

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081122\
 Data File : VD074047.D
 Acq On : 11 Aug 2022 17:50
 Operator : VA/SY
 Sample : N4130-01RE
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB02RE

Quant Time: Aug 12 01:18:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 14:55:58 2022
 Response via : Initial Calibration

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

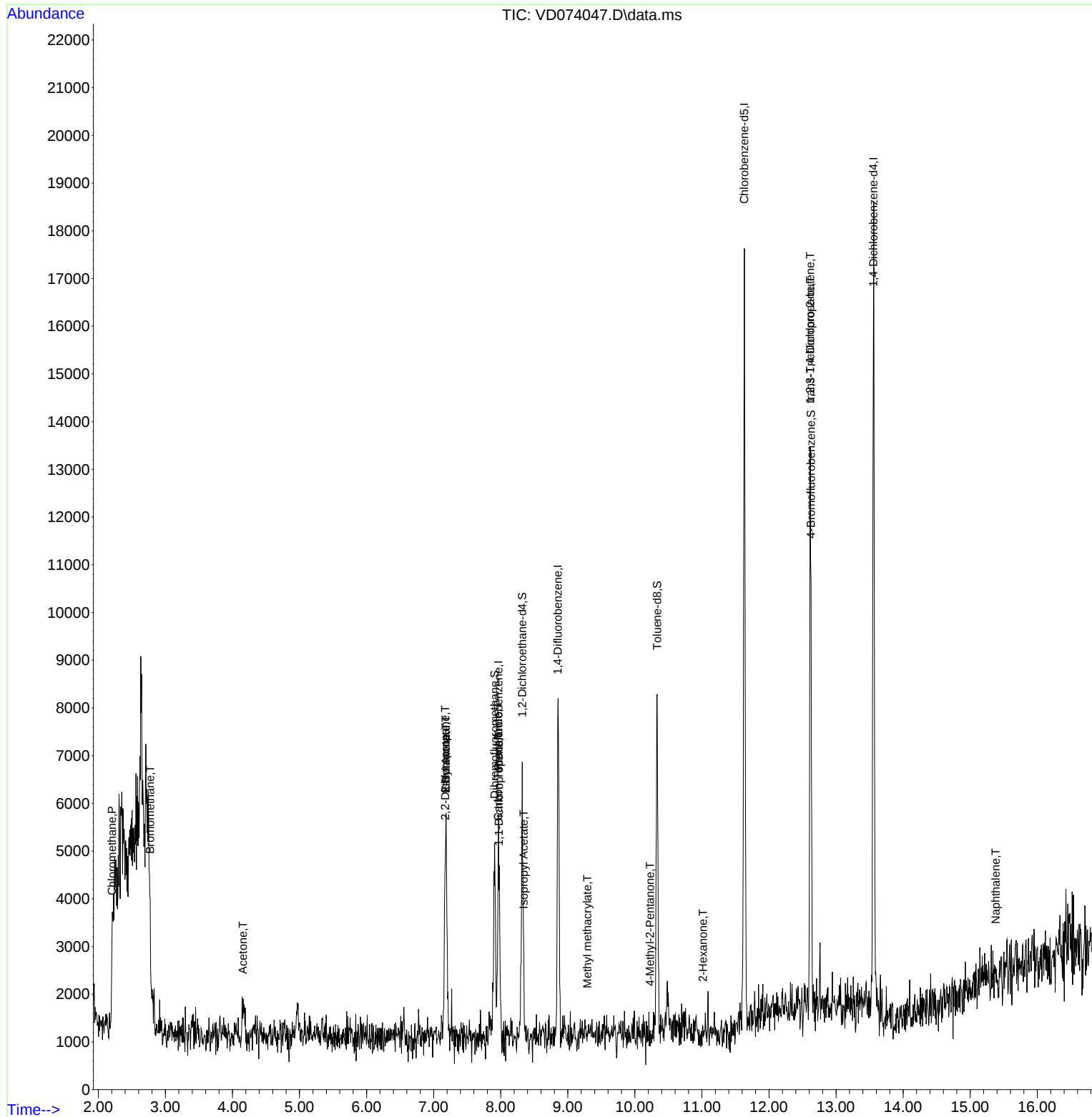
Internal Standards						
1) Pentafluorobenzene	7.967	168	3794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.850	114	6477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	9556	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	4821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	3711	136.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 273.760%#	
35) Dibromofluoromethane	7.909	113	3130	72.758	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 145.520%	
50) Toluene-d8	10.332	98	5319	46.913	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.820%	
62) 4-Bromofluorobenzene	12.626	95	3590	67.860	ug/l	0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	= 135.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	318	1.615	ug/l #	40
5) Bromomethane	2.774	94	649	11.666	ug/l	83
16) Acetone	4.156	43	1193	196.519	ug/l #	46
20) Methylene Chloride	4.938	84	64	Below Cal	#	11
25) 2-Butanone	7.179	43	335	35.287	ug/l #	46
26) 2,2-Dichloropropane	7.173	77	134	1.866	ug/l #	53
36) 1,1-Dichloropropene	7.973	75	125	1.909	ug/l #	41
37) Ethyl Acetate	7.179	43	335	14.378	ug/l #	67
38) Carbon Tetrachloride	7.962	117	552	7.479	ug/l #	13
43) Isopropyl Acetate	8.344	43	53	1.190	ug/l #	50
48) Methyl methacrylate	9.291	41	55	2.589	ug/l #	6
51) 4-Methyl-2-Pentanone	10.226	43	77	3.368	ug/l #	36
59) 2-Hexanone	11.014	43	67	4.371	ug/l #	23
76) 1,2,3-Trichloropropane	12.614	75	2050	46.574	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	2050	124.304	ug/l #	13
95) Naphthalene	15.379	128	173	1.165	ug/l #	69

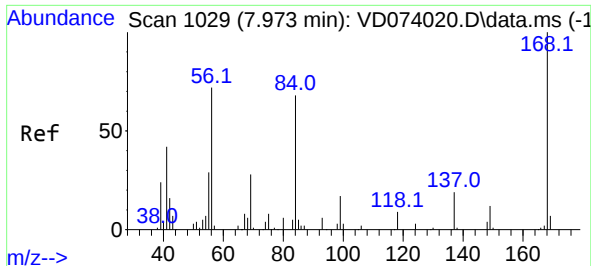
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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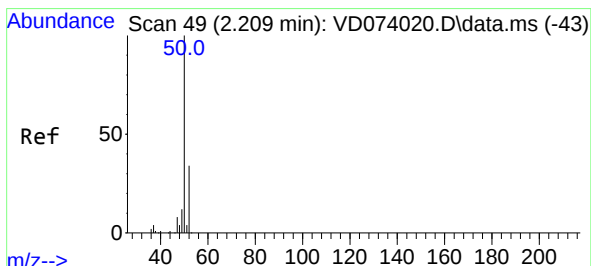
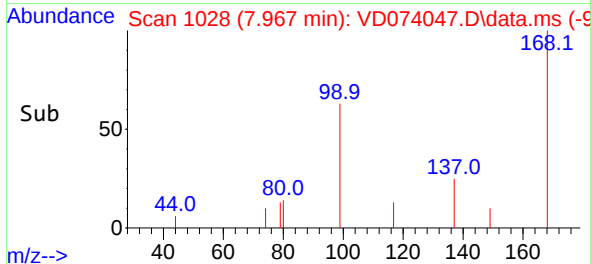
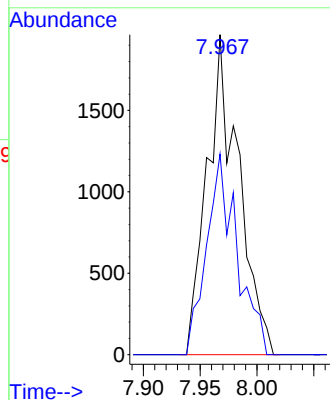
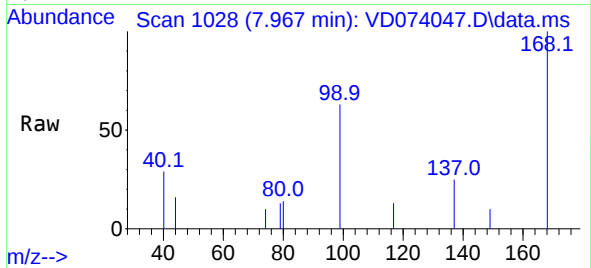




