

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070924\
 Data File : VD079362.D
 Acq On : 09 Jul 2024 15:35
 Operator : RP/MD
 Sample : P3159-01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-070324

Quant Time: Jul 09 16:54:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070824S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 17:06:59 2024
 Response via : Initial Calibration

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

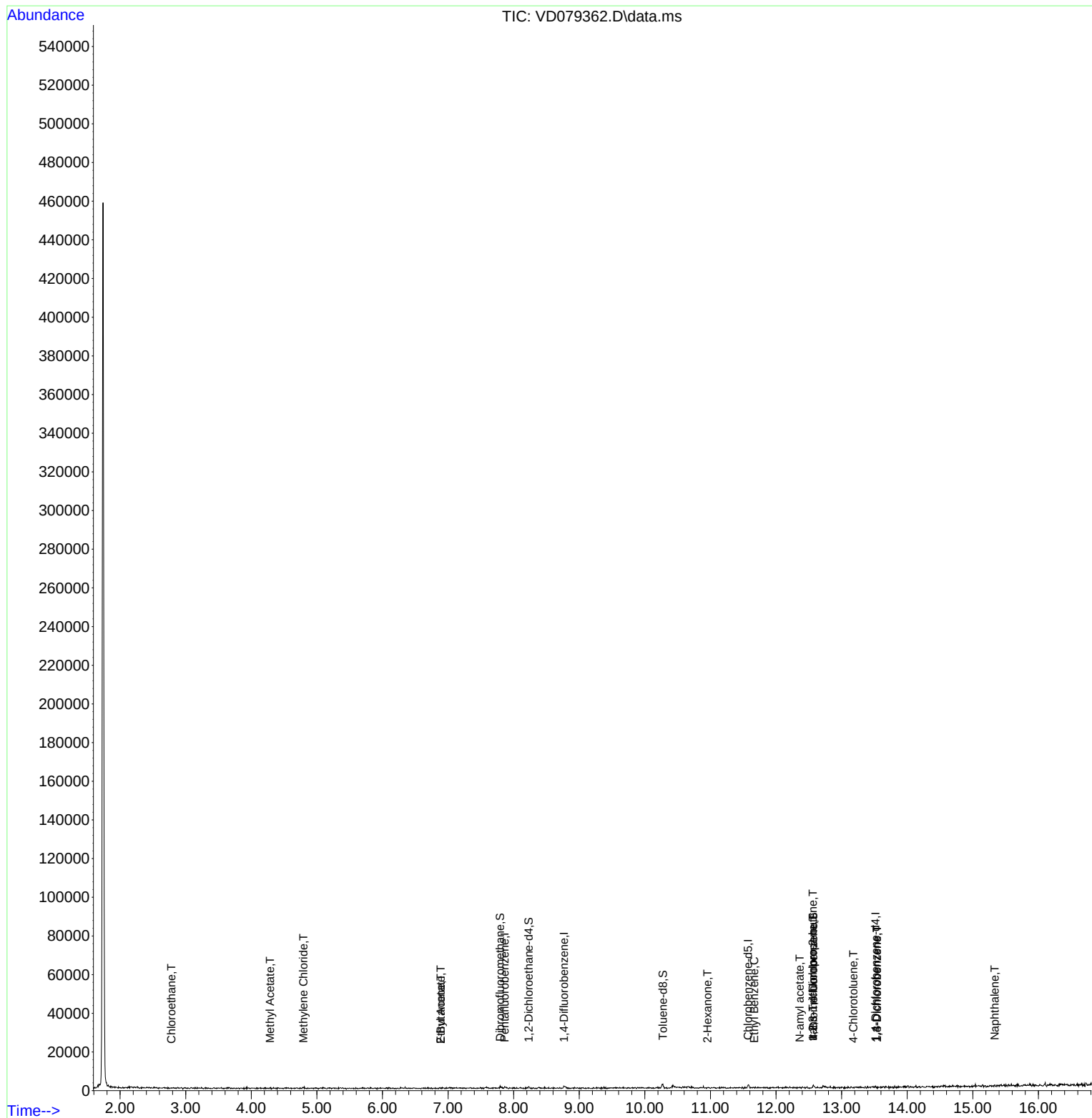
Internal Standards						
1) Pentafluorobenzene	7.863	168	542	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.769	114	1917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	1366	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	70	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	557	87.206	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 174.420%#	
35) Dibromofluoromethane	7.793	113	336	24.845	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 49.680%#	
50) Toluene-d8	10.275	98	1789	34.316	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 68.640%	
62) 4-Bromofluorobenzene	12.569	95	404	24.933	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 49.860%	
Target Compounds						
						Qvalue
6) Chloroethane	2.781	64	71	19.162	ug/l #	44
18) Methyl Acetate	4.287	43	55	14.470	ug/l #	40
20) Methylene Chloride	4.793	84	294	26.587	ug/l #	46
25) 2-Butanone	6.887	43	61	35.352	ug/l #	42
37) Ethyl Acetate	6.887	43	61	8.199	ug/l #	64
59) 2-Hexanone	10.957	43	53	10.189	ug/l #	19
67) Ethyl Benzene	11.669	91	54	1.128	ug/l #	42
74) N-amyl acetate	12.363	43	57	54.285	ug/l #	35
76) 1,2,3-Trichloropropane	12.563	75	130	193.290	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.563	75	130	364.438	ug/l #	19
82) 4-Chlorotoluene	13.181	91	56	15.755	ug/l #	37
87) 1,3-Dichlorobenzene	13.539	146	61	26.164	ug/l #	26
88) 1,4-Dichlorobenzene	13.539	146	61	25.995	ug/l #	26
95) Naphthalene	15.333	128	439	190.004	ug/l #	70

