

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012224\
 Data File : VW033812.D
 Acq On : 22 Jan 2024 18:58
 Operator : SY/MD
 Sample : P1191-03MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DCMQ5MSD

Quant Time: Jan 22 23:47:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 22 23:41:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	218300	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	205058	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	105118	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	68418	40.780	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	81.560%		
7) Chloroethane-d5	1.532	69	58763	44.228	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.460%		
11) 1,1-Dichloroethene-d2	2.060	65	33023	45.735	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.480%		
21) 2-Butanone-d5	3.783	46	86374	75.057	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	75.060%		
24) Chloroform-d	4.249	84	134724	44.908	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.820%		
26) 1,2-Dichloroethane-d4	4.941	65	88512	45.663	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.320%		
32) Benzene-d6	4.960	84	253773	43.531	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.060%		
36) 1,2-Dichloropropane-d6	5.989	67	79448	41.402	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	82.800%		
41) Toluene-d8	7.243	98	237364	45.190	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.380%		
43) trans-1,3-Dichloroprop...	7.551	79	41119	43.357	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.720%		
47) 2-Hexanone-d5	8.021	63	60931	76.549	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	76.550%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	98899	40.371	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	80.740%		
66) 1,2-Dichlorobenzene-d4	11.561	152	92617	46.439	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	74637	41.098	ug/L	98
3) Chloromethane	1.217	50	82592	39.994	ug/L	100
5) Vinyl chloride	1.285	62	92658	46.901	ug/L	86
6) Bromomethane	1.484	94	44451	43.051	ug/L	98
8) Chloroethane	1.548	64	58232	49.431	ug/L	95
9) Trichlorofluoromethane	1.716	101	129948	55.121	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	71119	51.204	ug/L	96
12) 1,1-Dichloroethene	2.072	96	67127	51.237	ug/L	91
13) Acetone	2.111	43	66010	59.994	ug/L	99
14) Carbon disulfide	2.243	76	200454	45.017	ug/L	99
15) Methyl Acetate	2.372	43	68208	37.910	ug/L #	100
16) Methylene chloride	2.449	84	72724	45.502	ug/L	94
17) trans-1,2-Dichloroethene	2.696	96	66128	45.186	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	244095	46.375	ug/L	99
19) 1,1-Dichloroethane	3.111	63	133852	44.737	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	77517	47.592	ug/L	95
22) 2-Butanone	3.863	43	88764	66.424	ug/L	96
23) Bromochloromethane	4.150	128	38425	48.561	ug/L #	84
25) Chloroform	4.275	83	135673	47.827	ug/L	99

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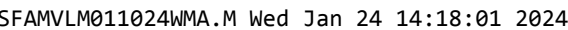
Instrument :
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 ClientSampleId :
 DCMQ5MSD

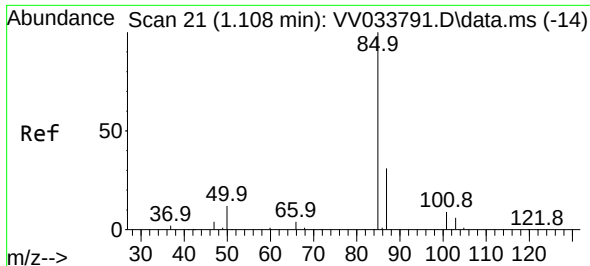
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 Quant Title : VOC Analysis
 QLast Update : Mon Jan 22 23:41:48 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	114513	48.330	ug/L	100
29) Cyclohexane	4.580	56	123201	42.618	ug/L	95
30) 1,1,1-Trichloroethane	4.513	97	126503	51.407	ug/L	99
31) Carbon tetrachloride	4.735	117	109873	52.309	ug/L	100
33) Benzene	5.008	78	279241	46.364	ug/L	100
34) Trichloroethene	5.834	95	74692	46.231	ug/L	98
35) Methylcyclohexane	6.050	83	122810	44.418	ug/L	96
37) 1,2-Dichloropropane	6.092	63	74856	45.166	ug/L	98
38) Bromodichloromethane	6.432	83	103253	47.623	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	124384	44.942	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	197660	80.487	ug/L	96
42) Toluene	7.313	91	301708	47.388	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	117311	45.996	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	71147	47.312	ug/L	98
46) Tetrachloroethene	7.905	164	58180	49.096	ug/L	96
48) 2-Hexanone	8.072	43	144306	73.746	ug/L	99
49) Dibromochloromethane	8.175	129	75154	47.985	ug/L	98
50) 1,2-Dibromoethane	8.281	107	73073	45.982	ug/L #	99
51) Chlorobenzene	8.812	112	191928	47.325	ug/L	100
52) Ethylbenzene	8.947	91	344831	46.762	ug/L	99
53) m,p-Xylene	9.072	106	127607	46.873	ug/L	99
54) o-Xylene	9.477	106	127114	47.163	ug/L	99
55) Styrene	9.497	104	214978	46.200	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	105613	44.130	ug/L	99
59) Bromoform	9.664	173	52462	46.958	ug/L	98
60) Isopropylbenzene	9.866	105	341576	48.027	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	84503	45.296	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	292696	47.965	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	290376	47.757	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	155951	48.544	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	156502	48.585	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	153904	49.030	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	23465	43.587	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	114395	48.188	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	104710	48.596	ug/L	99
71) Naphthalene	13.439	128	256556	45.566	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	101260	50.350	ug/L	98

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

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Response via : Initial Calibration

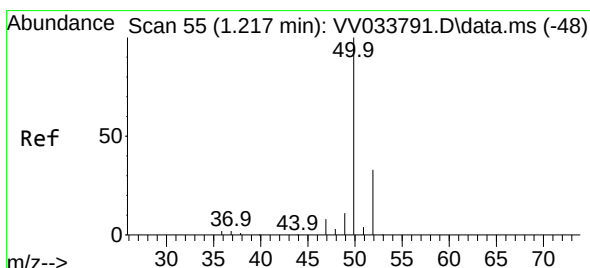
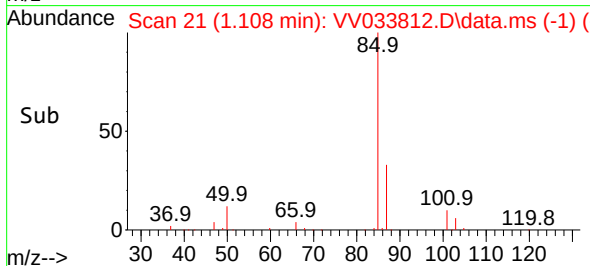
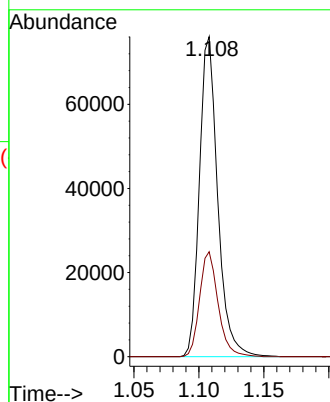
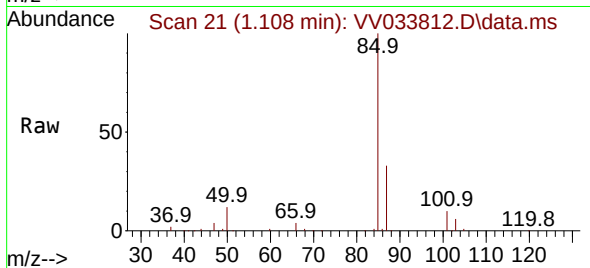




#2
 Dichlorodifluoromethane
 Concen: 41.098 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV033812.D
 Acq: 22 Jan 2024 18:58

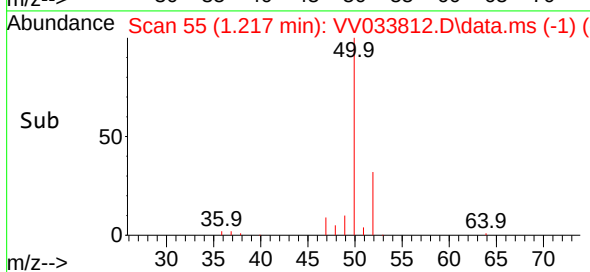
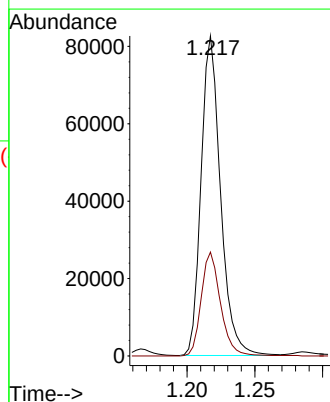
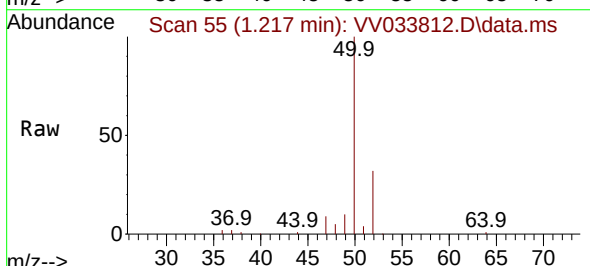
Instrument :
 MSVOA_V
 ClientSampleId :
 DCMQ5MSD

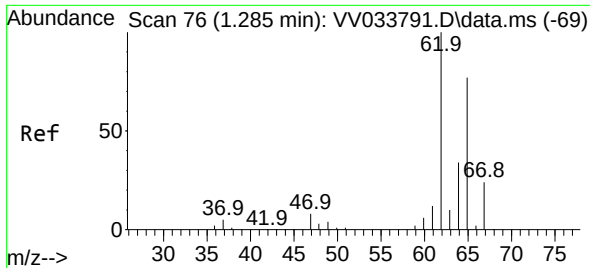
Tgt Ion: 85 Resp: 74637
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.8 38.6



#3
 Chloromethane
 Concen: 39.994 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV033812.D
 Acq: 22 Jan 2024 18:58

Tgt Ion: 50 Resp: 82592
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.8 42.4

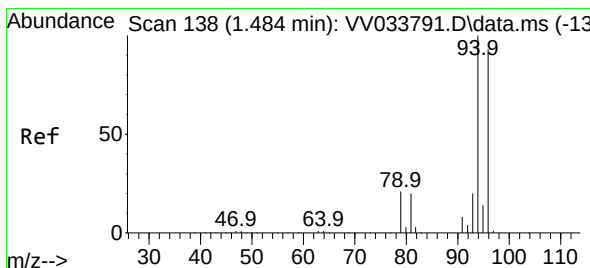
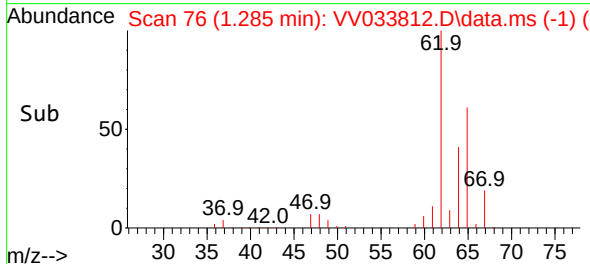
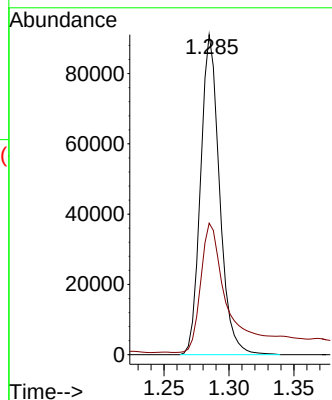
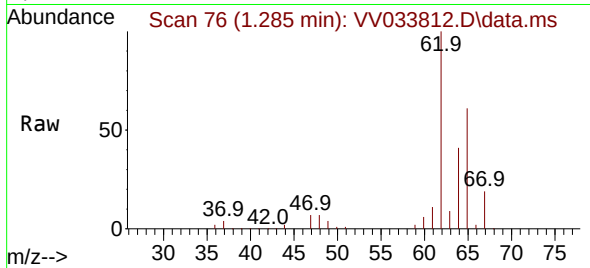




#5
 Vinyl chloride
 Concen: 46.901 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033812.D
 Acq: 22 Jan 2024 18:58

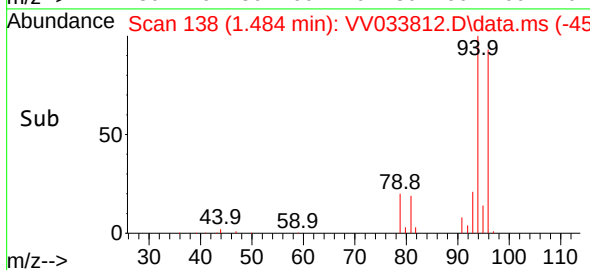
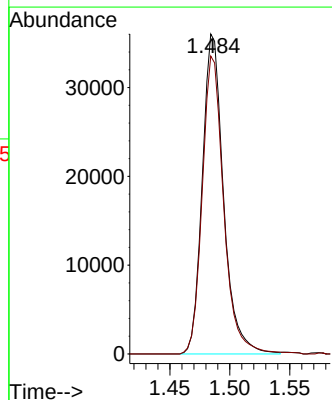
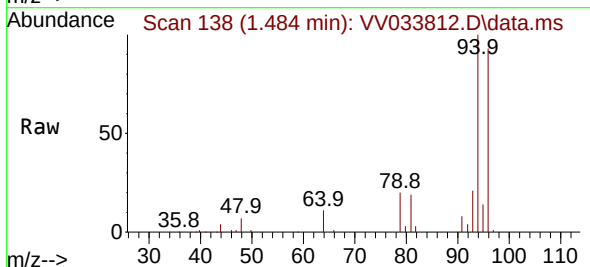
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 ClientSampleId :
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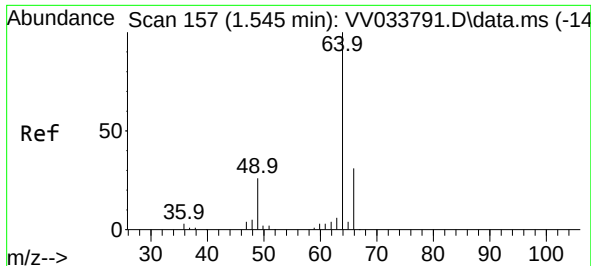
Tgt Ion: 62 Resp: 92658
 Ion Ratio Lower Upper
 62 100
 64 41.1 23.2 43.0



#6
 Bromomethane
 Concen: 43.051 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV033812.D
 Acq: 22 Jan 2024 18:58

Tgt Ion: 94 Resp: 44451
 Ion Ratio Lower Upper
 94 100
 96 93.1 66.4 123.2

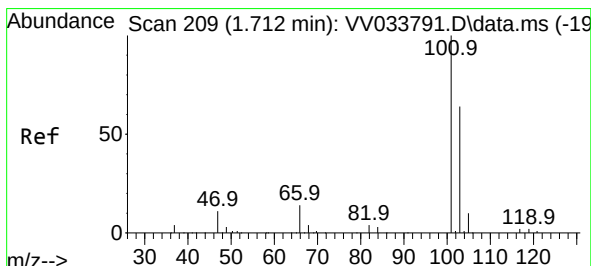
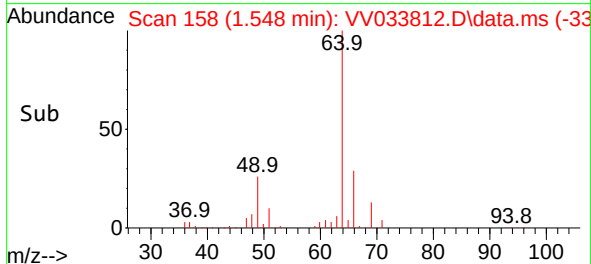
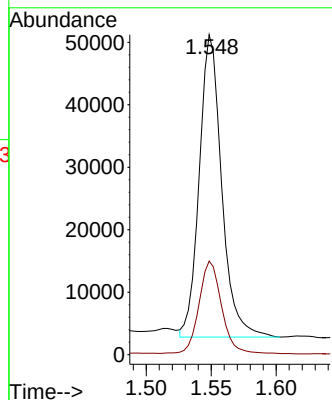
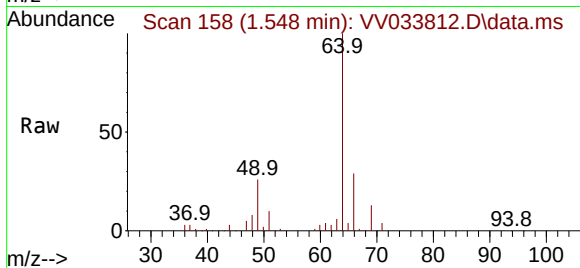




