

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070190.D
 Acq On : 20 Aug 2021 03:45
 Operator : VA/SY
 Sample : M3449-10
 Misc : 5.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP4

Quant Time: Aug 20 05:50:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

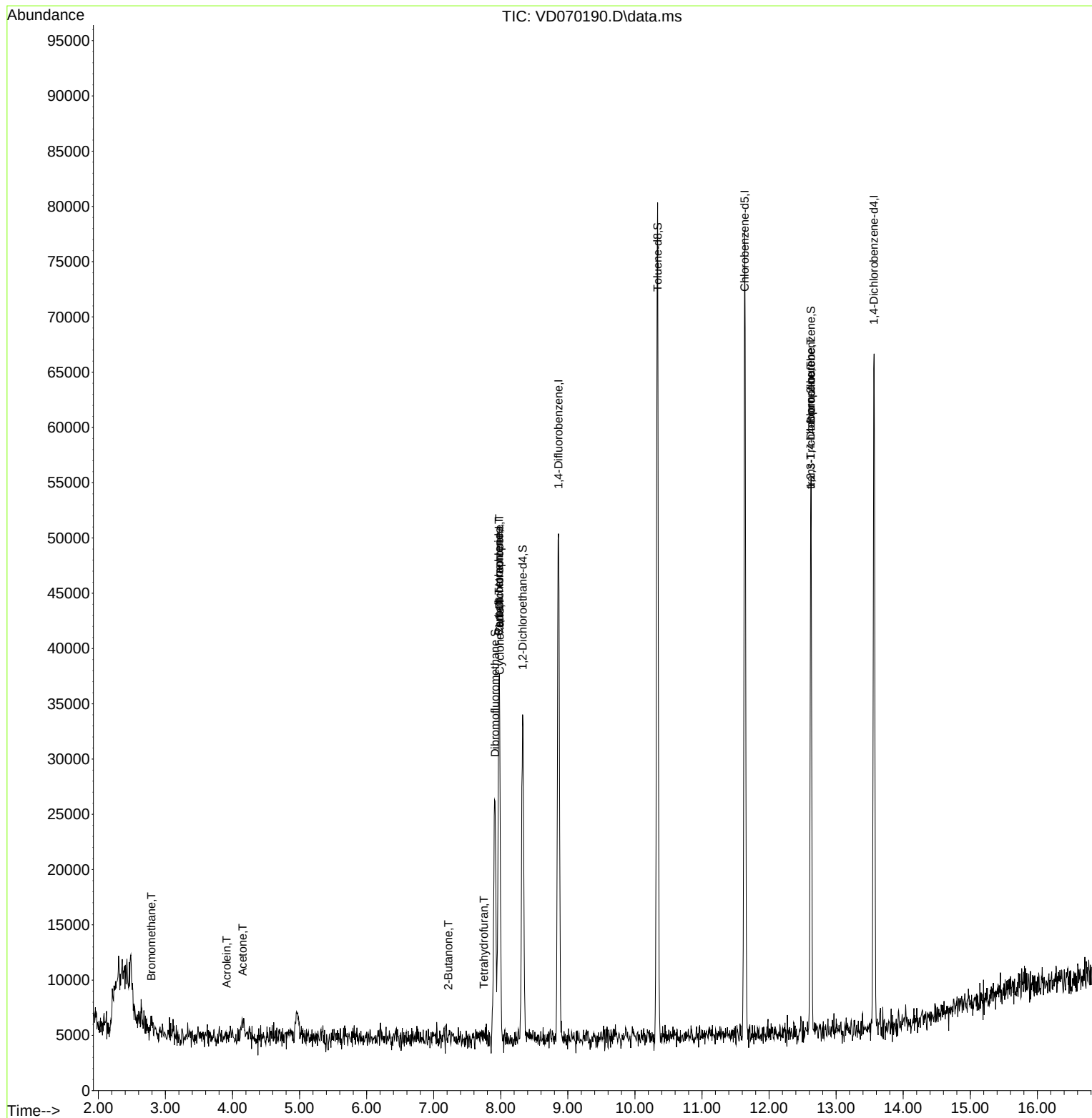
Internal Standards						
1) Pentafluorobenzene	7.973	168	24163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	40254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	43117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	16612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	21986	77.362	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 154.720%			
35) Dibromofluoromethane	7.914	113	16839	64.749	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 129.500%			
50) Toluene-d8	10.338	98	52171	51.577	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.160%			
62) 4-Bromofluorobenzene	12.626	95	15964	47.916	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.840%			
Target Compounds						
3) Chloromethane	2.203	50	715	Below Cal	#	42
5) Bromomethane	2.791	94	1393	2.111	ug/l	97
13) Acrolein	3.914	56	61	3.371	ug/l #	14
16) Acetone	4.150	43	2451	46.816	ug/l	97
20) Methylene Chloride	4.967	84	1963	Below Cal	#	69
25) 2-Butanone	7.220	43	634	8.862	ug/l #	44
29) Tetrahydrofuran	7.750	42	58	1.238	ug/l #	32
31) Cyclohexane	7.985	56	665	1.182	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	2470	5.704	ug/l #	42
38) Carbon Tetrachloride	7.973	117	2568	6.532	ug/l #	31
76) 1,2,3-Trichloropropane	12.620	75	7153	42.459	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	7153	110.208	ug/l #	17

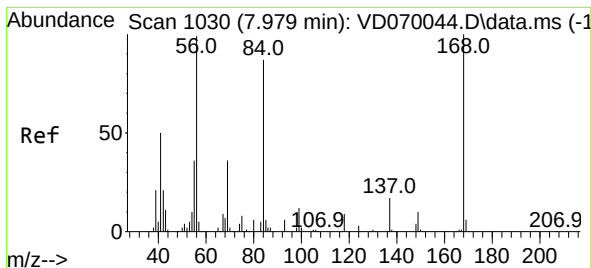
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration