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

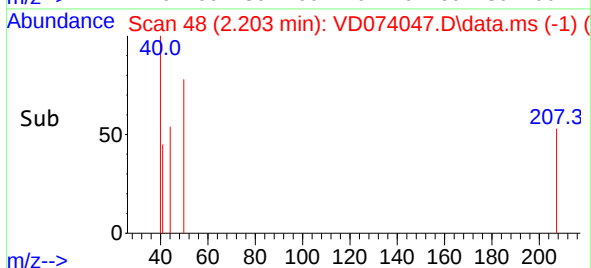
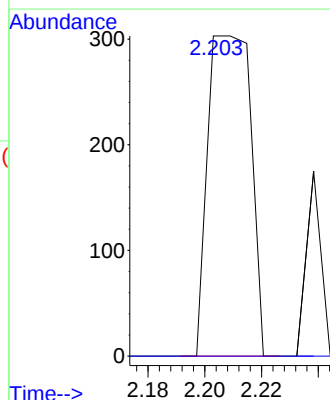
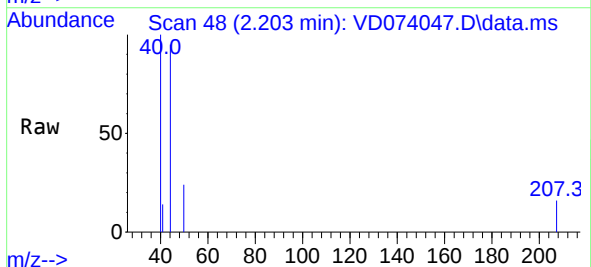
Instrument :
MSVOA_D
ClientSampleId :
SB02RE

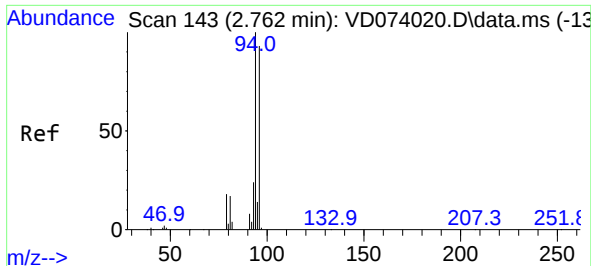
Tgt Ion:168 Resp: 3794
Ion Ratio Lower Upper
168 100
99 62.7 48.3 72.5



#3
Chloromethane
Concen: 1.615 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

Tgt Ion: 50 Resp: 318
Ion Ratio Lower Upper
50 100
52 0.0 28.1 42.1#

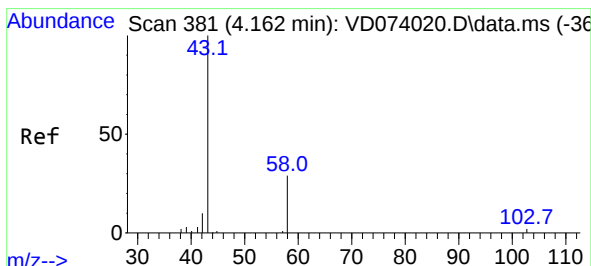
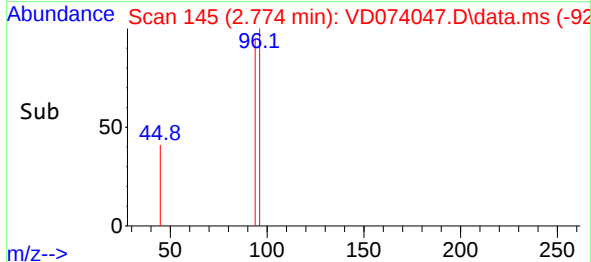
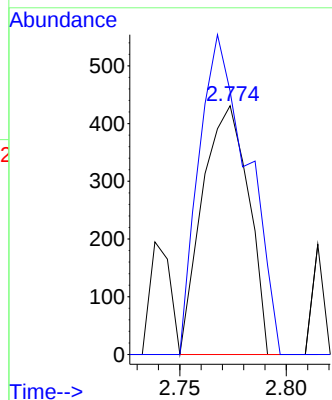
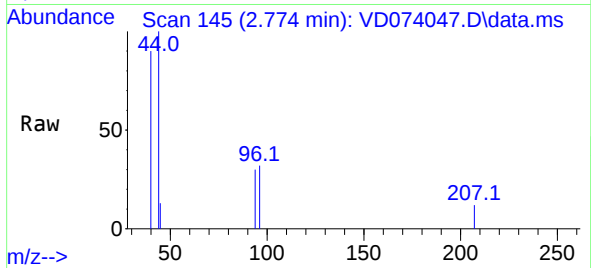




#5
Bromomethane
Concen: 11.666 ug/l
RT: 2.774 min Scan# 14
Delta R.T. 0.012 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

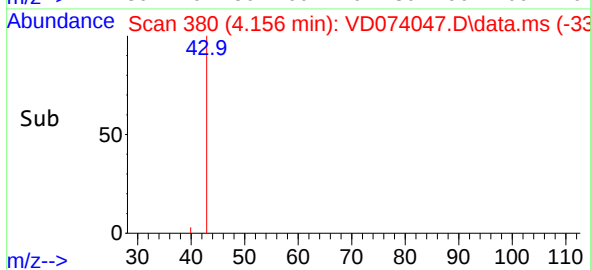
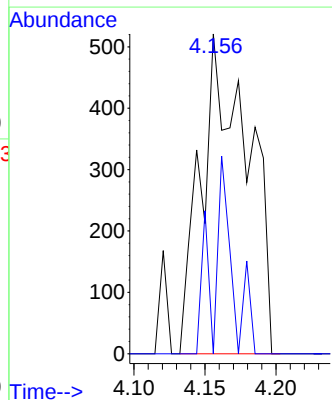
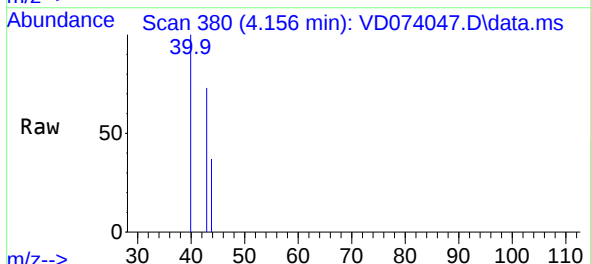
Instrument :
MSVOA_D
ClientSampleId :
SB02RE

