

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021524\
 Data File : VW034202.D
 Acq On : 15 Feb 2024 21:11
 Operator : SY/MD
 Sample : P1501-03MS
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E10A0MS

Quant Time: Feb 16 00:45:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 16 00:40:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	67254	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	62702	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	32491	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	17916	3.440	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	68.800%	
7) Chloroethane-d5	1.532	69	17594	3.856	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	77.200%	
11) 1,1-Dichloroethene-d2	2.060	65	9694	3.859	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	77.200%	
20) 2-Butanone-d5	3.809	46	51028	58.332	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	116.660%	
24) Chloroform-d	4.249	84	46336	4.896	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.000%	
26) 1,2-Dichloroethane-d4	4.944	65	23268	5.261	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	105.200%	
32) Benzene-d6	4.960	84	77767	4.134	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	82.600%	
36) 1,2-Dichloropropane-d6	5.992	67	22622	4.302	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	86.000%	
41) Toluene-d8	7.243	98	70111	4.055	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	81.200%	
43) trans-1,3-Dichloroprop...	7.558	79	9508	4.788	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	95.800%	
46) 2-Hexanone-d5	8.027	63	37220	52.509	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	105.020%	
56) 1,1,2,2-Tetrachloroeth...	10.153	84	16561	5.195	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	103.800%	
66) 1,2-Dichlorobenzene-d4	11.561	152	27311	4.622	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	92.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	29713	4.821	ug/L	100
3) Chloromethane	1.217	50	31293	4.655	ug/L	99
5) Vinyl chloride	1.285	62	31205	4.858	ug/L	91
6) Bromomethane	1.490	94	17608	5.205	ug/L	93
8) Chloroethane	1.552	64	19845	4.528	ug/L	98
9) Trichlorofluoromethane	1.712	101	55883	6.037	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	26826	5.544	ug/L	98
12) 1,1-Dichloroethene	2.069	96	24656	5.248	ug/L	93
13) Acetone	2.134	43	35583	53.617	ug/L #	42
14) Carbon disulfide	2.240	76	67324	4.429	ug/L	99
15) Methyl Acetate	2.384	43	7885	5.020	ug/L	98
16) Methylene chloride	2.449	84	22790	5.055	ug/L	96
17) Methyl tert-butyl Ether	2.706	73	57214	5.927	ug/L	98
18) trans-1,2-Dichloroethene	2.696	96	23207	4.850	ug/L	100
19) 1,1-Dichloroethane	3.114	63	46288	5.264	ug/L	98
21) 2-Butanone	3.889	43	43562	49.671	ug/L #	48
22) cis-1,2-Dichloroethene	3.815	96	25542	4.704	ug/L	99
23) Bromochloromethane	4.153	128	10510	5.568	ug/L	88
25) Chloroform	4.278	83	46790	5.264	ug/L	95

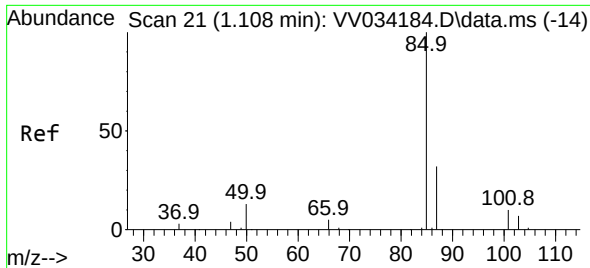
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	30948	6.081	ug/L	97
29) 1,1,1-Trichloroethane	4.513	97	46886	5.570	ug/L	99
30) Cyclohexane	4.584	56	36785	4.493	ug/L	94
31) Carbon tetrachloride	4.735	117	41939	5.694	ug/L	97
33) Benzene	5.011	78	92487	4.918	ug/L	100
34) Trichloroethene	5.834	95	27010	4.963	ug/L	98
35) Methylcyclohexane	6.050	83	39629	4.639	ug/L	99
37) 1,2-Dichloropropane	6.095	63	22731	4.990	ug/L #	97
38) Bromodichloromethane	6.432	83	31268	5.229	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	35290	5.091	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	119227	54.655	ug/L	97
42) Toluene	7.317	91	101724	5.061	ug/L	96
44) trans-1,3-Dichloropropene	7.584	75	28690	5.391	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	15517	5.516	ug/L	99
47) Tetrachloroethene	7.905	164	20612	4.661	ug/L	96
48) 2-Hexanone	8.075	43	82944	53.941	ug/L	99
49) Dibromochloromethane	8.175	129	19599	5.863	ug/L	98
50) 1,2-Dibromoethane	8.284	107	13996	5.543	ug/L	97
51) Chlorobenzene	8.815	112	63544	5.000	ug/L	98
52) Ethylbenzene	8.947	91	115780	5.004	ug/L	97
53) m,p-Xylene	9.072	106	44952	5.142	ug/L	98
54) o-Xylene	9.477	106	42629	5.056	ug/L	98
55) Styrene	9.497	104	70595	5.230	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	16098	5.422	ug/L	99
59) Bromoform	9.667	173	10855	6.065	ug/L	99
60) Isopropylbenzene	9.866	105	120317	5.005	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	12546	5.617	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	100031	4.922	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	96486	4.886	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	53089	5.064	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	52096	5.019	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	46670	5.184	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.368	75	2510	5.362	ug/L	92
69) 1,3,5-Trichlorobenzene	12.583	180	39270	4.841	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	29976	4.733	ug/L	99
71) Naphthalene	13.442	128	42341	5.103	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	25789	5.082	ug/L	99

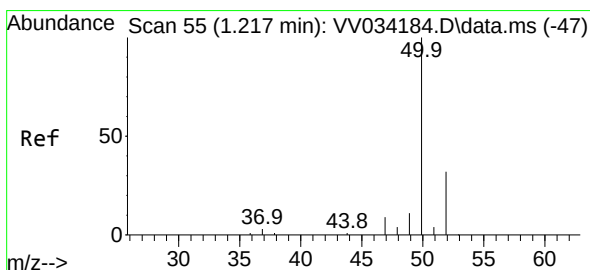
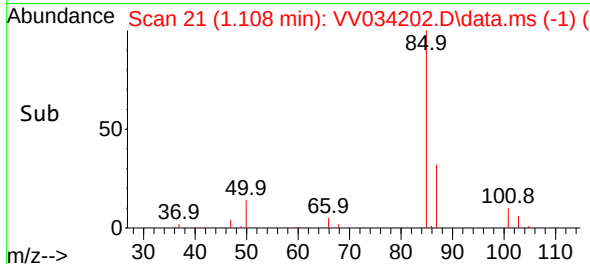
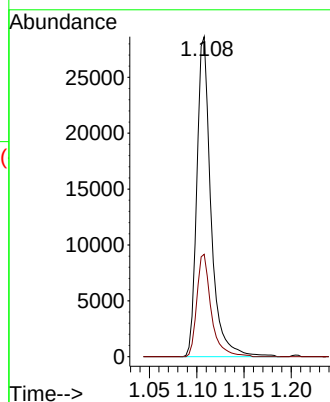
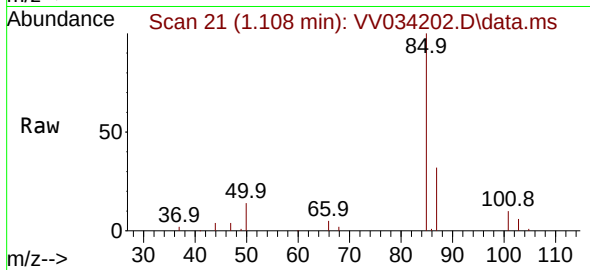
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.821 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV034202.D
 Acq: 15 Feb 2024 21:11

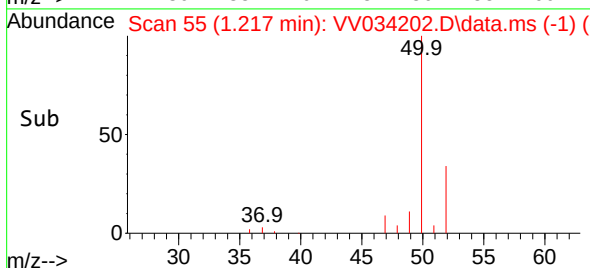
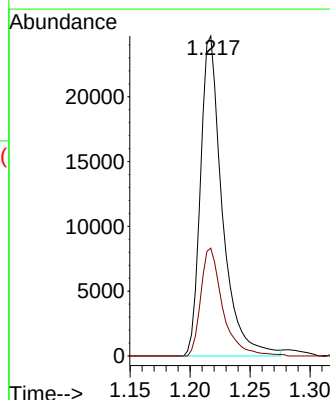
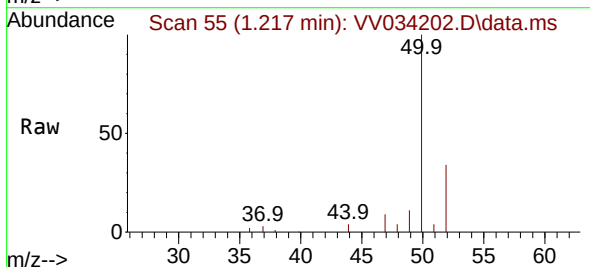
Instrument :
 MSVOA_V
 ClientSampleId :
 E10A0MS

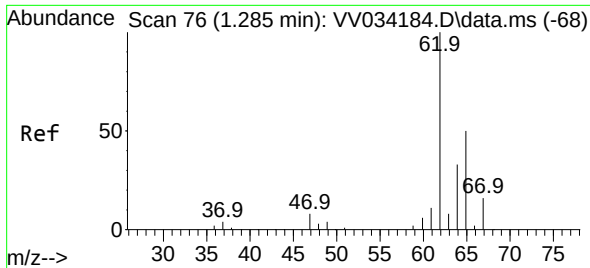
Tgt Ion: 85 Resp: 29713
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.2 39.4



#3
 Chloromethane
 Concen: 4.655 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV034202.D
 Acq: 15 Feb 2024 21:11

Tgt Ion: 50 Resp: 31293
 Ion Ratio Lower Upper
 50 100
 52 33.7 23.4 43.4

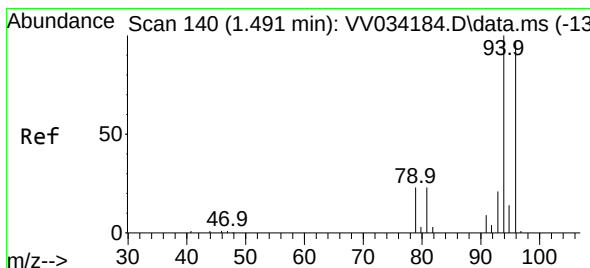
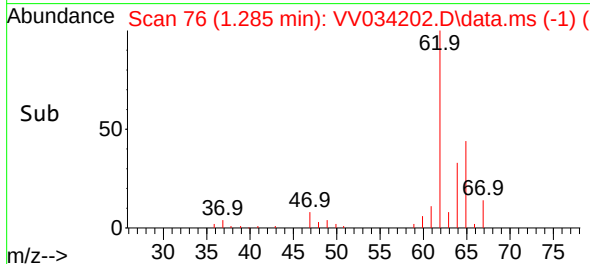
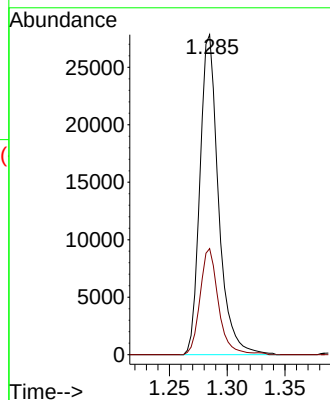
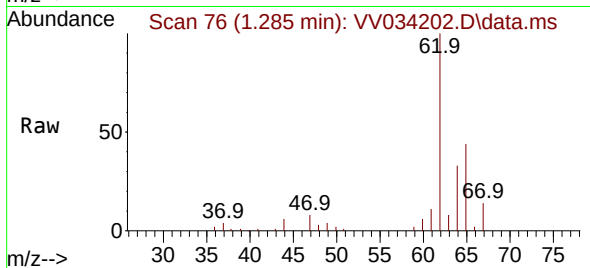




#5
 Vinyl chloride
 Concen: 4.858 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV034202.D
 Acq: 15 Feb 2024 21:11

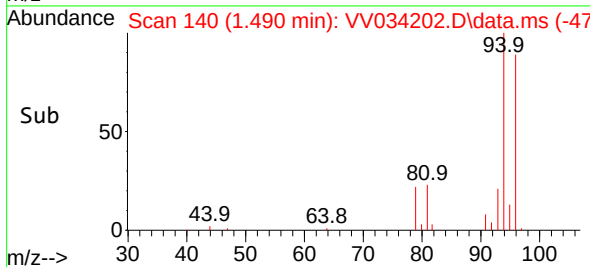
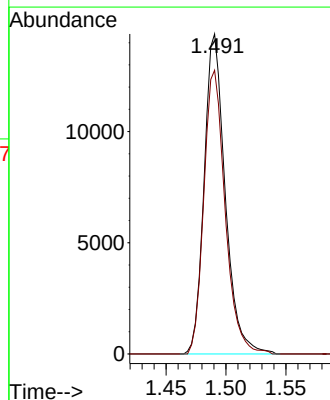
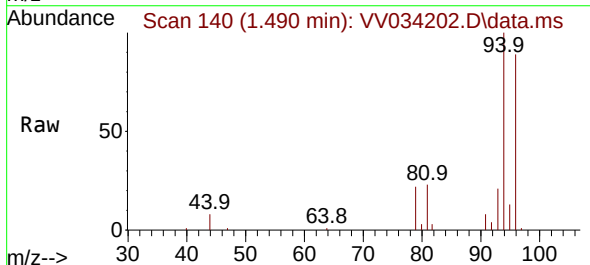
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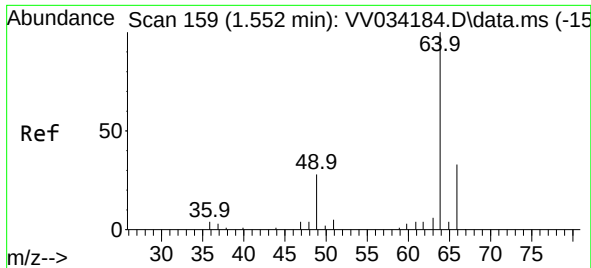
Tgt Ion: 62 Resp: 31205
 Ion Ratio Lower Upper
 62 100
 64 33.2 27.2 50.4



#6
 Bromomethane
 Concen: 5.205 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV034202.D
 Acq: 15 Feb 2024 21:11

Tgt Ion: 94 Resp: 17608
 Ion Ratio Lower Upper
 94 100
 96 88.7 66.6 123.8

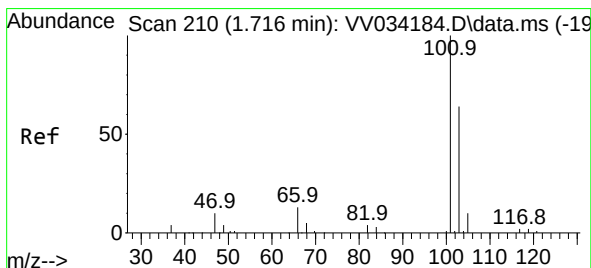
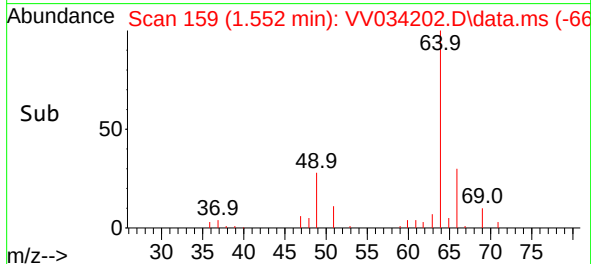
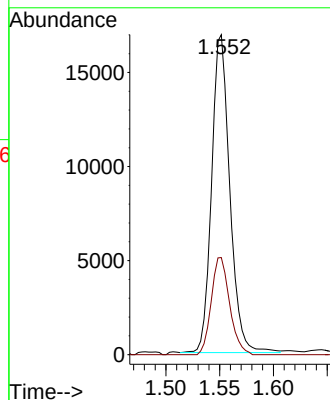
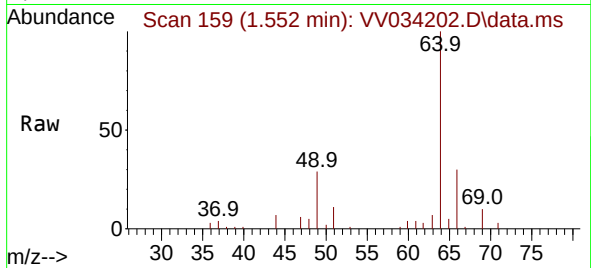