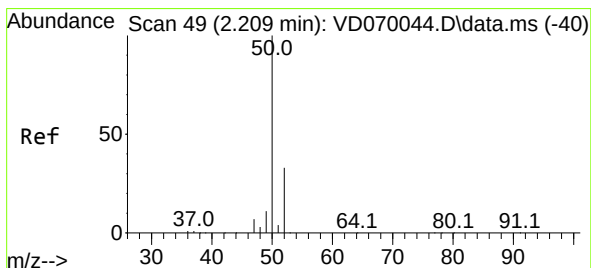
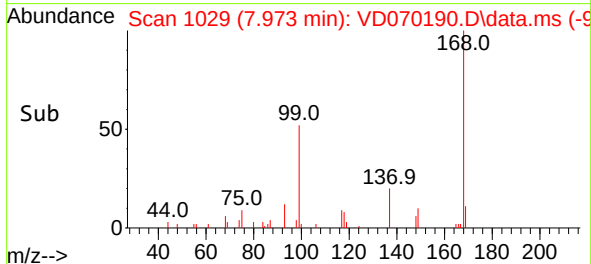
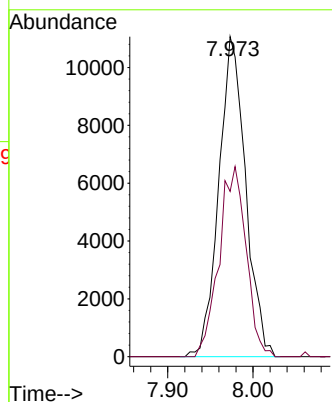
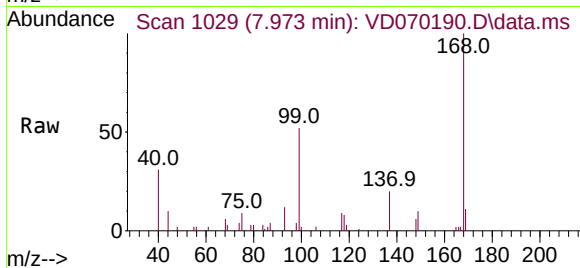




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

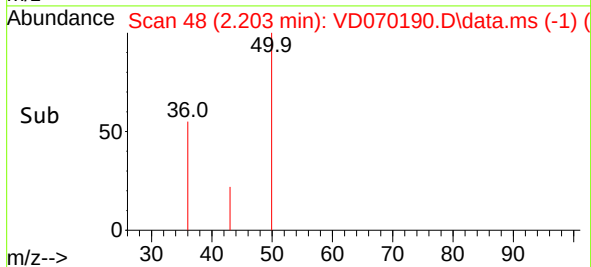
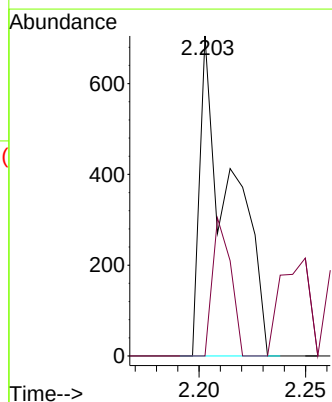
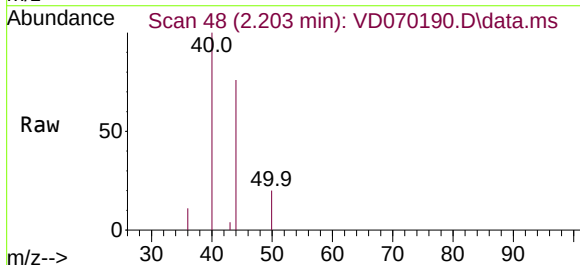
Instrument :
MSVOA_D
ClientSampled :
TP4

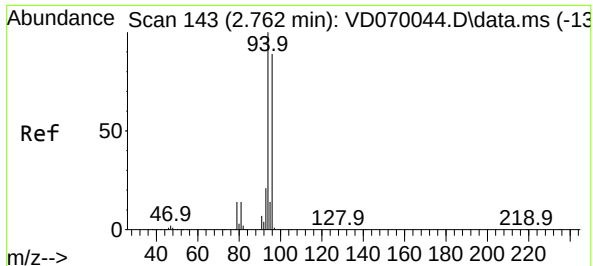
Tgt Ion:168 Resp: 24163
Ion Ratio Lower Upper
168 100
99 51.6 50.3 75.5



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

Tgt Ion: 50 Resp: 715
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#





#5

Bromomethane

Concen: 2.111 ug/l

RT: 2.791 min Scan# 148

Delta R.T. 0.029 min

Lab File: VD070190.D

Acq: 20 Aug 2021 03:45

Tgt Ion: 94 Resp: 1393

Ion Ratio Lower Upper

94 100

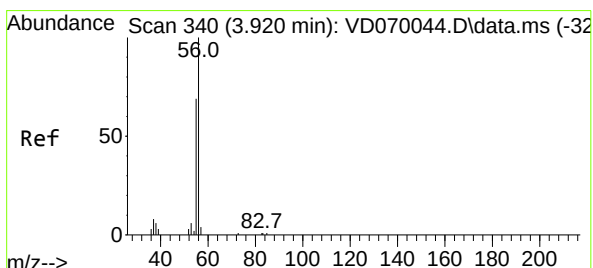
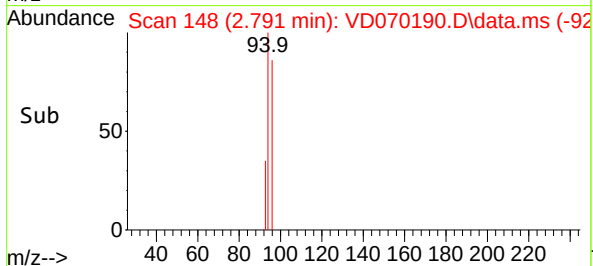
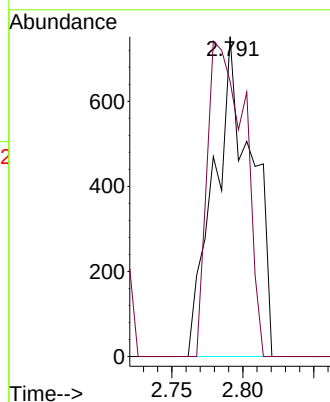
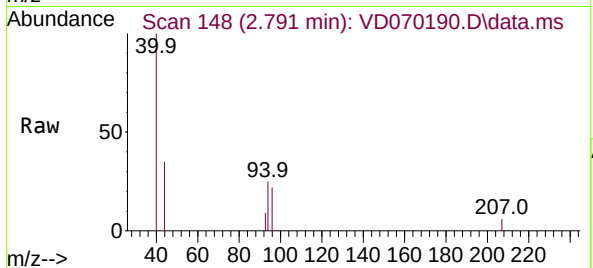
96 86.0 70.9 106.3