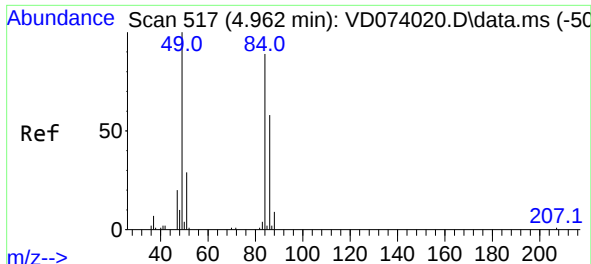
Tgt Ion: 94 Resp: 649
Ion Ratio Lower Upper
94 100
96 105.8 72.0 108.0



#16
Acetone
Concen: 196.519 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

Tgt Ion: 43 Resp: 1193
Ion Ratio Lower Upper
43 100
58 0.0 22.8 34.2#

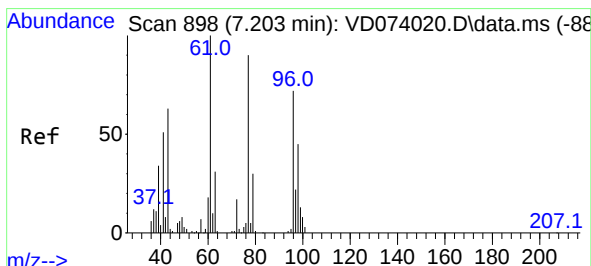
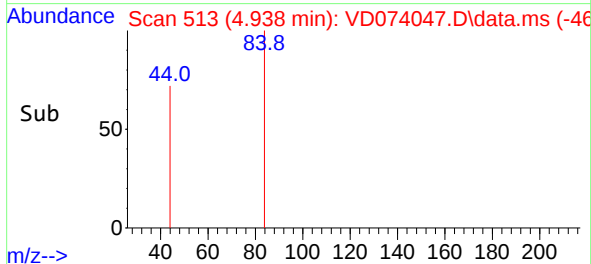
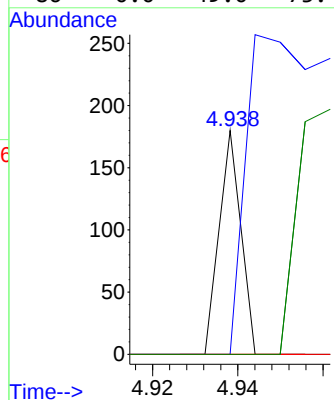
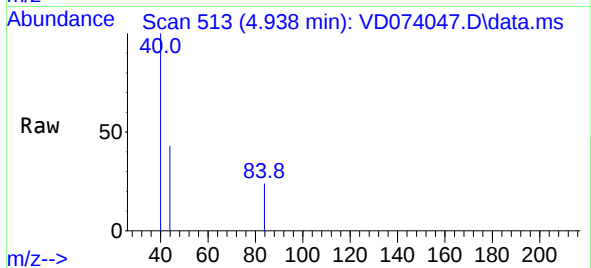




#20
Methylene Chloride
Concen: Below Cal
RT: 4.938 min Scan# 517
Delta R.T. -0.024 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

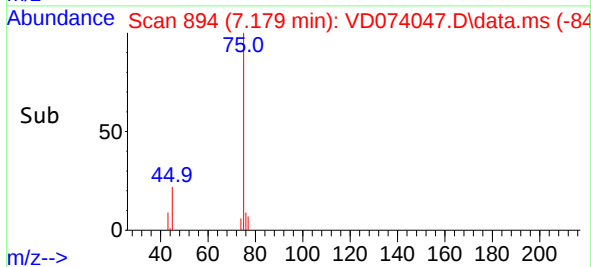
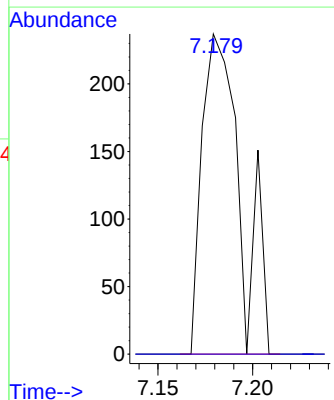
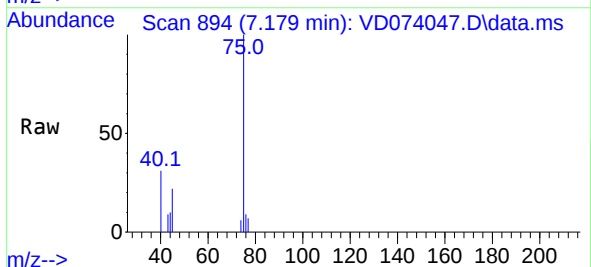
Instrument :
MSVOA_D
ClientSampleId :
SB02RE

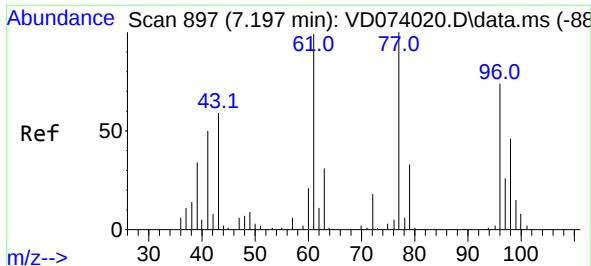
Tgt Ion:	84	Resp:	64
Ion	Ratio	Lower	Upper
84	100		
49	0.0	85.8	128.6#
51	0.0	28.0	42.0#
86	0.0	49.0	73.4#



#25
2-Butanone
Concen: 35.287 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.024 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

Tgt Ion:	43	Resp:	335
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.0	34.6#





#26

2,2-Dichloropropane

Concen: 1.866 ug/l

RT: 7.173 min Scan# 897

Delta R.T. -0.024 min

Lab File: VD074047.D

Acq: 11 Aug 2022 17:50

Instrument :

MSVOA_D

ClientSampleId :

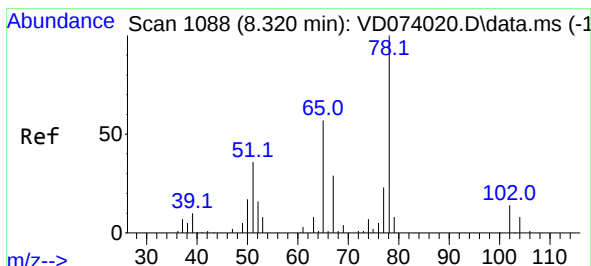
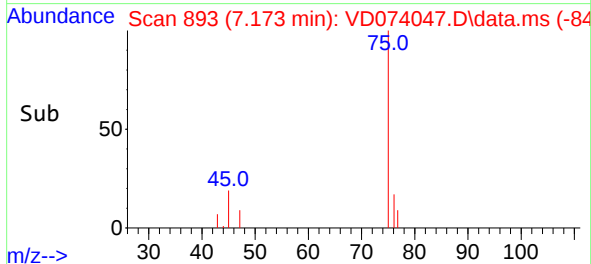
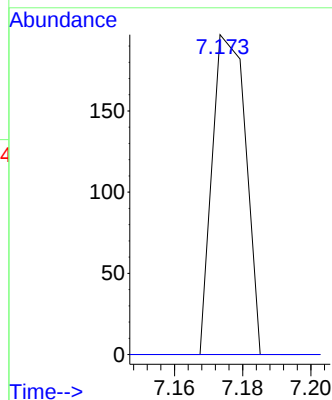
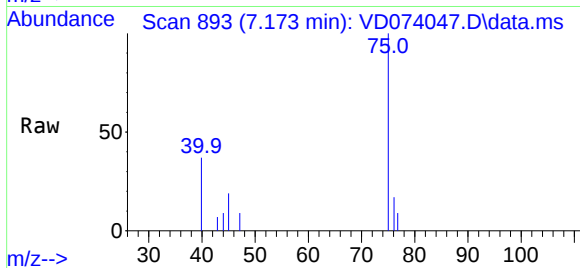
SB02RE