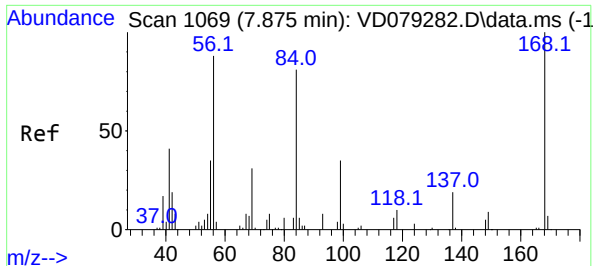
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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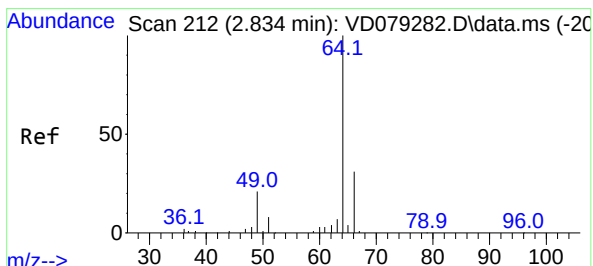
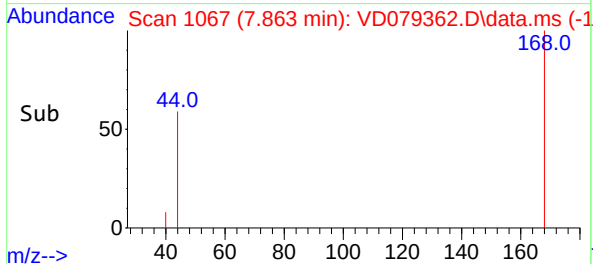
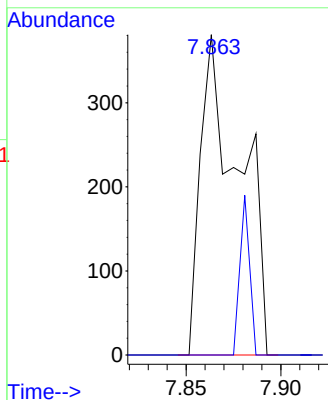
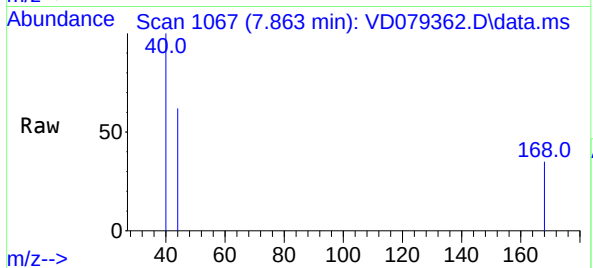




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.863 min Scan# 10
Delta R.T. -0.012 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

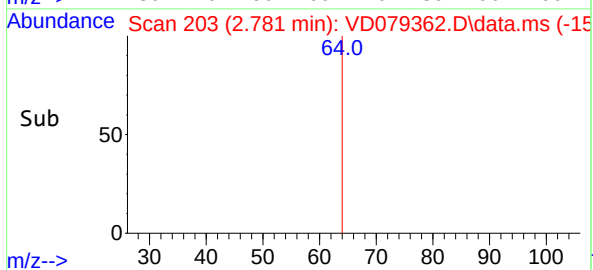
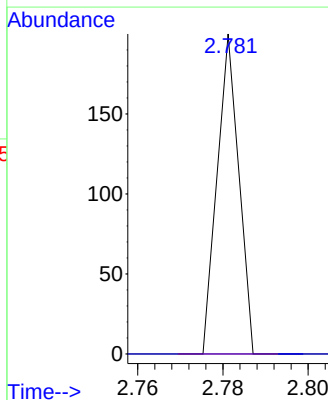
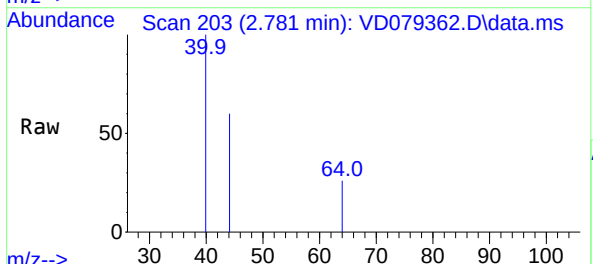
Instrument :
MSVOA_D
ClientSampleId :
SU-04-070324

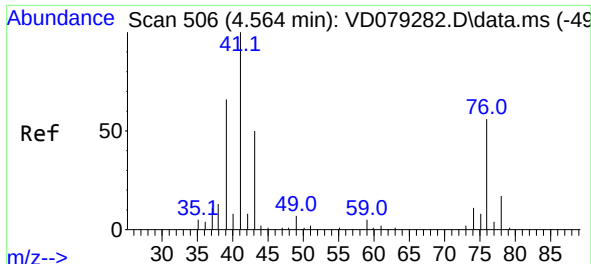
Tgt Ion:168 Resp: 542
Ion Ratio Lower Upper
168 100
99 0.0 41.1 61.7#



#6
Chloroethane
Concen: 19.162 ug/l
RT: 2.781 min Scan# 203
Delta R.T. -0.041 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

Tgt Ion: 64 Resp: 71
Ion Ratio Lower Upper
64 100
66 0.0 24.5 36.7#

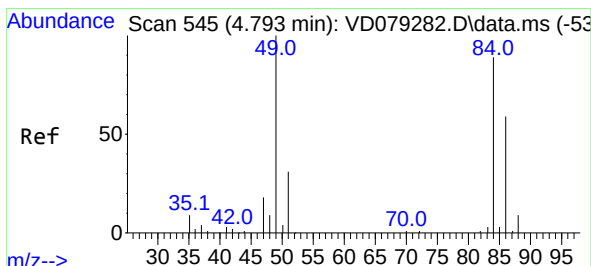
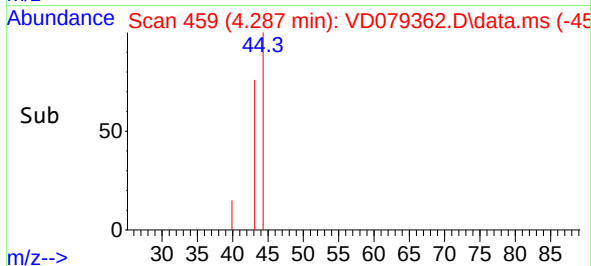
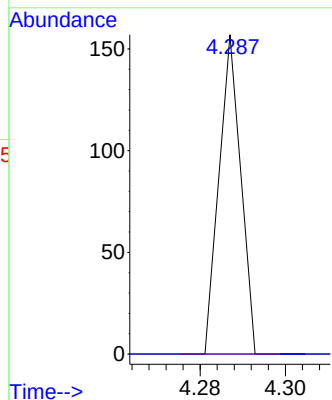
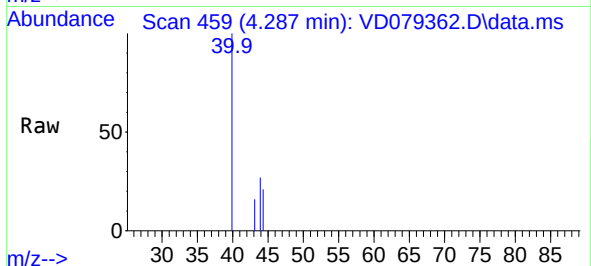




#18
Methyl Acetate
Concen: 14.470 ug/l
RT: 4.287 min Scan# 41
Delta R.T. -0.271 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