Instrument :

MSVOA_D

ClientSampleId :

TP4



#13

Acrolein

Concen: 3.371 ug/l

RT: 3.914 min Scan# 339

Delta R.T. -0.006 min

Lab File: VD070190.D

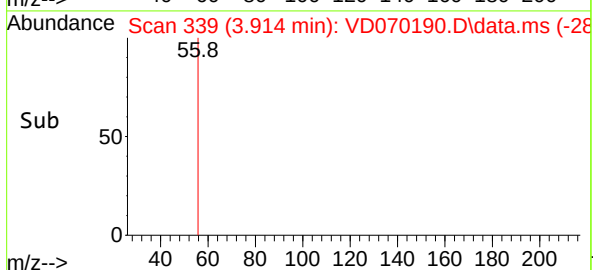
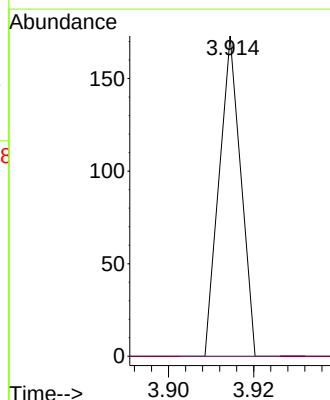
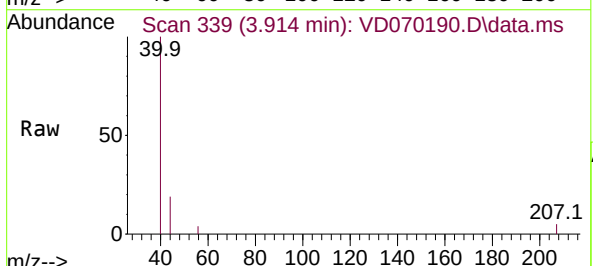
Acq: 20 Aug 2021 03:45

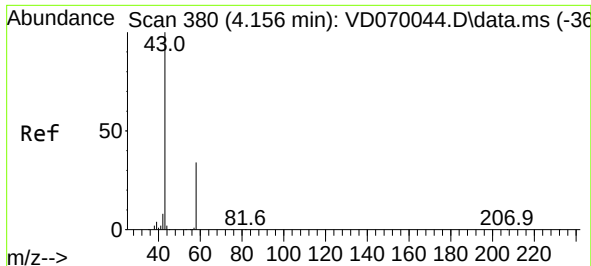
Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#

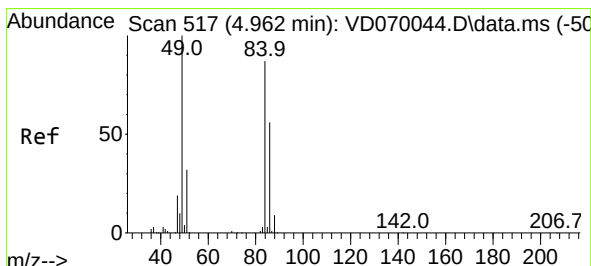
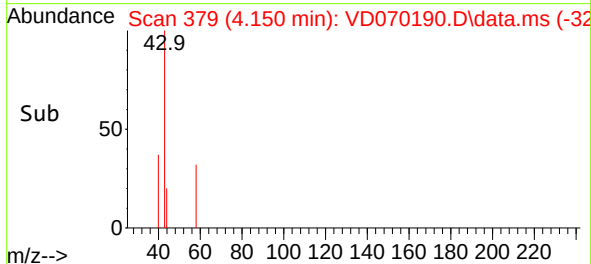
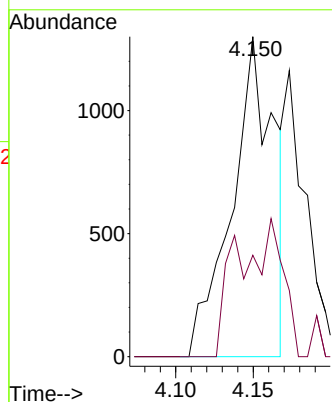
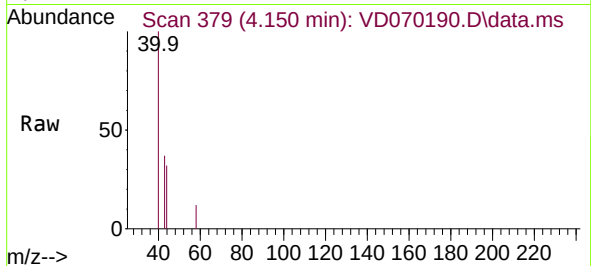




#16
Acetone
Concen: 46.816 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

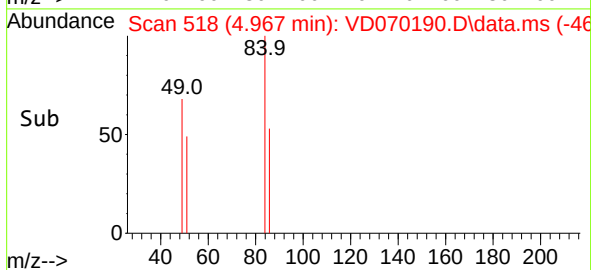
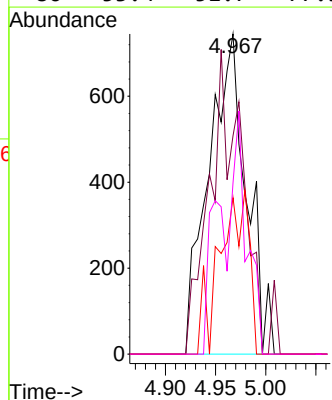
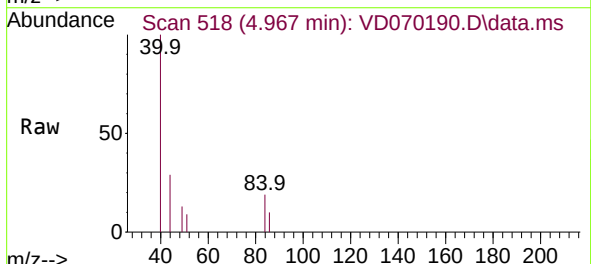
Instrument :
MSVOA_D
ClientSampleId :
TP4