#8
Chloroethane
Concen: 4.528 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

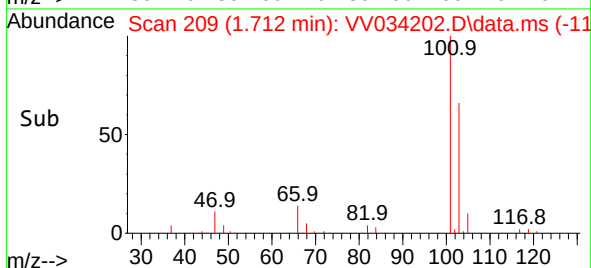
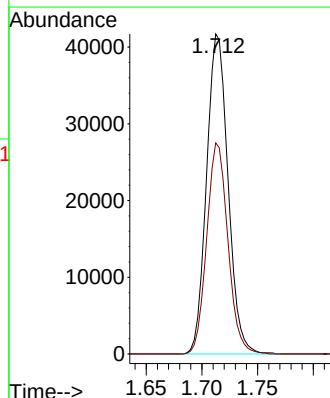
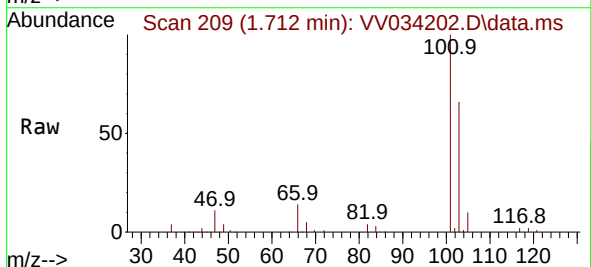
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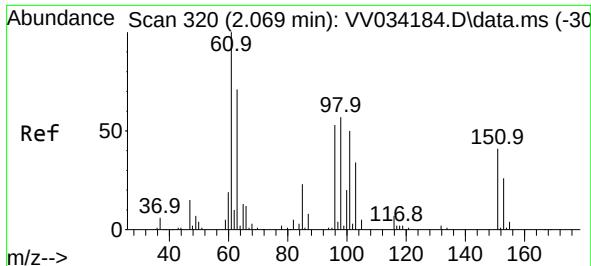
Tgt Ion: 64 Resp: 19845
Ion Ratio Lower Upper
64 100
66 30.4 22.0 41.0



#9
Trichlorofluoromethane
Concen: 6.037 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

Tgt Ion:101 Resp: 55883
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.4

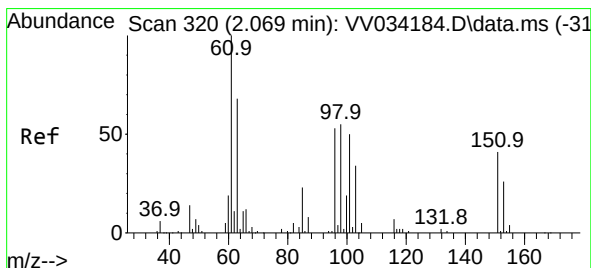
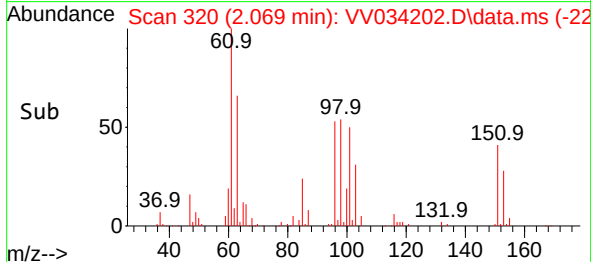
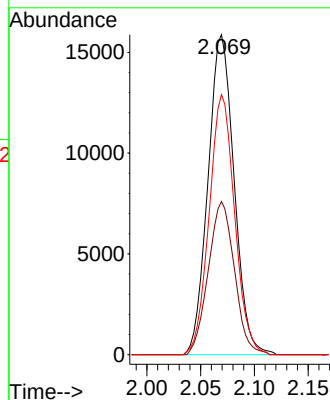
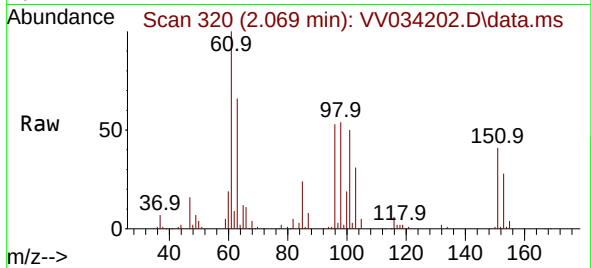




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.544 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV034202.D
 Acq: 15 Feb 2024 21:11

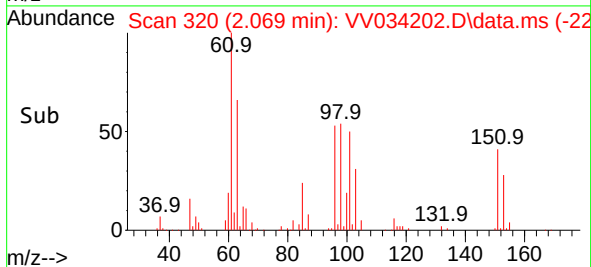
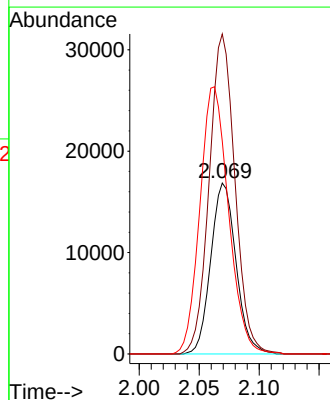
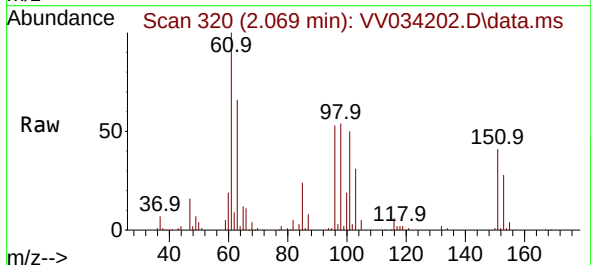
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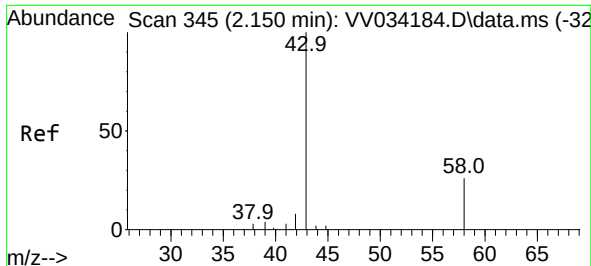
Tgt Ion:101 Resp: 26826
 Ion Ratio Lower Upper
 101 100
 85 47.8 37.1 55.7
 151 79.3 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 5.248 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV034202.D
 Acq: 15 Feb 2024 21:11

Tgt Ion: 96 Resp: 24656
 Ion Ratio Lower Upper
 96 100
 61 187.2 128.8 239.2
 63 124.5 97.9 181.9





#13

Acetone

Concen: 53.617 ug/L

RT: 2.134 min Scan# 34

Delta R.T. -0.016 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

Instrument :

MSVOA_V

ClientSampleId :

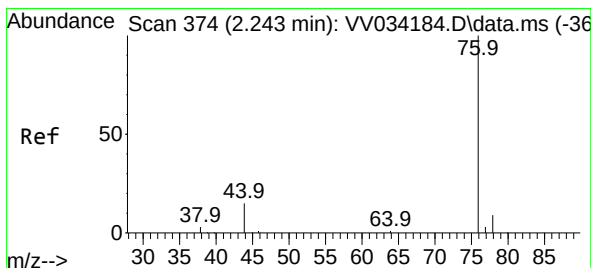
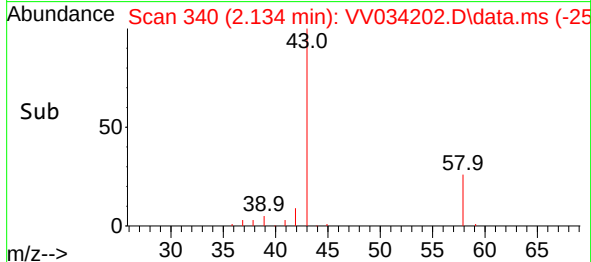
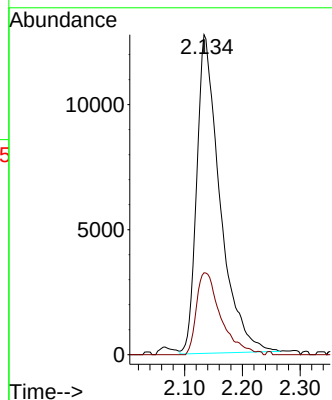
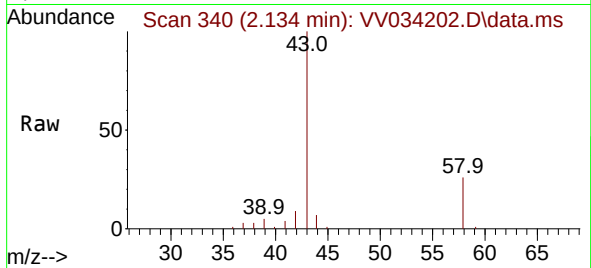
E10A0MS

Tgt Ion: 43 Resp: 35583

Ion Ratio Lower Upper

43 100

58 26.8 0.0 13.8#



#14

Carbon disulfide

Concen: 4.429 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV034202.D

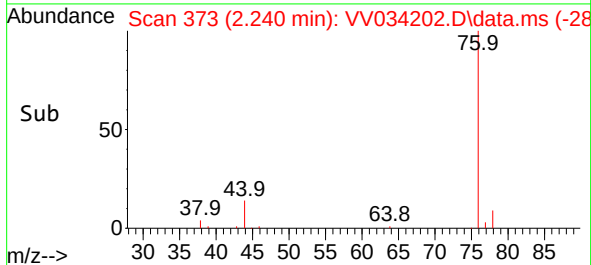
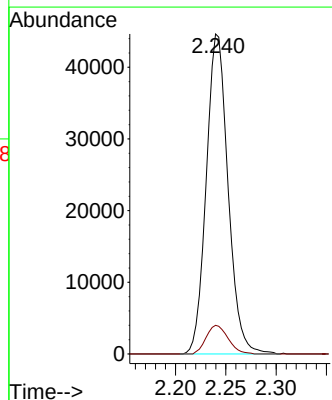
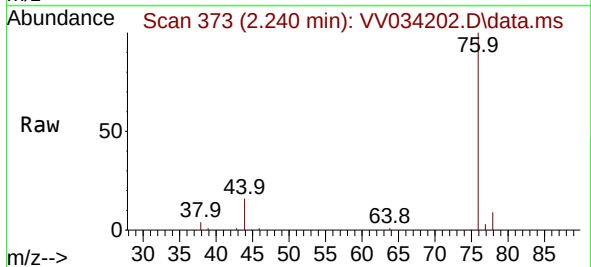
Acq: 15 Feb 2024 21:11

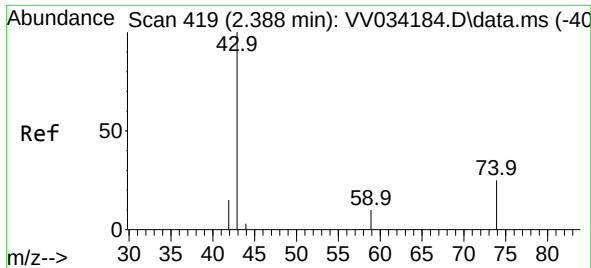
Tgt Ion: 76 Resp: 67324

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

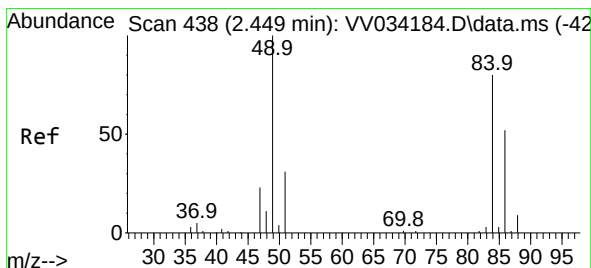
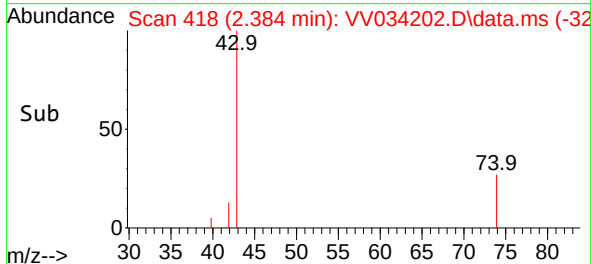
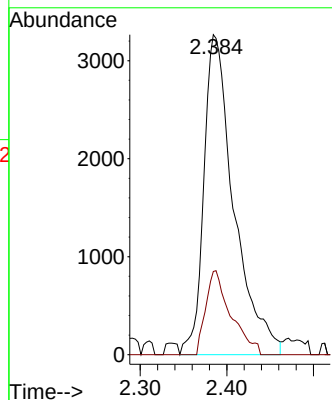
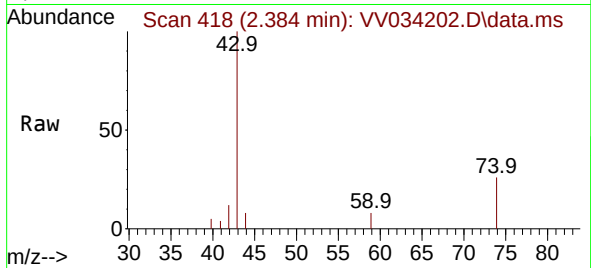




#15
Methyl Acetate
Concen: 5.020 ug/L
RT: 2.384 min Scan# 419
Delta R.T. -0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

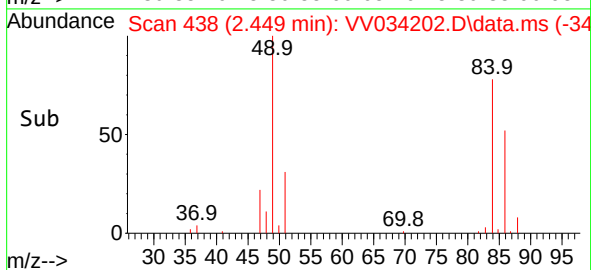
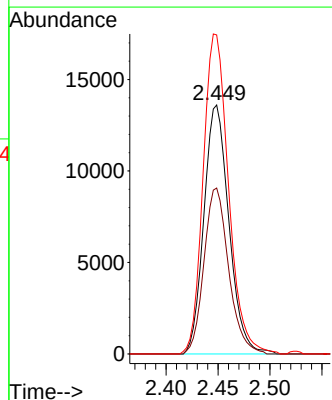
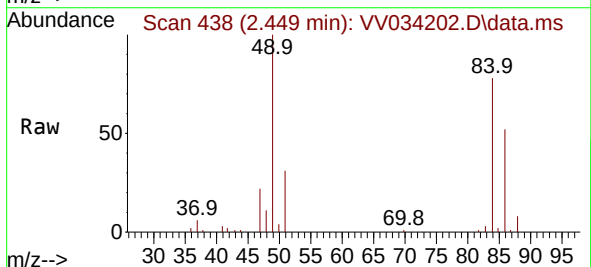
Instrument :
MSVOA_V
ClientSampleId :
E10A0MS

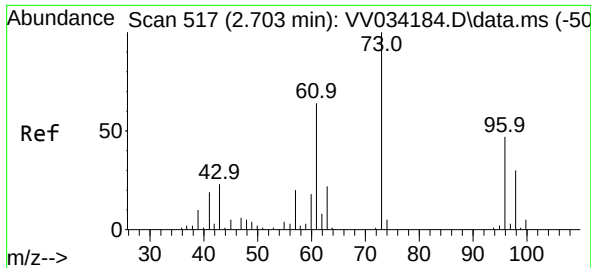
Tgt Ion: 43 Resp: 7885
Ion Ratio Lower Upper
43 100
74 21.9 18.2 27.4



#16
Methylene chloride
Concen: 5.055 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

Tgt Ion: 84 Resp: 22790
Ion Ratio Lower Upper
84 100
86 66.6 44.7 83.1
49 128.2 93.7 173.9