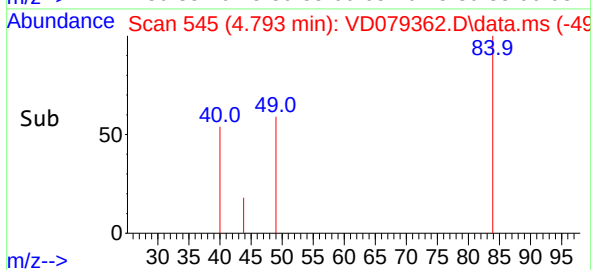
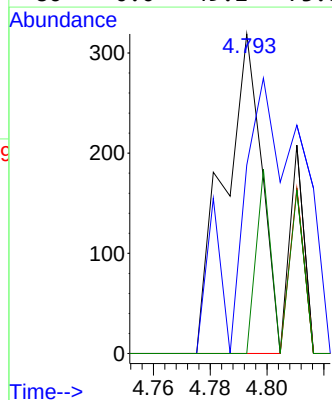
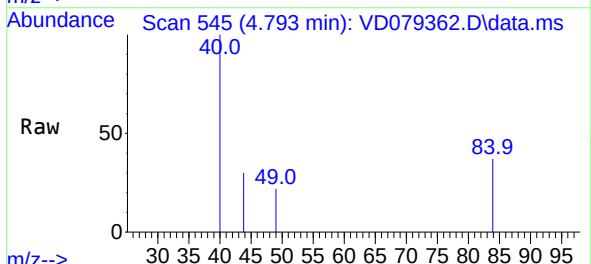
Instrument :
MSVOA_D
ClientSampleId :
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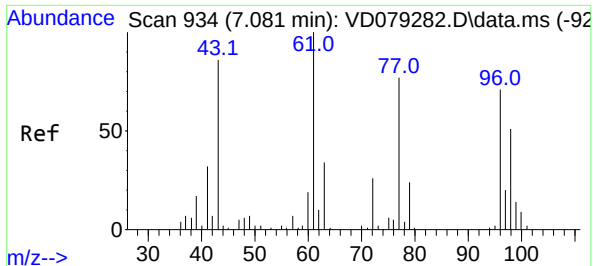
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 28.1 42.1#



#20
Methylene Chloride
Concen: 26.587 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.000 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

Tgt Ion: 84 Resp: 294
Ion Ratio Lower Upper
84 100
49 58.9 75.6 113.4#
51 0.0 24.2 36.2#
86 0.0 49.2 73.8#

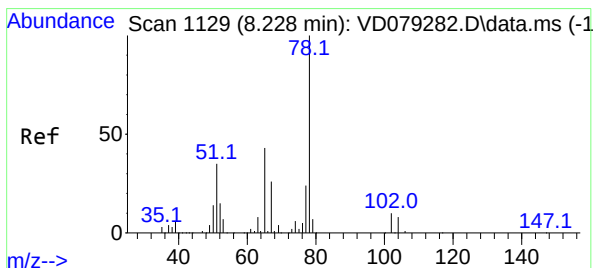
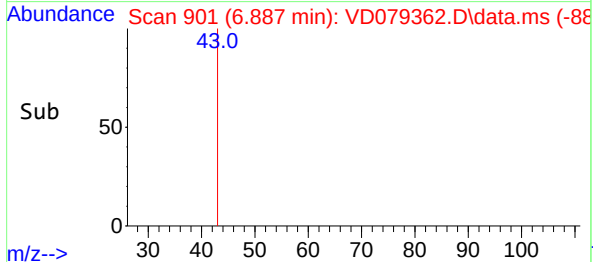
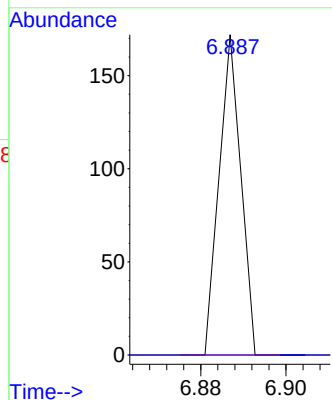
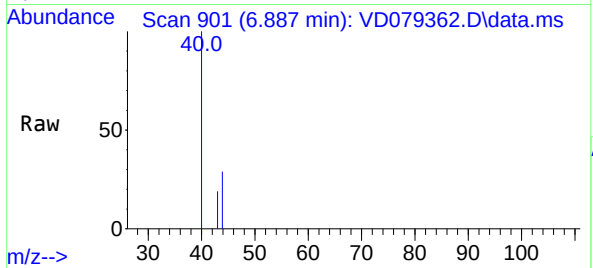




#25
2-Butanone
Concen: 35.352 ug/l
RT: 6.887 min Scan# 901
Delta R.T. -0.188 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

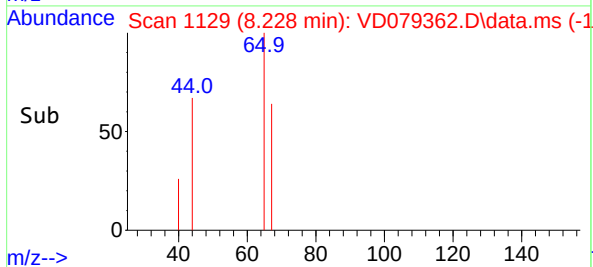
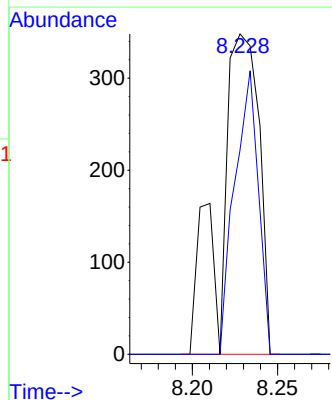
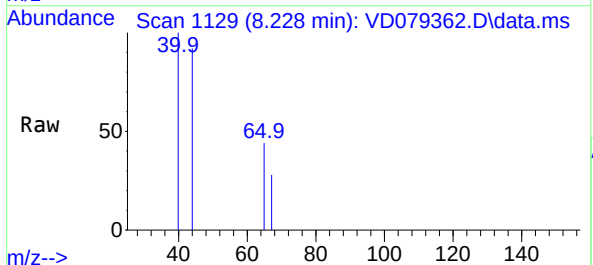
Instrument :
MSVOA_D
ClientSampleId :
SU-04-070324

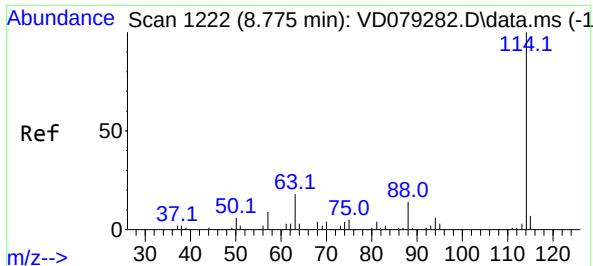
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#



#33
1,2-Dichloroethane-d4
Concen: 87.206 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

