

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
 Data File : VD070770.D
 Acq On : 20 Oct 2021 12:33
 Operator : VA/SY
 Sample : M4274-07
 Misc : 5.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-2-DS

Quant Time: Oct 21 05:37:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

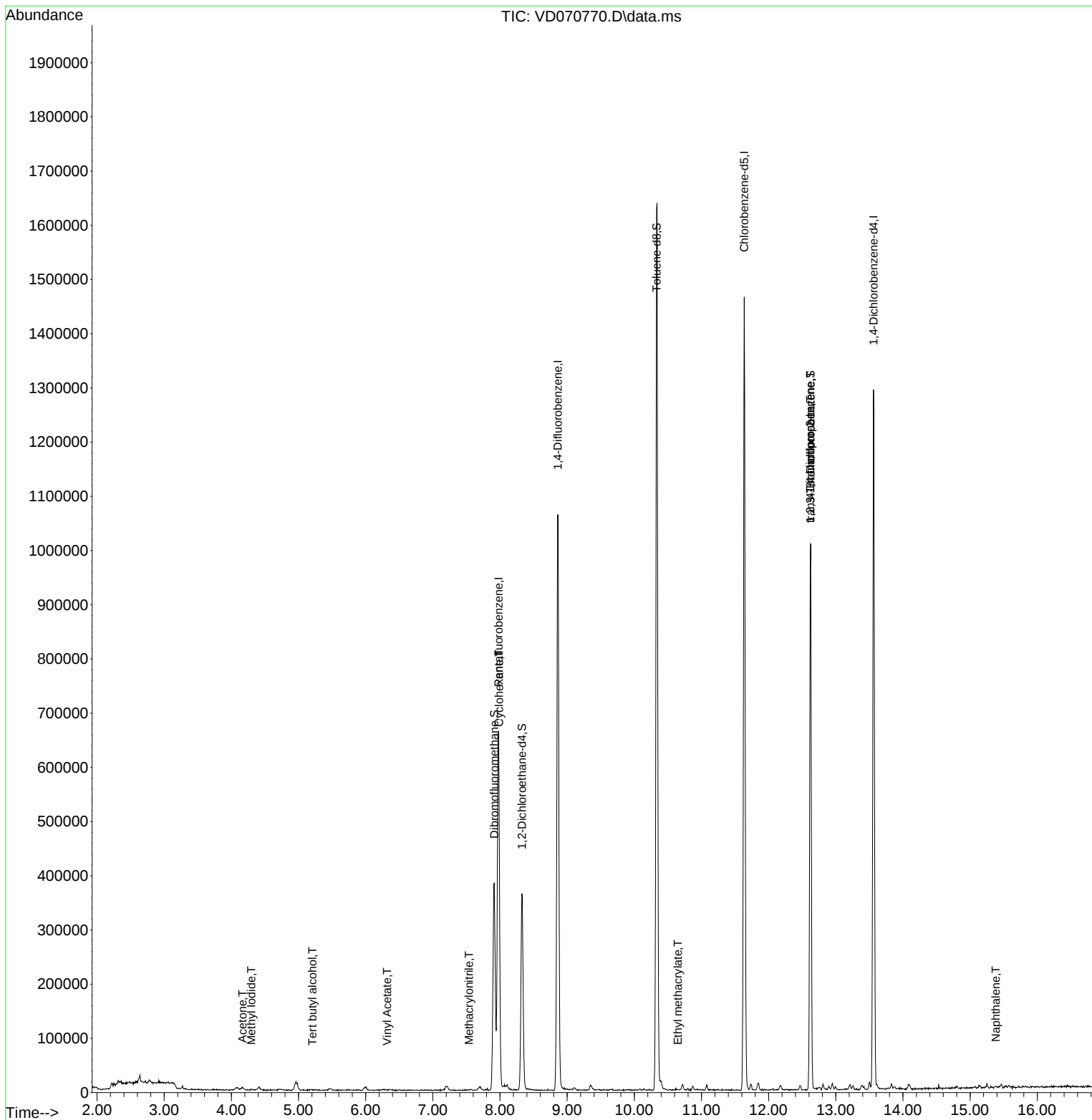
Internal Standards						
1) Pentafluorobenzene	7.979	168	478340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	857366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	803025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	330823	50.000	ug/l	0.00

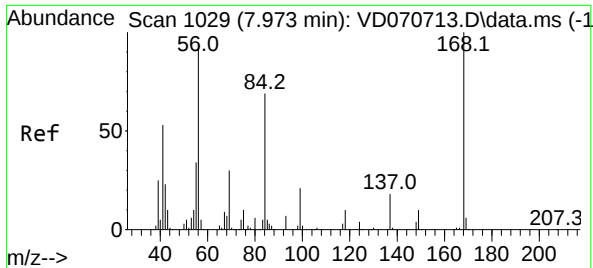
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	287936	50.822	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.640%
35) Dibromofluoromethane	7.914	113	272911	49.713	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.420%
50) Toluene-d8	10.332	98	1102469	52.388	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.780%
62) 4-Bromofluorobenzene	12.626	95	336305	46.412	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.820%

Target Compounds					Qvalue	
10) Methyl Iodide	4.297	142	1357	3.532	ug/l #	54
11) Tert butyl alcohol	5.209	59	334	1.053	ug/l #	83
16) Acetone	4.167	43	7591	5.555	ug/l	88
20) Methylene Chloride	4.962	84	11459	Below Cal	#	84
23) Vinyl Acetate	6.320	43	660	16.390	ug/l #	69
31) Cyclohexane	7.985	56	15581	1.359	ug/l #	43
41) Methacrylonitrile	7.538	41	74	1.972	ug/l #	16
56) Ethyl methacrylate	10.649	69	394	4.211	ug/l #	79
76) 1,2,3-Trichloropropane	12.620	75	171316	59.939	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	171316	131.285	ug/l #	17
95) Naphthalene	15.384	128	2853	5.033	ug/l #	78

