

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
 Data File : VV036494.D
 Acq On : 11 Jul 2024 13:45
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 12 01:38:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 01:31:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	309707	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	316609	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	181972	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	111590	25.149	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.600%
7) Chloroethane-d5	1.526	69	95541	24.628	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.520%
11) 1,1-Dichloroethene-d2	2.050	65	55824	24.500	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.000%
21) 2-Butanone-d5	3.847	46	33972	44.733	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.460%
24) Chloroform-d	4.239	84	212358	23.556	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.240%
26) 1,2-Dichloroethane-d4	4.934	65	104897	23.460	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.840%
32) Benzene-d6	4.950	84	399769	25.310	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.240%
36) 1,2-Dichloropropane-d6	5.982	67	112973	23.999	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.000%
41) Toluene-d8	7.236	98	389491	26.725	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.920%
43) trans-1,3-Dichloroprop...	7.548	79	50172	25.635	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.560%
47) 2-Hexanone-d5	8.030	63	27129	51.889	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.780%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	91131	22.986	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.960%
66) 1,2-Dichlorobenzene-d4	11.557	152	148885	24.109	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	98862	22.026	ug/L	100
3) Chloromethane	1.211	50	74799	20.766	ug/L	100
5) Vinyl chloride	1.275	62	98371	22.194	ug/L	99
6) Bromomethane	1.481	94	77894	21.781	ug/L	98
8) Chloroethane	1.542	64	67900	22.144	ug/L	99
9) Trichlorofluoromethane	1.706	101	186228	23.673	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	127200	23.980	ug/L	99
12) 1,1-Dichloroethene	2.059	96	104508	22.842	ug/L	97
13) Acetone	2.059	43	1250	1.164	ug/L	94
14) Carbon disulfide	2.230	76	202201	19.684	ug/L	100
15) Methyl Acetate	2.387	43	33971	23.418	ug/L	95
16) Methylene chloride	2.439	84	196013	30.784	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	96344	23.172	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	228831	24.561	ug/L	99
19) 1,1-Dichloroethane	3.101	63	176601	23.466	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	103925	24.049	ug/L	98
22) 2-Butanone	3.915	43	33001	36.610	ug/L	89
23) Bromochloromethane	4.140	128	59099	24.079	ug/L	99
25) Chloroform	4.265	83	211668	23.687	ug/L	99

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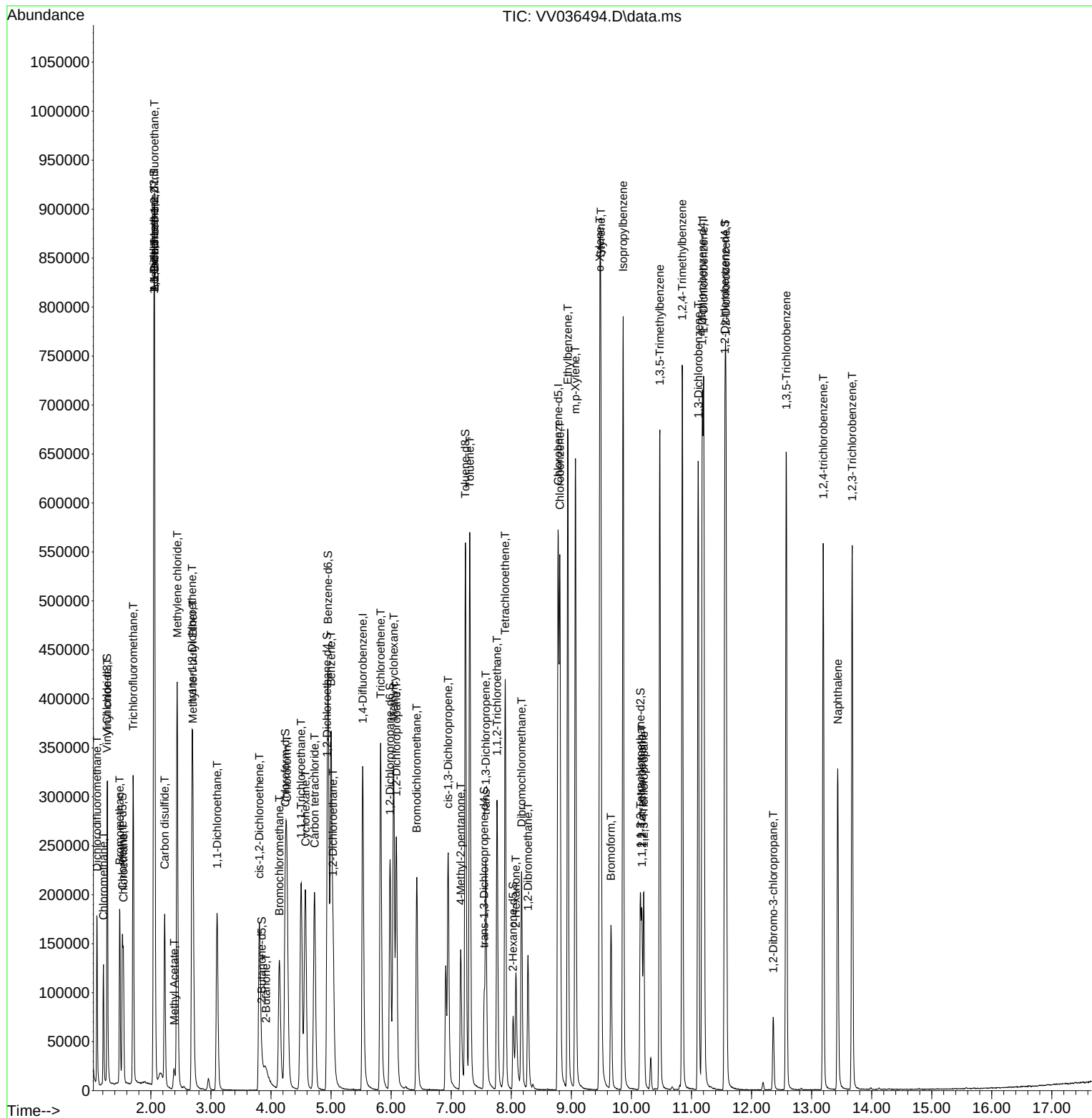
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	124803	24.863	ug/L	100
29) Cyclohexane	4.574	56	97794	24.281	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	179797	24.429	ug/L	100
31) Carbon tetrachloride	4.725	117	159411	24.422	ug/L	100
33) Benzene	5.001	78	387974	24.762	ug/L	100
34) Trichloroethene	5.825	95	123144	24.699	ug/L	98
35) Methylcyclohexane	6.043	83	141611	24.887	ug/L	98
37) 1,2-Dichloropropane	6.088	63	98269	24.852	ug/L	100
38) Bromodichloromethane	6.426	83	153111	24.438	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	156531	25.671	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	94914	52.820	ug/L	97
42) Toluene	7.310	91	439584	26.478	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	140271	25.801	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	96271	24.707	ug/L	99
46) Tetrachloroethene	7.898	164	97608	24.212	ug/L	99
48) 2-Hexanone	8.079	43	73896	55.438	ug/L	99
49) Dibromochloromethane	8.172	129	117853	25.013	ug/L	100
50) 1,2-Dibromoethane	8.278	107	92988	25.429	ug/L	99
51) Chlorobenzene	8.808	112	309967	24.930	ug/L	100
52) Ethylbenzene	8.940	91	466872	26.216	ug/L	99
53) m,p-Xylene	9.069	106	185870	27.108	ug/L	99
54) o-Xylene	9.474	106	174897	26.792	ug/L	99
55) Styrene	9.490	104	330894	28.330	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	83238	23.395	ug/L	98
59) Bromoform	9.660	173	78530	24.350	ug/L	98
60) Isopropylbenzene	9.863	105	488466	26.869	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	79052	24.417	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	346503	26.616	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	389032	27.462	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	277473	25.819	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	291123	25.227	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	263215	25.487	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	18302	26.127	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	216291	25.992	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	177107	26.760	ug/L	98
71) Naphthalene	13.435	128	271332	27.297	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	173593	27.724	ug/L	100

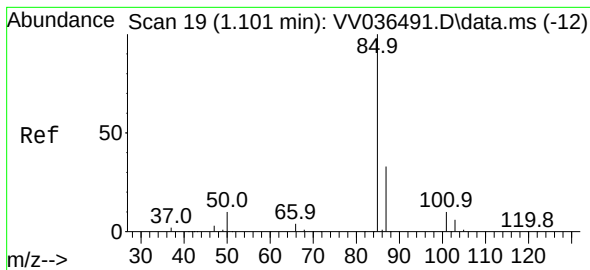
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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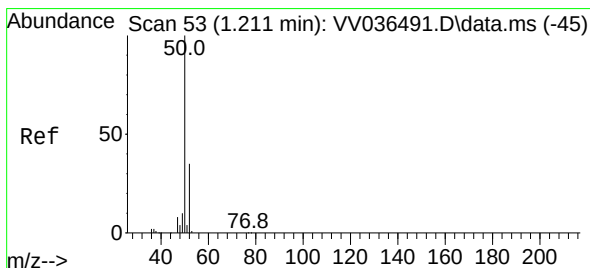
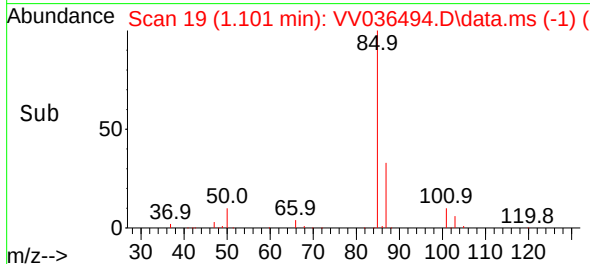
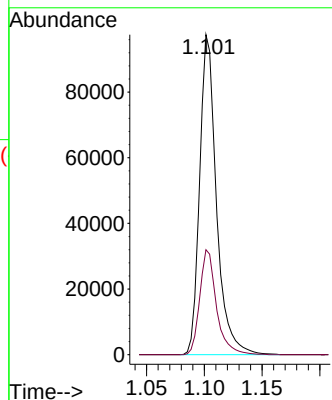
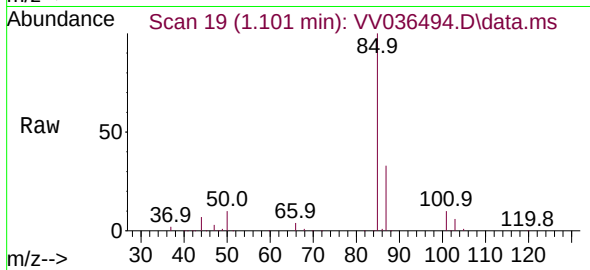




#2
 Dichlorodifluoromethane
 Concen: 22.026 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. -0.000 min
 Lab File: VV036494.D
 Acq: 11 Jul 2024 13:45

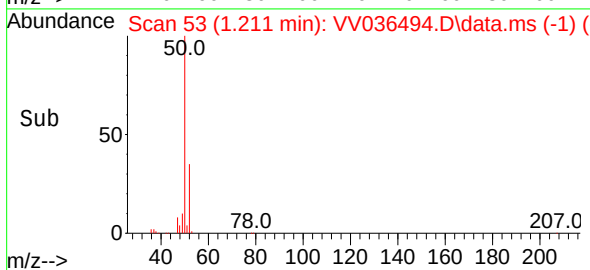
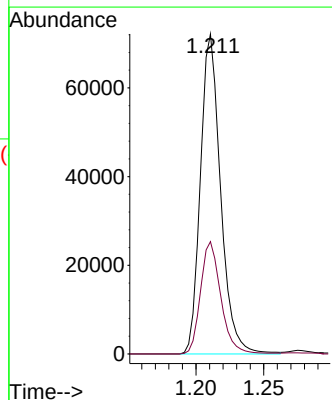
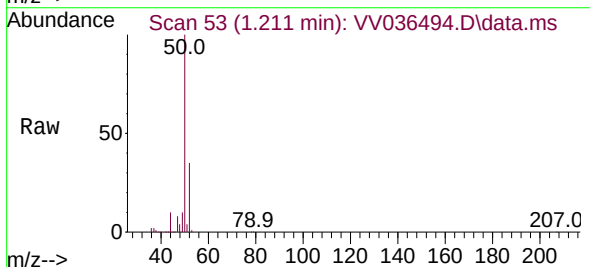
Instrument :
 MSVOA_V
 ClientSampleId :

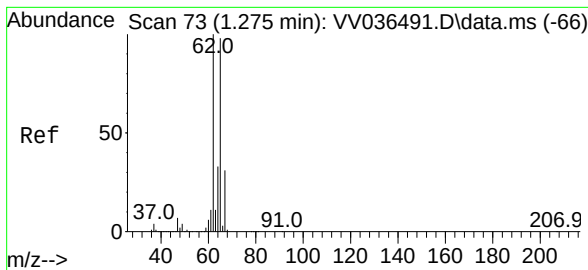
Tgt Ion: 85 Resp: 98862
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.2 39.2



#3
 Chloromethane
 Concen: 20.766 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV036494.D
 Acq: 11 Jul 2024 13:45

Tgt Ion: 50 Resp: 74799
 Ion Ratio Lower Upper
 50 100
 52 35.1 24.4 45.4

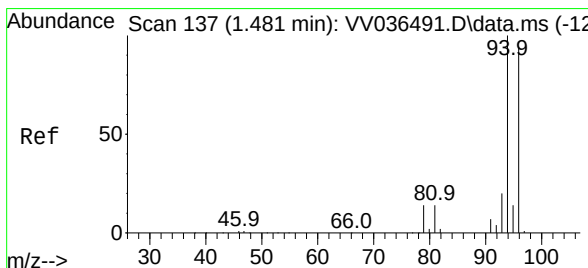
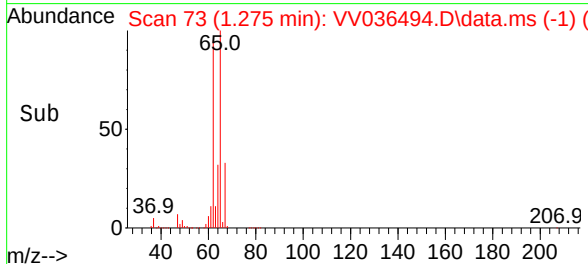
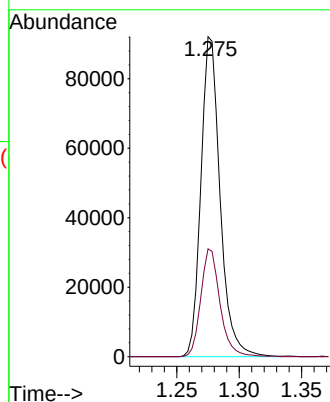
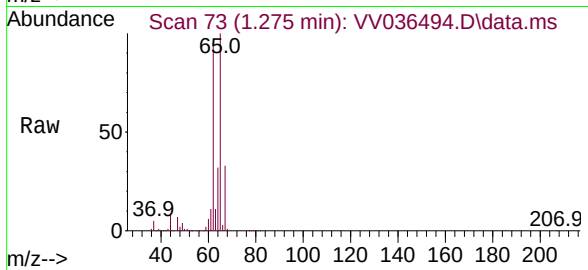




#5
 Vinyl chloride
 Concen: 22.194 ug/L
 RT: 1.275 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: VV036494.D
 Acq: 11 Jul 2024 13:45

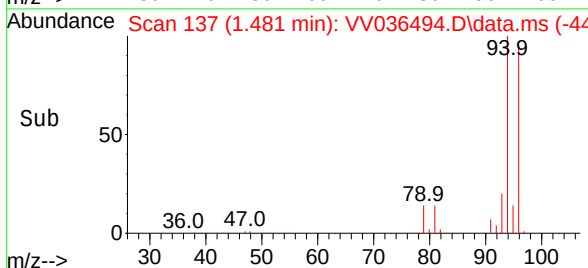
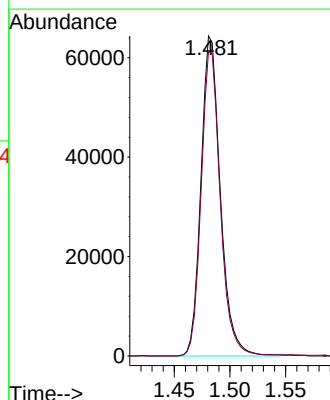
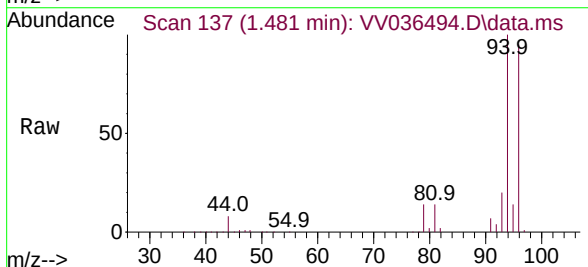
Instrument :
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 ClientSampleId :