Tgt Ion: 65 Resp: 557
Ion Ratio Lower Upper
65 100
67 53.3 0.0 111.0



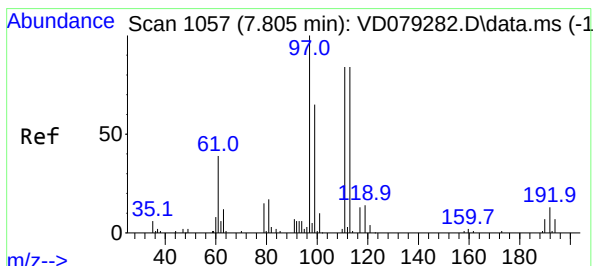
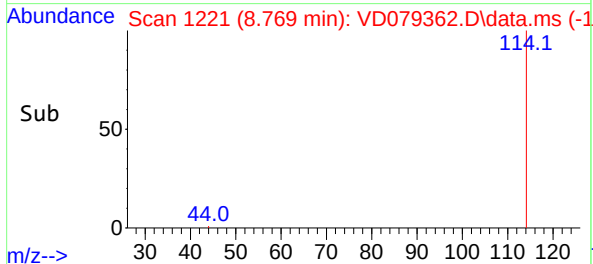
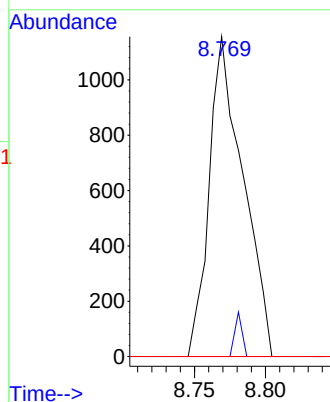
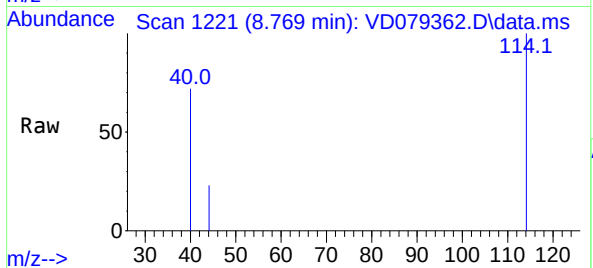


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

Instrument :
MSVOA_D
ClientSampleId :
SU-04-070324

Tgt Ion:114 Resp: 1917

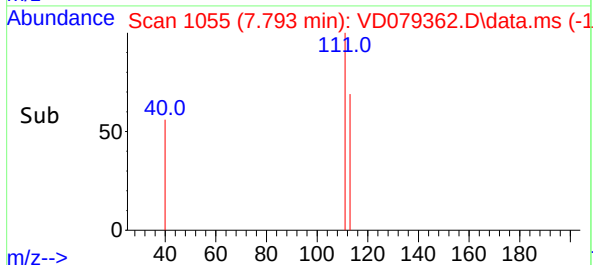
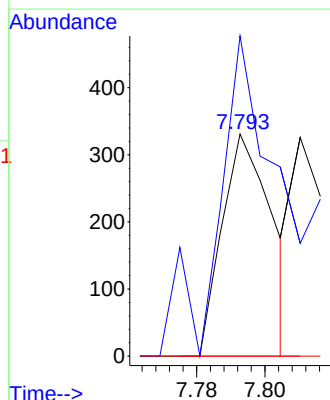
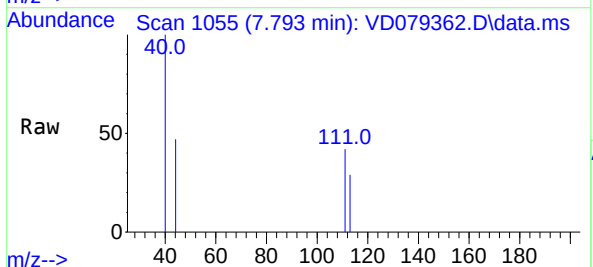
Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	34.0
88	0.0	0.0	27.2

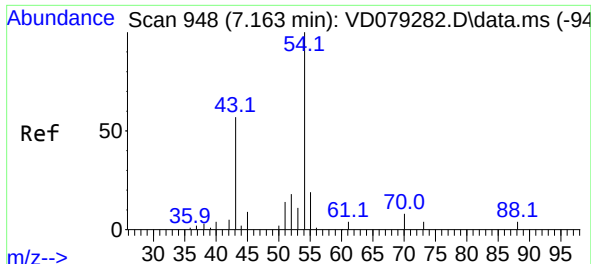


#35
Dibromofluoromethane
Concen: 24.845 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

Tgt Ion:113 Resp: 336

Ion	Ratio	Lower	Upper
113	100		
111	214.3	84.0	126.0#
192	0.0	15.4	23.0#

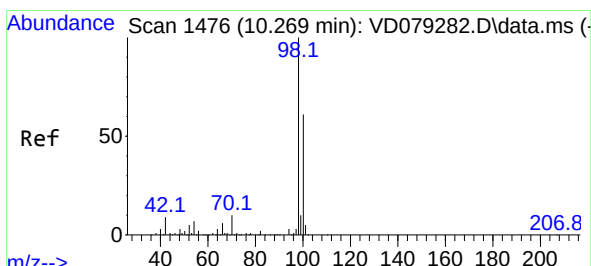
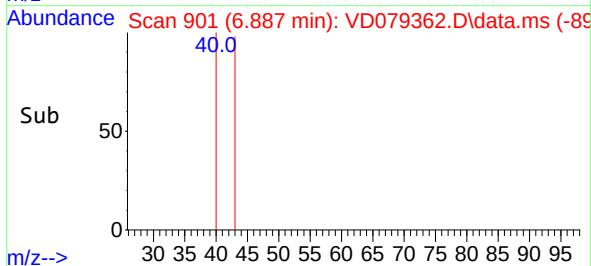
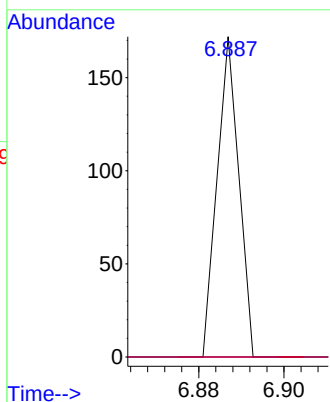
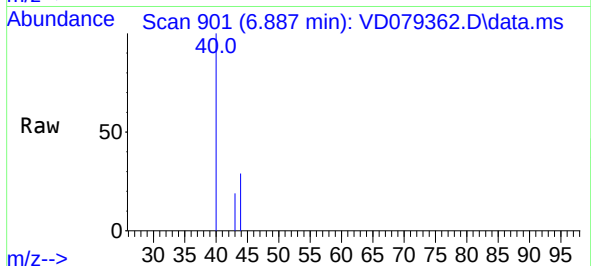




#37
Ethyl Acetate
Concen: 8.199 ug/l
RT: 6.887 min Scan# 901
Delta R.T. -0.277 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