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

Quant Time: Oct 21 05:37:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

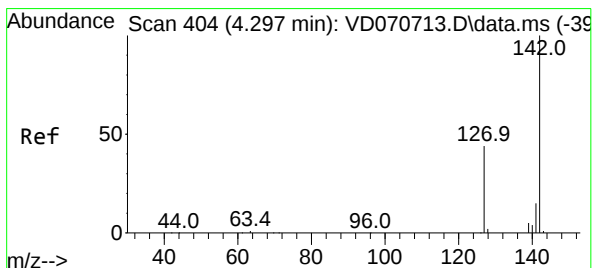
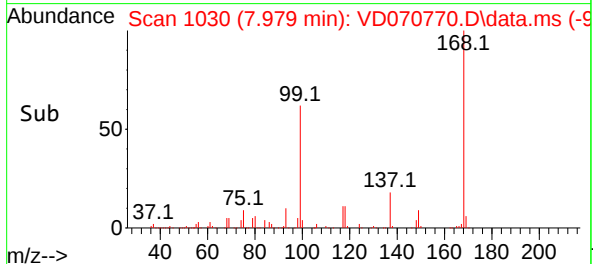
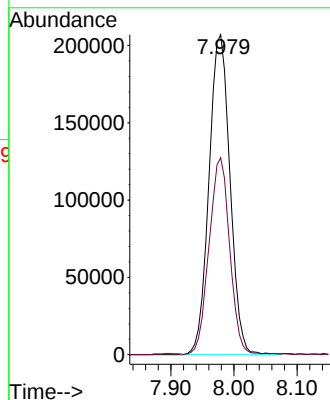
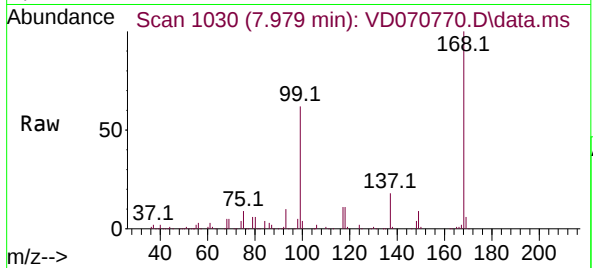




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

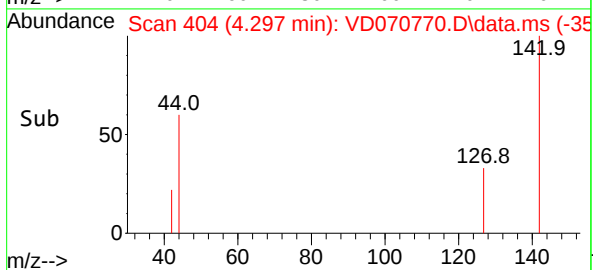
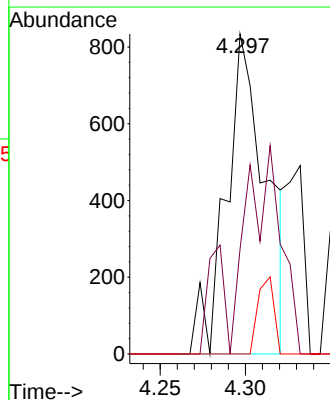
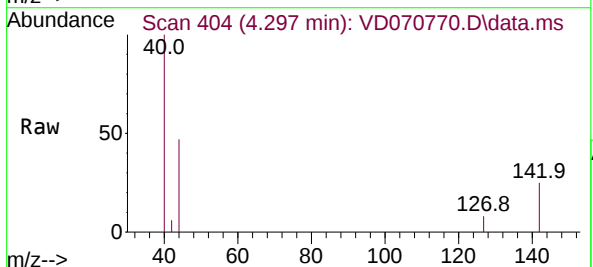
Instrument :
MSVOA_D
ClientSampleId :
WC-2-DS

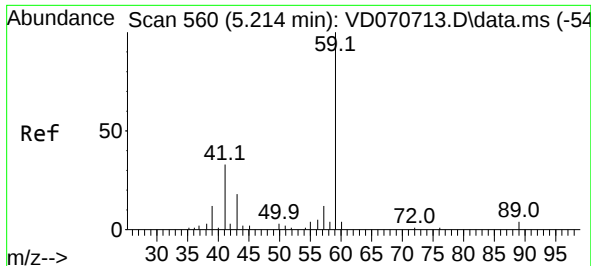
Tgt Ion:168 Resp: 478340
Ion Ratio Lower Upper
168 100
99 61.3 51.4 77.0



#10
Methyl Iodide
Concen: 3.532 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

Tgt Ion:142 Resp: 1357
Ion Ratio Lower Upper
142 100
127 13.9 37.5 56.3#
141 0.0 12.1 18.1#



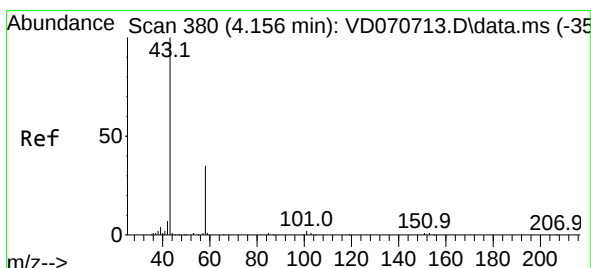
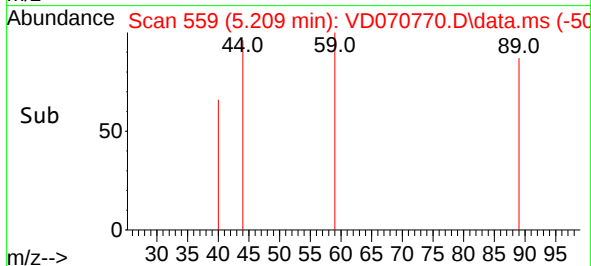
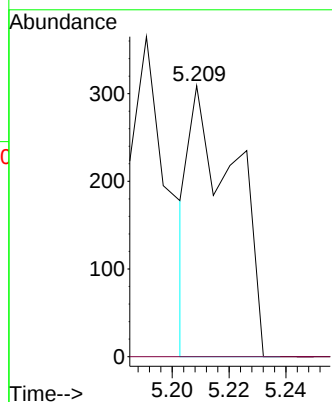
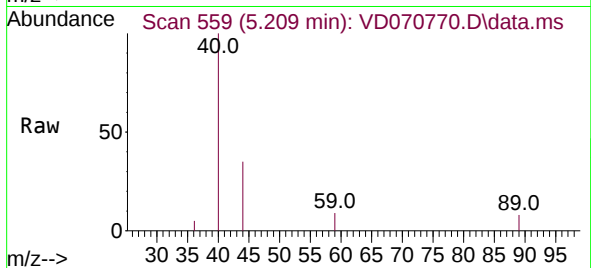