Tgt Ion: 77 Resp: 134

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



#33

1,2-Dichloroethane-d4

Concen: 136.885 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD074047.D

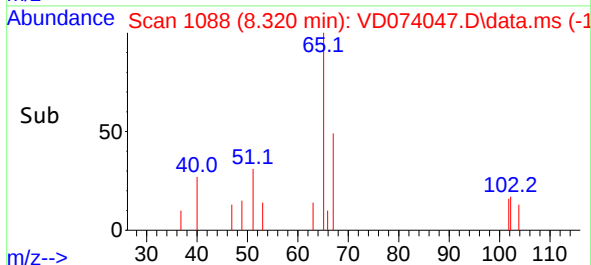
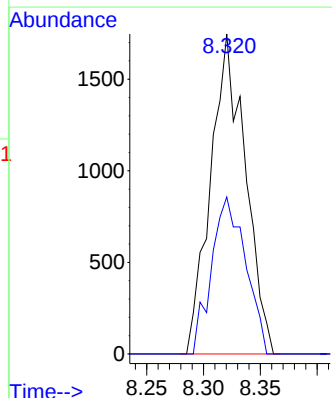
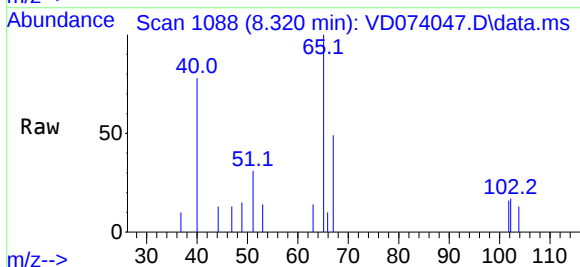
Acq: 11 Aug 2022 17:50

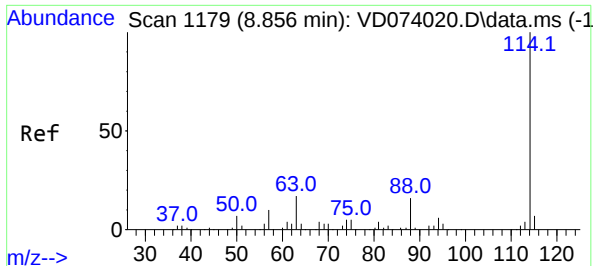
Tgt Ion: 65 Resp: 3711

Ion Ratio Lower Upper

65 100

67 48.2 0.0 113.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.850 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD074047.D

Acq: 11 Aug 2022 17:50

Instrument :

MSVOA_D

ClientSampleId :

SB02RE

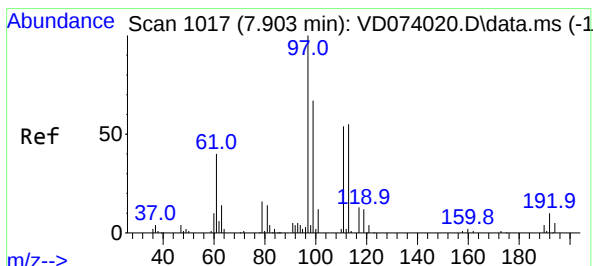
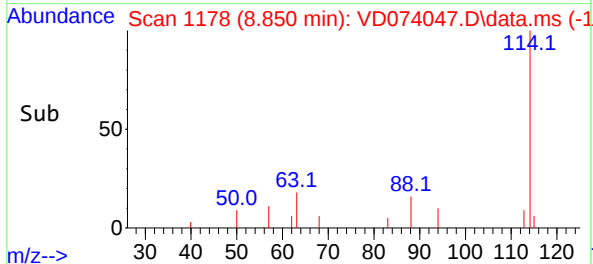
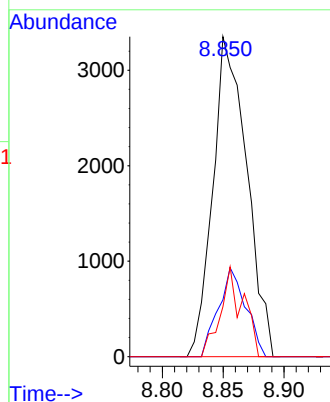
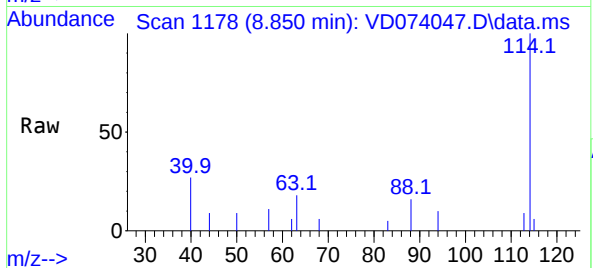
Tgt Ion:114 Resp: 6477

Ion Ratio Lower Upper

114 100

63 17.8 0.0 41.0

88 15.6 0.0 31.6



#35

Dibromofluoromethane

Concen: 72.758 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.006 min

Lab File: VD074047.D

Acq: 11 Aug 2022 17:50

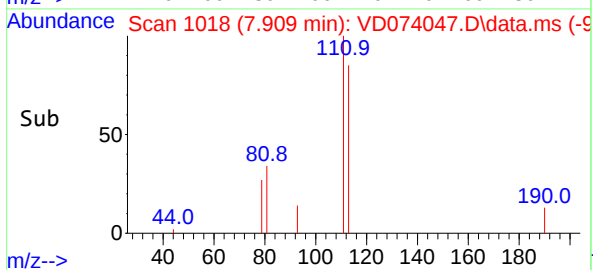
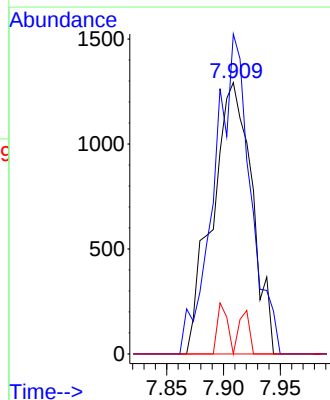
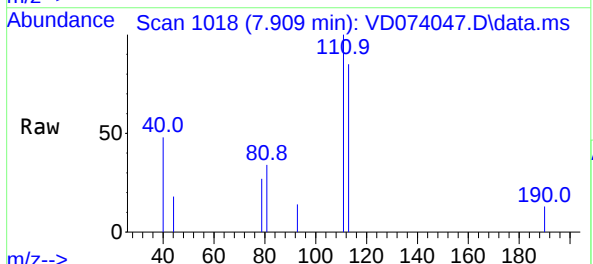
Tgt Ion:113 Resp: 3130