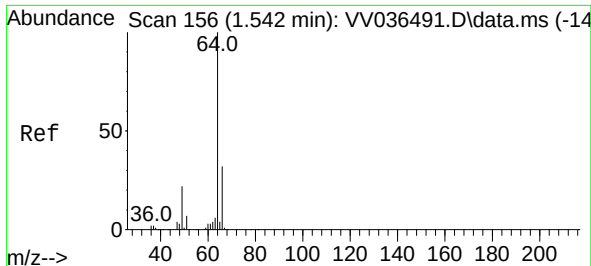
Tgt Ion: 62 Resp: 98371
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.4 43.4



#6
 Bromomethane
 Concen: 21.781 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. 0.000 min
 Lab File: VV036494.D
 Acq: 11 Jul 2024 13:45

Tgt Ion: 94 Resp: 77894
 Ion Ratio Lower Upper
 94 100
 96 95.2 65.6 121.8

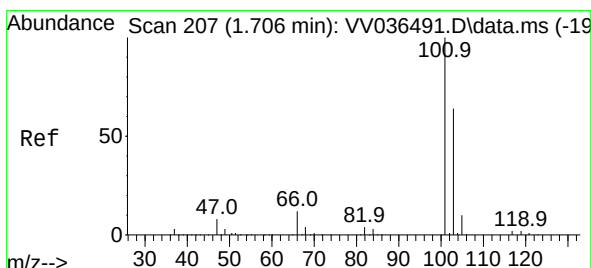
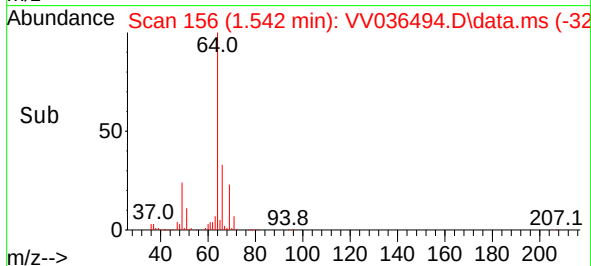
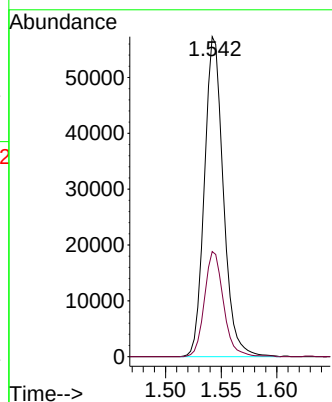
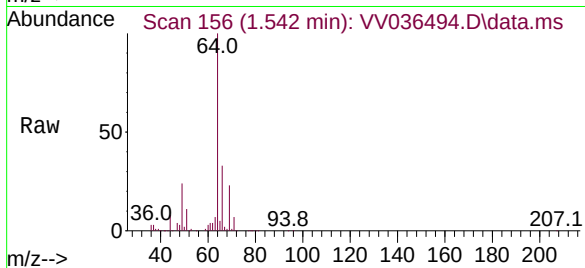




#8
Chloroethane
Concen: 22.144 ug/L
RT: 1.542 min Scan# 156
Delta R.T. -0.000 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

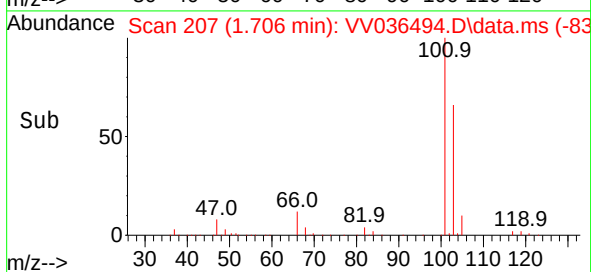
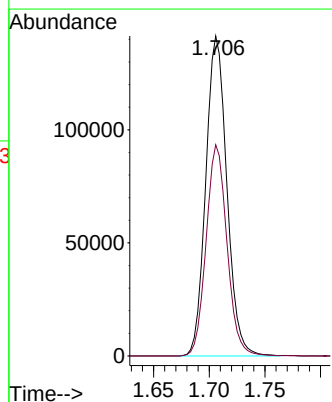
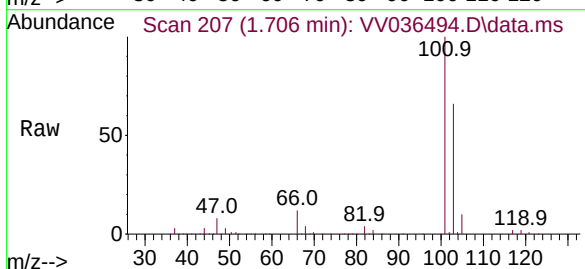
Instrument :
MSVOA_V
ClientSampleId :

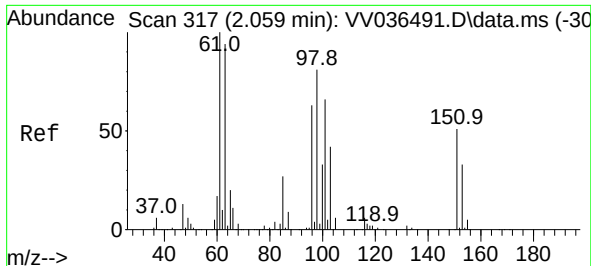
Tgt Ion: 64 Resp: 67900
Ion Ratio Lower Upper
64 100
66 32.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 23.673 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.000 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

Tgt Ion:101 Resp: 186228
Ion Ratio Lower Upper
101 100
103 65.3 51.9 77.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 23.980 ug/L

RT: 2.059 min Scan# 317

Delta R.T. -0.000 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

ClientSampleId :

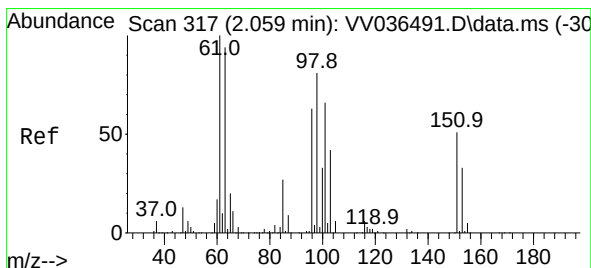
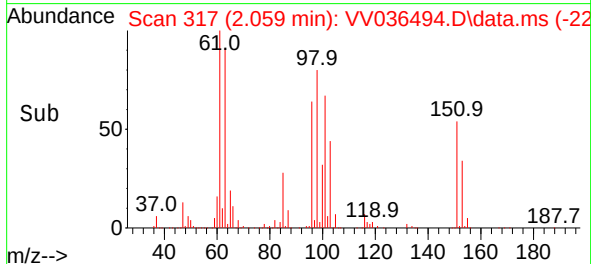
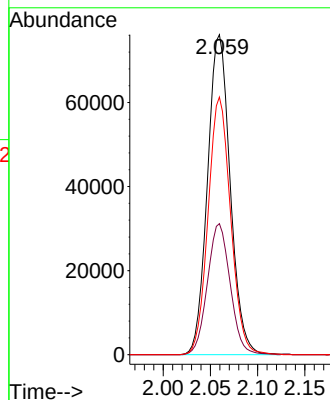
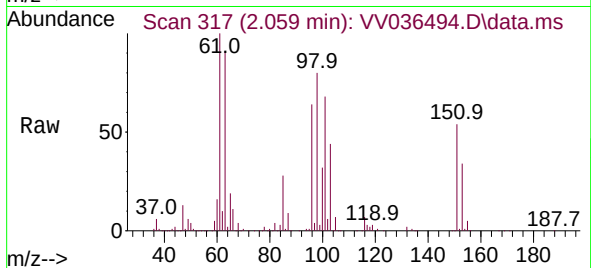
Tgt Ion:101 Resp: 127200

Ion Ratio Lower Upper

101 100

85 41.0 32.5 48.7

151 79.9 62.6 94.0



#12

1,1-Dichloroethene

Concen: 22.842 ug/L

RT: 2.059 min Scan# 317

Delta R.T. -0.000 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

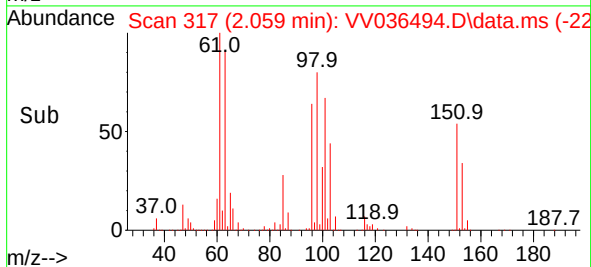
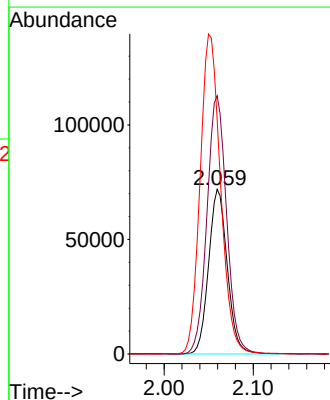
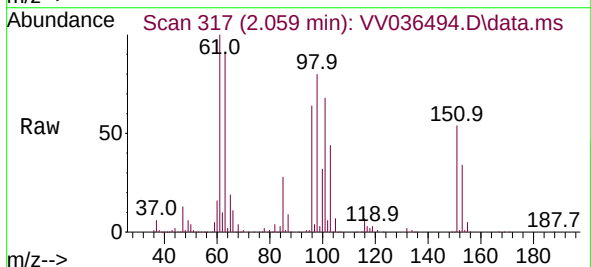
Tgt Ion: 96 Resp: 104508

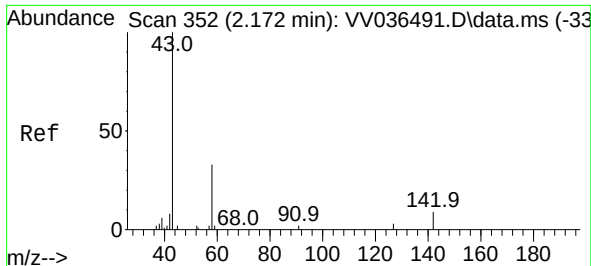
Ion Ratio Lower Upper

96 100

61 156.9 110.8 205.8

63 142.4 103.9 192.9

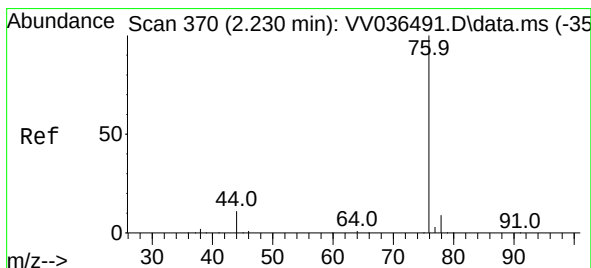
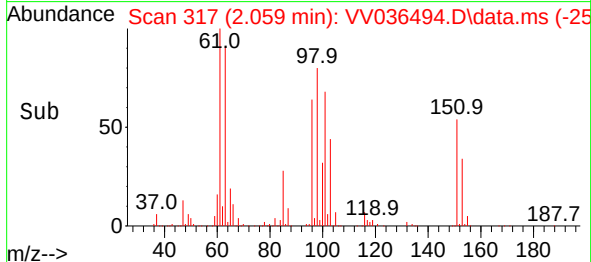
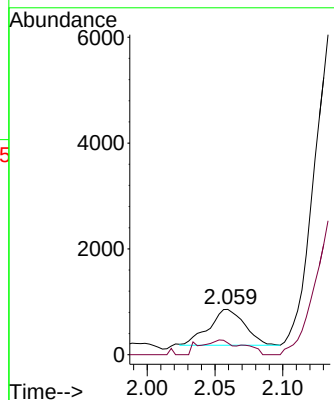
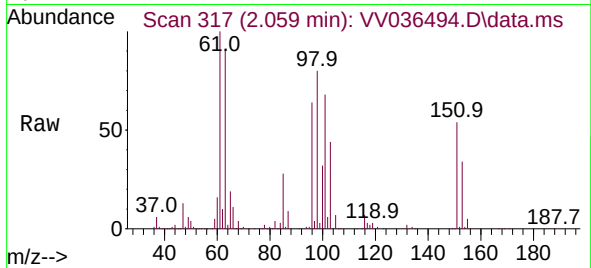




#13
Acetone
Concen: 1.164 ug/L
RT: 2.059 min Scan# 317
Delta R.T. -0.113 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

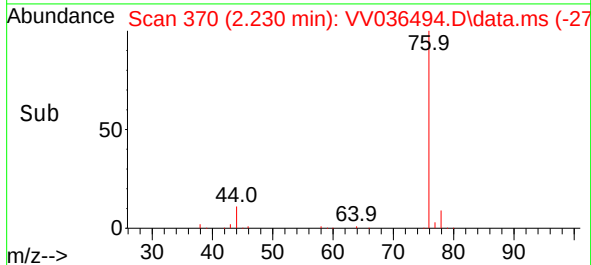
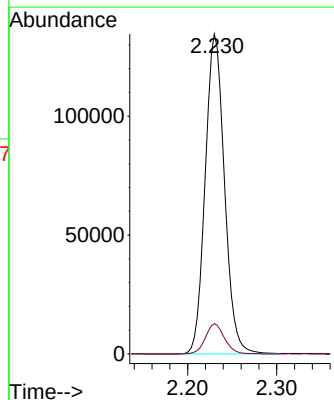
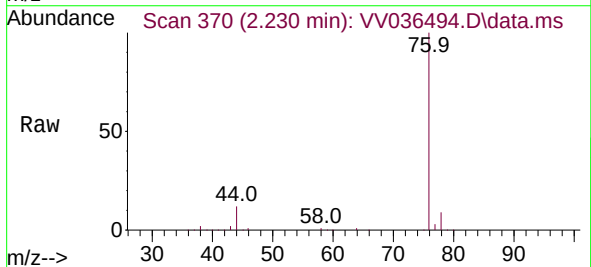
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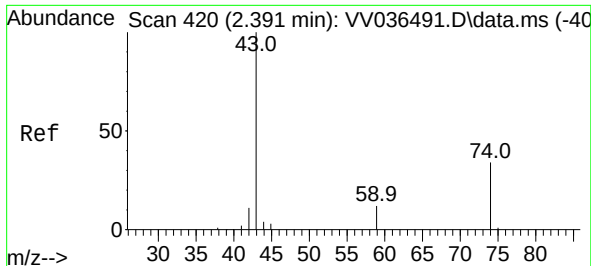
Tgt Ion: 43 Resp: 1250
Ion Ratio Lower Upper
43 100
58 16.5 0.0 28.4



#14
Carbon disulfide
Concen: 19.684 ug/L
RT: 2.230 min Scan# 370
Delta R.T. 0.000 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

Tgt Ion: 76 Resp: 202201
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2





#15

Methyl Acetate

Concen: 23.418 ug/L

RT: 2.387 min Scan# 419

Delta R.T. -0.003 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

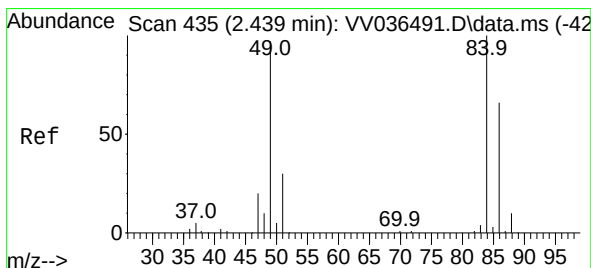
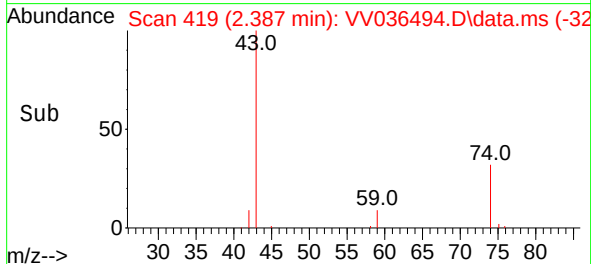
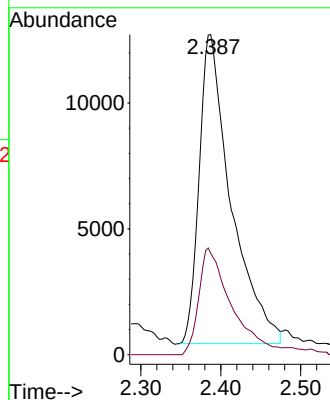
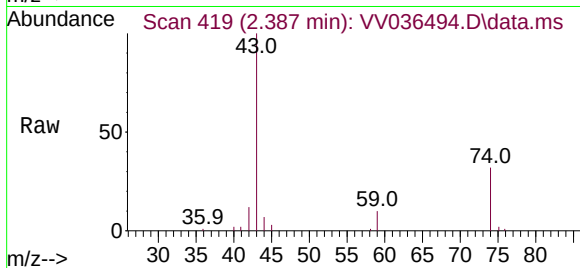
ClientSampleId :

Tgt Ion: 43 Resp: 33971

Ion Ratio Lower Upper

43 100

74 35.5 26.3 39.5



#16

Methylene chloride

Concen: 30.784 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.000 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

