

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071624\
 Data File : VV036559.D
 Acq On : 16 Jul 2024 09:48
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 17 02:11:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 16 01:25:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	273170	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	288506	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	170954	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	94497	24.145	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.600%
7) Chloroethane-d5	1.526	69	82422	24.088	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.360%
11) 1,1-Dichloroethene-d2	2.047	65	47123	23.448	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.800%
21) 2-Butanone-d5	3.834	46	23830	35.575	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.160%
24) Chloroform-d	4.240	84	193151	24.291	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.160%
26) 1,2-Dichloroethane-d4	4.937	65	94512	23.965	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.840%
32) Benzene-d6	4.950	84	344616	23.943	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.760%
36) 1,2-Dichloropropane-d6	5.982	67	100440	23.415	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.680%
41) Toluene-d8	7.236	98	338622	25.498	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.000%
43) trans-1,3-Dichloroprop...	7.551	79	42990	24.105	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.440%
47) 2-Hexanone-d5	8.030	63	24920	52.307	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.620%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	88711	24.556	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.240%
66) 1,2-Dichlorobenzene-d4	11.558	152	134250	23.140	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.560%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.101	85	93269	23.559	ug/L	100
3) Chloromethane	1.211	50	70550	22.206	ug/L	96
5) Vinyl chloride	1.275	62	91083	23.299	ug/L	99
6) Bromomethane	1.481	94	69277	21.962	ug/L	98
8) Chloroethane	1.542	64	63387	23.437	ug/L	99
9) Trichlorofluoromethane	1.703	101	181747	26.193	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	121226	25.911	ug/L	98
12) 1,1-Dichloroethene	2.060	96	96845	23.999	ug/L	81
13) Acetone	2.143	43	51281	54.150	ug/L	82
14) Carbon disulfide	2.227	76	179256	19.784	ug/L	100
15) Methyl Acetate	2.381	43	33295	26.022	ug/L	99
16) Methylene chloride	2.439	84	119886	21.347	ug/L	97
17) trans-1,2-Dichloroethene	2.683	96	84093	22.931	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	205368	24.991	ug/L	99
19) 1,1-Dichloroethane	3.101	63	161611	24.346	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	92560	24.284	ug/L	97
22) 2-Butanone	3.908	43	37330	46.952	ug/L	96
23) Bromochloromethane	4.137	128	55925	25.833	ug/L	96
25) Chloroform	4.269	83	200526	25.442	ug/L	99

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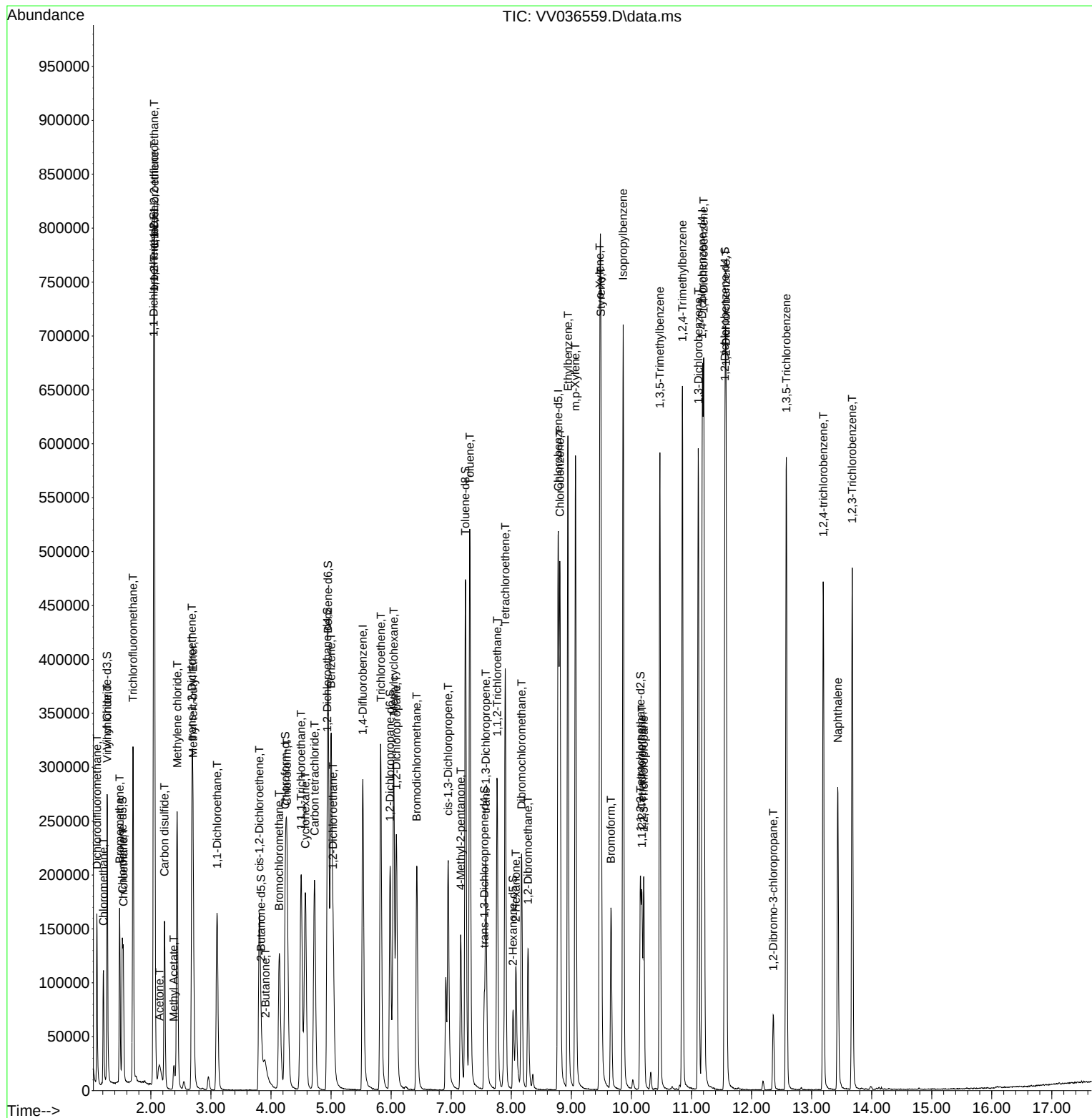
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	117635	26.569	ug/L	98
29) Cyclohexane	4.571	56	83578	22.772	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	170525	25.426	ug/L	99
31) Carbon tetrachloride	4.725	117	154510	25.977	ug/L	98
33) Benzene	5.002	78	354396	24.822	ug/L	100
34) Trichloroethene	5.828	95	110116	24.237	ug/L	99
35) Methylcyclohexane	6.043	83	126026	24.305	ug/L	98
37) 1,2-Dichloropropane	6.088	63	89754	24.910	ug/L	100
38) Bromodichloromethane	6.426	83	144772	25.357	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	130092	23.413	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	86316	52.714	ug/L	95
42) Toluene	7.310	91	404472	26.736	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	128630	25.965	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	94149	26.517	ug/L	97
46) Tetrachloroethene	7.902	164	91821	24.996	ug/L	99
48) 2-Hexanone	8.079	43	66292	54.578	ug/L	98
49) Dibromochloromethane	8.172	129	115365	26.870	ug/L	99
50) 1,2-Dibromoethane	8.278	107	88601	26.589	ug/L	100
51) Chlorobenzene	8.809	112	282106	24.899	ug/L	98
52) Ethylbenzene	8.944	91	416291	25.652	ug/L	100
53) m,p-Xylene	9.069	106	169944	27.200	ug/L	99
54) o-Xylene	9.474	106	158156	26.587	ug/L	98
55) Styrene	9.493	104	307035	28.848	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	86035	26.536	ug/L	99
59) Bromoform	9.661	173	78249	25.826	ug/L	98
60) Isopropylbenzene	9.863	105	437966	25.644	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	77370	25.437	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	302204	24.709	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	340658	25.598	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	257551	25.510	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	269515	24.860	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	246014	25.357	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	17876	27.164	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	192994	24.687	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	153539	24.695	ug/L	99
71) Naphthalene	13.435	128	230909	24.728	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	153383	26.075	ug/L	100

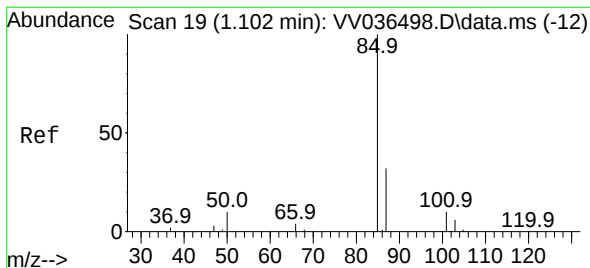
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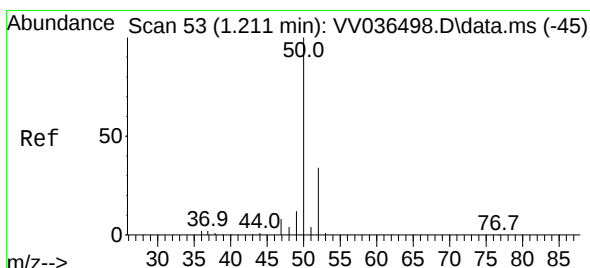
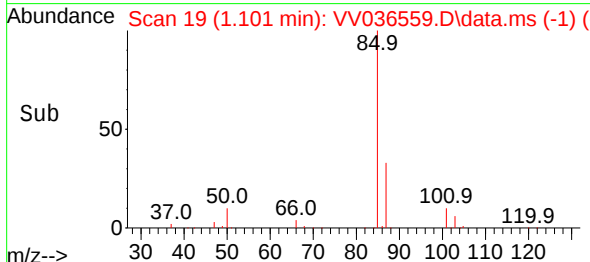
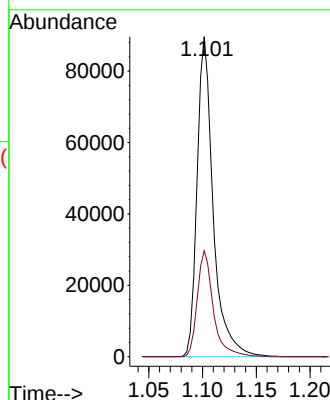
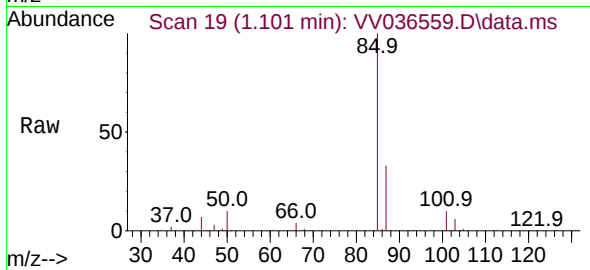




#2
 Dichlorodifluoromethane
 Concen: 23.559 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. -0.000 min
 Lab File: VV036559.D
 Acq: 16 Jul 2024 09:48

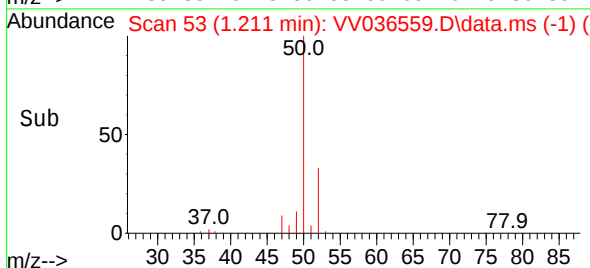
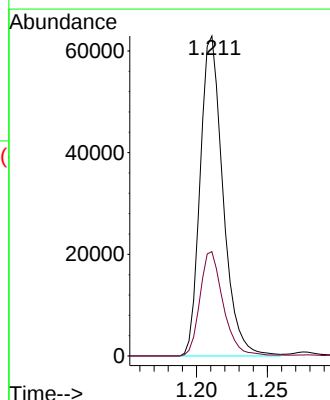
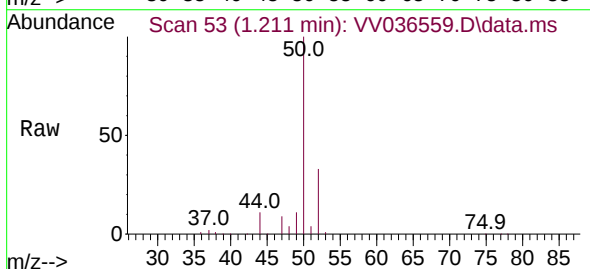
Instrument :
 MSVOA_V
 ClientSampleId :

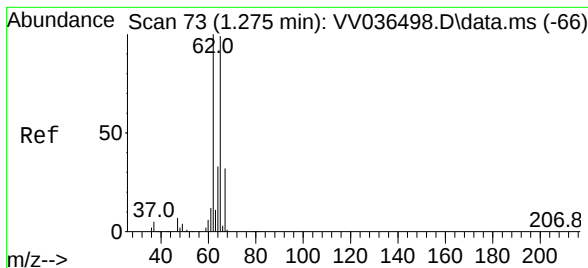
Tgt Ion: 85 Resp: 93269
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.2 39.2



#3
 Chloromethane
 Concen: 22.206 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV036559.D
 Acq: 16 Jul 2024 09:48

Tgt Ion: 50 Resp: 70550
 Ion Ratio Lower Upper
 50 100
 52 32.6 24.4 45.4





#5

Vinyl chloride

Concen: 23.299 ug/L

RT: 1.275 min Scan# 73

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

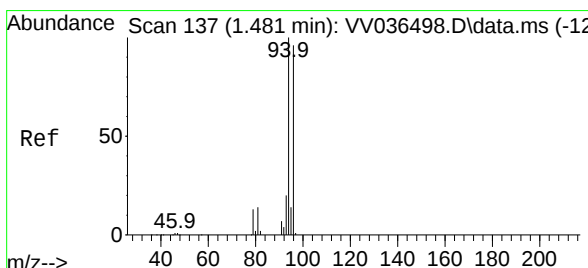
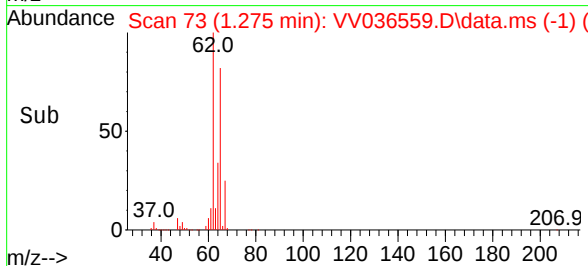
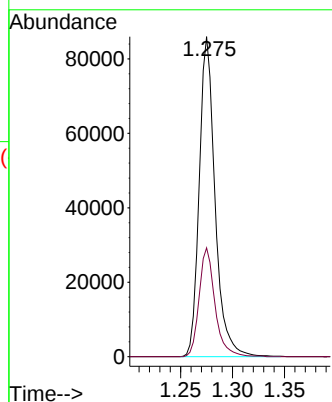
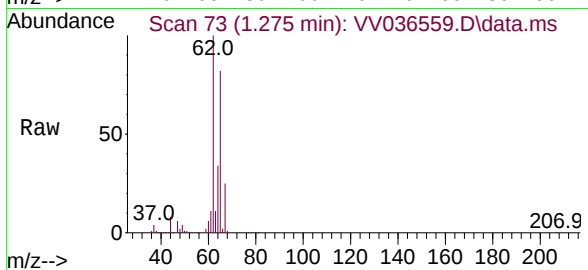
ClientSampleId :