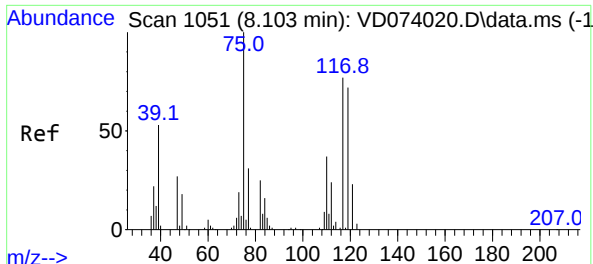
Ion Ratio Lower Upper

113 100

111 107.5 80.0 120.0

192 4.2 14.2 21.4#

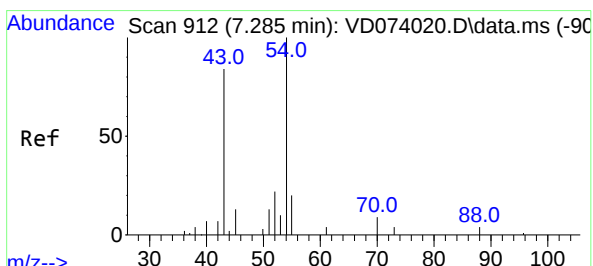
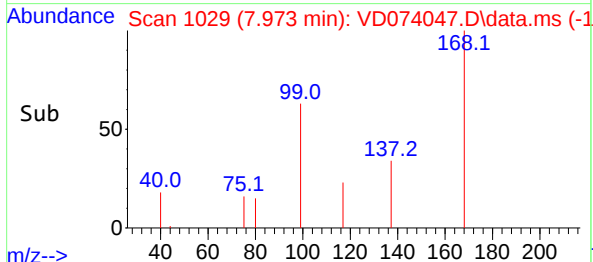
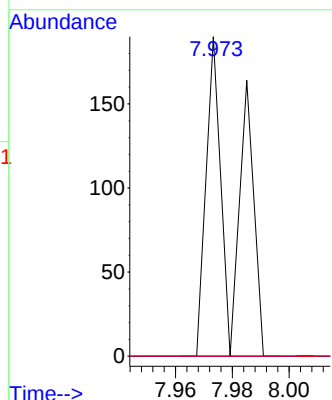
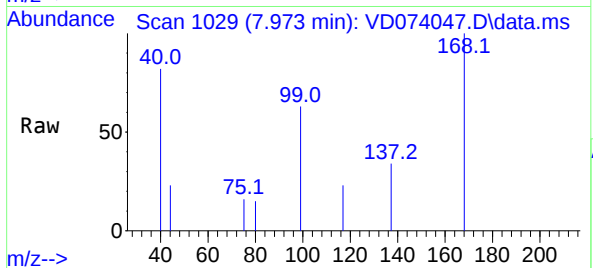




#36
1,1-Dichloropropene
Concen: 1.909 ug/l
RT: 7.973 min Scan# 1051
Delta R.T. -0.130 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

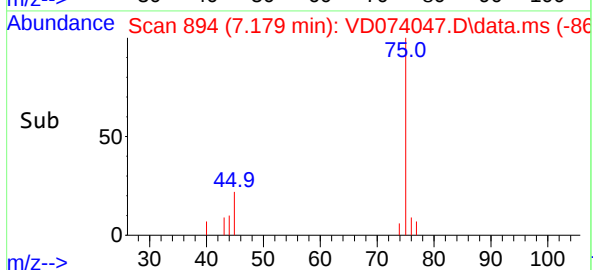
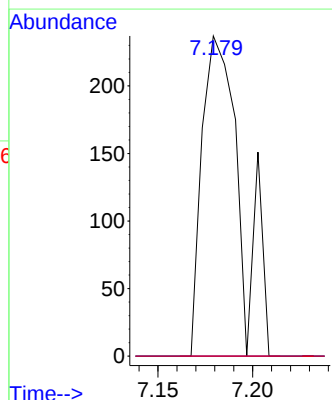
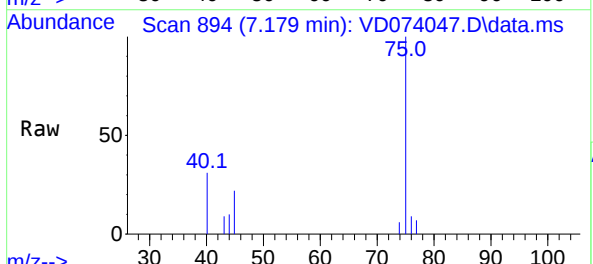
Instrument :
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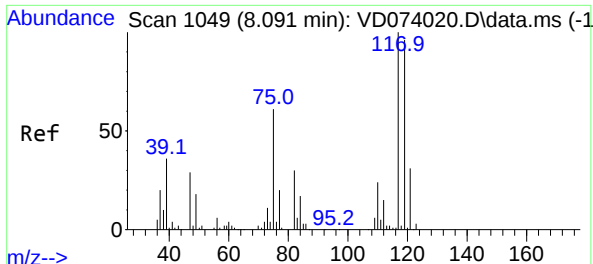
Tgt Ion: 75 Resp: 125
Ion Ratio Lower Upper
75 100
110 0.0 18.4 55.4#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 14.378 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.106 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

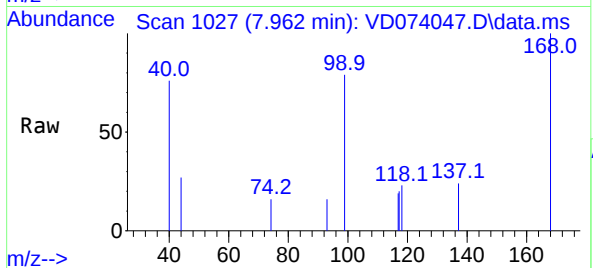
Tgt Ion: 43 Resp: 335
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 10.2 15.2#



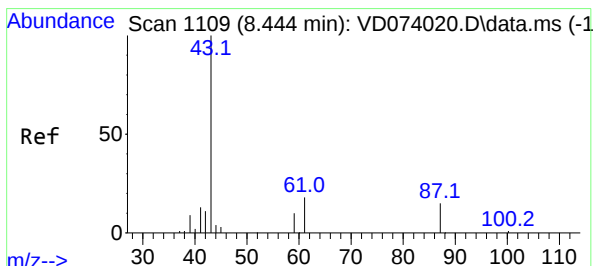
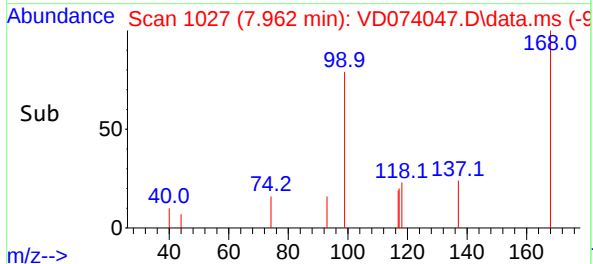
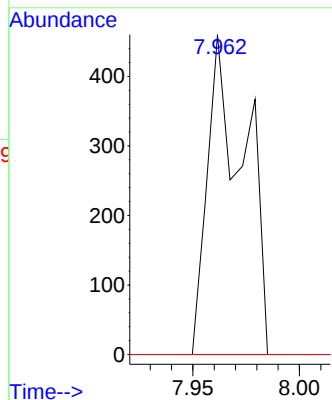


#38
Carbon Tetrachloride
Concen: 7.479 ug/l
RT: 7.962 min Scan# 1092
Delta R.T. -0.129 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