#11

Tert butyl alcohol
Concen: 1.053 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.006 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

Instrument :
MSVOA_D
ClientSampleId :
WC-2-DS

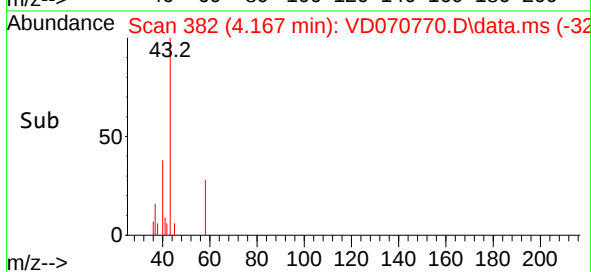
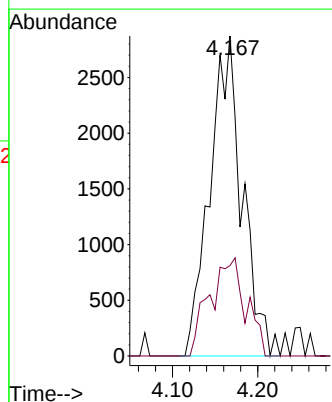
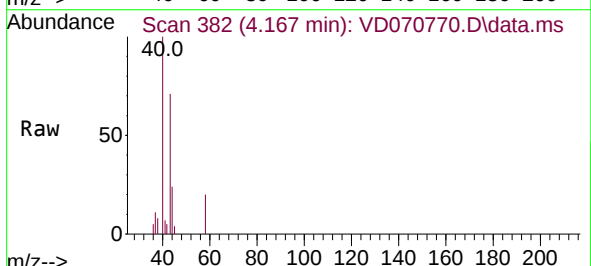
Tgt Ion: 59 Resp: 334
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

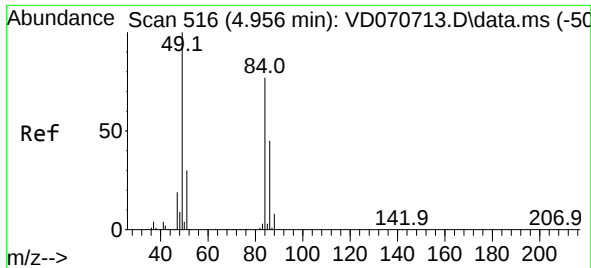


#16

Acetone
Concen: 5.555 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

Tgt Ion: 43 Resp: 7591
Ion Ratio Lower Upper
43 100
58 28.3 28.2 42.2

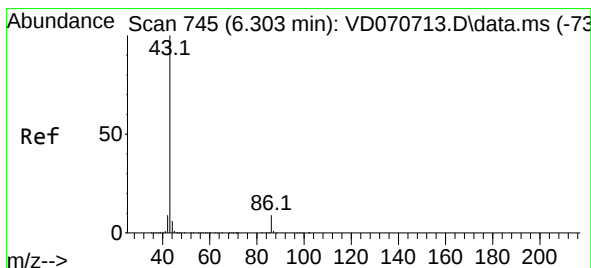
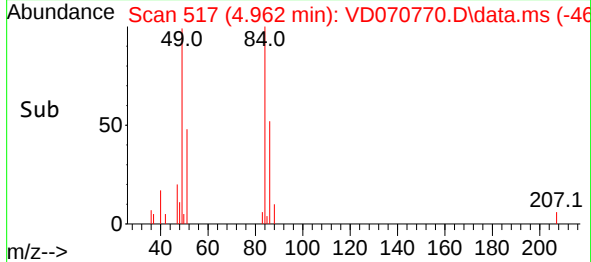
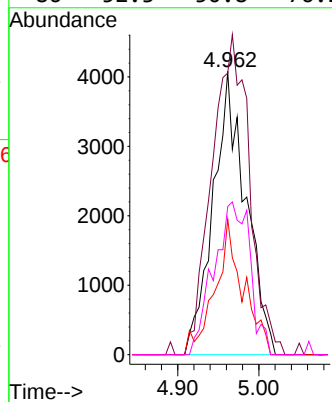
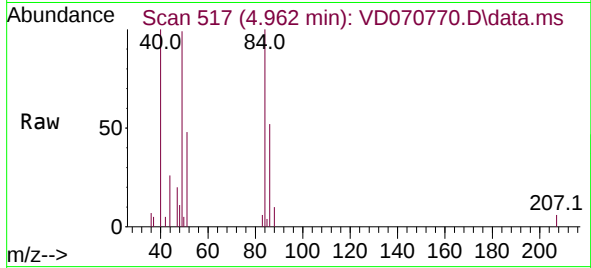