Tgt Ion: 62 Resp: 91083

Ion Ratio Lower Upper

62 100

64 34.0 23.4 43.4



#6

Bromomethane

Concen: 21.962 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.000 min

Lab File: VV036559.D

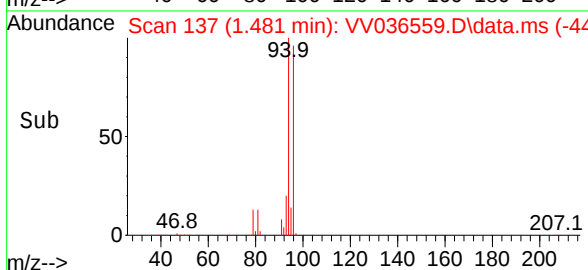
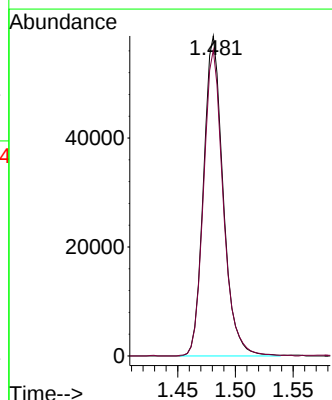
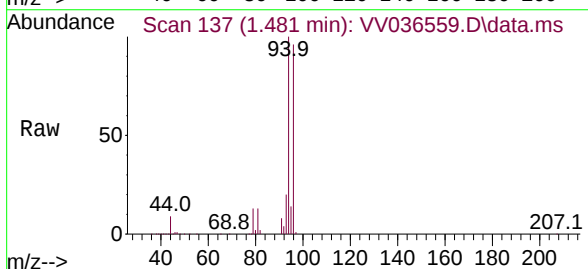
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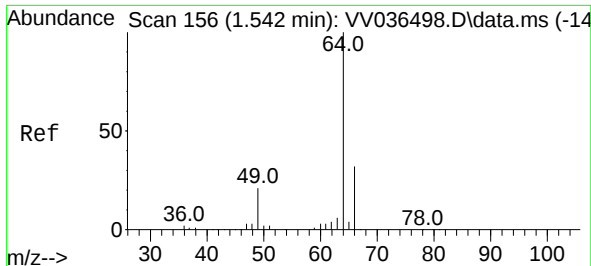
Tgt Ion: 94 Resp: 69277

Ion Ratio Lower Upper

94 100

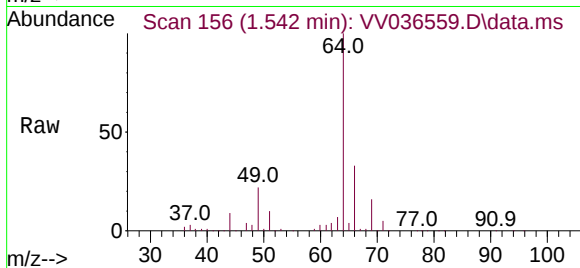
96 95.7 65.6 121.8



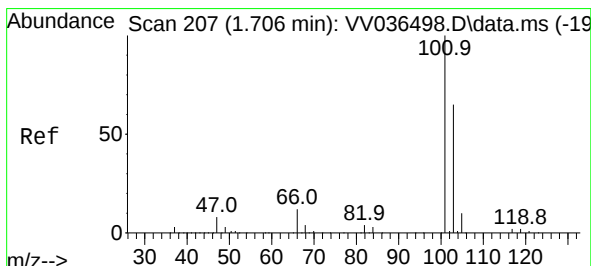
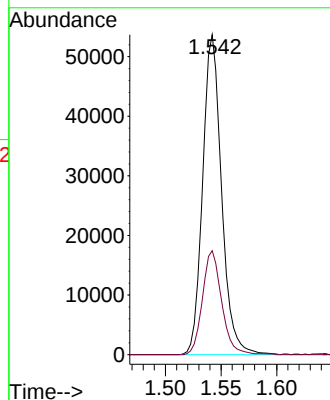
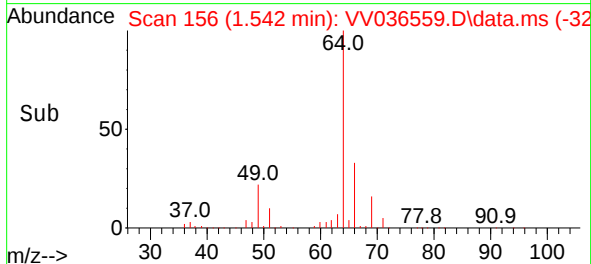


#8
Chloroethane
Concen: 23.437 ug/L
RT: 1.542 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Instrument :
MSVOA_V
ClientSampleId :

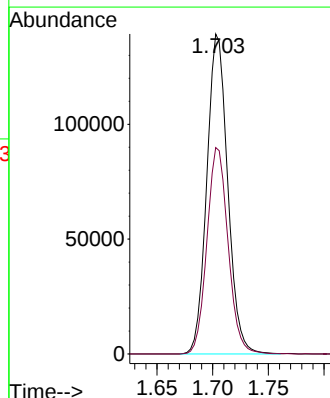
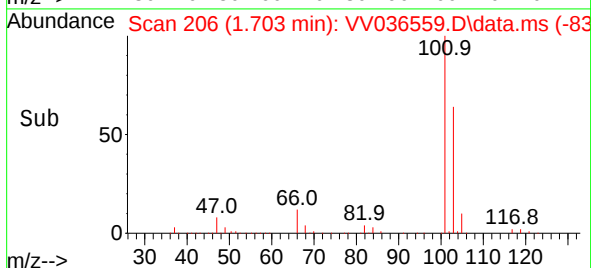
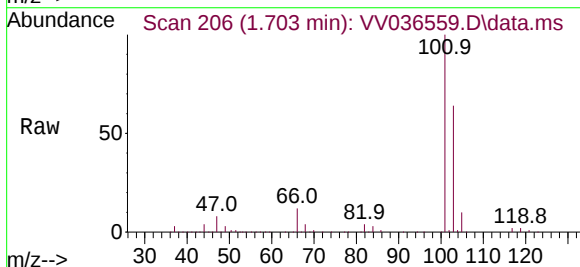


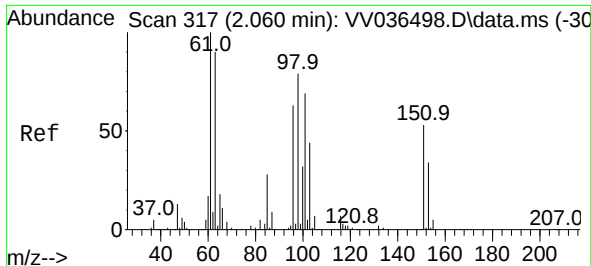
Tgt Ion: 64 Resp: 63387
Ion Ratio Lower Upper
64 100
66 32.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 26.193 ug/L
RT: 1.703 min Scan# 206
Delta R.T. -0.003 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

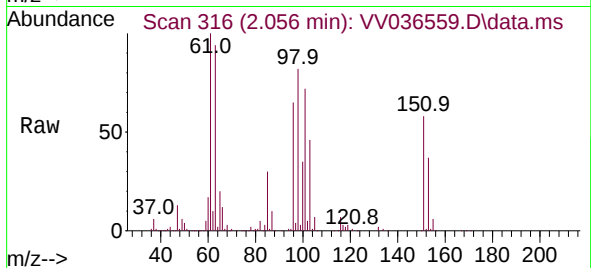
Tgt Ion:101 Resp: 181747
Ion Ratio Lower Upper
101 100
103 65.4 51.9 77.9



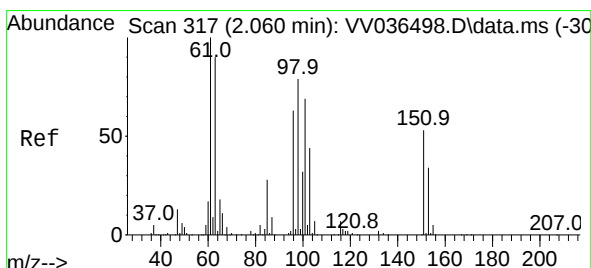
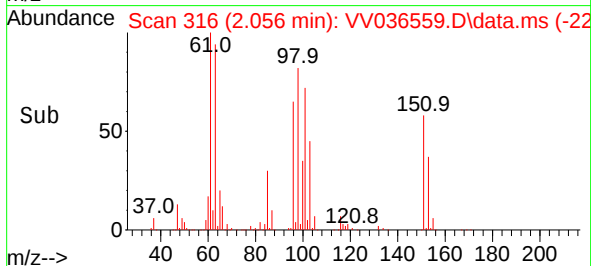
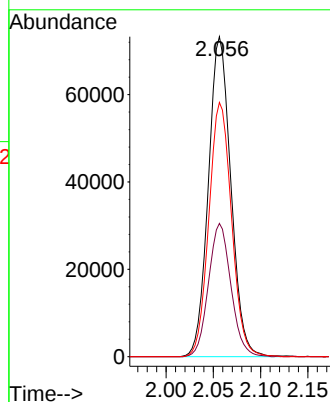


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 25.911 ug/L
RT: 2.056 min Scan# 316
Delta R.T. -0.003 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Instrument :
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ClientSampleId :

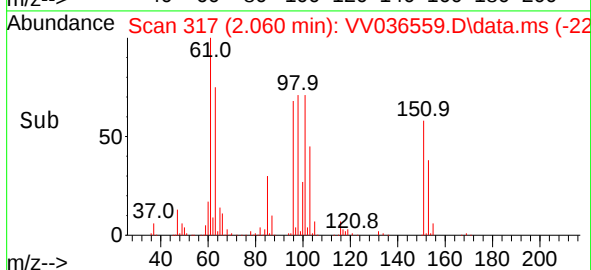
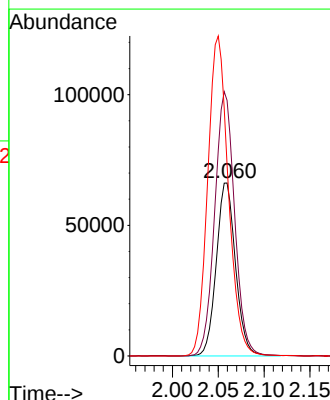
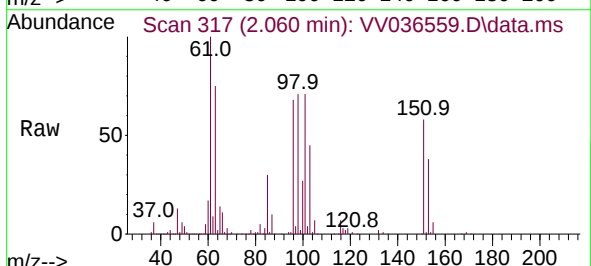


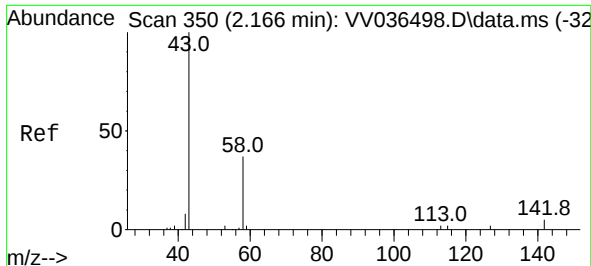
Tgt Ion:101 Resp: 121226
Ion Ratio Lower Upper
101 100
85 41.5 32.5 48.7
151 80.3 62.6 94.0



#12
1,1-Dichloroethene
Concen: 23.999 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.000 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Tgt Ion: 96 Resp: 96845
Ion Ratio Lower Upper
96 100
61 147.7 110.8 205.8
63 110.5 103.9 192.9





#13

Acetone

Concen: 54.150 ug/L

RT: 2.143 min Scan# 34

Delta R.T. -0.007 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

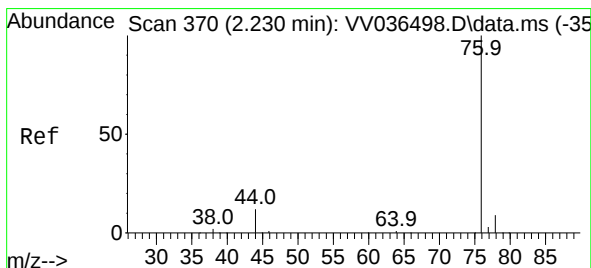
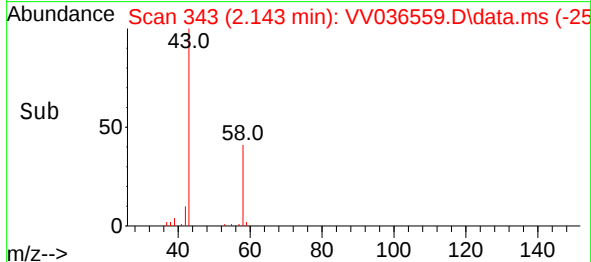
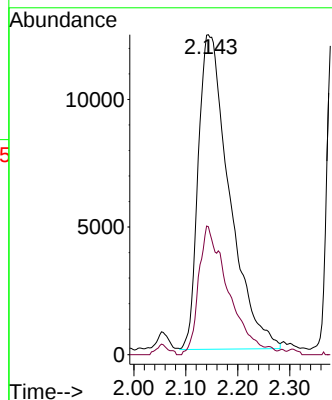
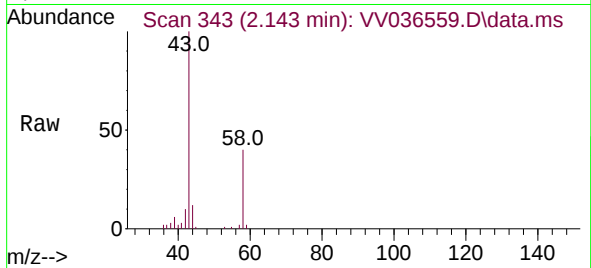
ClientSampleId :

Tgt Ion: 43 Resp: 51281

Ion Ratio Lower Upper

43 100

58 21.5 0.0 28.4



#14

Carbon disulfide

Concen: 19.784 ug/L

RT: 2.227 min Scan# 369

Delta R.T. -0.003 min

Lab File: VV036559.D

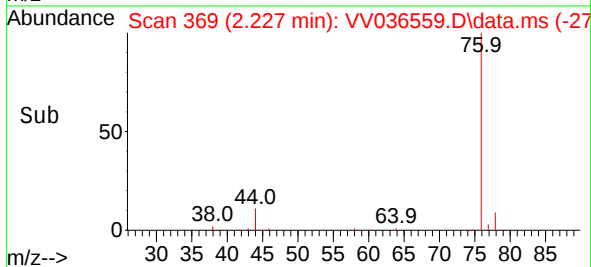
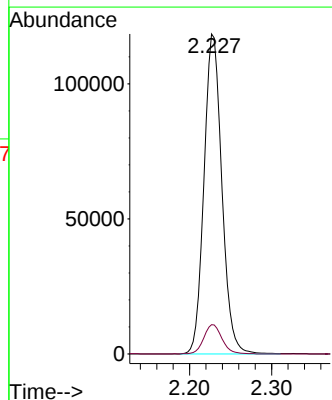
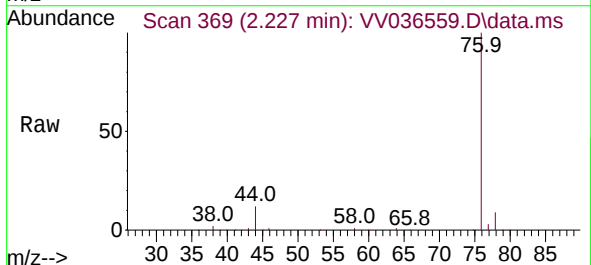
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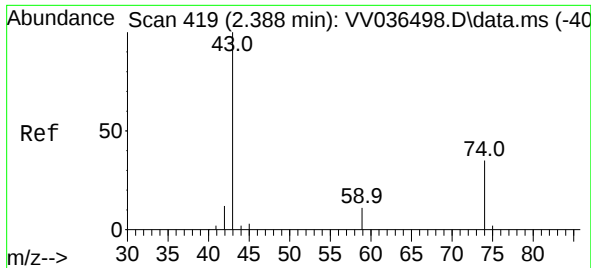
Tgt Ion: 76 Resp: 179256

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

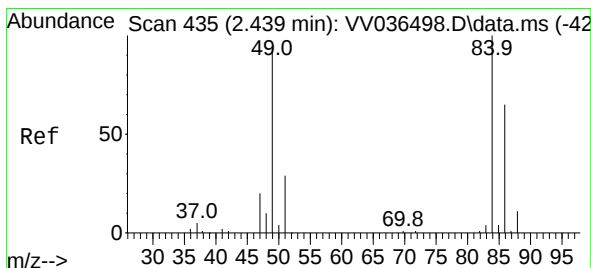
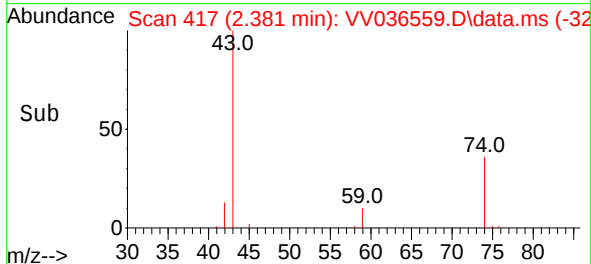
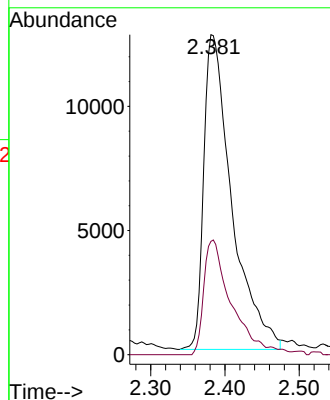
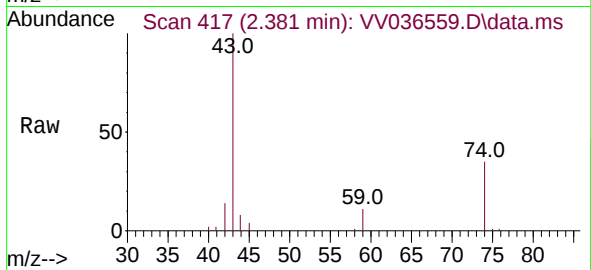