Instrument :
MSVOA_D
ClientSampleId :
SB02RE

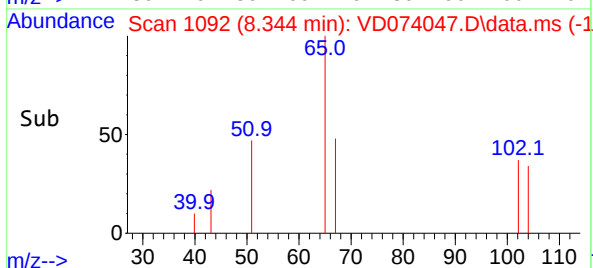
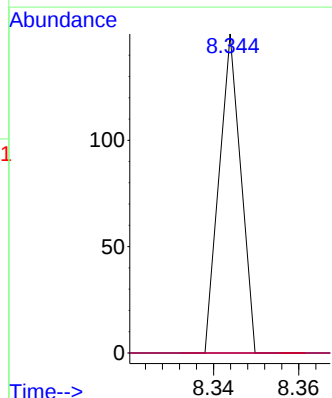
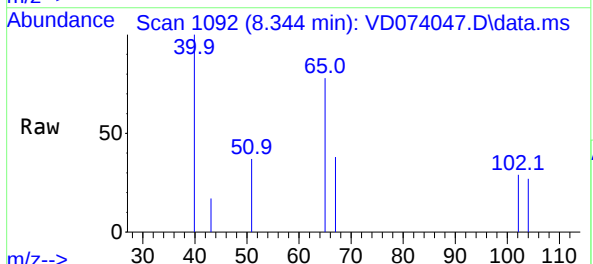


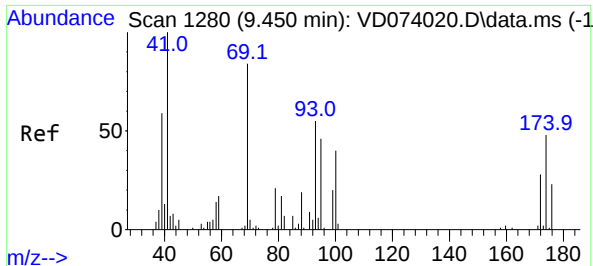
Tgt Ion:117 Resp: 552
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.2#
121 0.0 25.2 37.8#



#43
Isopropyl Acetate
Concen: 1.190 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. -0.100 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
61 0.0 25.3 37.9#
87 0.0 11.4 17.2#

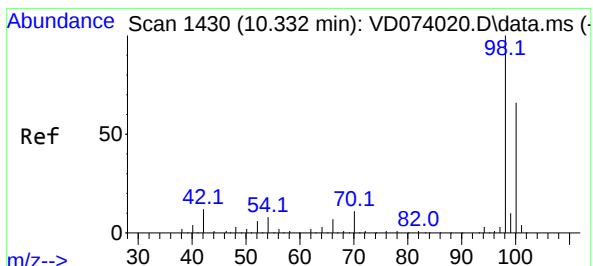
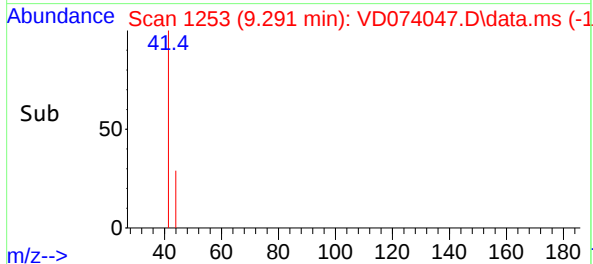
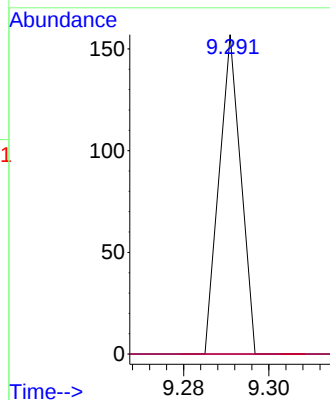
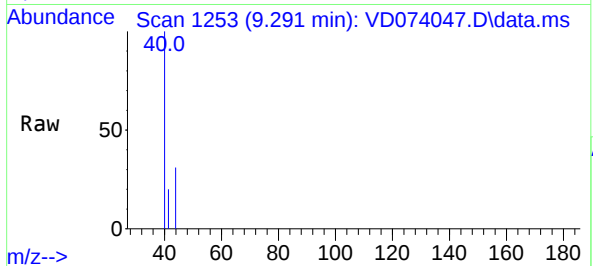




#48
Methyl methacrylate
Concen: 2.589 ug/l
RT: 9.291 min Scan# 11
Delta R.T. -0.159 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

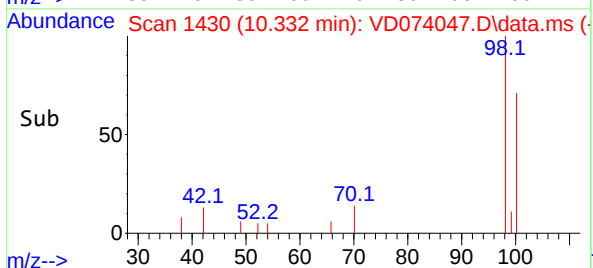
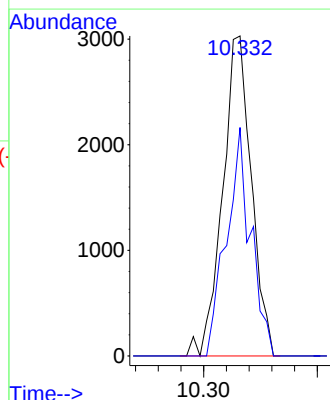
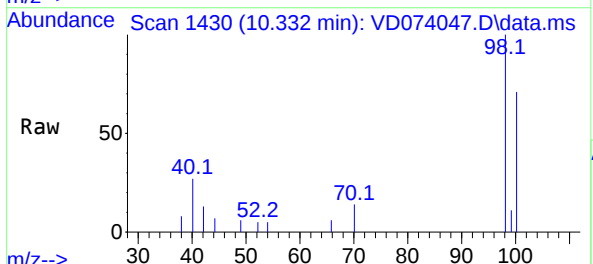
Instrument :
MSVOA_D
ClientSampleId :
SB02RE

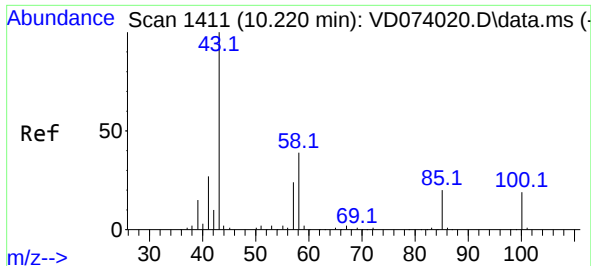
Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
69 0.0 77.0 115.4#
39 0.0 59.0 88.6#



#50
Toluene-d8
Concen: 46.913 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

Tgt Ion: 98 Resp: 5319
Ion Ratio Lower Upper
98 100
100 60.4 51.3 76.9

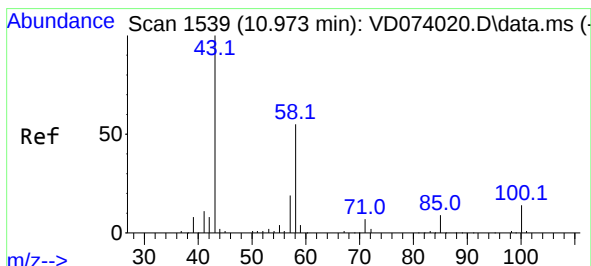
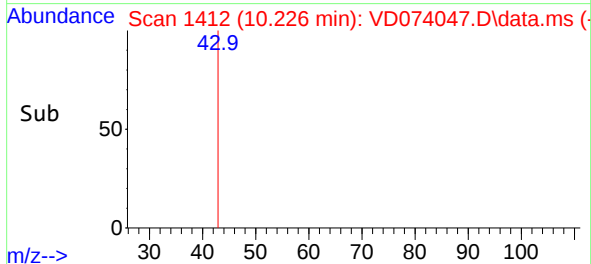
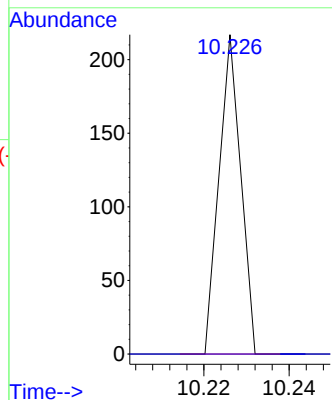
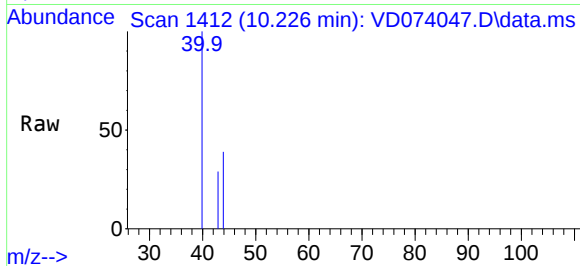