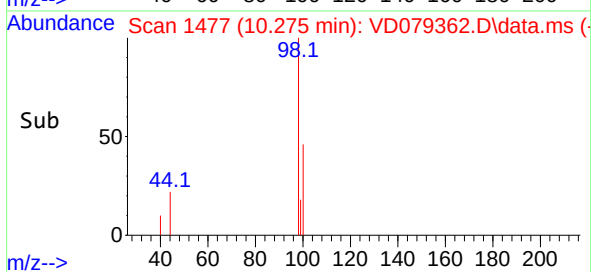
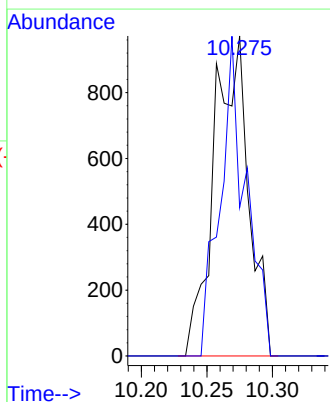
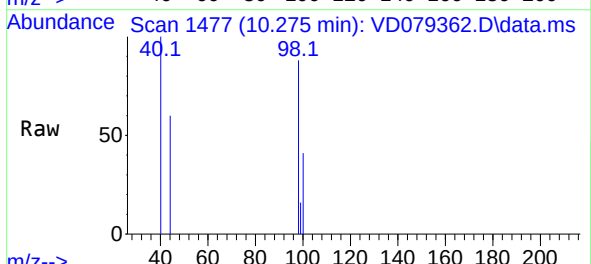
Instrument :
MSVOA_D
ClientSampleId :
SU-04-070324

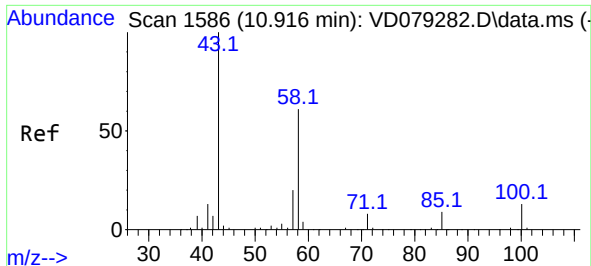
Tgt Ion: 43	Resp: 61
Ion Ratio	Lower Upper
43 100	
61 0.0	13.9 20.9#
70 0.0	9.8 14.6#



#50
Toluene-d8
Concen: 34.316 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

Tgt Ion: 98	Resp:	1789	
Ion Ratio	Lower	Upper	
98 100			
100 74.6	51.6	77.4	

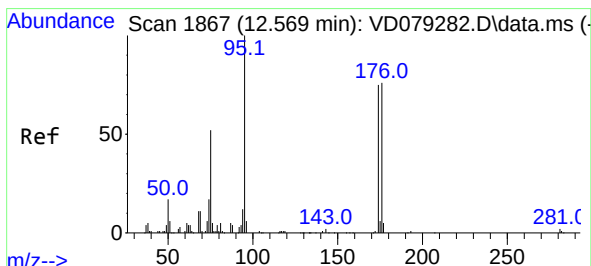
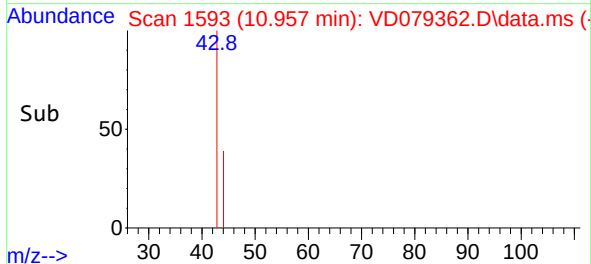
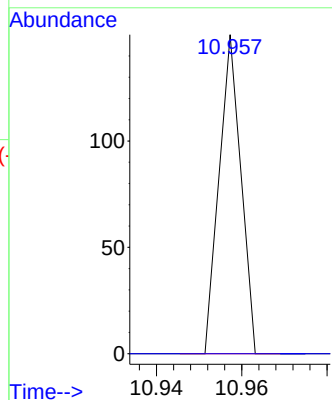
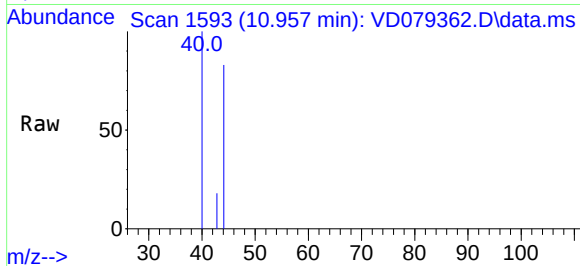




#59
2-Hexanone
Concen: 10.189 ug/l
RT: 10.957 min Scan# 1593
Delta R.T. 0.035 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

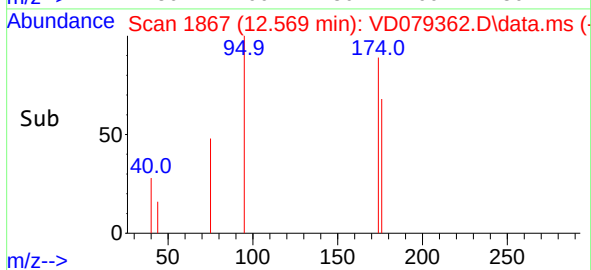
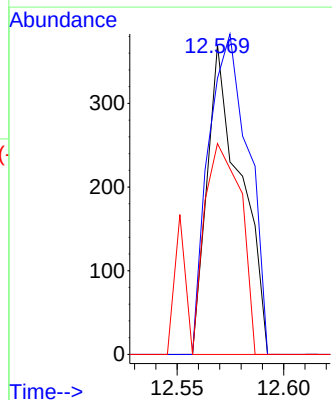
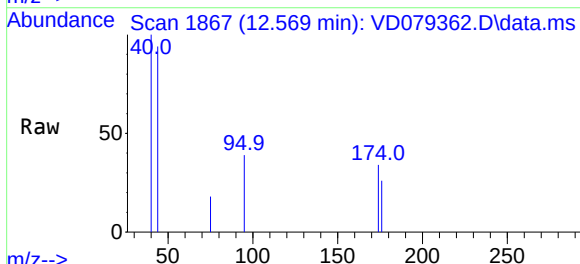
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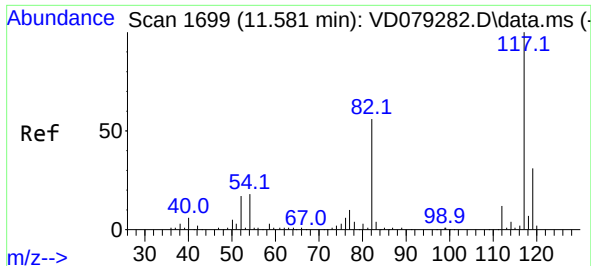
Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#



#62
4-Bromofluorobenzene
Concen: 24.933 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

Tgt Ion: 95 Resp: 404
Ion Ratio Lower Upper
95 100
174 124.0 0.0 195.4
176 88.9 0.0 192.6