#15
Methyl Acetate
Concen: 26.022 ug/L
RT: 2.381 min Scan# 419
Delta R.T. -0.007 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

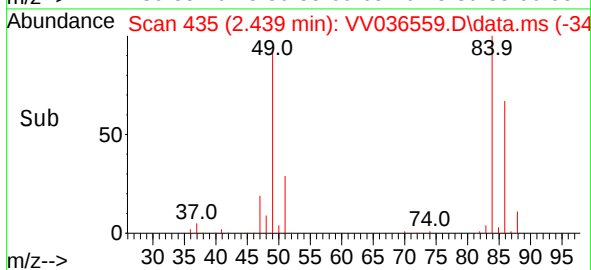
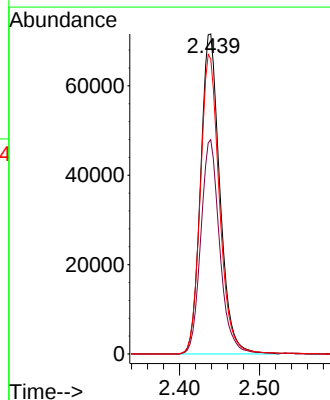
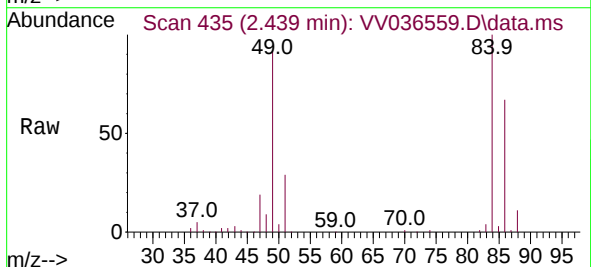
Instrument :
MSVOA_V
ClientSampleId :

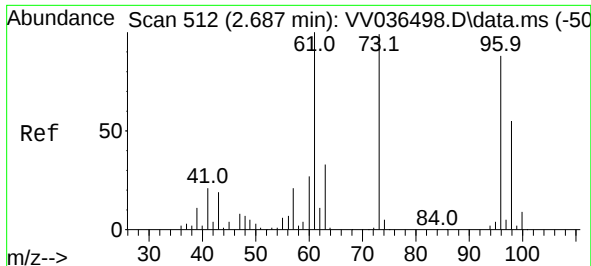
Tgt Ion: 43 Resp: 33295
Ion Ratio Lower Upper
43 100
74 33.6 26.3 39.5



#16
Methylene chloride
Concen: 21.347 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.000 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Tgt Ion: 84 Resp: 119886
Ion Ratio Lower Upper
84 100
86 66.9 46.3 86.1
49 92.2 68.1 126.5





#17

trans-1,2-Dichloroethene

Concen: 22.931 ug/L

RT: 2.683 min Scan# 511

Delta R.T. -0.003 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

ClientSampleId :

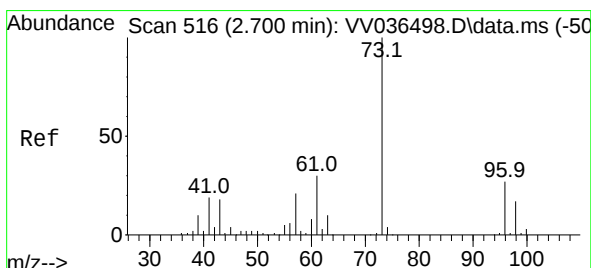
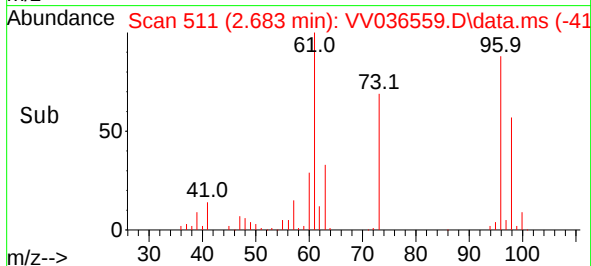
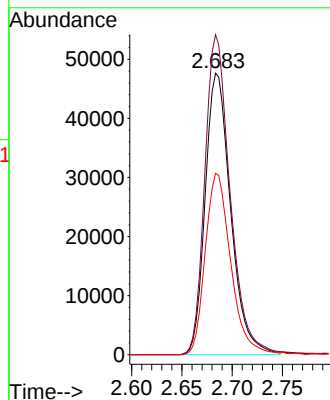
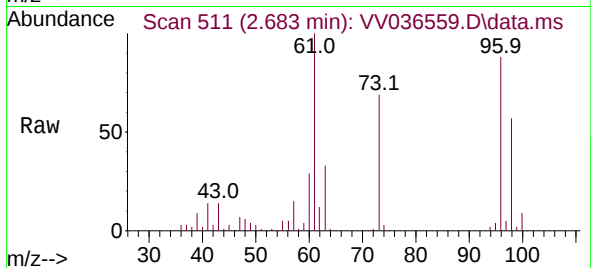
Tgt Ion: 96 Resp: 84093

Ion Ratio Lower Upper

96 100

61 113.7 80.7 149.9

98 64.4 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 24.991 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

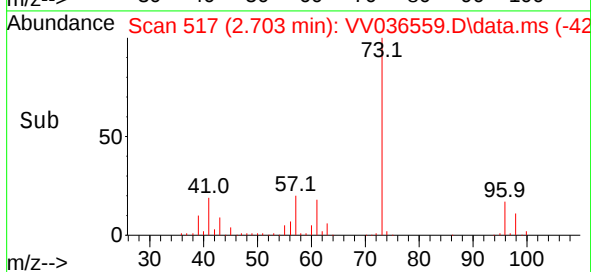
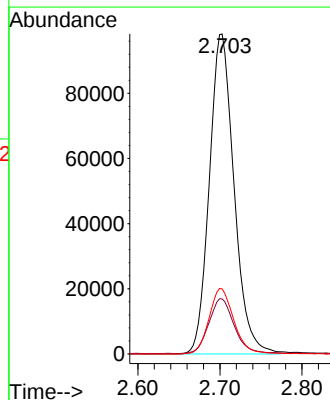
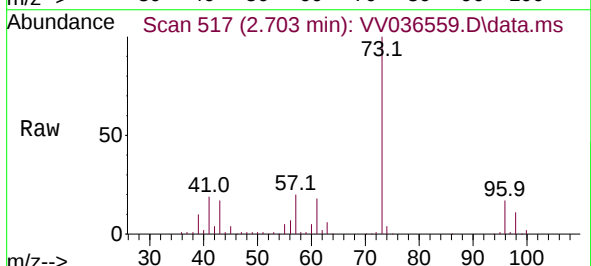
Tgt Ion: 73 Resp: 205368

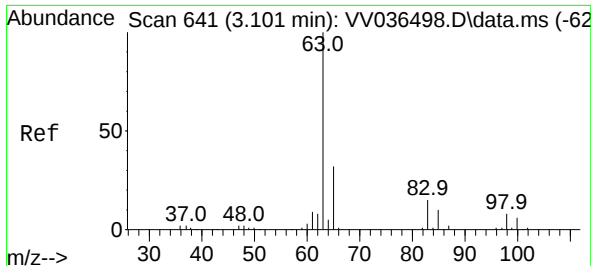
Ion Ratio Lower Upper

73 100

43 17.4 14.3 21.5

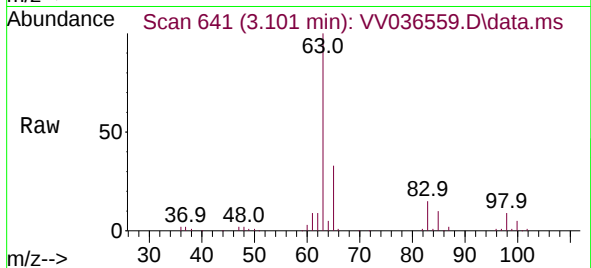
57 20.6 16.5 24.7



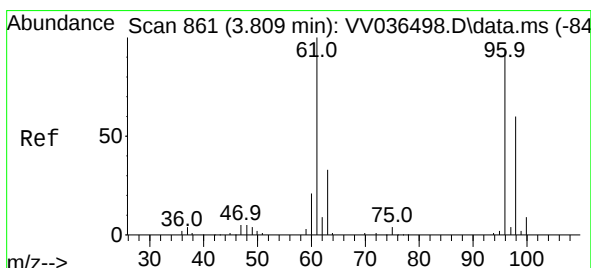
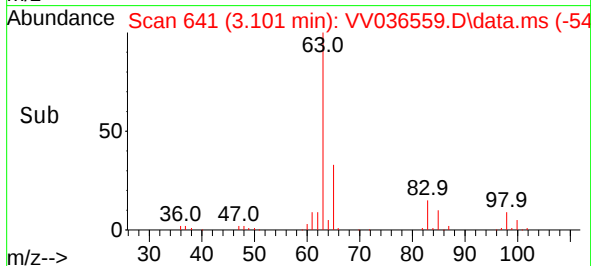
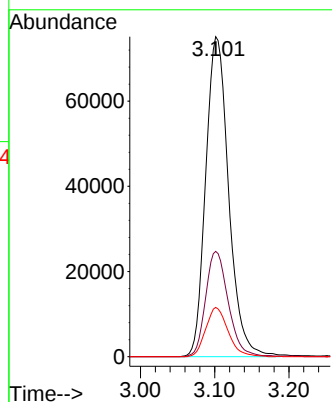


#19
1,1-Dichloroethane
Concen: 24.346 ug/L
RT: 3.101 min Scan# 641
Delta R.T. -0.003 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Instrument :
MSVOA_V
ClientSampleId :

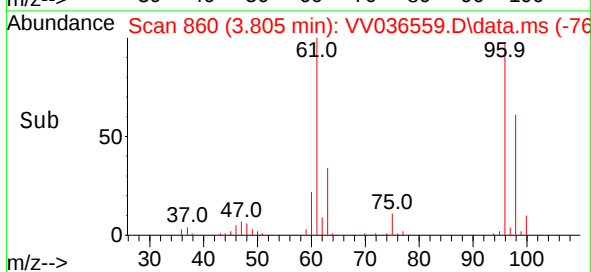
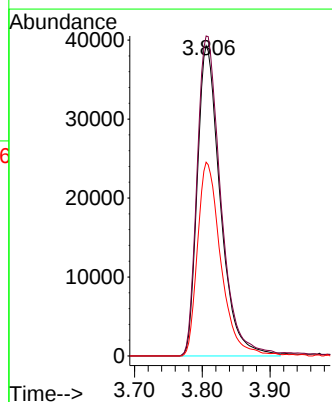
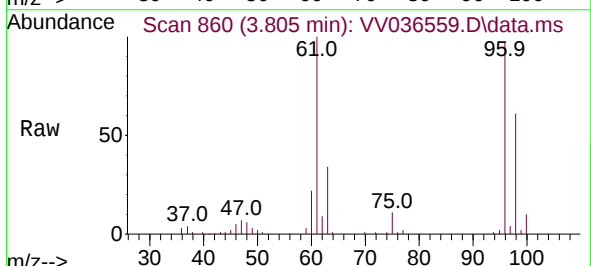


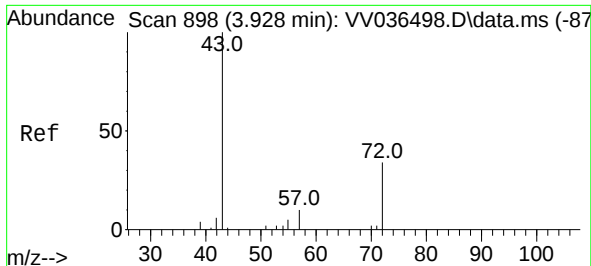
Tgt Ion: 63 Resp: 161611
Ion Ratio Lower Upper
63 100
65 32.9 22.7 42.1
83 15.4 10.9 20.2



#20
cis-1,2-Dichloroethene
Concen: 24.284 ug/L
RT: 3.805 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Tgt Ion: 96 Resp: 92560
Ion Ratio Lower Upper
96 100
61 103.2 74.8 138.8
98 62.5 45.2 84.0





#22

2-Butanone

Concen: 46.952 ug/L

RT: 3.908 min Scan# 898

Delta R.T. -0.007 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

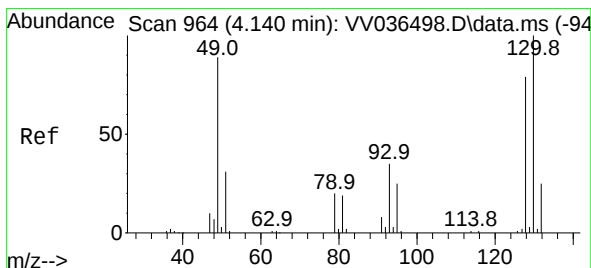
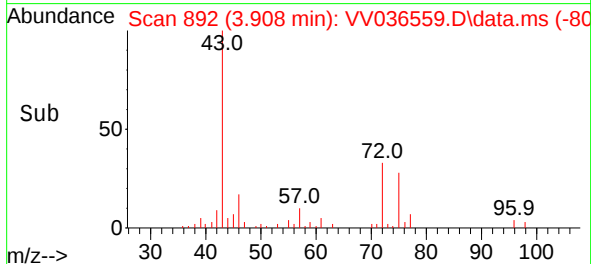
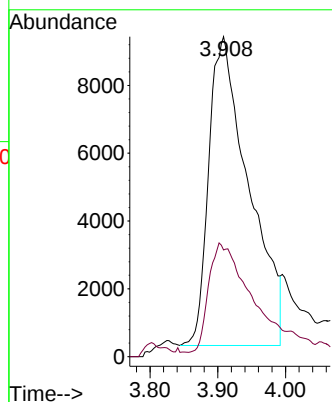
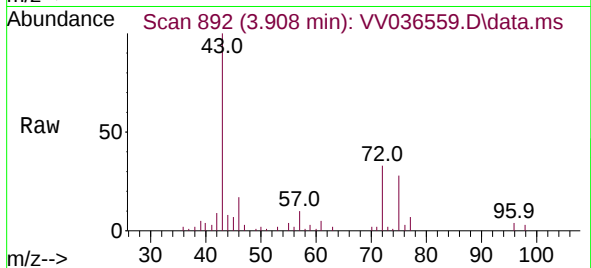
ClientSampleId :

Tgt Ion: 43 Resp: 37330

Ion Ratio Lower Upper

43 100

72 13.3 5.9 17.6



#23

Bromochloromethane

Concen: 25.833 ug/L

RT: 4.137 min Scan# 963

Delta R.T. -0.003 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Tgt Ion: 128 Resp: 55925

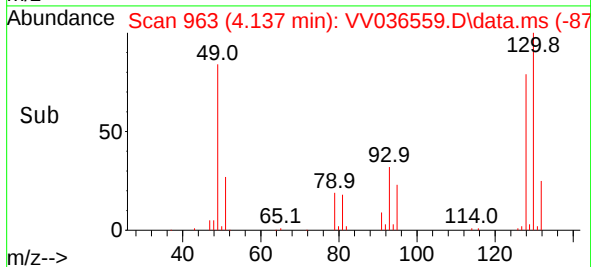
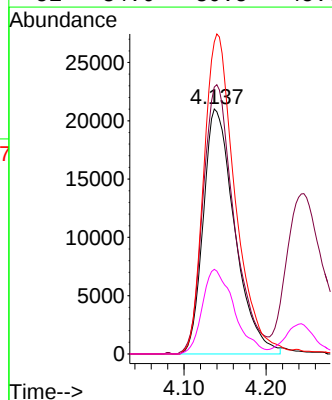
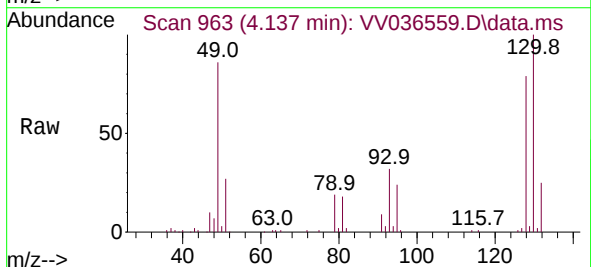
Ion Ratio Lower Upper