#8
Chloroethane
Concen: 49.431 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

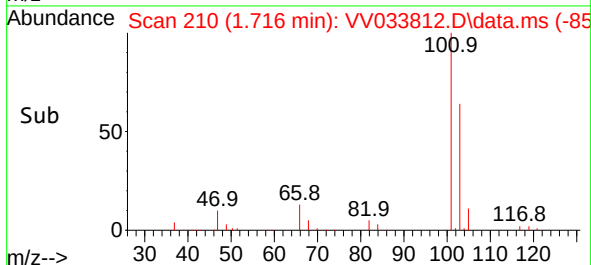
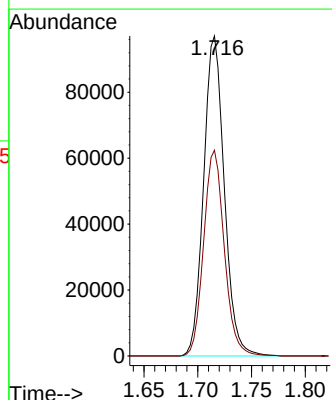
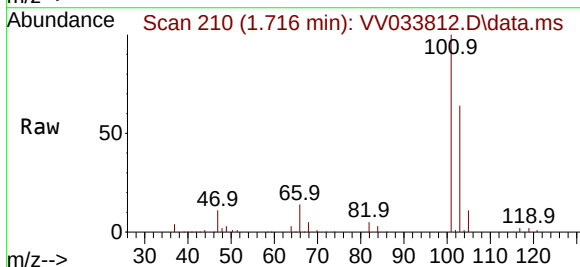
Instrument :
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ClientSampleId :
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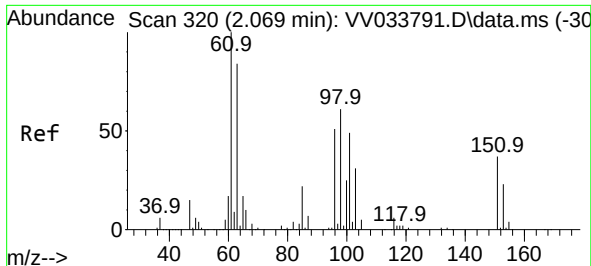
Tgt Ion: 64 Resp: 58232
Ion Ratio Lower Upper
64 100
66 29.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 55.121 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

Tgt Ion:101 Resp: 129948
Ion Ratio Lower Upper
101 100
103 64.3 51.3 76.9

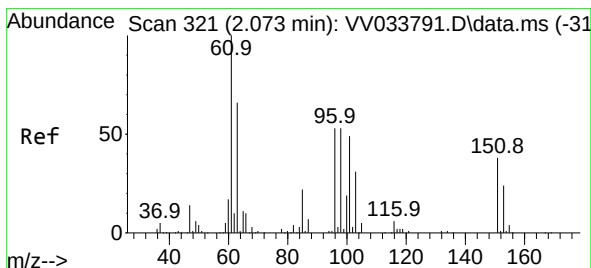
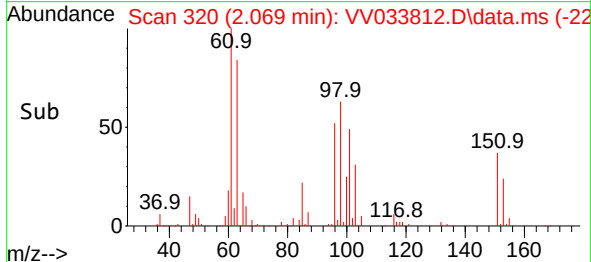
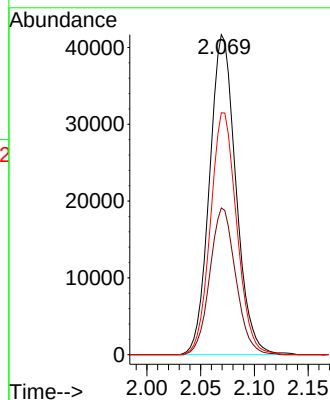
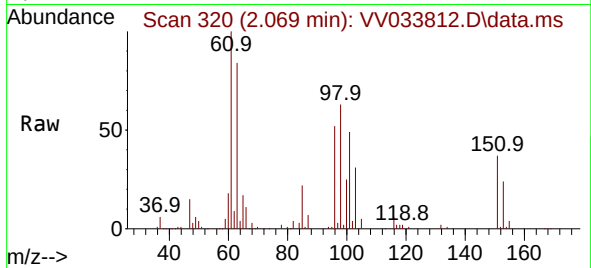




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.204 ug/L
 RT: 2.069 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV033812.D
 Acq: 22 Jan 2024 18:58

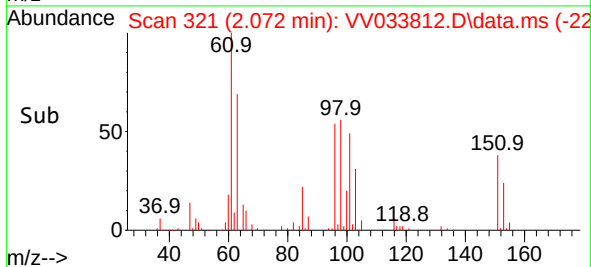
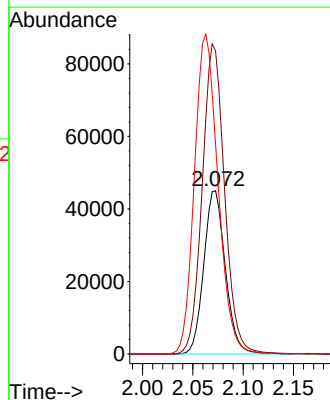
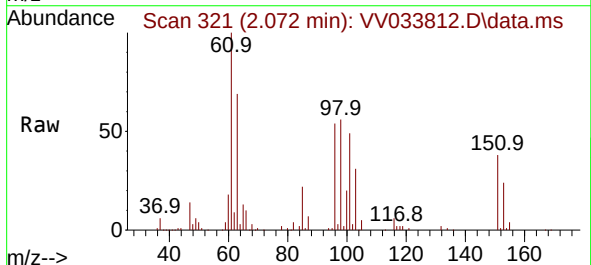
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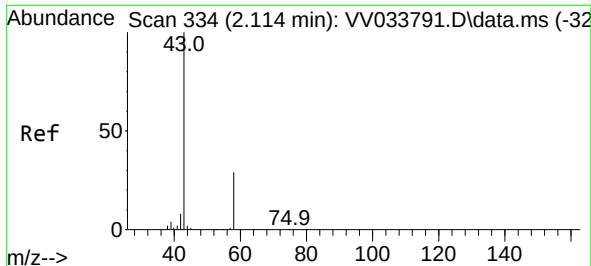
Tgt Ion:101 Resp: 71119
 Ion Ratio Lower Upper
 101 100
 85 45.0 36.2 54.4
 151 75.4 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 51.237 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV033812.D
 Acq: 22 Jan 2024 18:58

Tgt Ion: 96 Resp: 67127
 Ion Ratio Lower Upper
 96 100
 61 185.8 134.0 248.8
 63 128.8 103.4 192.0





#13

Acetone

Concen: 59.994 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

Instrument :

MSVOA_V

ClientSampleId :

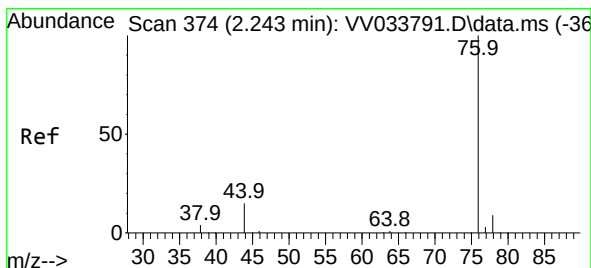
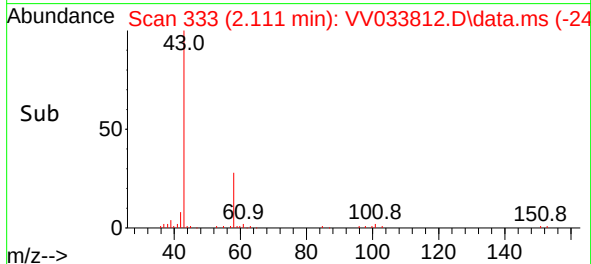
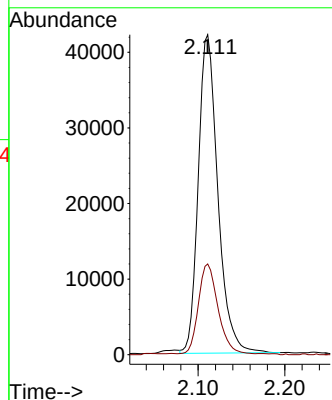
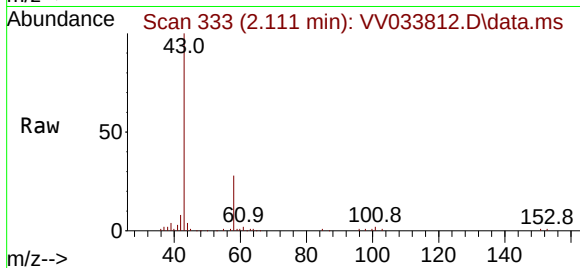
DCMQ5MSD

Tgt Ion: 43 Resp: 66010

Ion Ratio Lower Upper

43 100

58 28.3 0.0 57.2



#14

Carbon disulfide

Concen: 45.017 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV033812.D

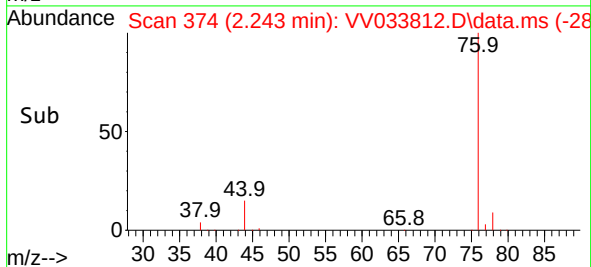
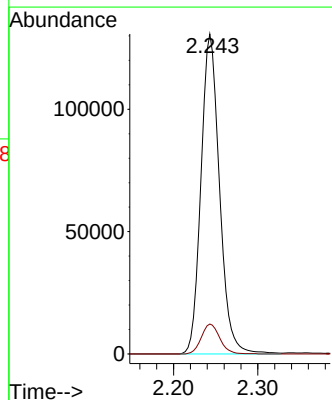
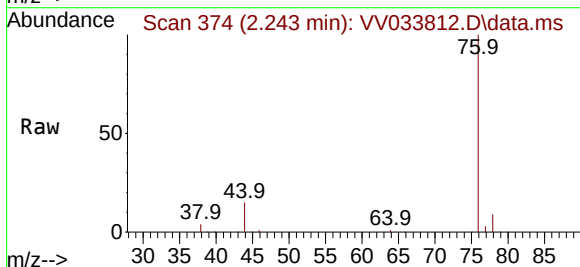
Acq: 22 Jan 2024 18:58

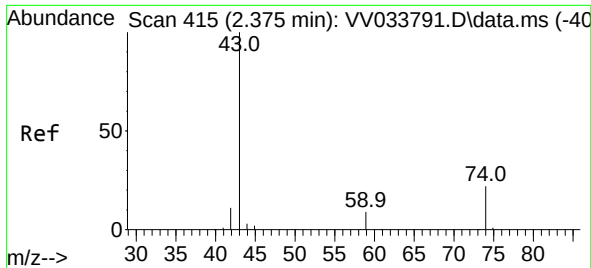
Tgt Ion: 76 Resp: 200454

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

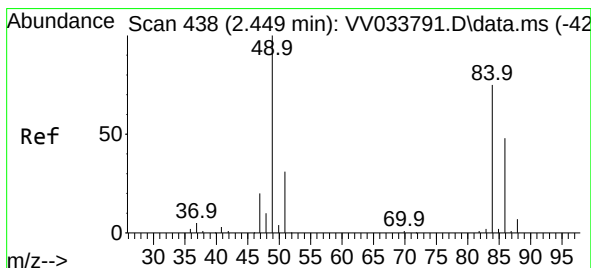
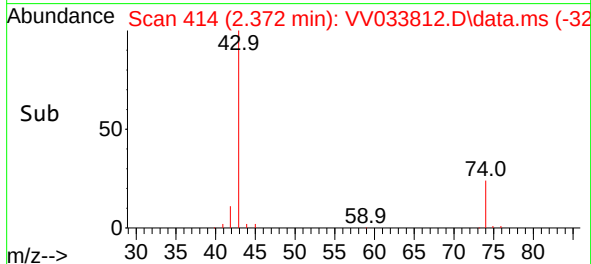
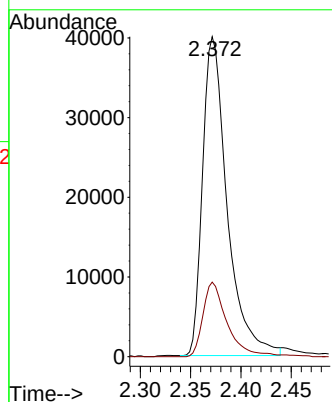
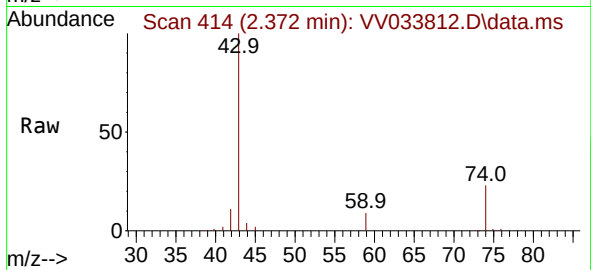




#15
Methyl Acetate
Concen: 37.910 ug/L
RT: 2.372 min Scan# 415
Delta R.T. -0.003 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

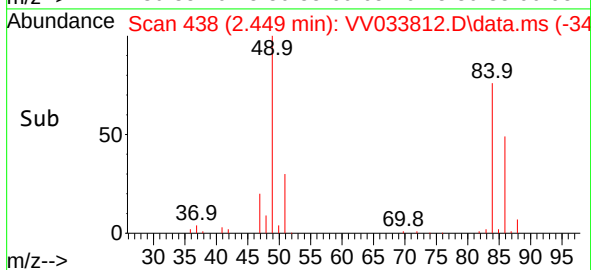
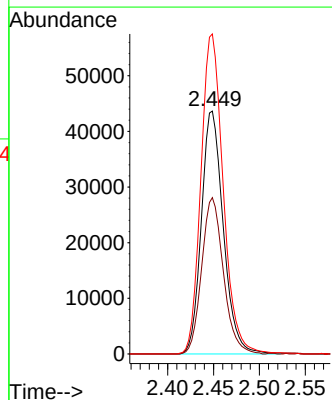
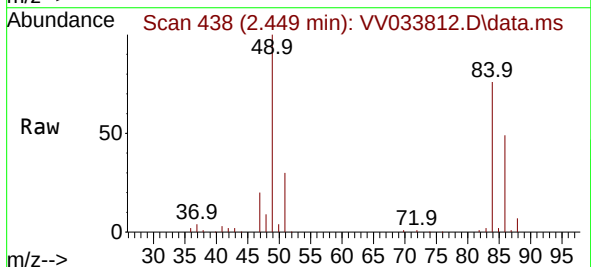
Instrument :
MSVOA_V
ClientSampleId :
DCMQ5MSD

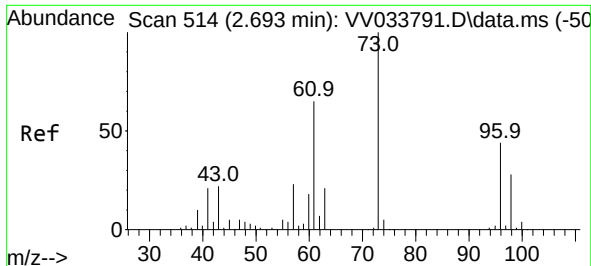
Tgt Ion: 43 Resp: 68208
Ion Ratio Lower Upper
43 100
74 22.8 0.0 0.0#



#16
Methylene chloride
Concen: 45.502 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

Tgt Ion: 84 Resp: 72724
Ion Ratio Lower Upper
84 100
86 64.4 43.9 81.5
49 131.8 98.3 182.5