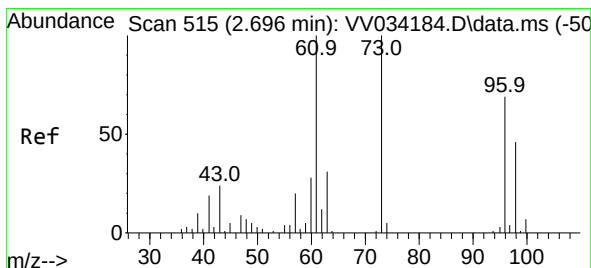
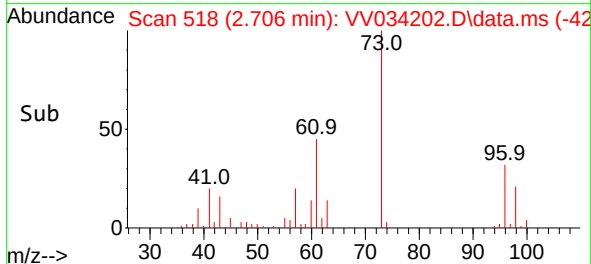
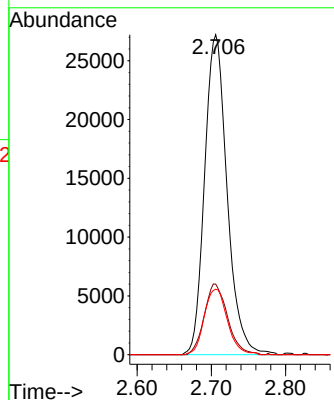
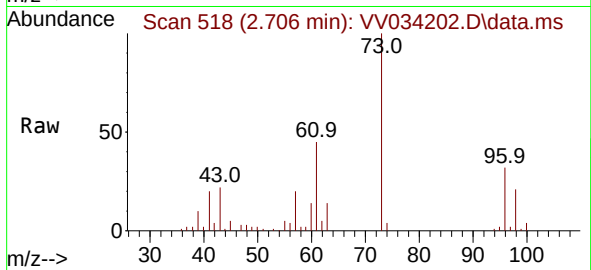




#17
Methyl tert-butyl Ether
Concen: 5.927 ug/L
RT: 2.706 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

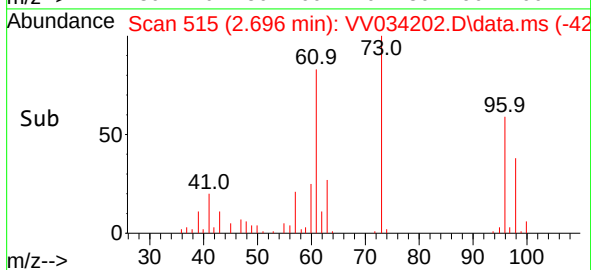
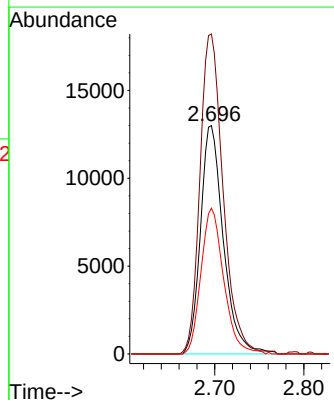
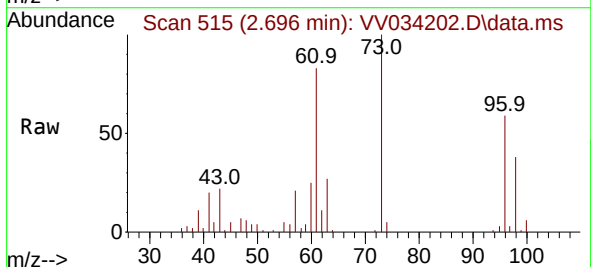
Instrument :
MSVOA_V
ClientSampleId :
E10A0MS

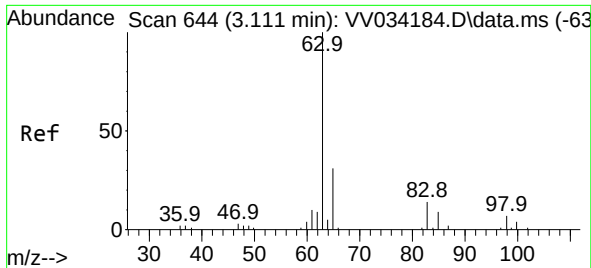
Tgt Ion: 73 Resp: 57214
Ion Ratio Lower Upper
73 100
43 22.9 17.7 26.5
57 21.1 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.850 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

Tgt Ion: 96 Resp: 23207
Ion Ratio Lower Upper
96 100
61 140.1 97.6 181.4
98 63.8 44.4 82.5

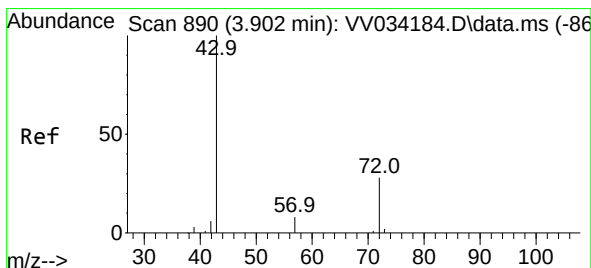
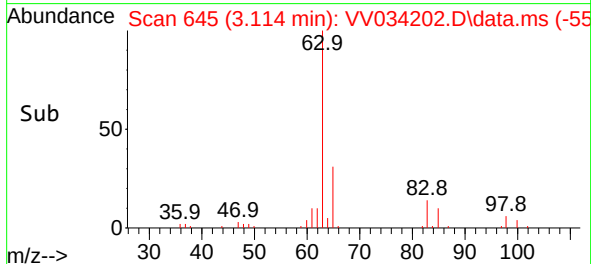
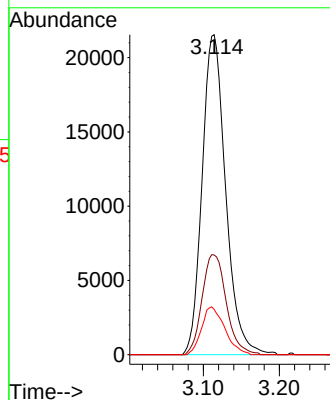
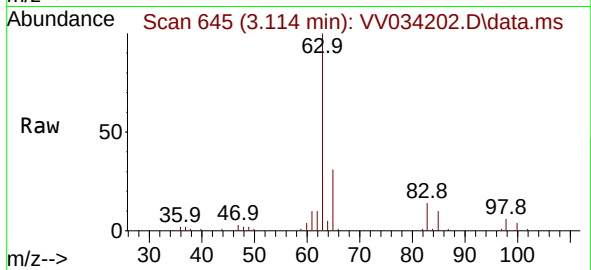




#19
1,1-Dichloroethane
Concen: 5.264 ug/L
RT: 3.114 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

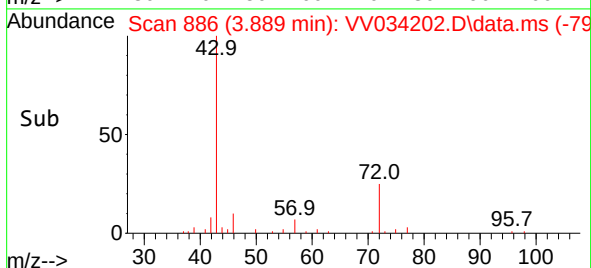
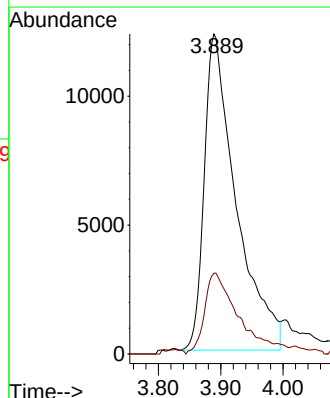
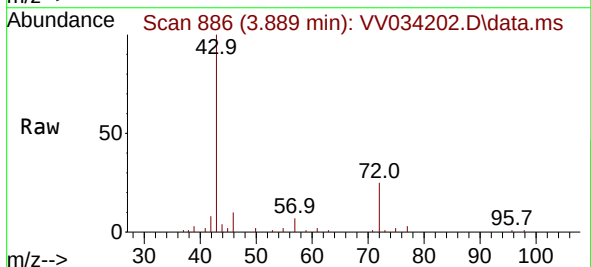
Instrument :
MSVOA_V
ClientSampleId :
E10A0MS

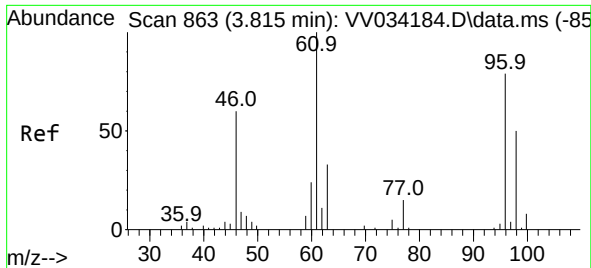
Tgt Ion: 63 Resp: 46288
Ion Ratio Lower Upper
63 100
65 31.2 20.8 38.6
83 14.1 9.4 17.4



#21
2-Butanone
Concen: 49.671 ug/L
RT: 3.889 min Scan# 886
Delta R.T. -0.013 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

Tgt Ion: 43 Resp: 43562
Ion Ratio Lower Upper
43 100
72 26.4 4.0 11.9#



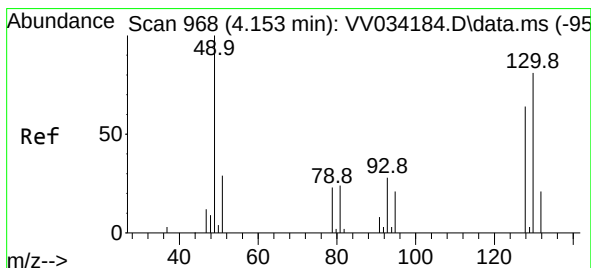
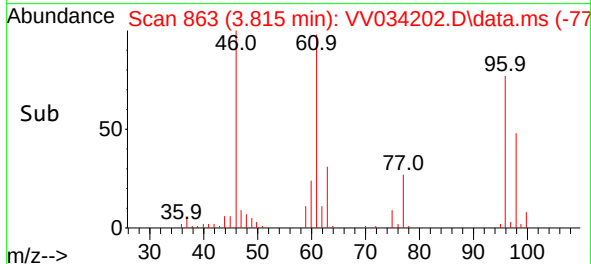
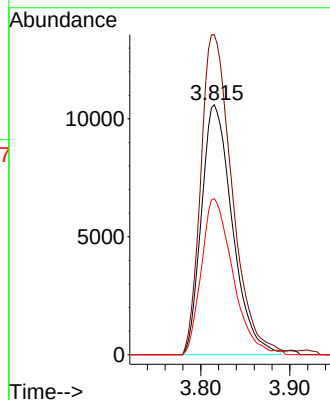
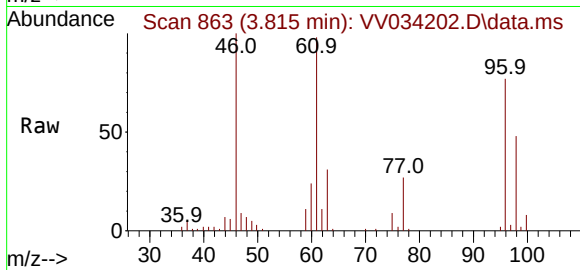


#22
 cis-1,2-Dichloroethene
 Concen: 4.704 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. -0.000 min
 Lab File: VV034202.D
 Acq: 15 Feb 2024 21:11

Instrument :
 MSVOA_V
 ClientSampleId :
 E10A0MS

Tgt Ion: 96 Resp: 25542

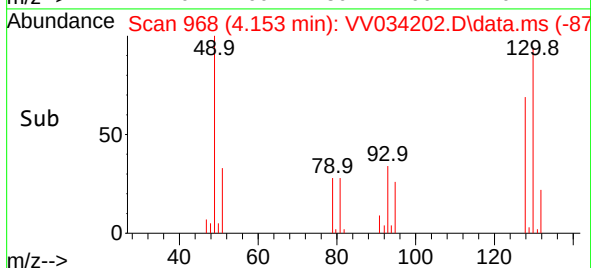
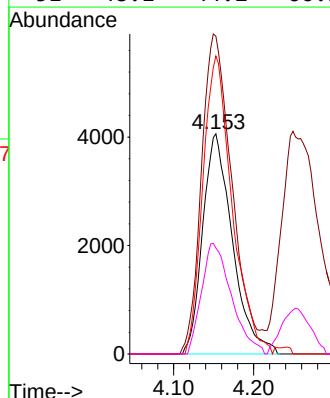
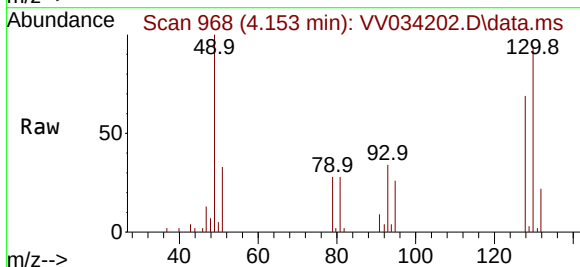
Ion	Ratio	Lower	Upper
96	100		
61	128.1	90.3	167.7
98	62.4	43.2	80.2

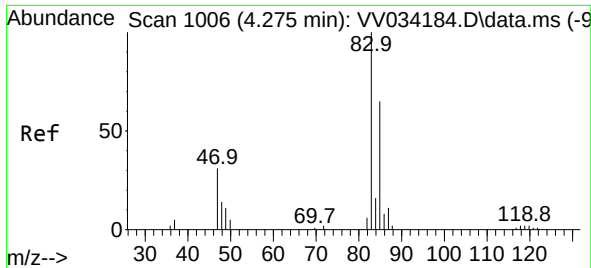


#23
 Bromochloromethane
 Concen: 5.568 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.000 min
 Lab File: VV034202.D
 Acq: 15 Feb 2024 21:11

Tgt Ion: 128 Resp: 10510

Ion	Ratio	Lower	Upper
128	100		
49	144.3	120.5	223.7
130	135.3	93.4	173.4
51	48.1	44.2	66.2

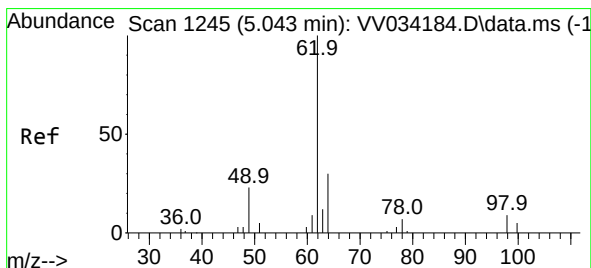
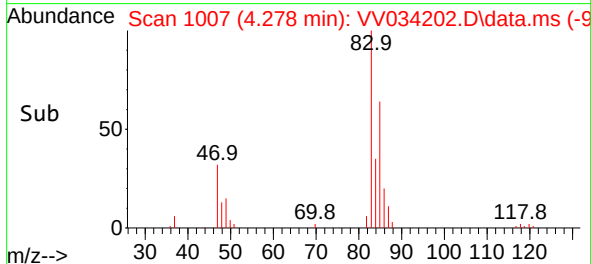
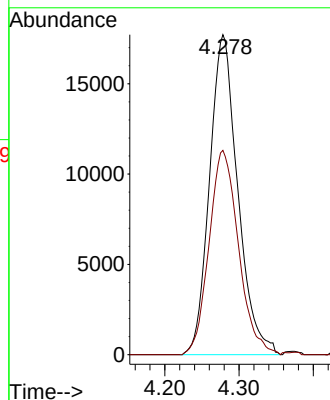
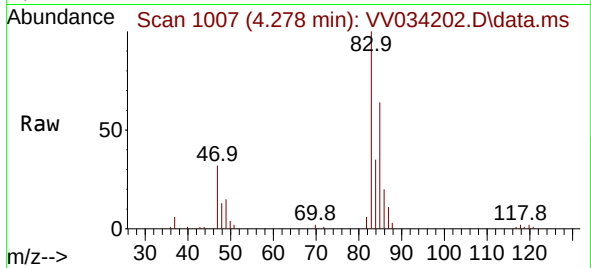




#25
Chloroform
Concen: 5.264 ug/L
RT: 4.278 min Scan# 1006
Delta R.T. 0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