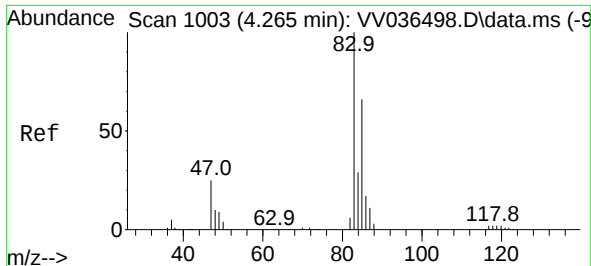
128 100

49 108.9 80.7 149.9

130 127.4 89.9 167.0

51 34.6 30.5 45.7





#25

Chloroform

Concen: 25.442 ug/L

RT: 4.269 min Scan# 1003

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

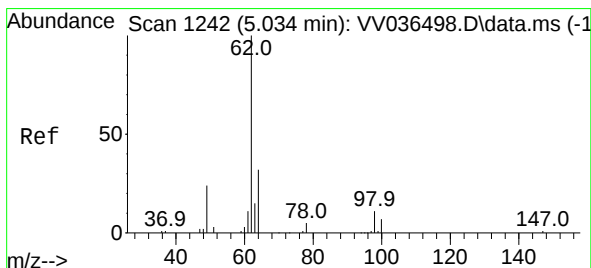
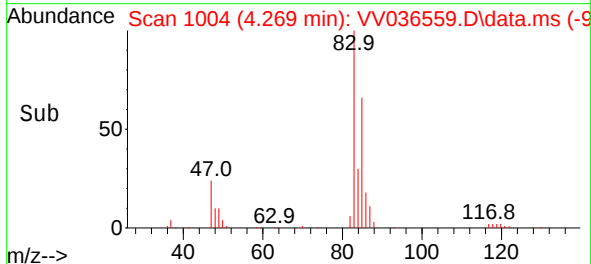
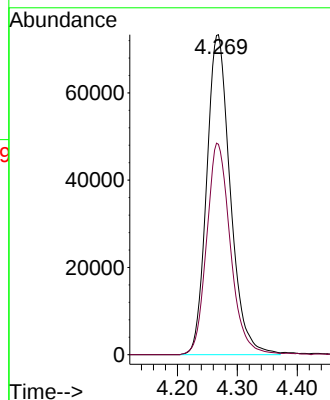
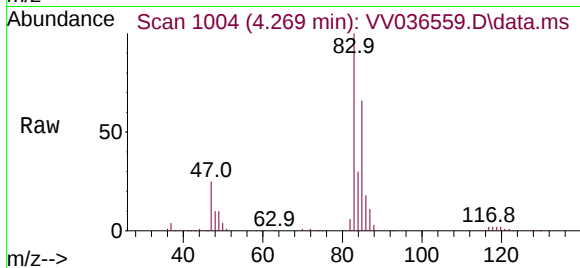
ClientSampleId :

Tgt Ion: 83 Resp: 200526

Ion Ratio Lower Upper

83 100

85 65.7 45.6 84.6



#27

1,2-Dichloroethane

Concen: 26.569 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV036559.D

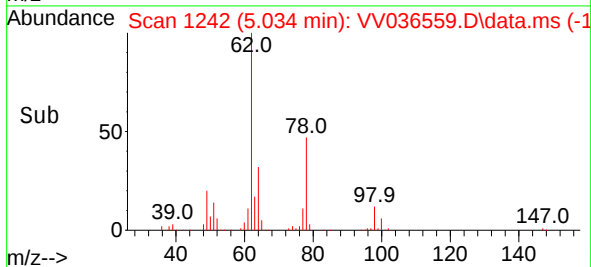
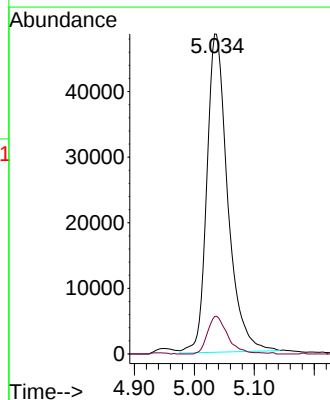
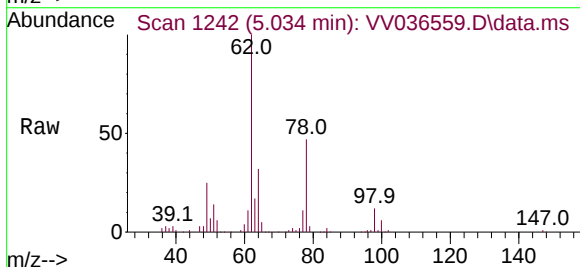
Acq: 16 Jul 2024 09:48

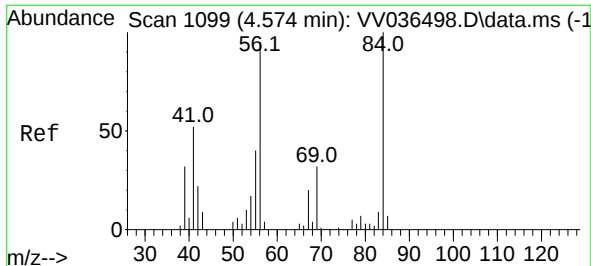
Tgt Ion: 62 Resp: 117635

Ion Ratio Lower Upper

62 100

98 11.7 8.9 13.3





#29

Cyclohexane

Concen: 22.772 ug/L

RT: 4.571 min Scan# 1099

Delta R.T. -0.003 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

ClientSampleId :

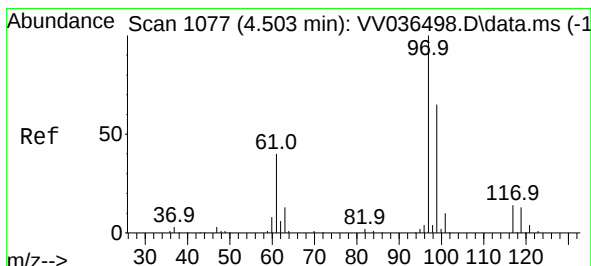
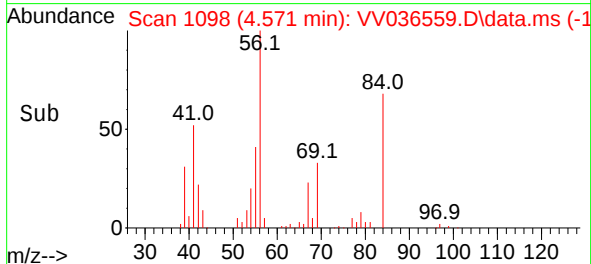
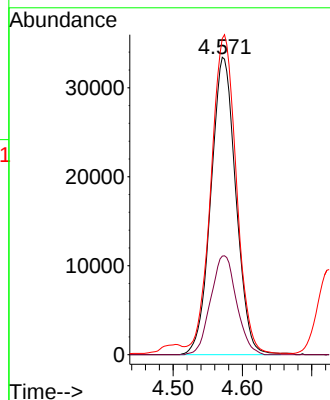
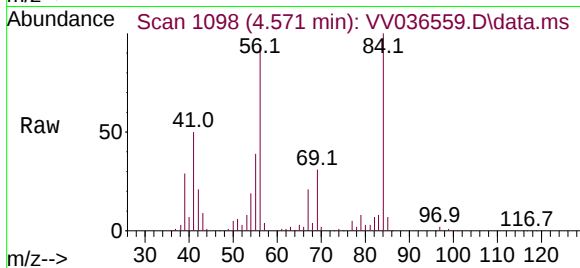
Tgt Ion: 56 Resp: 83578

Ion Ratio Lower Upper

56 100

69 34.5 27.6 41.4

84 108.4 85.4 128.2



#30

1,1,1-Trichloroethane

Concen: 25.426 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

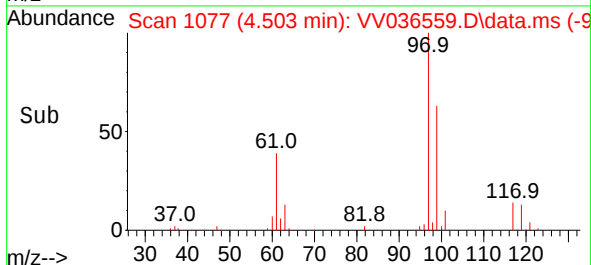
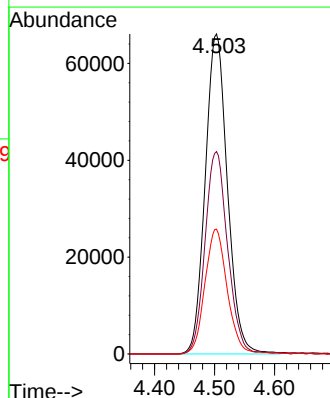
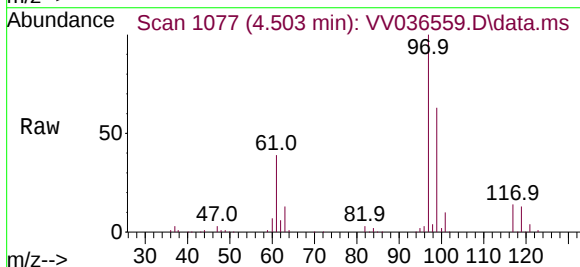
Tgt Ion: 97 Resp: 170525

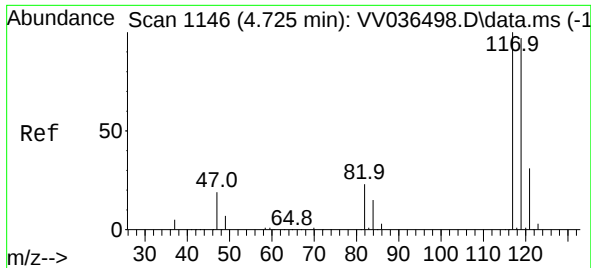
Ion Ratio Lower Upper

97 100

99 64.4 51.9 77.9

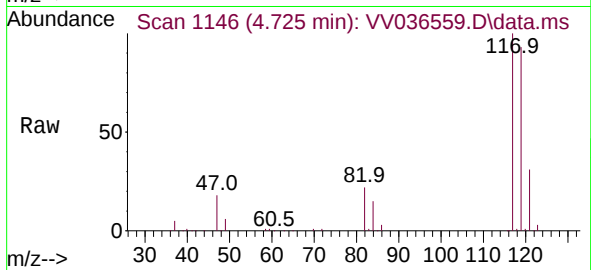
61 38.9 32.2 48.4



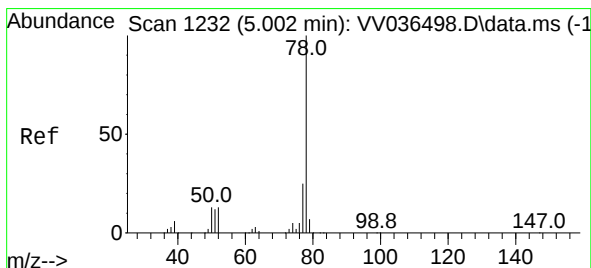
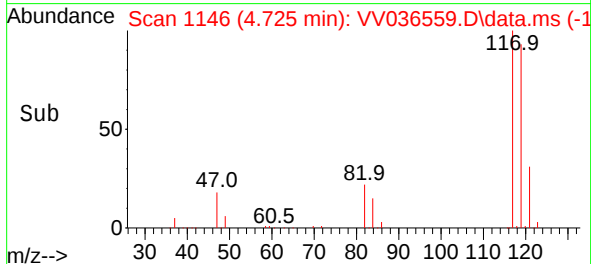
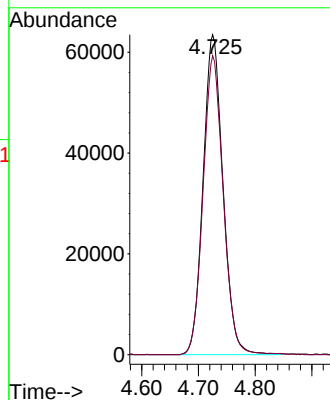


#31
Carbon tetrachloride
Concen: 25.977 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. -0.003 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Instrument :
MSVOA_V
ClientSampleId :

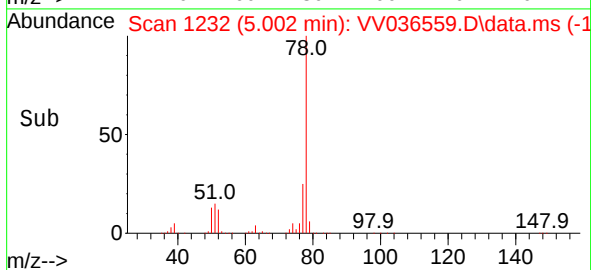
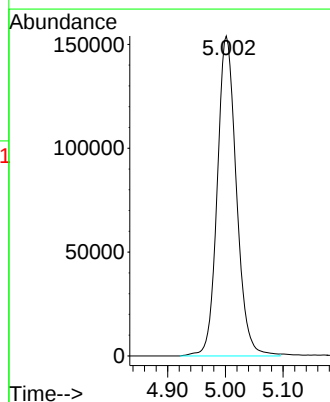
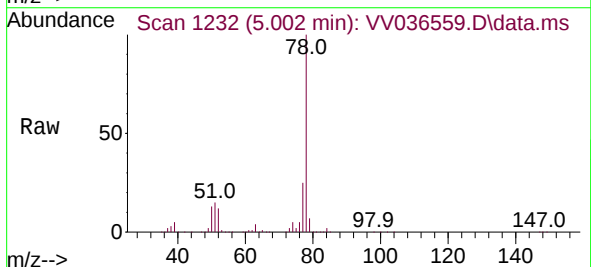


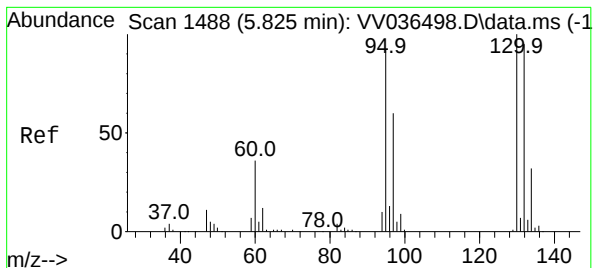
Tgt Ion:117 Resp: 154510
Ion Ratio Lower Upper
117 100
119 94.7 77.6 116.4



#33
Benzene
Concen: 24.822 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Tgt Ion: 78 Resp: 354396





#34

Trichloroethene

Concen: 24.237 ug/L

RT: 5.828 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 110116

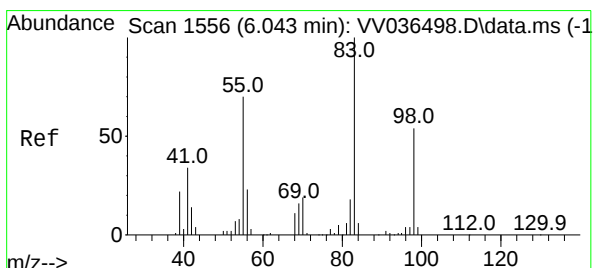
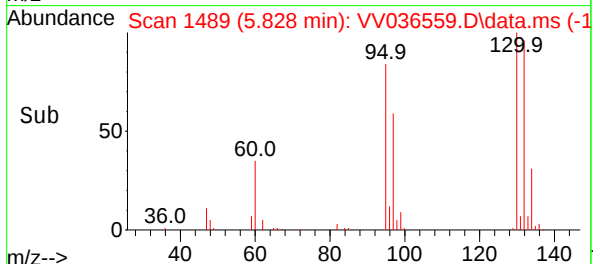
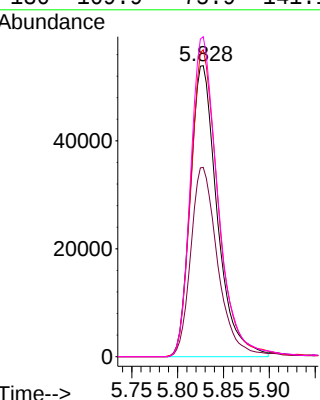
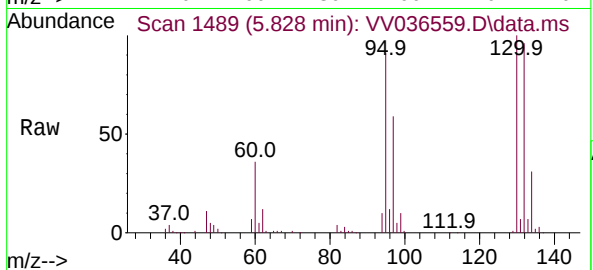
Ion Ratio Lower Upper