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

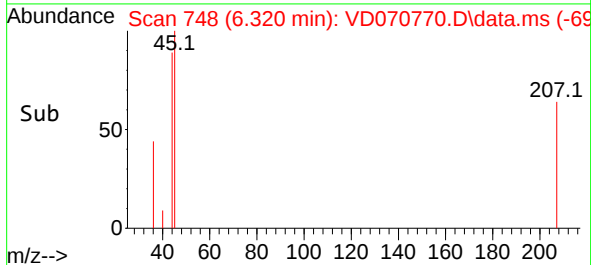
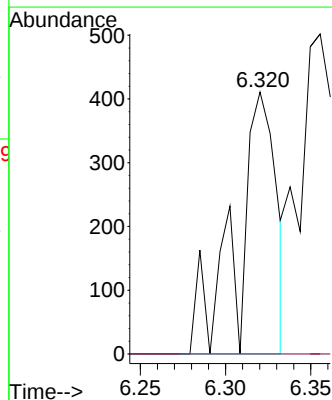
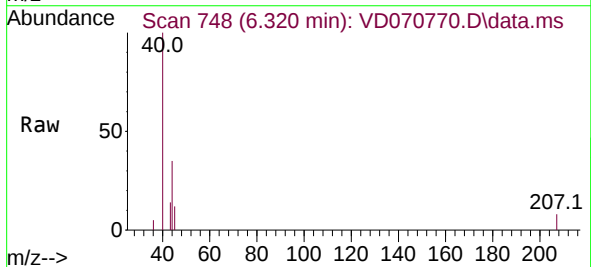
Instrument :
MSVOA_D
ClientSampleId :
WC-2-DS

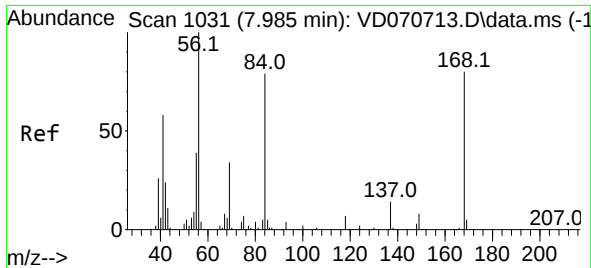
Tgt Ion:	84	Resp:	11459
Ion	Ratio	Lower	Upper
84	100		
49	99.5	91.4	137.2
51	47.8	26.7	40.1#
86	52.3	50.8	76.2



#23
Vinyl Acetate
Concen: 16.390 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.017 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

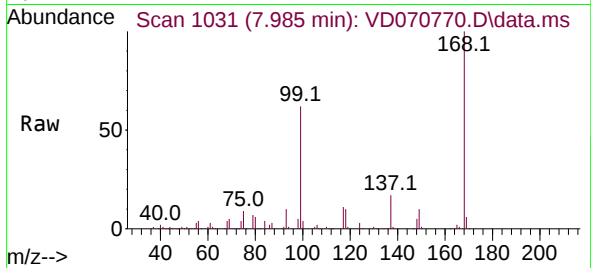
Tgt Ion:	43	Resp:	660
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#



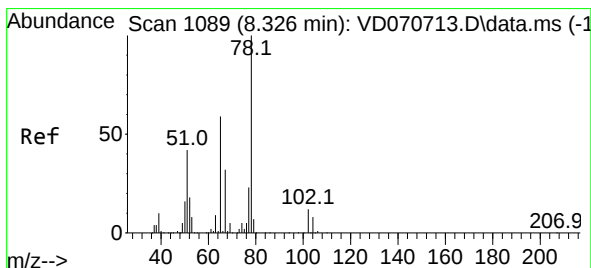
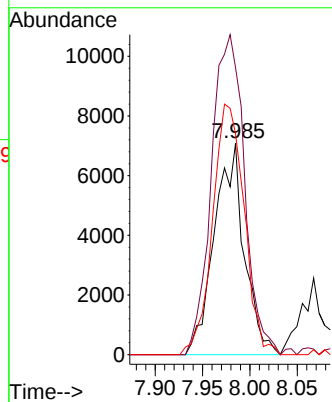
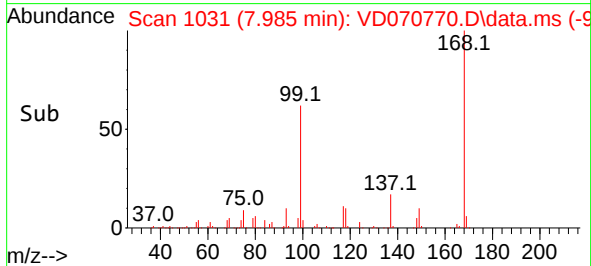


#31
Cyclohexane
Concen: 1.359 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

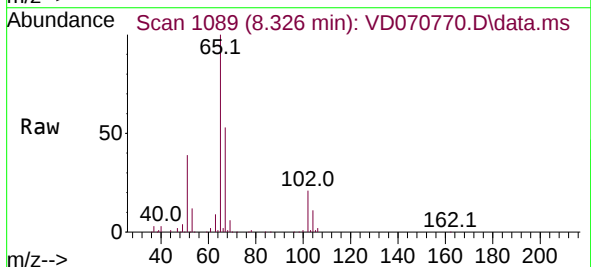
Instrument :
MSVOA_D
ClientSampleId :
WC-2-DS



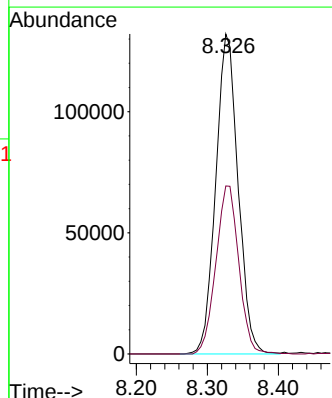
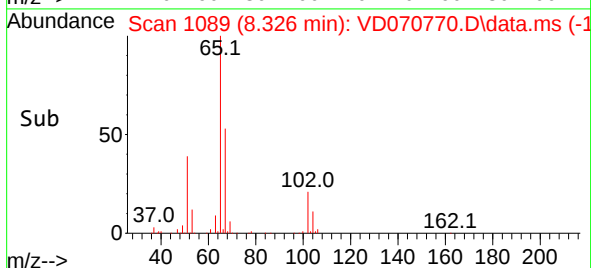
Tgt Ion: 56 Resp: 15581
Ion Ratio Lower Upper
56 100
69 135.8 27.4 41.2#
84 104.5 73.6 110.4

