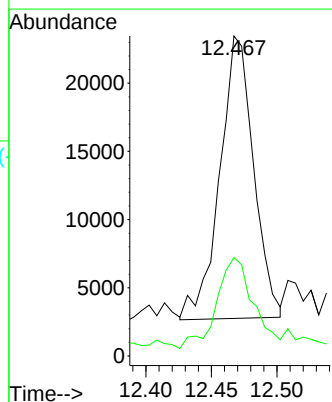
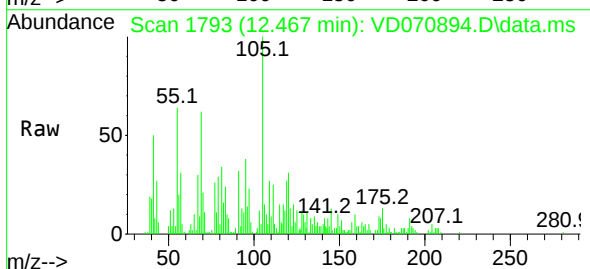
Instrument :
MSVOA_D
ClientSampled :

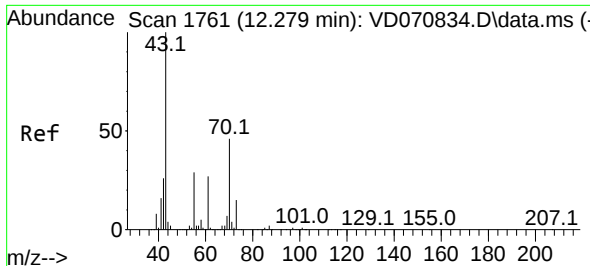
Tgt Ion:152 Resp: 494349
Ion Ratio Lower Upper
152 100
115 57.0 29.8 89.3
150 155.5 0.0 349.2



#73
Isopropylbenzene
Concen: 1.128 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Tgt Ion:105 Resp: 37191
Ion Ratio Lower Upper
105 100
120 34.9 13.2 39.5

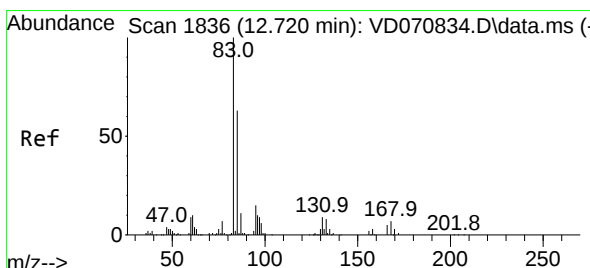
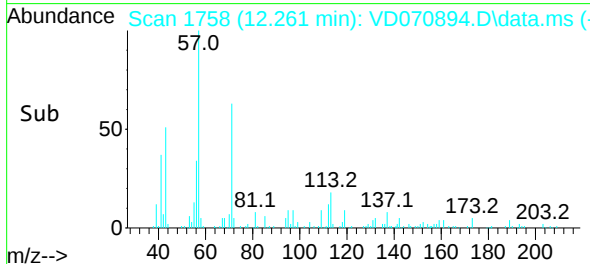
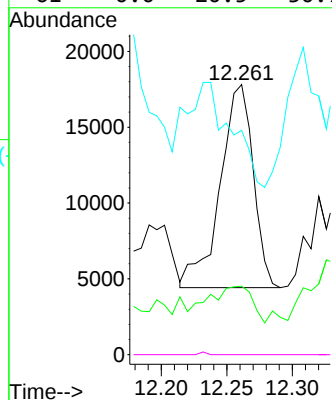
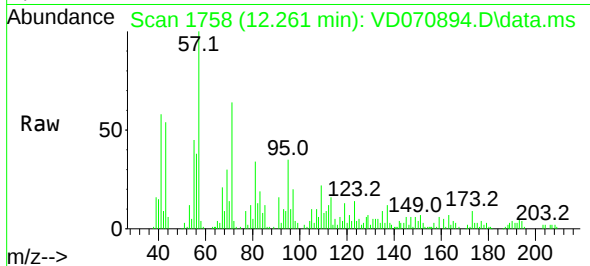