95 100

97 65.0 44.4 82.4

132 105.4 73.0 135.6

130 109.9 75.9 141.1



#35

Methylcyclohexane

Concen: 24.305 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.003 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

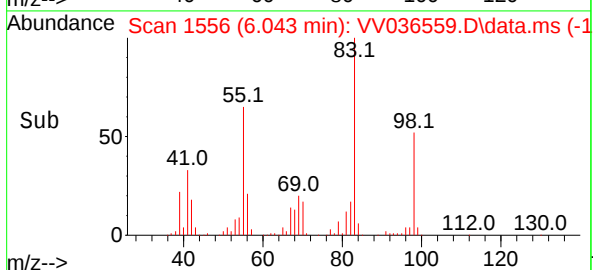
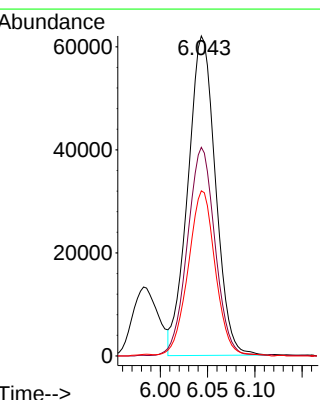
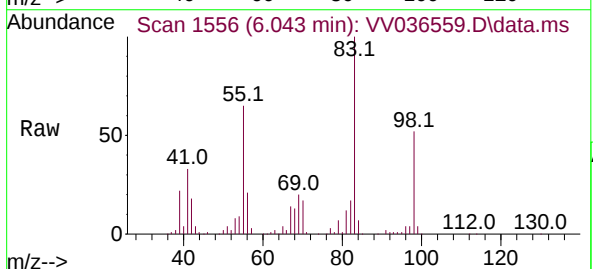
Tgt Ion: 83 Resp: 126026

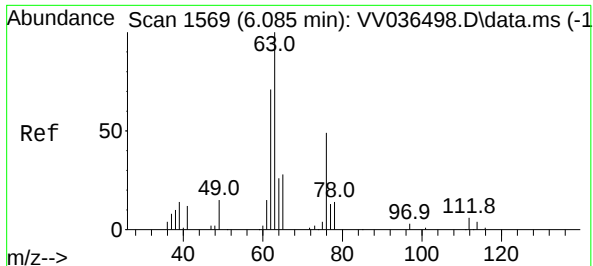
Ion Ratio Lower Upper

83 100

55 65.4 54.3 81.5

98 51.0 41.7 62.5

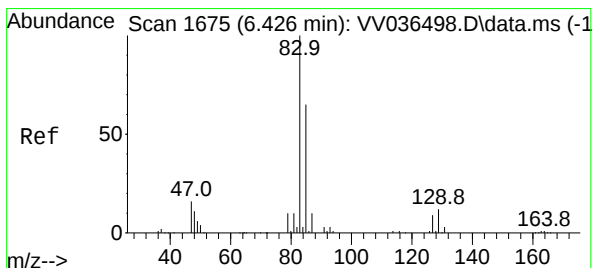
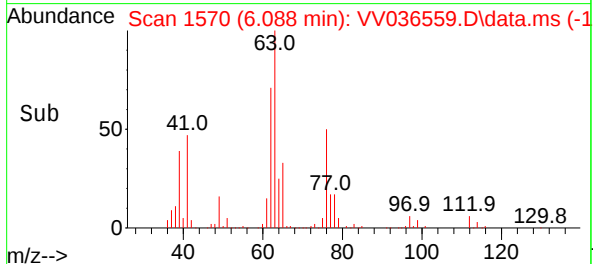
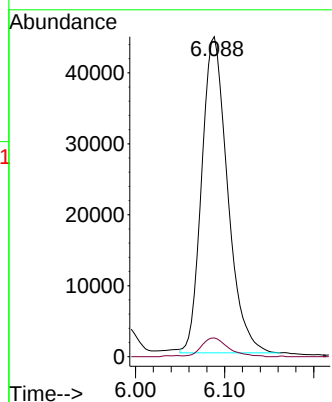
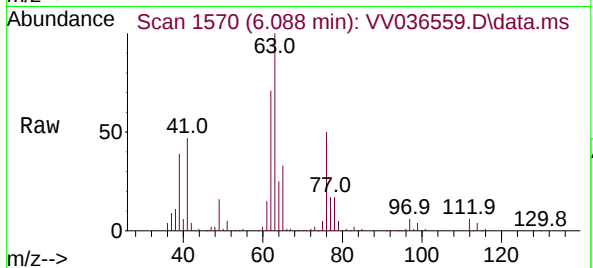




#37
1,2-Dichloropropane
Concen: 24.910 ug/L
RT: 6.088 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

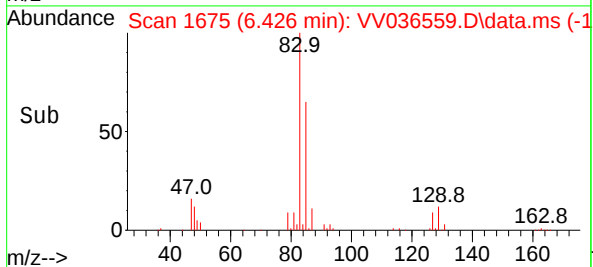
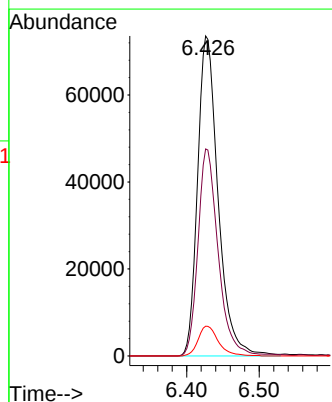
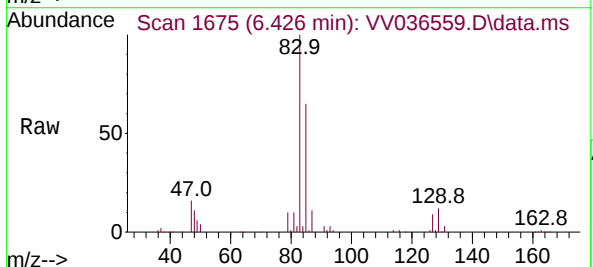
Instrument :
MSVOA_V
ClientSampleId :

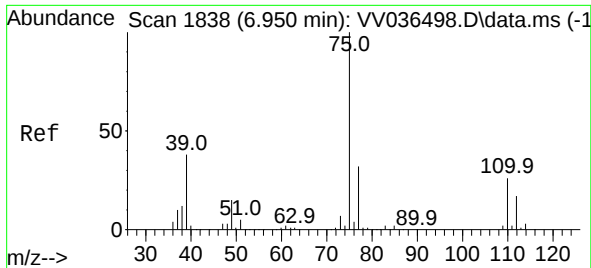
Tgt Ion: 63 Resp: 89754
Ion Ratio Lower Upper
63 100
112 5.7 4.5 6.7



#38
Bromodichloromethane
Concen: 25.357 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.003 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Tgt Ion: 83 Resp: 144772
Ion Ratio Lower Upper
83 100
85 64.7 44.3 82.3
127 9.3 7.0 10.4

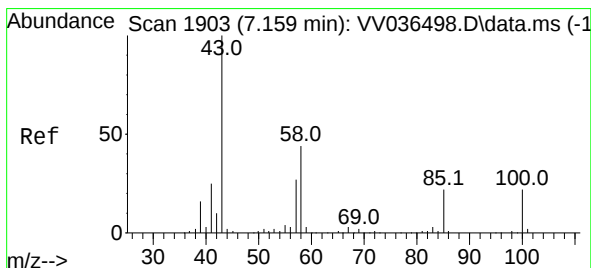
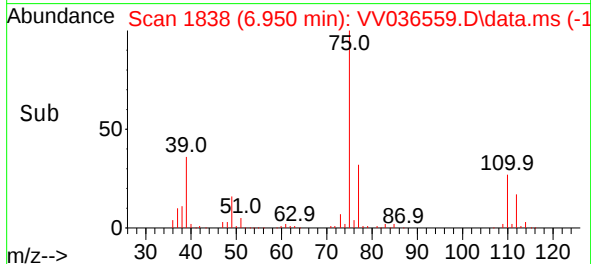
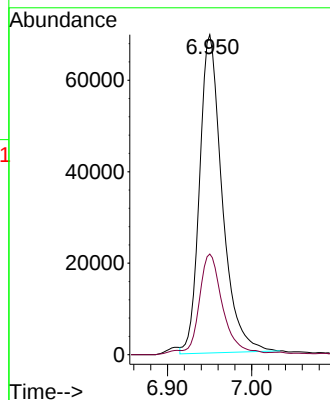
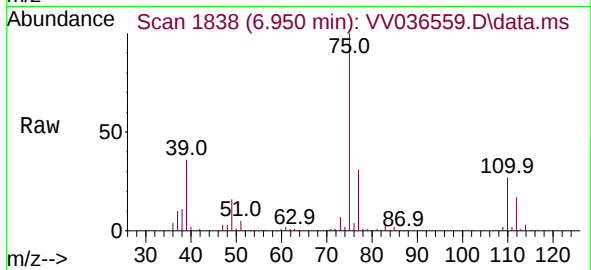




#39
 cis-1,3-Dichloropropene
 Concen: 23.413 ug/L
 RT: 6.950 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VV036559.D
 Acq: 16 Jul 2024 09:48

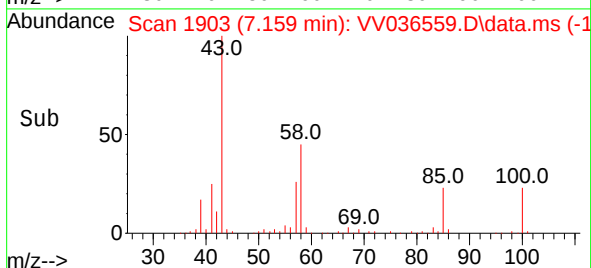
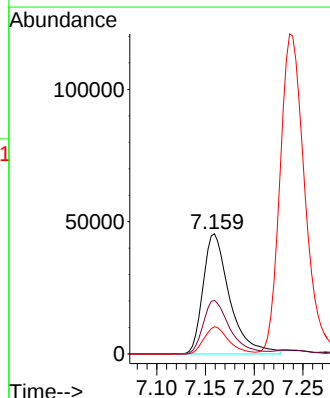
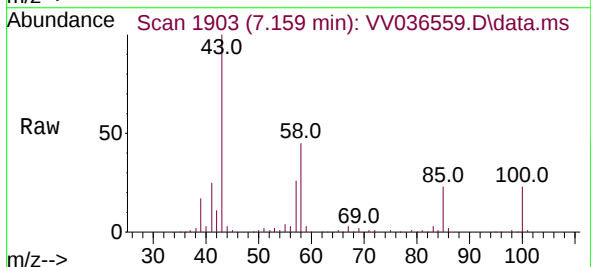
Instrument :
 MSVOA_V
 ClientSampleId :

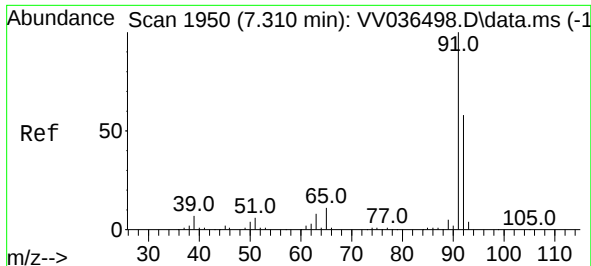
Tgt Ion: 75 Resp: 130092
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 52.714 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VV036559.D
 Acq: 16 Jul 2024 09:48

Tgt Ion: 43 Resp: 86316
 Ion Ratio Lower Upper
 43 100
 58 44.7 32.9 49.3
 100 21.0 15.5 23.3





#42

Toluene

Concen: 26.736 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

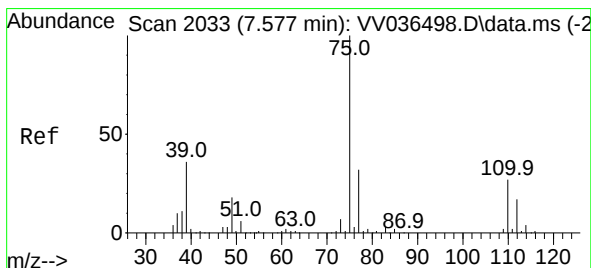
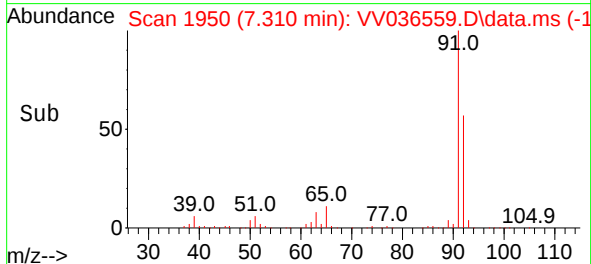
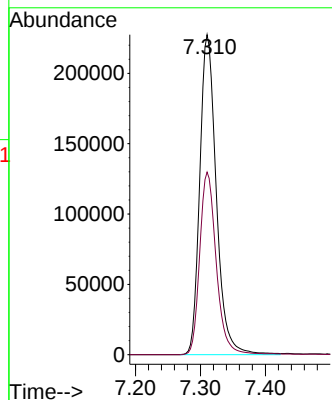
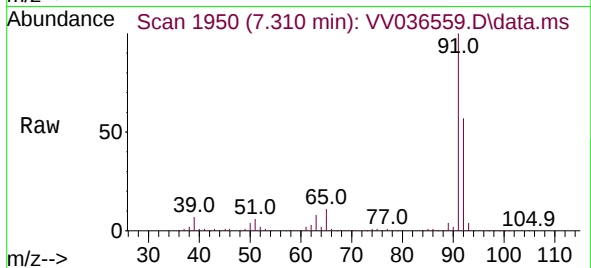
ClientSampleId :

Tgt Ion: 91 Resp: 404472

Ion Ratio Lower Upper

91 100

92 57.0 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 25.965 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV036559.D

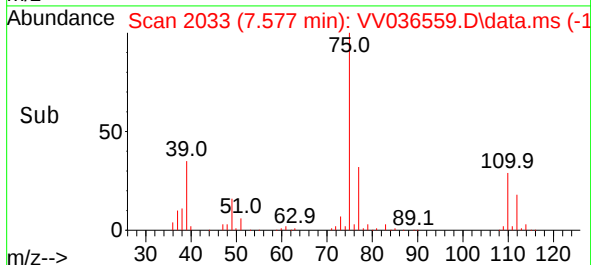
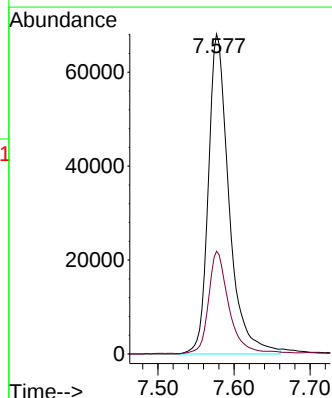
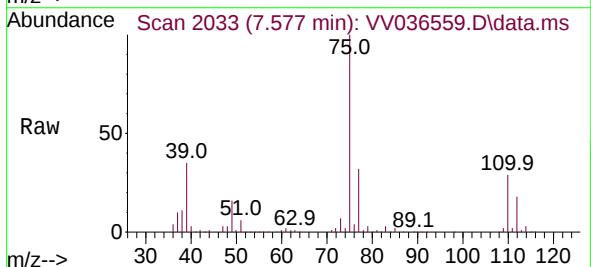
Acq: 16 Jul 2024 09:48

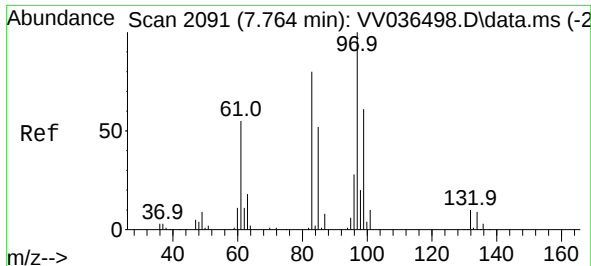
Tgt Ion: 75 Resp: 128630

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 26.517 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 94149