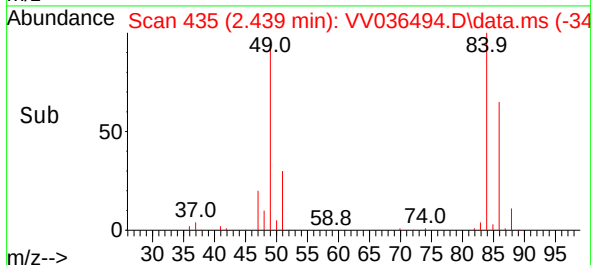
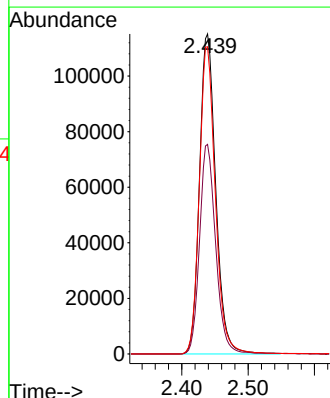
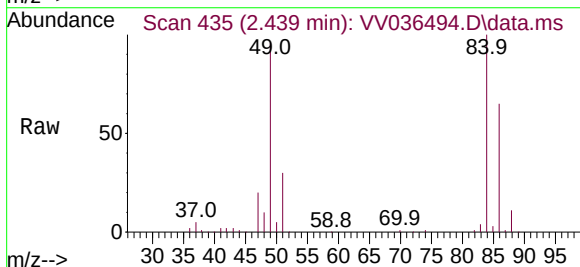
Tgt Ion: 84 Resp: 196013

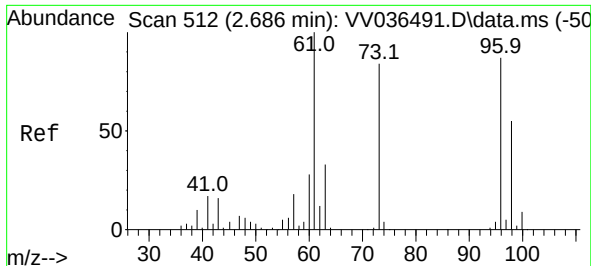
Ion Ratio Lower Upper

84 100

86 65.5 46.3 86.1

49 96.0 68.1 126.5





#17

trans-1,2-Dichloroethene

Concen: 23.172 ug/L

RT: 2.686 min Scan# 512

Delta R.T. -0.000 min

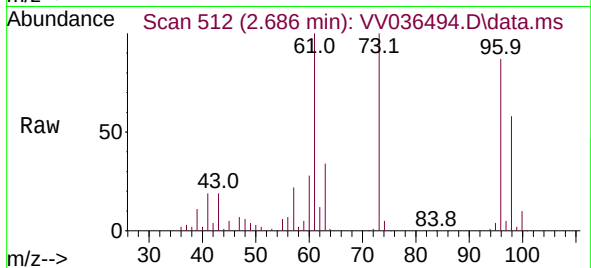
Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

ClientSampleId :



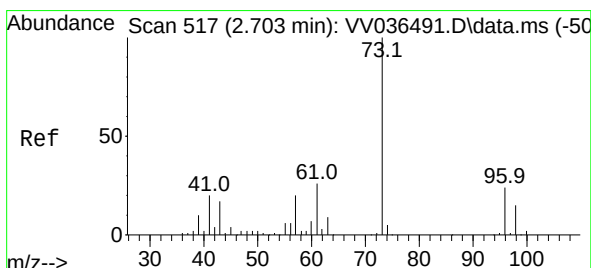
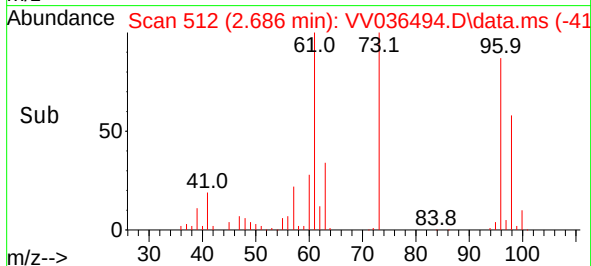
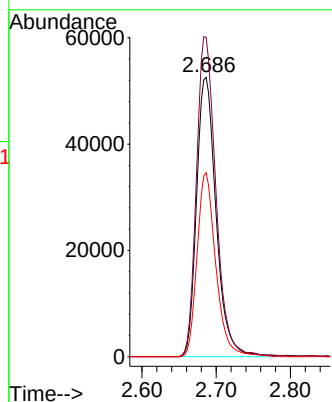
Tgt Ion: 96 Resp: 96344

Ion Ratio Lower Upper

96 100

61 114.3 80.7 149.9

98 65.9 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 24.561 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

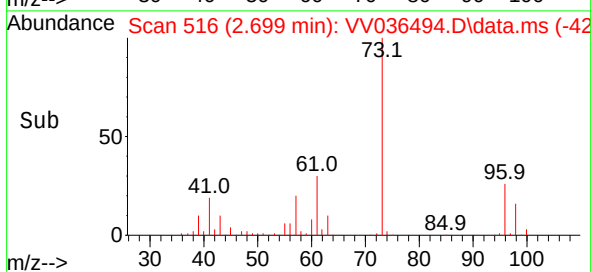
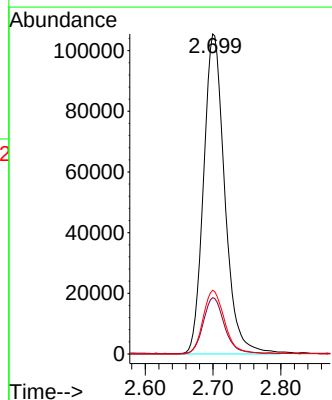
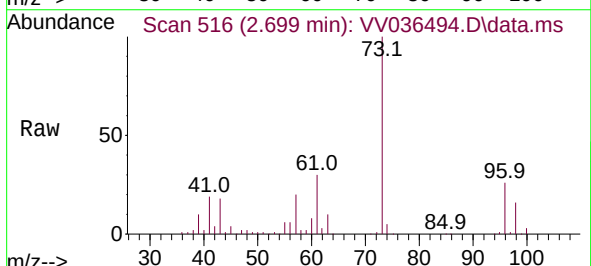
Tgt Ion: 73 Resp: 228831

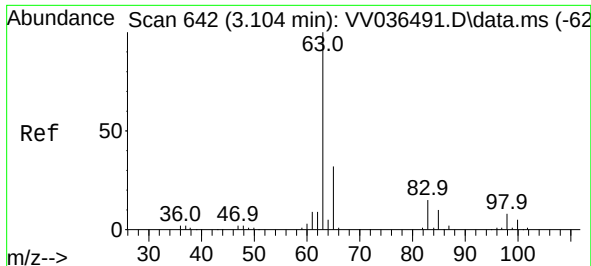
Ion Ratio Lower Upper

73 100

43 17.4 14.3 21.5

57 20.2 16.5 24.7

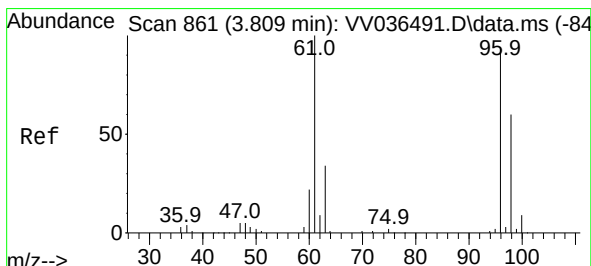
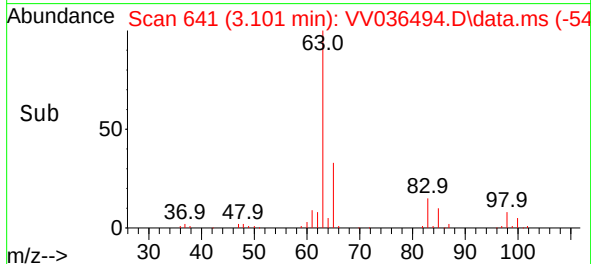
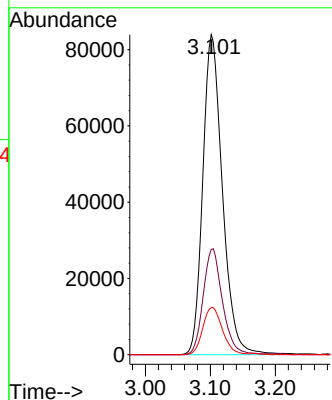
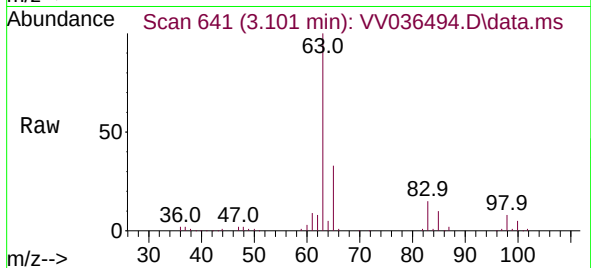




#19
1,1-Dichloroethane
Concen: 23.466 ug/L
RT: 3.101 min Scan# 641
Delta R.T. -0.003 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

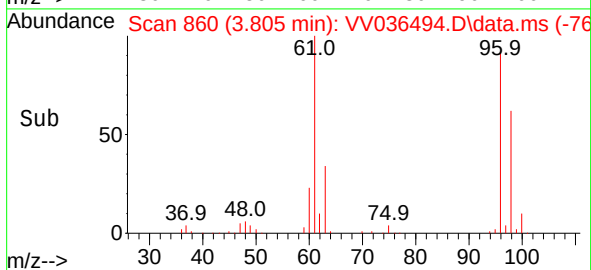
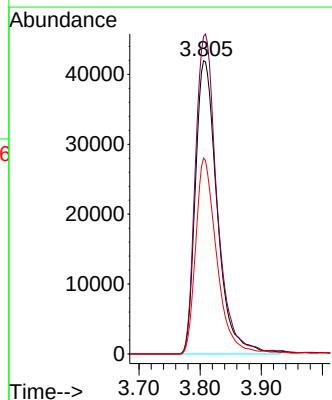
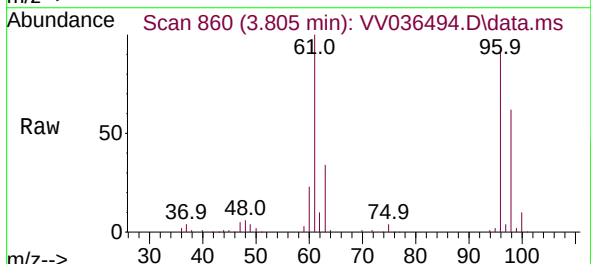
Instrument :
MSVOA_V
ClientSampleId :

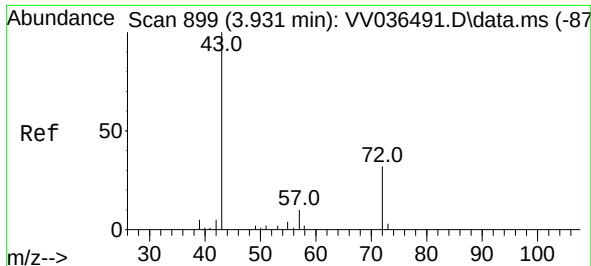
Tgt Ion: 63 Resp: 176601
Ion Ratio Lower Upper
63 100
65 32.9 22.7 42.1
83 14.7 10.9 20.2



#20
cis-1,2-Dichloroethene
Concen: 24.049 ug/L
RT: 3.805 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

Tgt Ion: 96 Resp: 103925
Ion Ratio Lower Upper
96 100
61 108.3 74.8 138.8
98 66.8 45.2 84.0





#22

2-Butanone

Concen: 36.610 ug/L

RT: 3.915 min Scan# 899

Delta R.T. -0.016 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

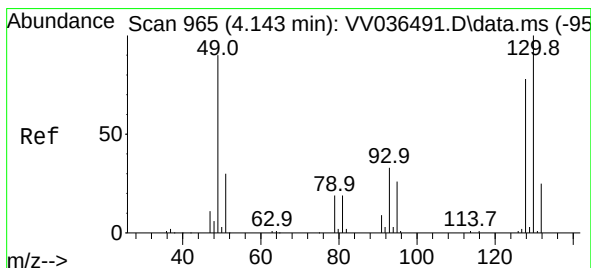
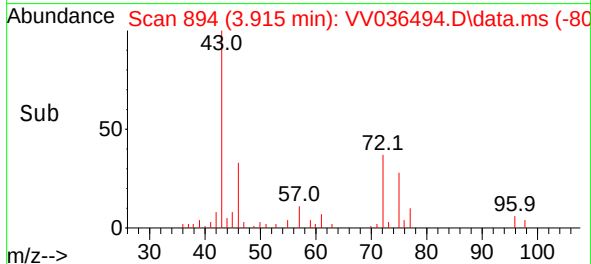
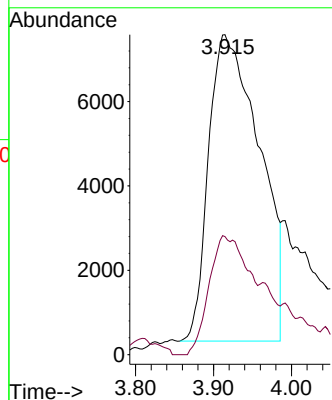
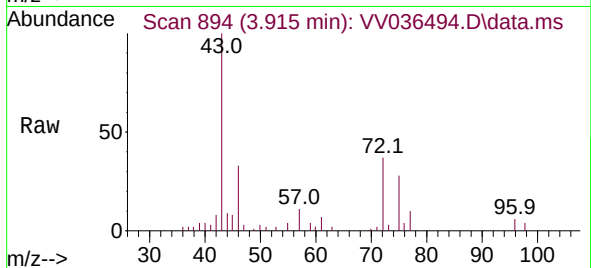
ClientSampleId :

Tgt Ion: 43 Resp: 33001

Ion Ratio Lower Upper

43 100

72 16.0 5.9 17.6



#23

Bromochloromethane

Concen: 24.079 ug/L

RT: 4.140 min Scan# 964

Delta R.T. -0.003 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Tgt Ion:128 Resp: 59099

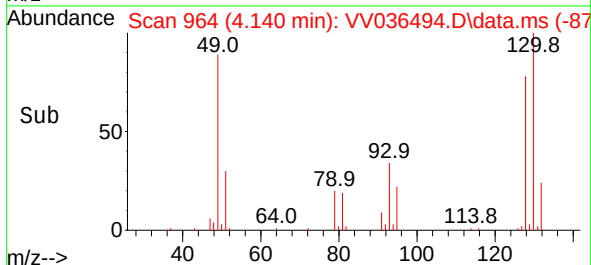
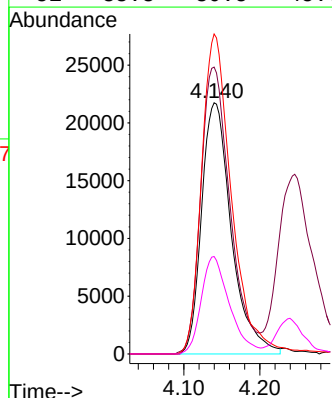
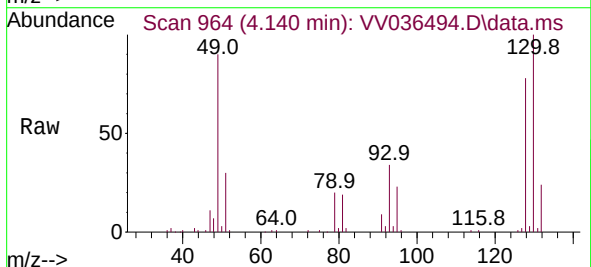
Ion Ratio Lower Upper

