

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
 Data File : VD078303.D
 Acq On : 01 Feb 2024 14:29
 Operator : RP/MD
 Sample : P1329-01
 Misc : 5.38G/10ml/MSVOA_D/SOIL/VIAL A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 02 00:39:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Feb 02 00:36:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	10107	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.587	117	8927	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	3283	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	10893	37.988	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 151.960%#	
7) Chloroethane-d5	2.805	69	8866	36.782	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 147.120%	
11) 1,1-Dichloroethene-d2	3.916	65	2551	41.202	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 164.800%#	
21) 2-Butanone-d5	7.004	46	1687	39.958	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	= 79.920%	
24) Chloroform-d	7.563	84	8181	28.390	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 113.560%	
26) 1,2-Dichloroethane-d4	8.228	65	3004	19.317	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 77.280%	
32) Benzene-d6	8.198	84	18272	35.005	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 140.040%#	
36) 1,2-Dichloropropane-d6	9.216	67	5724	35.620	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 142.480%#	
41) Toluene-d8	10.269	98	14655	31.258	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 125.040%	
43) trans-1,3-Dichloroprop...	10.528	79	2275	31.706	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 126.840%	
47) 2-Hexanone-d5	10.881	63	1739	53.337	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 106.680%	
56) 1,1,2,2-Tetrachloroeth...	12.645	84	4905	32.848	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 131.400%#	
66) 1,2-Dichlorobenzene-d4	13.810	152	3763	32.017	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 128.080%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	277	0.956	ug/L	# 74
6) Bromomethane	2.758	94	68	0.419	ug/L	# 3
13) Acetone	4.034	43	447	8.064	ug/L	# 41
14) Carbon disulfide	4.258	76	298	0.551	ug/L	# 73
16) Methylene chloride	4.799	84	11572	58.381	ug/L	# 87
22) 2-Butanone	7.069	43	121	1.803	ug/L	# 44
25) Chloroform	7.622	83	200	0.648	ug/L	# 100
35) Methylcyclohexane	9.216	83	1355	5.700	ug/L	# 20
37) 1,2-Dichloropropane	9.210	63	334	2.107	ug/L	# 87
60) Isopropylbenzene	13.216	105	168	0.339	ug/L	# 54
61) 1,2,3-Trichloropropane	13.516	75	627	7.487	ug/L	# 46
62) 1,3,5-Trimethylbenzene	13.216	105	168	0.433	ug/L	# 28
63) 1,2,4-Trimethylbenzene	13.216	105	168	0.437	ug/L	# 30
64) 1,3-Dichlorobenzene	13.469	146	149	0.673	ug/L	# 24
65) 1,4-Dichlorobenzene	13.534	146	346	1.493	ug/L	# 25
67) 1,2-Dichlorobenzene	13.534	146	346	1.652	ug/L	# 26
69) 1,3,5-Trichlorobenzene	15.092	180	95	0.697	ug/L	# 57
70) 1,2,4-trichlorobenzene	15.092	180	95	0.806	ug/L	# 60
71) Naphthalene	15.333	128	379	1.373	ug/L	# 69

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 02 00:36:57 2024
Response via : Initial Calibration

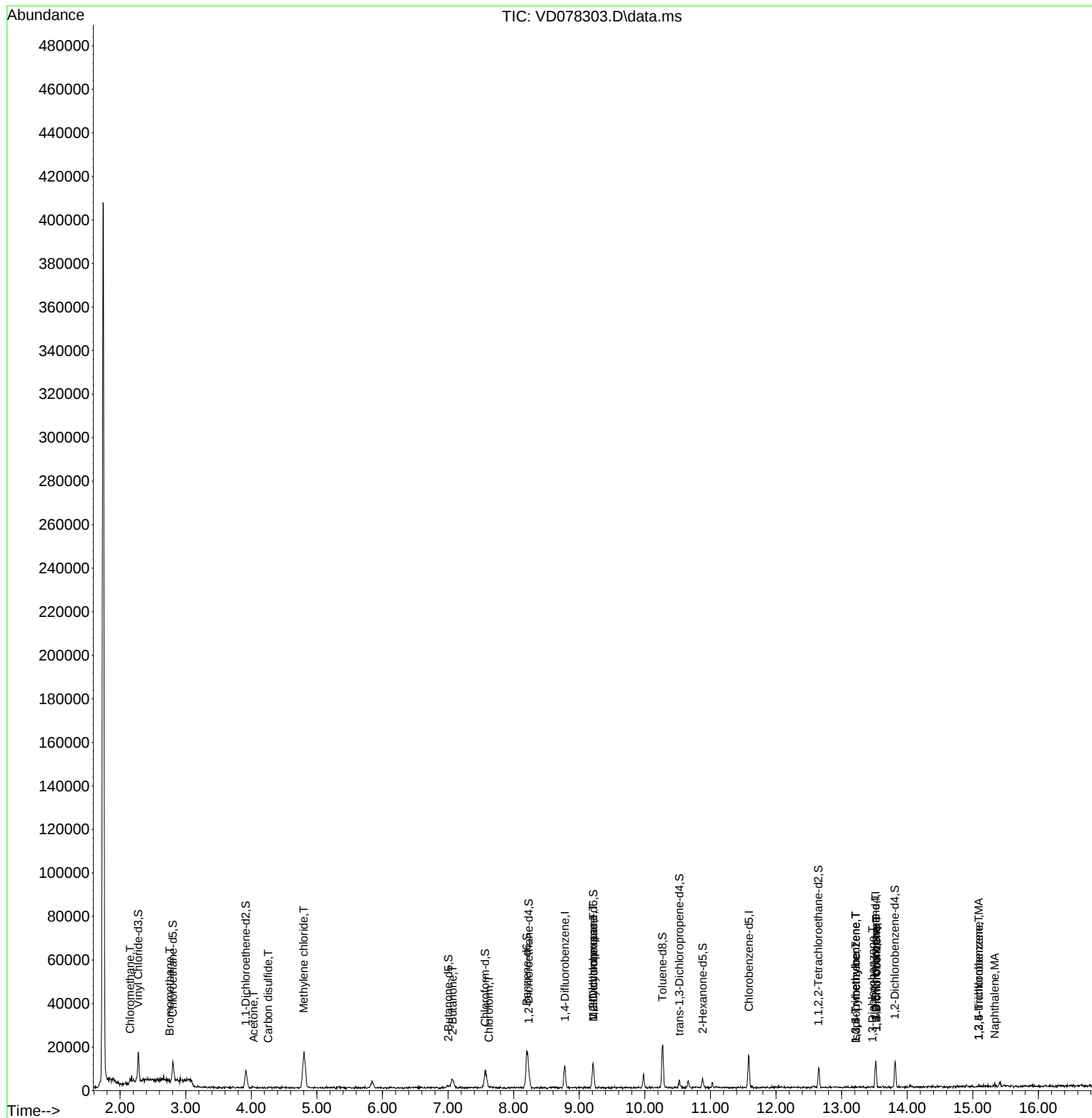
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