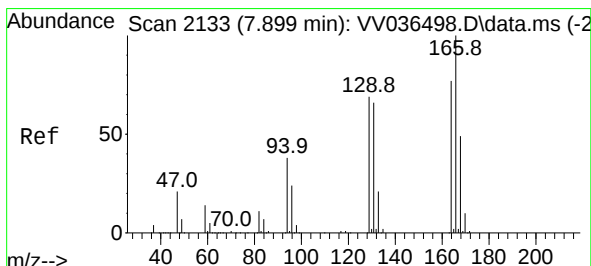
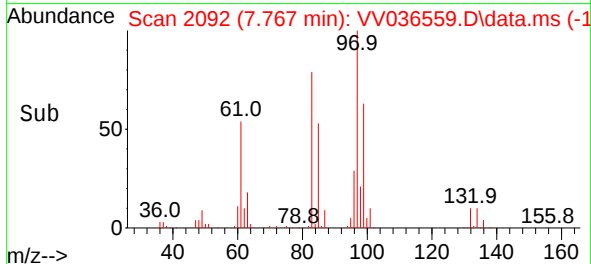
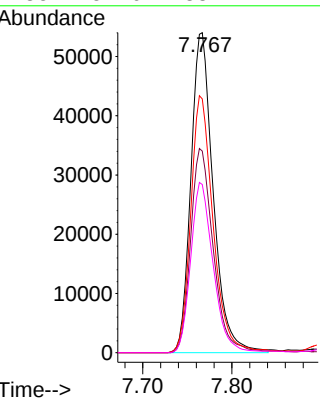
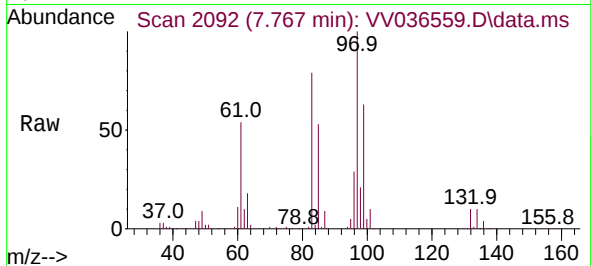
Ion Ratio Lower Upper

97 100

99 63.0 42.6 79.2

83 79.3 58.0 107.6

85 52.6 38.4 71.4



#46

Tetrachloroethene

Concen: 24.996 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Tgt Ion:164 Resp: 91821

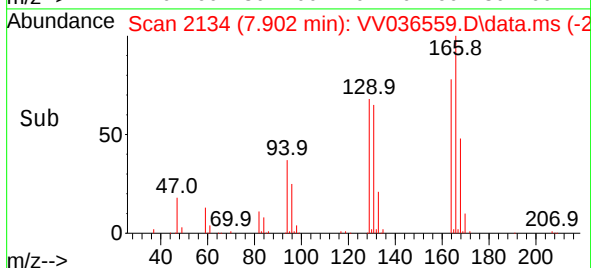
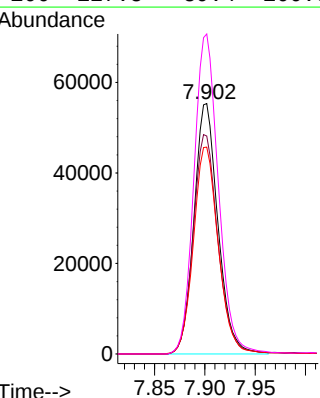
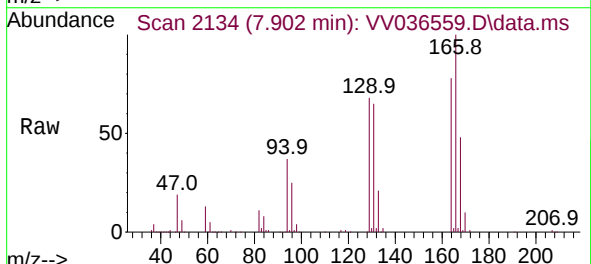
Ion Ratio Lower Upper

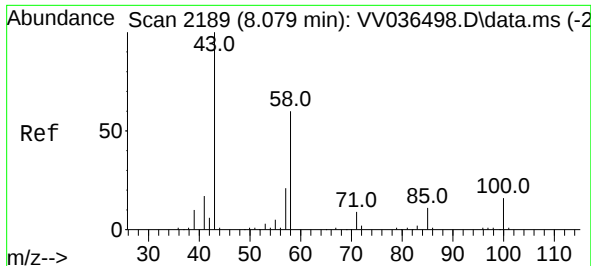
164 100

129 87.0 61.0 113.4

131 82.6 59.8 111.1

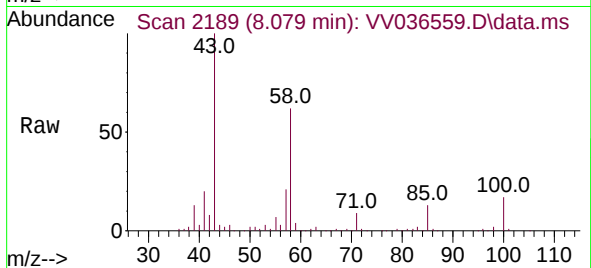
166 127.8 89.4 166.0



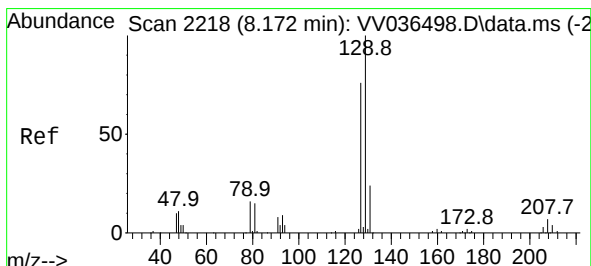
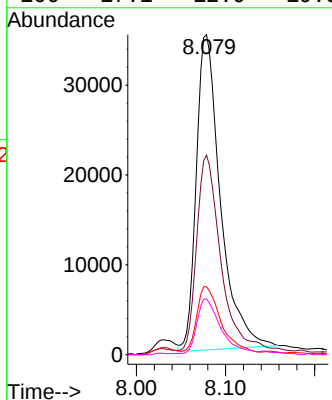
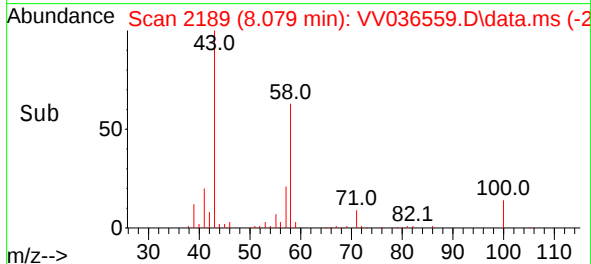


#48
2-Hexanone
Concen: 54.578 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Instrument :
MSVOA_V
ClientSampleId :

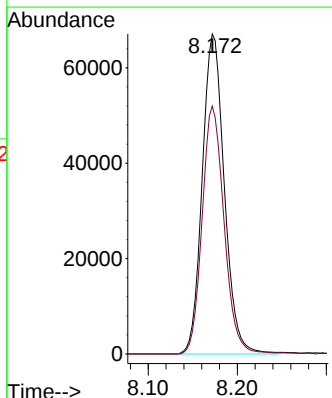
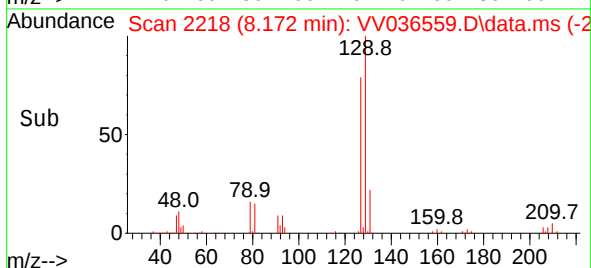
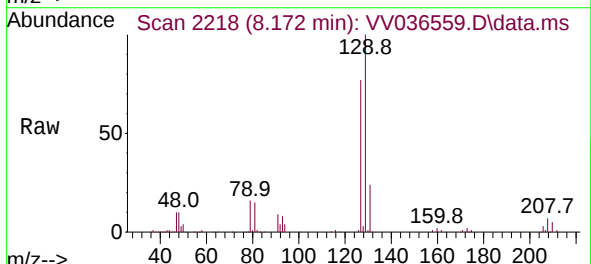


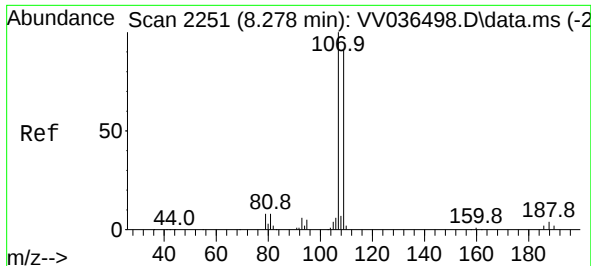
Tgt Ion: 43	Resp: 66292
Ion Ratio	Lower Upper
43	100
58	62.1 49.5 74.3
57	22.6 15.3 22.9
100	17.1 12.9 19.3



#49
Dibromochloromethane
Concen: 26.870 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Tgt Ion: 129	Resp: 115365
Ion Ratio	Lower Upper
129	100
127	77.4 53.7 99.7

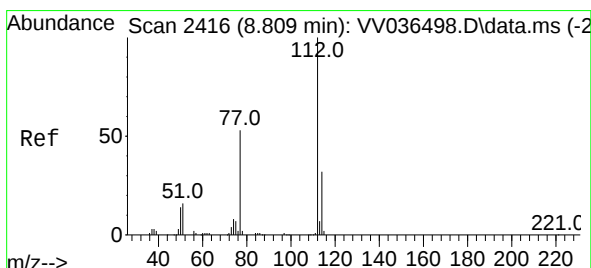
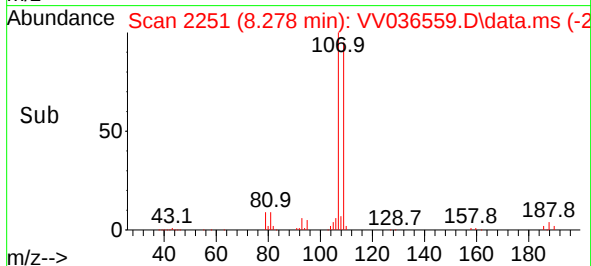
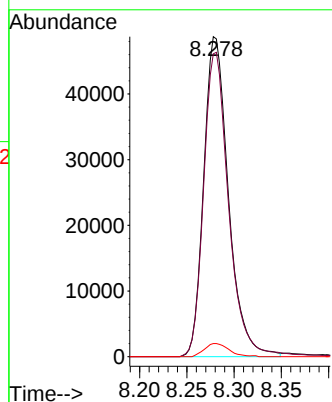
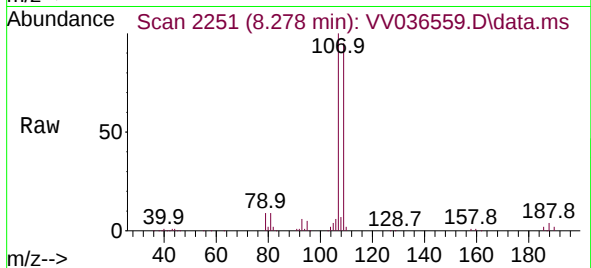




#50
1,2-Dibromoethane
Concen: 26.589 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

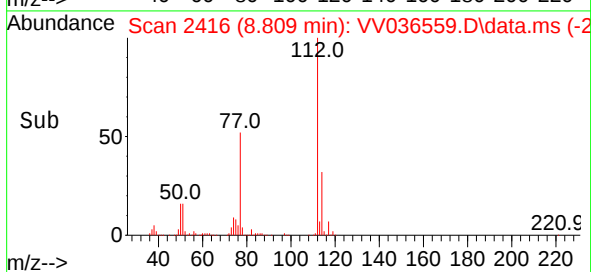
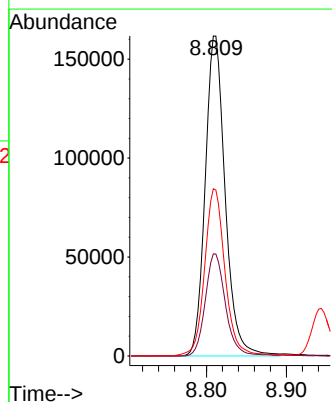
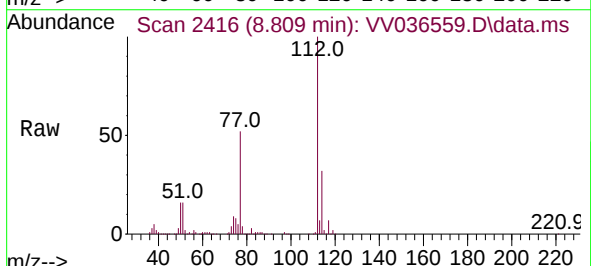
Instrument :
MSVOA_V
ClientSampleId :

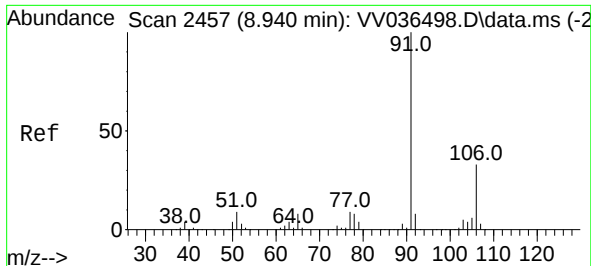
Tgt Ion:107 Resp: 88601
Ion Ratio Lower Upper
107 100
109 94.6 66.2 123.0
188 4.1 3.4 5.0



#51
Chlorobenzene
Concen: 24.899 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. -0.000 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Tgt Ion:112 Resp: 282106
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.9
77 52.2 43.0 64.6





#52

Ethylbenzene

Concen: 25.652 ug/L

RT: 8.944 min Scan# 2457

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

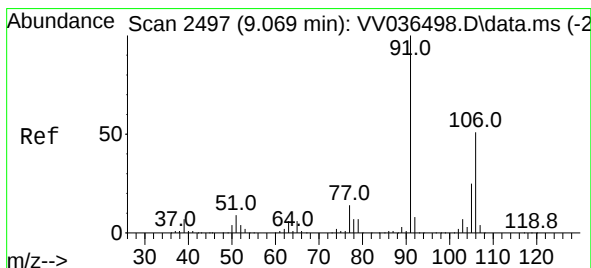
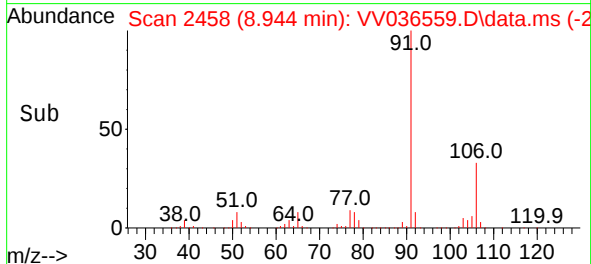
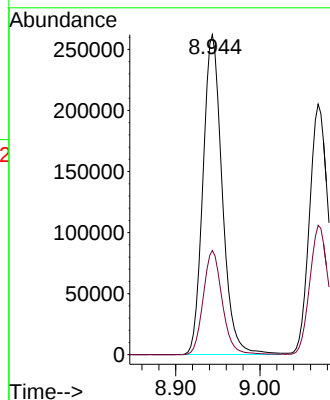
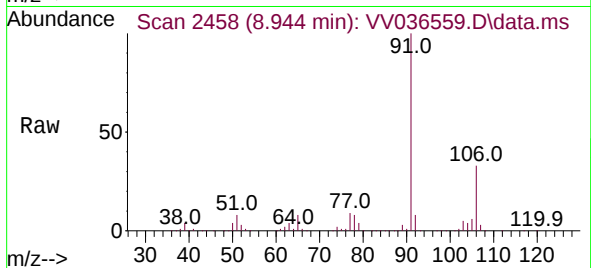
ClientSampleId :