#74
N-amy1 acetate
Concen: 3.242 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.017 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

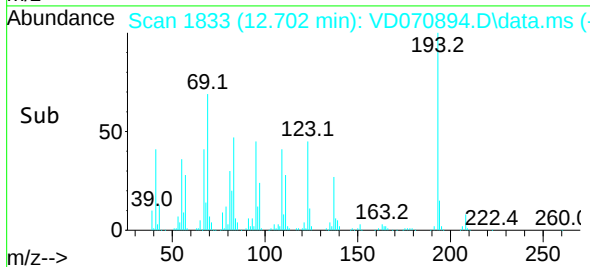
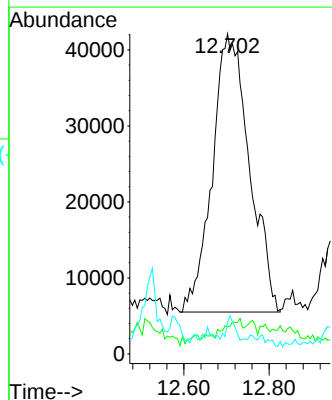
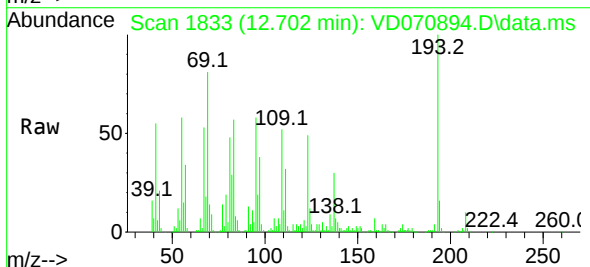
Instrument :
MSVOA_D
ClientSampled :

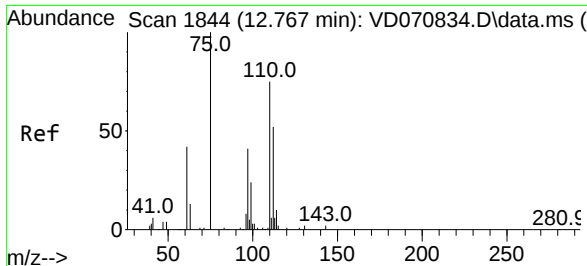
Tgt Ion:	43	Resp:	23509
Ion Ratio	Lower	Upper	
43	100		
70	24.0	36.6	55.0#
55	0.0	22.5	33.7#
61	0.0	20.5	30.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 32.961 ug/l
RT: 12.702 min Scan# 1833
Delta R.T. -0.017 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Tgt Ion:	83	Resp:	221776
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.9	14.7#
85	2.8	32.0	96.2#

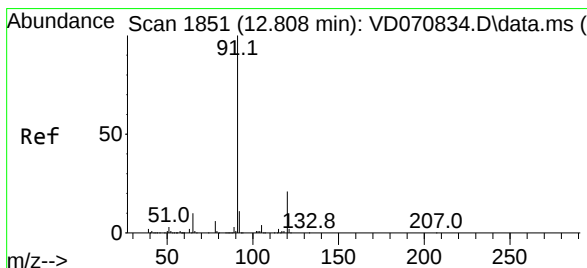
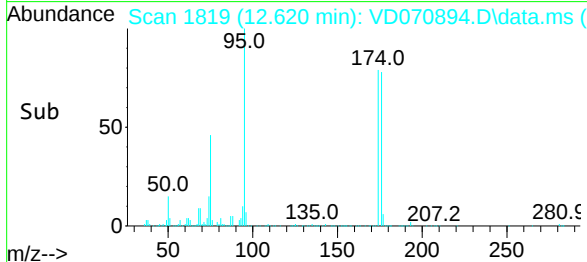
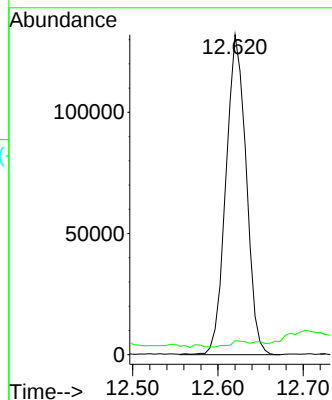
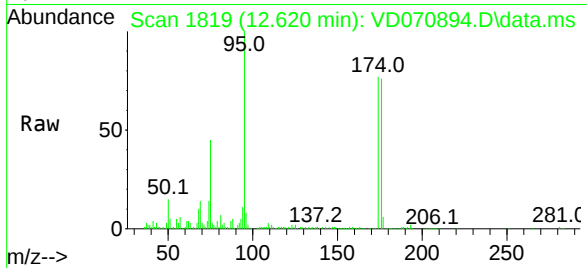