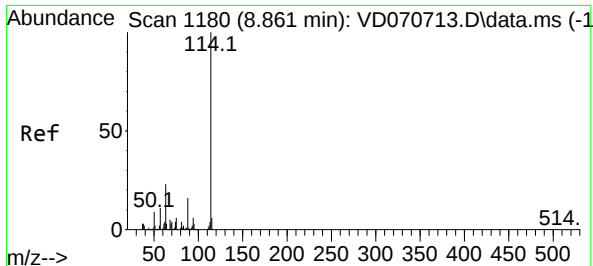


#33
1,2-Dichloroethane-d4
Concen: 50.822 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33



Tgt Ion: 65 Resp: 287936
Ion Ratio Lower Upper
65 100
67 53.9 0.0 110.2



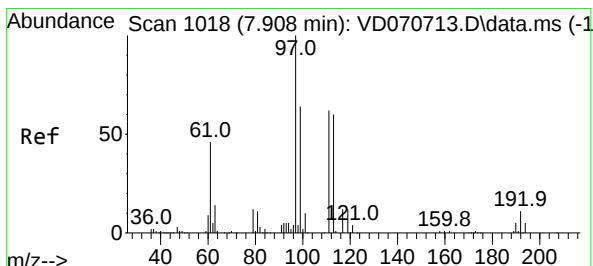
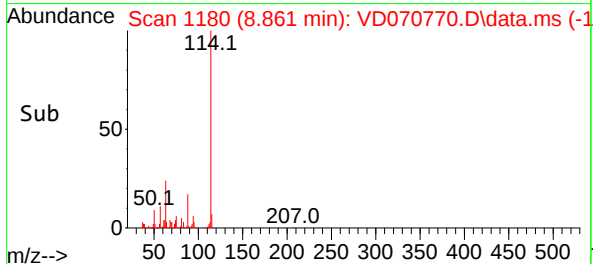
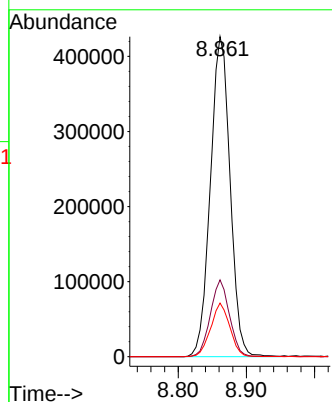
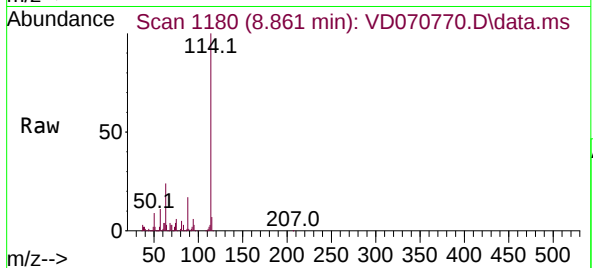


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

Instrument :
MSVOA_D
ClientSampleId :
WC-2-DS

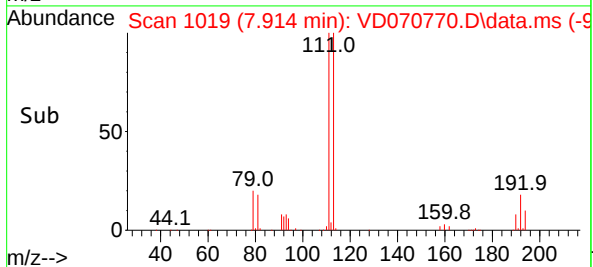
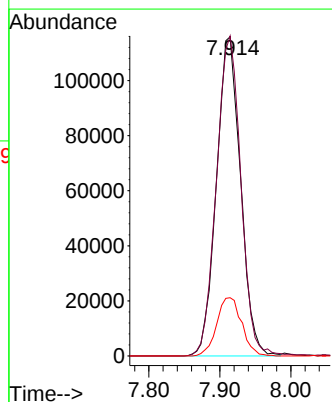
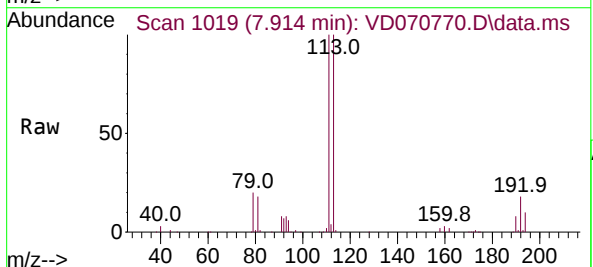
Tgt Ion:114 Resp: 857366
Ion Ratio Lower Upper
114 100
63 24.0 0.0 41.8
88 16.8 0.0 32.6

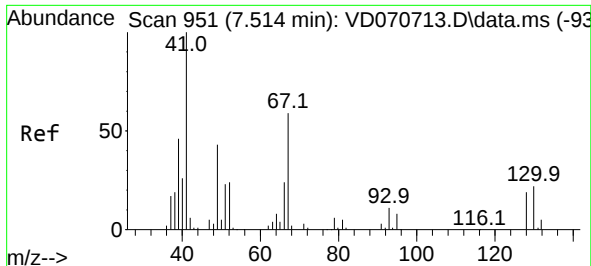


#35

Dibromofluoromethane
Concen: 49.713 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

Tgt Ion:113 Resp: 272911
Ion Ratio Lower Upper
113 100
111 101.9 83.1 124.7
192 18.9 12.7 19.1