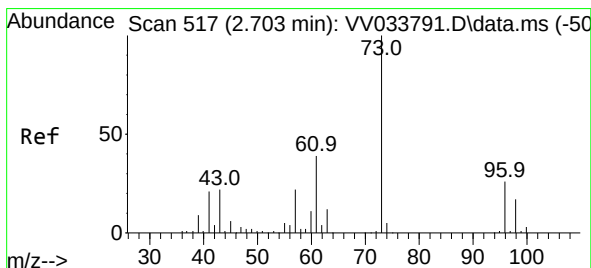
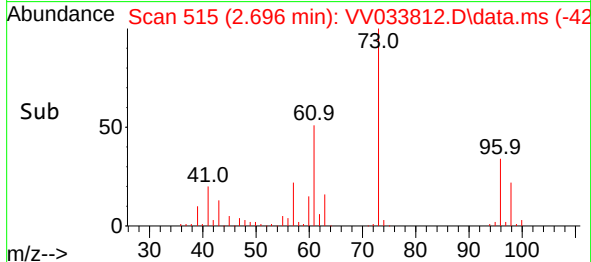
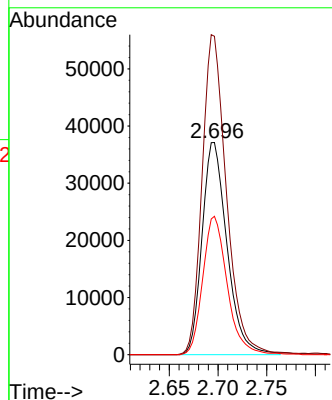
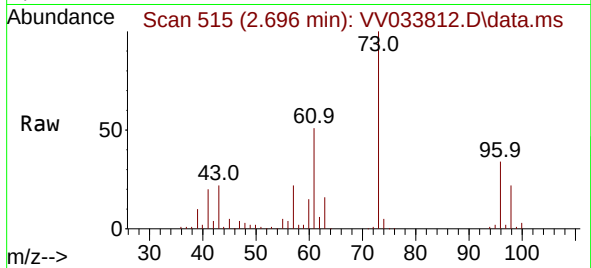




#17
trans-1,2-Dichloroethene
Concen: 45.186 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

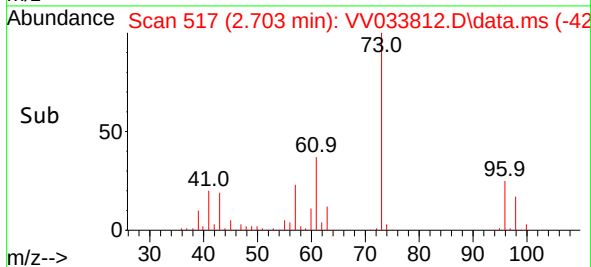
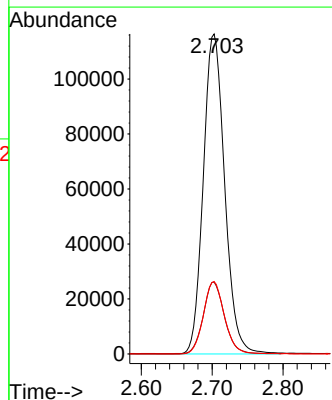
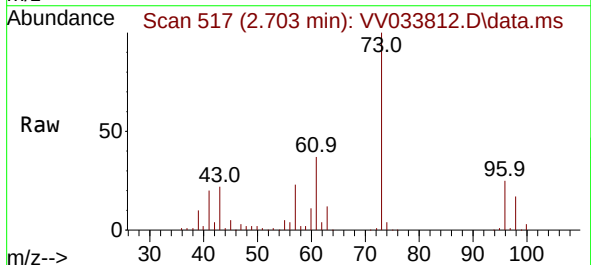
Instrument :
MSVOA_V
ClientSampleId :
DCMQ5MSD

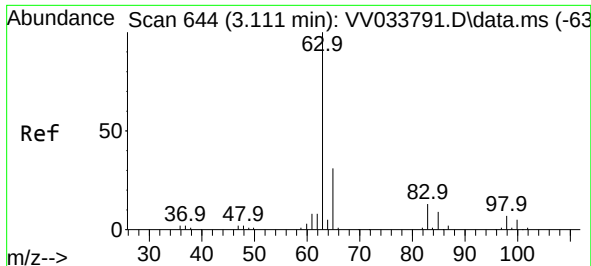
Tgt Ion: 96 Resp: 66128
Ion Ratio Lower Upper
96 100
61 150.1 108.4 201.4
98 65.3 43.8 81.4



#18
Methyl tert-butyl Ether
Concen: 46.375 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

Tgt Ion: 73 Resp: 244095
Ion Ratio Lower Upper
73 100
43 21.9 17.4 26.2
57 22.2 18.6 27.8





#19

1,1-Dichloroethane

Concen: 44.737 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.000 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

Instrument :

MSVOA_V

ClientSampleId :

DCMQ5MSD

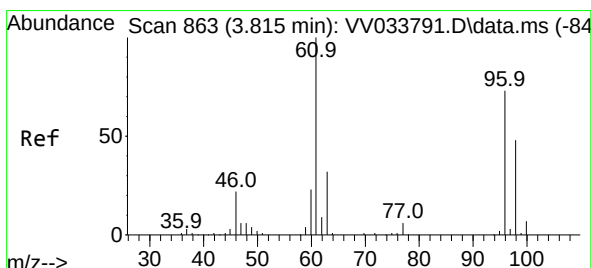
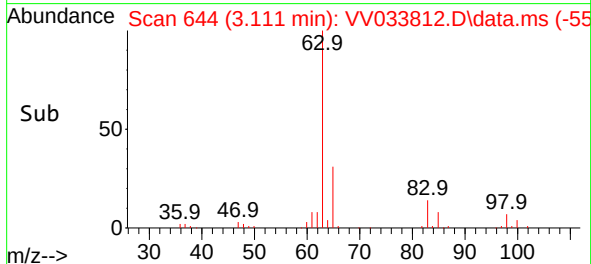
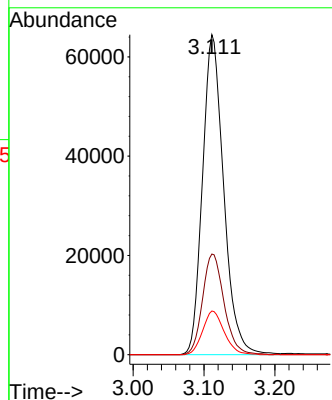
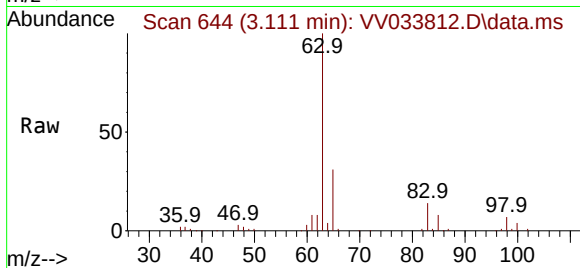
Tgt Ion: 63 Resp: 133852

Ion Ratio Lower Upper

63 100

65 31.5 22.4 41.6

83 13.7 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 47.592 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

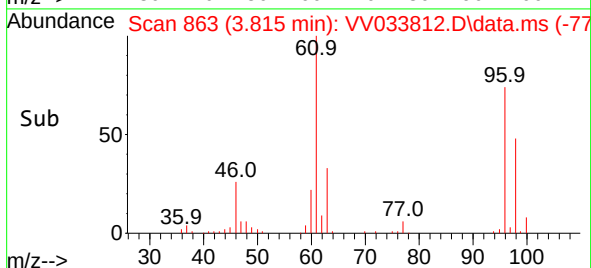
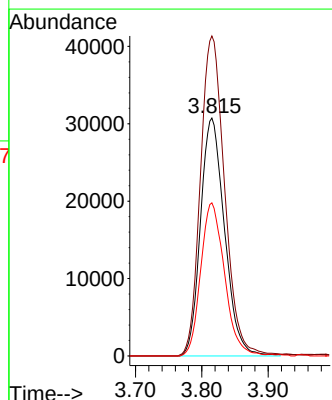
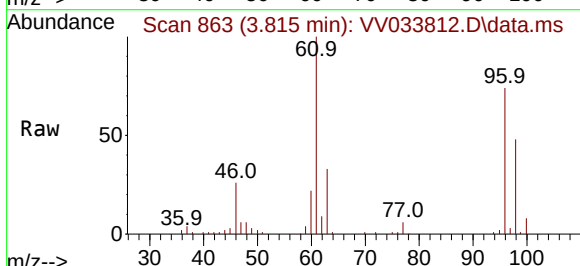
Tgt Ion: 96 Resp: 77517

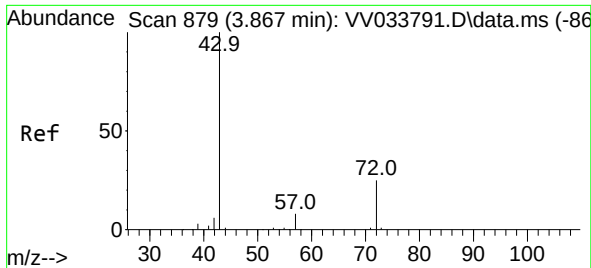
Ion Ratio Lower Upper

96 100

61 134.5 100.6 186.8

98 64.4 44.6 82.8

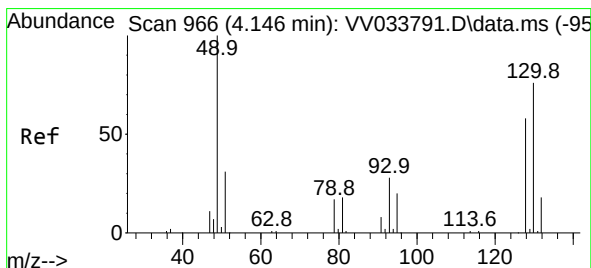
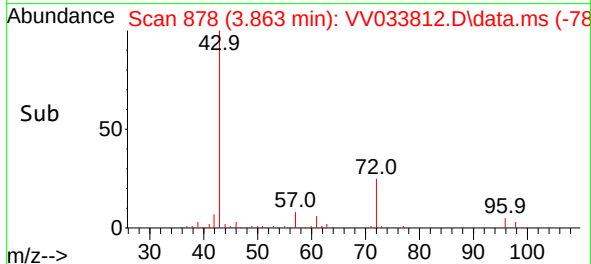
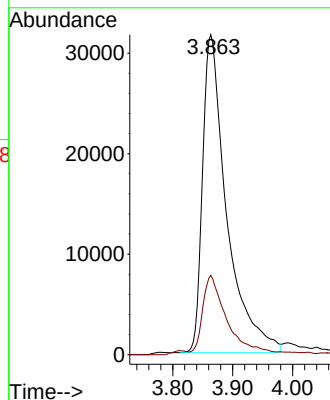
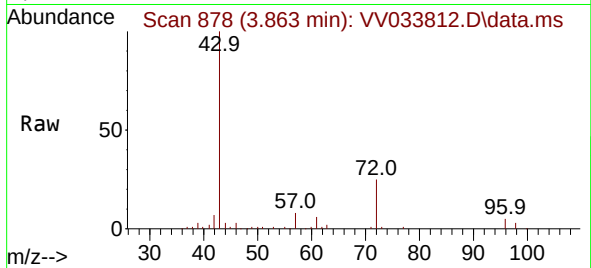




#22
2-Butanone
Concen: 66.424 ug/L
RT: 3.863 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

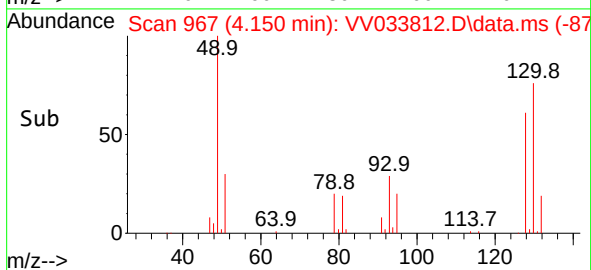
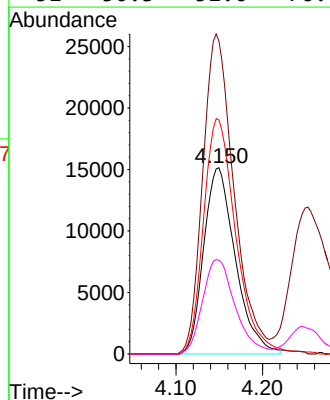
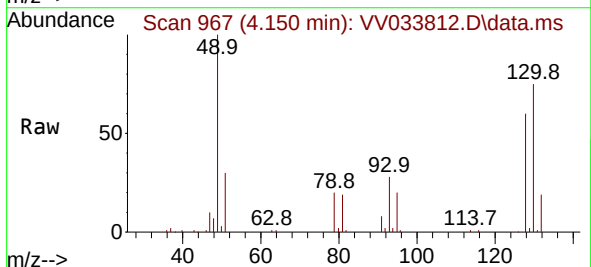
Instrument :
MSVOA_V
ClientSampleId :
DCMQ5MSD

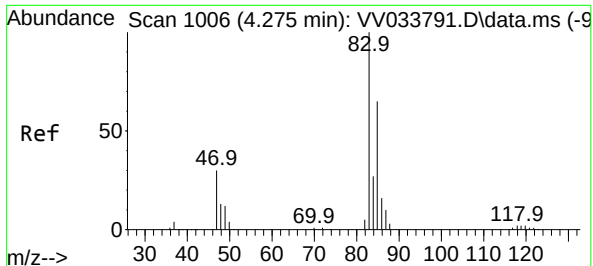
Tgt Ion: 43 Resp: 88764
Ion Ratio Lower Upper
43 100
72 22.0 11.9 35.5



#23
Bromochloromethane
Concen: 48.561 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

Tgt Ion:128 Resp: 38425
Ion Ratio Lower Upper
128 100
49 168.0 143.9 267.2
130 125.7 90.6 168.2
51 50.3 51.0 76.6#





#25

Chloroform

Concen: 47.827 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

Instrument :

MSVOA_V

ClientSampleId :

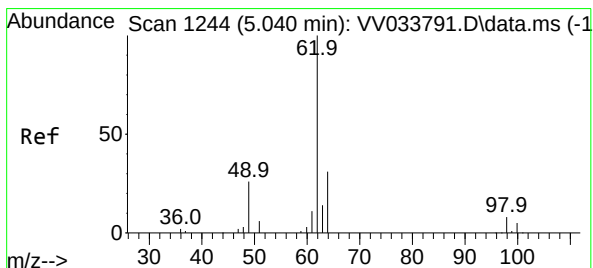
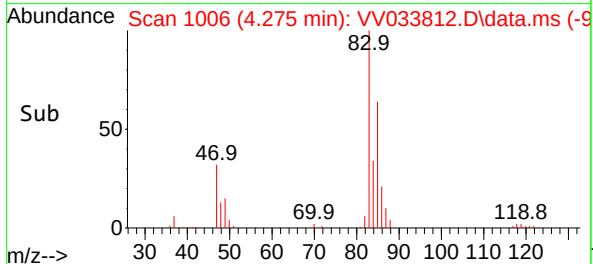
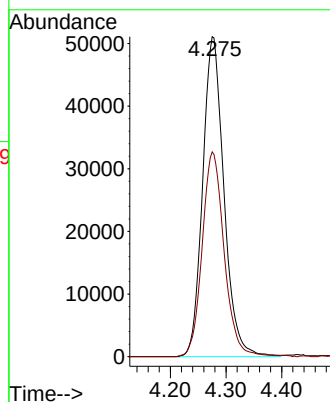
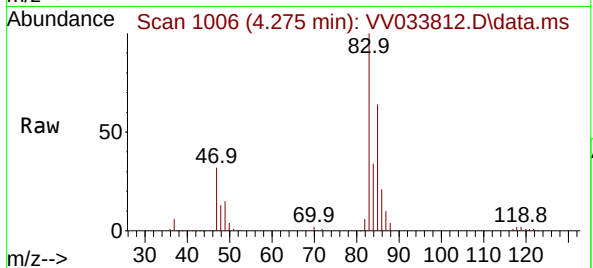
DCMQ5MSD