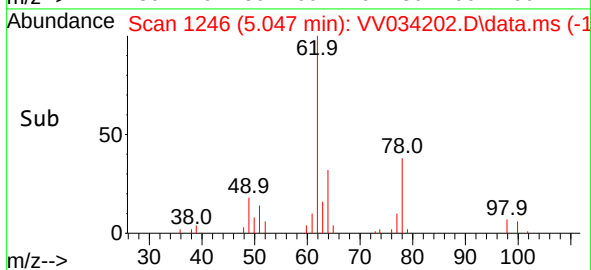
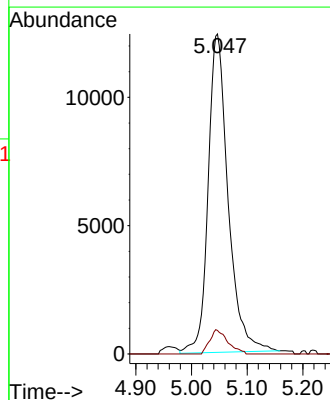
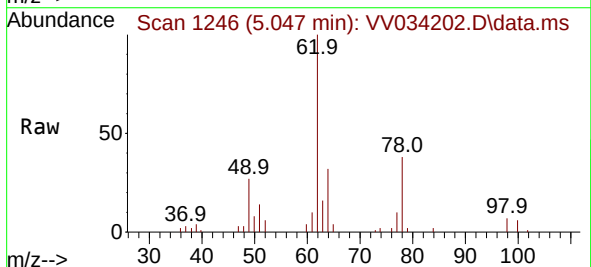
Instrument :
MSVOA_V
ClientSampleId :
E10A0MS

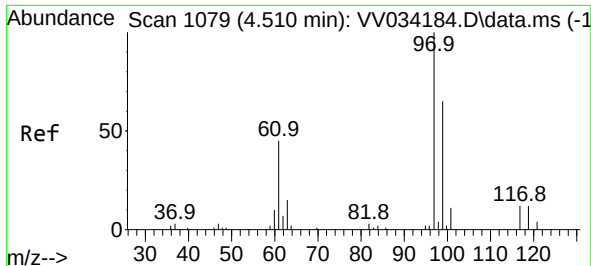
Tgt Ion: 83 Resp: 46790
Ion Ratio Lower Upper
83 100
85 63.9 47.5 88.1



#27
1,2-Dichloroethane
Concen: 6.081 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

Tgt Ion: 62 Resp: 30948
Ion Ratio Lower Upper
62 100
98 7.4 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 5.570 ug/L

RT: 4.513 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

Instrument :

MSVOA_V

ClientSampleId :

E10A0MS

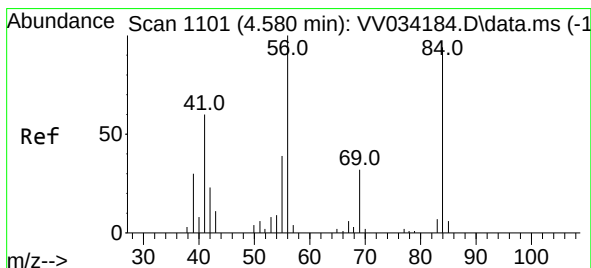
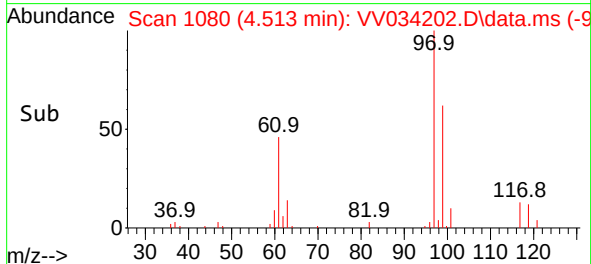
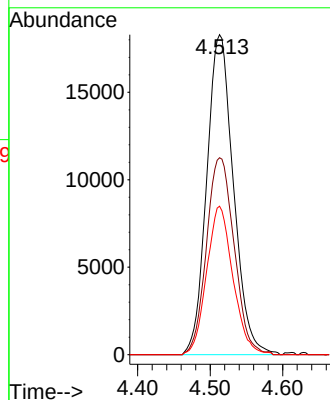
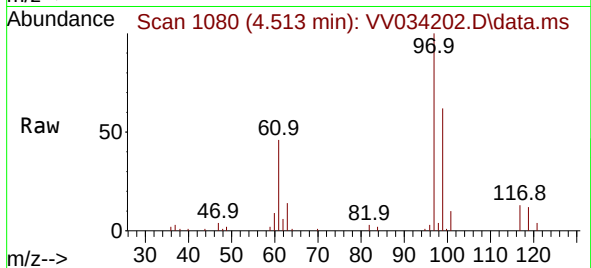
Tgt Ion: 97 Resp: 46886

Ion Ratio Lower Upper

97 100

99 63.8 50.6 75.8

61 45.6 36.8 55.2



#30

Cyclohexane

Concen: 4.493 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

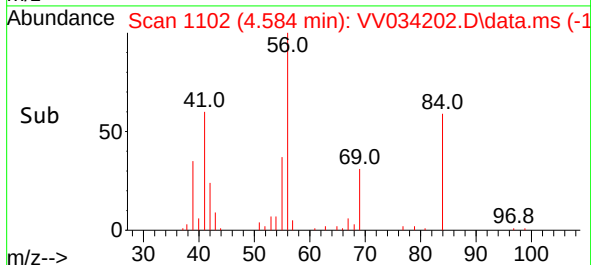
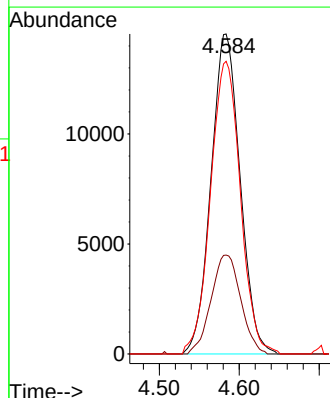
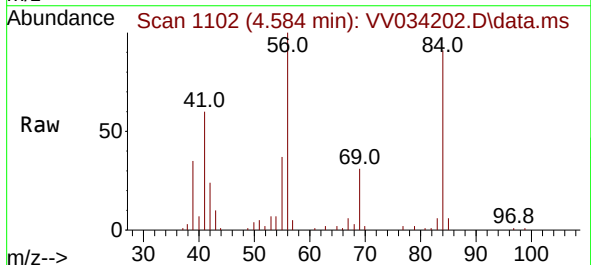
Tgt Ion: 56 Resp: 36785

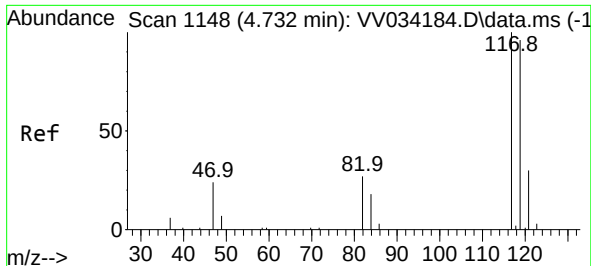
Ion Ratio Lower Upper

56 100

69 31.5 24.2 36.2

84 93.8 70.0 105.0

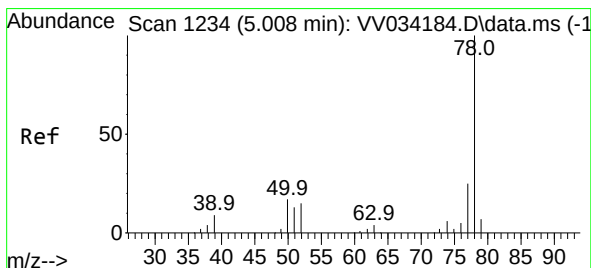
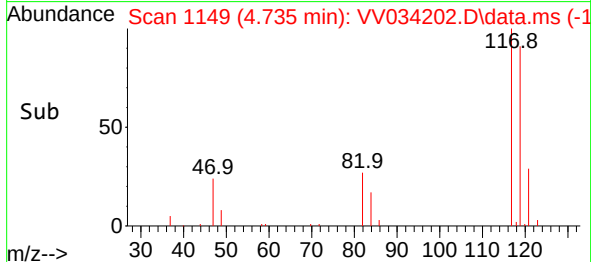
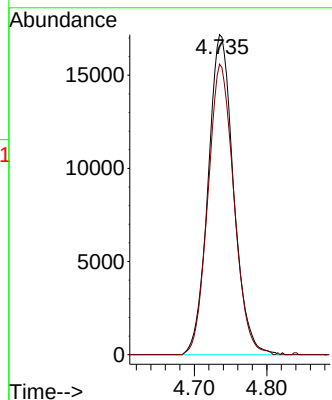
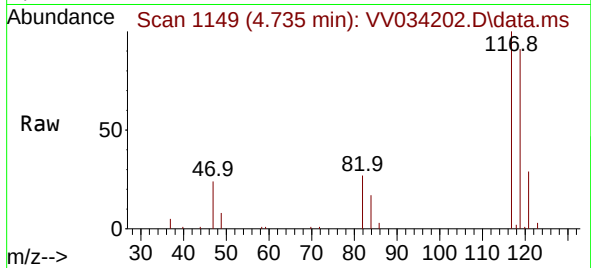




#31
Carbon tetrachloride
Concen: 5.694 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

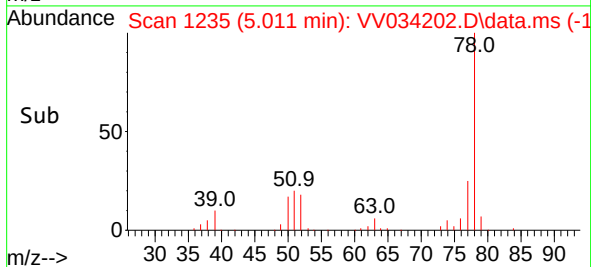
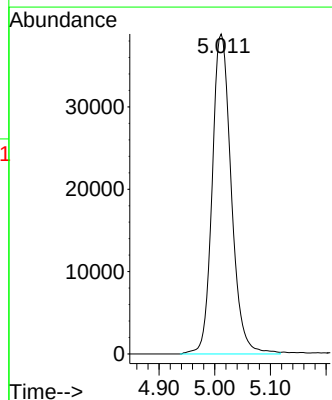
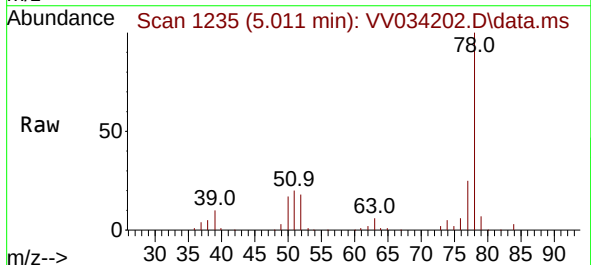
Instrument :
MSVOA_V
ClientSampleId :
E10A0MS

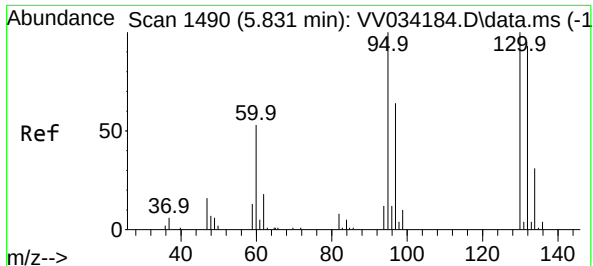
Tgt Ion:117 Resp: 41939
Ion Ratio Lower Upper
117 100
119 92.4 76.1 114.1



#33
Benzene
Concen: 4.918 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

Tgt Ion: 78 Resp: 92487

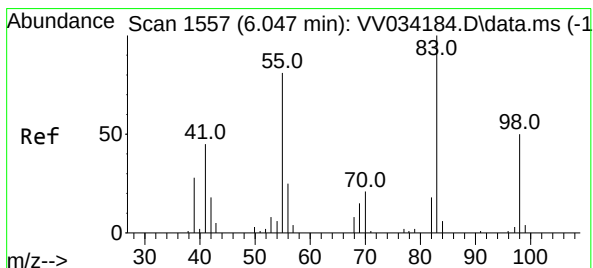
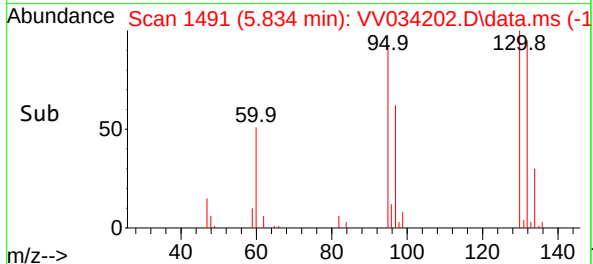
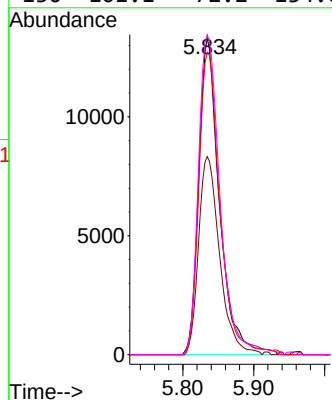
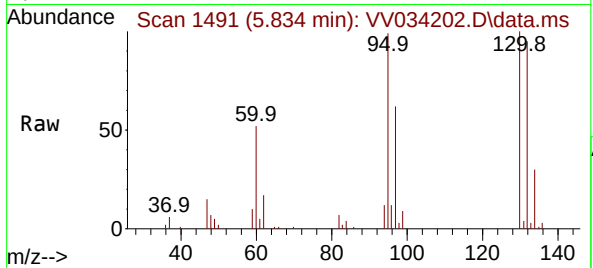




#34
Trichloroethene
Concen: 4.963 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

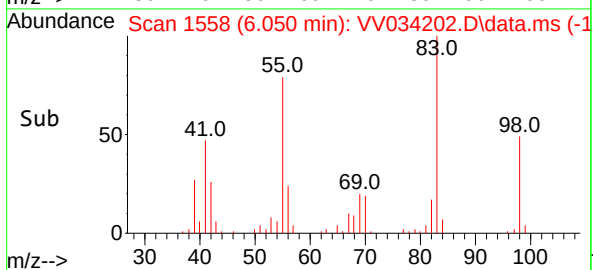
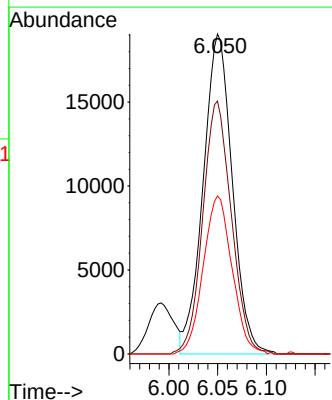
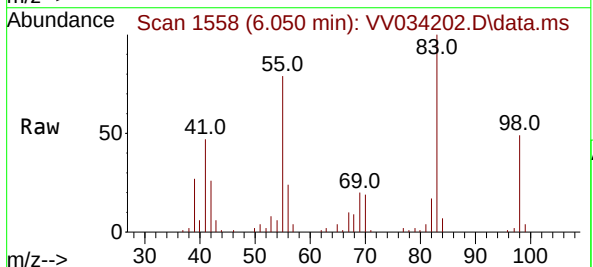
Instrument :
MSVOA_V
ClientSampleId :
E10A0MS

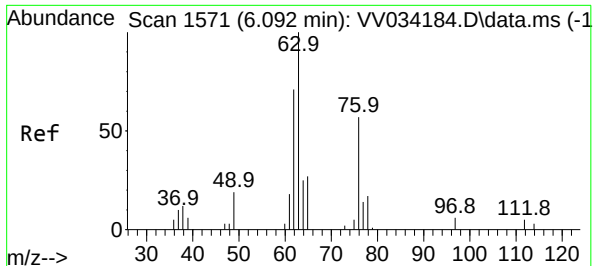
Tgt Ion: 95 Resp: 27010
Ion Ratio Lower Upper
95 100
97 62.6 45.1 83.7
132 95.6 66.0 122.6
130 101.1 72.2 134.0



#35
Methylcyclohexane
Concen: 4.639 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

Tgt Ion: 83 Resp: 39629
Ion Ratio Lower Upper
83 100
55 77.6 63.5 95.3
98 48.8 39.0 58.4