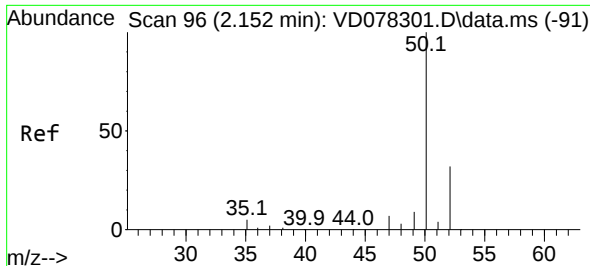
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD078303.D
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MSVOA_D
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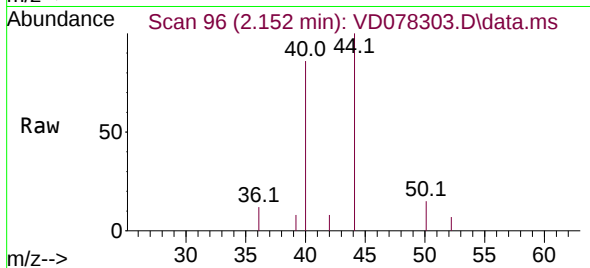
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 02 00:36:57 2024
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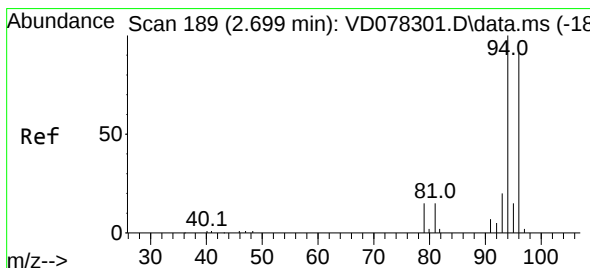
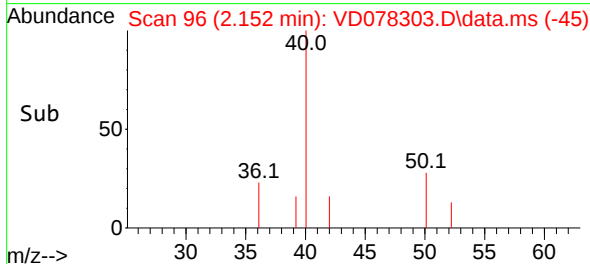
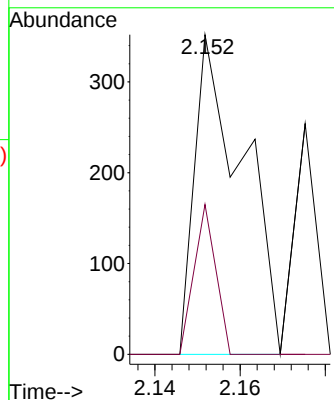


#3
Chloromethane
Concen: 0.956 ug/L
RT: 2.152 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD078303.D
Acq: 01 Feb 2024 14:29

Instrument :
MSVOA_D
ClientSampleId :

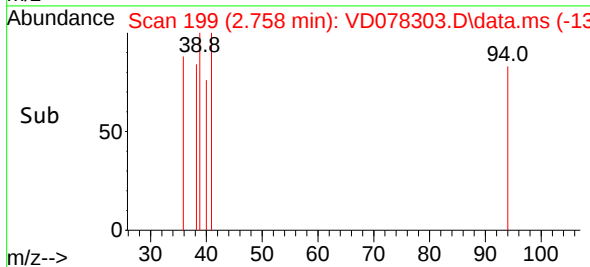
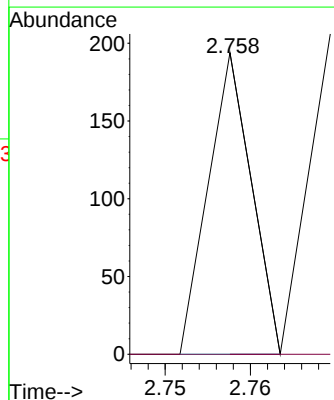
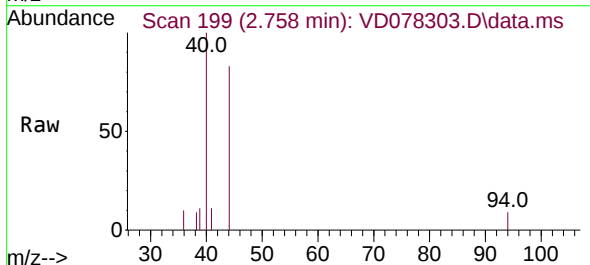


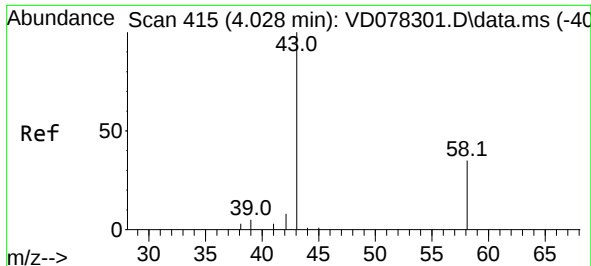
Tgt Ion: 50 Resp: 277
Ion Ratio Lower Upper
50 100
52 46.9 22.7 42.3#



#6
Bromomethane
Concen: 0.419 ug/L
RT: 2.758 min Scan# 199
Delta R.T. 0.059 min
Lab File: VD078303.D
Acq: 01 Feb 2024 14:29