Tgt Ion: 83 Resp: 135673

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.9



#27

1,2-Dichloroethane

Concen: 48.330 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.000 min

Lab File: VV033812.D

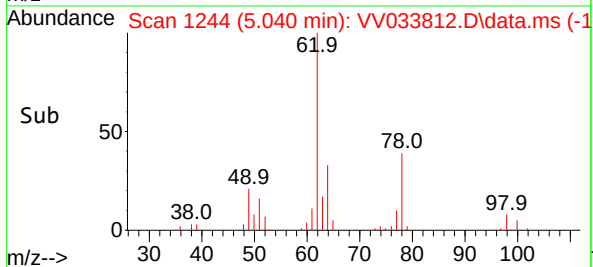
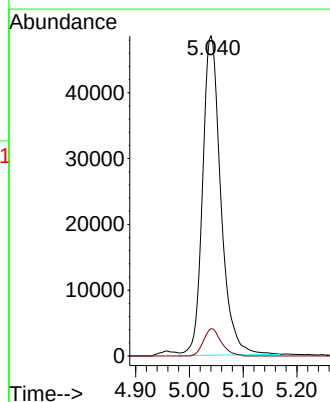
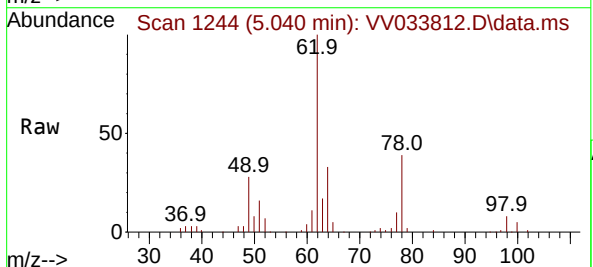
Acq: 22 Jan 2024 18:58

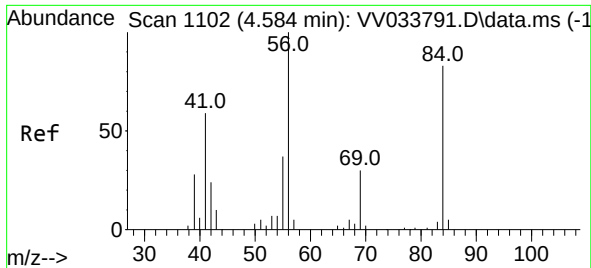
Tgt Ion: 62 Resp: 114513

Ion Ratio Lower Upper

62 100

98 8.5 6.8 10.2

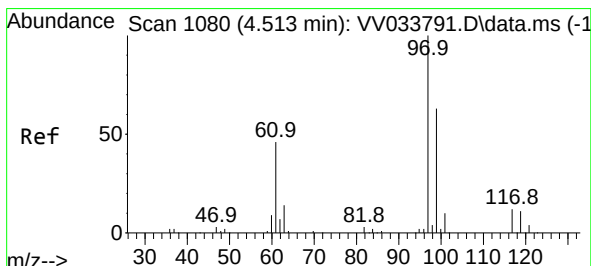
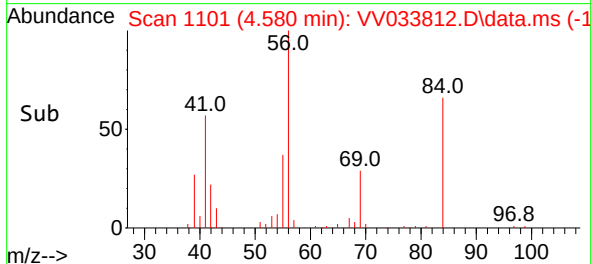
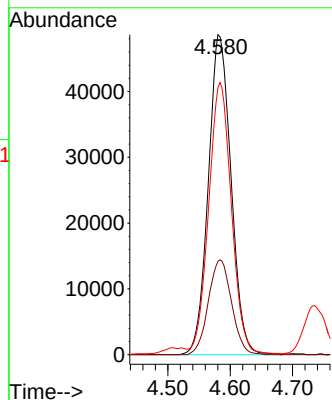
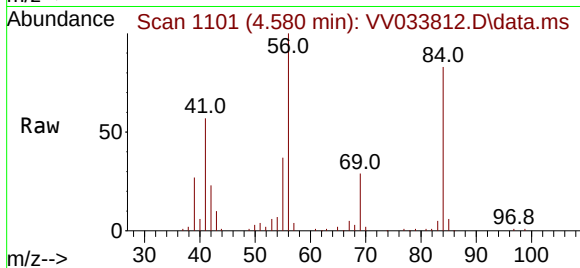




#29
Cyclohexane
Concen: 42.618 ug/L
RT: 4.580 min Scan# 1102
Delta R.T. -0.003 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

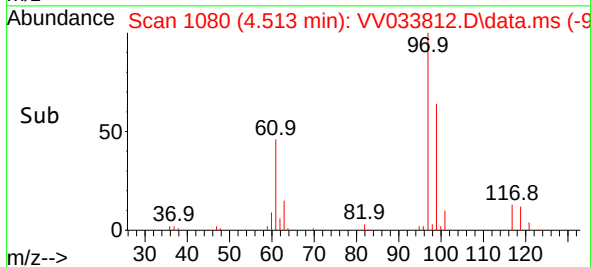
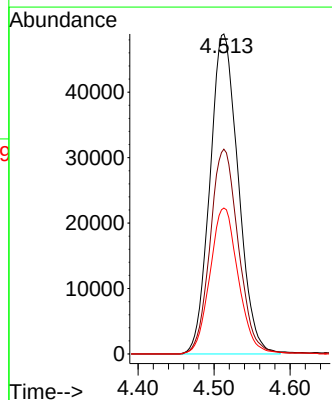
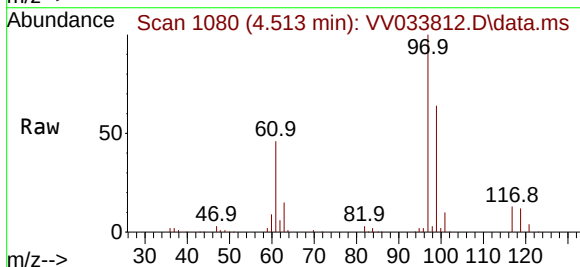
Instrument :
MSVOA_V
ClientSampleId :
DCMQ5MSD

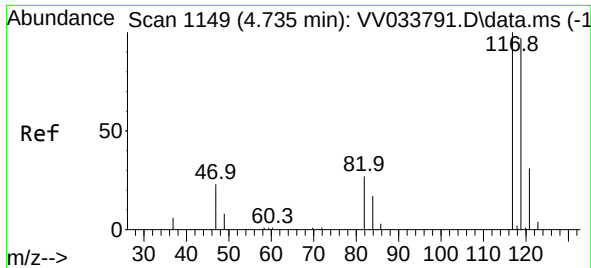
Tgt Ion:	56	Resp:	123201
Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.8	35.6
84	84.8	63.8	95.6



#30
1,1,1-Trichloroethane
Concen: 51.407 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

Tgt Ion:	97	Resp:	126503
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	45.7	38.2	57.2

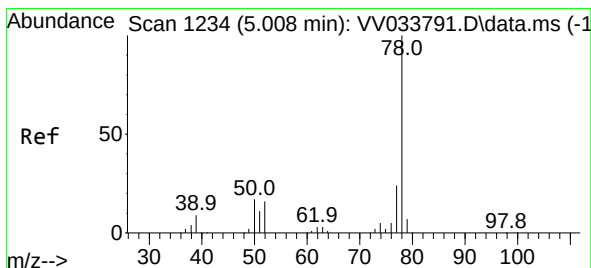
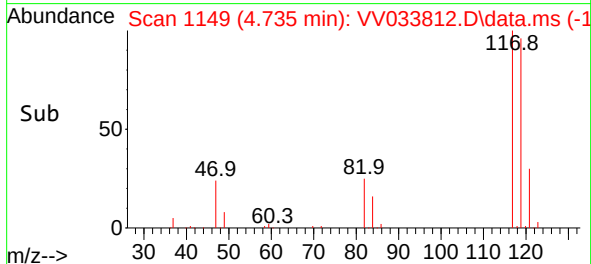
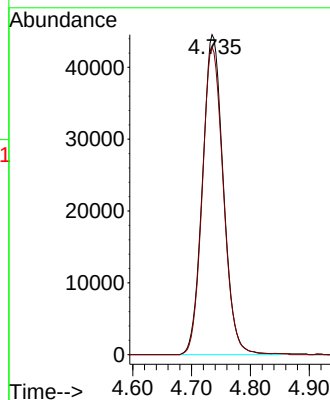
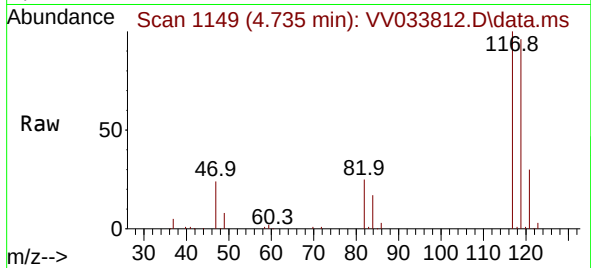




#31
Carbon tetrachloride
Concen: 52.309 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

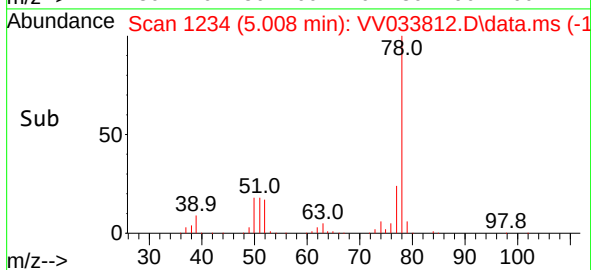
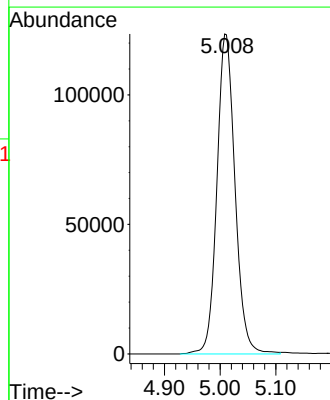
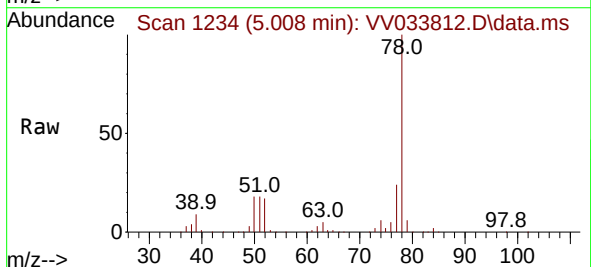
Instrument :
MSVOA_V
ClientSampleId :
DCMQ5MSD

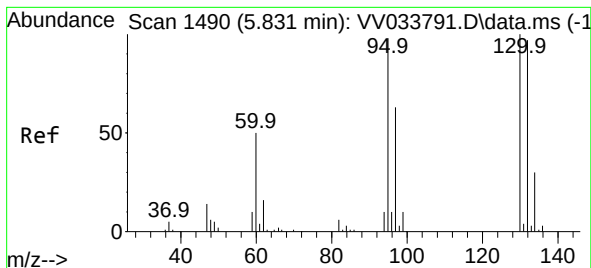
Tgt Ion:117 Resp: 109873
Ion Ratio Lower Upper
117 100
119 96.5 77.0 115.4



#33
Benzene
Concen: 46.364 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

Tgt Ion: 78 Resp: 279241





#34

Trichloroethene

Concen: 46.231 ug/L

RT: 5.834 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

Instrument :

MSVOA_V

ClientSampleId :

DCMQ5MSD

Tgt Ion: 95 Resp: 74692

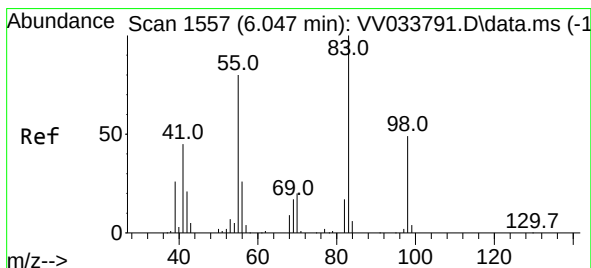
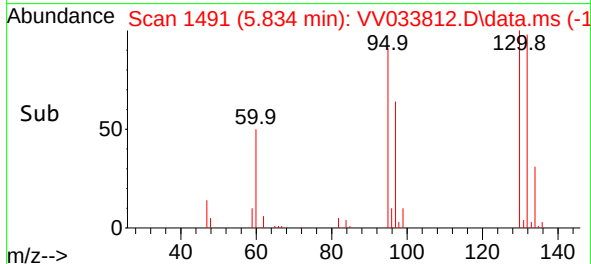
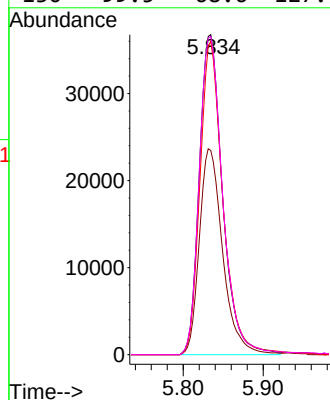
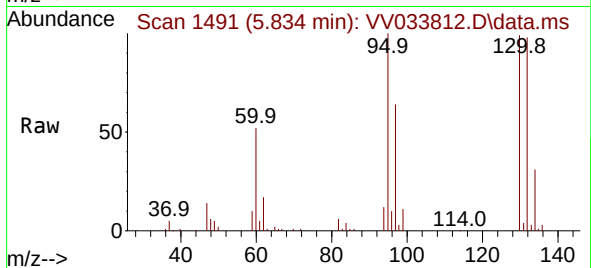
Ion Ratio Lower Upper

95 100

97 63.9 44.4 82.4

132 97.9 65.5 121.7

130 99.5 68.6 127.4



#35

Methylcyclohexane

Concen: 44.418 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

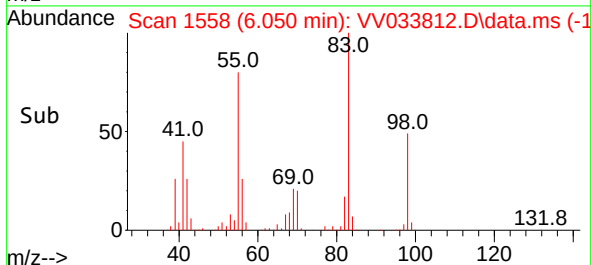
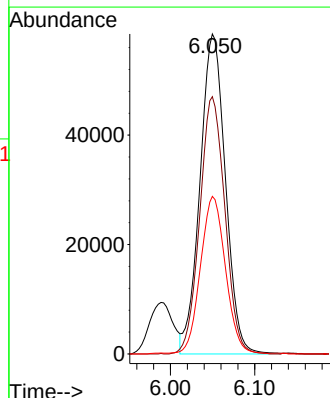
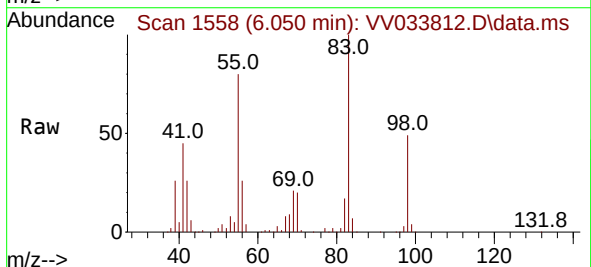
Tgt Ion: 83 Resp: 122810

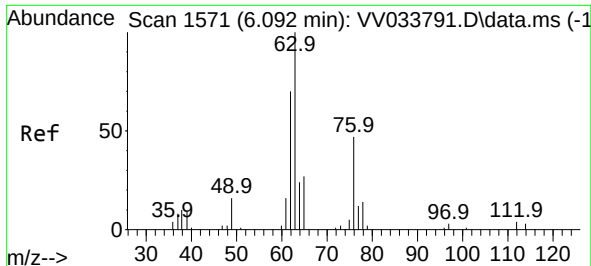
Ion Ratio Lower Upper

83 100

55 79.5 67.1 100.7

98 48.6 37.7 56.5





#37

1,2-Dichloropropane

Concen: 45.166 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

Instrument :

MSVOA_V

ClientSampleId :

