

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081621\
 Data File : VD070071.D
 Acq On : 16 Aug 2021 17:17
 Operator : VA/SY
 Sample : M3343-09
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20210591-AMENDED-COM-5

Quant Time: Aug 17 03:57:05 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)

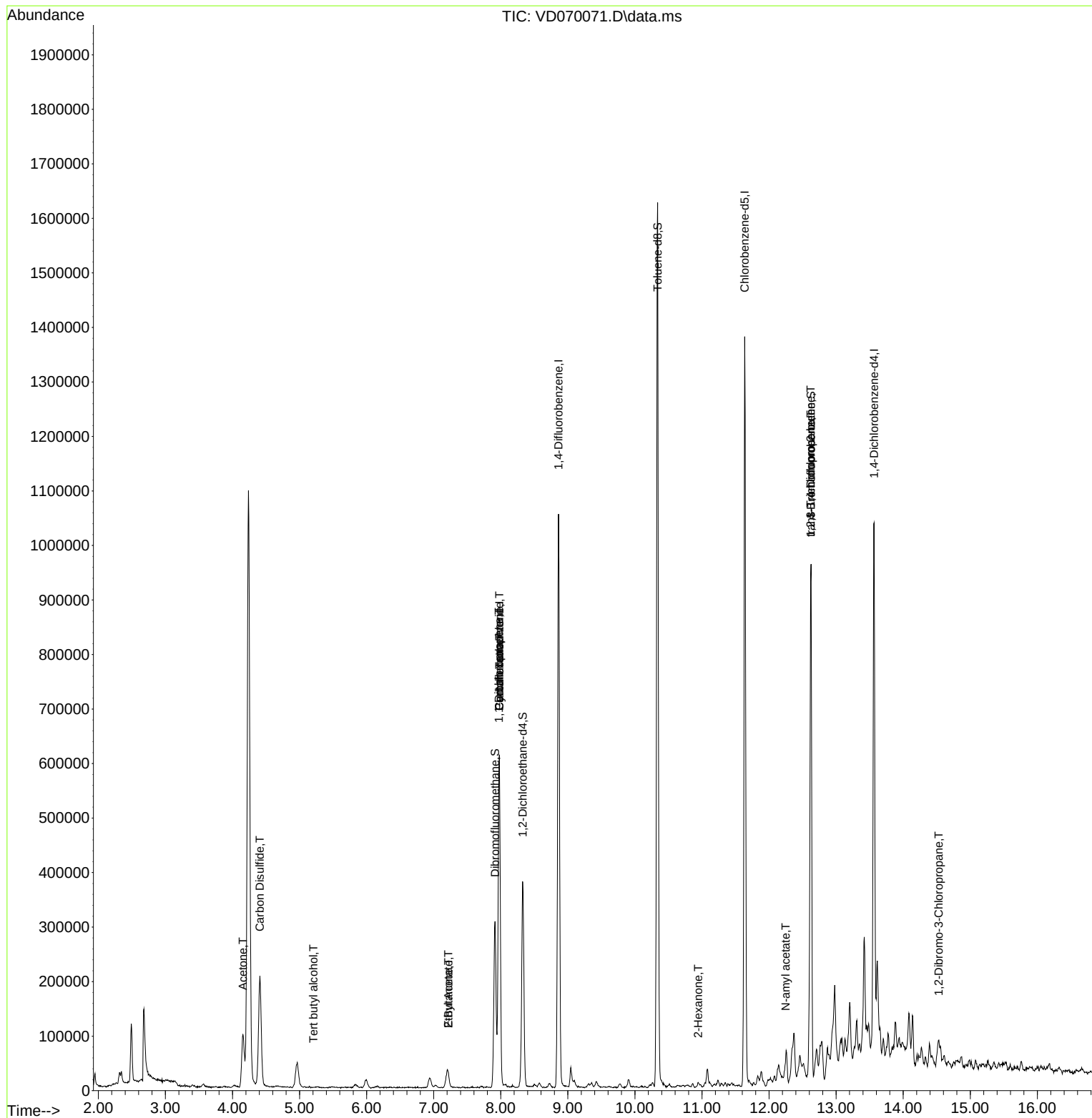
Internal Standards						
1) Pentafluorobenzene	7.979	168	429094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	881175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	784539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	271809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	288531	57.171	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.340%
35) Dibromofluoromethane	7.914	113	225074	39.535	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.080%
50) Toluene-d8	10.338	98	1117886	50.486	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.980%
62) 4-Bromofluorobenzene	12.626	95	337081	46.219	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.979	85	689	Below Cal	#	42
3) Chloromethane	2.209	50	1003	Below Cal		96
5) Bromomethane	2.779	94	2100	Below Cal		84
11) Tert butyl alcohol	5.208	59	404	1.448	ug/l #	71
16) Acetone	4.155	43	174668	187.874	ug/l	97
17) Carbon Disulfide	4.408	76	433749	23.533	ug/l	100
20) Methylene Chloride	4.961	84	36600	Below Cal		95
25) 2-Butanone	7.220	43	34122	26.860	ug/l #	87
31) Cyclohexane	7.979	56	11445	1.146	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	39064	4.121	ug/l #	48
37) Ethyl Acetate	7.220	43	34122	9.910	ug/l #	68
38) Carbon Tetrachloride	7.979	117	46099	5.357	ug/l #	16
59) 2-Hexanone	10.943	43	3571	1.595	ug/l #	21
74) N-amyl acetate	12.249	43	16786	3.928	ug/l #	55
76) 1,2,3-Trichloropropane	12.620	75	162999	59.132	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	162999	153.486	ug/l #	19
92) 1,2-Dibromo-3-Chloropr...	14.531	75	6762	11.447	ug/l #	8

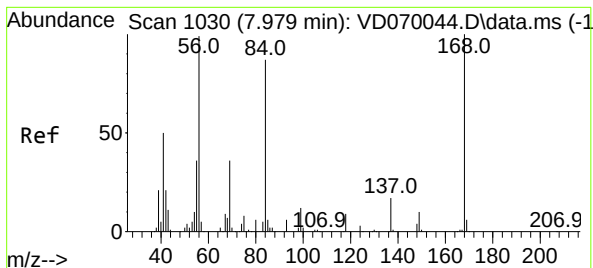
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

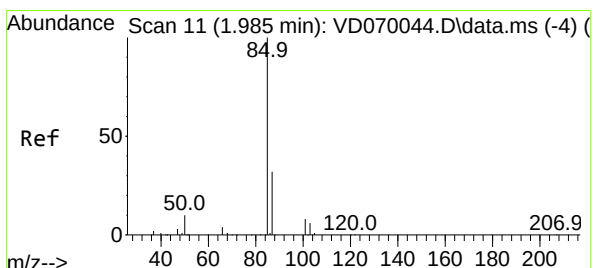
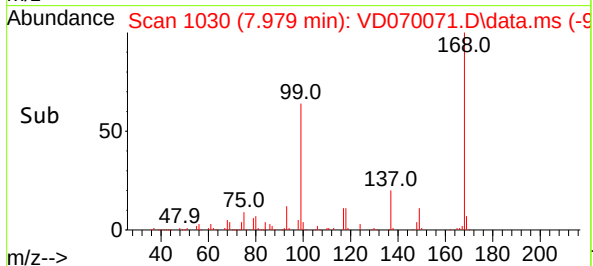
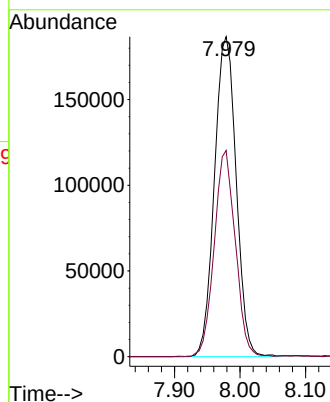
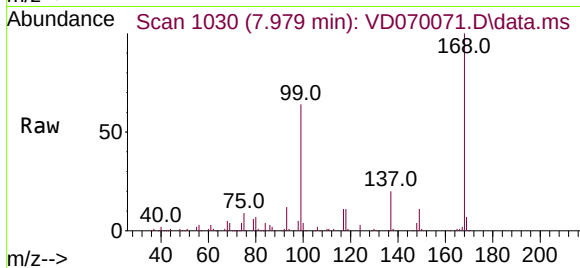
Lab File: VD070071.D