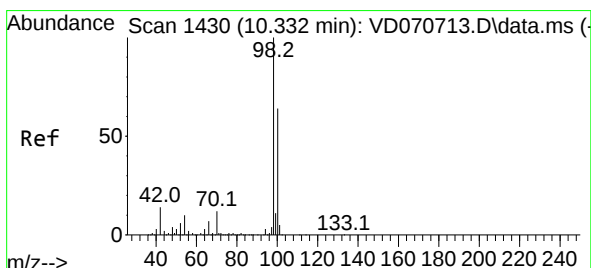
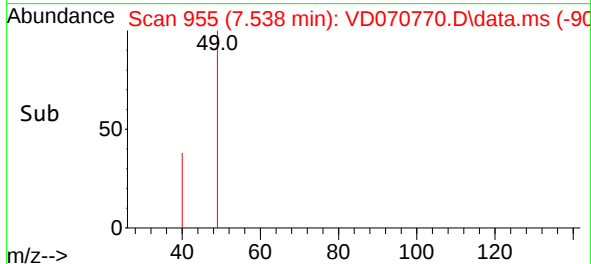
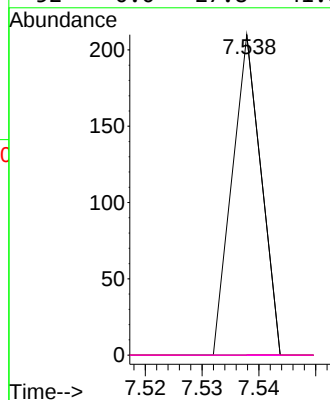
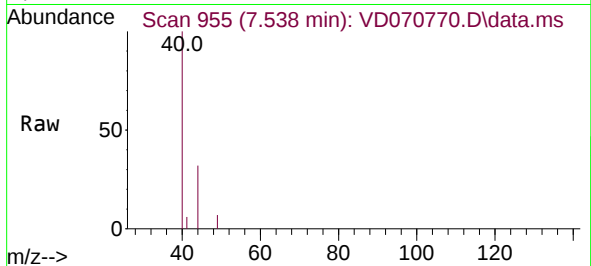




#41
Methacrylonitrile
Concen: 1.972 ug/l
RT: 7.538 min Scan# 955
Delta R.T. 0.024 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

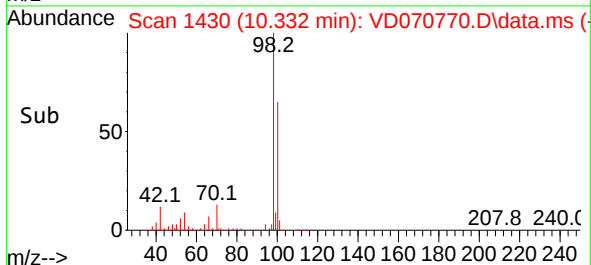
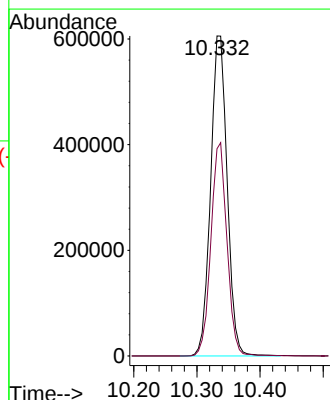
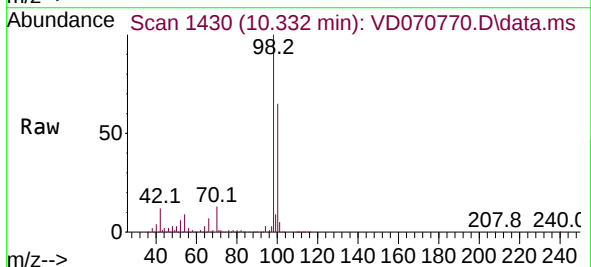
Instrument :
MSVOA_D
ClientSampleId :
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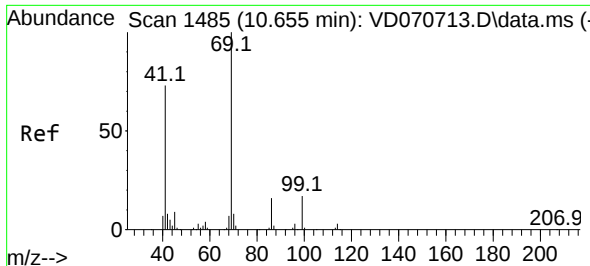
Tgt Ion:	41	Resp:	74
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#50
Toluene-d8
Concen: 52.388 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

Tgt Ion:	98	Resp:	1102469
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.4

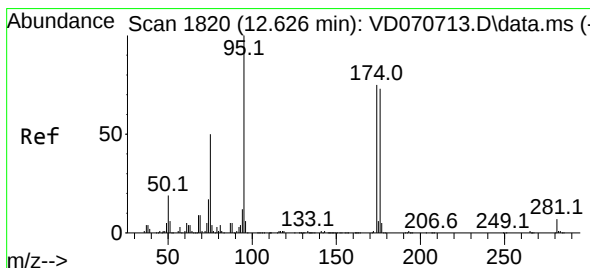
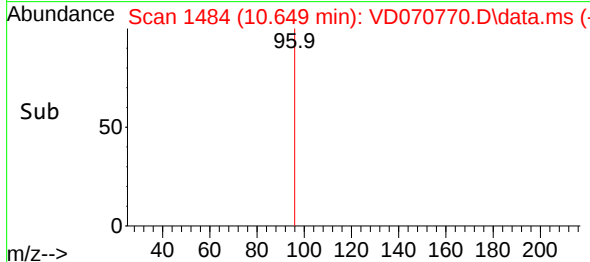
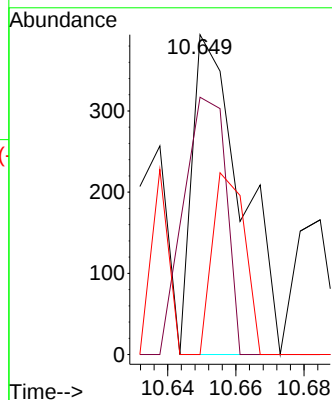
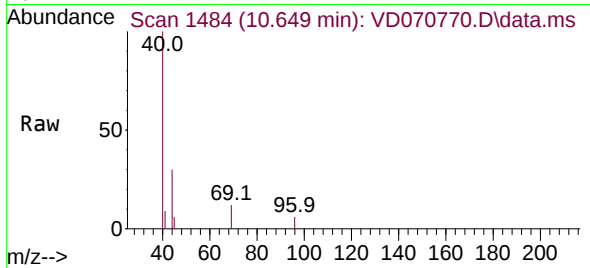