Tgt Ion: 94 Resp: 68
Ion Ratio Lower Upper
94 100
96 0.0 64.8 120.4#

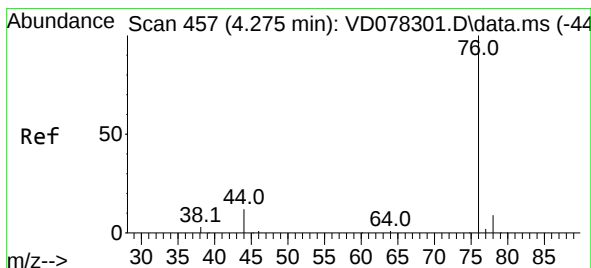
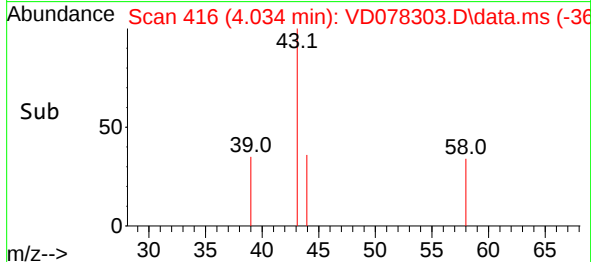
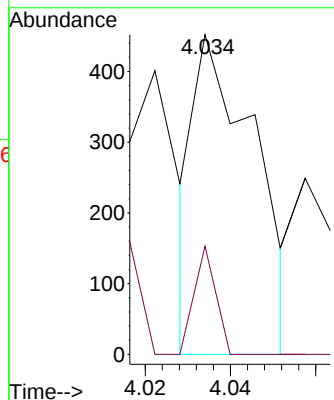
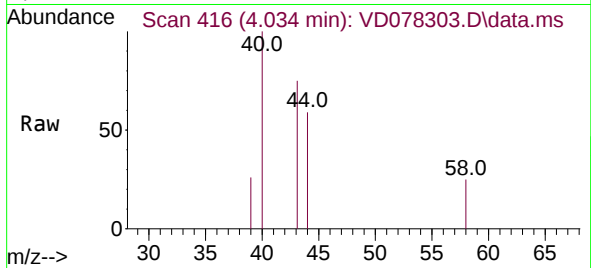




#13
Acetone
Concen: 8.064 ug/L
RT: 4.034 min Scan# 416
Delta R.T. 0.006 min
Lab File: VD078303.D
Acq: 01 Feb 2024 14:29

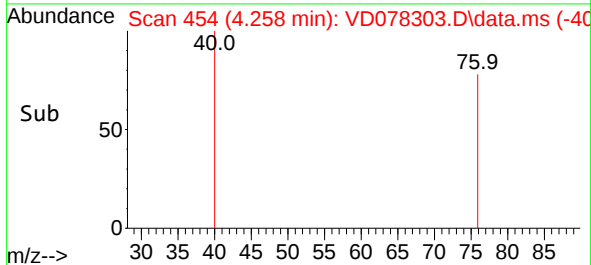
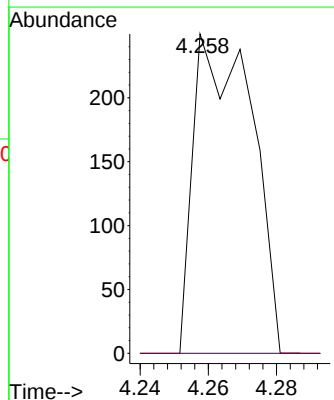
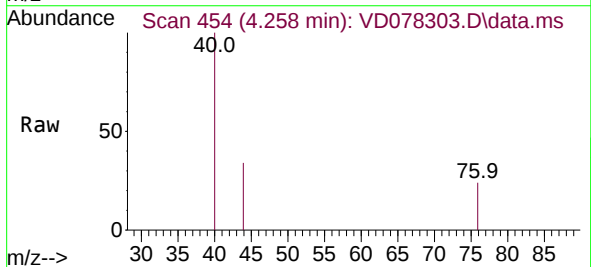
Instrument :
MSVOA_D
ClientSampleId :

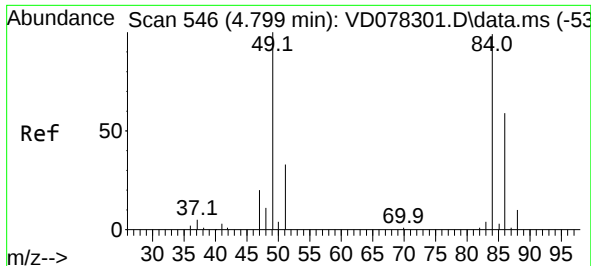
Tgt Ion: 43 Resp: 447
Ion Ratio Lower Upper
43 100
58 0.0 0.0 67.2



#14
Carbon disulfide
Concen: 0.551 ug/L
RT: 4.258 min Scan# 454
Delta R.T. -0.018 min
Lab File: VD078303.D
Acq: 01 Feb 2024 14:29

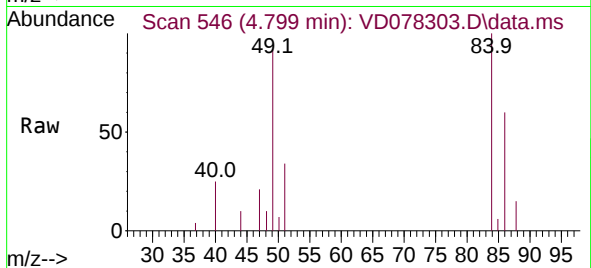
Tgt Ion: 76 Resp: 298
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#



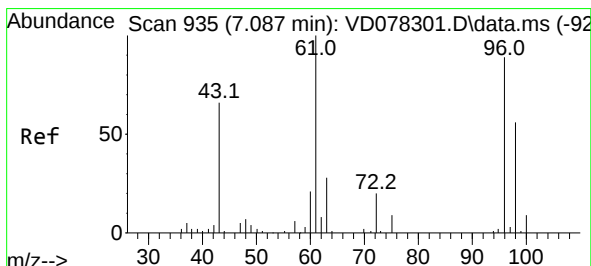
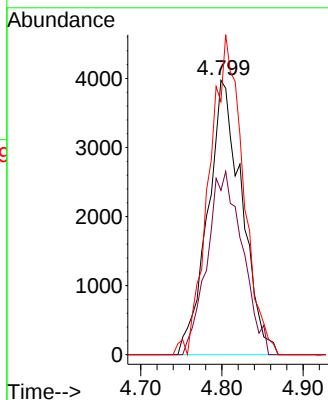
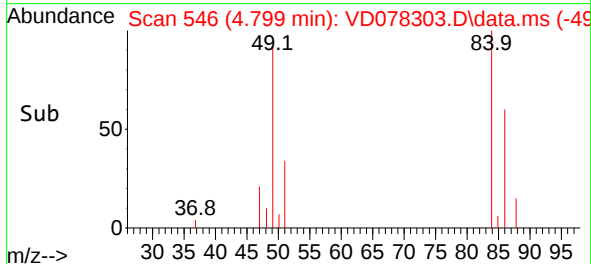


#16
Methylene chloride
Concen: 58.381 ug/L
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD078303.D
Acq: 01 Feb 2024 14:29