Acq: 16 Aug 2021 17:17

Tgt Ion:168 Resp: 429094

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
168	100		
99	64.3	50.3	75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.979 min Scan# 10

Delta R.T. -0.006 min

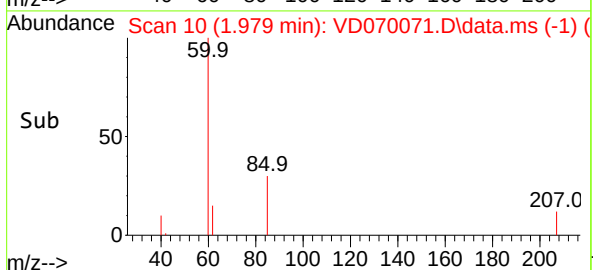
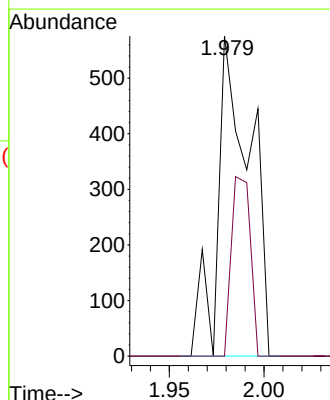
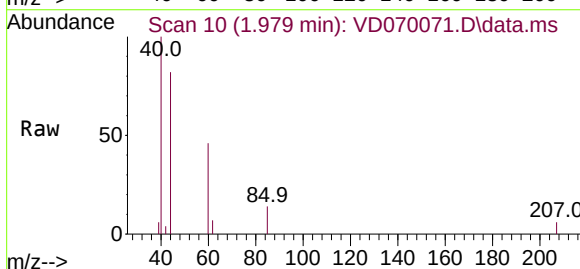
Lab File: VD070071.D

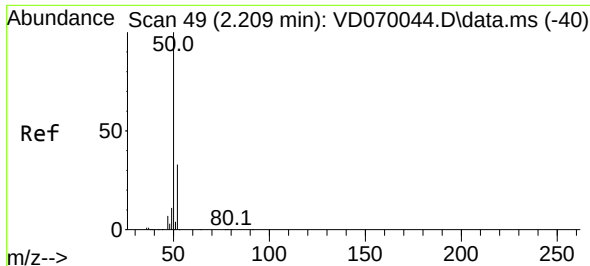
Acq: 16 Aug 2021 17:17

Tgt Ion: 85 Resp: 689

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
85	100		
87	0.0	16.2	48.6

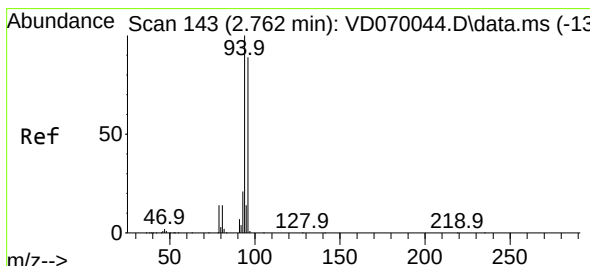
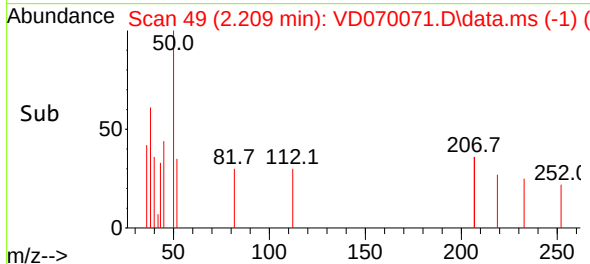
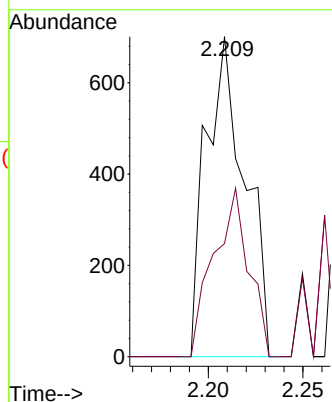
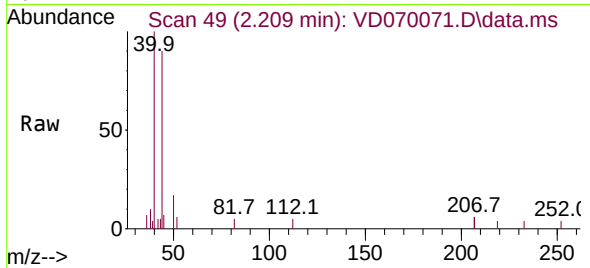




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

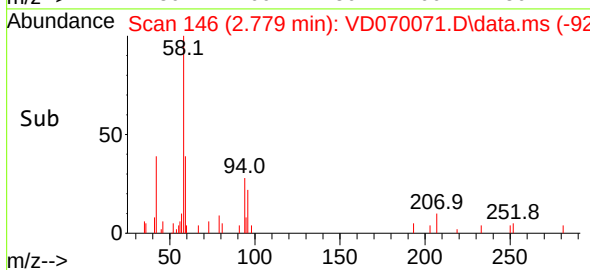
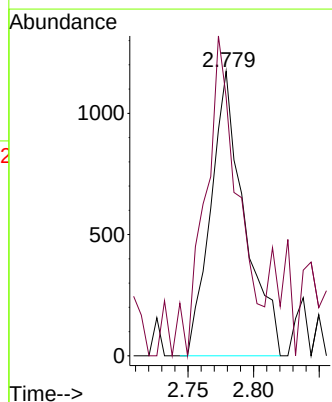
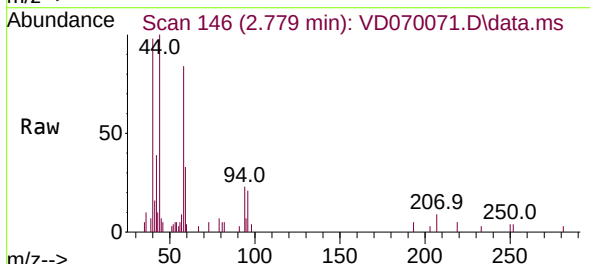
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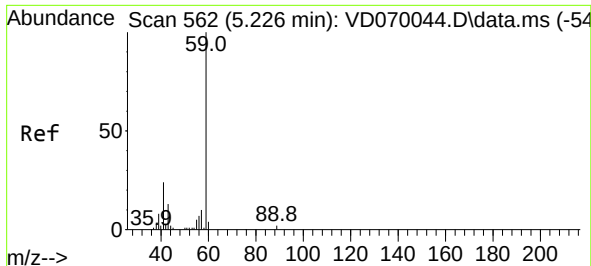
Tgt Ion: 50 Resp: 1003
Ion Ratio Lower Upper
50 100
52 35.4 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