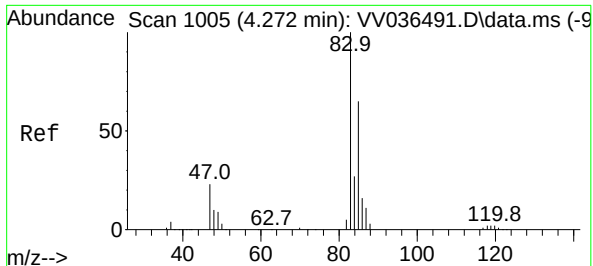
128 100

49 114.2 80.7 149.9

130 127.4 89.9 167.0

51 38.8 30.5 45.7





#25

Chloroform

Concen: 23.687 ug/L

RT: 4.265 min Scan# 1

Delta R.T. -0.006 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

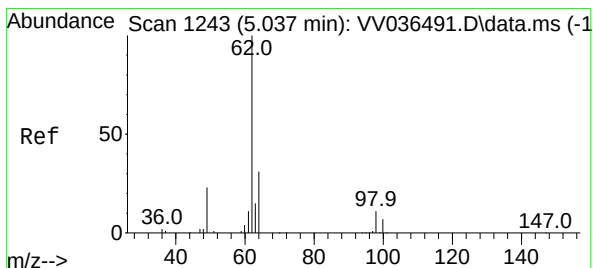
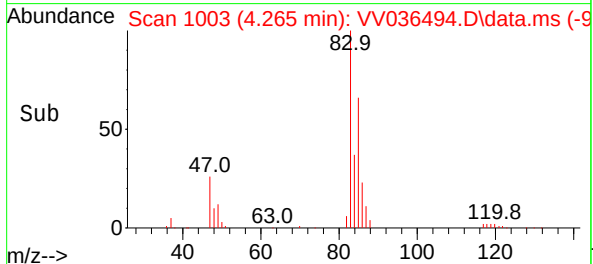
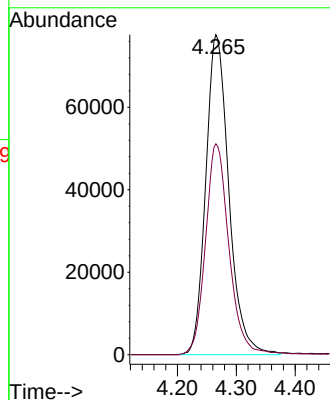
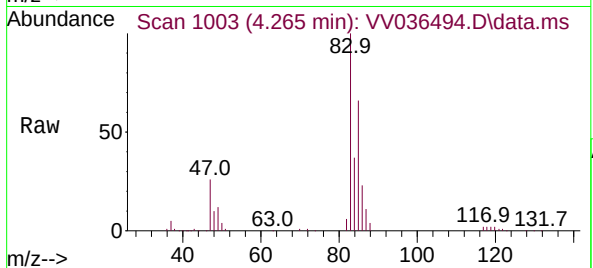
ClientSampleId :

Tgt Ion: 83 Resp: 211668

Ion Ratio Lower Upper

83 100

85 65.9 45.6 84.6



#27

1,2-Dichloroethane

Concen: 24.863 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV036494.D

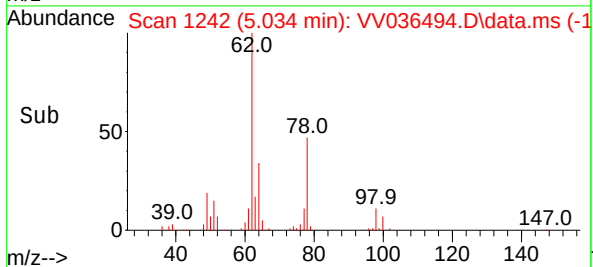
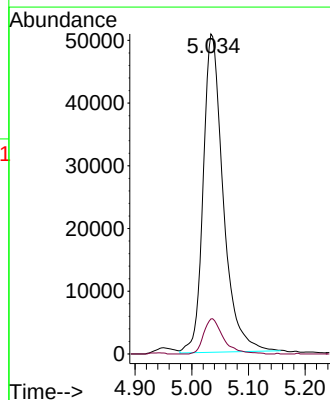
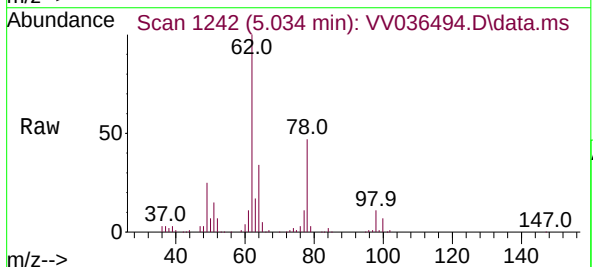
Acq: 11 Jul 2024 13:45

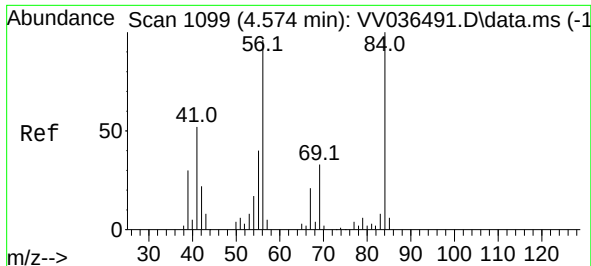
Tgt Ion: 62 Resp: 124803

Ion Ratio Lower Upper

62 100

98 11.0 8.9 13.3





#29

Cyclohexane

Concen: 24.281 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. -0.000 min

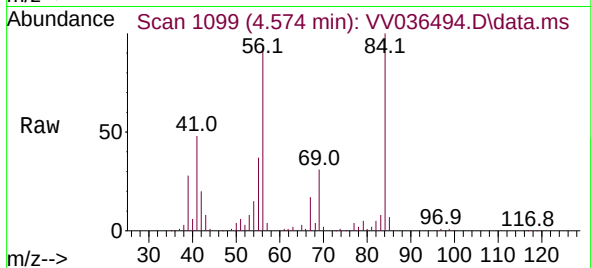
Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

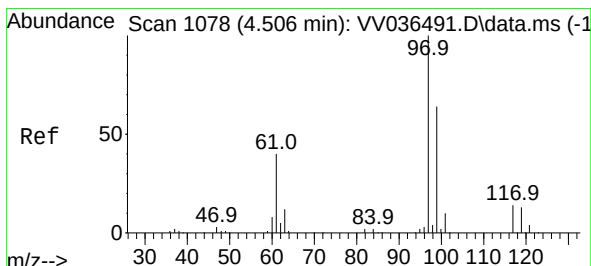
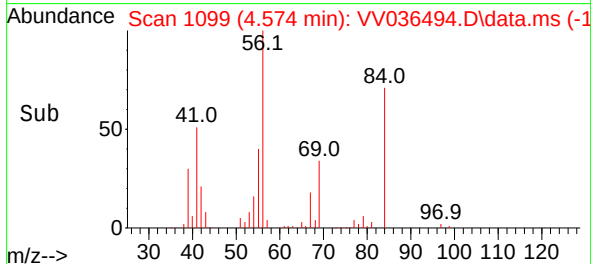
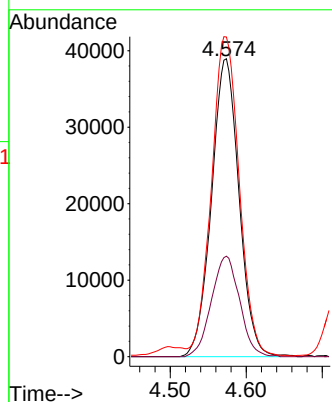
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	56	Resp:	97794
Ion Ratio	Lower	Upper	
56	100		
69	34.6	27.6	41.4
84	108.3	85.4	128.2



#30

1,1,1-Trichloroethane

Concen: 24.429 ug/L

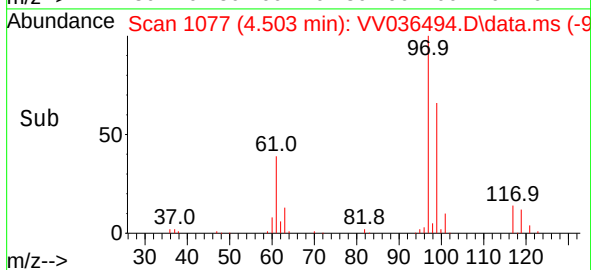
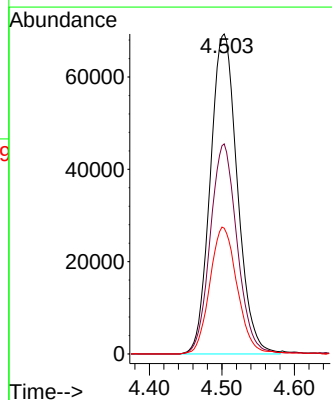
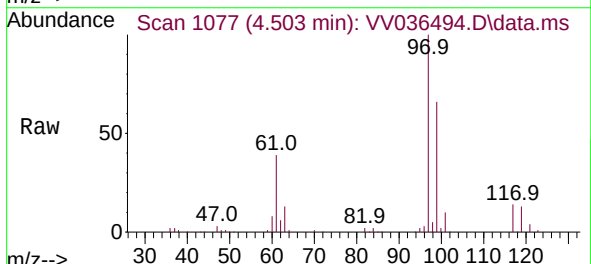
RT: 4.503 min Scan# 1077

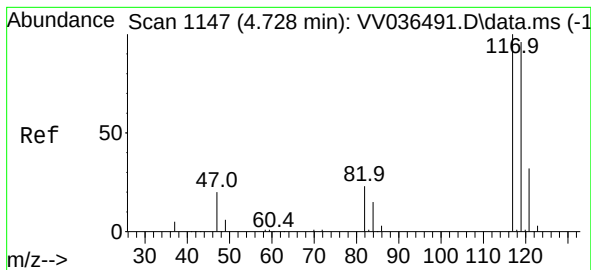
Delta R.T. -0.003 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Tgt Ion:	97	Resp:	179797
Ion Ratio	Lower	Upper	
97	100		
99	65.3	51.9	77.9
61	40.3	32.2	48.4





#31

Carbon tetrachloride

Concen: 24.422 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. -0.003 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

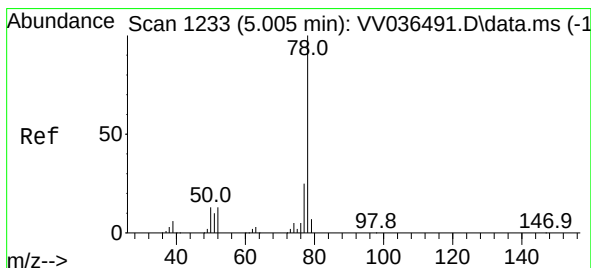
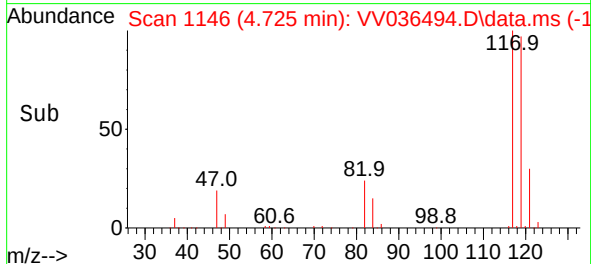
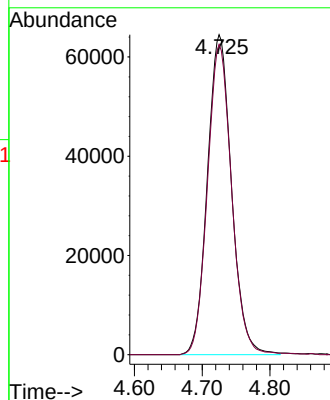
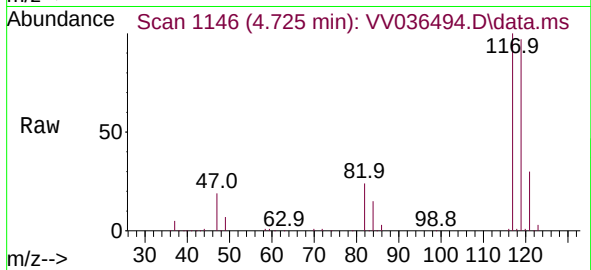
ClientSampleId :

Tgt Ion:117 Resp: 159411

Ion Ratio Lower Upper

117 100

119 96.7 77.6 116.4



#33

Benzene

Concen: 24.762 ug/L

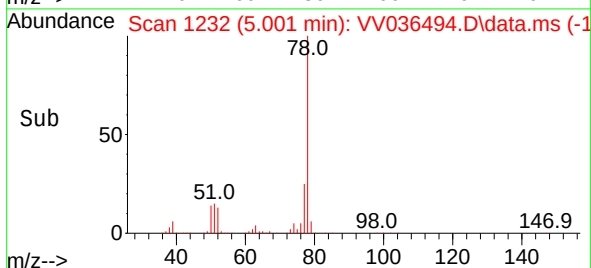
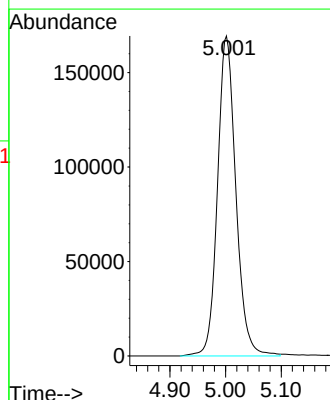
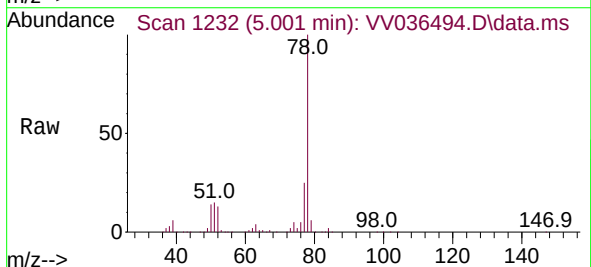
RT: 5.001 min Scan# 1232

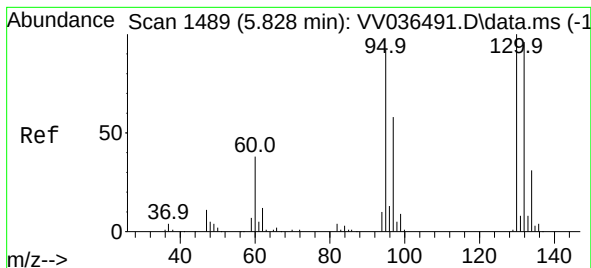
Delta R.T. -0.003 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Tgt Ion: 78 Resp: 387974





#34

Trichloroethene

Concen: 24.699 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 123144

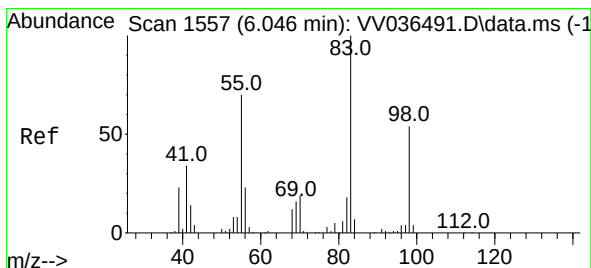
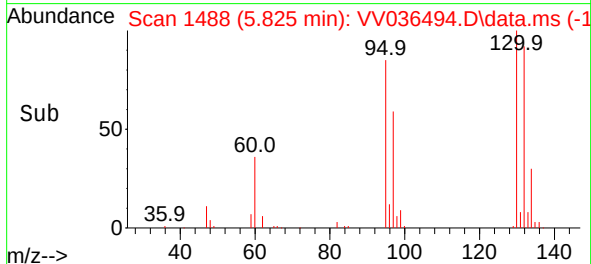
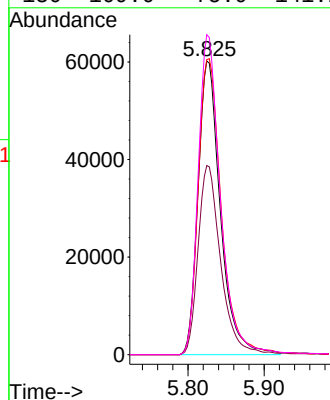
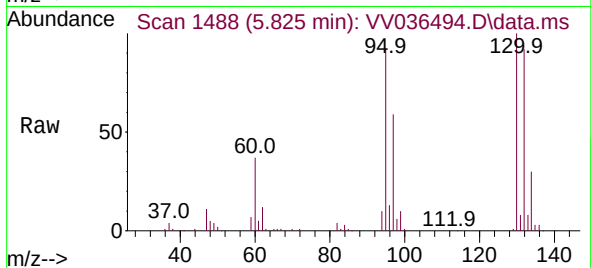
Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.4

132 100.5 73.0 135.6

130 109.0 75.9 141.1



#35

Methylcyclohexane

Concen: 24.887 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.003 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

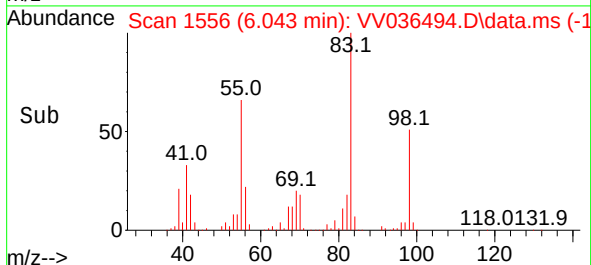
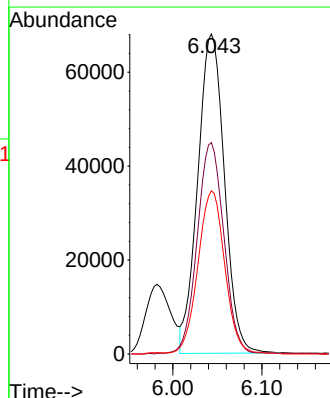
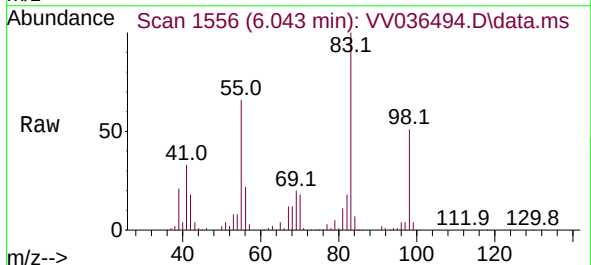
Tgt Ion: 83 Resp: 141611