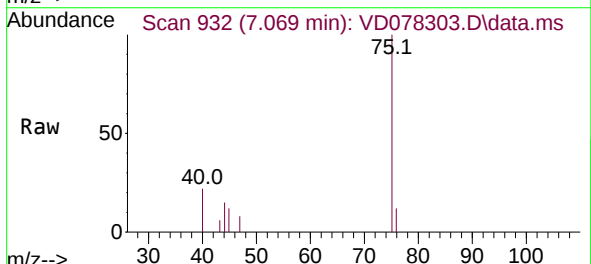
Instrument :
MSVOA_D
ClientSampleId :



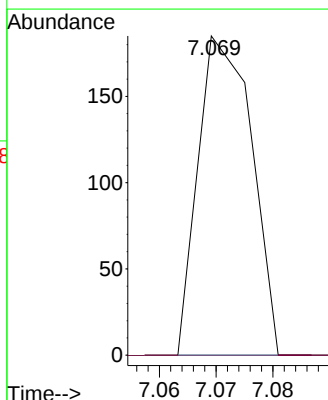
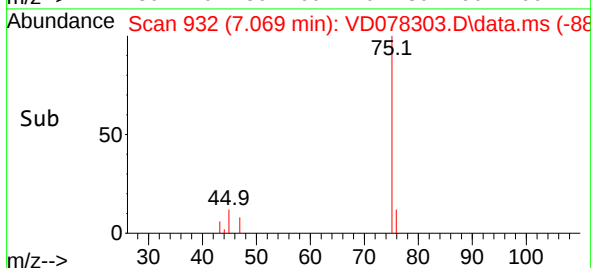
Tgt Ion: 84 Resp: 11572
Ion Ratio Lower Upper
84 100
86 59.9 45.4 84.2
49 92.3 77.3 143.7

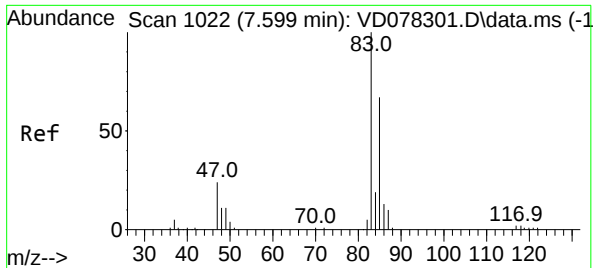


#22
2-Butanone
Concen: 1.803 ug/L
RT: 7.069 min Scan# 932
Delta R.T. -0.018 min
Lab File: VD078303.D
Acq: 01 Feb 2024 14:29



Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
72 0.0 15.4 46.2#

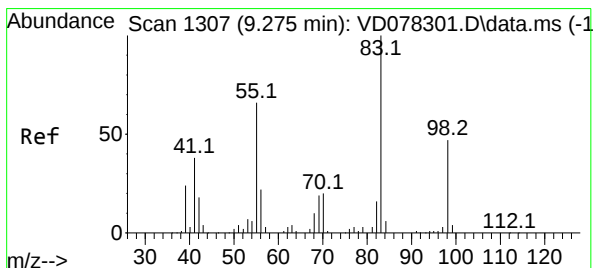
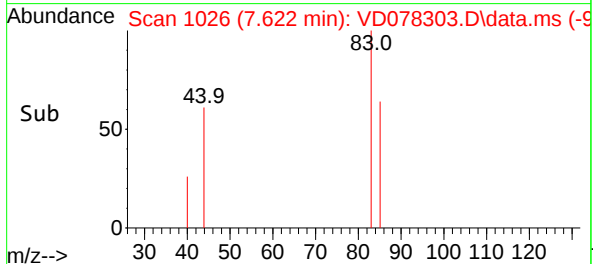
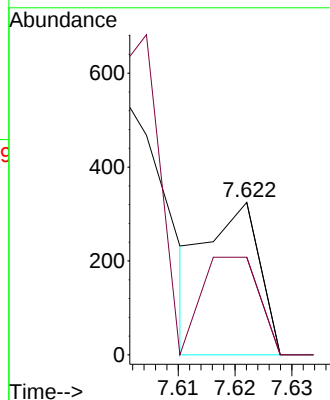
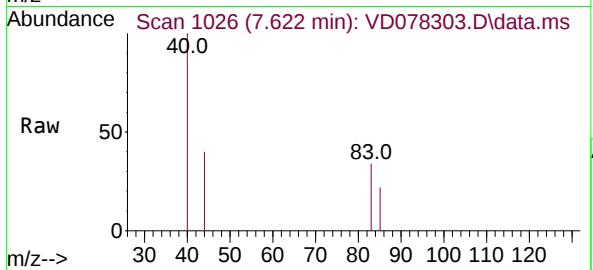




#25
Chloroform
Concen: 0.648 ug/L
RT: 7.622 min Scan# 1026
Delta R.T. 0.023 min
Lab File: VD078303.D
Acq: 01 Feb 2024 14:29

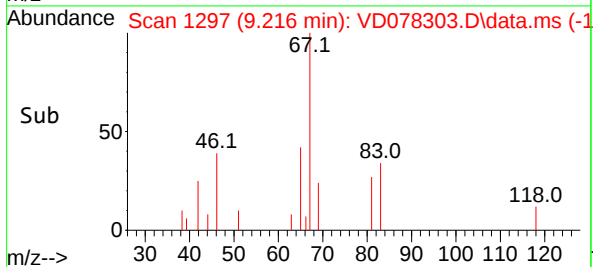
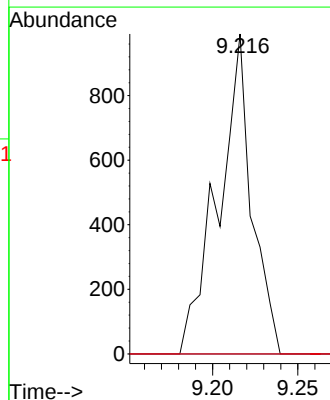
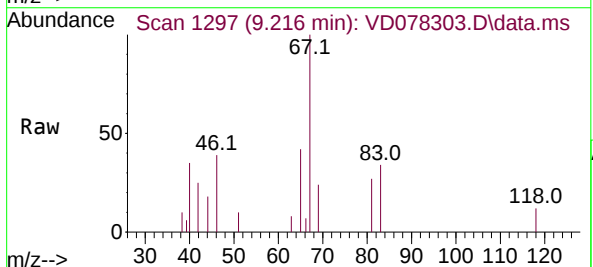
Instrument :
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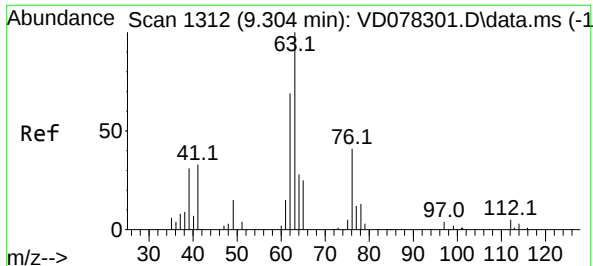
Tgt Ion: 83 Resp: 200
Ion Ratio Lower Upper
83 100
85 64.0 44.9 83.3