Tgt Ion: 91 Resp: 416291

Ion Ratio Lower Upper

91 100

106 32.6 22.6 42.0



#53

m,p-Xylene

Concen: 27.200 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.000 min

Lab File: VV036559.D

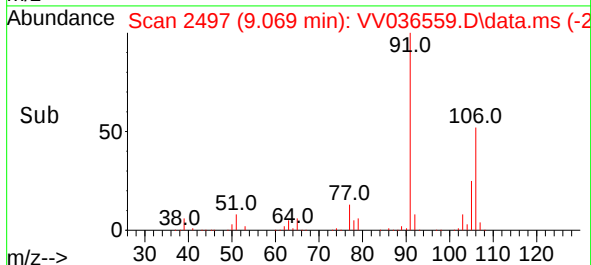
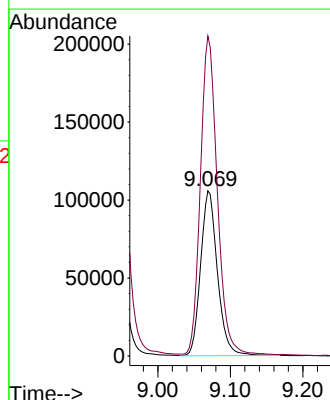
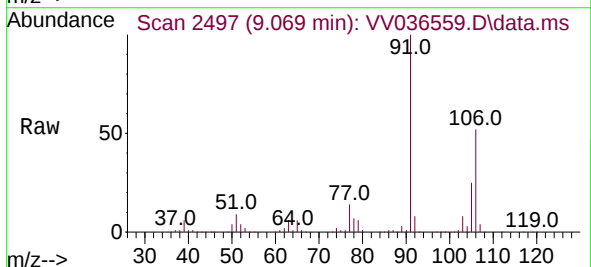
Acq: 16 Jul 2024 09:48

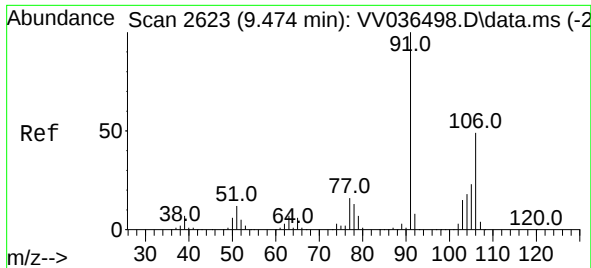
Tgt Ion:106 Resp: 169944

Ion Ratio Lower Upper

106 100

91 193.9 137.1 254.7

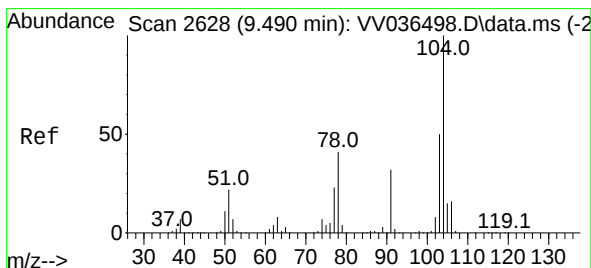
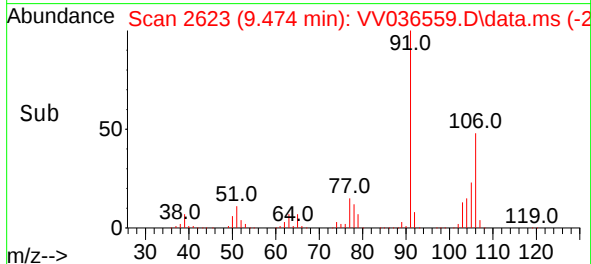
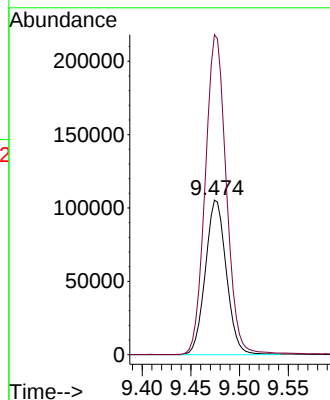
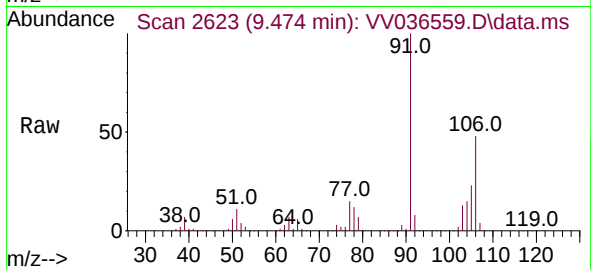




#54
o-Xylene
Concen: 26.587 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. -0.003 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

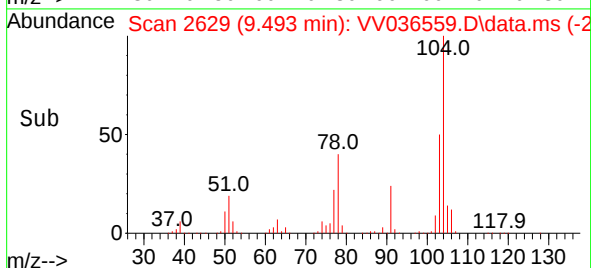
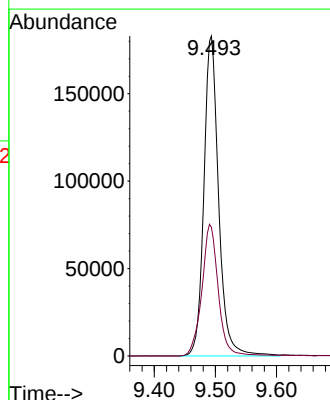
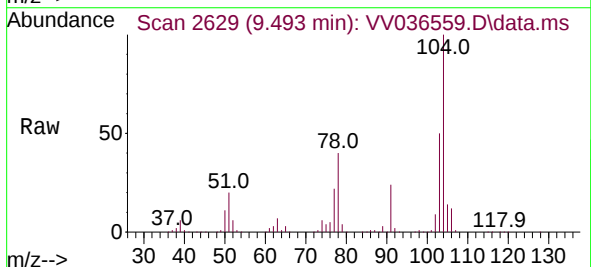
Instrument :
MSVOA_V
ClientSampleId :

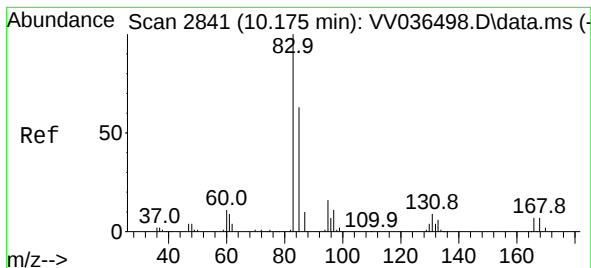
Tgt Ion:106 Resp: 158156
Ion Ratio Lower Upper
106 100
91 207.0 147.3 273.6



#55
Styrene
Concen: 28.848 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Tgt Ion:104 Resp: 307035
Ion Ratio Lower Upper
104 100
78 40.3 28.8 53.6

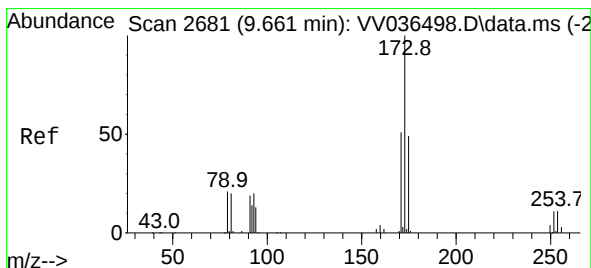
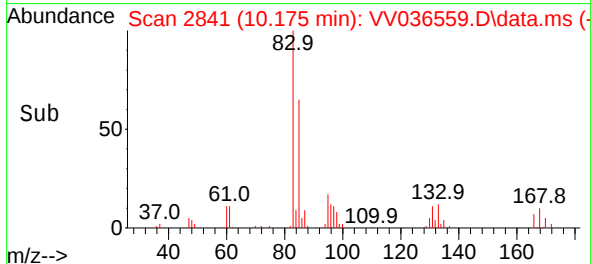
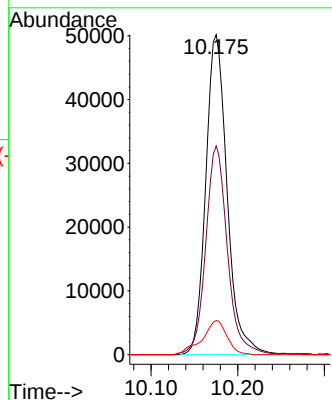
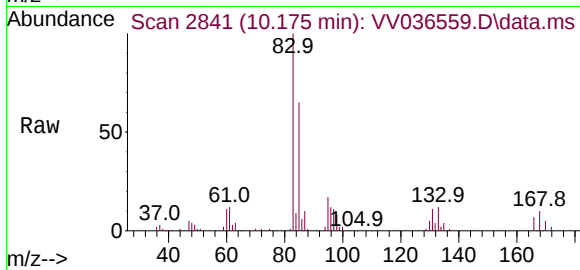




#57
1,1,2,2-Tetrachloroethane
Concen: 26.536 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

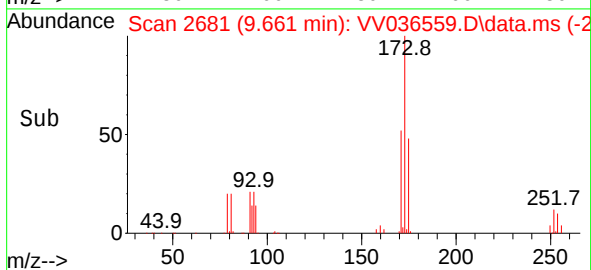
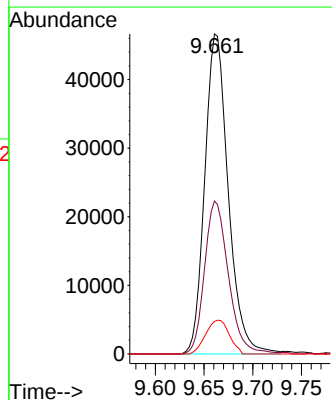
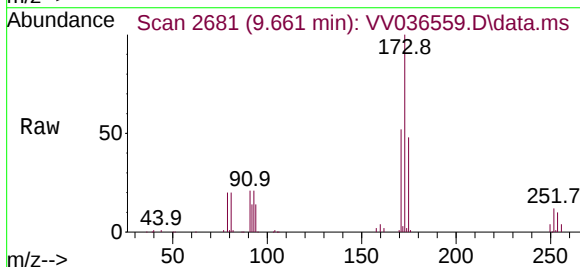
Instrument :
MSVOA_V
ClientSampleId :

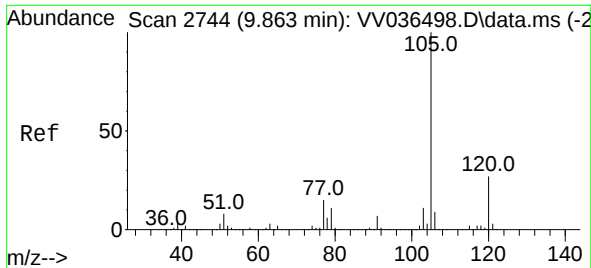
Tgt Ion: 83 Resp: 86035
Ion Ratio Lower Upper
83 100
85 65.2 45.0 83.6
131 10.7 8.1 12.1



#59
Bromoform
Concen: 25.826 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. -0.000 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

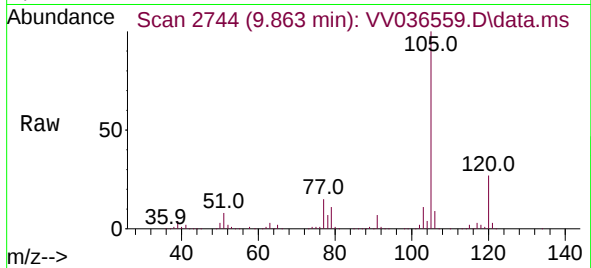
Tgt Ion: 173 Resp: 78249
Ion Ratio Lower Upper
173 100
175 48.4 37.6 56.4
254 10.6 8.2 12.4



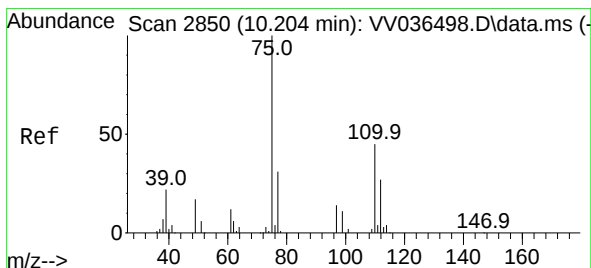
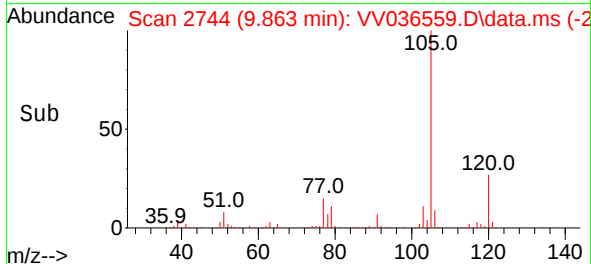
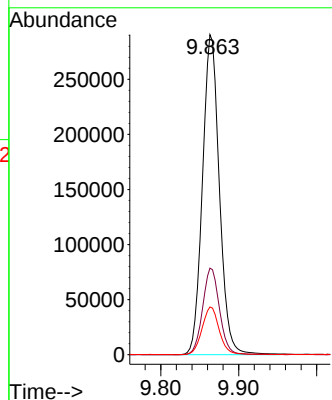


#60
Isopropylbenzene
Concen: 25.644 ug/L
RT: 9.863 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Instrument :
MSVOA_V
ClientSampleId :

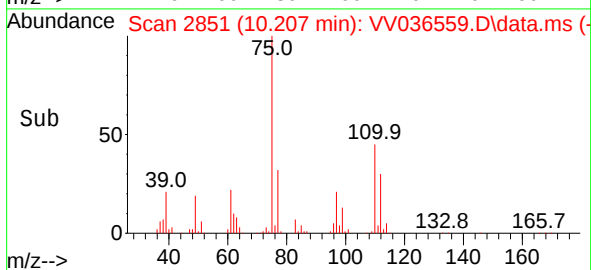
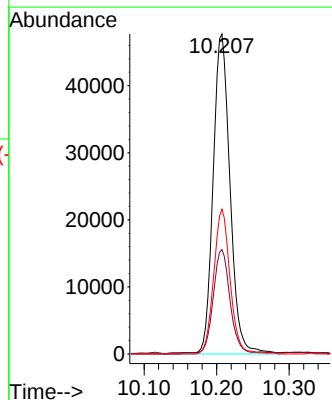
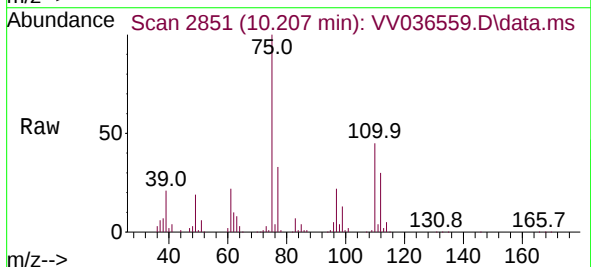


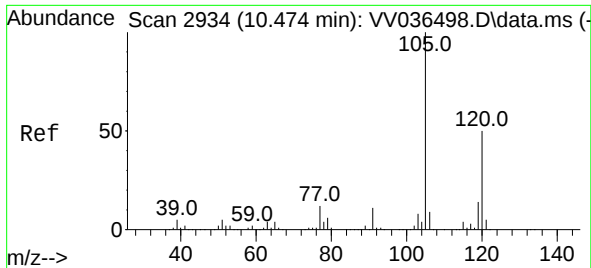
Tgt Ion:105 Resp: 437966
Ion Ratio Lower Upper
105 100
120 26.9 21.8 32.6
77 15.2 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 25.437 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV036559.D
Acq: 16 Jul 2024 09:48

Tgt Ion: 75 Resp: 77370
Ion Ratio Lower Upper
75 100
77 31.0 25.6 38.4
110 43.6 34.8 52.2