Tgt Ion: 94 Resp: 2100
Ion Ratio Lower Upper
94 100
96 73.6 70.9 106.3



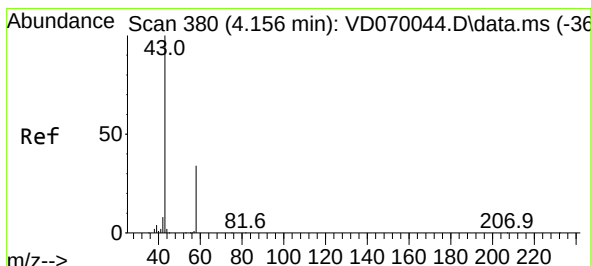
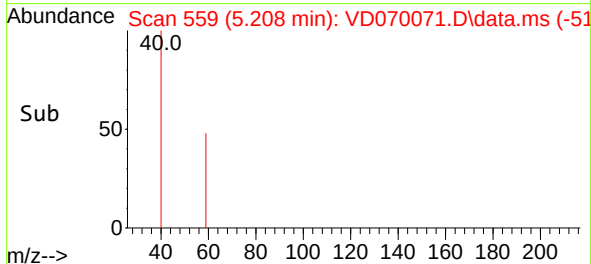
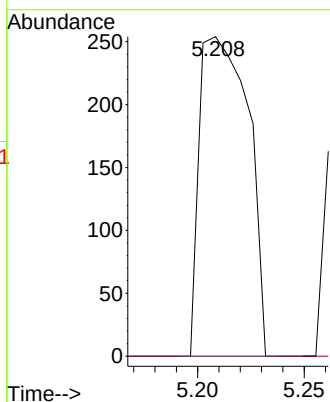
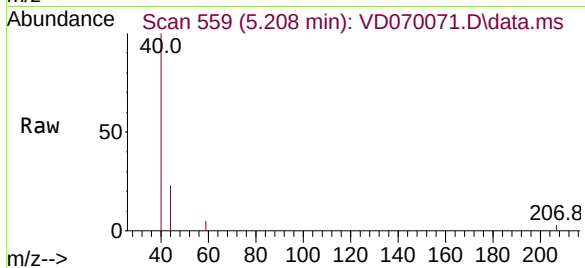


#11

Tert butyl alcohol
Concen: 1.448 ug/l
RT: 5.208 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

Instrument :
MSVOA_D
ClientSampleId :
20210591-AMENDED-COM-5

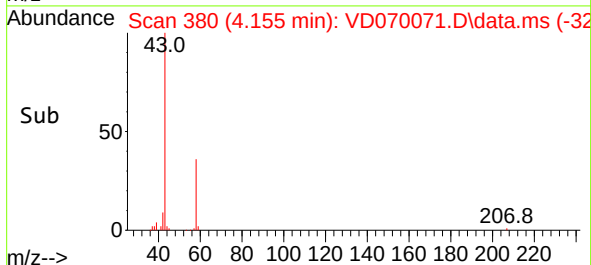
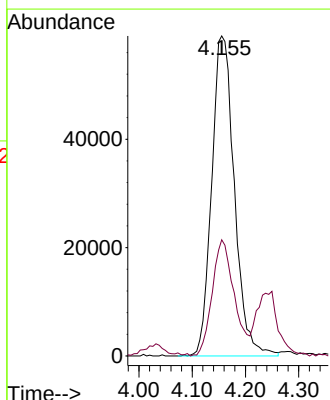
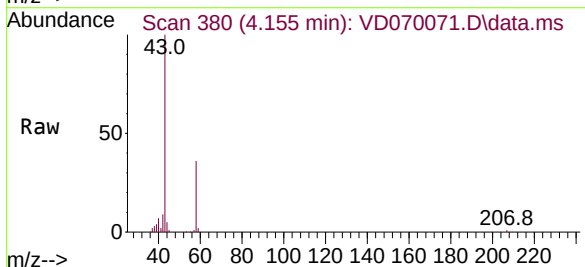
Tgt Ion: 59 Resp: 404
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

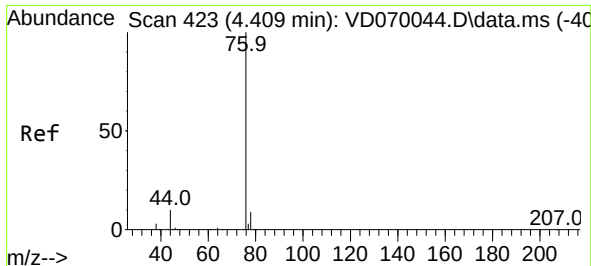


#16

Acetone
Concen: 187.874 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

Tgt Ion: 43 Resp: 174668
Ion Ratio Lower Upper
43 100
58 35.4 26.8 40.2

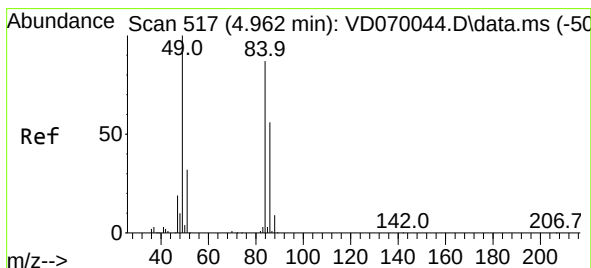
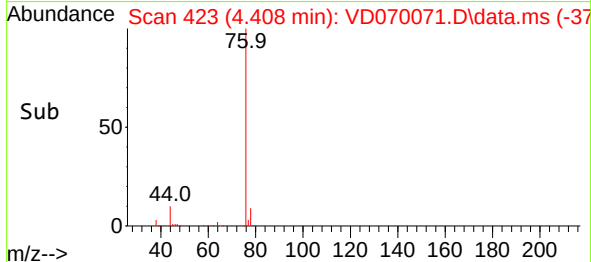
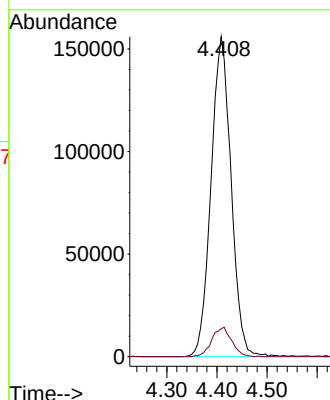
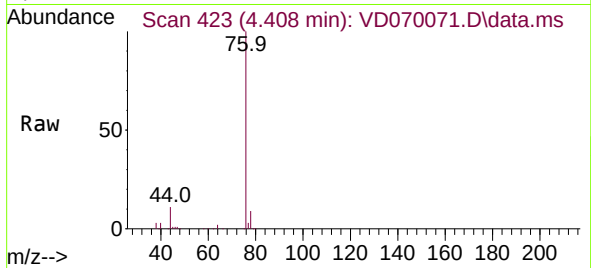




#17
Carbon Disulfide
Concen: 23.533 ug/l
RT: 4.408 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

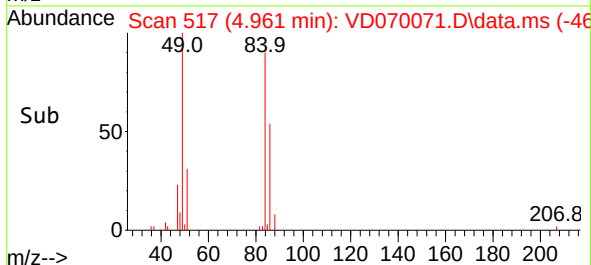
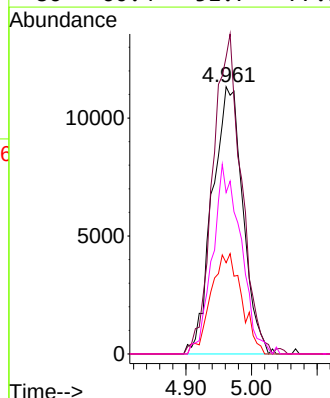
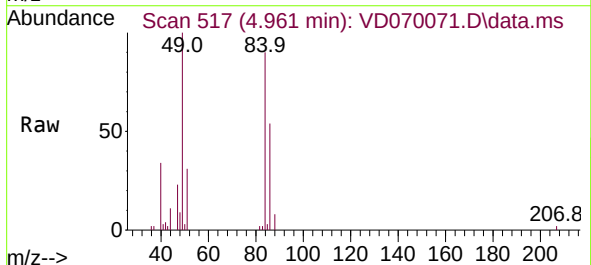
Instrument :
MSVOA_D
ClientSampleId :
20210591-AMENDED-COM-5