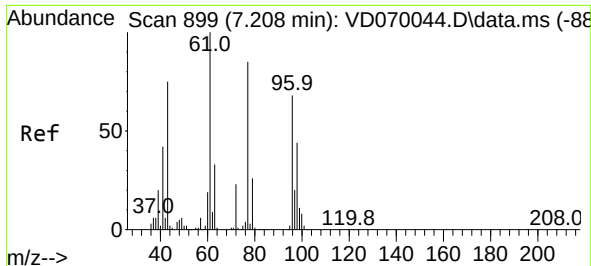
Tgt Ion: 43 Resp: 2451
Ion Ratio Lower Upper
43 100
58 31.7 26.8 40.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

Tgt Ion: 84 Resp: 1963
Ion Ratio Lower Upper
84 100
49 68.2 92.5 138.7#
51 48.9 29.7 44.5#
86 53.4 51.7 77.5

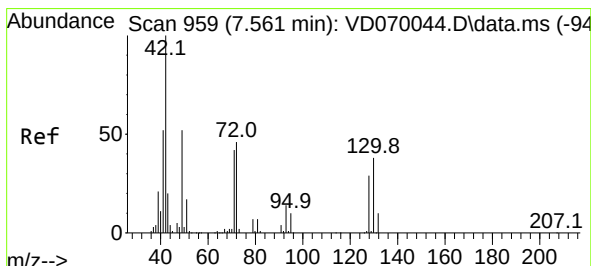
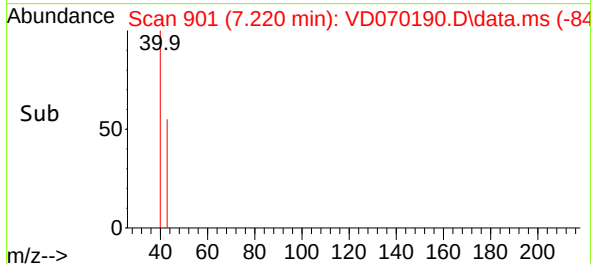
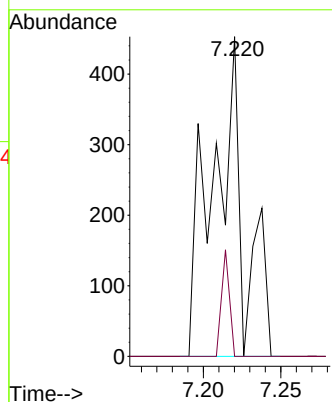
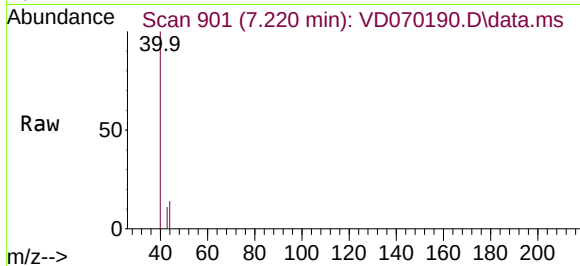




#25
2-Butanone
Concen: 8.862 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

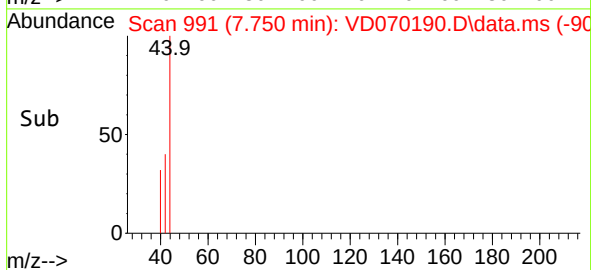
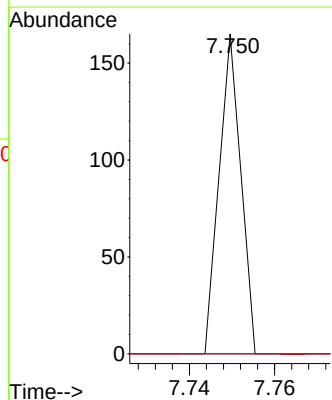
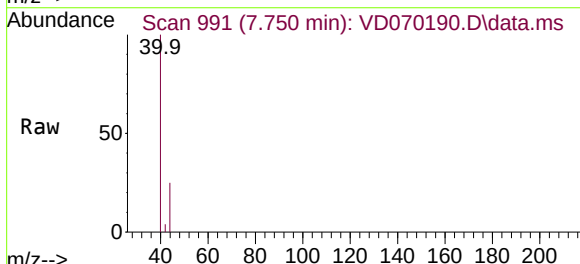
Instrument :
MSVOA_D
ClientSampleId :
TP4

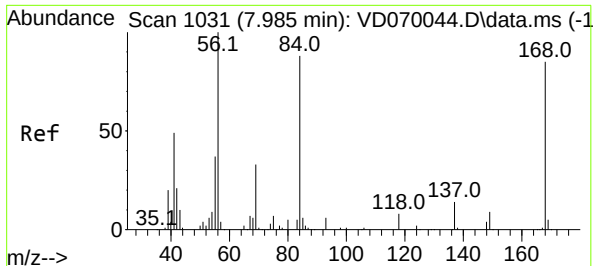
Tgt Ion: 43 Resp: 634
Ion Ratio Lower Upper
43 100
72 0.0 24.2 36.4#



#29
Tetrahydrofuran
Concen: 1.238 ug/l
RT: 7.750 min Scan# 991
Delta R.T. 0.188 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

Tgt Ion: 42 Resp: 58
Ion Ratio Lower Upper
42 100
72 0.0 37.5 56.3#
71 0.0 33.6 50.4#