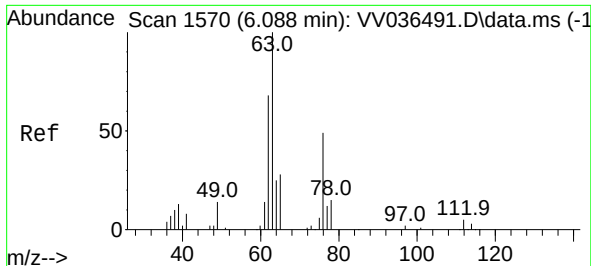
Ion Ratio Lower Upper

83 100

55 65.7 54.3 81.5

98 50.7 41.7 62.5

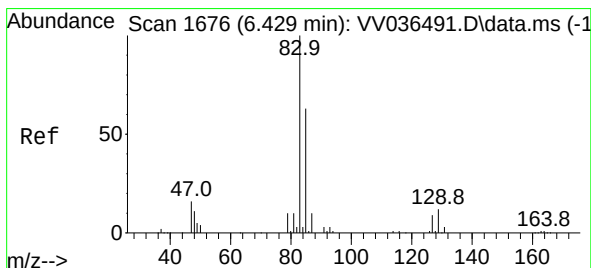
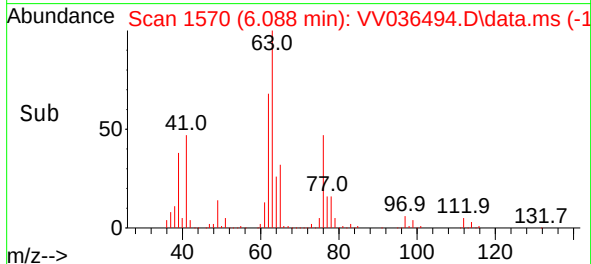
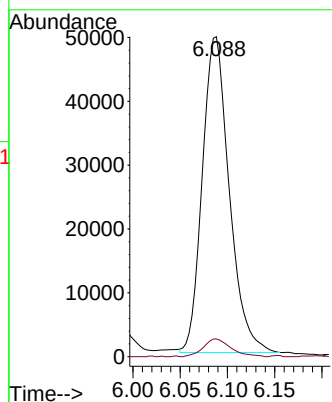
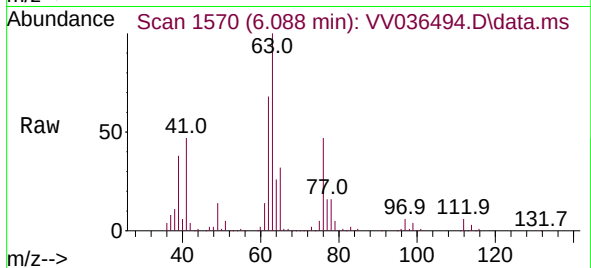




#37
1,2-Dichloropropane
Concen: 24.852 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

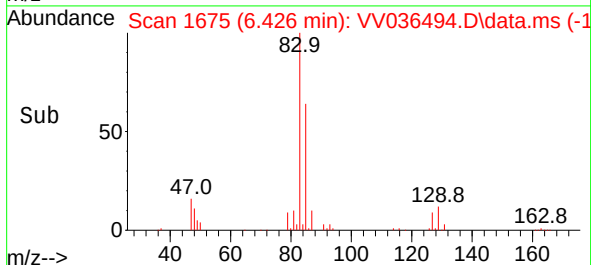
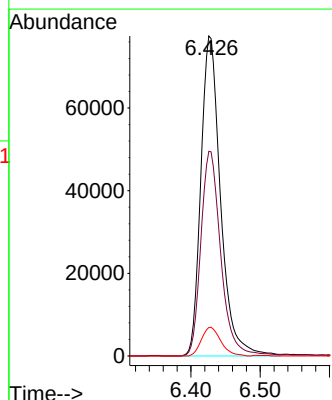
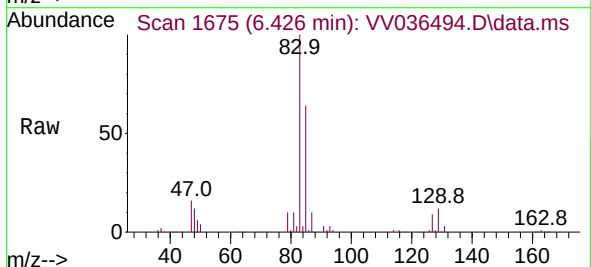
Instrument :
MSVOA_V
ClientSampleId :

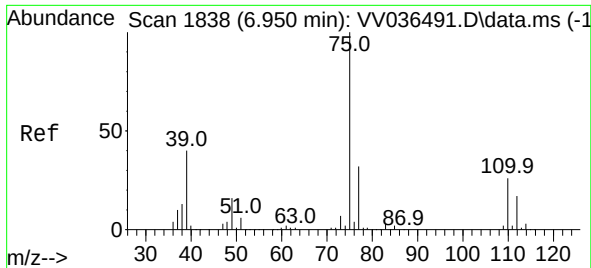
Tgt Ion: 63 Resp: 98269
Ion Ratio Lower Upper
63 100
112 5.7 4.5 6.7



#38
Bromodichloromethane
Concen: 24.438 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.003 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

Tgt Ion: 83 Resp: 153111
Ion Ratio Lower Upper
83 100
85 63.9 44.3 82.3
127 8.9 7.0 10.4

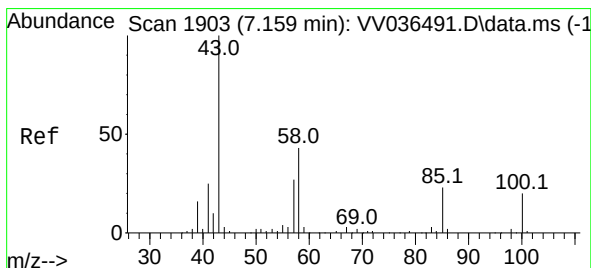
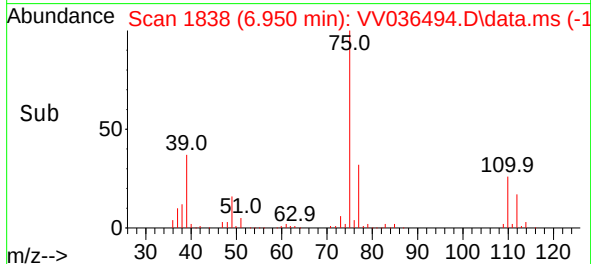
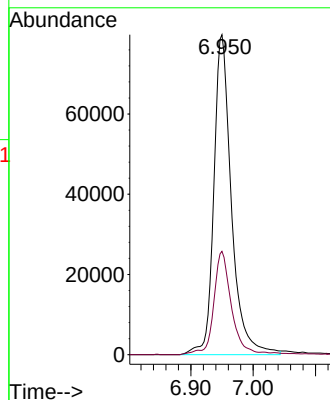
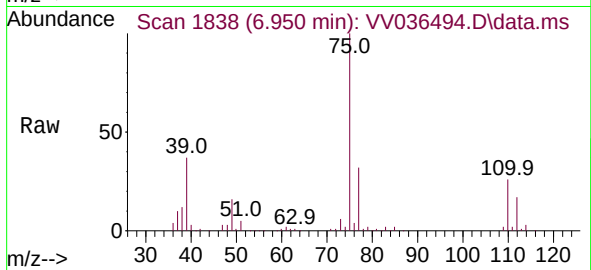




#39
cis-1,3-Dichloropropene
Concen: 25.671 ug/L
RT: 6.950 min Scan# 1838
Delta R.T. 0.000 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

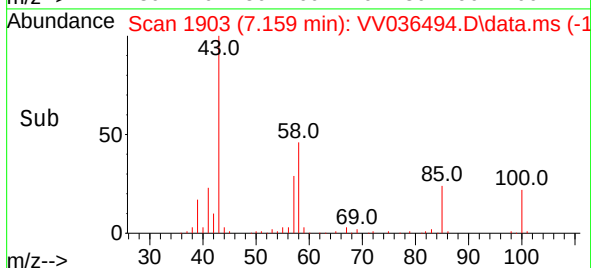
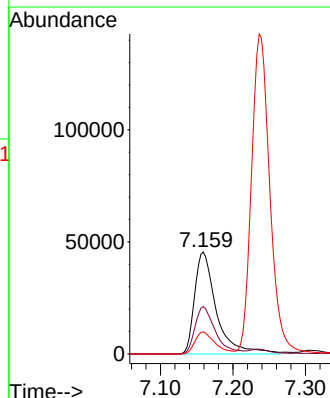
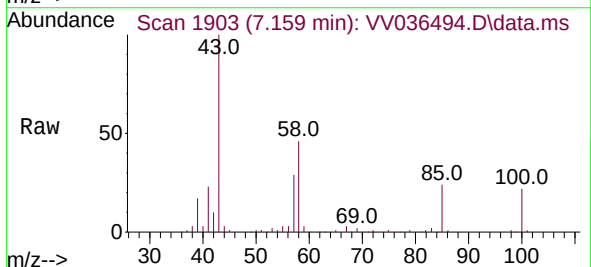
Instrument :
MSVOA_V
ClientSampleId :

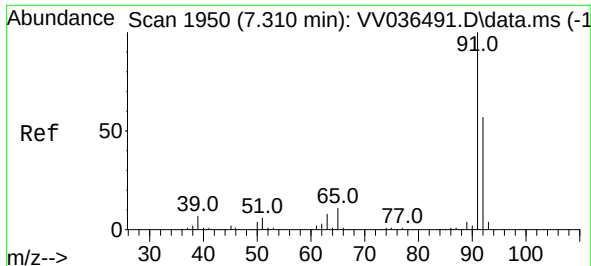
Tgt Ion: 75 Resp: 156531
Ion Ratio Lower Upper
75 100
77 32.3 22.2 41.2



#40
4-Methyl-2-pentanone
Concen: 52.820 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

Tgt Ion: 43 Resp: 94914
Ion Ratio Lower Upper
43 100
58 43.6 32.9 49.3
100 20.0 15.5 23.3





#42

Toluene

Concen: 26.478 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

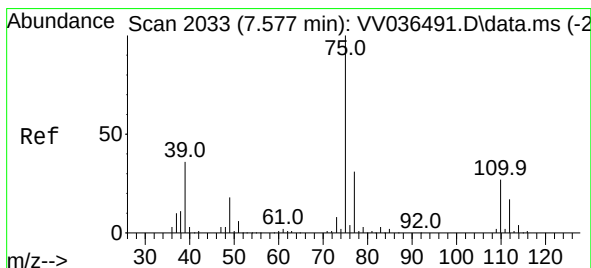
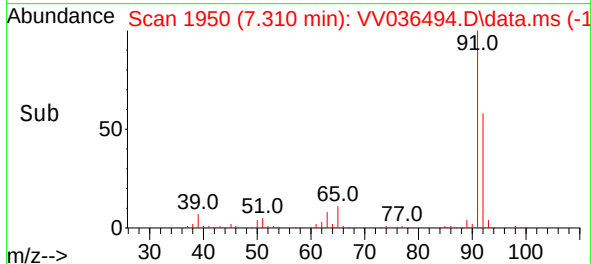
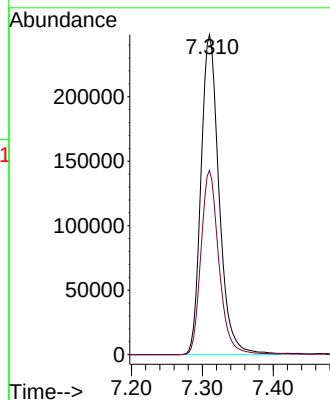
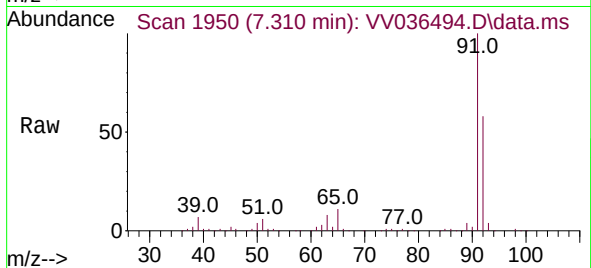
ClientSampleId :

Tgt Ion: 91 Resp: 439584

Ion Ratio Lower Upper

91 100

92 57.6 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 25.801 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV036494.D

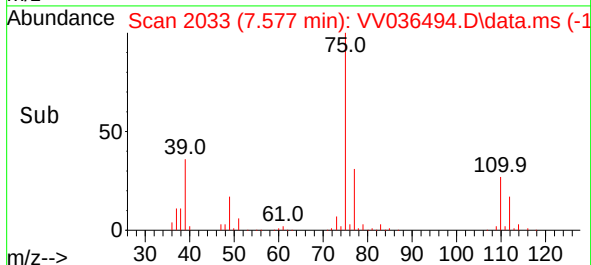
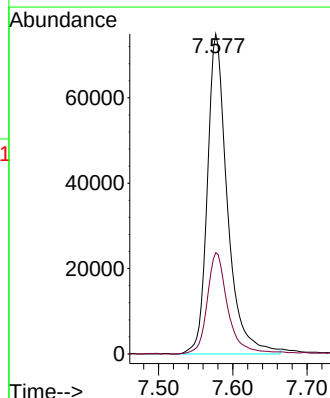
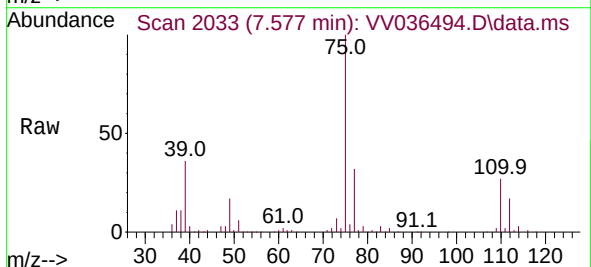
Acq: 11 Jul 2024 13:45

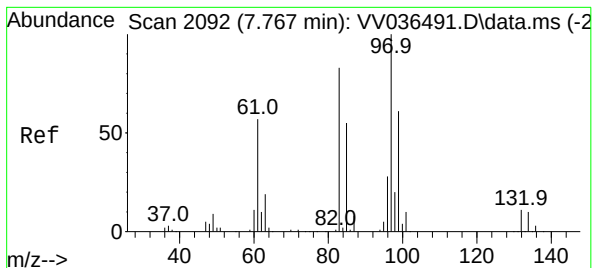
Tgt Ion: 75 Resp: 140271

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 24.707 ug/L

RT: 7.763 min Scan# 2092

Delta R.T. -0.003 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 96271

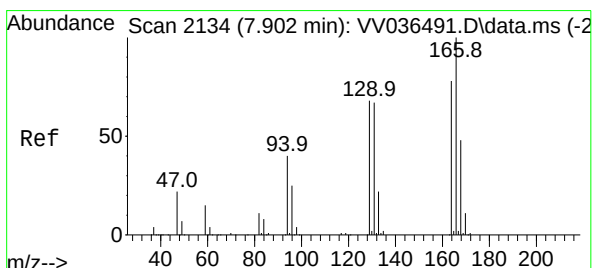
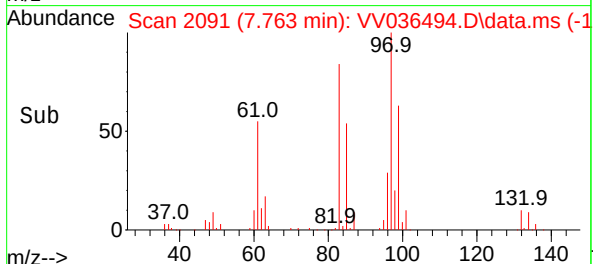
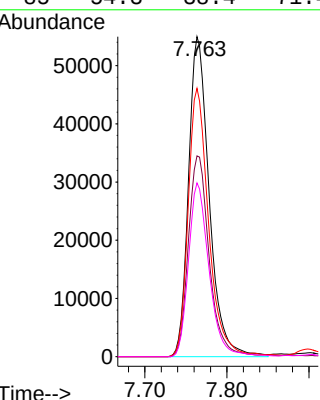
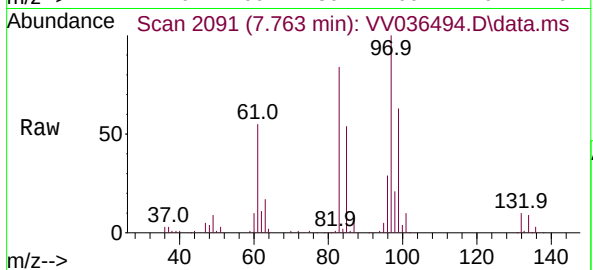
Ion Ratio Lower Upper