#56
Ethyl methacrylate
Concen: 4.211 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

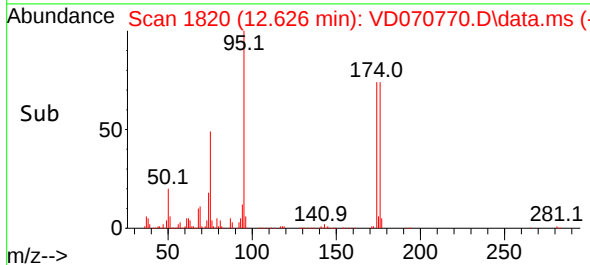
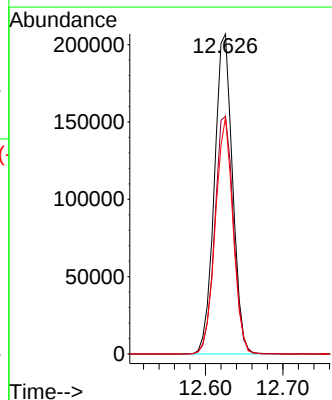
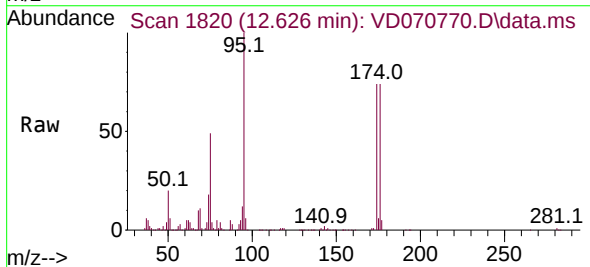
Instrument :
MSVOA_D
ClientSampleId :
WC-2-DS

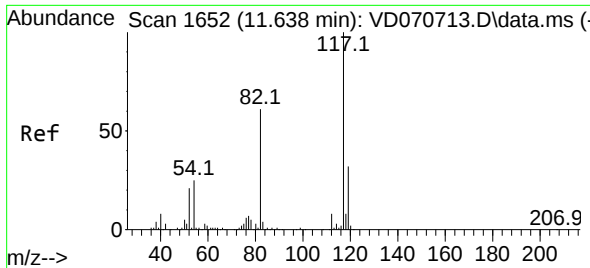
Tgt Ion: 69 Resp: 394
Ion Ratio Lower Upper
69 100
41 69.8 44.7 67.1#
39 37.6 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 46.412 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

Tgt Ion: 95 Resp: 336305
Ion Ratio Lower Upper
95 100
174 76.4 0.0 138.0
176 72.1 0.0 135.6

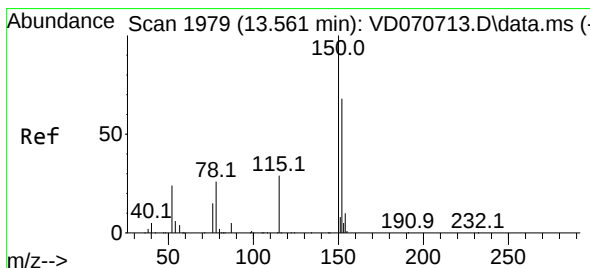
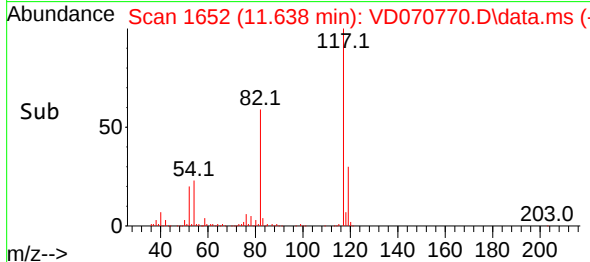
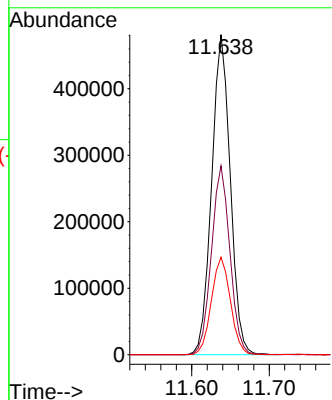
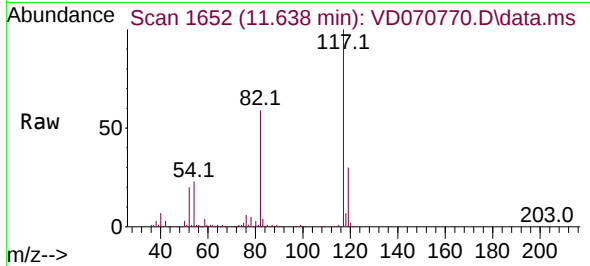




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

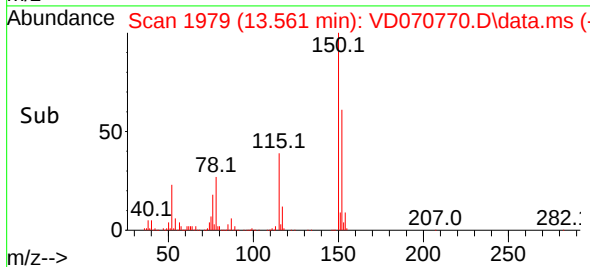
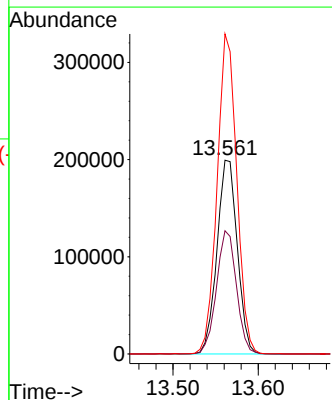
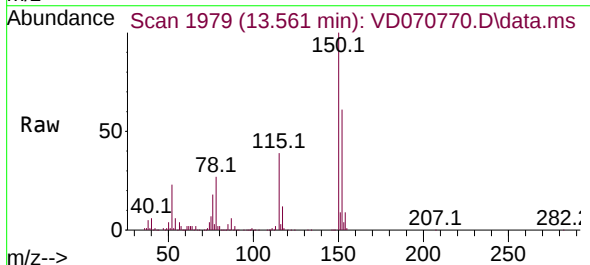
Instrument :
MSVOA_D
ClientSampleId :
WC-2-DS