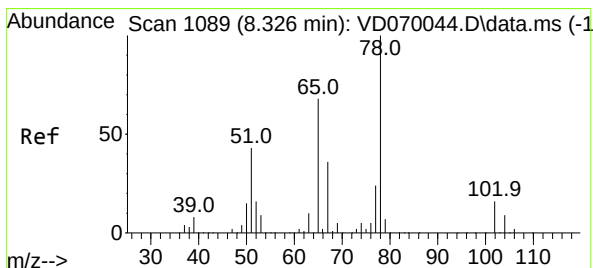
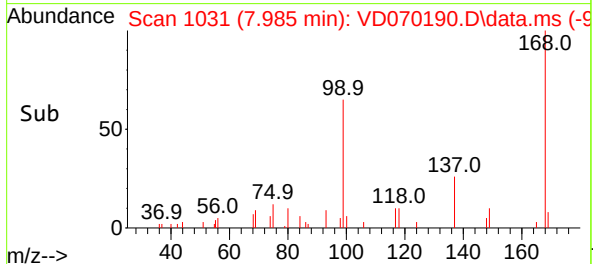
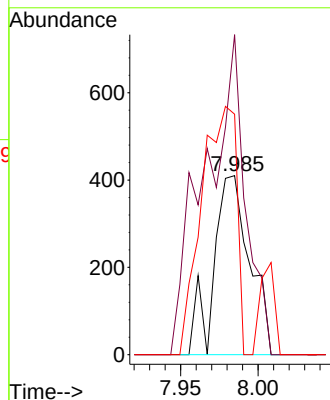
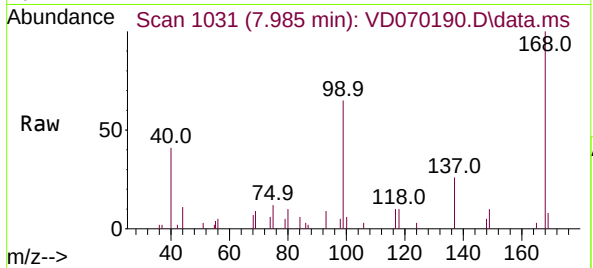




#31
Cyclohexane
Concen: 1.182 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

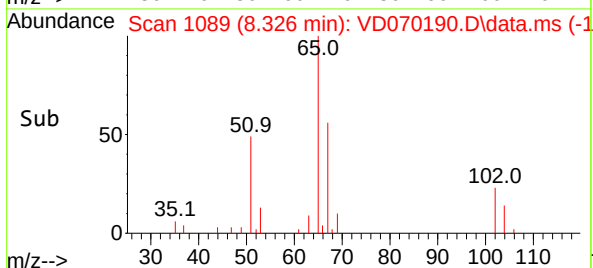
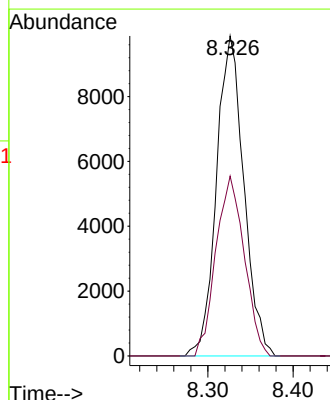
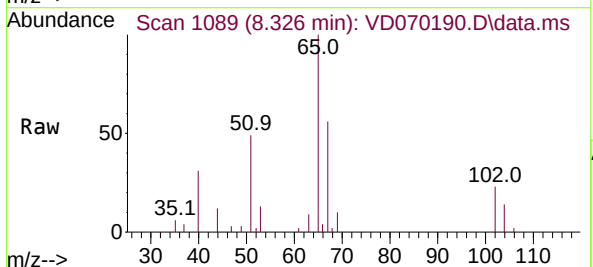
Instrument :
MSVOA_D
ClientSampled :
TP4

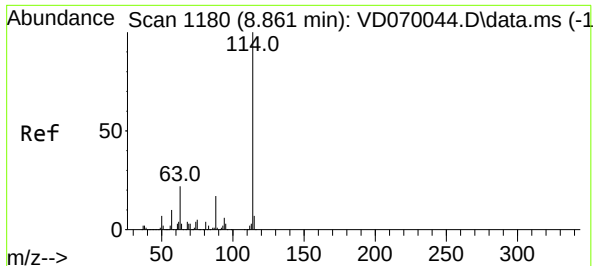
Tgt Ion: 56 Resp: 665
Ion Ratio Lower Upper
56 100
69 178.8 26.7 40.1#
84 134.4 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 77.362 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

Tgt Ion: 65 Resp: 21986
Ion Ratio Lower Upper
65 100
67 58.3 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

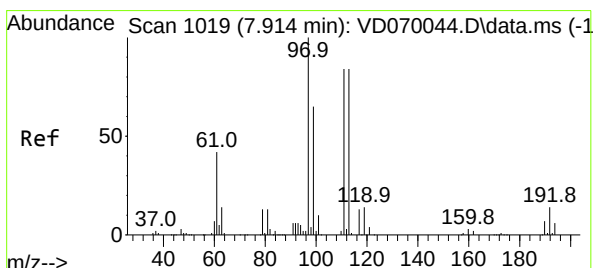
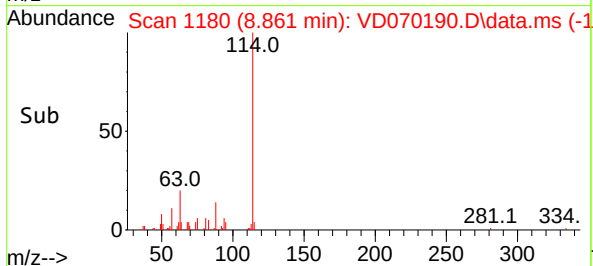
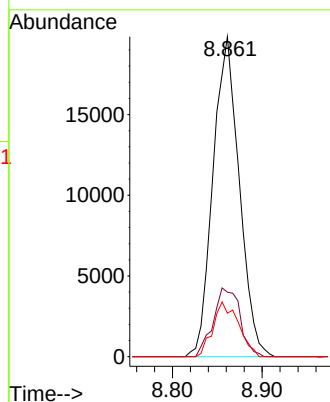
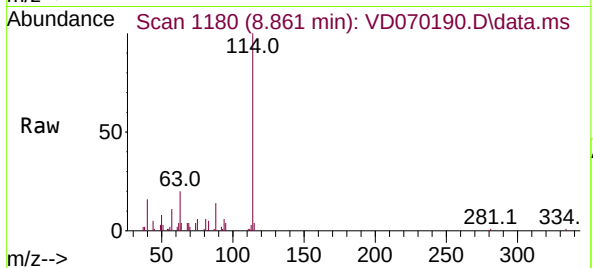
Delta R.T. -0.000 min

Lab File: VD070190.D

Acq: 20 Aug 2021 03:45

Tgt Ion:	114	Resp:	40254
Ion Ratio	Lower	Upper	
114	100		
63	20.1	0.0	43.6
88	13.6	0.0	33.4