97 100

99 62.8 42.6 79.2

83 83.8 58.0 107.6

85 54.3 38.4 71.4



#46

Tetrachloroethene

Concen: 24.212 ug/L

RT: 7.898 min Scan# 2133

Delta R.T. -0.003 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Tgt Ion:164 Resp: 97608

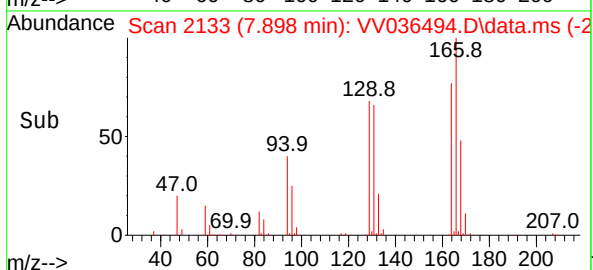
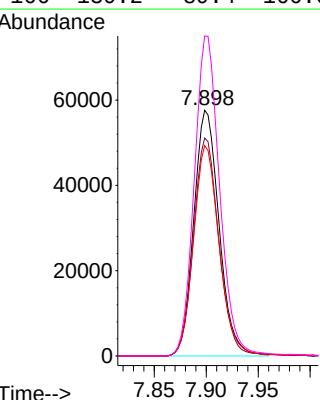
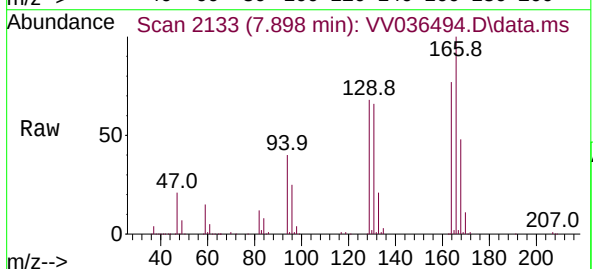
Ion Ratio Lower Upper

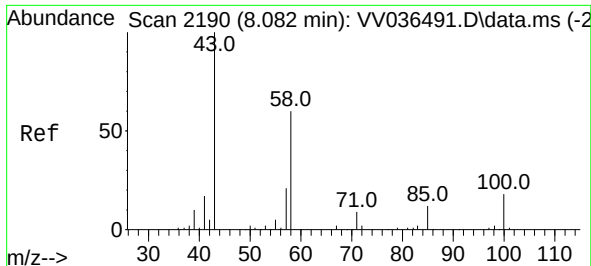
164 100

129 88.6 61.0 113.4

131 85.6 59.8 111.1

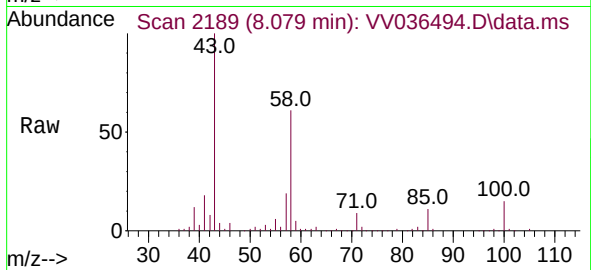
166 130.2 89.4 166.0



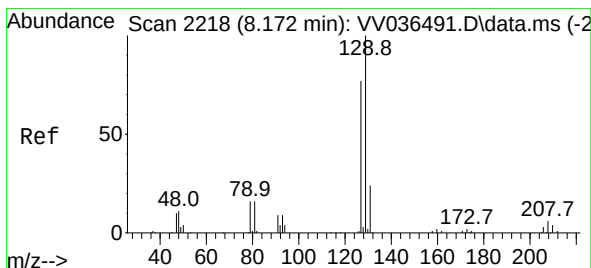
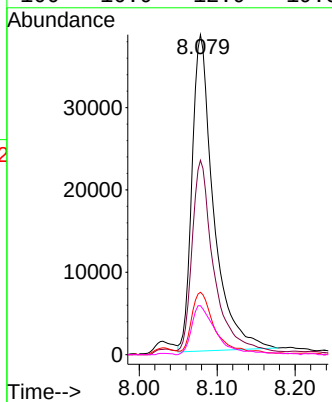
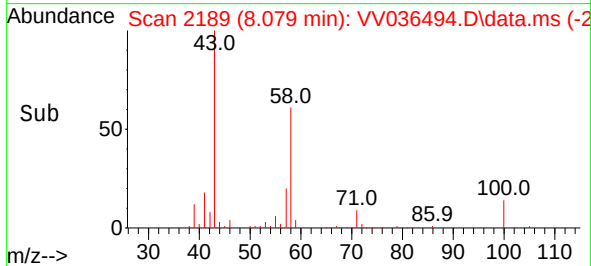


#48
2-Hexanone
Concen: 55.438 ug/L
RT: 8.079 min Scan# 2190
Delta R.T. -0.003 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

Instrument :
MSVOA_V
ClientSampleId :

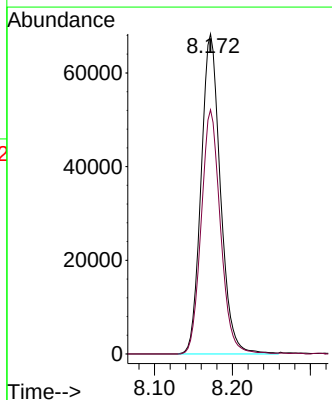
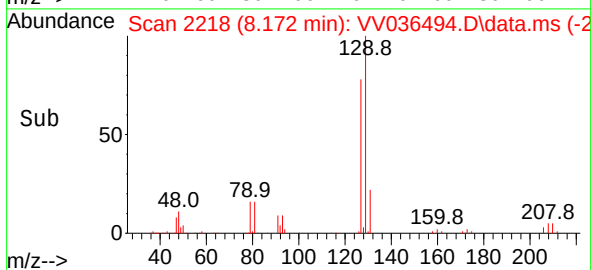
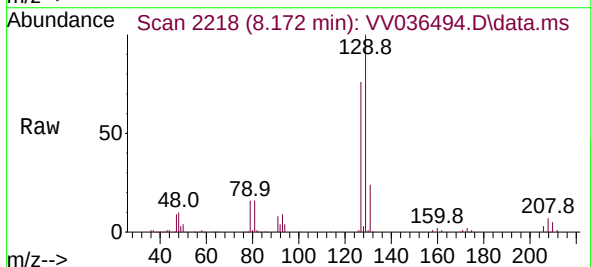


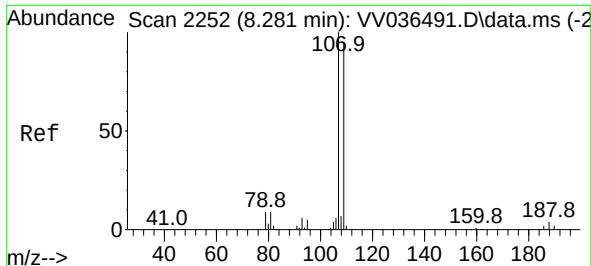
Tgt Ion: 43	Resp: 73896
Ion Ratio	Lower Upper
43 100	
58 62.0	49.5 74.3
57 18.3	15.3 22.9
100 16.9	12.9 19.3



#49
Dibromochloromethane
Concen: 25.013 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

Tgt Ion:129	Resp: 117853		
Ion Ratio	Lower	Upper	
129 100			
127 76.3	53.7	99.7	





#50

1,2-Dibromoethane

Concen: 25.429 ug/L

RT: 8.278 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

ClientSampleId :

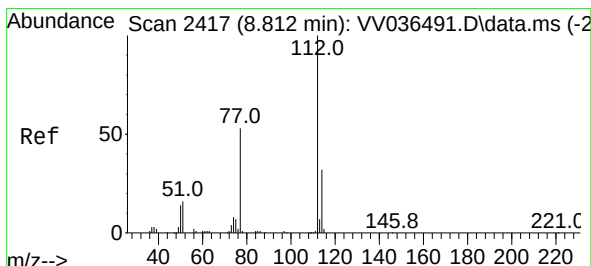
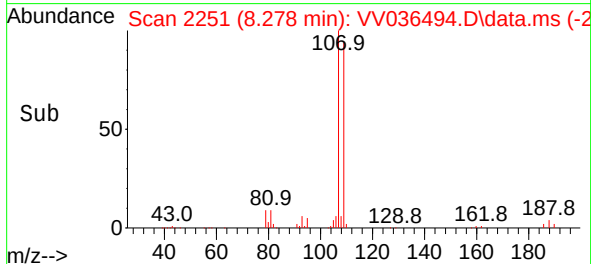
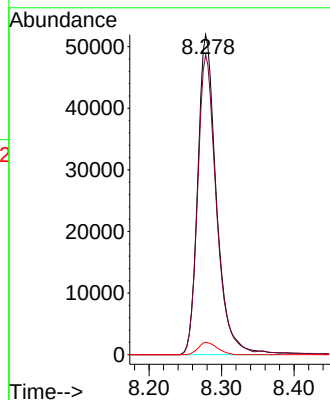
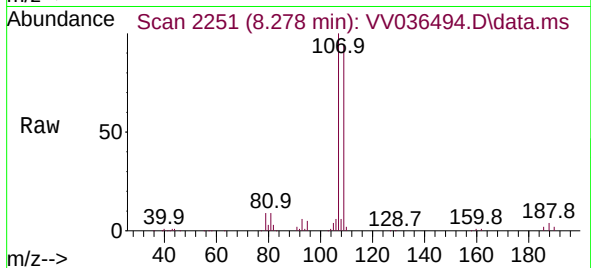
Tgt Ion:107 Resp: 92988

Ion Ratio Lower Upper

107 100

109 93.7 66.2 123.0

188 3.9 3.4 5.0



#51

Chlorobenzene

Concen: 24.930 ug/L

RT: 8.808 min Scan# 2416

Delta R.T. -0.003 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

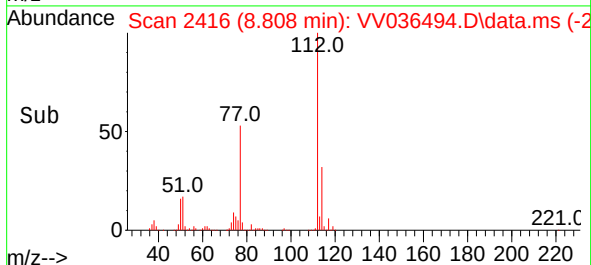
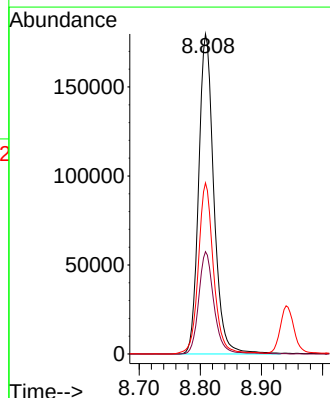
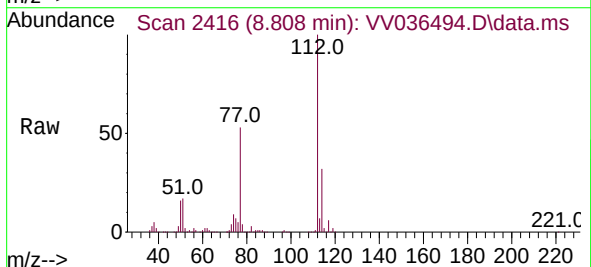
Tgt Ion:112 Resp: 309967

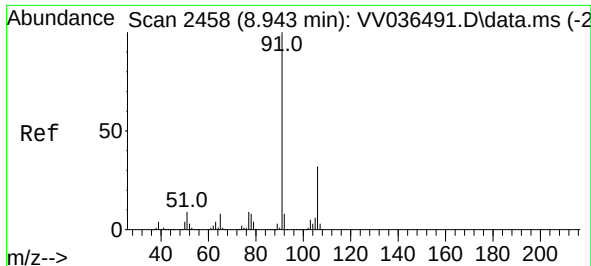
Ion Ratio Lower Upper

112 100

114 31.9 22.5 41.9

77 53.5 43.0 64.6





#52

Ethylbenzene

Concen: 26.216 ug/L

RT: 8.940 min Scan# 2458

Delta R.T. -0.003 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

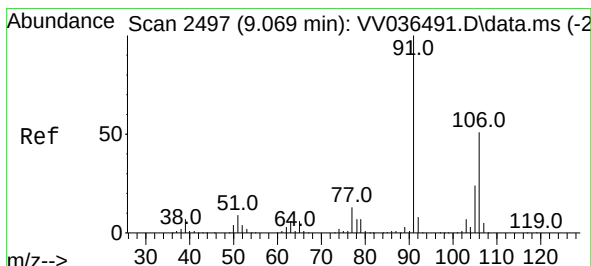
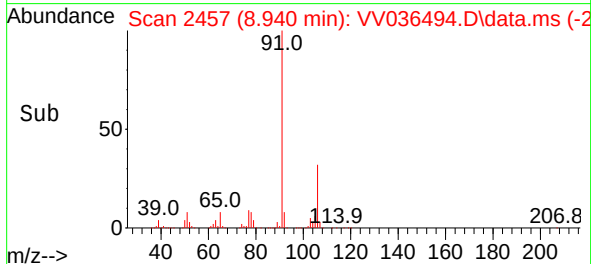
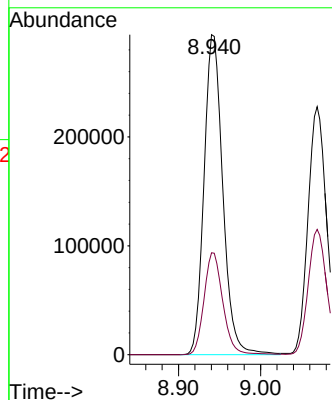
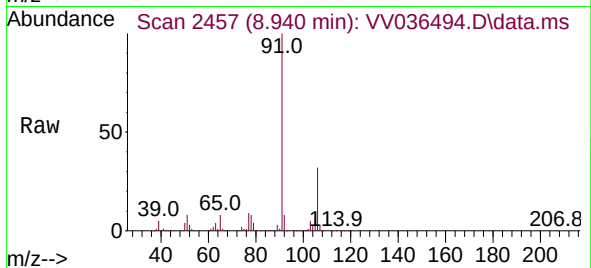
ClientSampleId :

Tgt Ion: 91 Resp: 466872

Ion Ratio Lower Upper

91 100

106 31.9 22.6 42.0



#53

m,p-Xylene

Concen: 27.108 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV036494.D

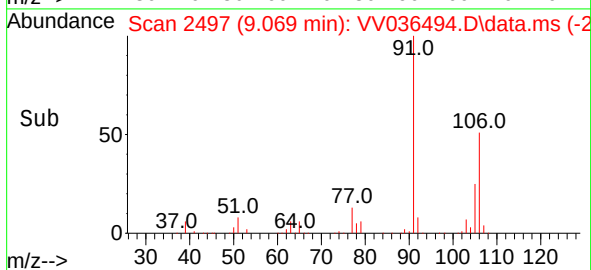
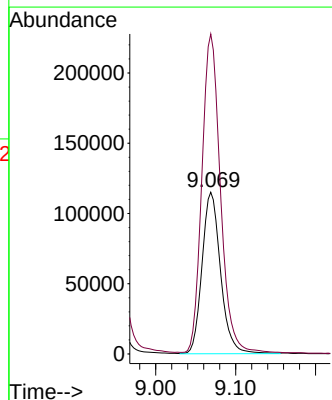
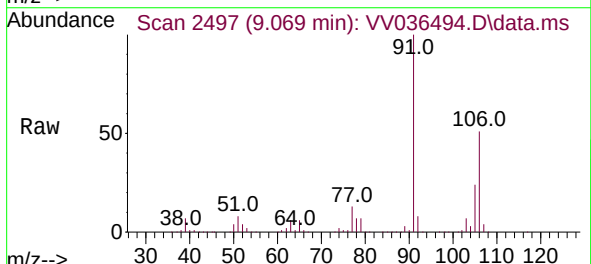
Acq: 11 Jul 2024 13:45