#35
Methylcyclohexane
Concen: 5.700 ug/L
RT: 9.216 min Scan# 1297
Delta R.T. -0.059 min
Lab File: VD078303.D
Acq: 01 Feb 2024 14:29

Tgt Ion: 83 Resp: 1355
Ion Ratio Lower Upper
83 100
55 0.0 56.2 84.4#
98 0.0 41.2 61.8#

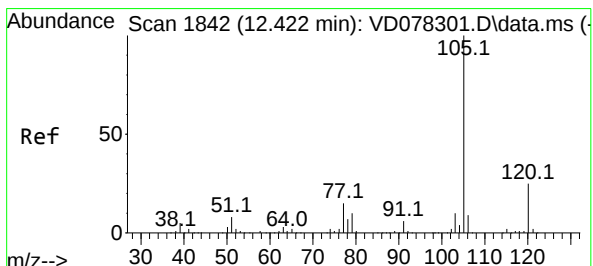
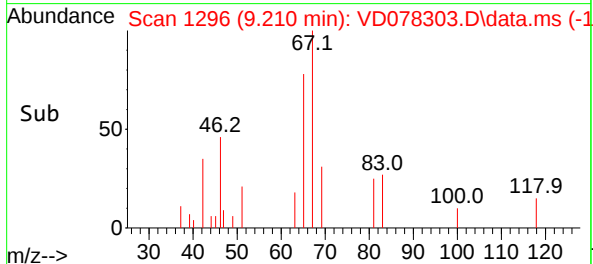
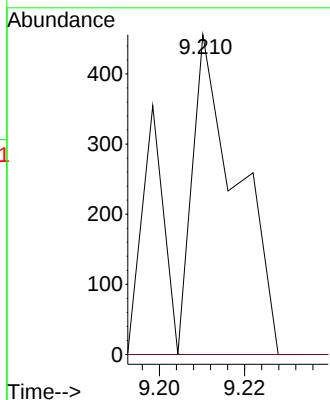
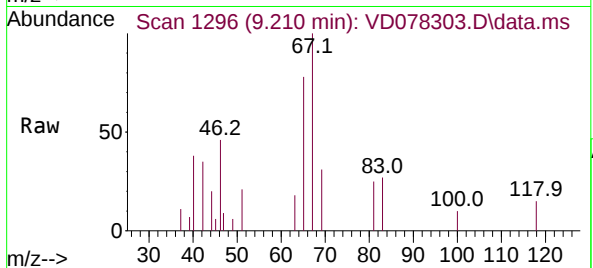




#37
1,2-Dichloropropane
Concen: 2.107 ug/L
RT: 9.210 min Scan# 11
Delta R.T. -0.094 min
Lab File: VD078303.D
Acq: 01 Feb 2024 14:29

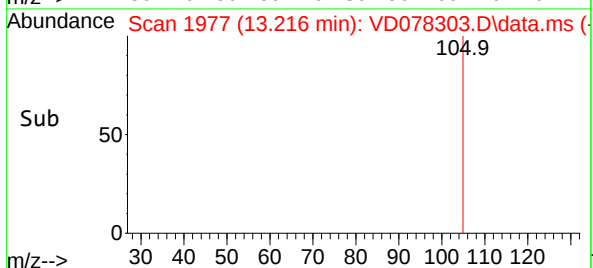
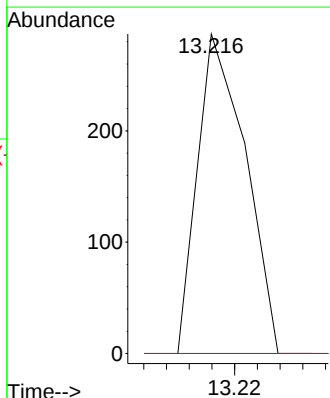
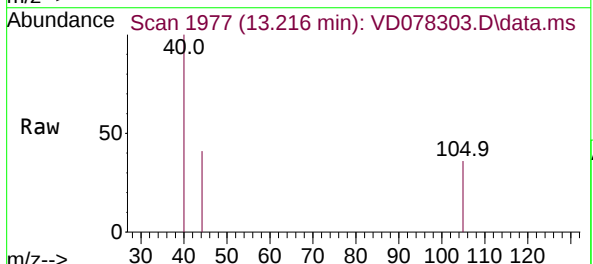
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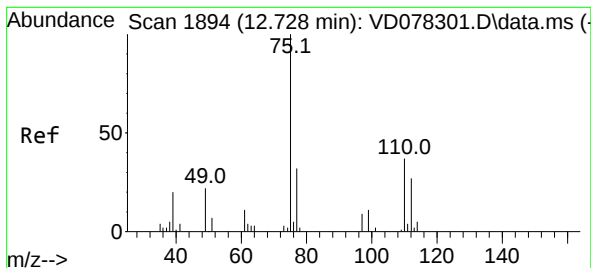
Tgt Ion: 63 Resp: 334
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



#60
Isopropylbenzene
Concen: 0.339 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.794 min
Lab File: VD078303.D
Acq: 01 Feb 2024 14:29

Tgt Ion: 105 Resp: 168
Ion Ratio Lower Upper
105 100
120 0.0 20.4 30.6#
77 32.1 12.4 18.6#





#61

1,2,3-Trichloropropane

Concen: 7.487 ug/L

RT: 13.516 min Scan# 20

Delta R.T. 0.788 min

Lab File: VD078303.D

Acq: 01 Feb 2024 14:29

Instrument :

MSVOA_D

ClientSampleId :