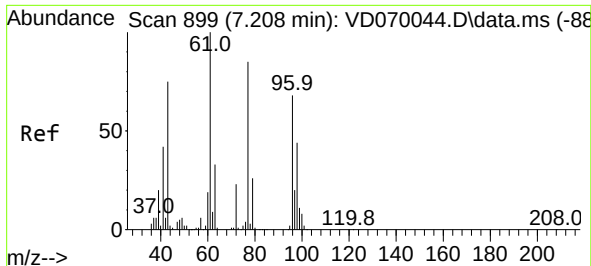
Tgt Ion: 76 Resp: 433749
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

Tgt Ion: 84 Resp: 36600
Ion Ratio Lower Upper
84 100
49 111.1 92.5 138.7
51 34.1 29.7 44.5
86 60.4 51.7 77.5

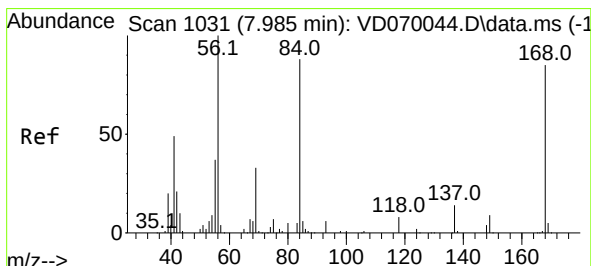
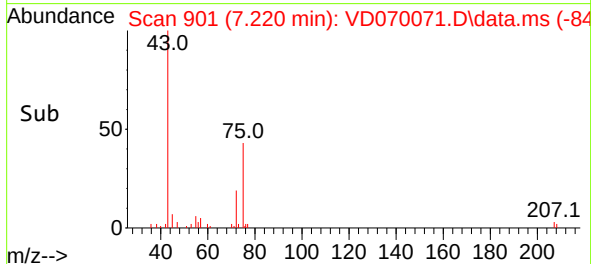
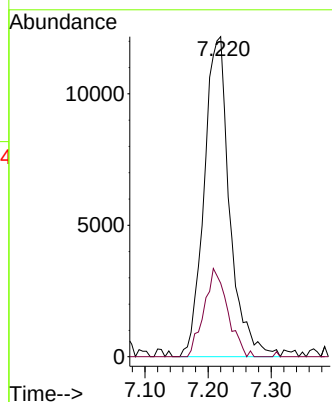
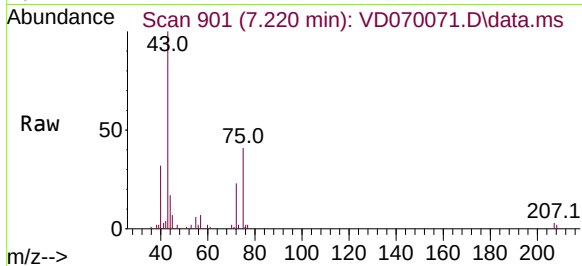




#25
2-Butanone
Concen: 26.860 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

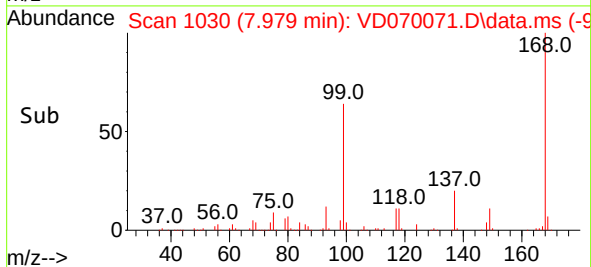
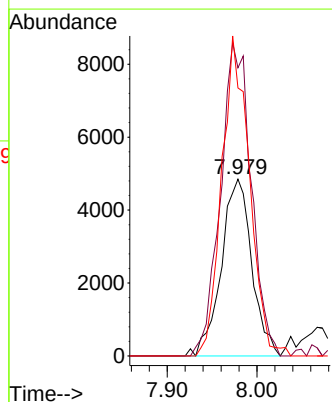
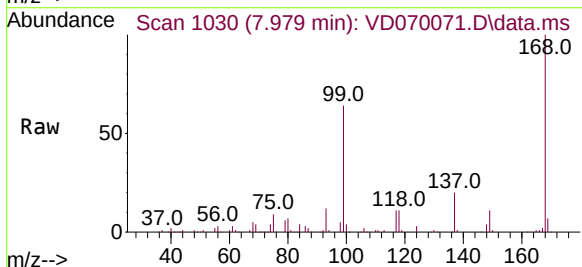
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MSVOA_D
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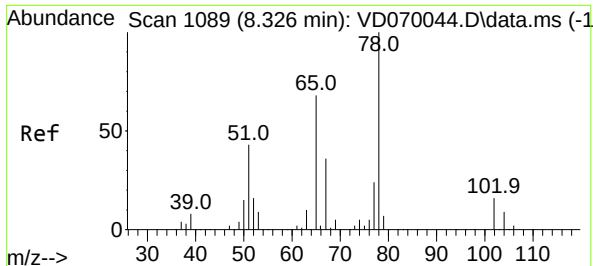
Tgt Ion: 43 Resp: 34122
Ion Ratio Lower Upper
43 100
72 23.0 24.2 36.4#



#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

Tgt Ion: 56 Resp: 11445
Ion Ratio Lower Upper
56 100
69 163.0 26.7 40.1#
84 151.6 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 57.171 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD070071.D

Acq: 16 Aug 2021 17:17

Tgt Ion: 65 Resp: 288531

Ion Ratio Lower Upper

65 100

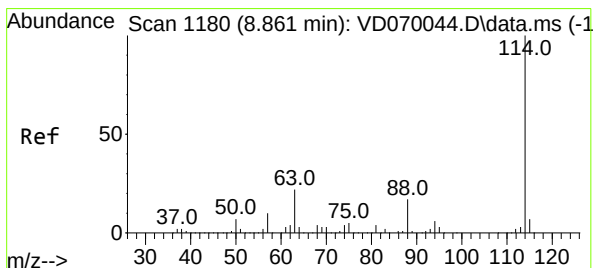
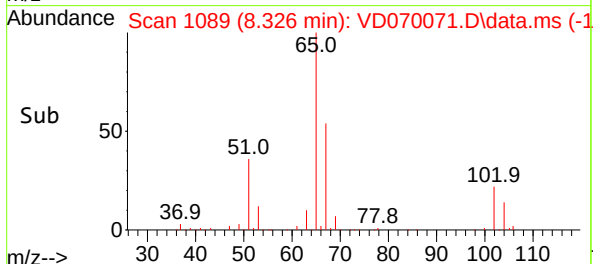
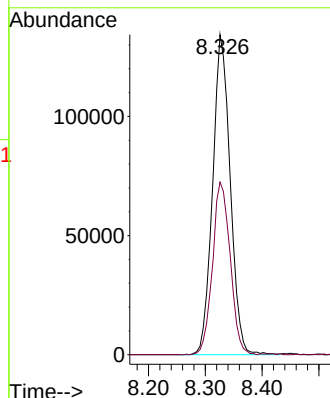
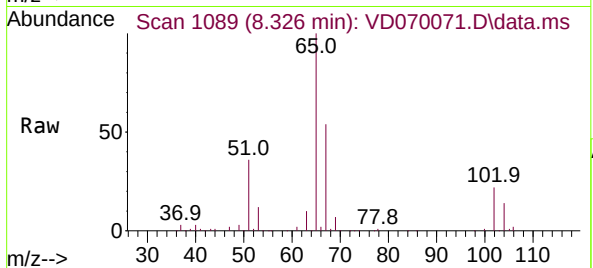
67 54.2 0.0 107.8