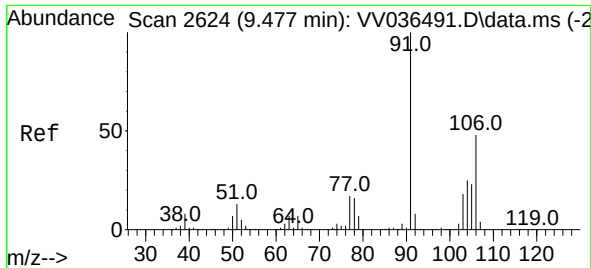
Tgt Ion:106 Resp: 185870

Ion Ratio Lower Upper

106 100

91 197.8 137.1 254.7

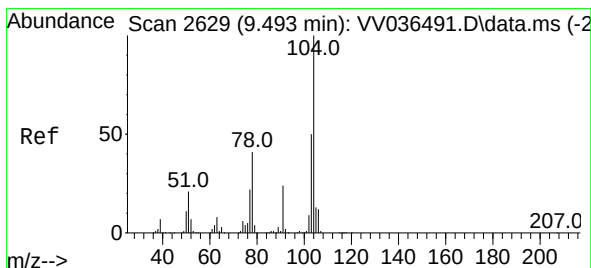
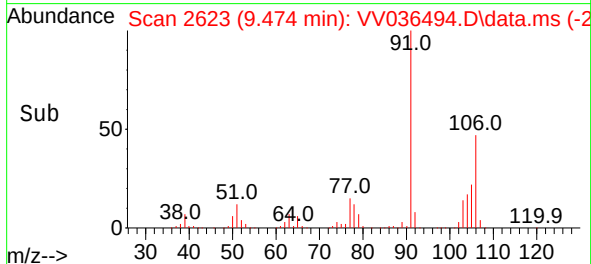
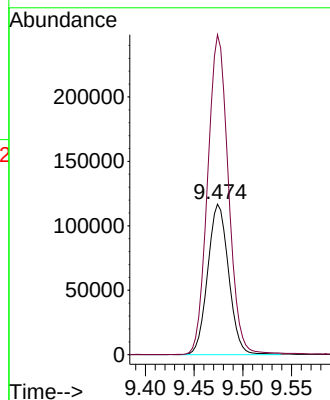
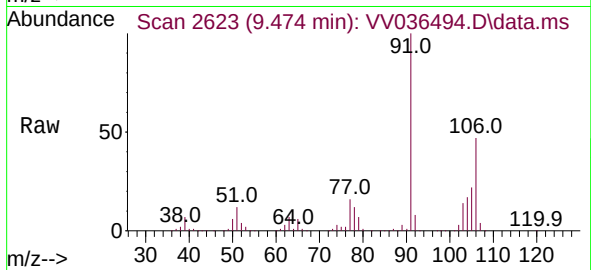




#54
o-Xylene
Concen: 26.792 ug/L
RT: 9.474 min Scan# 2624
Delta R.T. -0.003 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

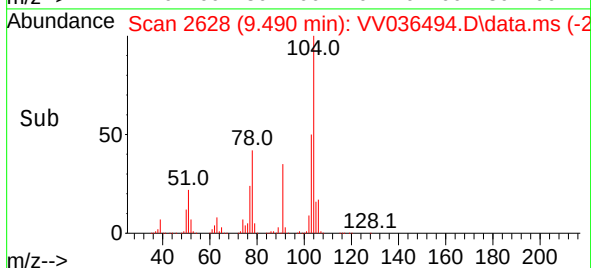
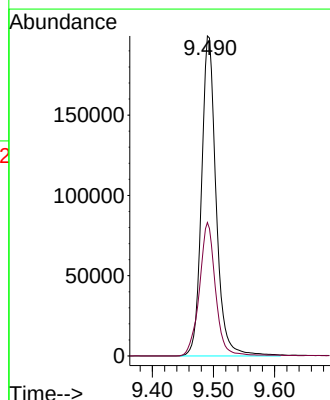
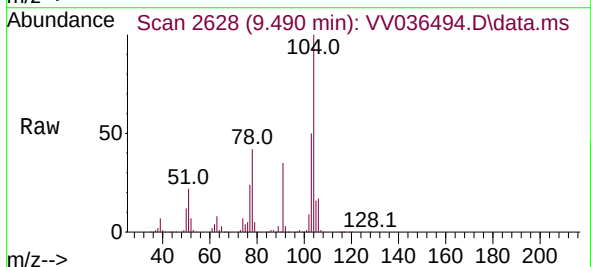
Instrument :
MSVOA_V
ClientSampleId :

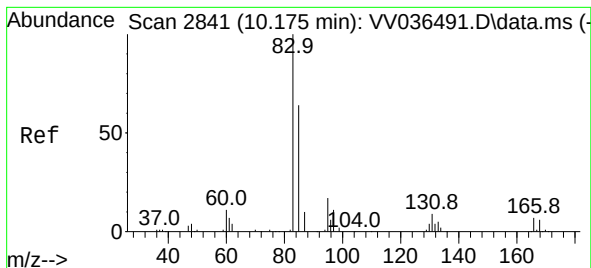
Tgt Ion:106 Resp: 174897
Ion Ratio Lower Upper
106 100
91 212.5 147.3 273.6



#55
Styrene
Concen: 28.330 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. -0.003 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

Tgt Ion:104 Resp: 330894
Ion Ratio Lower Upper
104 100
78 41.7 28.8 53.6





#57

1,1,2,2-Tetrachloroethane

Concen: 23.395 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

ClientSampleId :

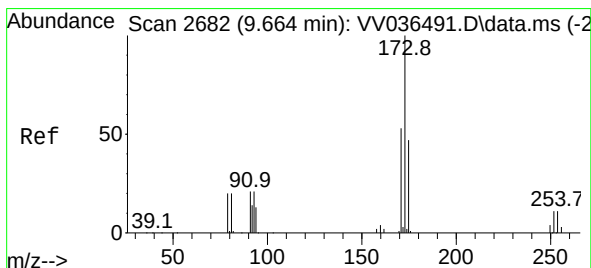
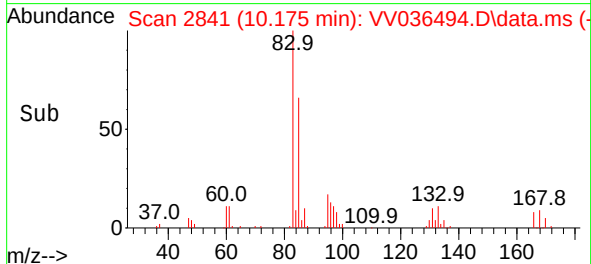
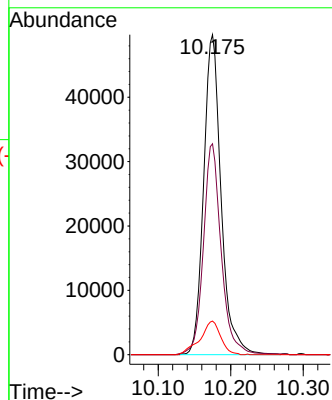
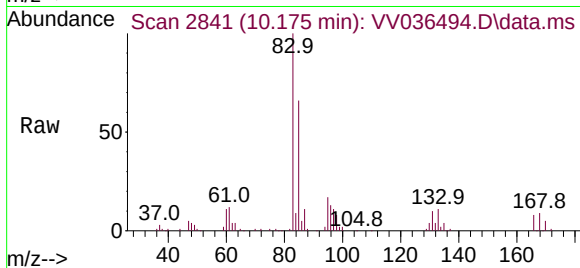
Tgt Ion: 83 Resp: 83238

Ion Ratio Lower Upper

83 100

85 65.9 45.0 83.6

131 10.5 8.1 12.1



#59

Bromoform

Concen: 24.350 ug/L

RT: 9.660 min Scan# 2681

Delta R.T. -0.003 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

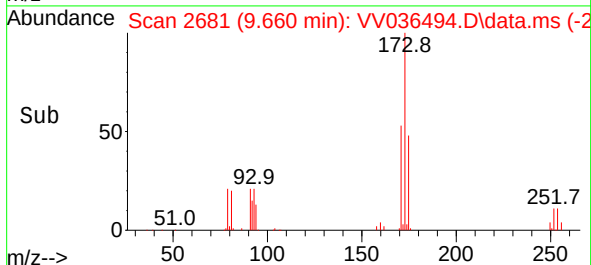
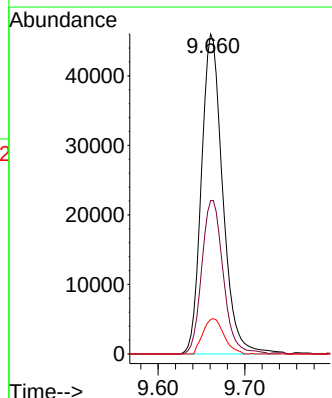
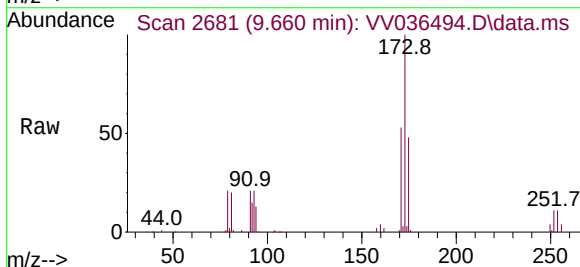
Tgt Ion: 173 Resp: 78530

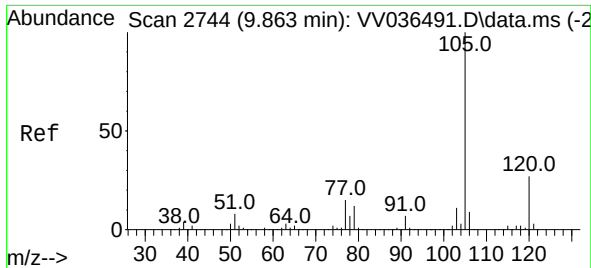
Ion Ratio Lower Upper

173 100

175 48.4 37.6 56.4

254 10.9 8.2 12.4

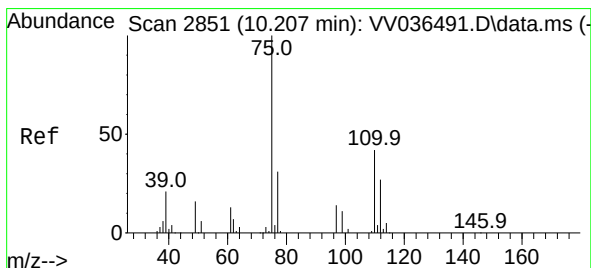
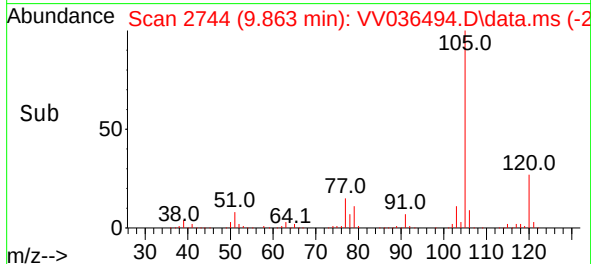
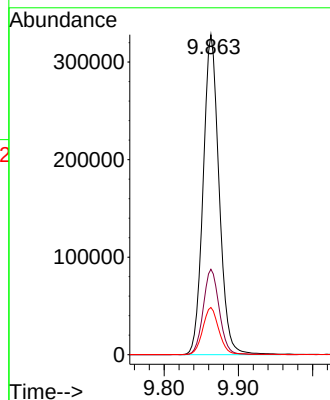
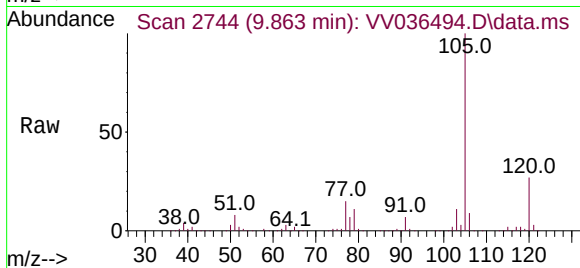




#60
Isopropylbenzene
Concen: 26.869 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

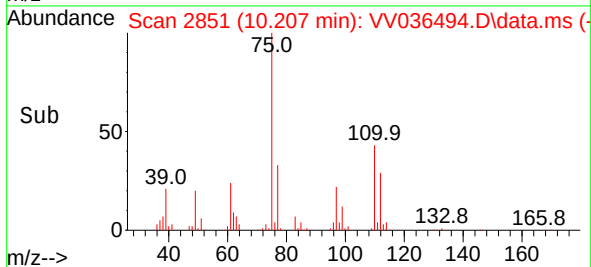
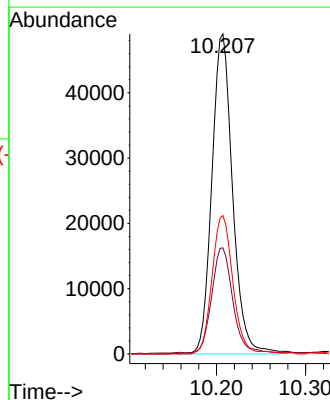
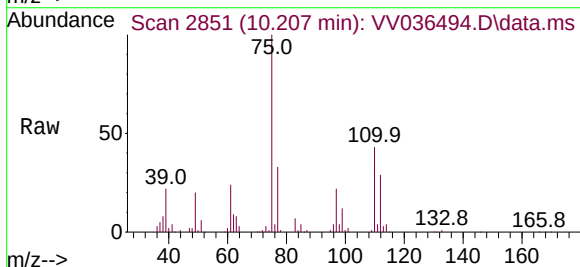
Instrument :
MSVOA_V
ClientSampleId :

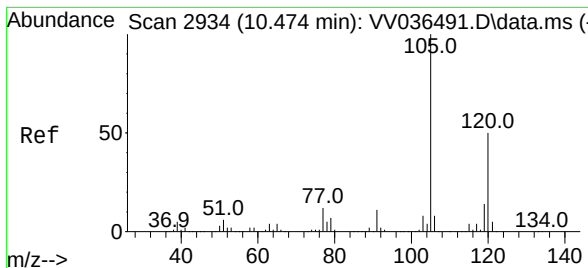
Tgt Ion:105 Resp: 488466
Ion Ratio Lower Upper
105 100
120 26.8 21.8 32.6
77 14.9 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 24.417 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV036494.D
Acq: 11 Jul 2024 13:45

Tgt Ion: 75 Resp: 79052
Ion Ratio Lower Upper
75 100
77 33.2 25.6 38.4
110 43.3 34.8 52.2





#62

1,3,5-Trimethylbenzene

Concen: 26.616 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

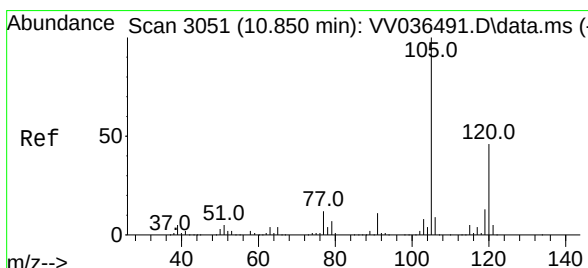
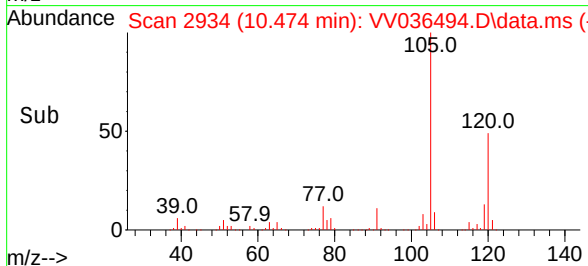
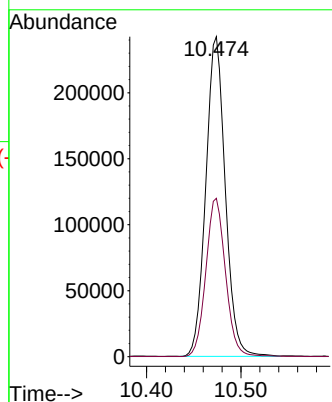
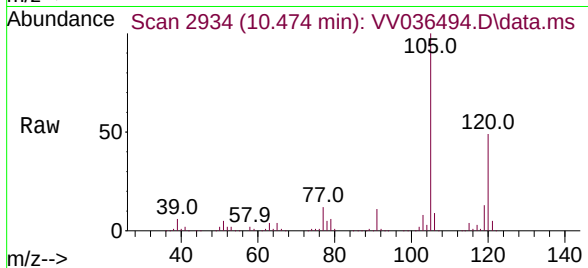
ClientSampleId :

Tgt Ion:105 Resp: 346503

Ion Ratio Lower Upper

105 100

120 49.9 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 27.462 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VV036494.D

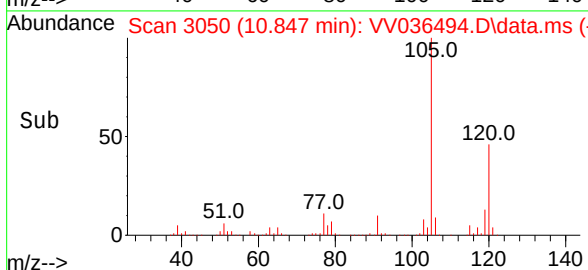
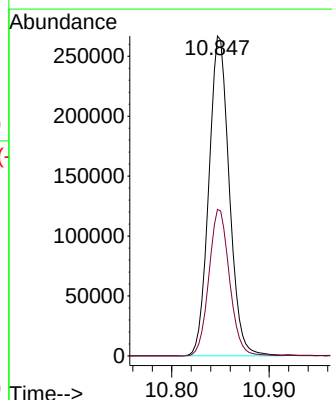
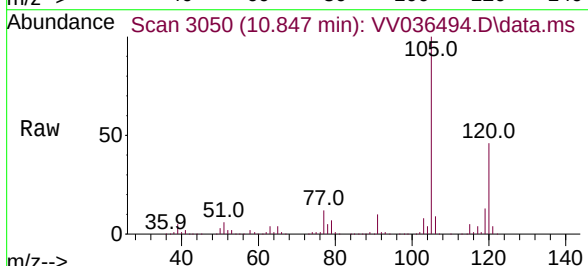
Acq: 11 Jul 2024 13:45