#76
1,2,3-Trichloropropane
Concen: 44.834 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

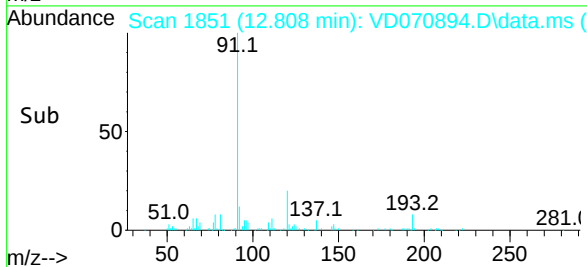
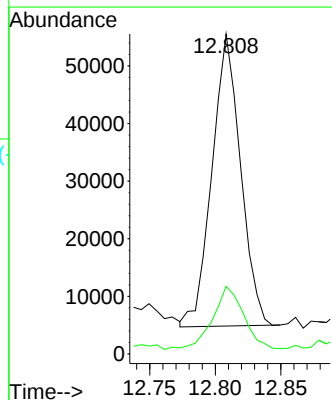
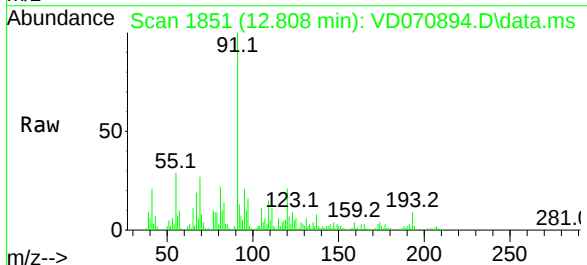
Instrument :
MSVOA_D
ClientSampleId :

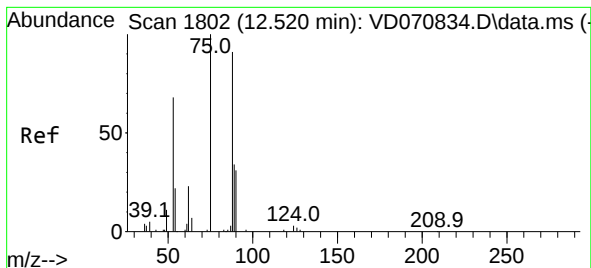
Tgt Ion: 75 Resp: 218182
Ion Ratio Lower Upper
75 100
77 1.7 158.4 475.3#



#78
n-propylbenzene
Concen: 1.817 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Tgt Ion: 91 Resp: 76920
Ion Ratio Lower Upper
91 100
120 22.6 10.9 32.9