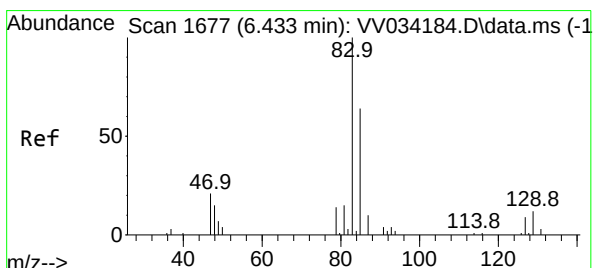
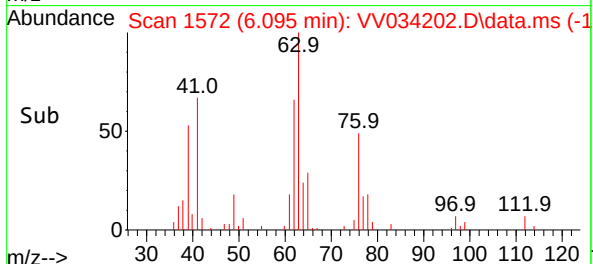
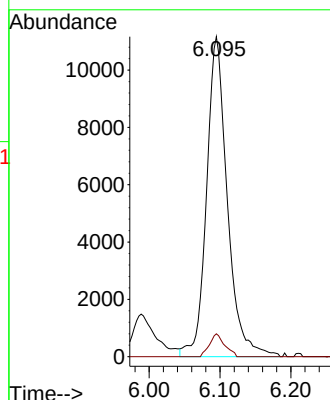
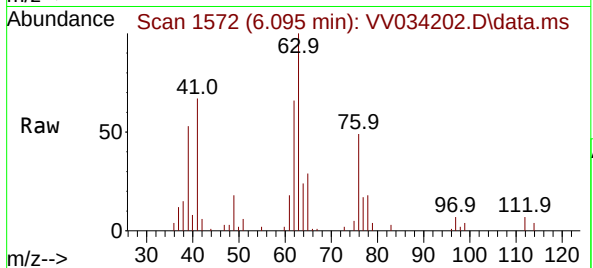




#37
1,2-Dichloropropane
Concen: 4.990 ug/L
RT: 6.095 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

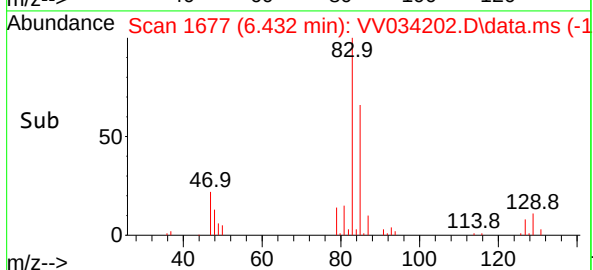
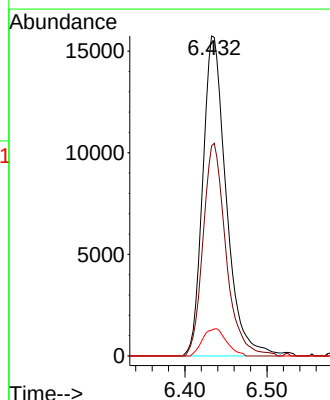
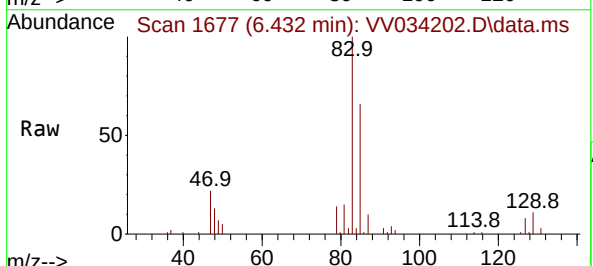
Instrument :
MSVOA_V
ClientSampleId :
E10A0MS

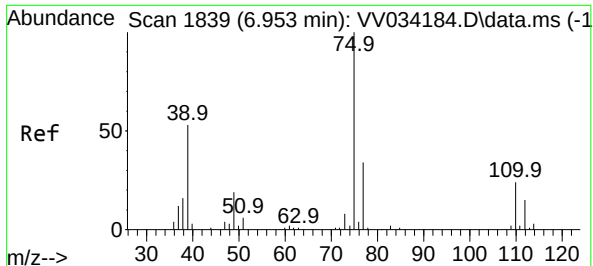
Tgt Ion: 63 Resp: 22731
Ion Ratio Lower Upper
63 100
112 5.2 3.4 5.0#



#38
Bromodichloromethane
Concen: 5.229 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. -0.000 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

Tgt Ion: 83 Resp: 31268
Ion Ratio Lower Upper
83 100
85 65.6 45.4 84.2
127 8.1 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 5.091 ug/L

RT: 6.957 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

Instrument :

MSVOA_V

ClientSampleId :

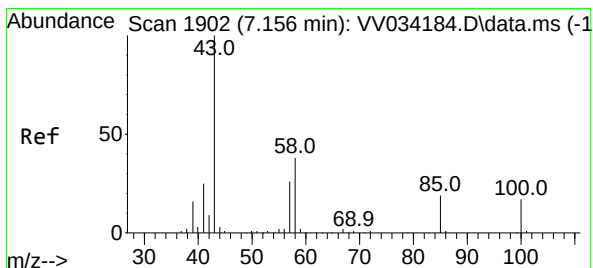
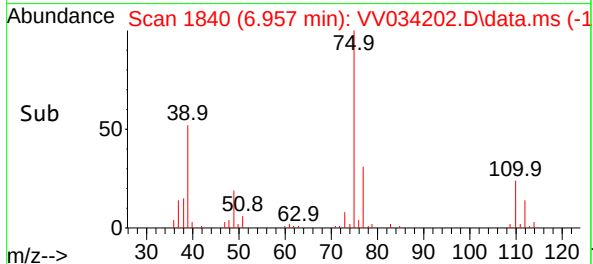
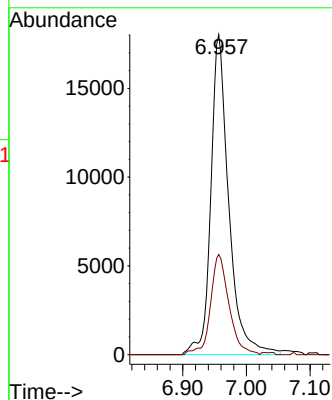
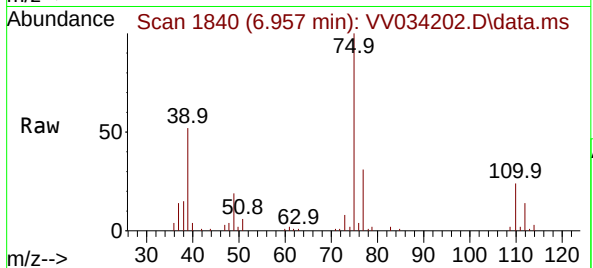
E10A0MS

Tgt Ion: 75 Resp: 35290

Ion Ratio Lower Upper

75 100

77 31.3 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 54.655 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

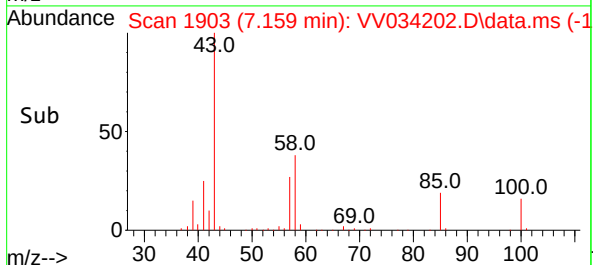
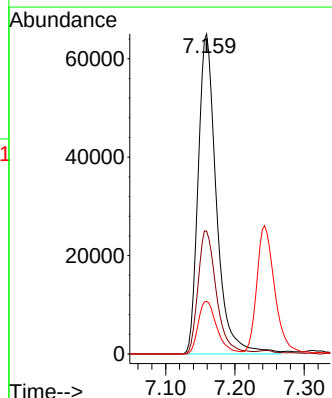
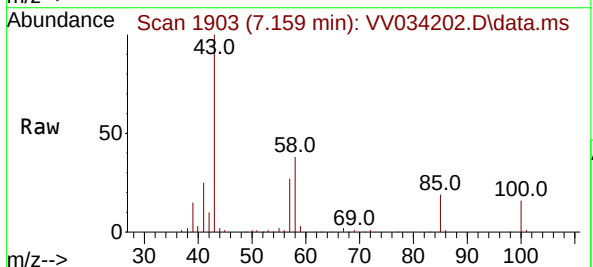
Tgt Ion: 43 Resp: 119227

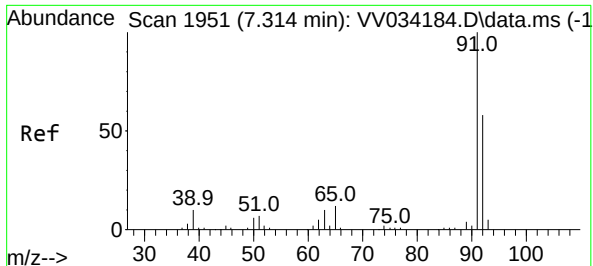
Ion Ratio Lower Upper

43 100

58 39.0 30.2 45.2

100 17.0 12.1 18.1





#42

Toluene

Concen: 5.061 ug/L

RT: 7.317 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

Instrument :

MSVOA_V

ClientSampleId :

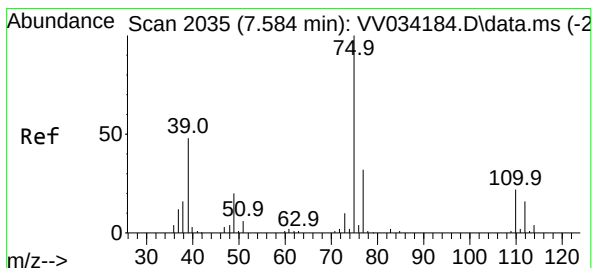
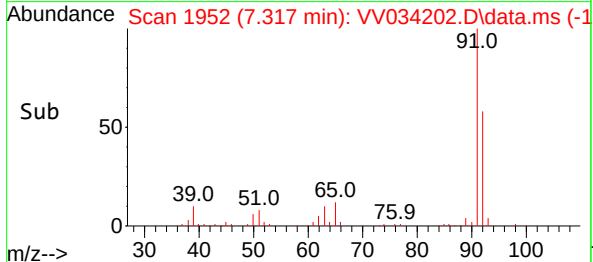
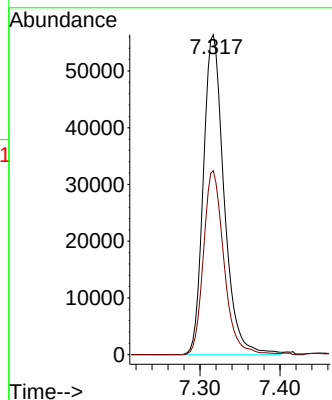
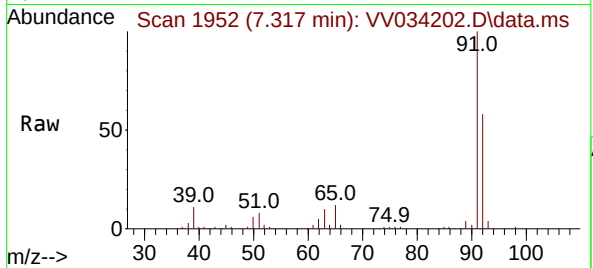
E10A0MS

Tgt Ion: 91 Resp: 101724

Ion Ratio Lower Upper

91 100

92 57.5 42.1 78.3



#44

trans-1,3-Dichloropropene

Concen: 5.391 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV034202.D

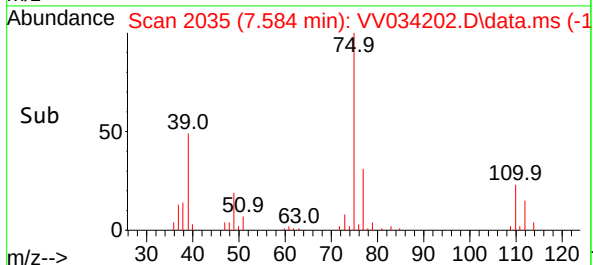
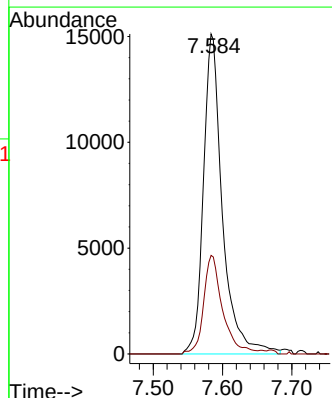
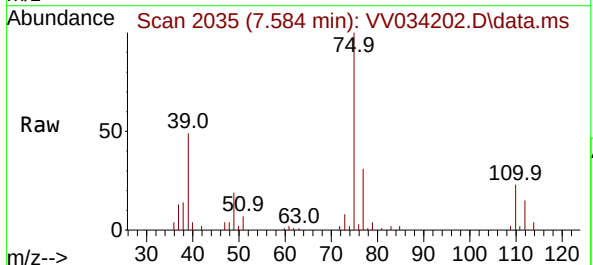
Acq: 15 Feb 2024 21:11

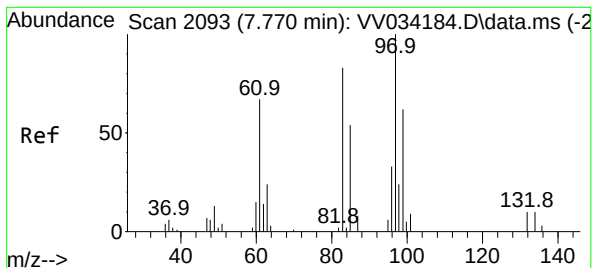
Tgt Ion: 75 Resp: 28690

Ion Ratio Lower Upper

75 100

77 30.8 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 5.516 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. -0.000 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

Instrument :

MSVOA_V

ClientSampleId :

E10A0MS

Tgt Ion: 97 Resp: 15517

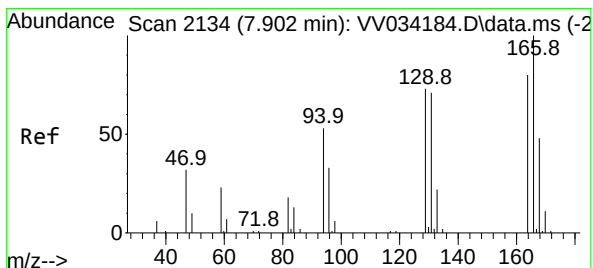
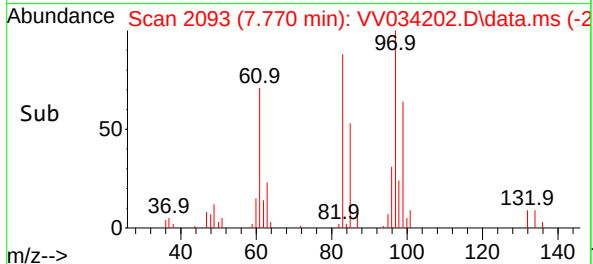
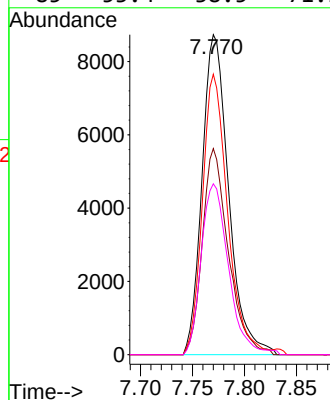
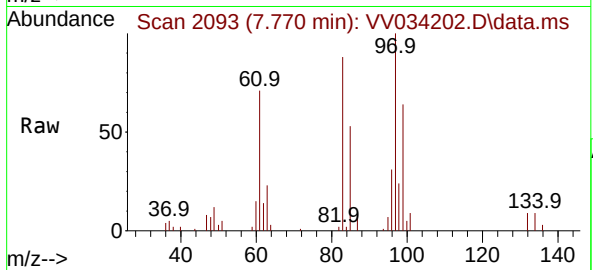
Ion Ratio Lower Upper

97 100

99 64.4 45.6 84.6

83 87.7 62.3 115.7

85 53.4 38.5 71.5



#47

Tetrachloroethene

Concen: 4.661 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.003 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

Tgt Ion:164 Resp: 20612

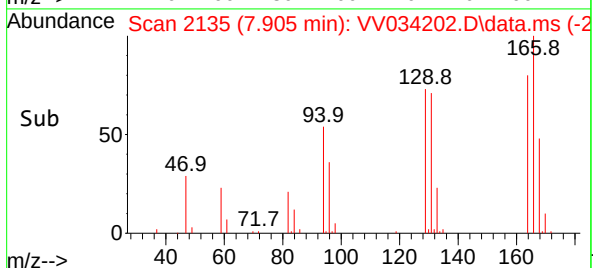
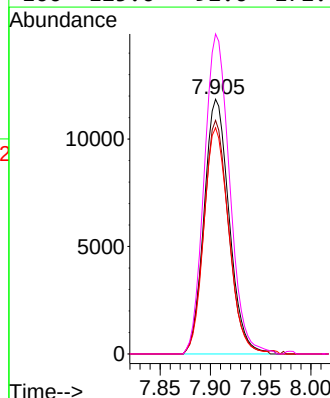
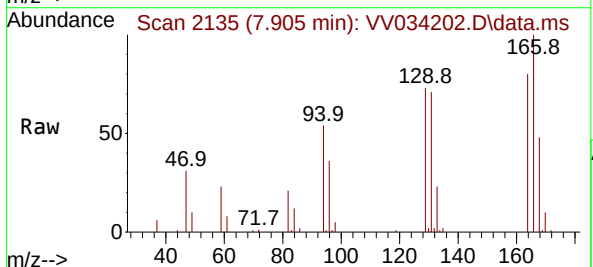
Ion Ratio Lower Upper