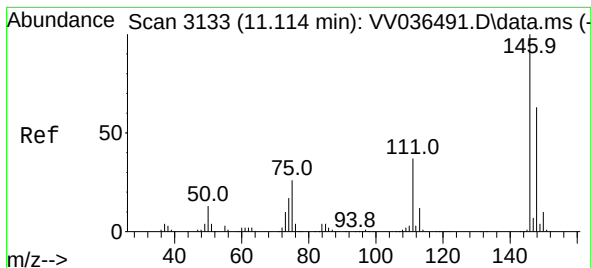
Tgt Ion:105 Resp: 389032

Ion Ratio Lower Upper

105 100

120 46.3 37.0 55.4





#64

1,3-Dichlorobenzene

Concen: 25.819 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

ClientSampleId :

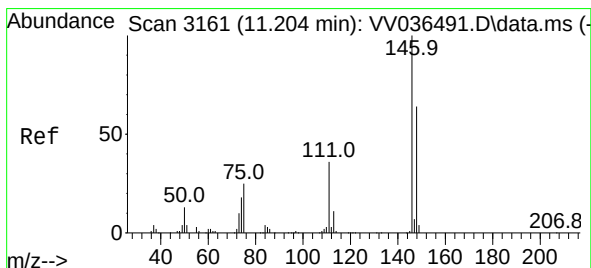
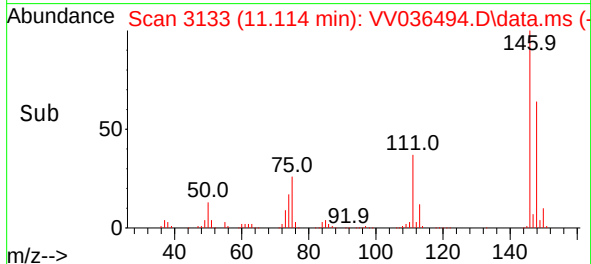
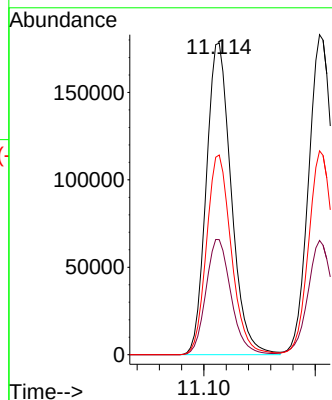
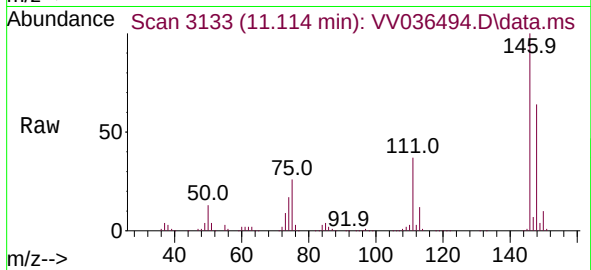
Tgt Ion:146 Resp: 277473

Ion Ratio Lower Upper

146 100

111 36.9 25.8 47.8

148 64.1 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 25.227 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

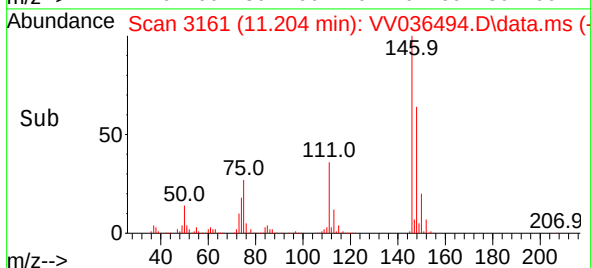
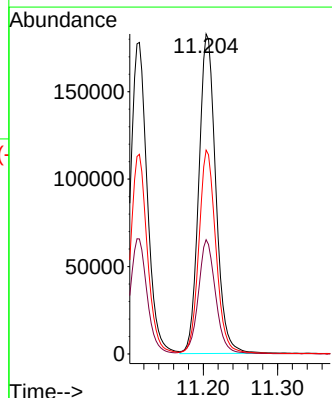
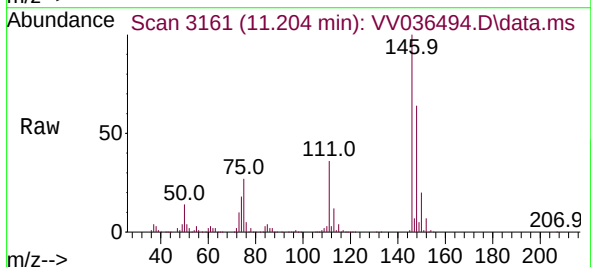
Tgt Ion:146 Resp: 291123

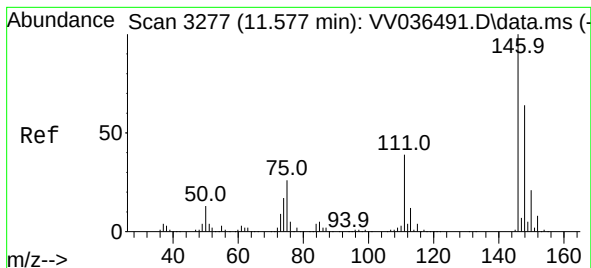
Ion Ratio Lower Upper

146 100

111 35.7 25.2 46.8

148 63.7 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 25.487 ug/L

RT: 11.574 min Scan# 31

Delta R.T. -0.003 min MSVOA_V

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

ClientSampleId :

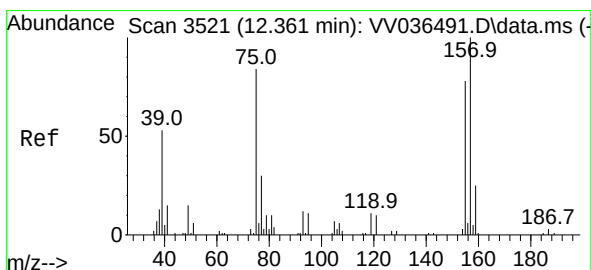
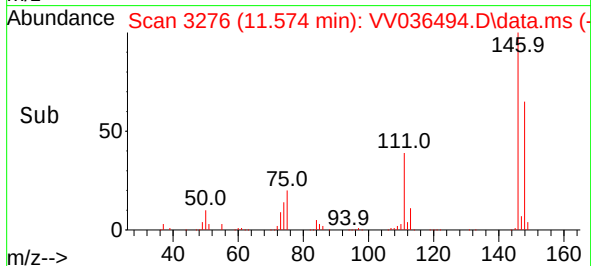
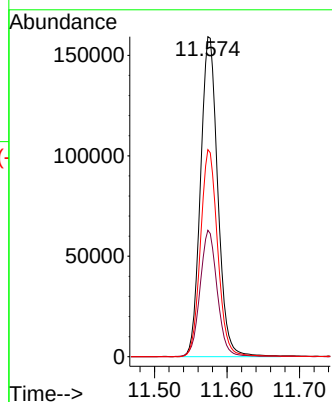
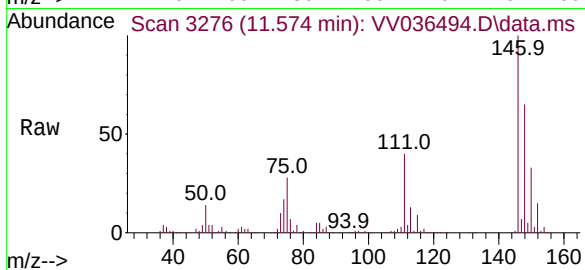
Tgt Ion:146 Resp: 263215

Ion Ratio Lower Upper

146 100

111 39.5 30.8 46.2

148 64.7 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 26.127 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

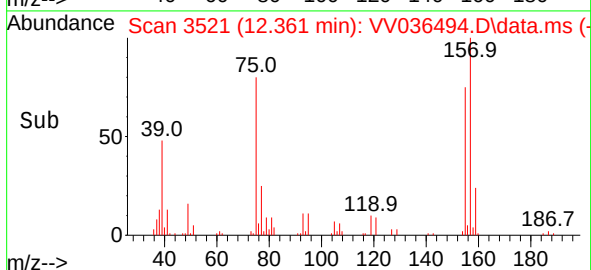
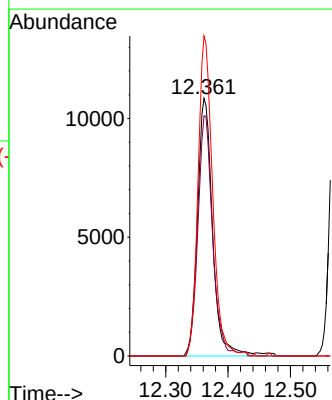
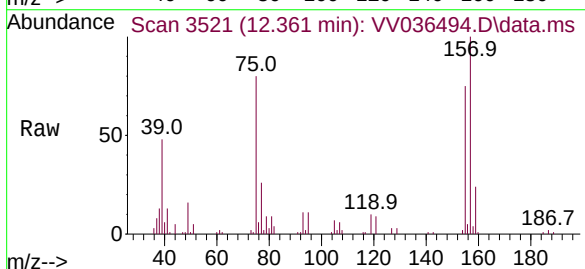
Tgt Ion: 75 Resp: 18302

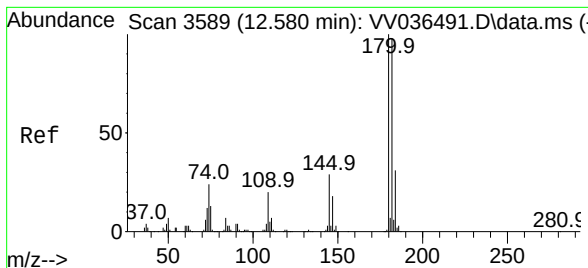
Ion Ratio Lower Upper

75 100

155 93.3 74.6 111.8

157 124.2 95.0 142.4





#69

1,3,5-Trichlorobenzene

Concen: 25.992 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

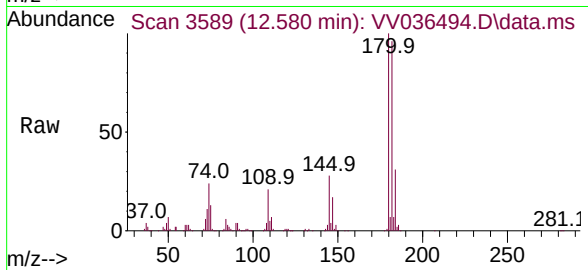
Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 216291

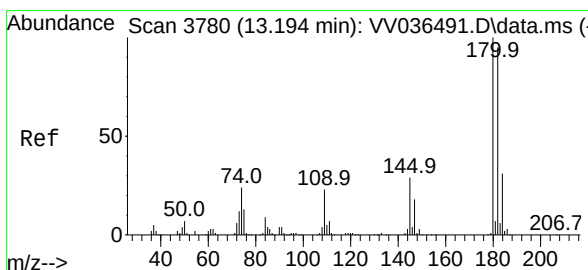
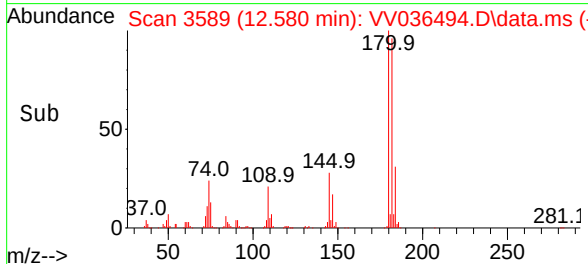
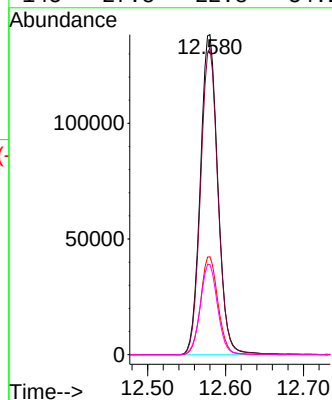
Ion Ratio Lower Upper

180 100

182 95.1 77.4 116.0

184 30.2 24.4 36.6

145 27.8 22.8 34.2



#70

1,2,4-trichlorobenzene

Concen: 26.760 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

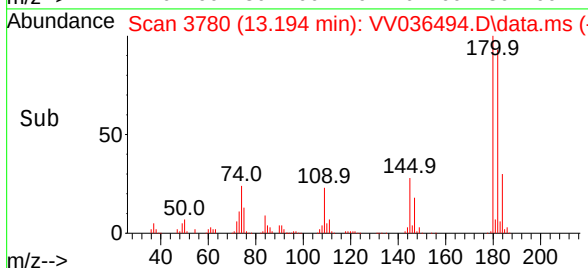
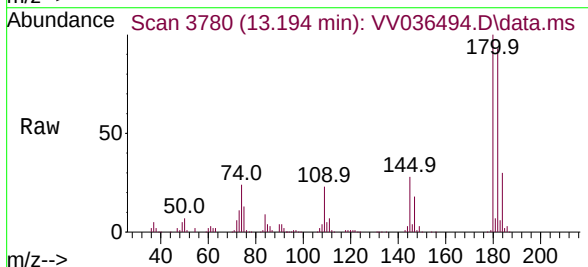
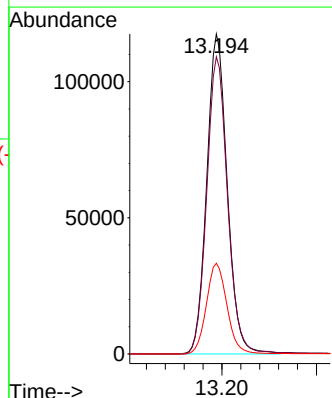
Tgt Ion:180 Resp: 177107

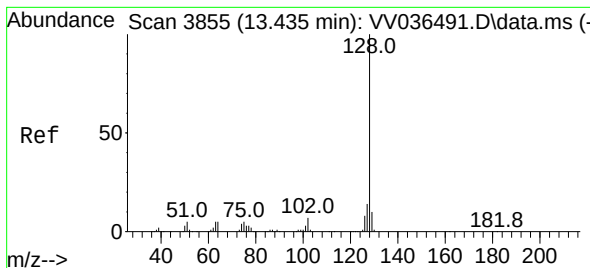
Ion Ratio Lower Upper

180 100

182 93.7 76.7 115.1

145 28.5 23.0 34.6





#71

Naphthalene

Concen: 27.297 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Instrument :

MSVOA_V

ClientSampleId :

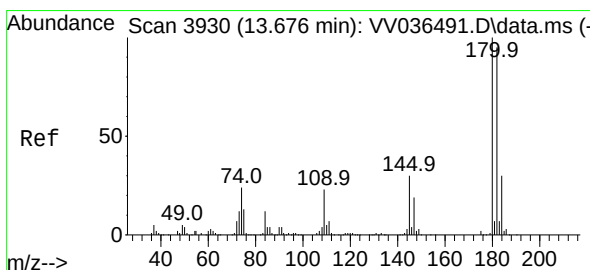
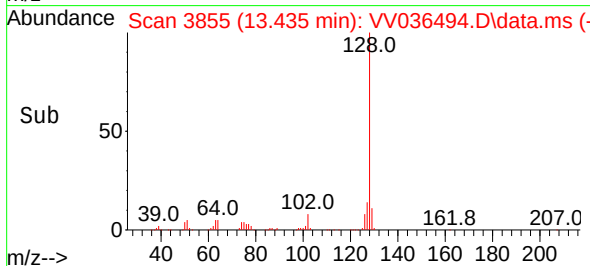
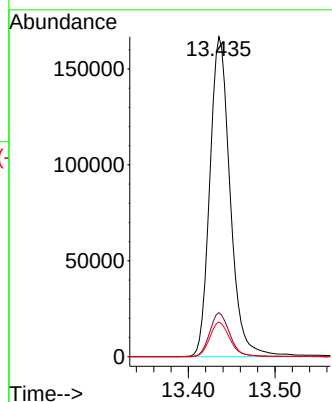
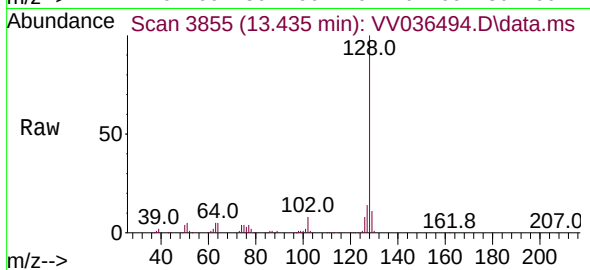
Tgt Ion:128 Resp: 271332

Ion Ratio Lower Upper

128 100

127 13.6 10.8 16.2

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 27.724 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036494.D

Acq: 11 Jul 2024 13:45

Tgt Ion:180 Resp: 173593

Ion Ratio Lower Upper

180 100

182 96.0 76.6 114.8

145 30.7 24.4 36.6