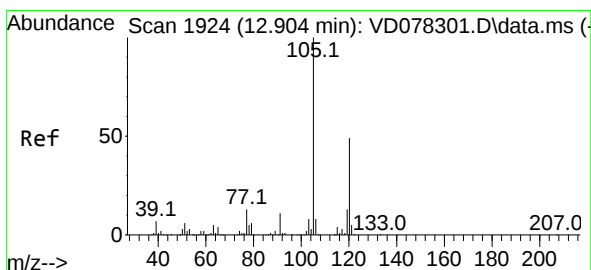
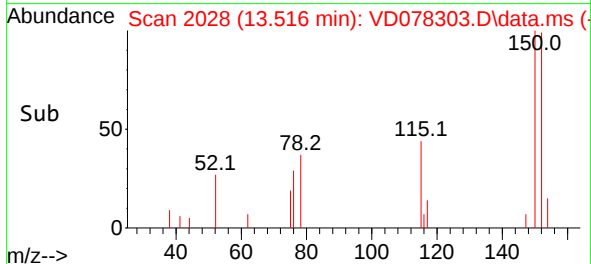
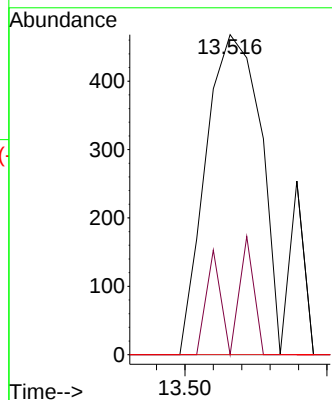
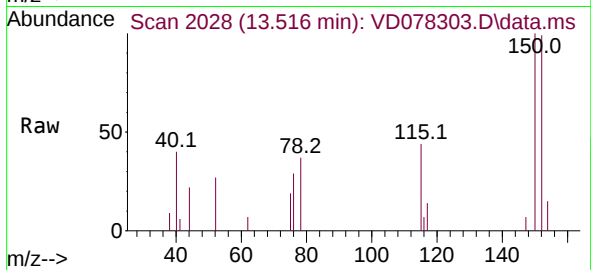
Tgt Ion: 75 Resp: 627

Ion Ratio Lower Upper

75 100

77 9.7 26.5 39.7#

110 0.0 31.8 47.8#



#62

1,3,5-Trimethylbenzene

Concen: 0.433 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. 0.312 min

Lab File: VD078303.D

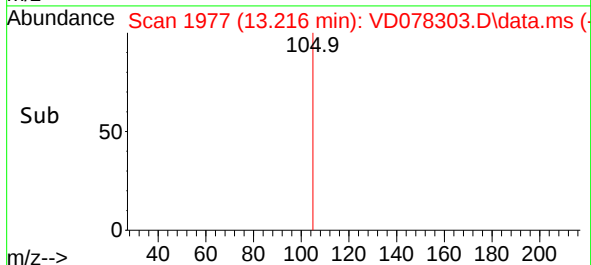
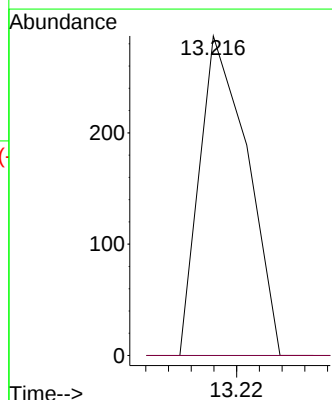
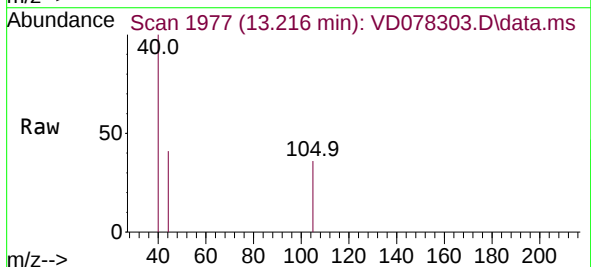
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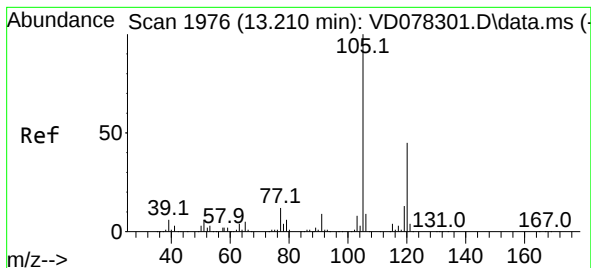
Tgt Ion: 105 Resp: 168

Ion Ratio Lower Upper

105 100

120 0.0 39.5 59.3#





#63

1,2,4-Trimethylbenzene

Concen: 0.437 ug/L

RT: 13.216 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VD078303.D

Acq: 01 Feb 2024 14:29

Instrument :

MSVOA_D

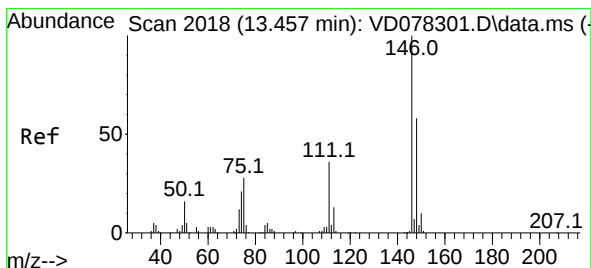
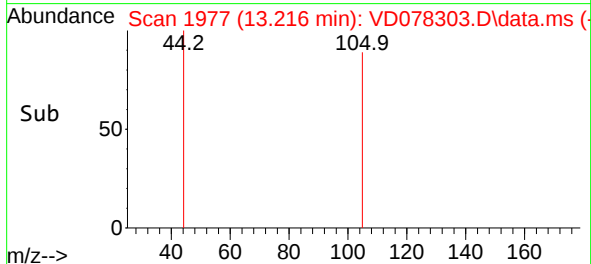
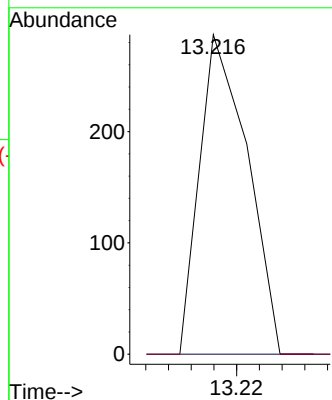
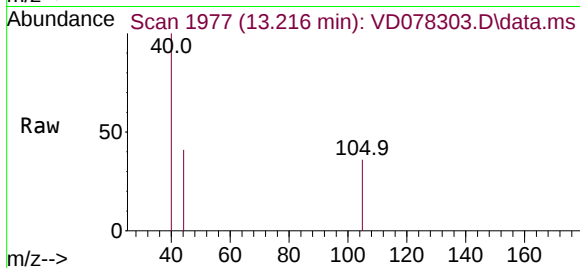
ClientSampleId :