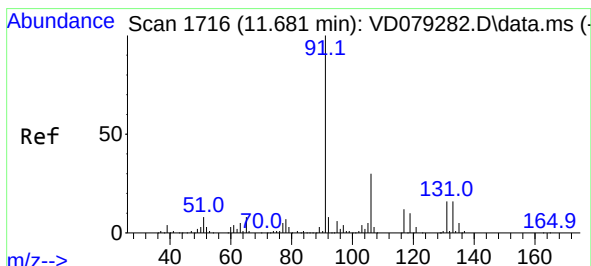
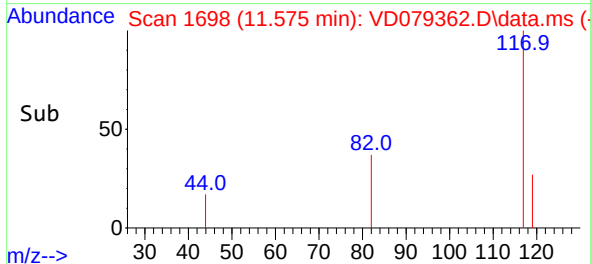
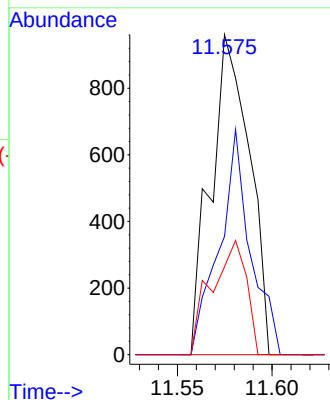
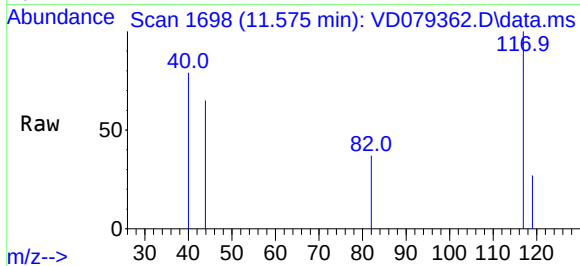




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1169
Delta R.T. -0.006 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

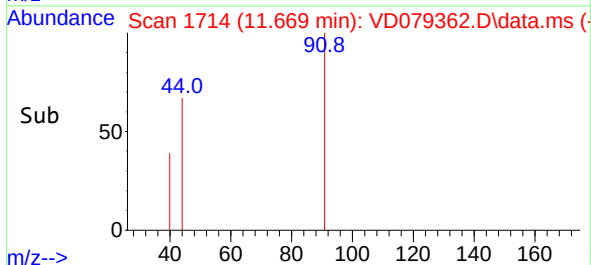
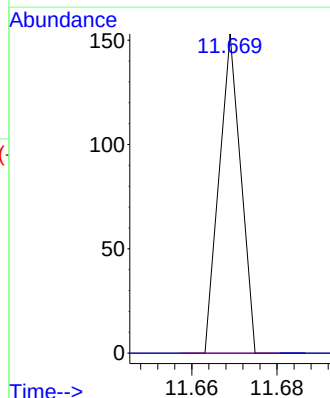
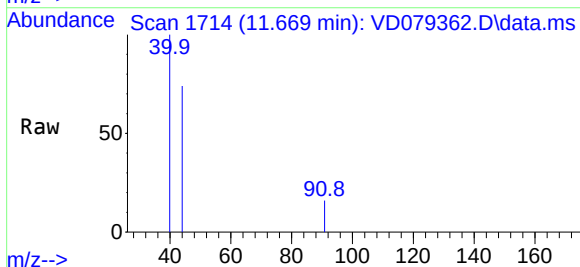
Instrument :
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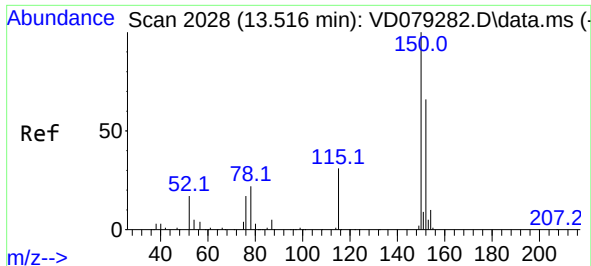
Tgt Ion:117 Resp: 1366
Ion Ratio Lower Upper
117 100
82 36.9 39.8 59.6#
119 27.5 25.7 38.5



#67
Ethyl Benzene
Concen: 1.128 ug/l
RT: 11.669 min Scan# 1714
Delta R.T. -0.012 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

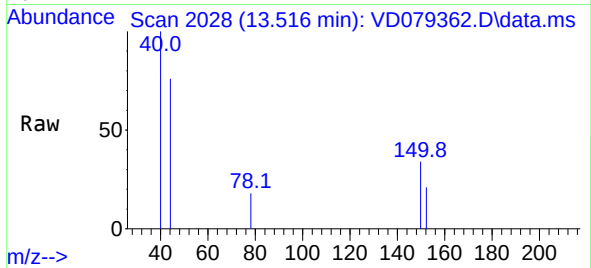
Tgt Ion: 91 Resp: 54
Ion Ratio Lower Upper
91 100
106 0.0 25.8 38.6#



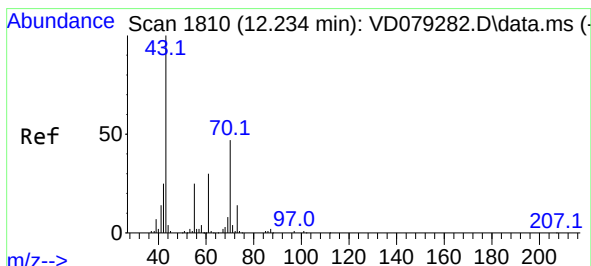
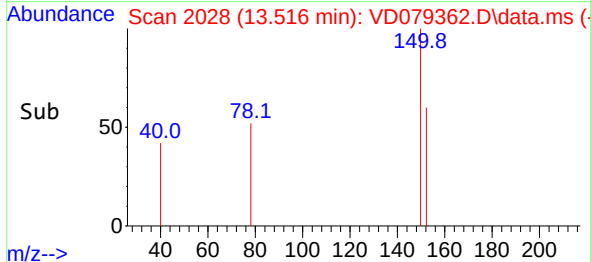
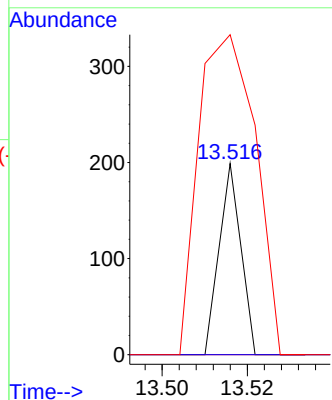


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

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MSVOA_D
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SU-04-070324