Instrument :

MSVOA_D

ClientSampleId :

20210591-AMENDED-COM-5



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070071.D

Acq: 16 Aug 2021 17:17

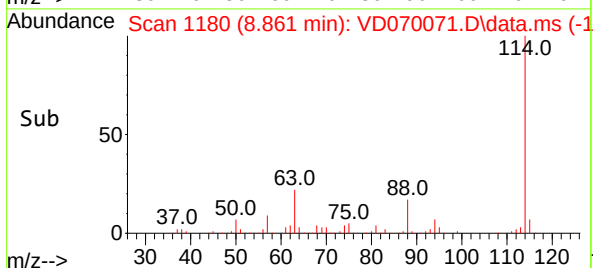
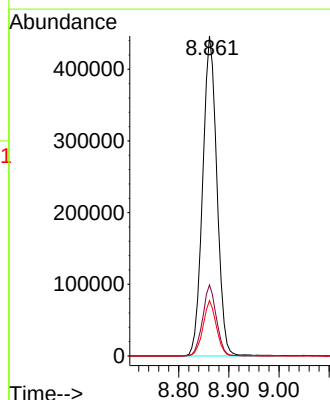
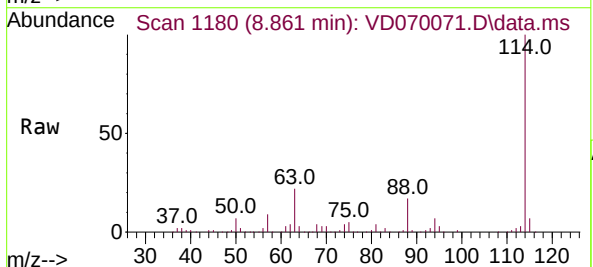
Tgt Ion: 114 Resp: 881175

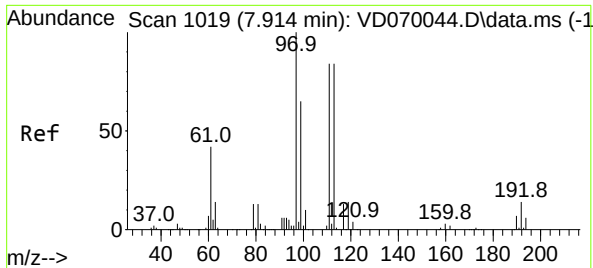
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.6

88 17.3 0.0 33.4

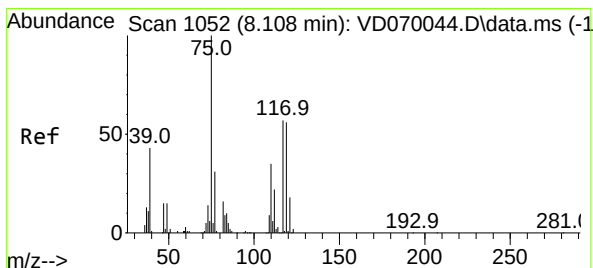
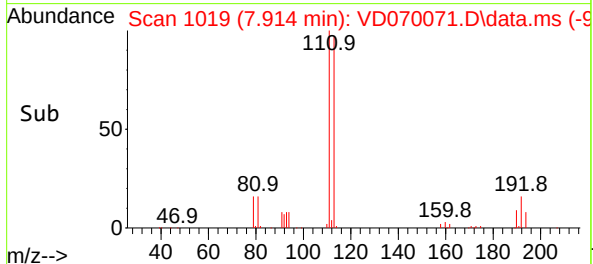
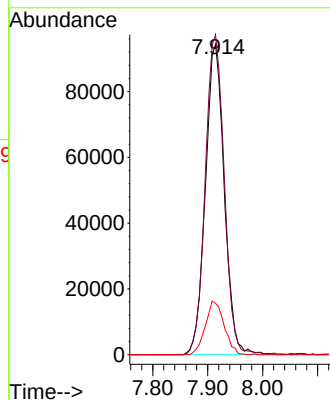
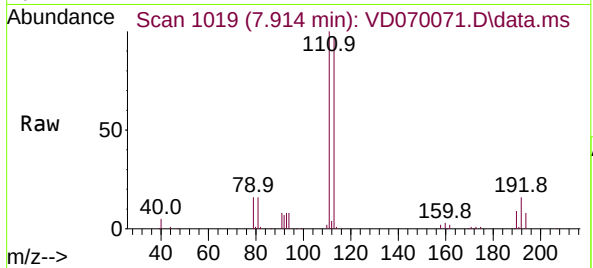




#35
Dibromofluoromethane
Concen: 39.535 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

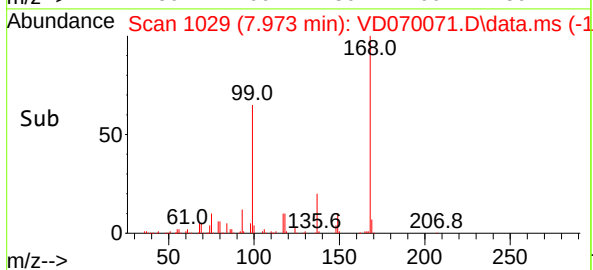
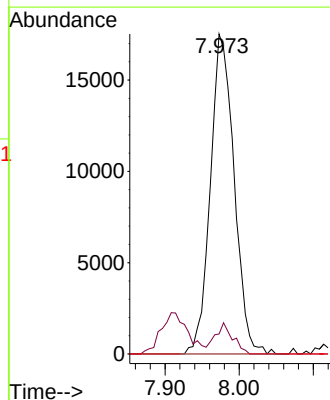
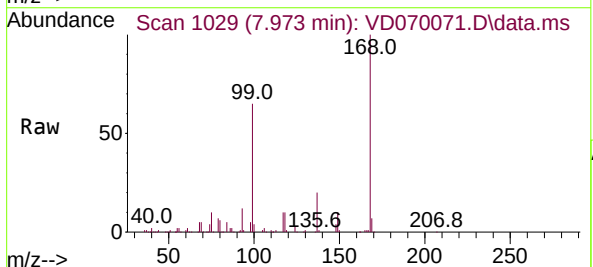
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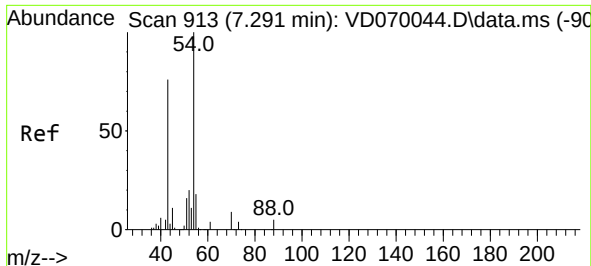
Tgt Ion:	113	Resp:	225074
Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	17.2	13.2	19.8



#36
1,1-Dichloropropene
Concen: 4.121 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

Tgt Ion:	75	Resp:	39064
Ion	Ratio	Lower	Upper
75	100		
110	7.2	16.9	50.7#
77	0.0	25.2	37.8#