Tgt Ion:105 Resp: 168

Ion Ratio Lower Upper

105 100

120 0.0 37.0 55.4#



#64

1,3-Dichlorobenzene

Concen: 0.673 ug/L

RT: 13.469 min Scan# 2020

Delta R.T. 0.012 min

Lab File: VD078303.D

Acq: 01 Feb 2024 14:29

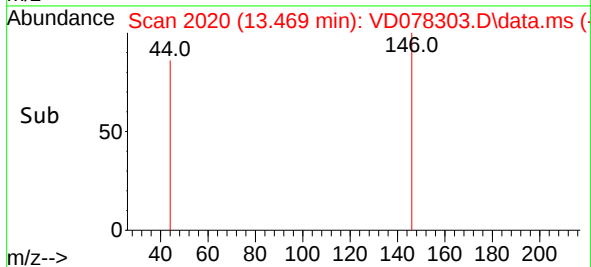
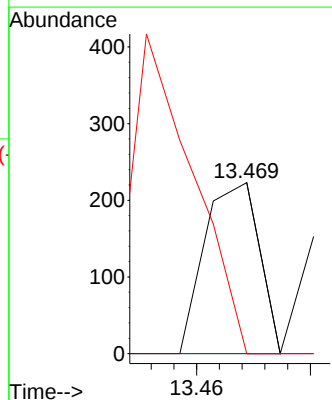
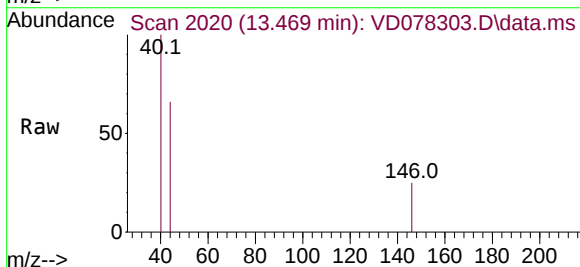
Tgt Ion:146 Resp: 149

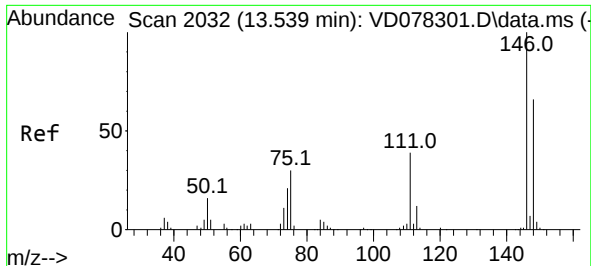
Ion Ratio Lower Upper

146 100

111 0.0 28.6 53.0#

148 0.0 46.5 86.3#

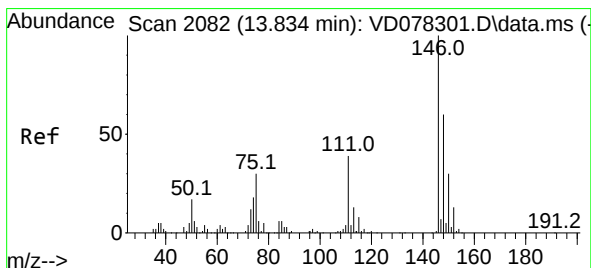
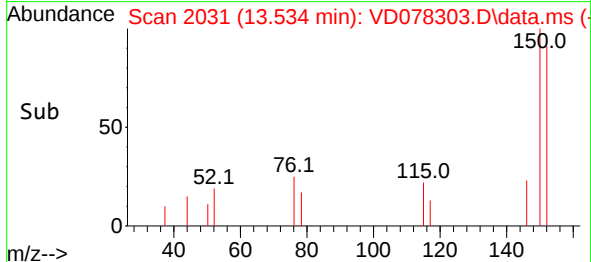
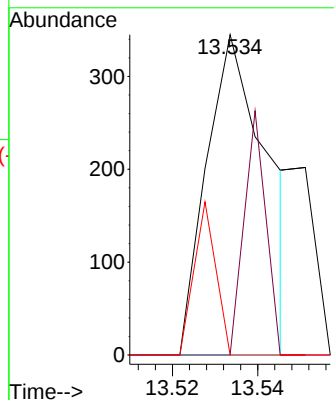
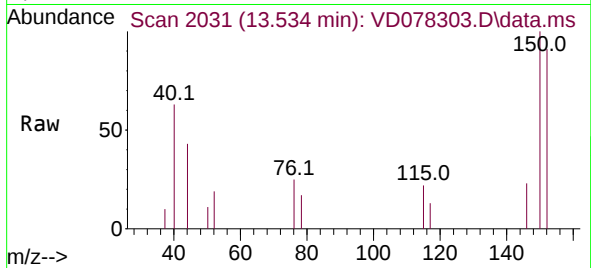




#65
1,4-Dichlorobenzene
Concen: 1.493 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD078303.D
Acq: 01 Feb 2024 14:29

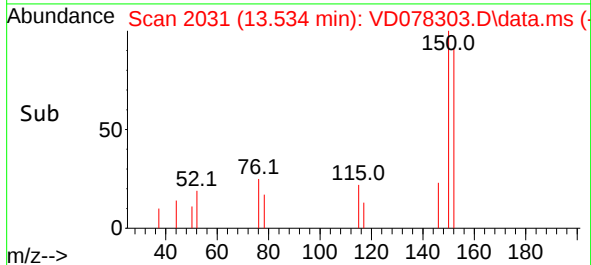
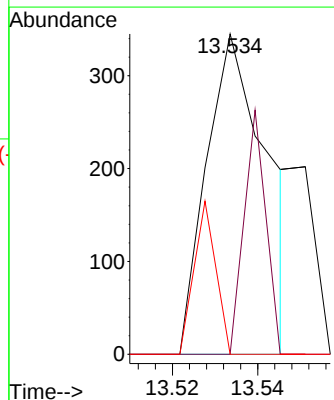
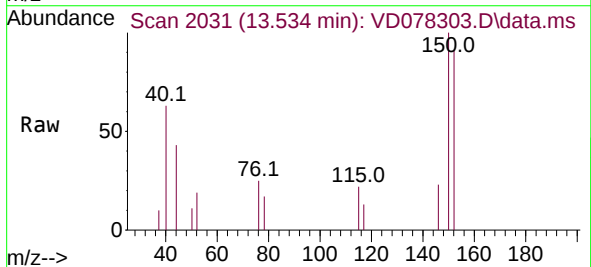
Instrument :
MSVOA_D
ClientSampleId :