#51
4-Methyl-2-Pentanone
Concen: 3.368 ug/l
RT: 10.226 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

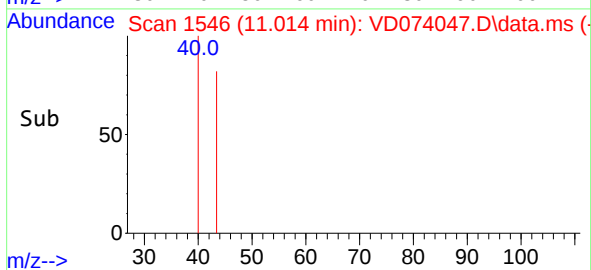
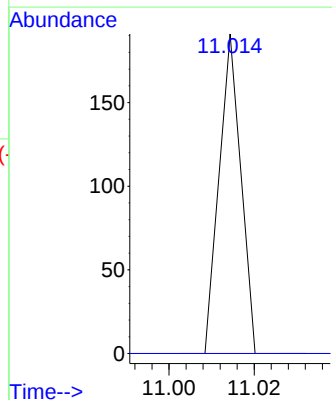
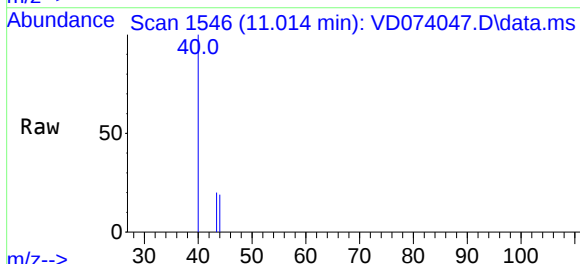
Instrument :
MSVOA_D
ClientSampleId :
SB02RE

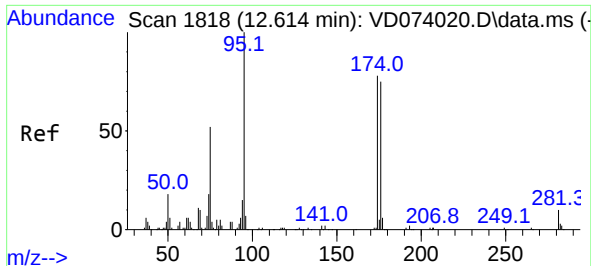
Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#59
2-Hexanone
Concen: 4.371 ug/l
RT: 11.014 min Scan# 1546
Delta R.T. 0.041 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
58 0.0 28.2 84.6#

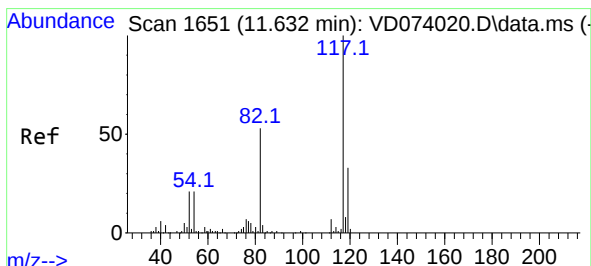
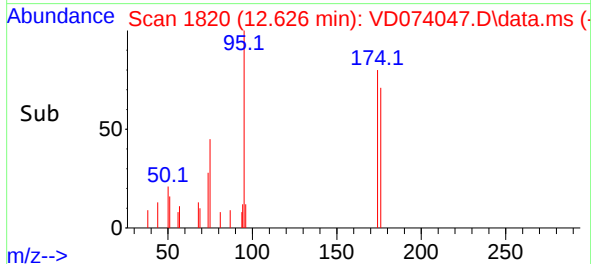
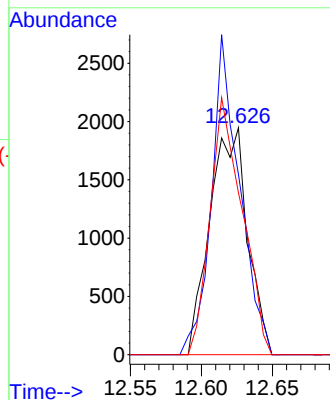
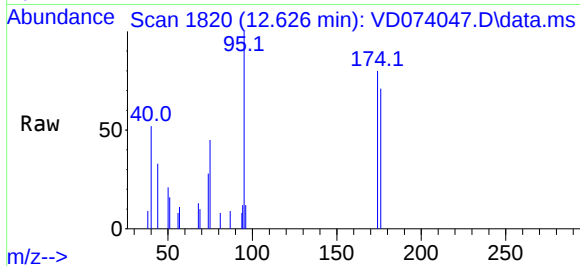




#62
4-Bromofluorobenzene
Concen: 67.860 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.012 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

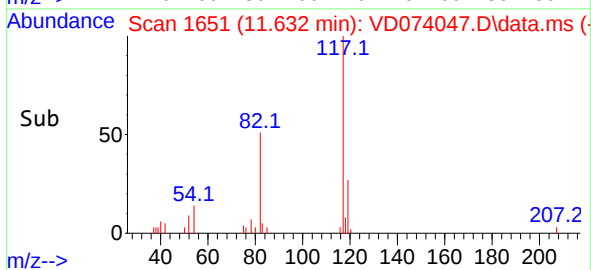
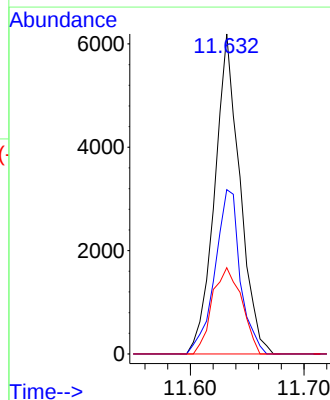
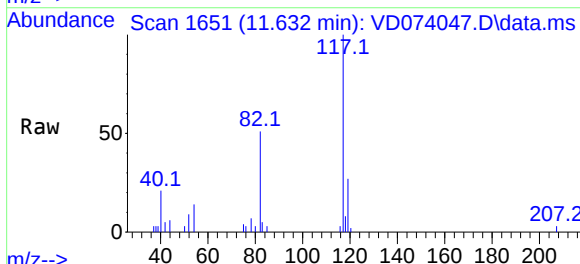
Instrument :
MSVOA_D
ClientSampleId :
SB02RE