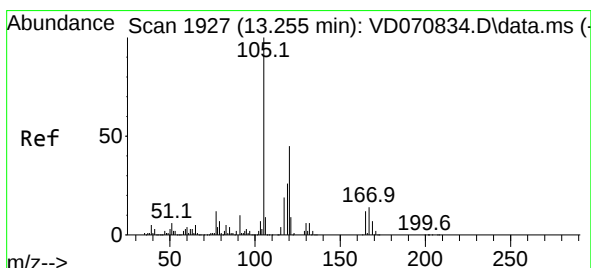
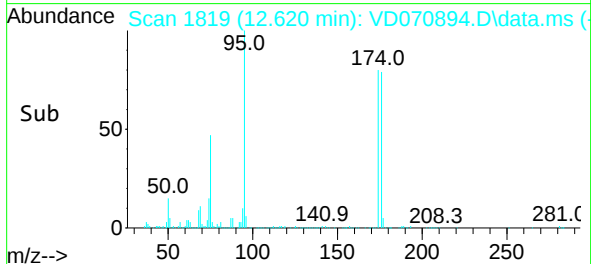
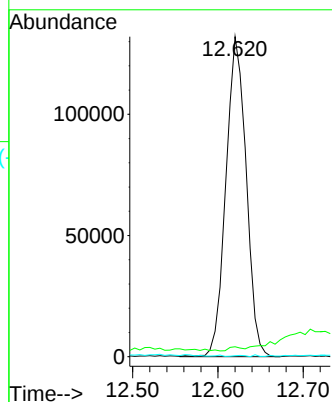
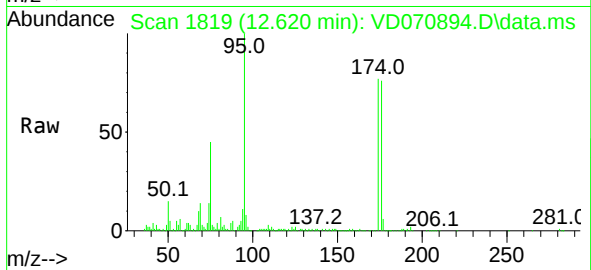




#81
trans-1,4-Dichloro-2-butene
Concen: 117.674 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

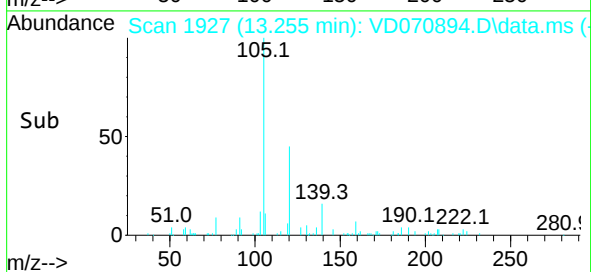
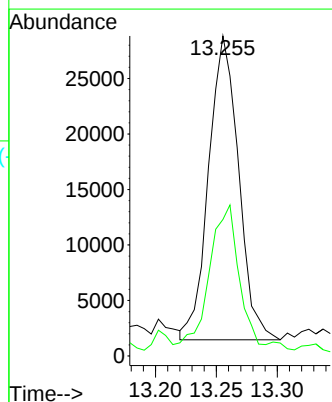
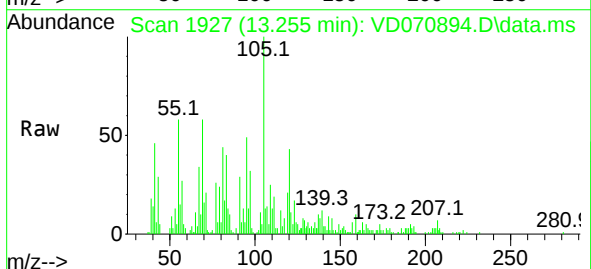
Instrument :
MSVOA_D
ClientSampled :

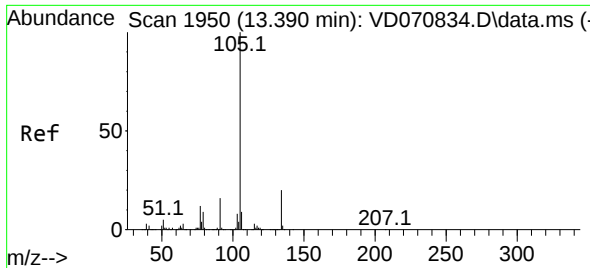
Tgt Ion: 75 Resp: 218182
Ion Ratio Lower Upper
75 100
53 0.9 62.6 94.0#
89 0.2 34.5 51.7#



#84
1,2,4-Trimethylbenzene
Concen: 1.698 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Tgt Ion:105 Resp: 46839
Ion Ratio Lower Upper
105 100
120 47.9 22.9 68.7