Instrument :
MSVOA_D
ClientSampled :
TP4



#35

Dibromofluoromethane

Concen: 64.749 ug/l

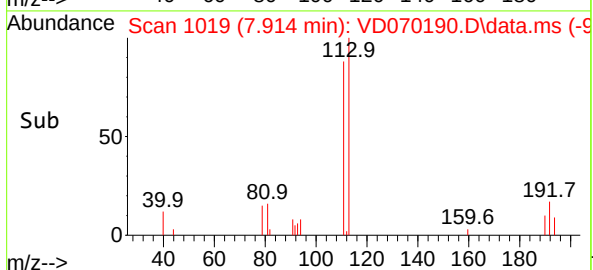
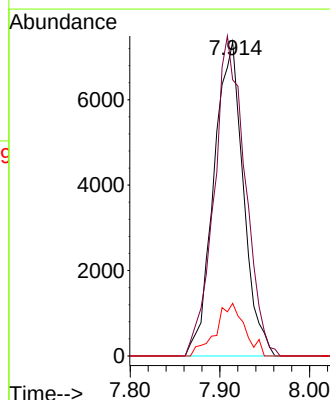
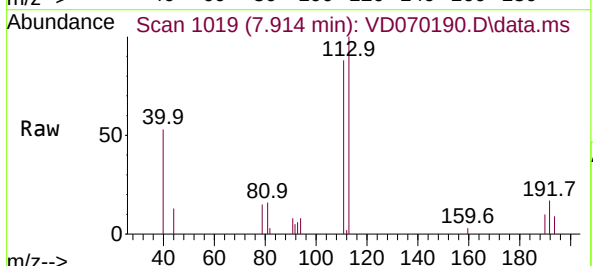
RT: 7.914 min Scan# 1019

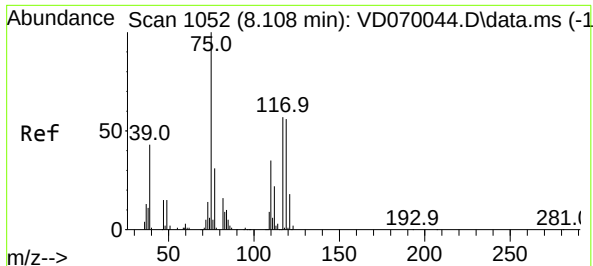
Delta R.T. -0.000 min

Lab File: VD070190.D

Acq: 20 Aug 2021 03:45

Tgt Ion:	113	Resp:	16839
Ion Ratio	Lower	Upper	
113	100		
111	106.8	81.8	122.6
192	16.4	13.2	19.8

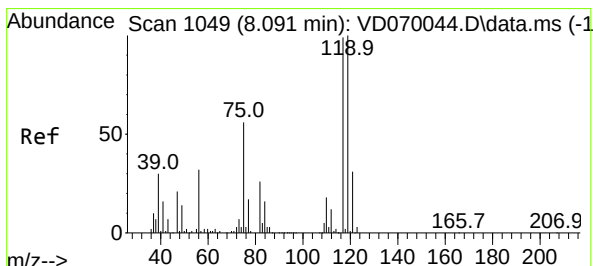
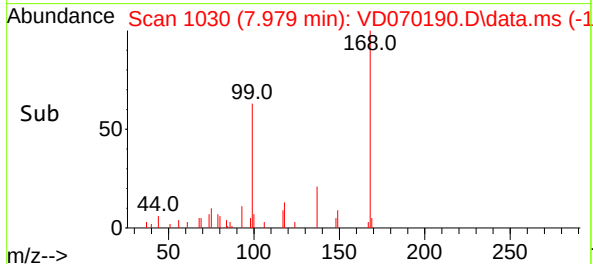
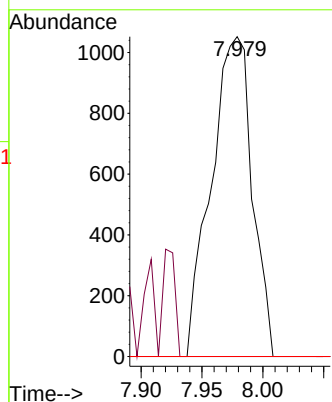
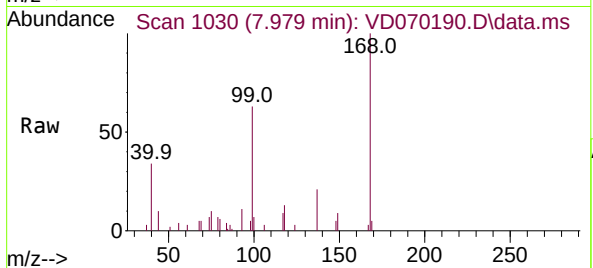




#36
1,1-Dichloropropene
Concen: 5.704 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

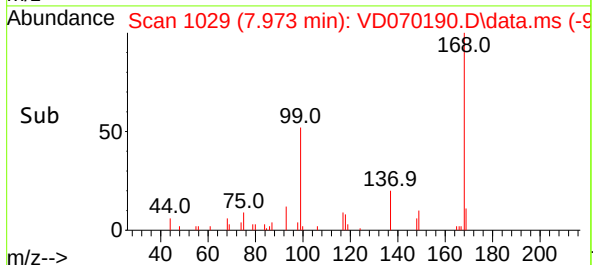
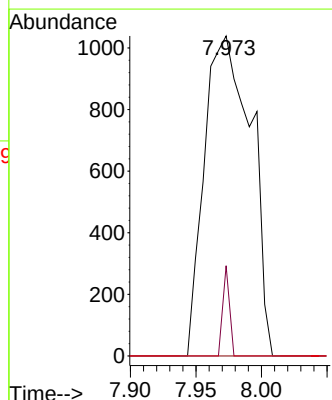
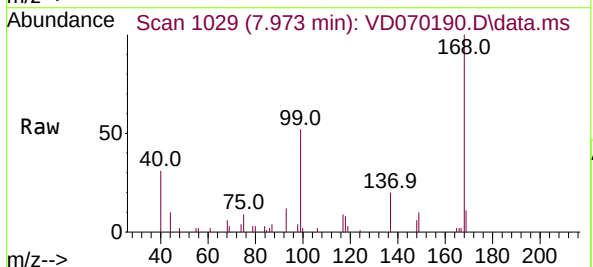
Instrument :
MSVOA_D
ClientSampled :
TP4