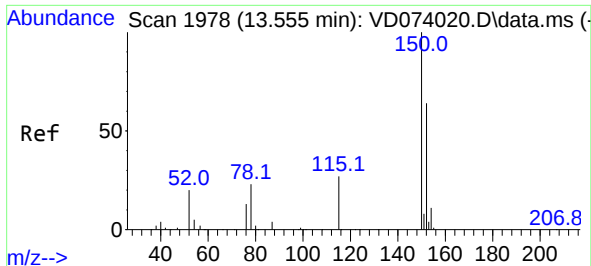
Tgt Ion:	95	Resp:	3590
Ion	Ratio	Lower	Upper
95	100		
174	105.2	0.0	162.6
176	96.6	0.0	160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

Tgt Ion:	117	Resp:	9556
Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.7	64.1
119	26.9	25.8	38.8

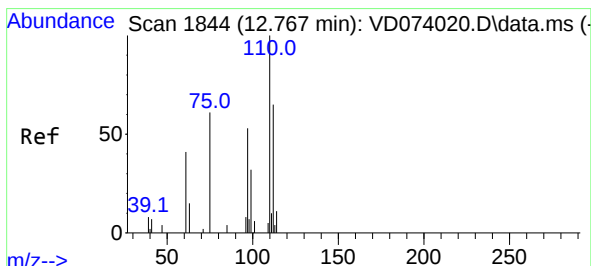
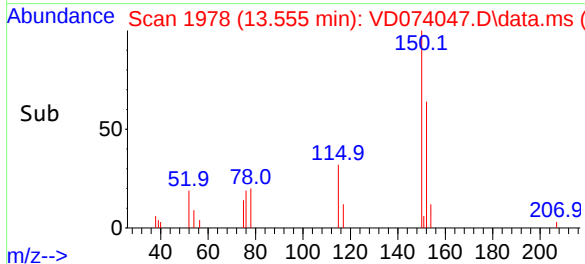
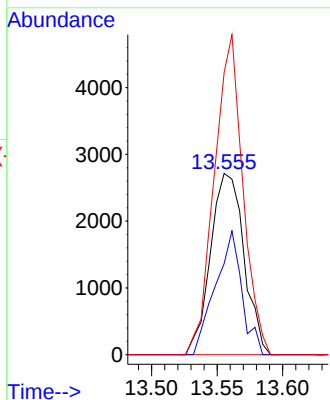
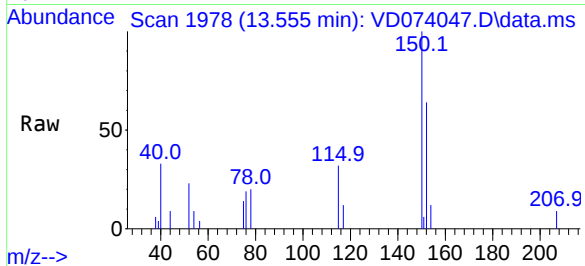




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. 0.000 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

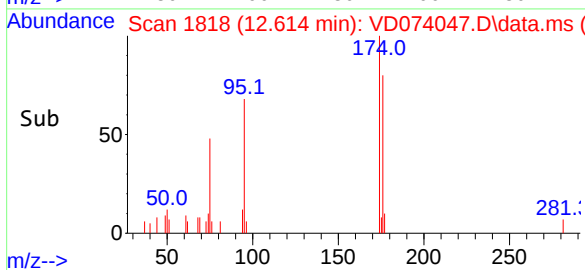
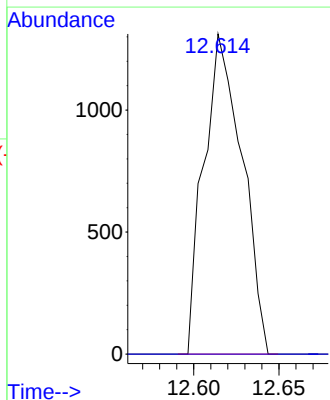
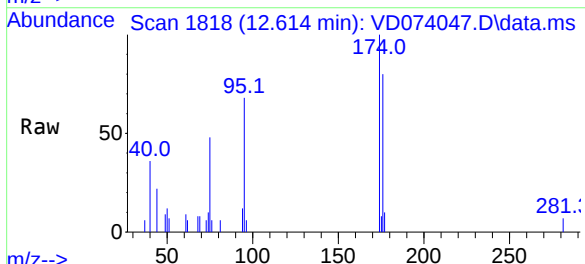
Instrument :
MSVOA_D
ClientSampleId :
SB02RE

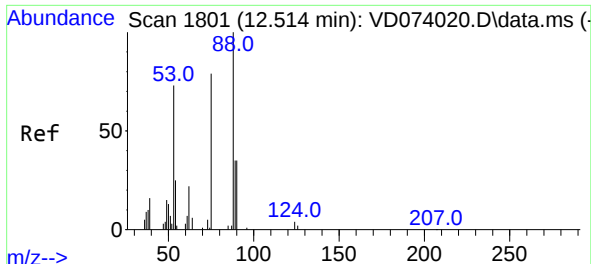
Tgt Ion:152 Resp: 4821
Ion Ratio Lower Upper
152 100
115 54.0 29.9 89.8
150 151.1 0.0 342.8



#76
1,2,3-Trichloropropane
Concen: 46.574 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

Tgt Ion: 75 Resp: 2050
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

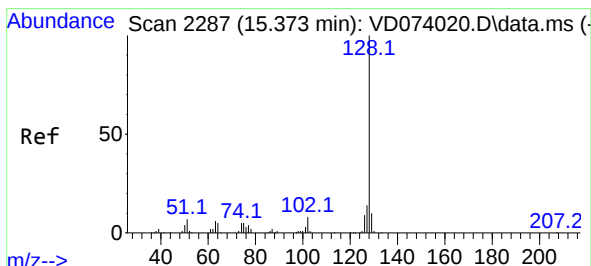
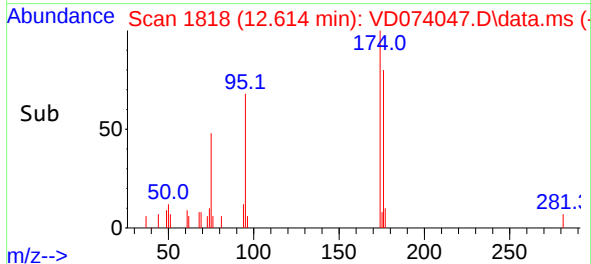
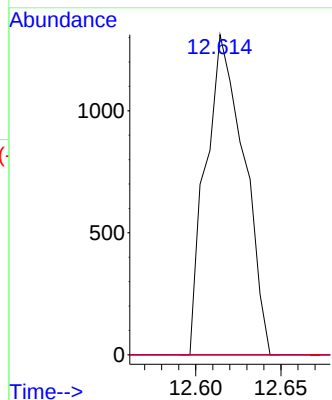
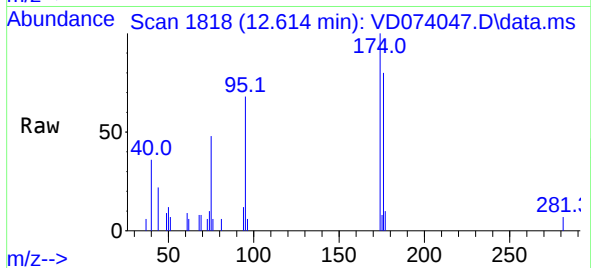




#81
trans-1,4-Dichloro-2-butene
Concen: 124.304 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

Instrument :
MSVOA_D
ClientSampleId :
SB02RE

Tgt Ion: 75 Resp: 2050
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 38.3 57.5#



#95
Naphthalene
Concen: 1.165 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. 0.006 min
Lab File: VD074047.D
Acq: 11 Aug 2022 17:50

Tgt Ion:128 Resp: 173
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.5 12.7#