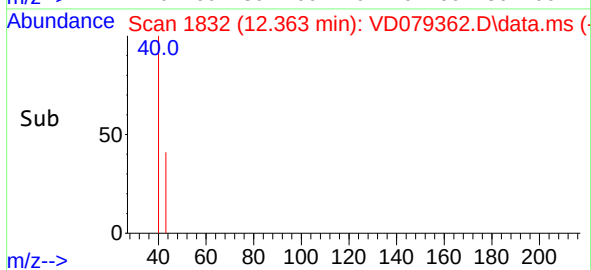
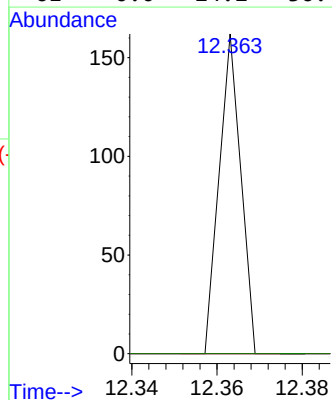
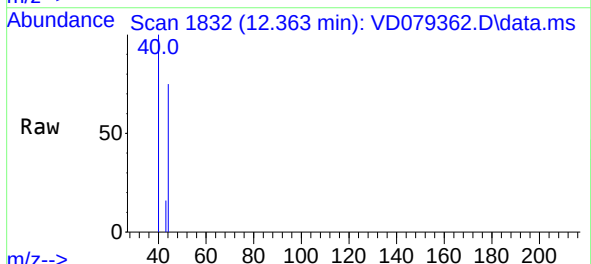


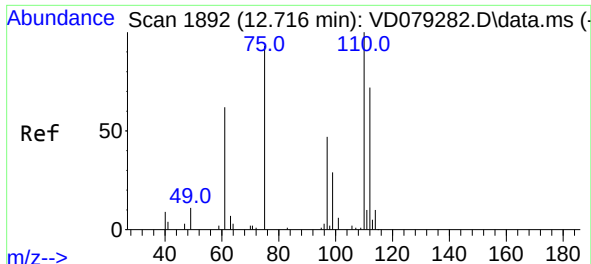
Tgt Ion:152 Resp: 70
Ion Ratio Lower Upper
152 100
115 0.0 26.5 79.5#
150 441.4 0.0 341.6#



#74
N-ethyl acetate
Concen: 54.285 ug/l
RT: 12.363 min Scan# 1832
Delta R.T. 0.135 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
70 0.0 44.3 66.5#
55 0.0 23.2 34.8#
61 0.0 24.2 36.4#

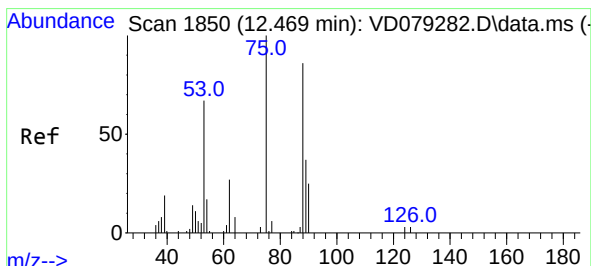
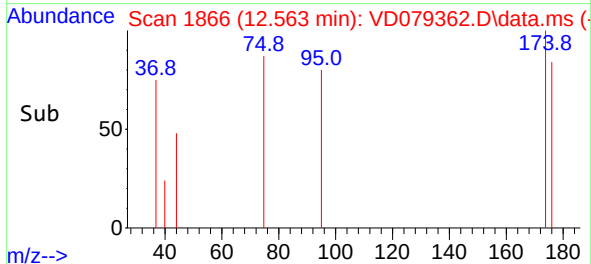
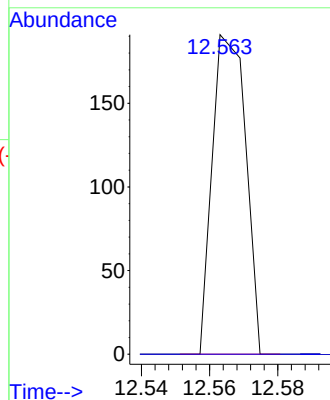
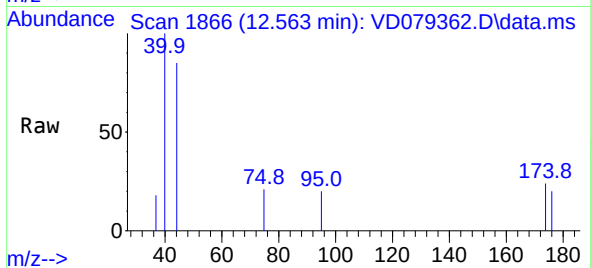




#76
1,2,3-Trichloropropane
Concen: 193.290 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. -0.159 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

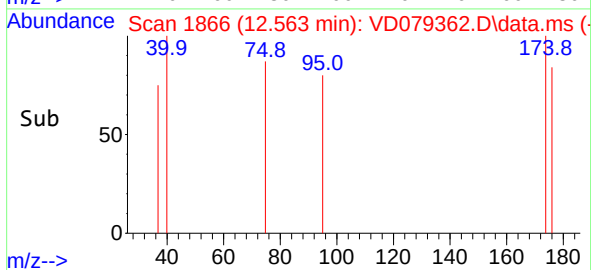
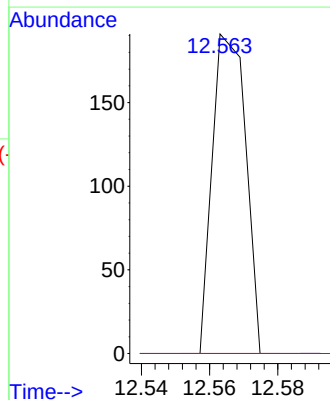
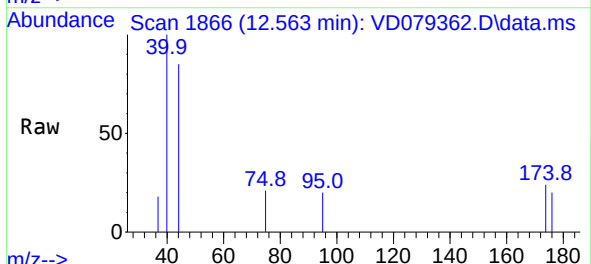
Instrument :
MSVOA_D
ClientSampleId :
SU-04-070324

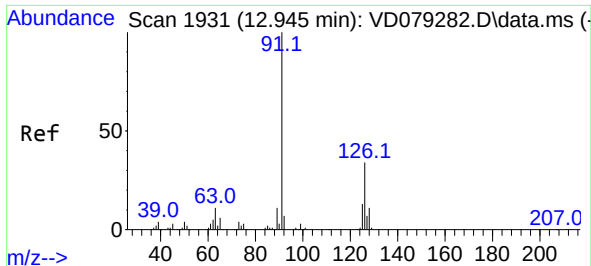
Tgt Ion: 75 Resp: 130
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 364.438 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.094 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