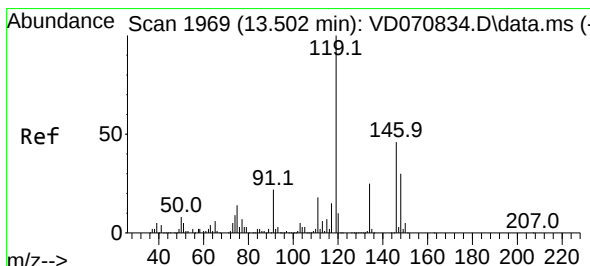
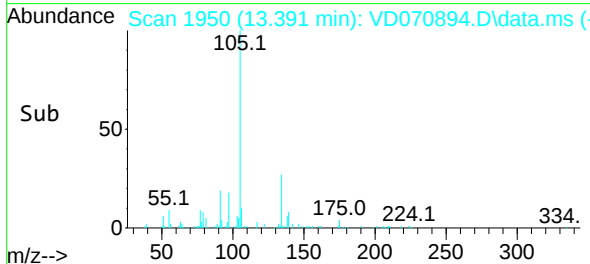
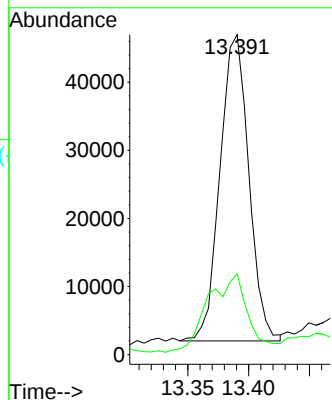
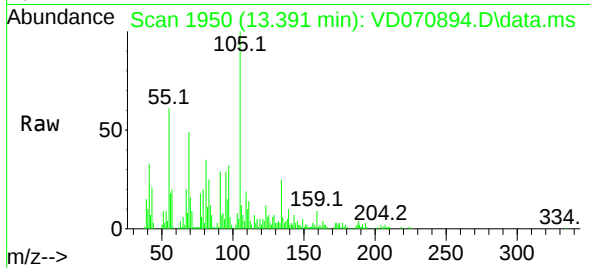




#85
 sec-Butylbenzene
 Concen: 2.014 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. 0.000 min
 Lab File: VD070894.D
 Acq: 28 Oct 2021 15:55

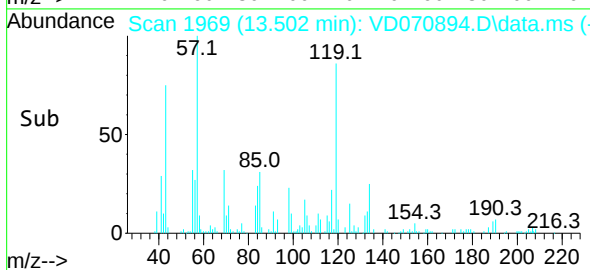
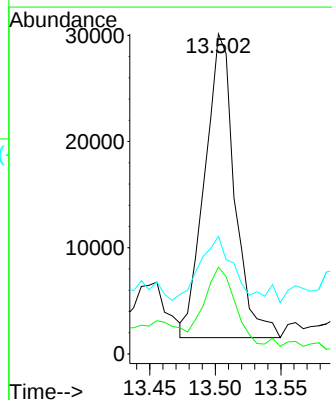
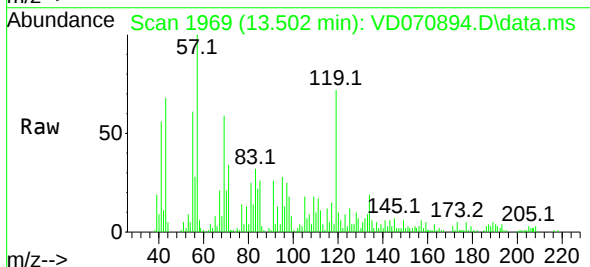
Instrument :
 MSVOA_D
 ClientSampleId :