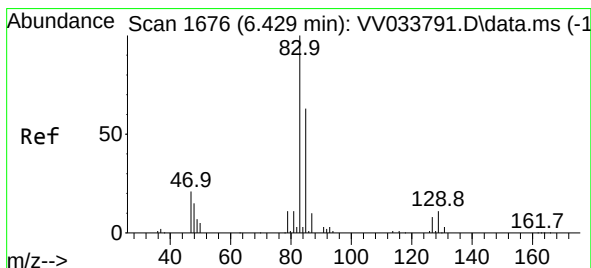
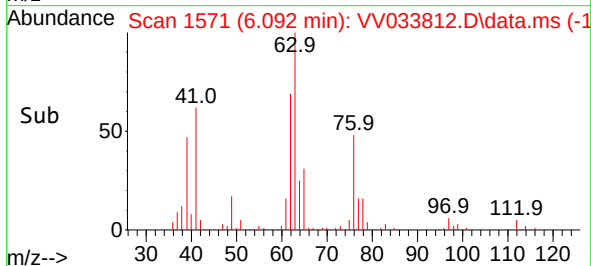
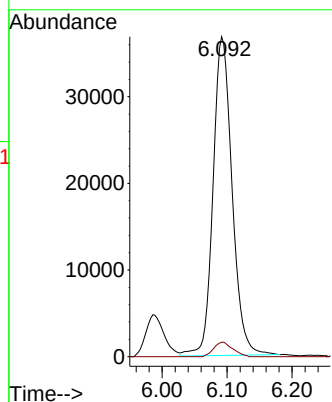
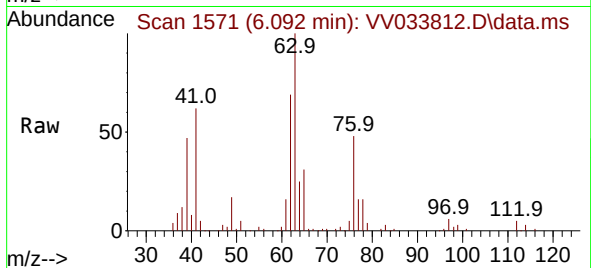
DCMQ5MSD

Tgt Ion: 63 Resp: 74856

Ion Ratio Lower Upper

63 100

112 4.6 3.1 4.7



#38

Bromodichloromethane

Concen: 47.623 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

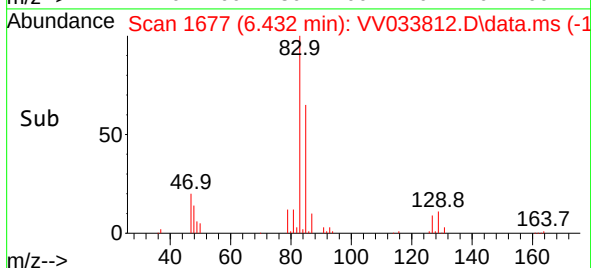
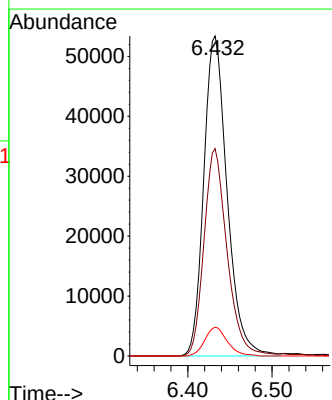
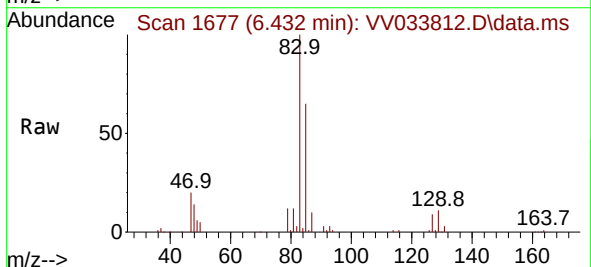
Tgt Ion: 83 Resp: 103253

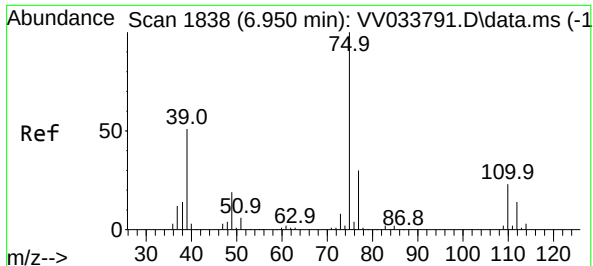
Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7

127 9.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 44.942 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

Instrument :

MSVOA_V

ClientSampleId :

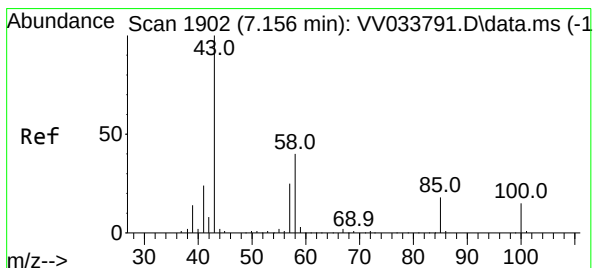
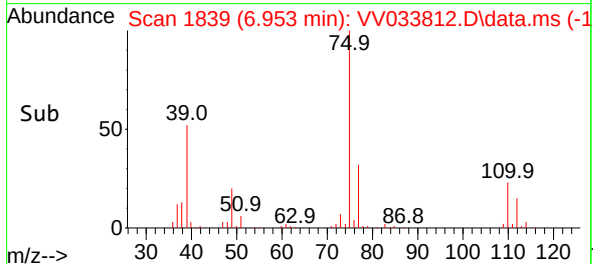
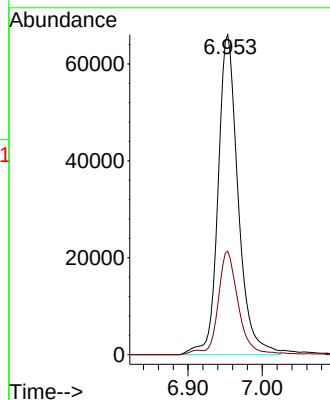
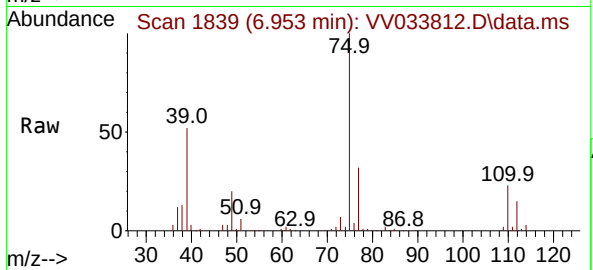
DCMQ5MSD

Tgt Ion: 75 Resp: 124384

Ion Ratio Lower Upper

75 100

77 32.3 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 80.487 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

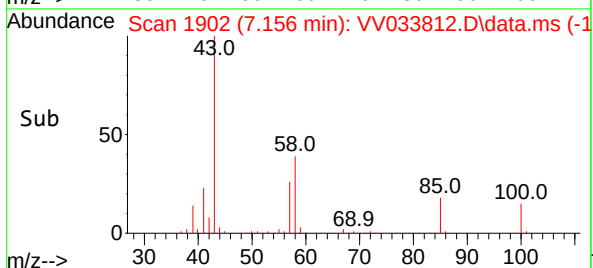
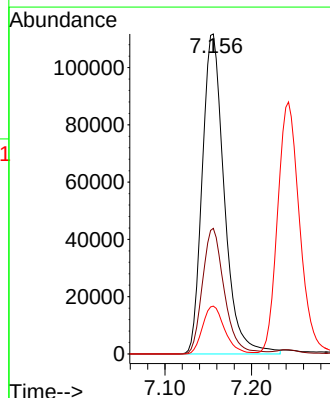
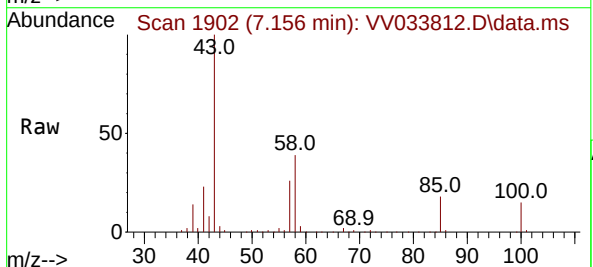
Tgt Ion: 43 Resp: 197660

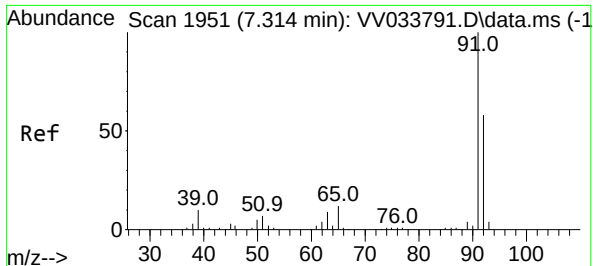
Ion Ratio Lower Upper

43 100

58 39.0 29.6 44.4

100 15.0 10.6 16.0





#42

Toluene

Concen: 47.388 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

Instrument :

MSVOA_V

ClientSampleId :

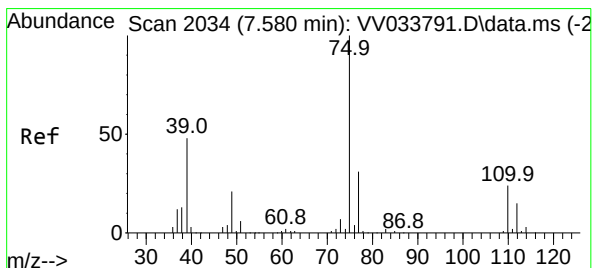
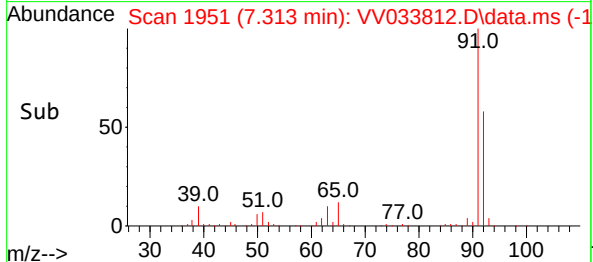
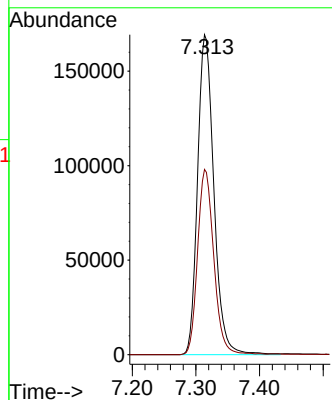
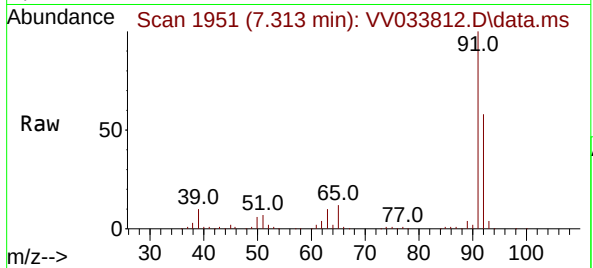
DCMQ5MSD

Tgt Ion: 91 Resp: 301708

Ion Ratio Lower Upper

91 100

92 57.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 45.996 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.000 min

Lab File: VV033812.D

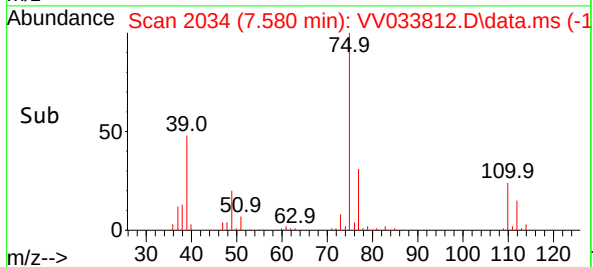
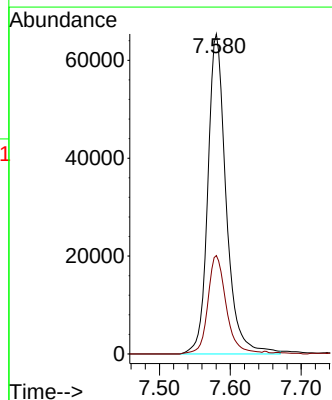
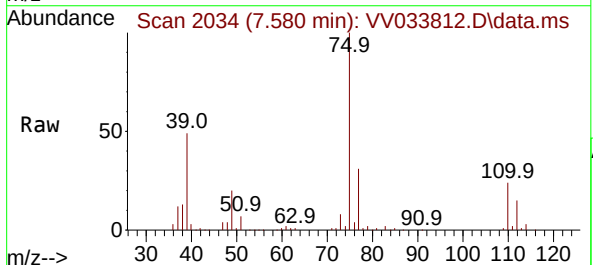
Acq: 22 Jan 2024 18:58

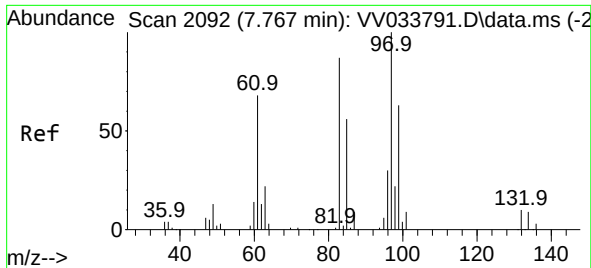
Tgt Ion: 75 Resp: 117311

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0

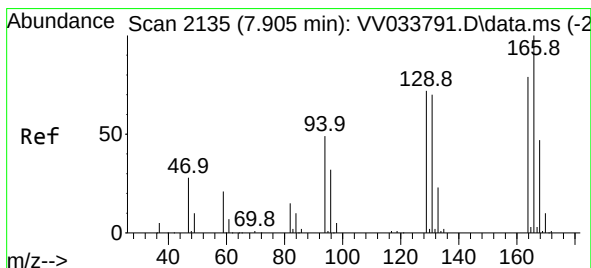
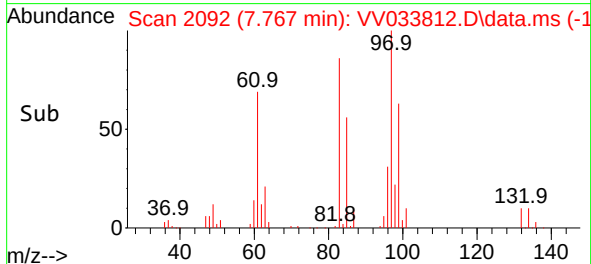
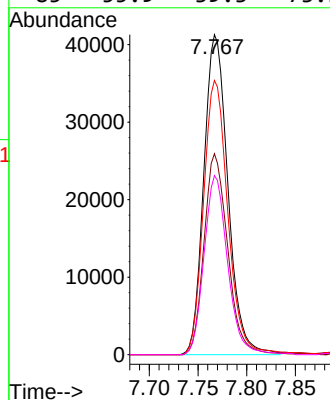
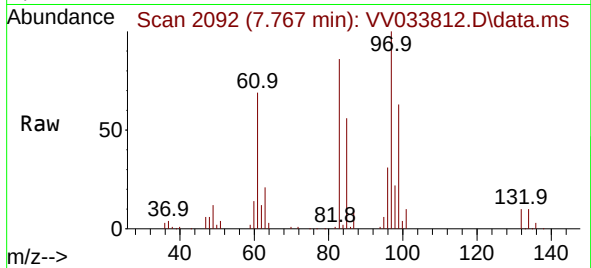




#45
1,1,2-Trichloroethane
Concen: 47.312 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

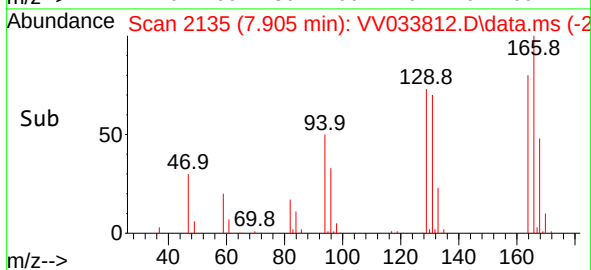
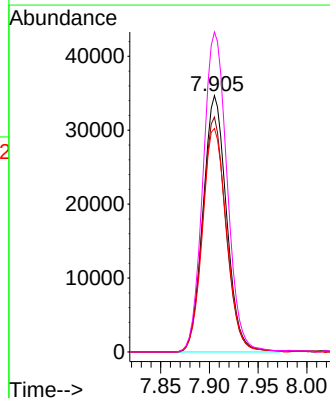
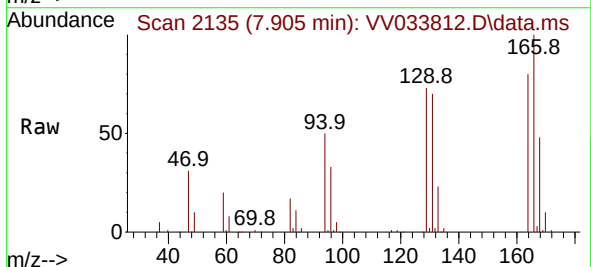
Instrument :
MSVOA_V
ClientSampleId :
DCMQ5MSD