Tgt Ion: 75 Resp: 130
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

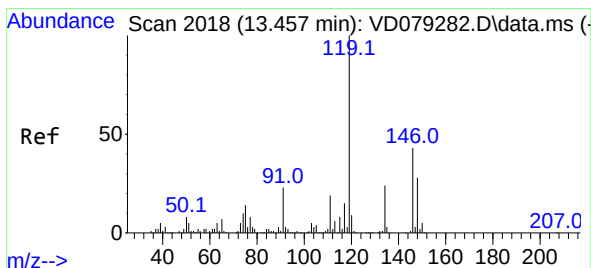
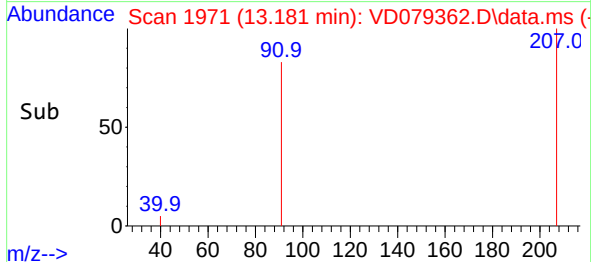
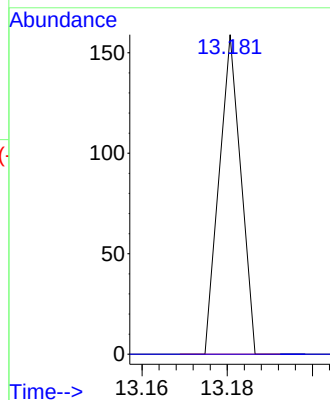
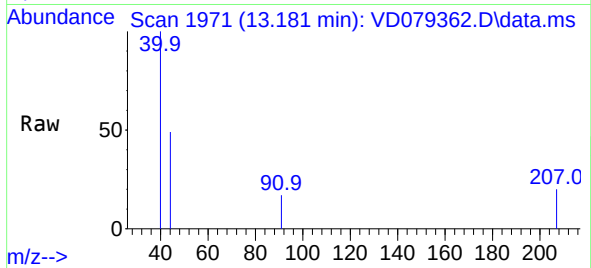




#82
4-Chlorotoluene
Concen: 15.755 ug/l
RT: 13.181 min Scan# 1931
Delta R.T. 0.235 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

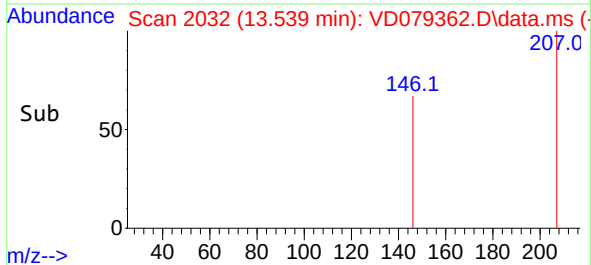
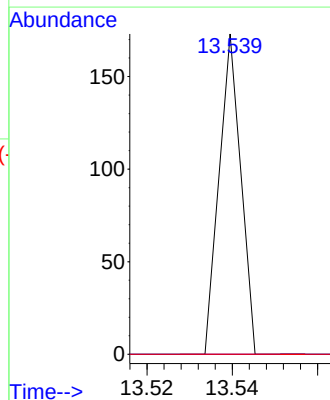
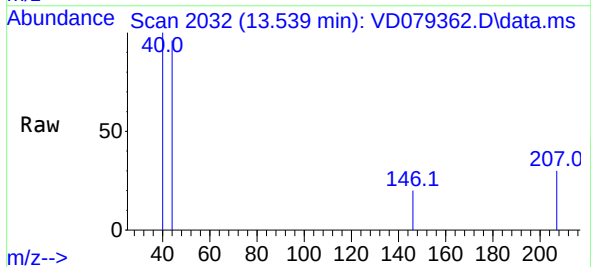
Instrument :
MSVOA_D
ClientSampleId :
SU-04-070324

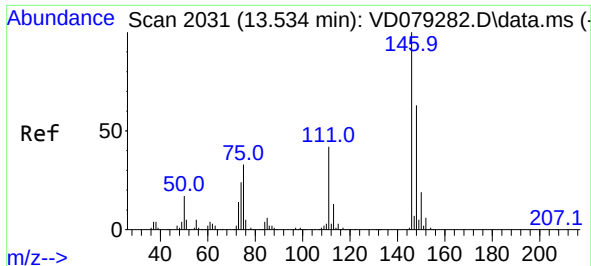
Tgt Ion: 91 Resp: 56
Ion Ratio Lower Upper
91 100
126 0.0 18.9 56.9#



#87
1,3-Dichlorobenzene
Concen: 26.164 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. 0.082 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

Tgt Ion: 146 Resp: 61
Ion Ratio Lower Upper
146 100
111 0.0 18.5 55.5#
148 0.0 30.9 92.8#

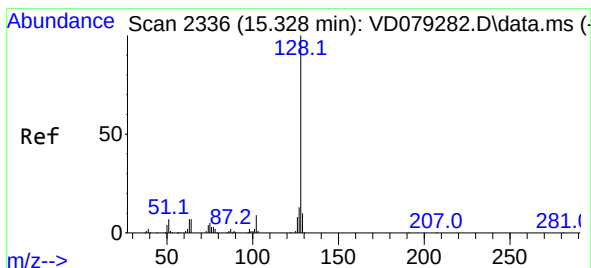
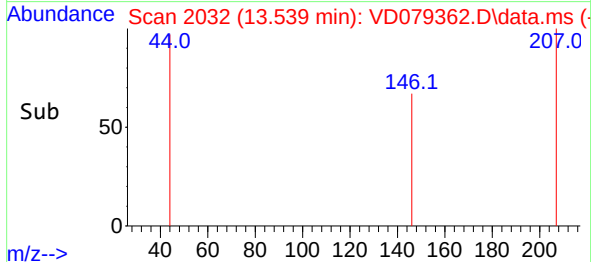
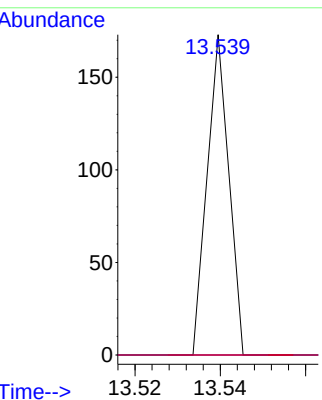
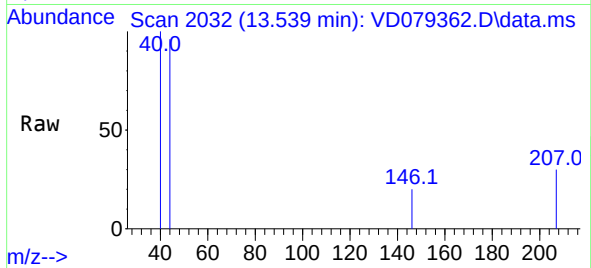




#88
1,4-Dichlorobenzene
Concen: 25.995 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. 0.006 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

Instrument :
MSVOA_D
ClientSampleId :
SU-04-070324

Tgt Ion:	146	Resp:	61
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.5	52.6#
148	0.0	31.4	94.2#



#95
Naphthalene
Concen: 190.004 ug/l
RT: 15.333 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VD079362.D
Acq: 09 Jul 2024 15:35

Tgt Ion:	128	Resp:	439
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.5	12.7#