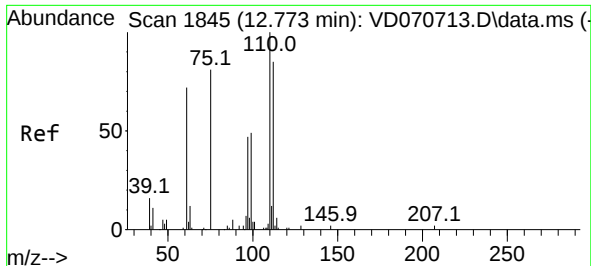
Tgt Ion:	117	Resp:	803025
Ion	Ratio	Lower	Upper
117	100		
82	59.0	45.4	68.2
119	30.4	24.7	37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

Tgt Ion:	152	Resp:	330823
Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.9	95.7
150	159.5	0.0	350.0

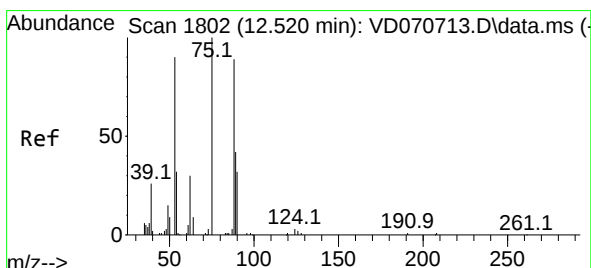
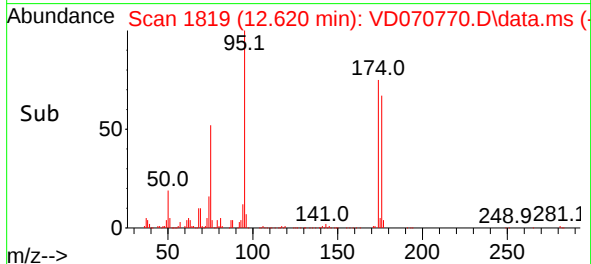
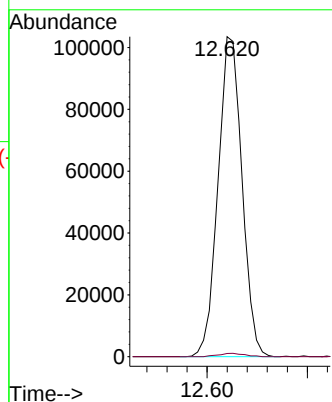
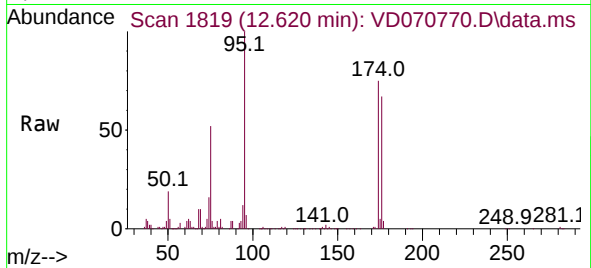




#76
1,2,3-Trichloropropane
Concen: 59.939 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

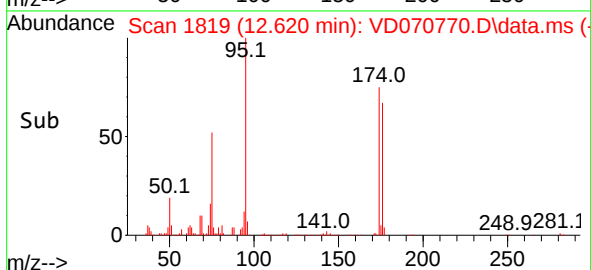
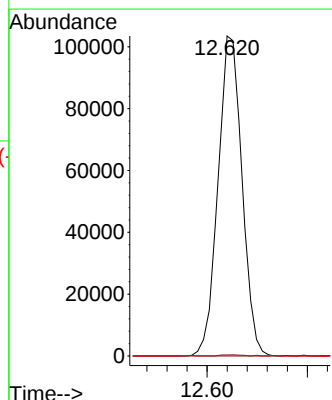
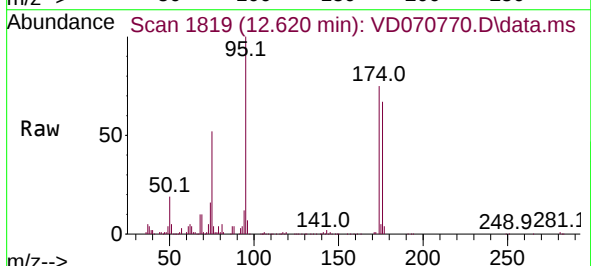
Instrument :
MSVOA_D
ClientSampleId :
WC-2-DS

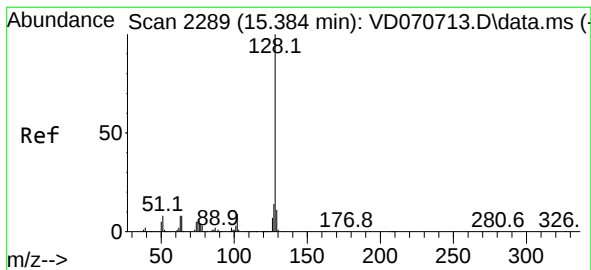
Tgt Ion: 75 Resp: 171316
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.285 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

Tgt Ion: 75 Resp: 171316
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 5.033 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD070770.D
Acq: 20 Oct 2021 12:33

Instrument :
MSVOA_D
ClientSampleId :
WC-2-DS

Tgt Ion:128 Resp: 2853
Ion Ratio Lower Upper
128 100
127 22.2 10.9 16.3#
129 2.0 8.6 12.8#