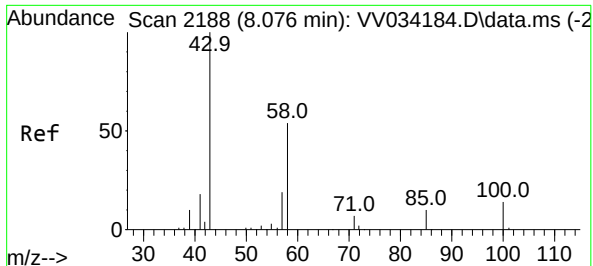
164 100

129 91.7 67.8 125.8

131 88.8 63.0 117.0

166 125.6 92.6 172.0





#48

2-Hexanone

Concen: 53.941 ug/L

RT: 8.075 min Scan# 2188

Delta R.T. -0.000 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

Instrument :

MSVOA_V

ClientSampleId :

E10A0MS

Tgt Ion: 43 Resp: 82944

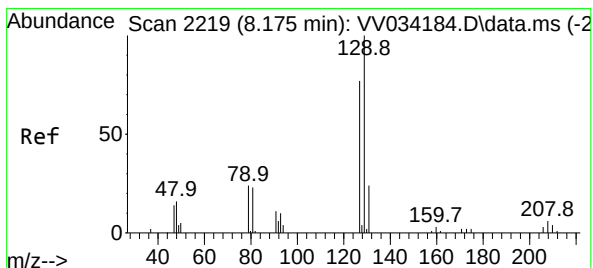
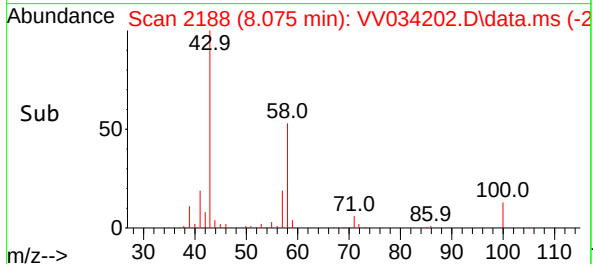
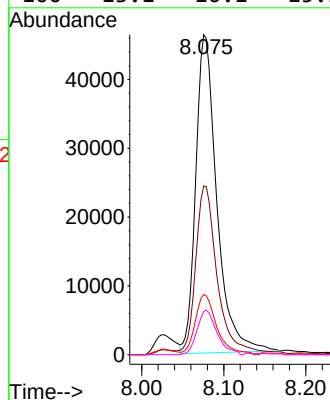
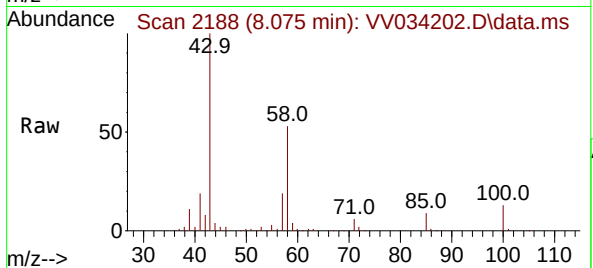
Ion Ratio Lower Upper

43 100

58 53.7 42.6 64.0

57 19.2 15.5 23.3

100 13.1 10.1 15.1



#49

Dibromochloromethane

Concen: 5.863 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. -0.000 min

Lab File: VV034202.D

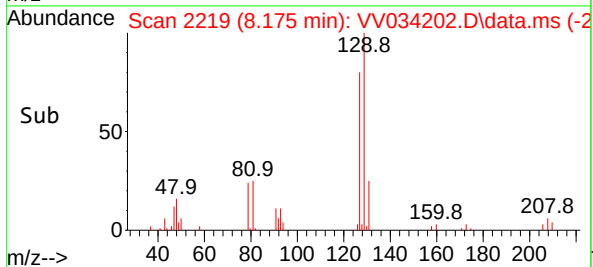
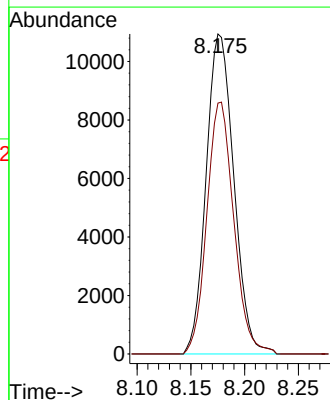
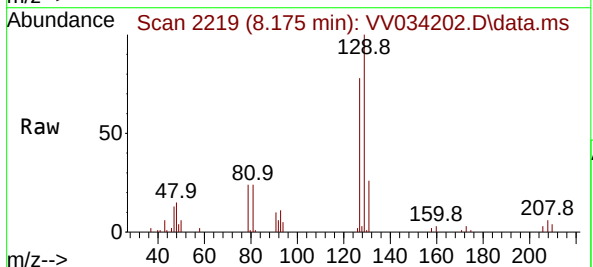
Acq: 15 Feb 2024 21:11

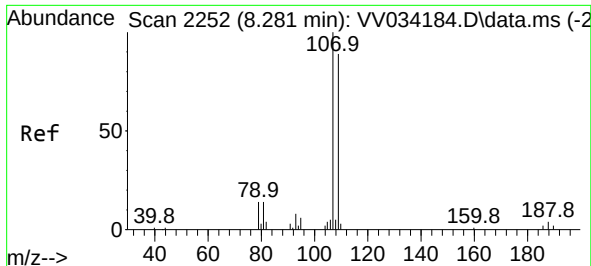
Tgt Ion:129 Resp: 19599

Ion Ratio Lower Upper

129 100

127 78.4 53.5 99.5





#50

1,2-Dibromoethane

Concen: 5.543 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

Instrument :

MSVOA_V

ClientSampleId :

E10A0MS

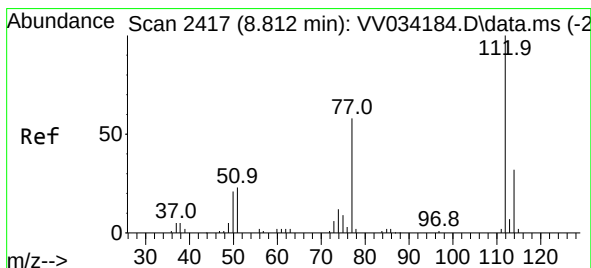
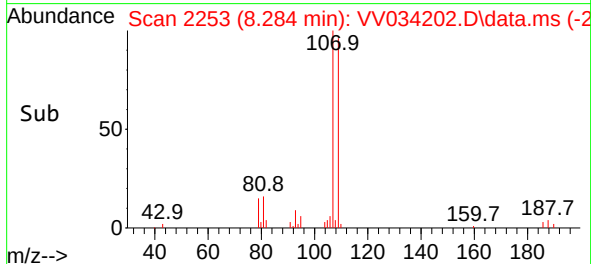
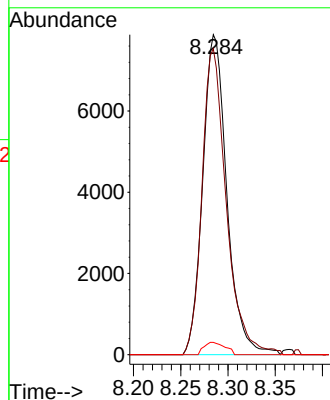
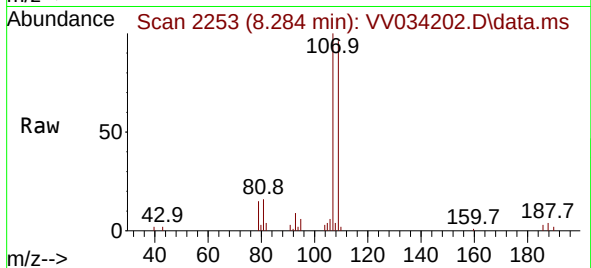
Tgt Ion:107 Resp: 13996

Ion Ratio Lower Upper

107 100

109 95.6 64.5 119.9

188 3.9 2.6 4.0



#51

Chlorobenzene

Concen: 5.000 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.003 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

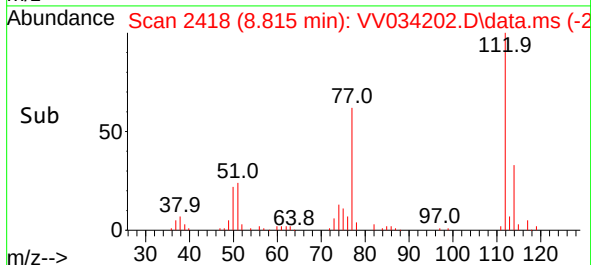
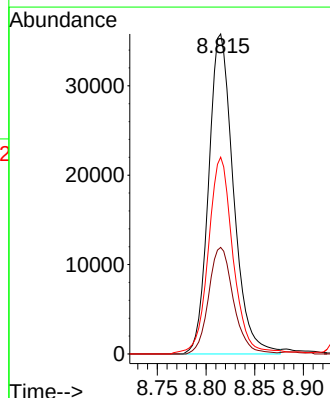
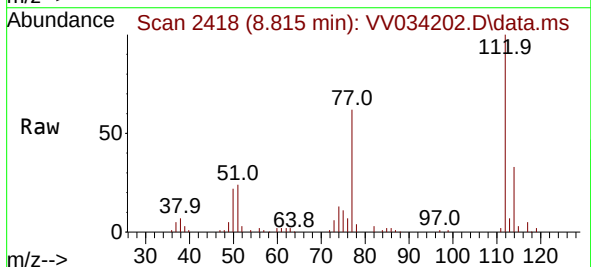
Tgt Ion:112 Resp: 63544

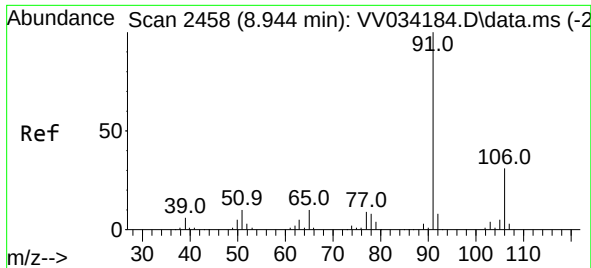
Ion Ratio Lower Upper

112 100

114 33.3 22.5 41.7

77 61.5 48.1 72.1

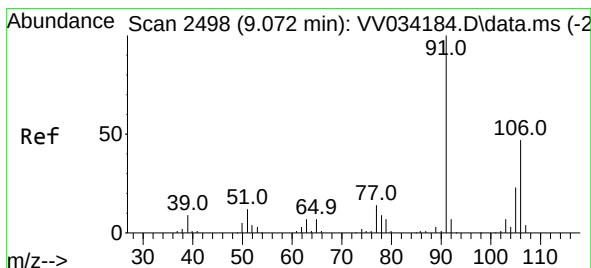
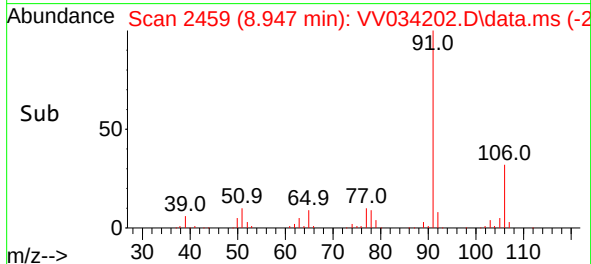
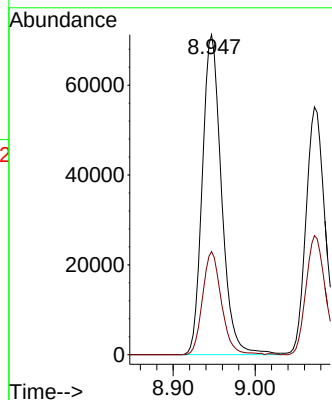
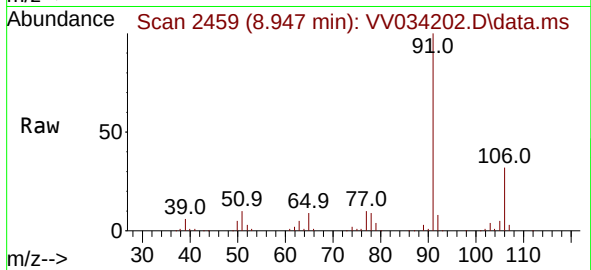




#52
Ethylbenzene
Concen: 5.004 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

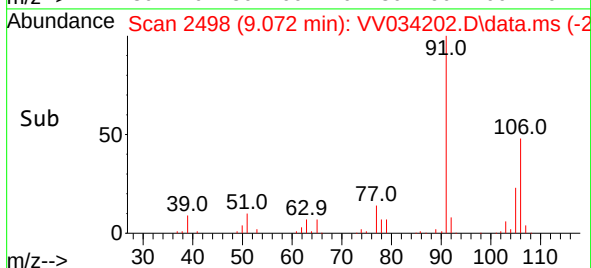
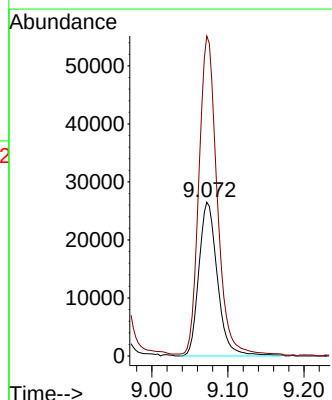
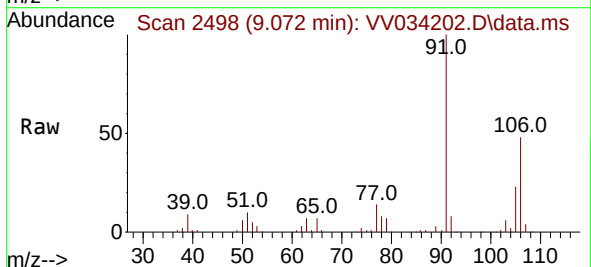
Instrument :
MSVOA_V
ClientSampleId :
E10A0MS

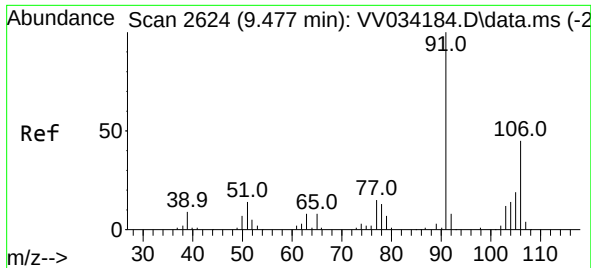
Tgt Ion: 91 Resp: 115780
Ion Ratio Lower Upper
91 100
106 32.2 21.4 39.8



#53
m,p-Xylene
Concen: 5.142 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

Tgt Ion: 106 Resp: 44952
Ion Ratio Lower Upper
106 100
91 208.1 147.5 273.9

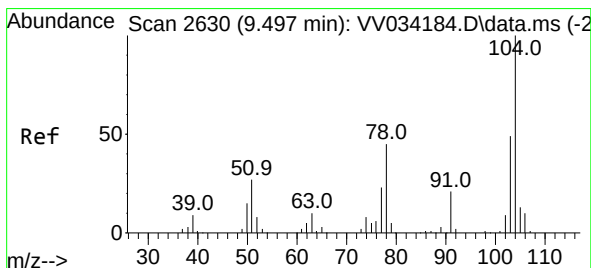
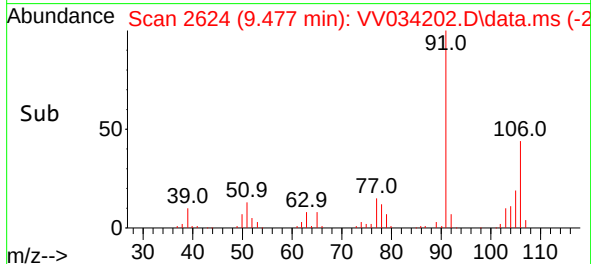
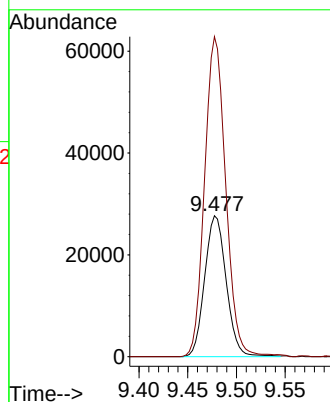
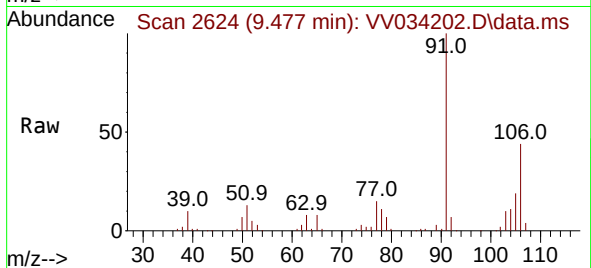