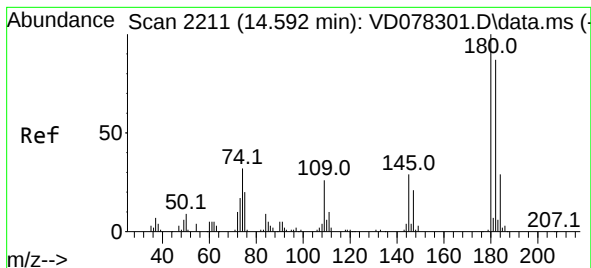
Tgt Ion:146 Resp: 346
Ion Ratio Lower Upper
146 100
111 0.0 26.4 49.0#
148 0.0 44.5 82.7#



#67
1,2-Dichlorobenzene
Concen: 1.652 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.300 min
Lab File: VD078303.D
Acq: 01 Feb 2024 14:29

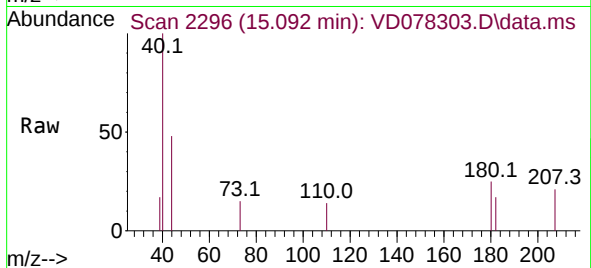
Tgt Ion:146 Resp: 346
Ion Ratio Lower Upper
146 100
111 0.0 33.6 50.4#
148 0.0 48.4 72.6#



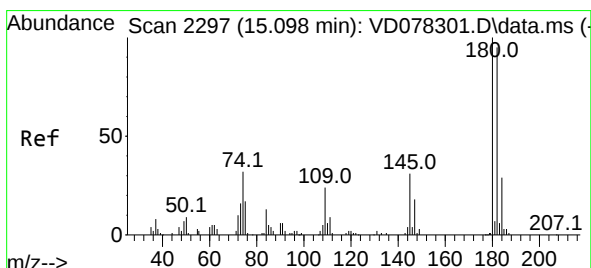
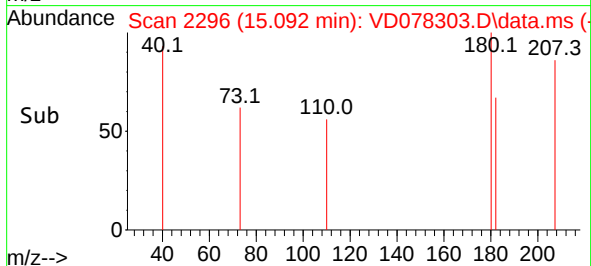
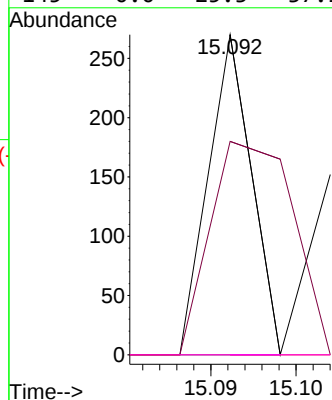


#69
1,3,5-Trichlorobenzene
Concen: 0.697 ug/L
RT: 15.092 min Scan# 2211
Delta R.T. 0.500 min
Lab File: VD078303.D
Acq: 01 Feb 2024 14:29

Instrument :
MSVOA_D
ClientSampleId :

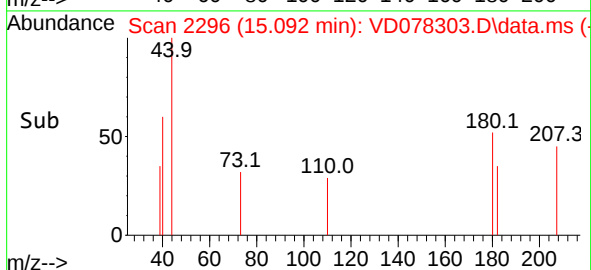
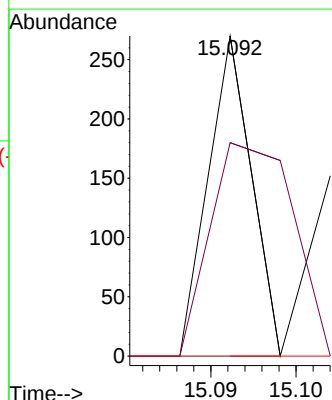
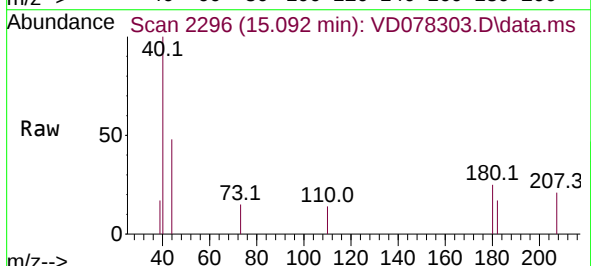


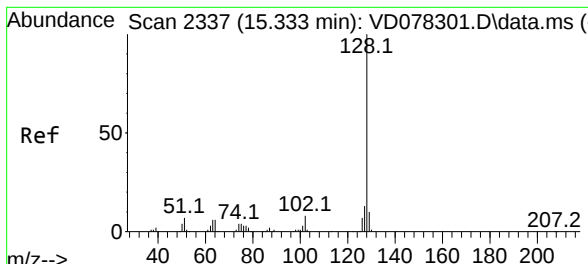
Tgt Ion:180	Resp:	95
Ion	Ratio	Lower Upper
180	100	
182	128.4	75.6 113.4#
184	0.0	23.2 34.8#
145	0.0	25.3 37.9#



#70
1,2,4-trichlorobenzene
Concen: 0.806 ug/L
RT: 15.092 min Scan# 2296
Delta R.T. -0.006 min
Lab File: VD078303.D
Acq: 01 Feb 2024 14:29

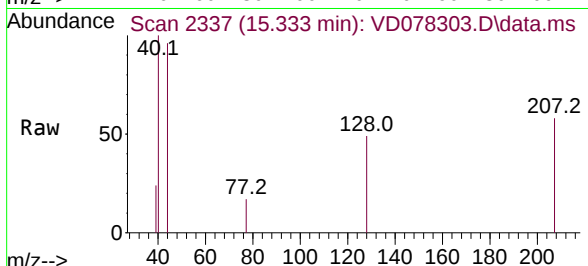
Tgt Ion:180	Resp:	95
Ion	Ratio	Lower Upper
180	100	
182	128.4	76.2 114.4#
145	0.0	25.0 37.6#





#71
 Naphthalene
 Concen: 1.373 ug/L
 RT: 15.333 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD078303.D
 Acq: 01 Feb 2024 14:29

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:128 Resp: 379

Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.6	12.8#