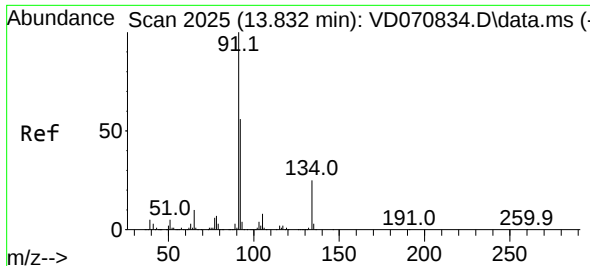
Tgt Ion:105 Resp: 74143
 Ion Ratio Lower Upper
 105 100
 134 35.2 9.7 28.9#



#86
 p-Isopropyltoluene
 Concen: 1.534 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD070894.D
 Acq: 28 Oct 2021 15:55

Tgt Ion:119 Resp: 45422
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 23.2 11.4 34.2

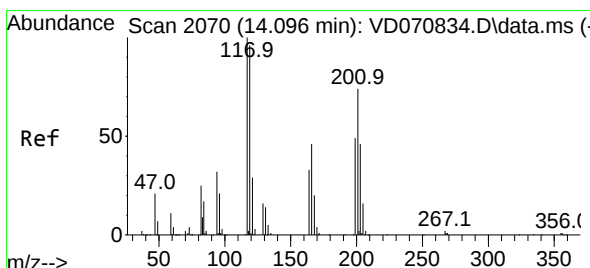
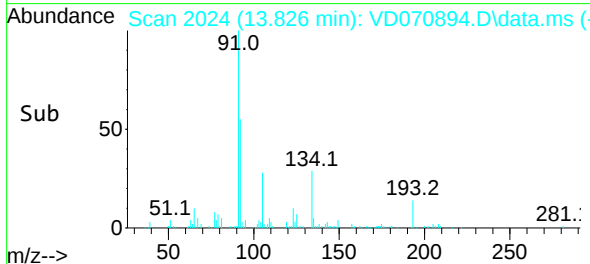
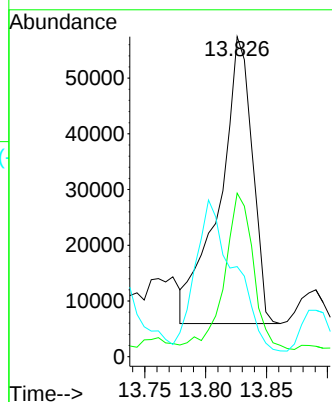
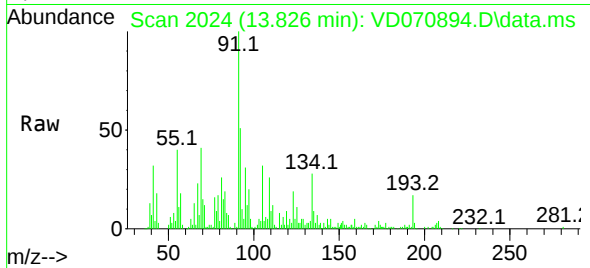




#89
n-Butylbenzene
Concen: 3.333 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.006 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

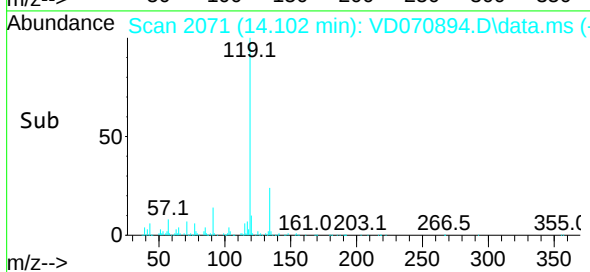
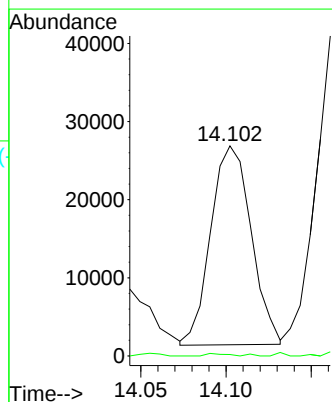
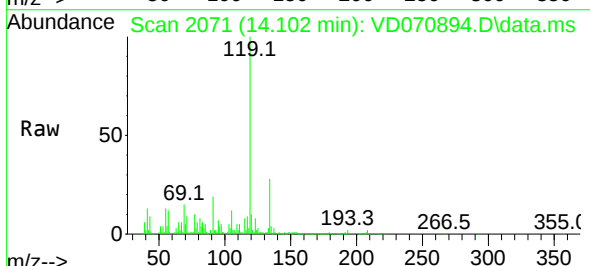
Instrument :
MSVOA_D
ClientSampled :