#54
o-Xylene
Concen: 5.056 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

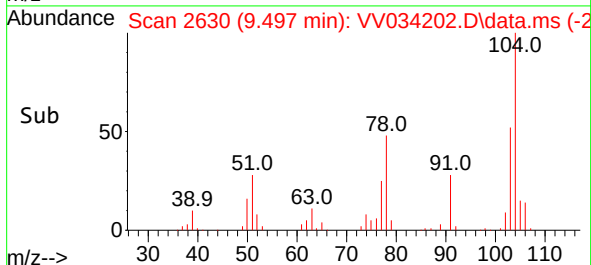
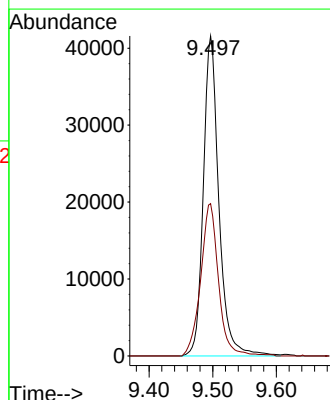
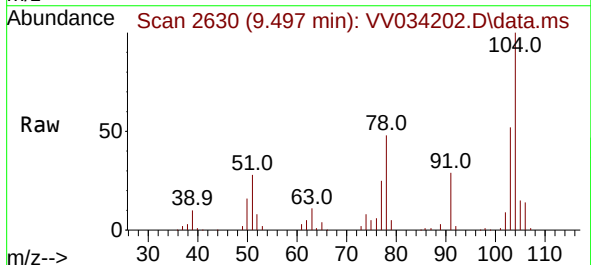
Instrument : MSVOA_V
ClientSampleId : E10A0MS

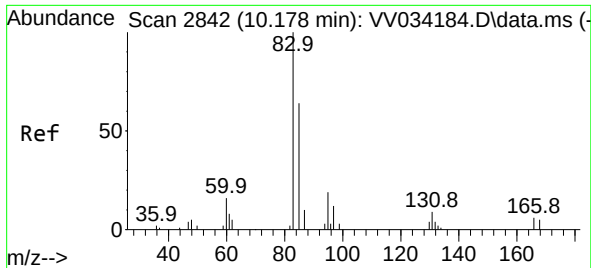
Tgt Ion:106 Resp: 42629
Ion Ratio Lower Upper
106 100
91 227.0 156.2 290.0



#55
Styrene
Concen: 5.230 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. -0.000 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

Tgt Ion:104 Resp: 70595
Ion Ratio Lower Upper
104 100
78 47.6 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 5.422 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. -0.000 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

Instrument :

MSVOA_V

ClientSampleId :

E10A0MS

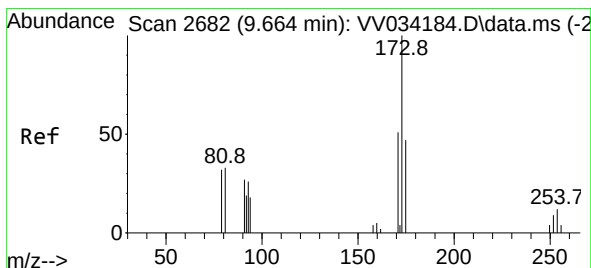
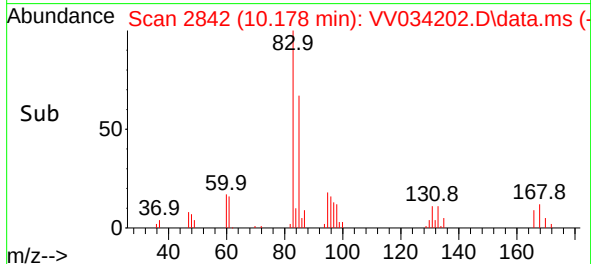
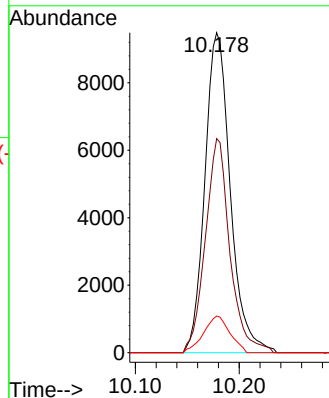
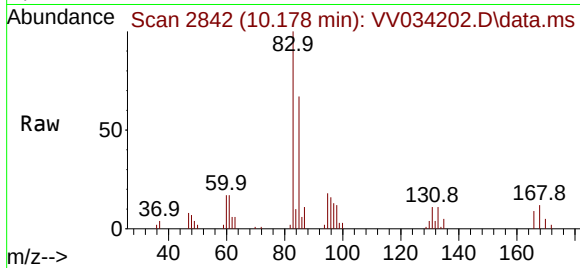
Tgt Ion: 83 Resp: 16098

Ion Ratio Lower Upper

83 100

85 66.9 46.5 86.3

131 11.5 8.4 12.6



#59

Bromoform

Concen: 6.065 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.003 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

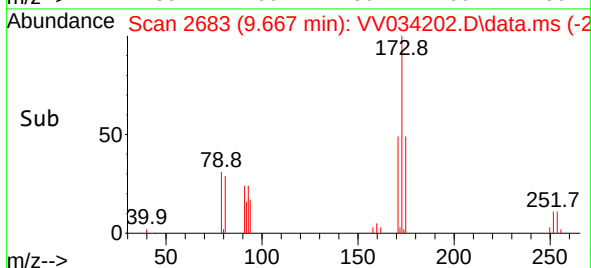
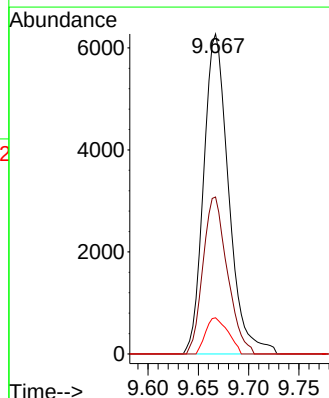
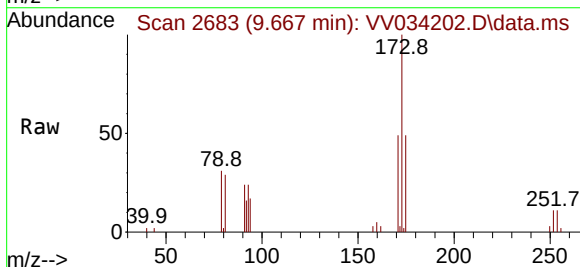
Tgt Ion: 173 Resp: 10855

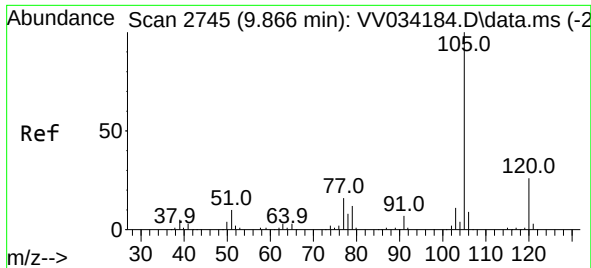
Ion Ratio Lower Upper

173 100

175 47.6 38.6 57.8

254 10.1 7.2 10.8

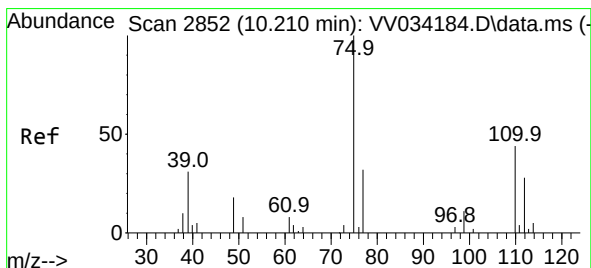
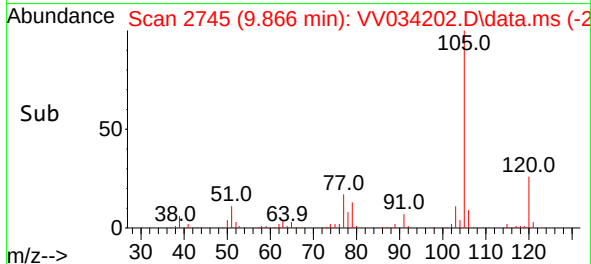
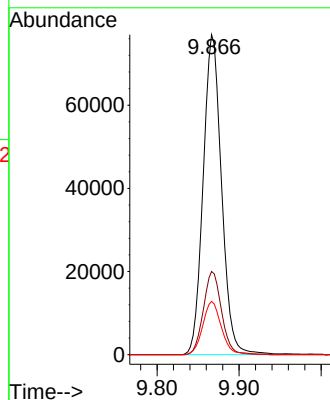
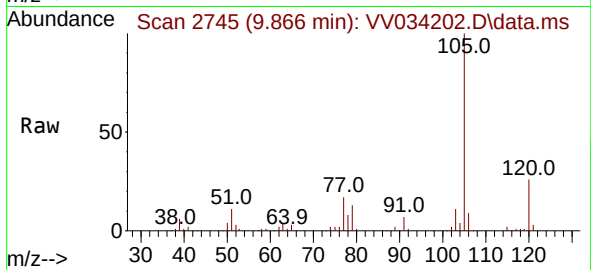




#60
Isopropylbenzene
Concen: 5.005 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

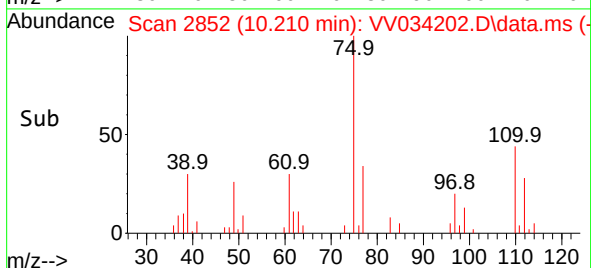
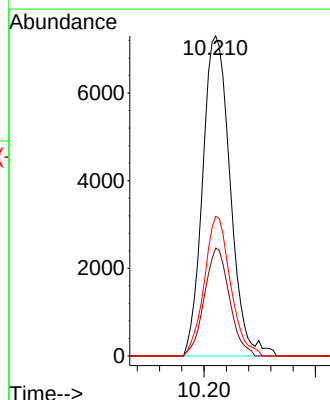
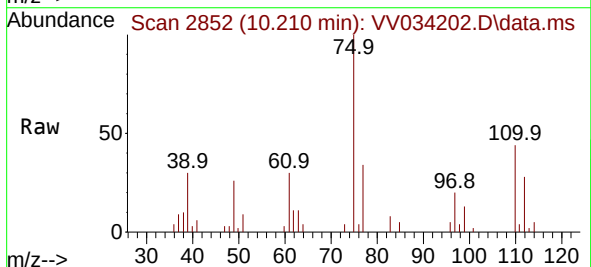
Instrument :
MSVOA_V
ClientSampleId :
E10A0MS

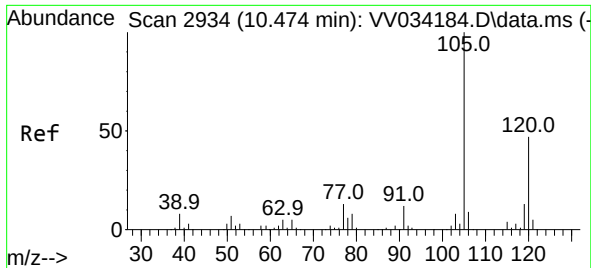
Tgt Ion:105 Resp: 120317
Ion Ratio Lower Upper
105 100
120 25.7 20.7 31.1
77 16.8 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.617 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.000 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

Tgt Ion: 75 Resp: 12546
Ion Ratio Lower Upper
75 100
77 30.7 26.9 40.3
110 41.5 33.3 49.9

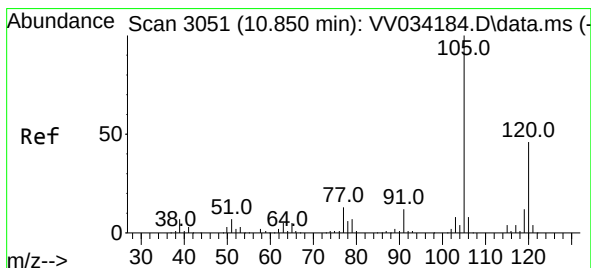
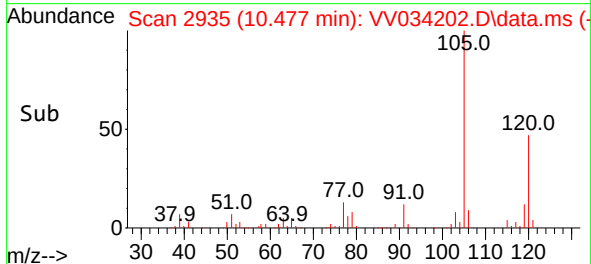
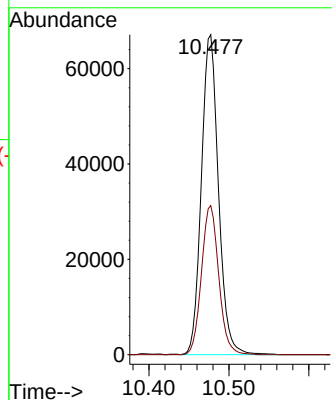
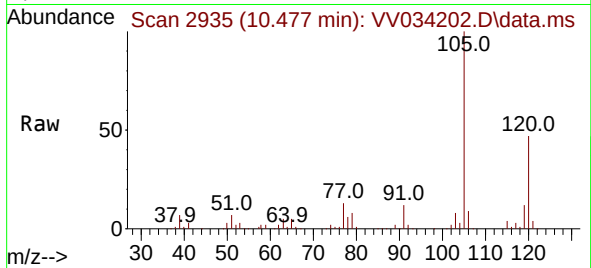




#62
1,3,5-Trimethylbenzene
Concen: 4.922 ug/L
RT: 10.477 min Scan# 2935
Delta R.T. 0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

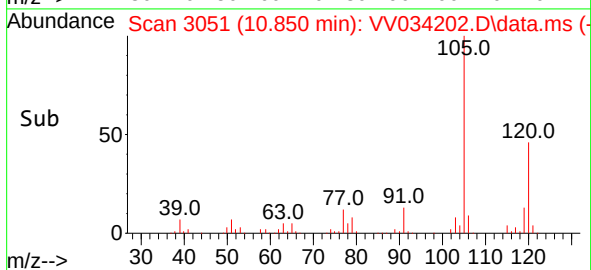
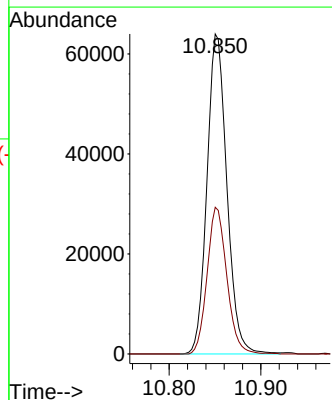
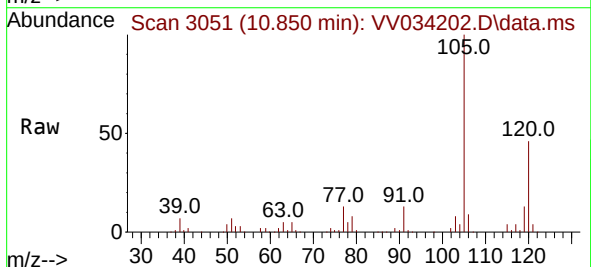
Instrument :
MSVOA_V
ClientSampleId :
E10A0MS

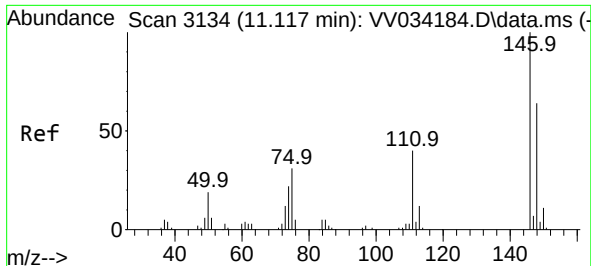
Tgt Ion:105 Resp: 100031
Ion Ratio Lower Upper
105 100
120 47.0 38.2 57.4