#37

Ethyl Acetate

Concen: 9.910 ug/l

RT: 7.220 min Scan# 901

Delta R.T. -0.071 min

Lab File: VD070071.D

Acq: 16 Aug 2021 17:17

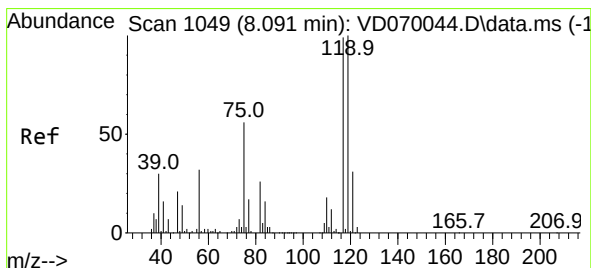
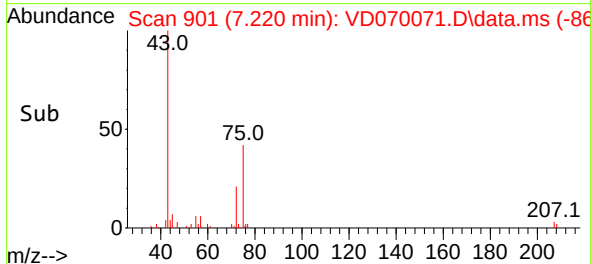
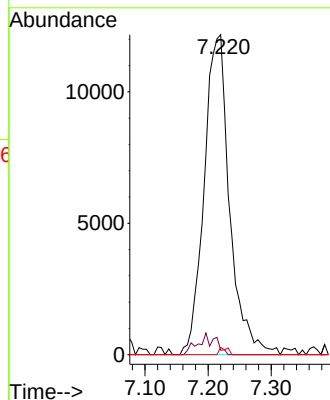
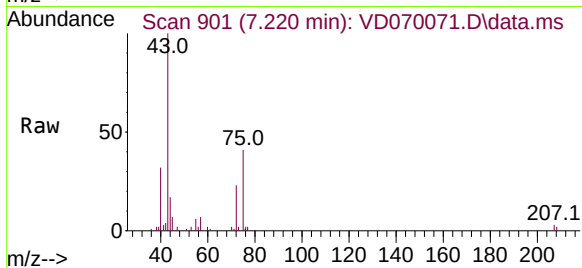
Tgt Ion:	43	Resp:	34122
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.7	9.0	13.6#

Instrument :

MSVOA_D

ClientSampleId :

20210591-AMENDED-COM-5



#38

Carbon Tetrachloride

Concen: 5.357 ug/l

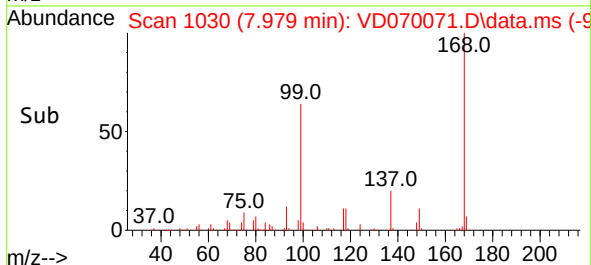
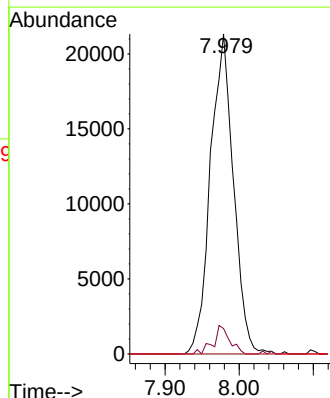
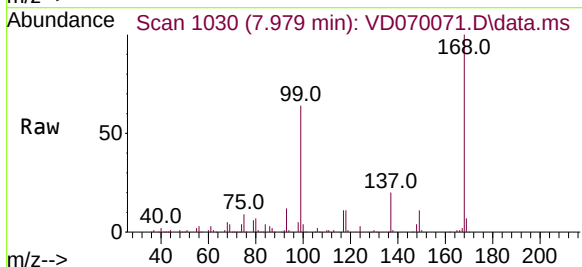
RT: 7.979 min Scan# 1030

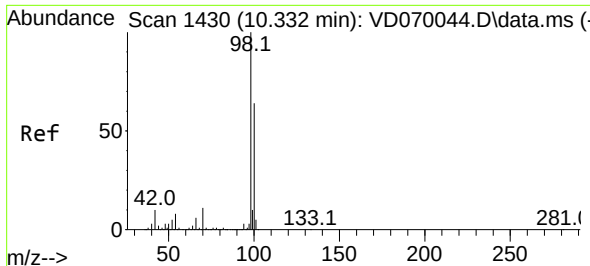
Delta R.T. -0.112 min

Lab File: VD070071.D

Acq: 16 Aug 2021 17:17

Tgt Ion:	117	Resp:	46099
Ion	Ratio	Lower	Upper
117	100		
119	7.9	81.0	121.6#
121	0.0	25.0	37.6#

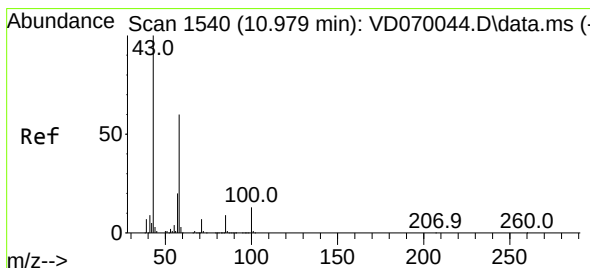
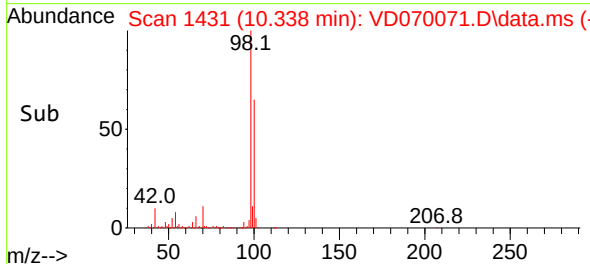
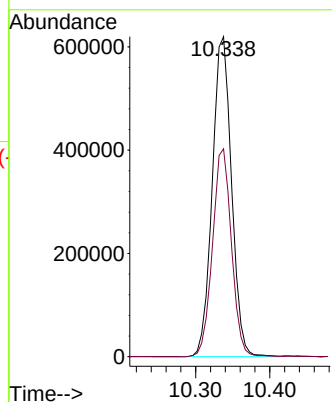
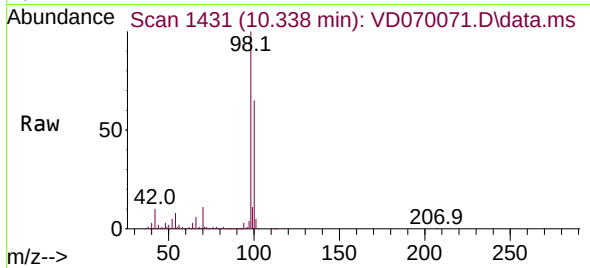




#50
Toluene-d8
Concen: 50.486 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

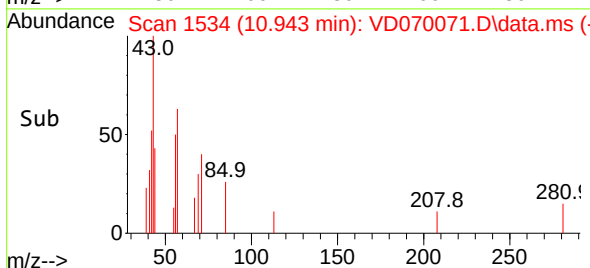
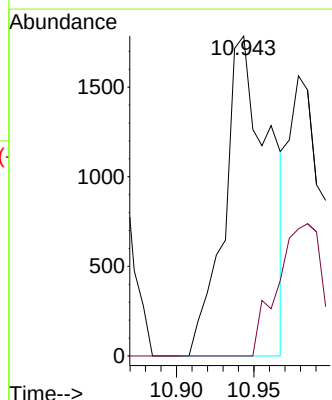
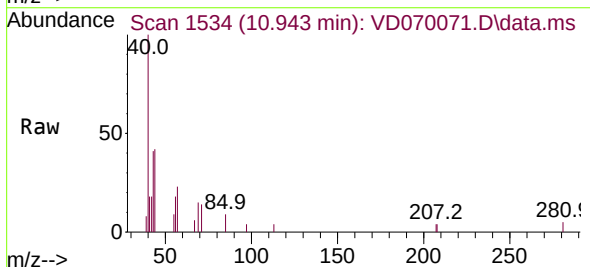
Instrument :
MSVOA_D
ClientSampleId :
20210591-AMENDED-COM-5