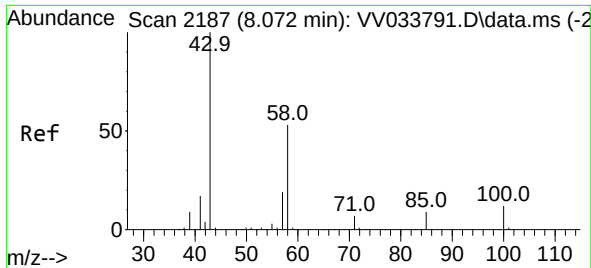
Tgt Ion:	97	Resp:	71147
Ion	Ratio	Lower	Upper
97	100		
99	62.8	42.8	79.6
83	85.7	61.2	113.8
85	55.9	39.3	73.1



#46
Tetrachloroethene
Concen: 49.096 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

Tgt Ion:	164	Resp:	58180
Ion	Ratio	Lower	Upper
164	100		
129	91.6	66.1	122.7
131	87.2	65.9	122.5
166	124.9	88.5	164.3

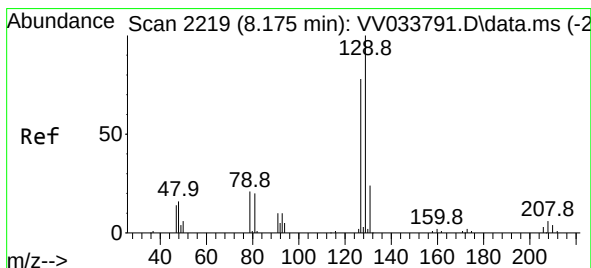
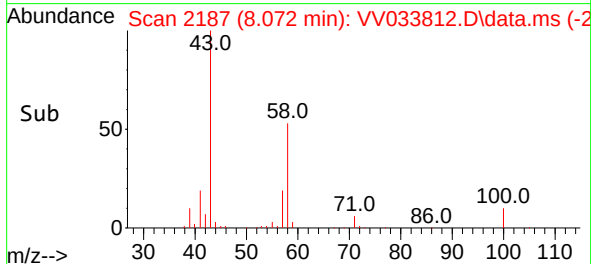
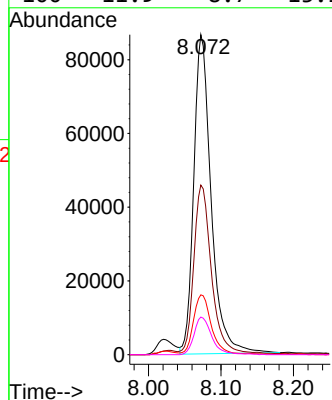
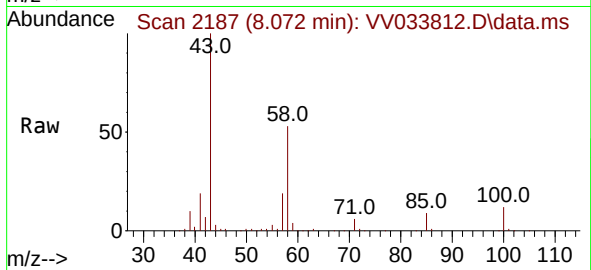




#48
2-Hexanone
Concen: 73.746 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

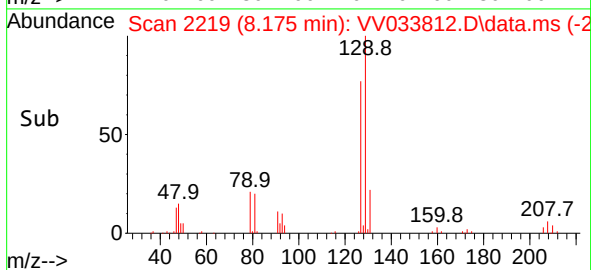
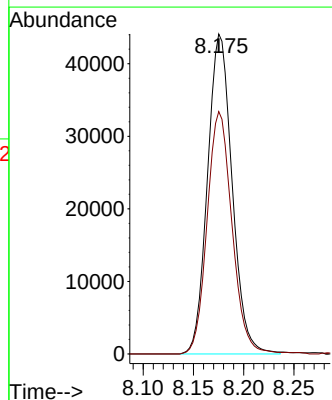
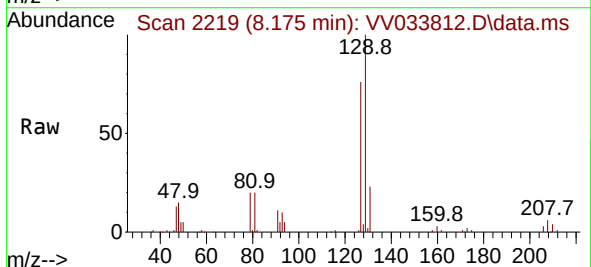
Instrument :
MSVOA_V
ClientSampleId :
DCMQ5MSD

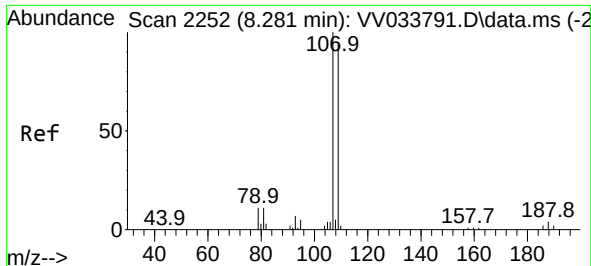
Tgt Ion: 43 Resp: 144306
Ion Ratio Lower Upper
43 100
58 52.6 42.3 63.5
57 18.5 14.2 21.2
100 11.9 8.7 13.1



#49
Dibromochloromethane
Concen: 47.985 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

Tgt Ion: 129 Resp: 75154
Ion Ratio Lower Upper
129 100
127 75.7 54.5 101.3





#50

1,2-Dibromoethane

Concen: 45.982 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

Instrument :

MSVOA_V

ClientSampleId :

DCMQ5MSD

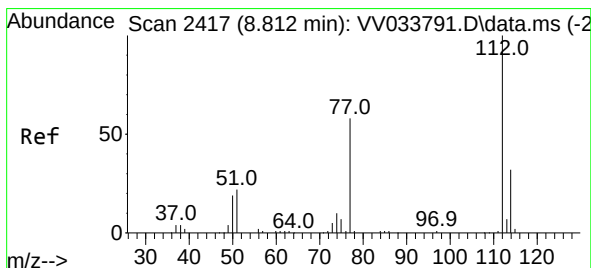
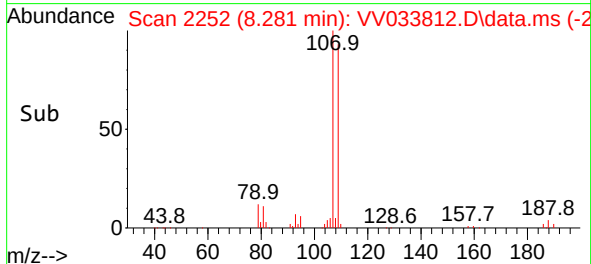
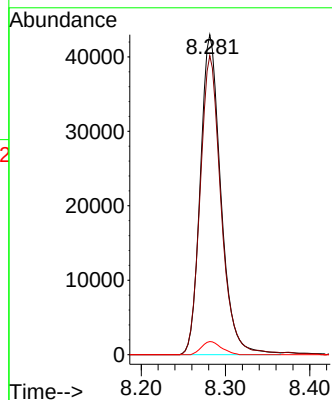
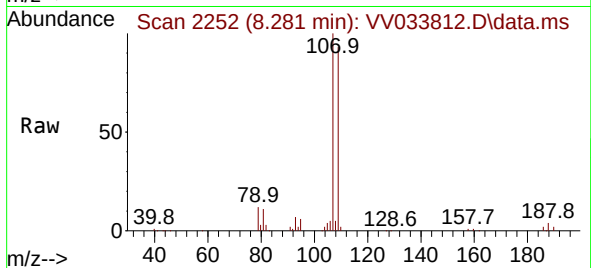
Tgt Ion:107 Resp: 73073

Ion Ratio Lower Upper

107 100

109 93.5 66.4 123.4

188 4.1 2.7 4.1#



#51

Chlorobenzene

Concen: 47.325 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.000 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

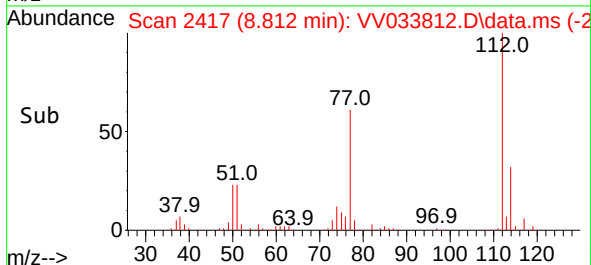
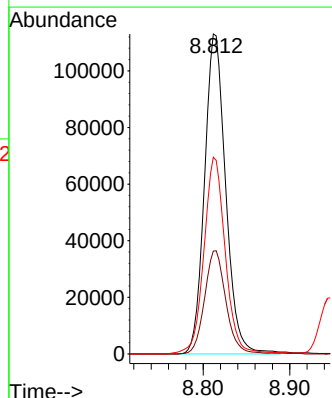
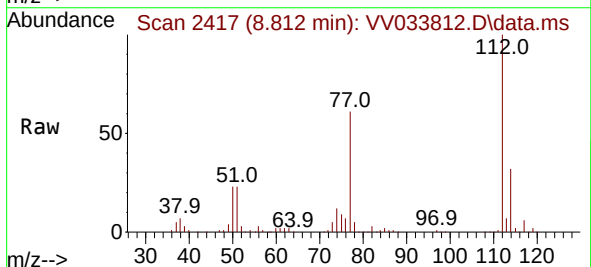
Tgt Ion:112 Resp: 191928

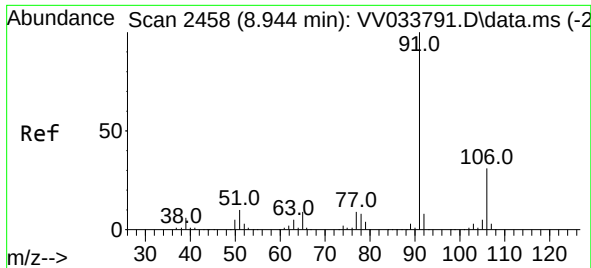
Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.7

77 61.5 49.4 74.0

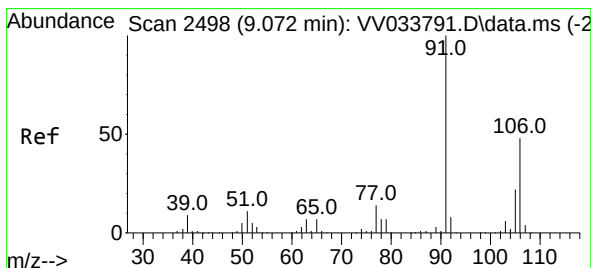
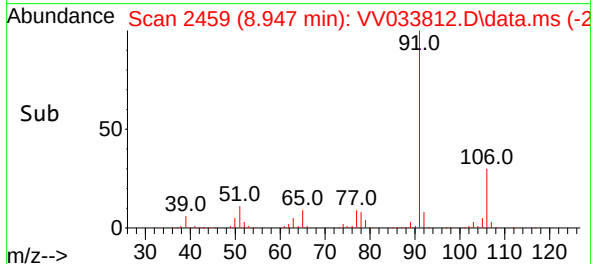
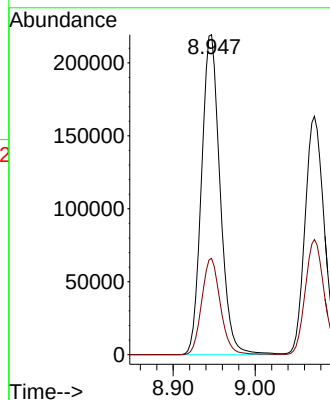
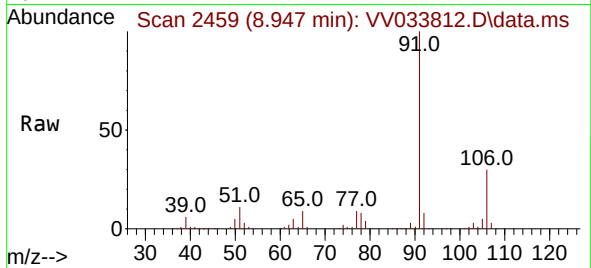




#52
Ethylbenzene
Concen: 46.762 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

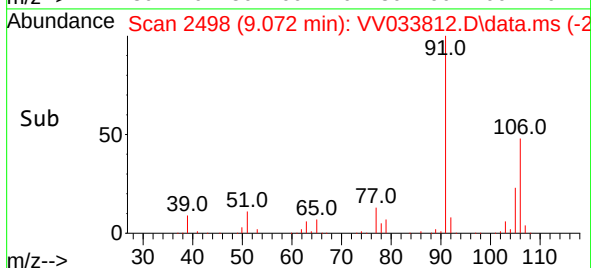
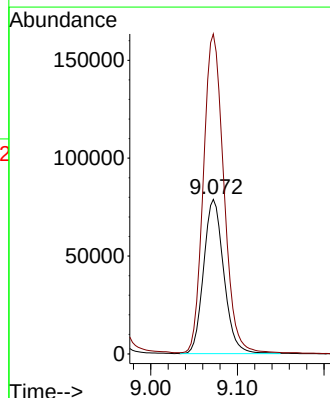
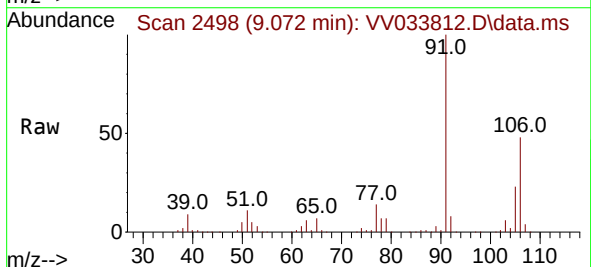
Instrument :
MSVOA_V
ClientSampleId :
DCMQ5MSD

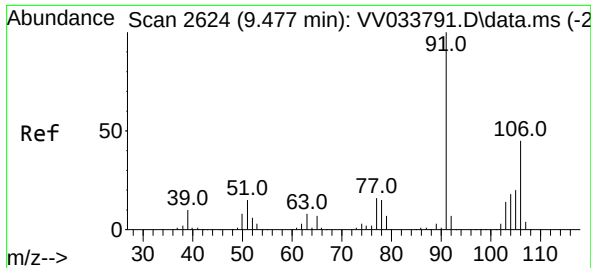
Tgt Ion: 91 Resp: 344831
Ion Ratio Lower Upper
91 100
106 30.1 21.5 39.9



#53
m,p-Xylene
Concen: 46.873 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

Tgt Ion:106 Resp: 127607
Ion Ratio Lower Upper
106 100
91 207.0 146.1 271.3

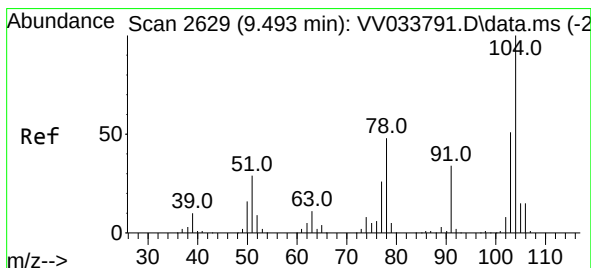
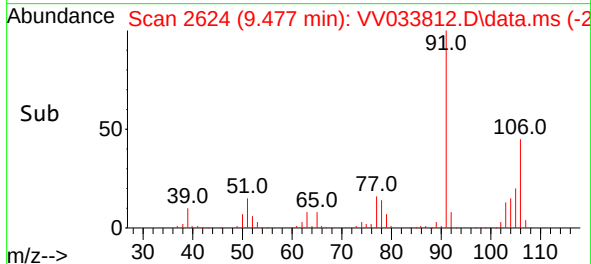
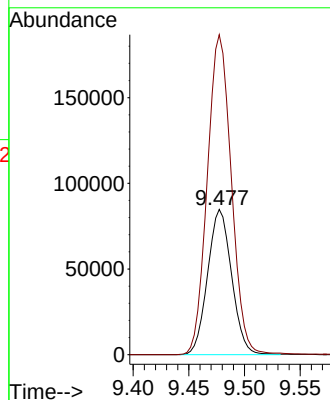
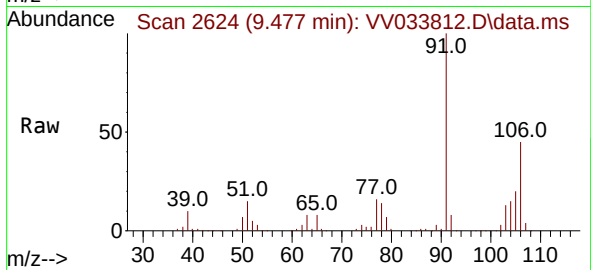