#63
1,2,4-Trimethylbenzene
Concen: 4.886 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

Tgt Ion:105 Resp: 96486
Ion Ratio Lower Upper
105 100
120 45.5 36.2 54.2

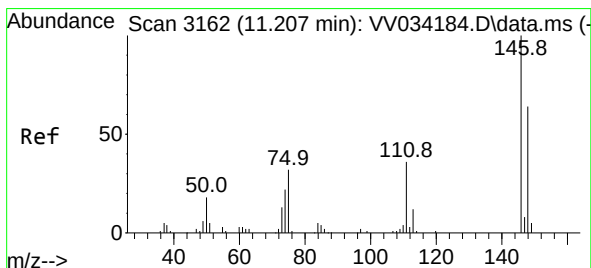
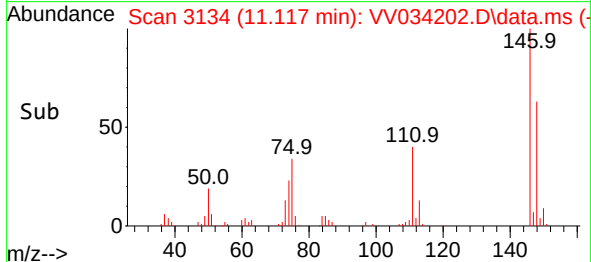
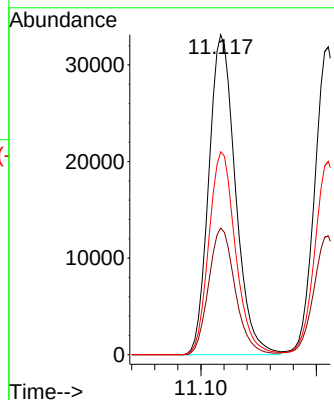
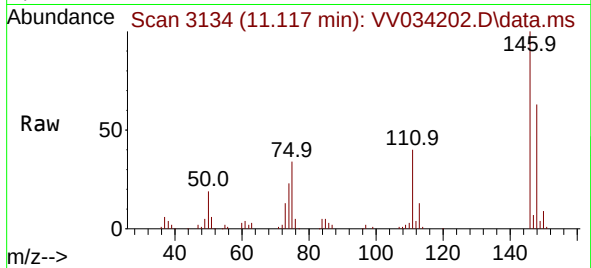




#64
1,3-Dichlorobenzene
Concen: 5.064 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

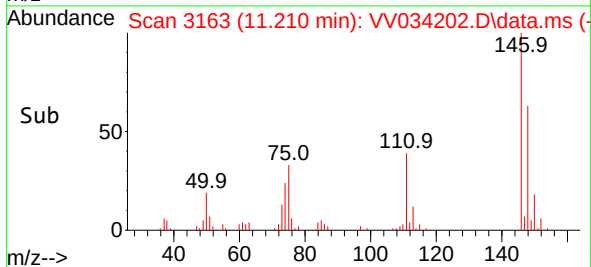
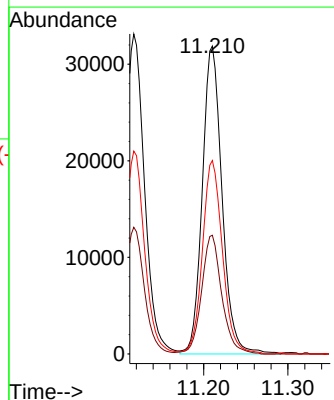
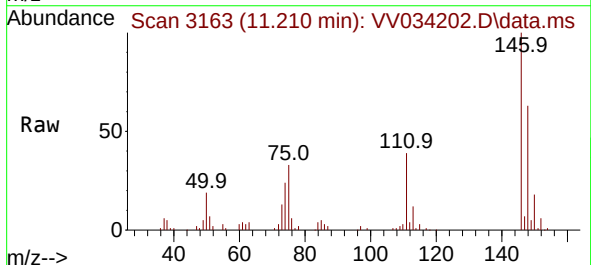
Instrument :
MSVOA_V
ClientSampleId :
E10A0MS

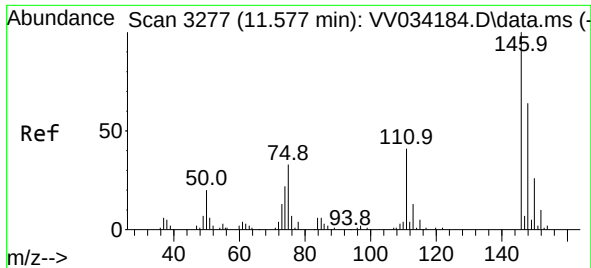
Tgt Ion:146 Resp: 53089
Ion Ratio Lower Upper
146 100
111 39.6 28.5 52.9
148 63.4 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 5.019 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

Tgt Ion:146 Resp: 52096
Ion Ratio Lower Upper
146 100
111 38.6 27.6 51.4
148 62.8 44.8 83.2

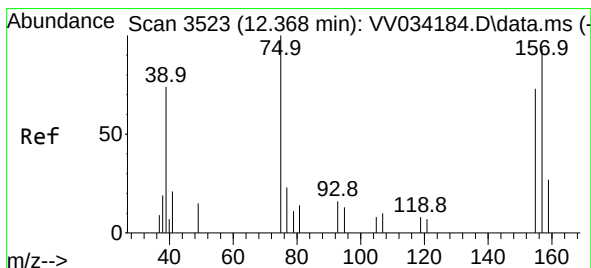
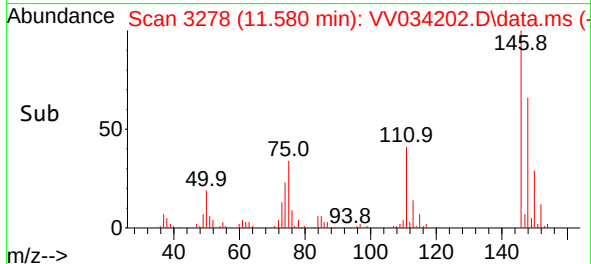
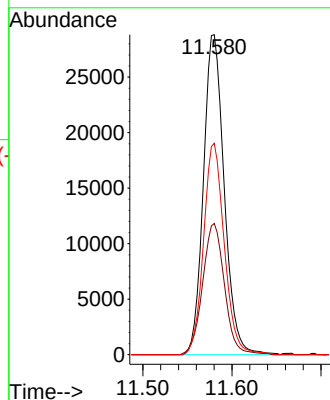
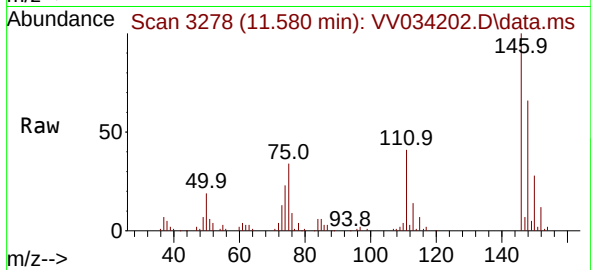




#67
1,2-Dichlorobenzene
Concen: 5.184 ug/L
RT: 11.580 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

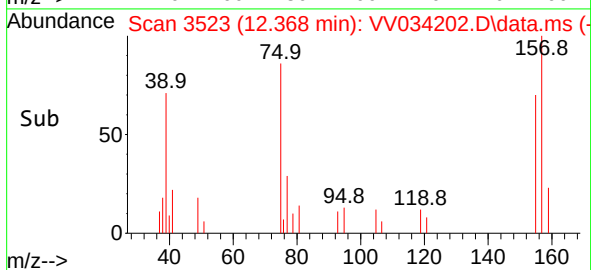
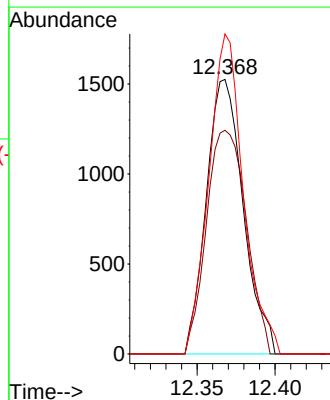
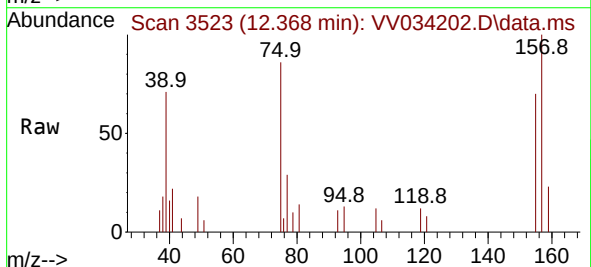
Instrument :
MSVOA_V
ClientSampleId :
E10A0MS

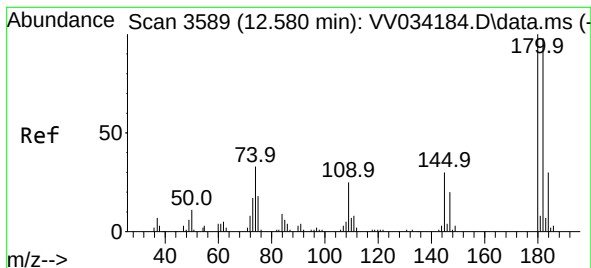
Tgt Ion:146 Resp: 46670
Ion Ratio Lower Upper
146 100
111 41.0 31.2 46.8
148 66.1 49.8 74.8



#68
1,2-Dibromo-3-chloropropane
Concen: 5.362 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. -0.000 min
Lab File: VV034202.D
Acq: 15 Feb 2024 21:11

Tgt Ion: 75 Resp: 2510
Ion Ratio Lower Upper
75 100
155 81.5 68.9 103.3
157 116.5 84.6 127.0





#69

1,3,5-Trichlorobenzene

Concen: 4.841 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.003 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

Instrument :

MSVOA_V

ClientSampleId :

E10A0MS

Tgt Ion:180 Resp: 39270

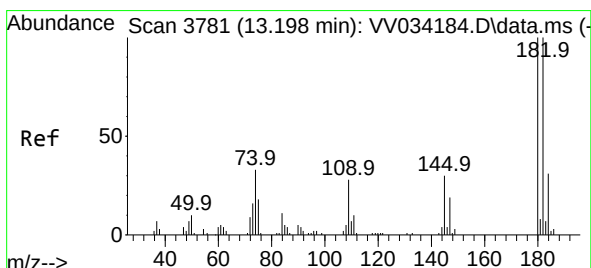
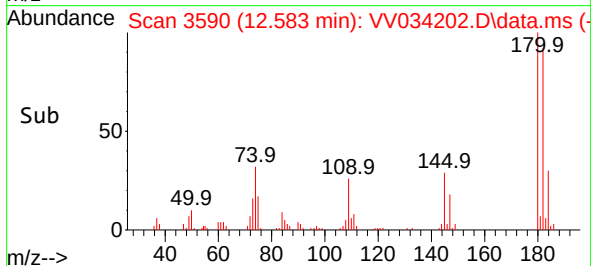
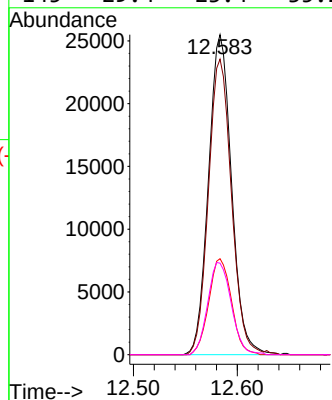
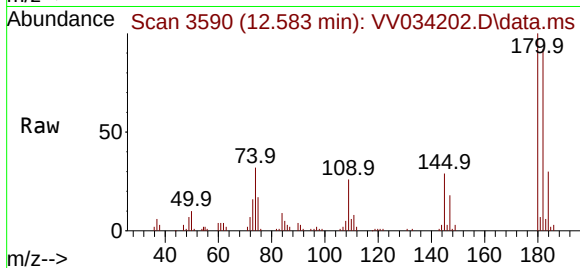
Ion Ratio Lower Upper

180 100

182 92.5 77.0 115.4

184 29.6 23.8 35.6

145 29.4 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 4.733 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

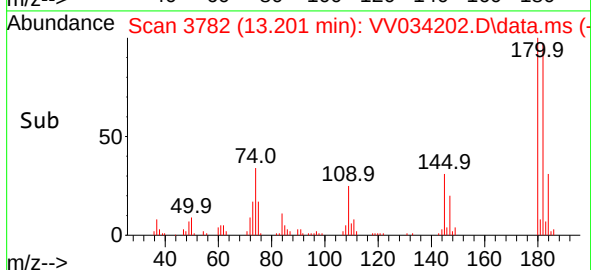
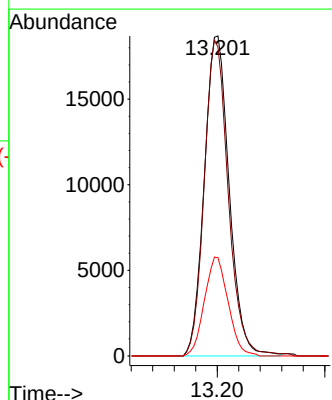
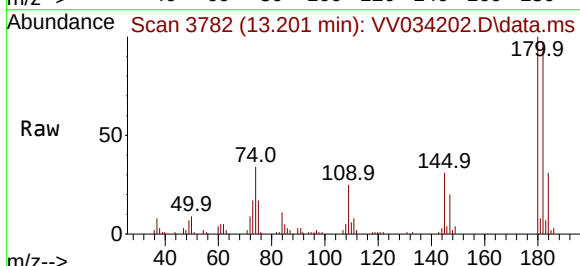
Tgt Ion:180 Resp: 29976

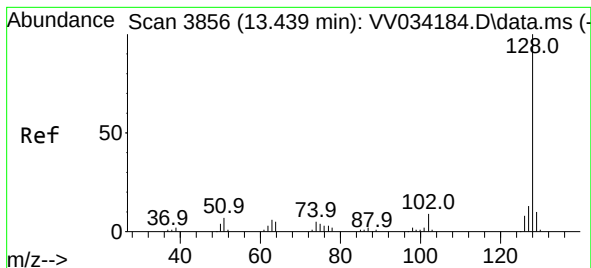
Ion Ratio Lower Upper

180 100

182 95.4 76.8 115.2

145 29.4 24.8 37.2





#71

Naphthalene

Concen: 5.103 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.003 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

Instrument :

MSVOA_V

ClientSampleId :

E10A0MS

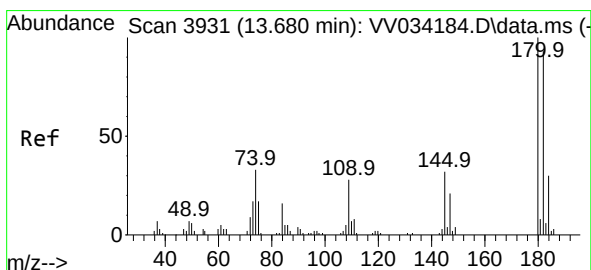
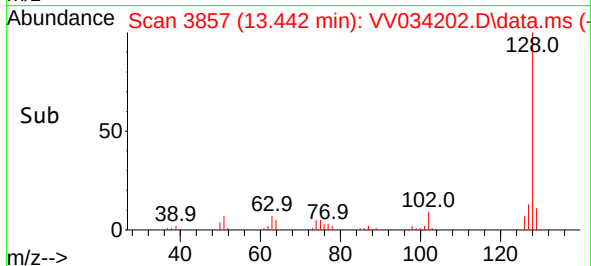
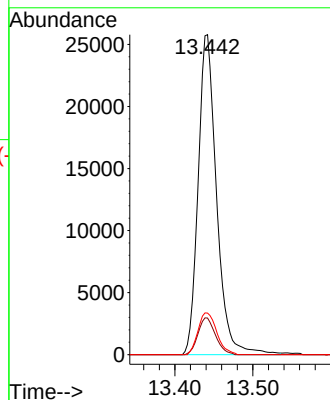
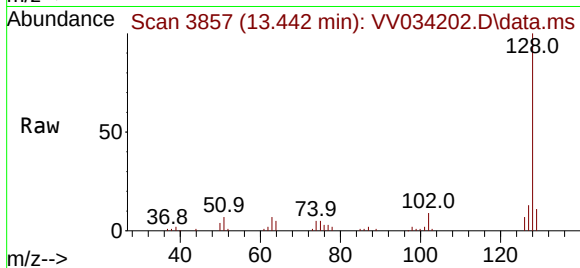
Tgt Ion:128 Resp: 42341

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

127 13.3 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.082 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV034202.D

Acq: 15 Feb 2024 21:11

Tgt Ion:180 Resp: 25789

Ion Ratio Lower Upper

180 100

182 93.6 75.0 112.6

145 32.4 25.2 37.8