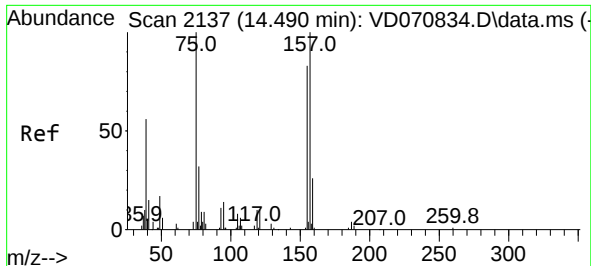
Tgt Ion: 91 Resp: 96692
Ion Ratio Lower Upper
91 100
92 47.8 27.3 81.9
134 0.0 12.3 36.9#



#90
Hexachloroethane
Concen: 6.321 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. 0.006 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Tgt Ion: 117 Resp: 42004
Ion Ratio Lower Upper
117 100
201 0.6 36.0 108.1#

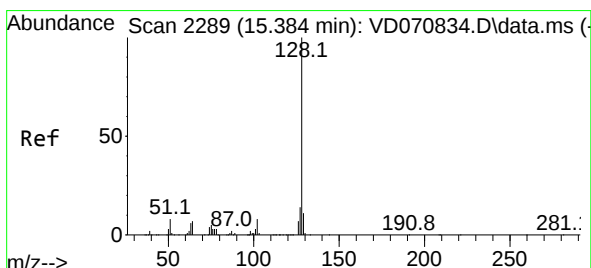
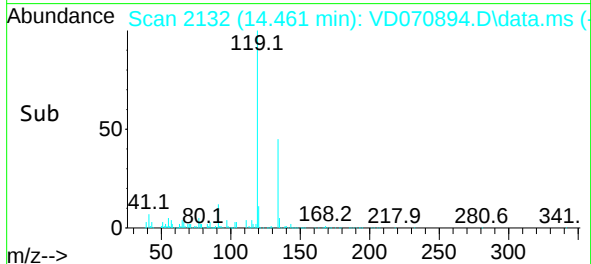
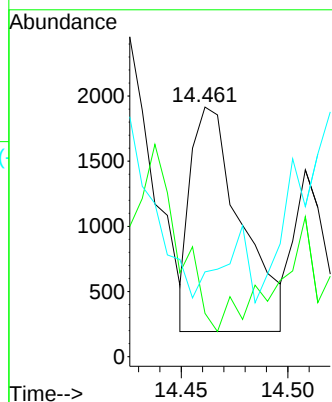
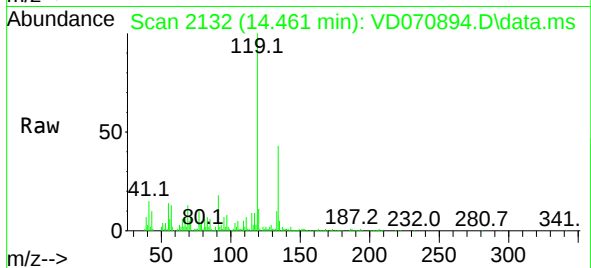




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.899 ug/l
RT: 14.461 min Scan# 2132
Delta R.T. -0.029 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 2842
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 17.2 49.8 149.3#



#95
Naphthalene
Concen: 9.411 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070894.D
Acq: 28 Oct 2021 15:55

Tgt Ion:128 Resp: 89468
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