#54
o-Xylene
Concen: 47.163 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

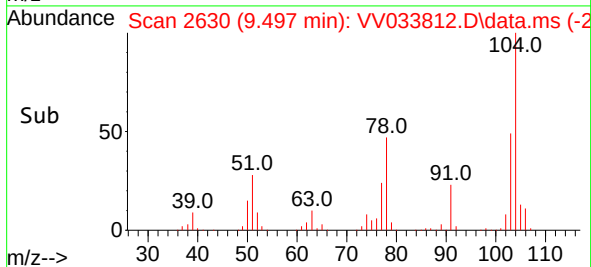
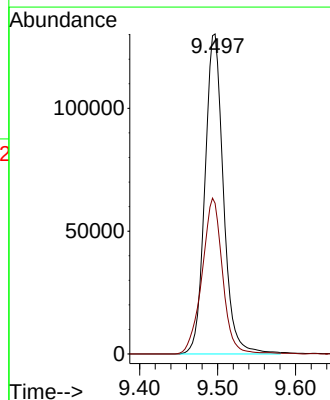
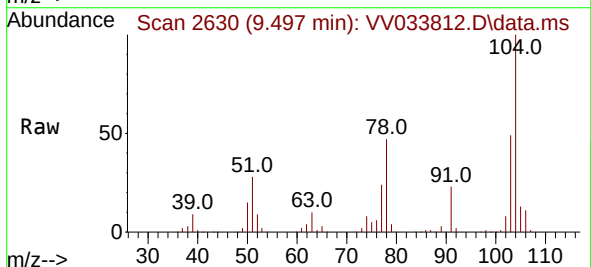
Instrument :
MSVOA_V
ClientSampleId :
DCMQ5MSD

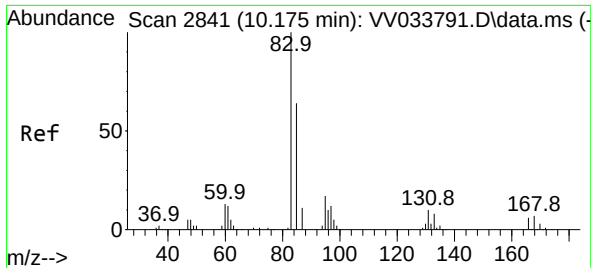
Tgt Ion:106 Resp: 127114
Ion Ratio Lower Upper
106 100
91 220.4 155.2 288.2



#55
Styrene
Concen: 46.200 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

Tgt Ion:104 Resp: 214978
Ion Ratio Lower Upper
104 100
78 47.1 33.0 61.4

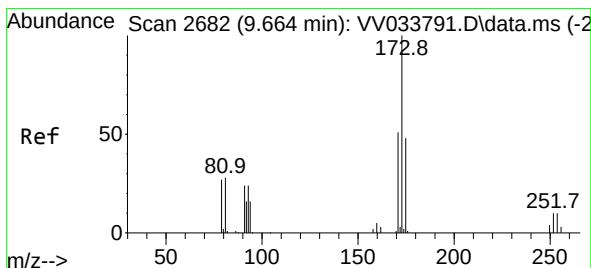
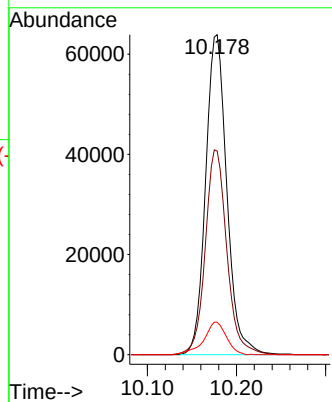
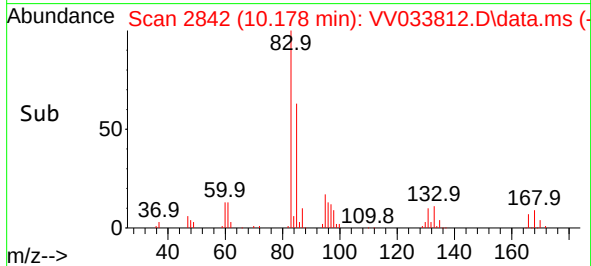
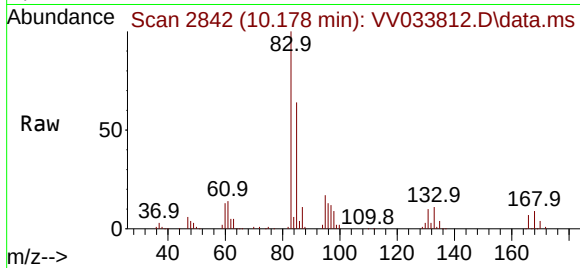




#57
1,1,2,2-Tetrachloroethane
Concen: 44.130 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.003 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

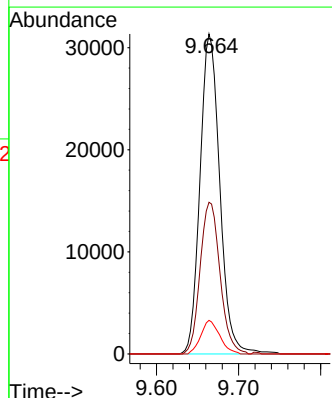
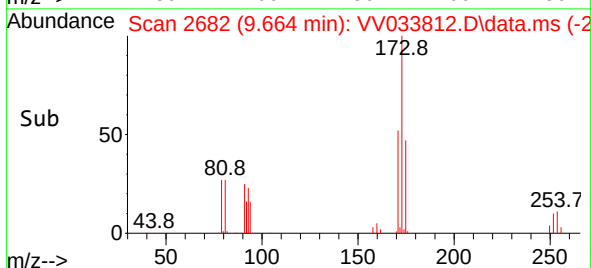
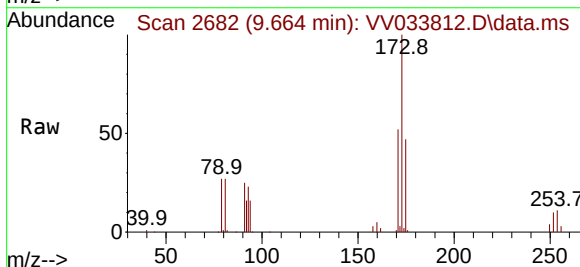
Instrument :
MSVOA_V
ClientSampleId :
DCMQ5MSD

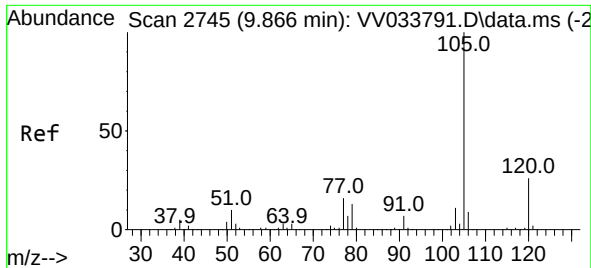
Tgt Ion: 83 Resp: 105613
Ion Ratio Lower Upper
83 100
85 63.6 44.9 83.5
131 10.1 7.5 11.3



#59
Bromoform
Concen: 46.958 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

Tgt Ion: 173 Resp: 52462
Ion Ratio Lower Upper
173 100
175 47.7 37.2 55.8
254 10.0 7.4 11.0

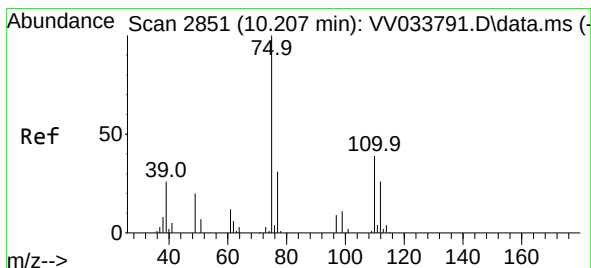
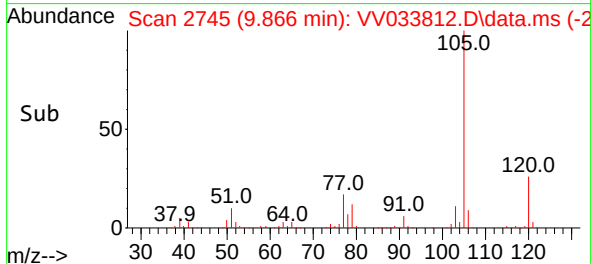
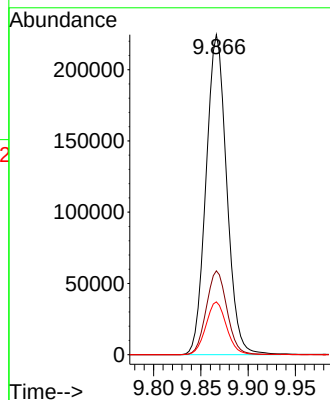
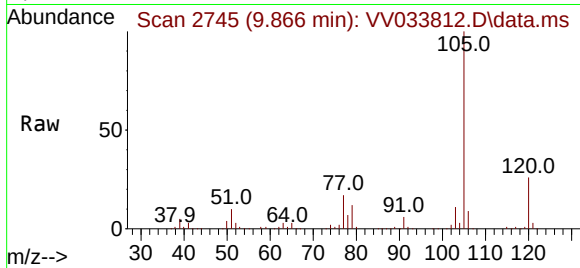




#60
Isopropylbenzene
Concen: 48.027 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

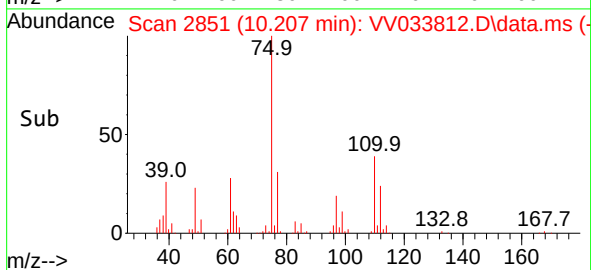
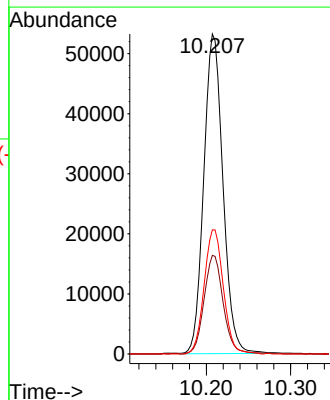
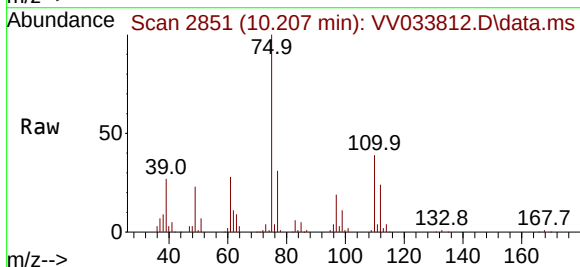
Instrument :
MSVOA_V
ClientSampleId :
DCMQ5MSD

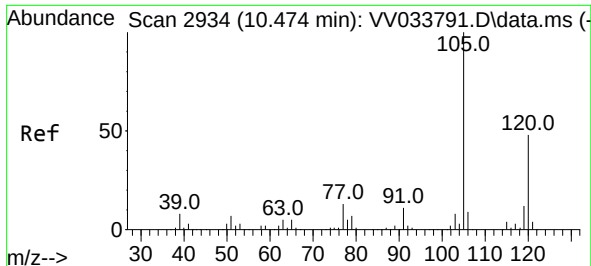
Tgt Ion:105 Resp: 341576
Ion Ratio Lower Upper
105 100
120 26.4 20.6 31.0
77 16.5 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 45.296 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

Tgt Ion: 75 Resp: 84503
Ion Ratio Lower Upper
75 100
77 30.9 25.3 37.9
110 38.9 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 47.965 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

Instrument :

MSVOA_V

ClientSampleId :

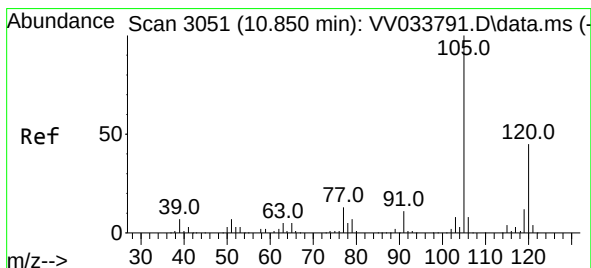
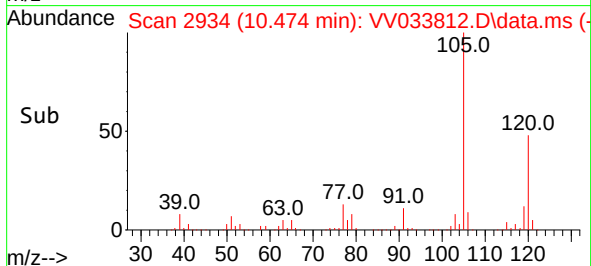
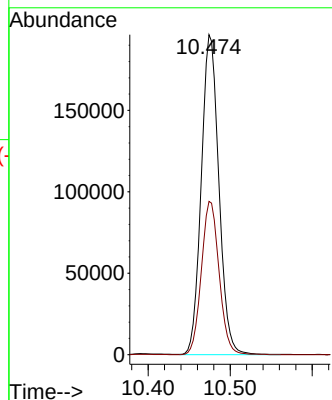
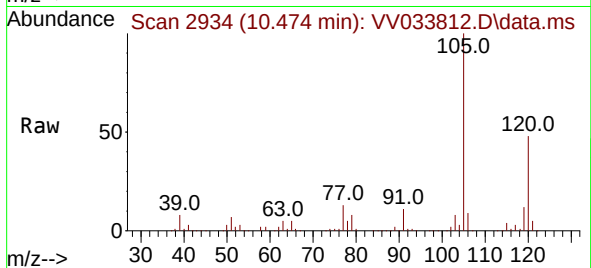
DCMQ5MSD

Tgt Ion:105 Resp: 292696

Ion Ratio Lower Upper

105 100

120 48.2 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 47.757 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV033812.D

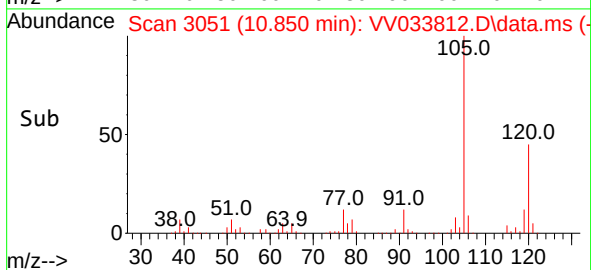
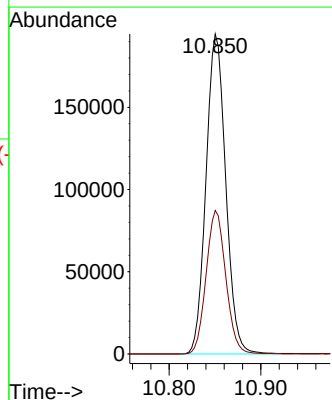
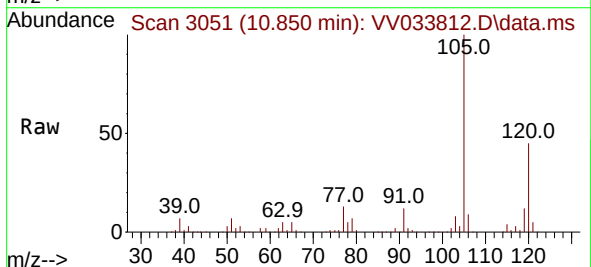
Acq: 22 Jan 2024 18:58