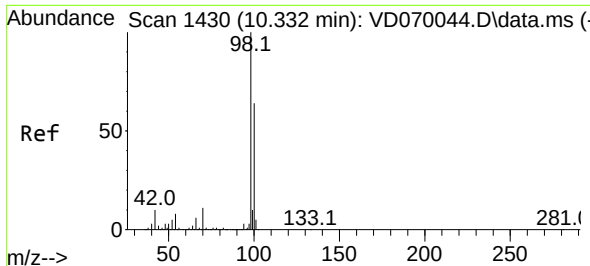
Tgt Ion: 75 Resp: 2470
Ion Ratio Lower Upper
75 100
110 0.0 16.9 50.7#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 6.532 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

Tgt Ion: 117 Resp: 2568
Ion Ratio Lower Upper
117 100
119 28.2 81.0 121.6#
121 0.0 25.0 37.6#

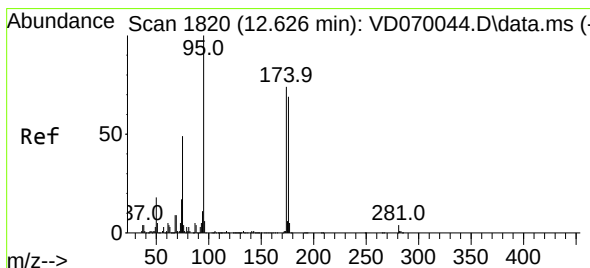
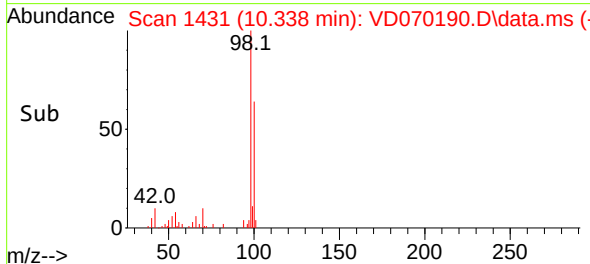
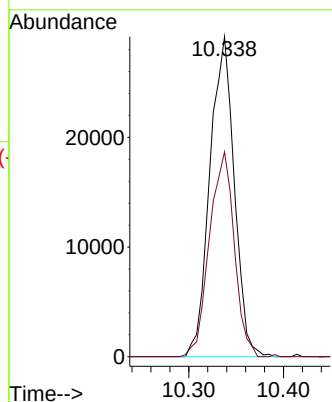
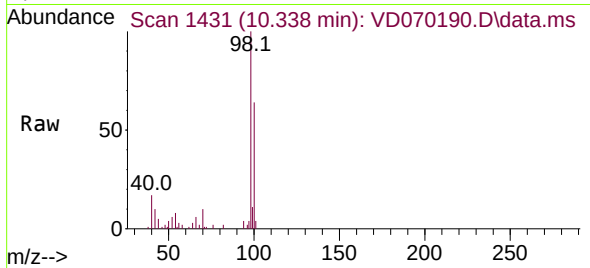




#50
Toluene-d8
Concen: 51.577 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

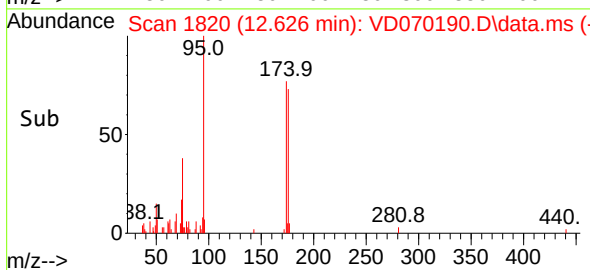
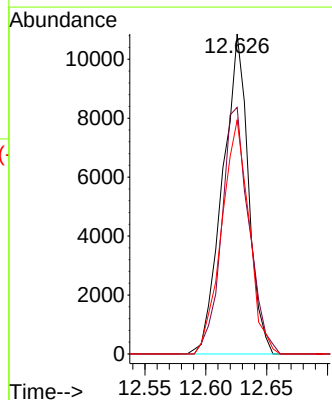
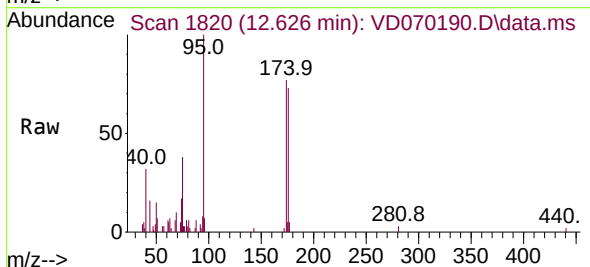
Instrument :
MSVOA_D
ClientSampled :
TP4

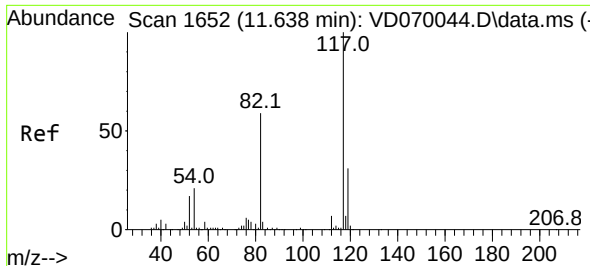
Tgt Ion: 98 Resp: 52171
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 47.916 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

Tgt Ion: 95 Resp: 15964
Ion Ratio Lower Upper
95 100
174 81.7 0.0 141.6
176 77.8 0.0 138.2