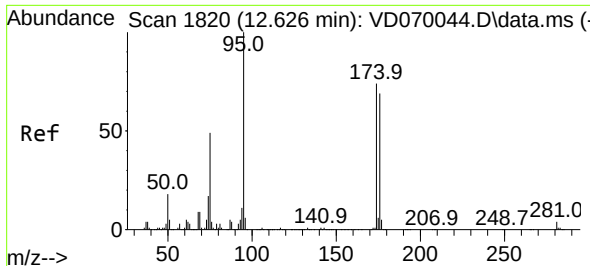
Tgt Ion: 98 Resp: 1117886
Ion Ratio Lower Upper
98 100
100 64.0 52.6 78.8



#59
2-Hexanone
Concen: 1.595 ug/l
RT: 10.943 min Scan# 1534
Delta R.T. -0.036 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

Tgt Ion: 43 Resp: 3571
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.5#

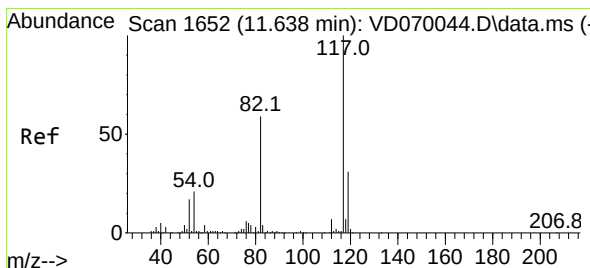
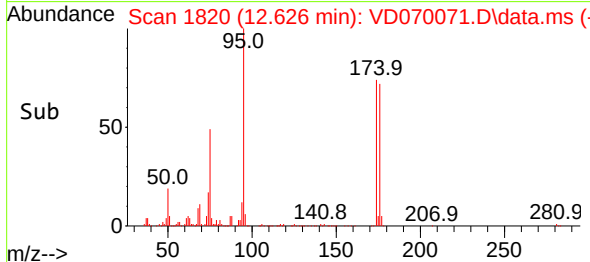
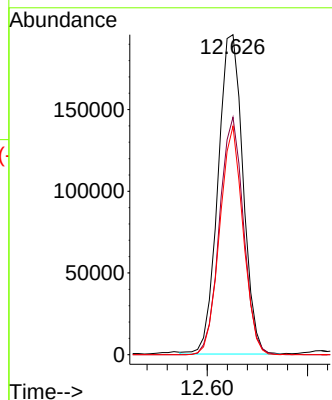
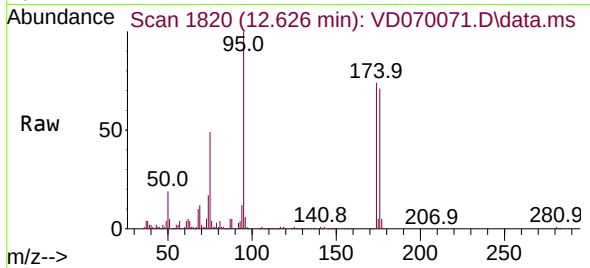




#62
4-Bromofluorobenzene
Concen: 46.219 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

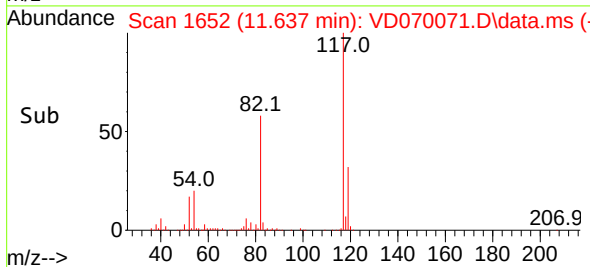
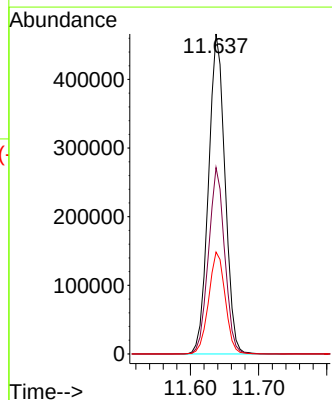
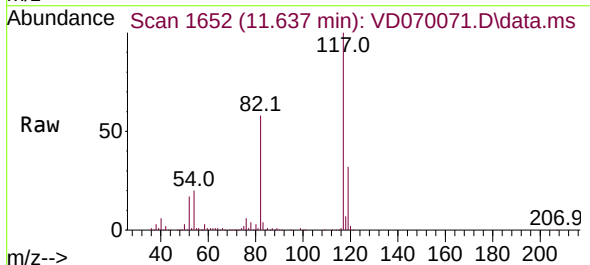
Instrument :
MSVOA_D
ClientSampleId :
20210591-AMENDED-COM-5

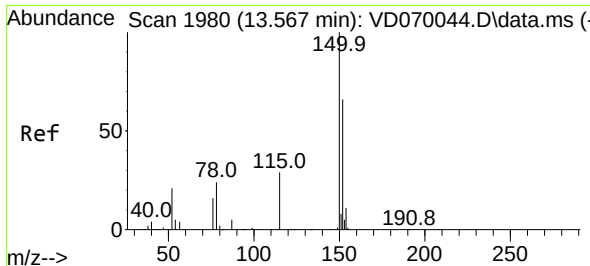
Tgt Ion:	95	Resp:	337081
Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	141.6
176	66.8	0.0	138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

Tgt Ion:	117	Resp:	784539
Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.5	71.3
119	31.9	25.1	37.7

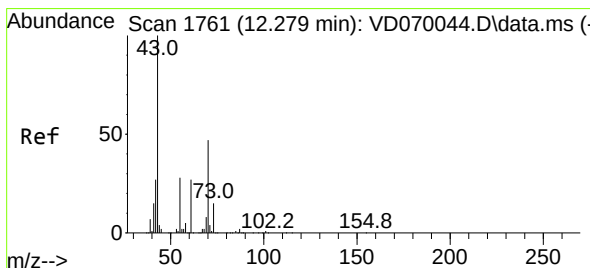
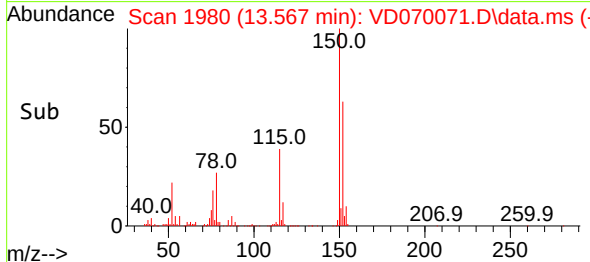
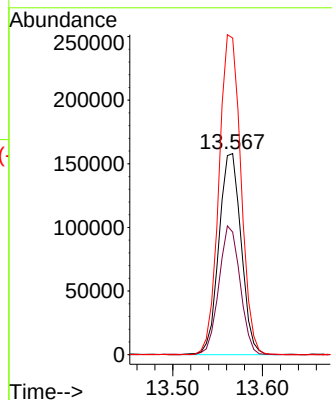
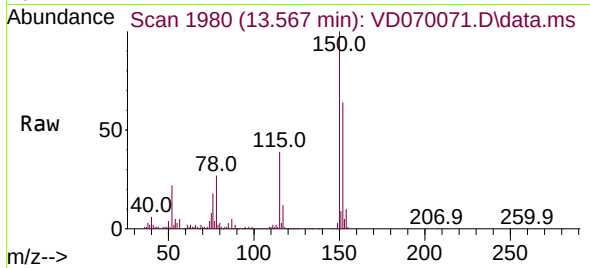