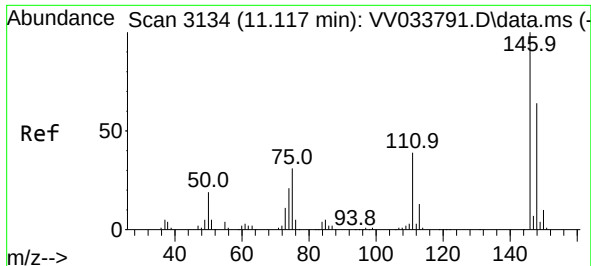
Tgt Ion:105 Resp: 290376

Ion Ratio Lower Upper

105 100

120 44.7 35.4 53.0

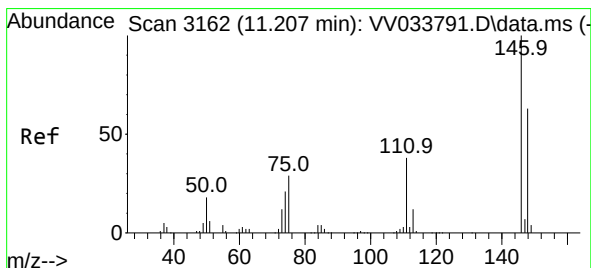
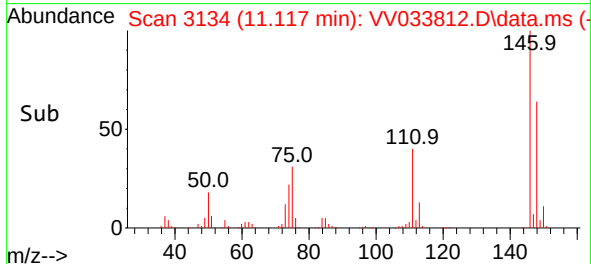
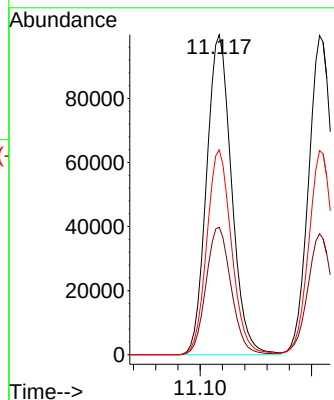
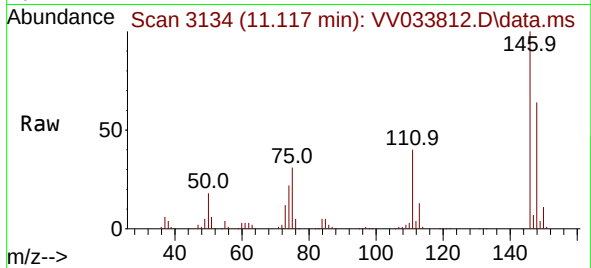




#64
1,3-Dichlorobenzene
Concen: 48.544 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

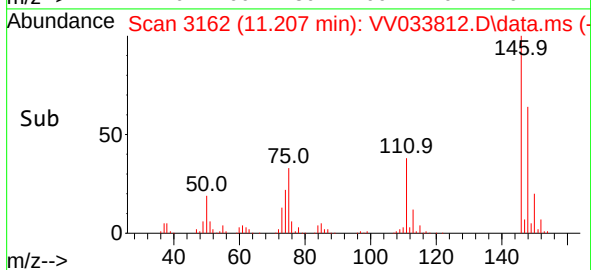
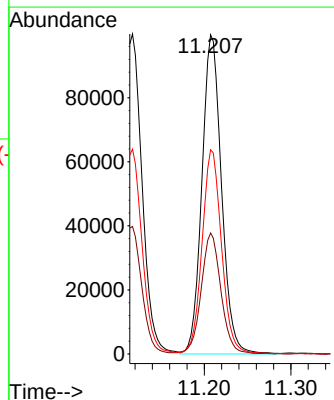
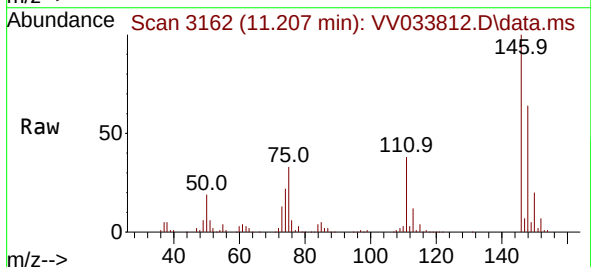
Instrument :
MSVOA_V
ClientSampleId :
DCMQ5MSD

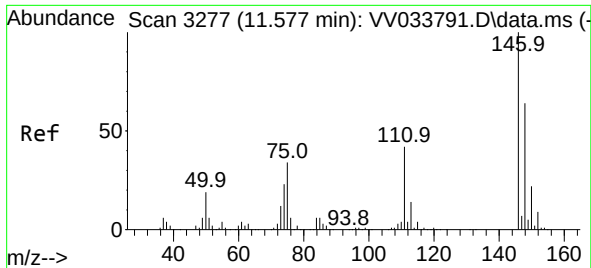
Tgt Ion:146 Resp: 155951
Ion Ratio Lower Upper
146 100
111 39.8 29.0 53.8
148 64.0 43.9 81.5



#65
1,4-Dichlorobenzene
Concen: 48.585 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.000 min
Lab File: VV033812.D
Acq: 22 Jan 2024 18:58

Tgt Ion:146 Resp: 156502
Ion Ratio Lower Upper
146 100
111 37.9 27.7 51.5
148 64.0 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 49.030 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

Instrument :

MSVOA_V

ClientSampleId :

DCMQ5MSD

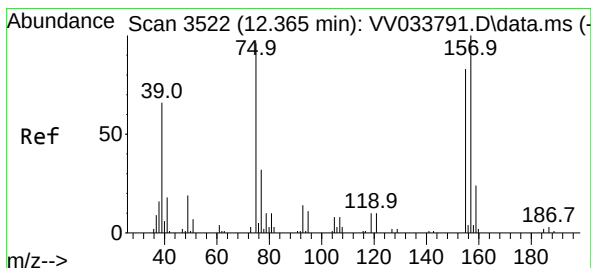
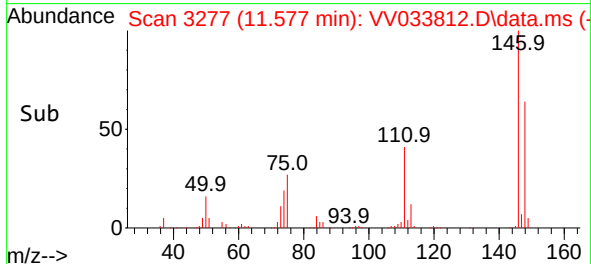
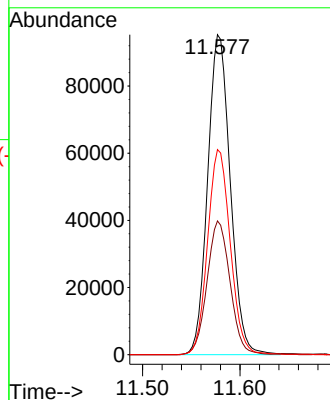
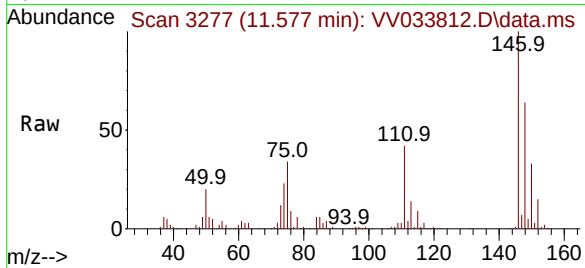
Tgt Ion:146 Resp: 153904

Ion Ratio Lower Upper

146 100

111 41.8 35.4 53.0

148 64.1 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 43.587 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

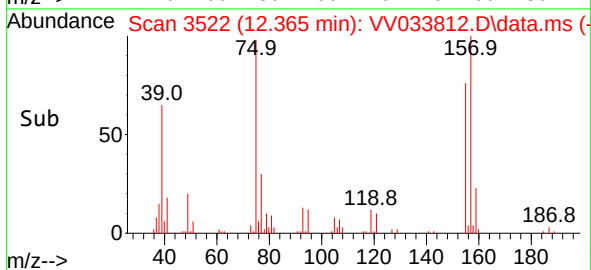
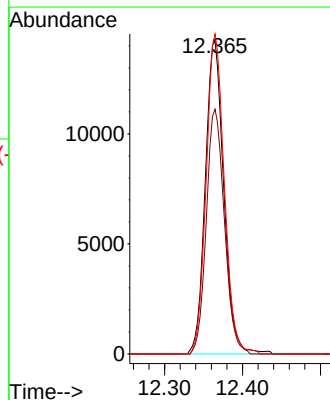
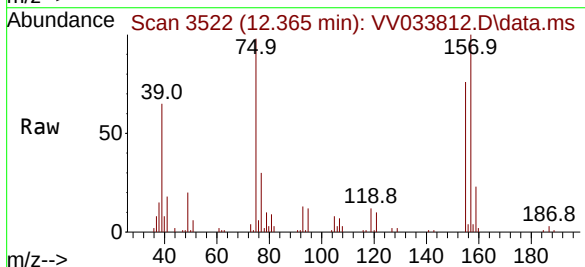
Tgt Ion: 75 Resp: 23465

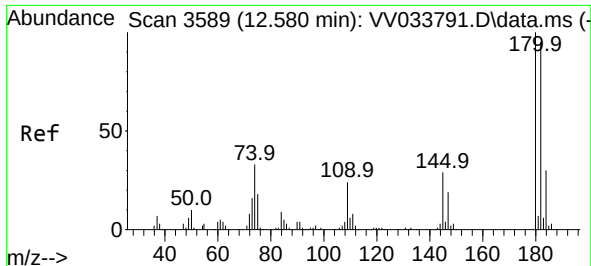
Ion Ratio Lower Upper

75 100

155 78.2 61.6 92.4

157 102.3 79.2 118.8





#69

1,3,5-Trichlorobenzene

Concen: 48.188 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

Lab File: VV033812.D

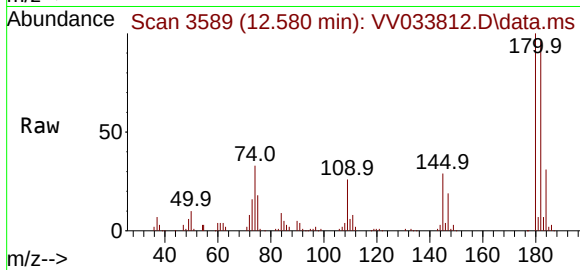
Acq: 22 Jan 2024 18:58

Instrument :

MSVOA_V

ClientSampleId :

DCMQ5MSD



Tgt Ion:180 Resp: 114395

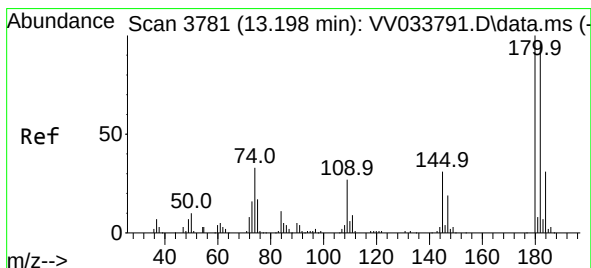
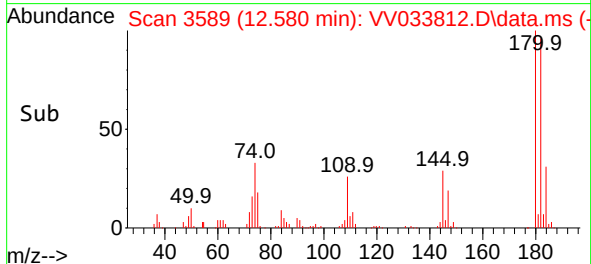
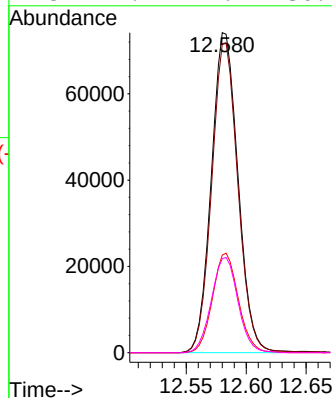
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

184 30.3 23.9 35.9

145 29.7 24.4 36.6



#70

1,2,4-trichlorobenzene

Concen: 48.596 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

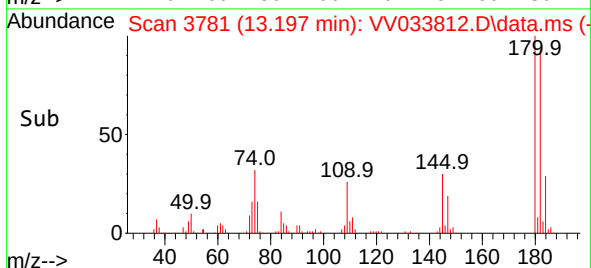
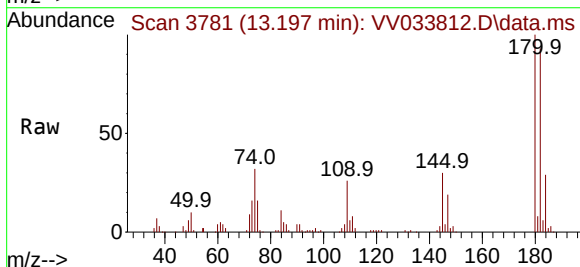
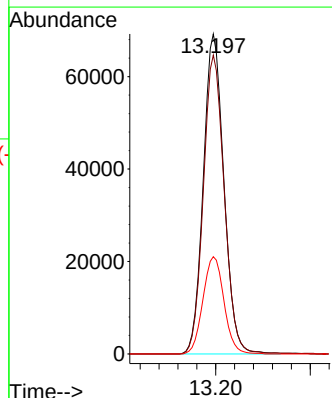
Tgt Ion:180 Resp: 104710

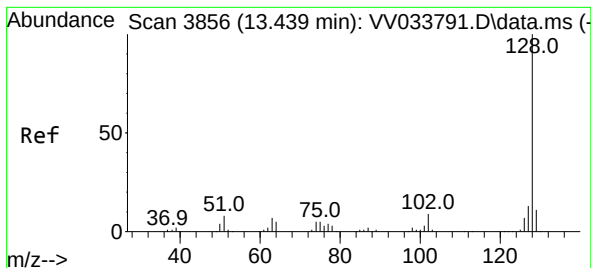
Ion Ratio Lower Upper

180 100

182 94.5 76.3 114.5

145 31.0 25.4 38.0





#71

Naphthalene

Concen: 45.566 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

Instrument :

MSVOA_V

ClientSampleId :

DCMQ5MSD

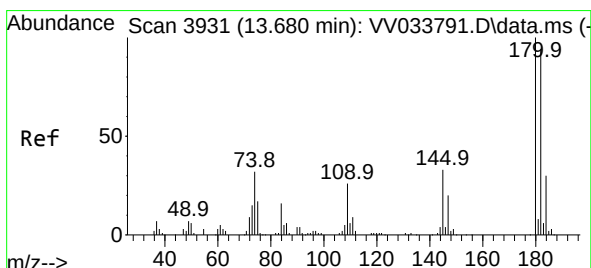
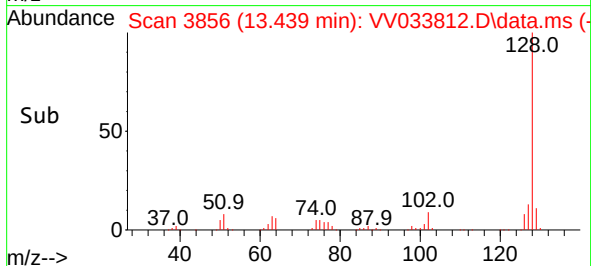
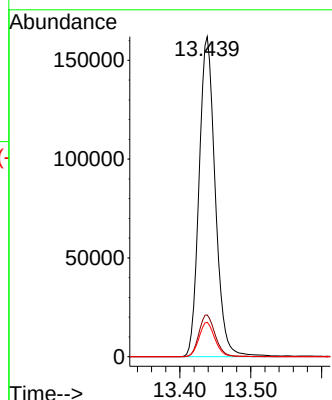
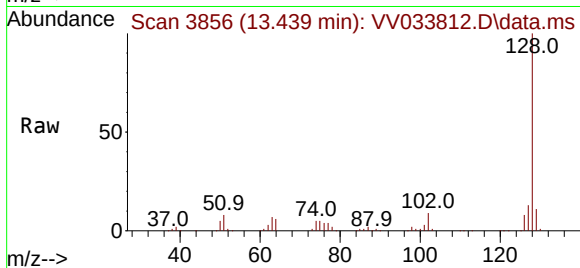
Tgt Ion:128 Resp: 256556

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.5 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 50.350 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033812.D

Acq: 22 Jan 2024 18:58

Tgt Ion:180 Resp: 101260

Ion Ratio Lower Upper

180 100

182 93.8 76.0 114.0

145 31.6 26.3 39.5