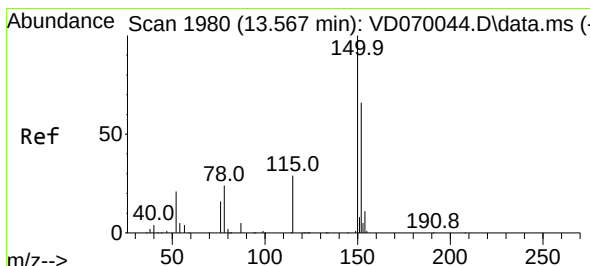
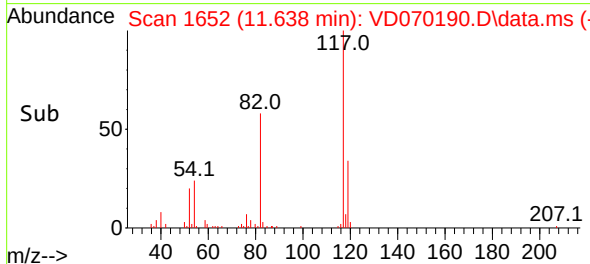
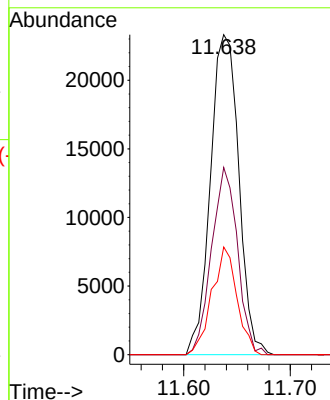
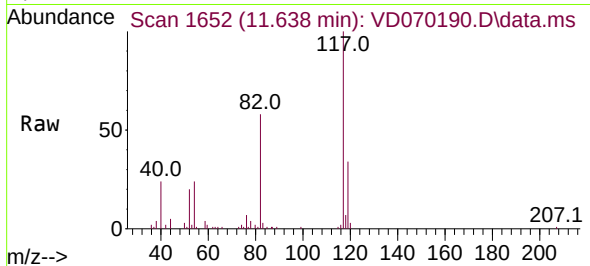




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

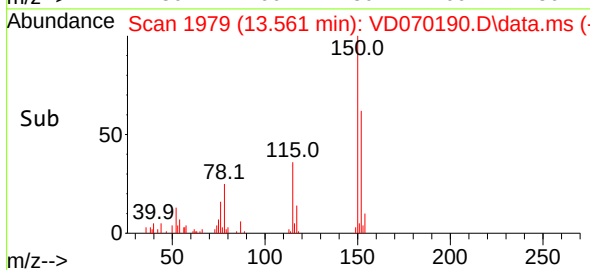
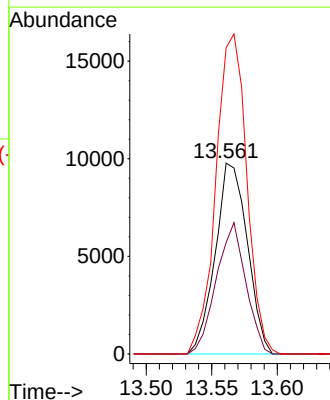
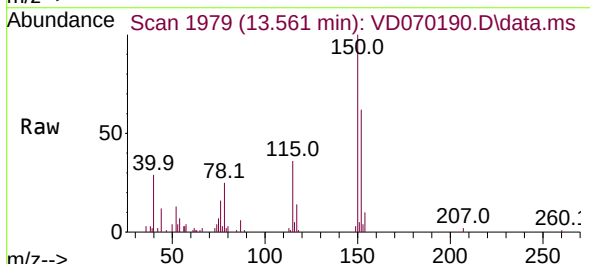
Instrument :
MSVOA_D
ClientSampled :
TP4

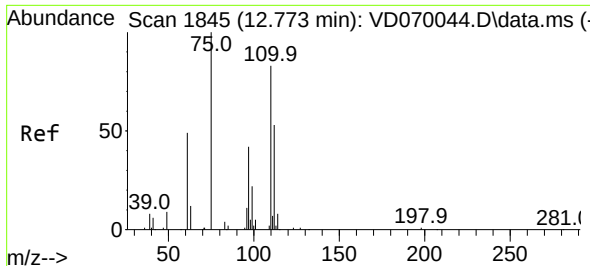
Tgt Ion:	117	Resp:	43117
Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.5	71.3
119	33.7	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

Tgt Ion:	152	Resp:	16612
Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.2	93.6
150	161.3	0.0	352.0

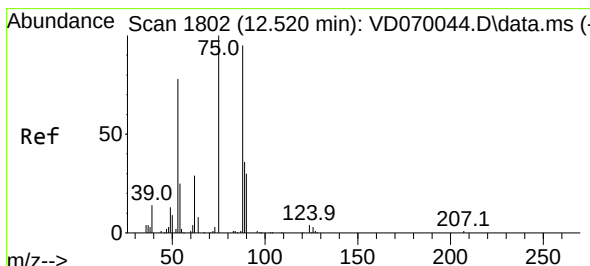
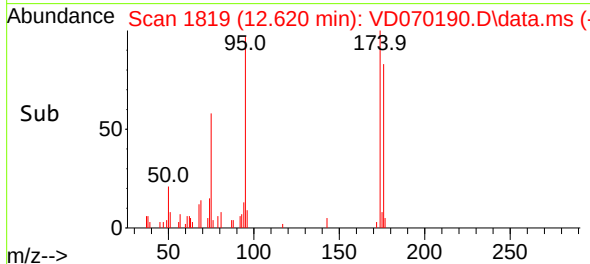
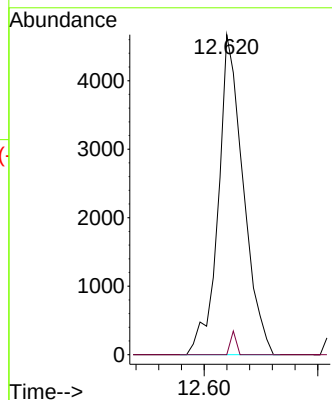
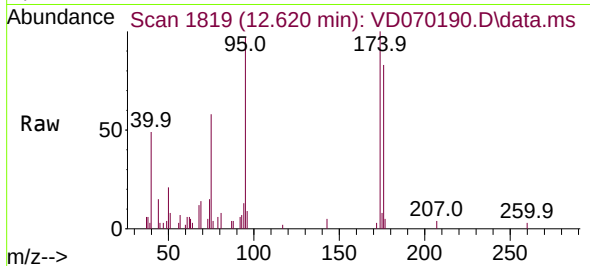




#76
1,2,3-Trichloropropane
Concen: 42.459 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

Instrument :
MSVOA_D
ClientSampled :
TP4

Tgt Ion: 75 Resp: 7153
Ion Ratio Lower Upper
75 100
77 1.7 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.208 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070190.D
Acq: 20 Aug 2021 03:45

Tgt Ion: 75 Resp: 7153
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 33.7 50.5#