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

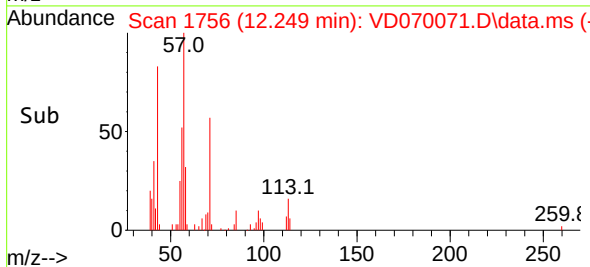
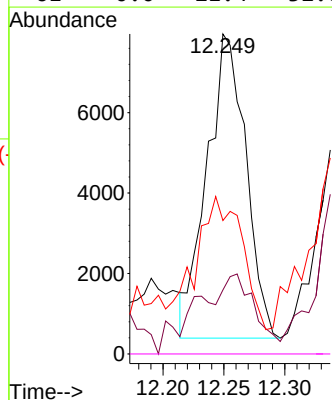
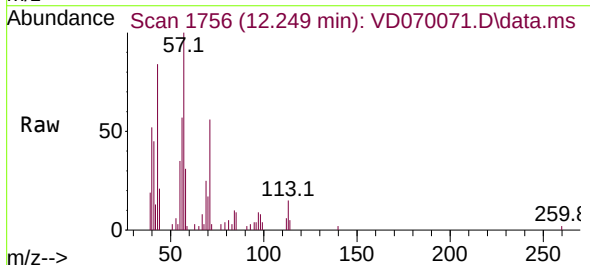
Instrument :
MSVOA_D
ClientSampleId :
20210591-AMENDED-COM-5

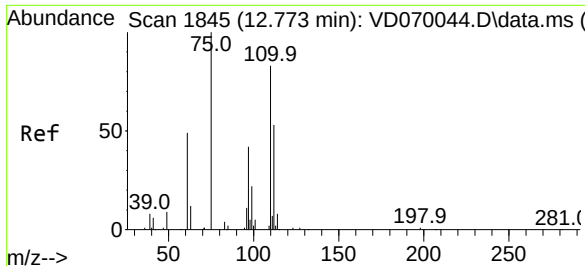
Tgt Ion:152 Resp: 271809
Ion Ratio Lower Upper
152 100
115 61.1 31.2 93.6
150 157.4 0.0 352.0



#74
N-ethyl acetate
Concen: 3.928 ug/l
RT: 12.249 min Scan# 1756
Delta R.T. -0.030 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

Tgt Ion: 43 Resp: 16786
Ion Ratio Lower Upper
43 100
70 18.4 37.2 55.8#
55 52.2 22.9 34.3#
61 0.0 21.4 32.0#

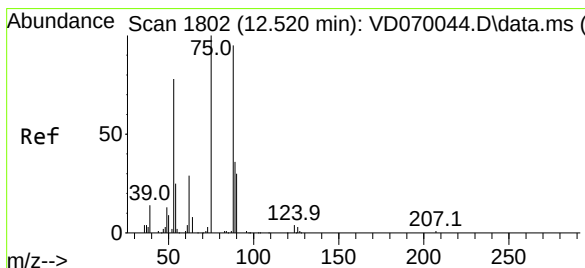
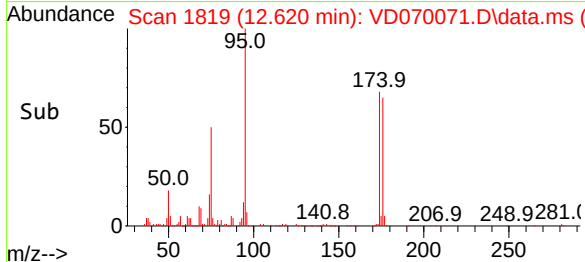
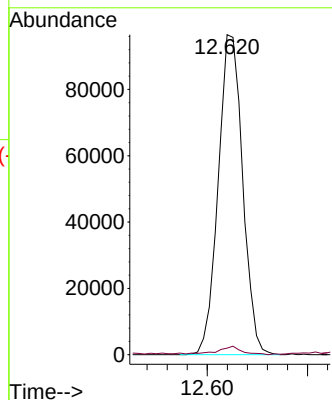
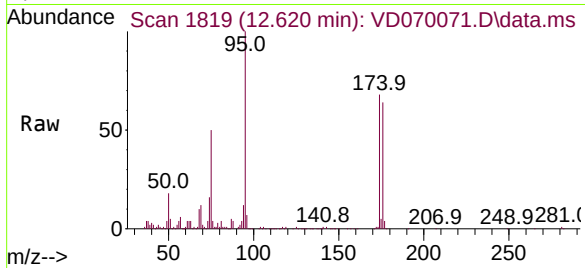




#76
1,2,3-Trichloropropane
Concen: 59.132 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

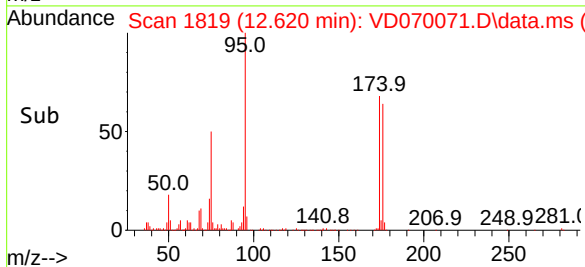
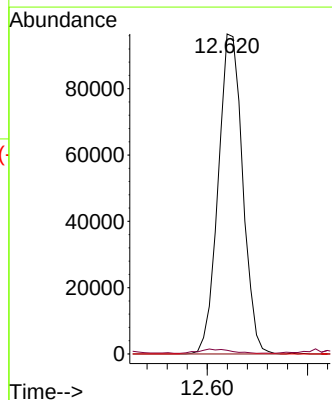
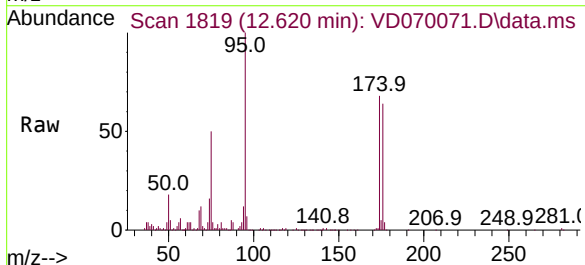
Instrument :
MSVOA_D
ClientSampleId :
20210591-AMENDED-COM-5

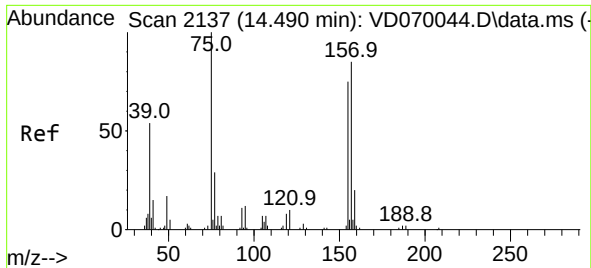
Tgt Ion: 75 Resp: 162999
Ion Ratio Lower Upper
75 100
77 2.6 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 153.486 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070071.D
Acq: 16 Aug 2021 17:17

Tgt Ion: 75 Resp: 162999
Ion Ratio Lower Upper
75 100
53 1.7 64.5 96.7#
89 0.0 33.7 50.5#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.447 ug/l
 RT: 14.531 min Scan# 2144
 Delta R.T. 0.041 min
 Lab File: VD070071.D
 Acq: 16 Aug 2021 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 20210591-AMENDED-COM-5

Tgt Ion: 75 Resp: 6762
 Ion Ratio Lower Upper
 75 100
 155 1.2 35.3 105.9#
 157 0.0 46.8 140.3#