#62

1,3,5-Trimethylbenzene

Concen: 24.709 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

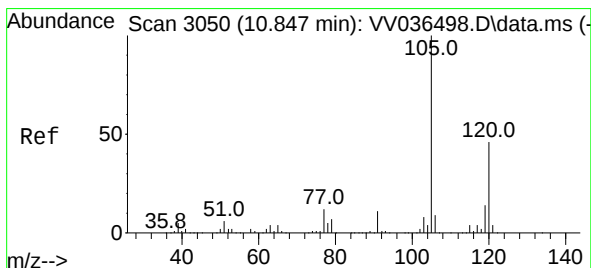
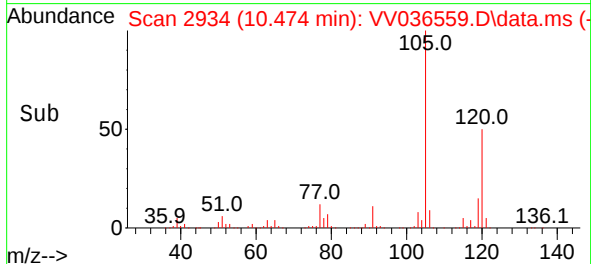
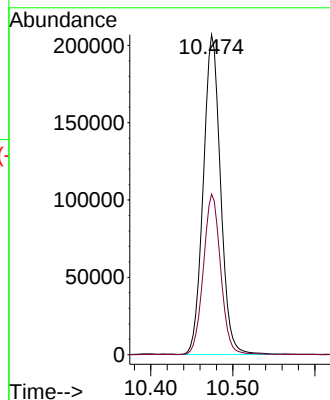
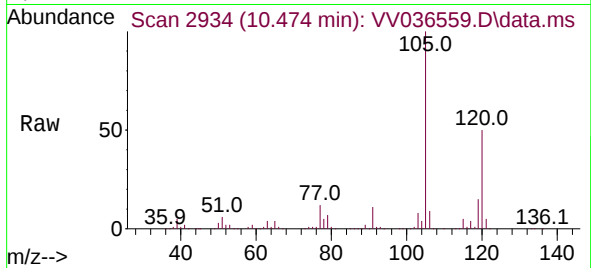
ClientSampleId :

Tgt Ion:105 Resp: 302204

Ion Ratio Lower Upper

105 100

120 50.4 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 25.598 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV036559.D

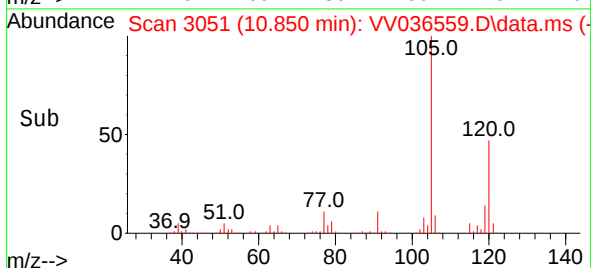
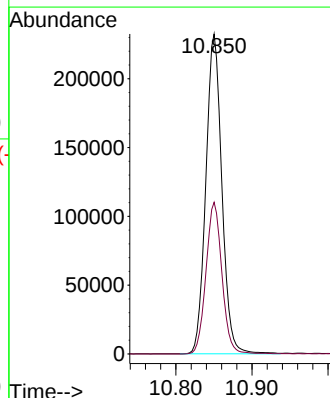
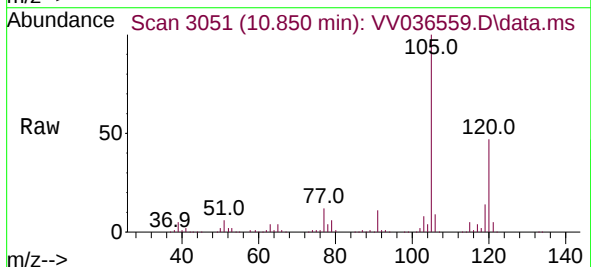
Acq: 16 Jul 2024 09:48

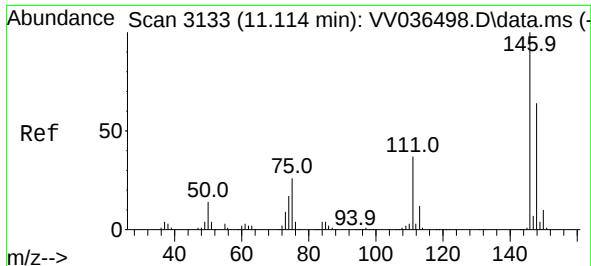
Tgt Ion:105 Resp: 340658

Ion Ratio Lower Upper

105 100

120 47.0 37.0 55.4





#64

1,3-Dichlorobenzene

Concen: 25.510 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

ClientSampleId :

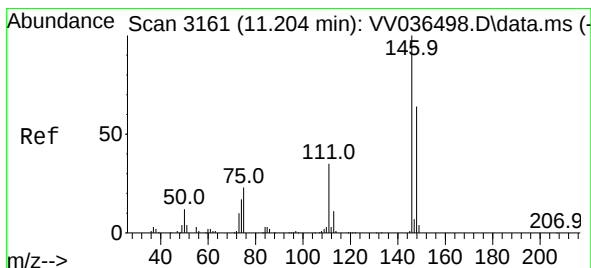
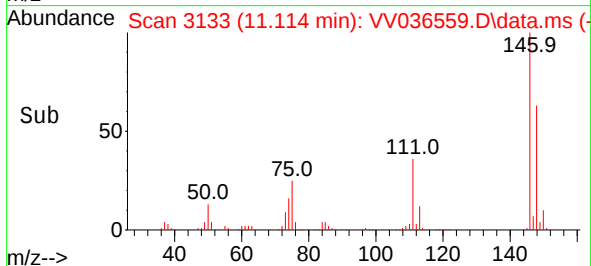
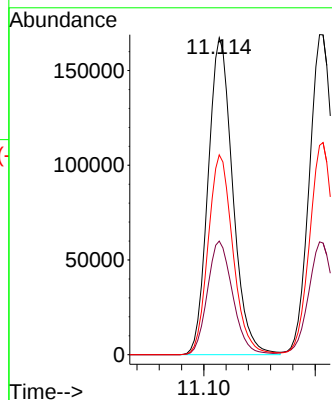
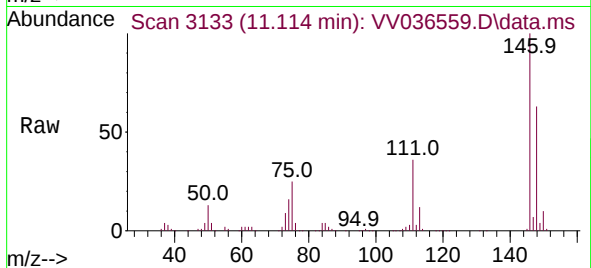
Tgt Ion:146 Resp: 257551

Ion Ratio Lower Upper

146 100

111 35.9 25.8 47.8

148 63.0 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 24.860 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

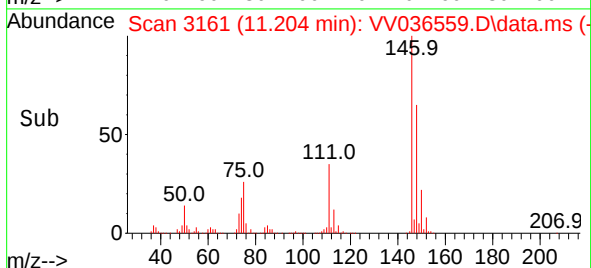
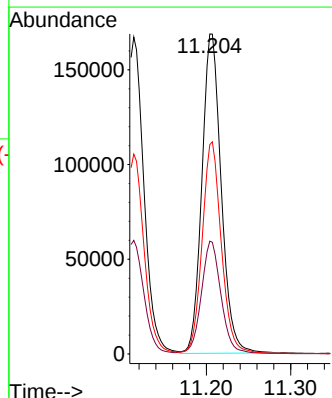
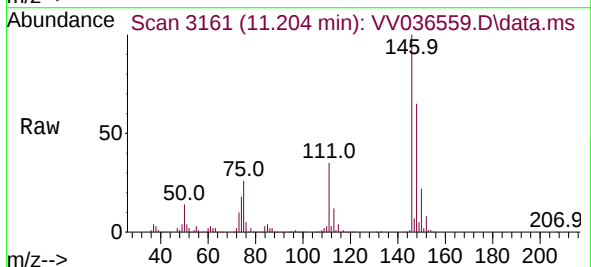
Tgt Ion:146 Resp: 269515

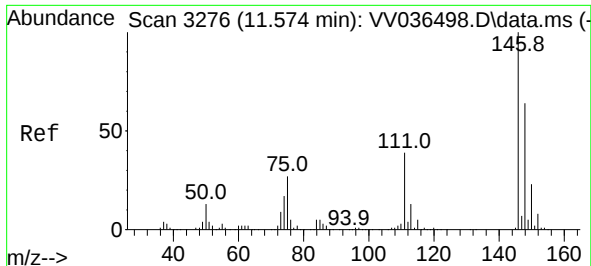
Ion Ratio Lower Upper

146 100

111 35.3 25.2 46.8

148 65.4 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 25.357 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

ClientSampleId :

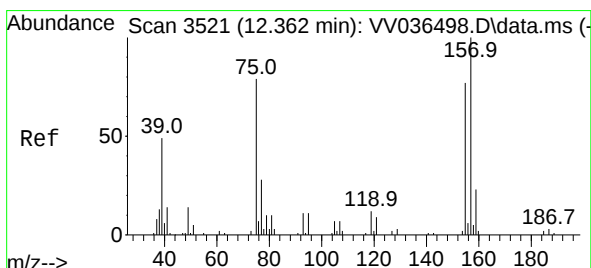
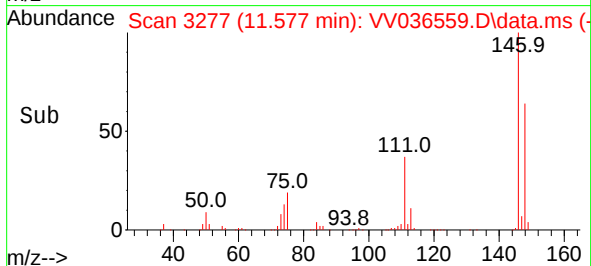
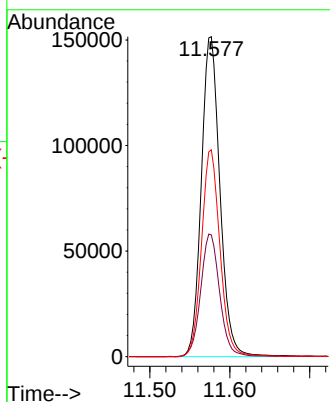
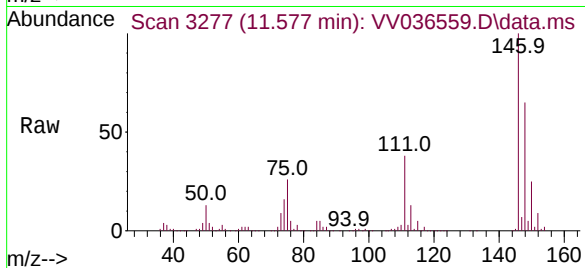
Tgt Ion:146 Resp: 246014

Ion Ratio Lower Upper

146 100

111 38.0 30.8 46.2

148 64.7 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 27.164 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

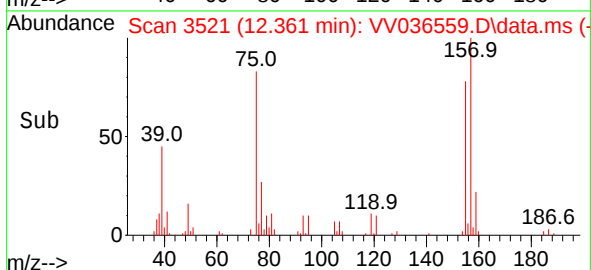
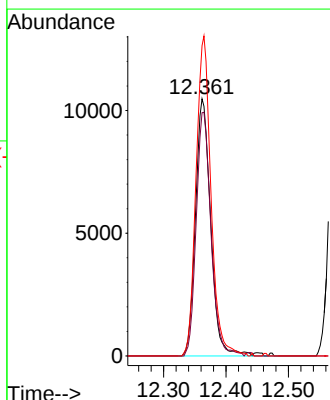
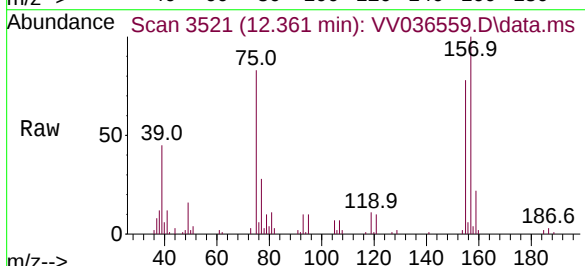
Tgt Ion: 75 Resp: 17876

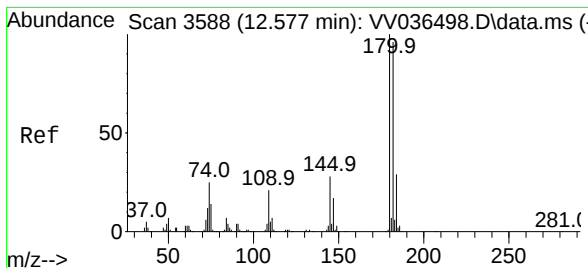
Ion Ratio Lower Upper

75 100

155 94.6 74.6 111.8

157 120.7 95.0 142.4





#69

1,3,5-Trichlorobenzene

Concen: 24.687 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

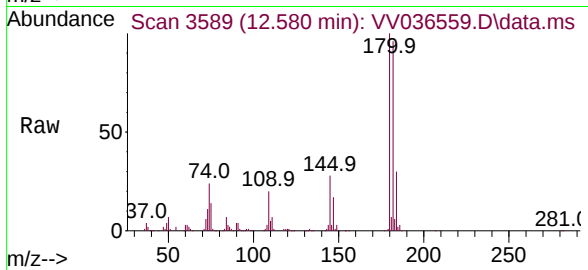
Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 192994

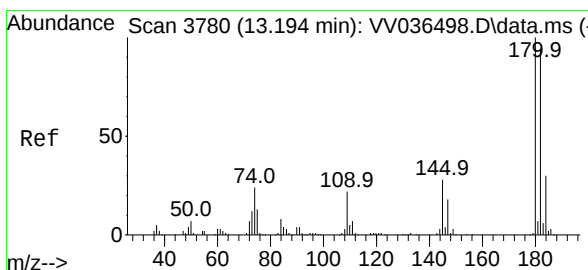
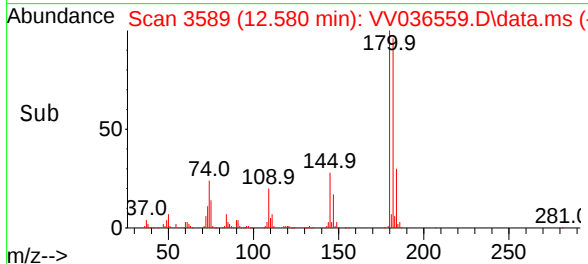
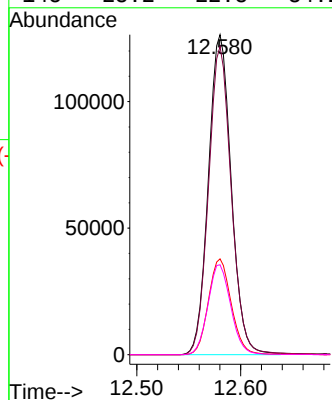
Ion Ratio Lower Upper

180 100

182 96.1 77.4 116.0

184 30.0 24.4 36.6

145 28.2 22.8 34.2



#70

1,2,4-trichlorobenzene

Concen: 24.695 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

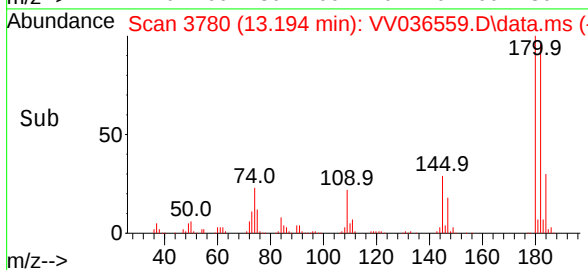
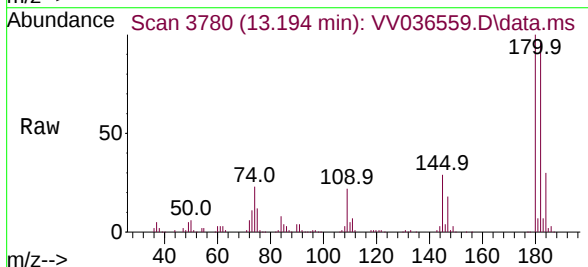
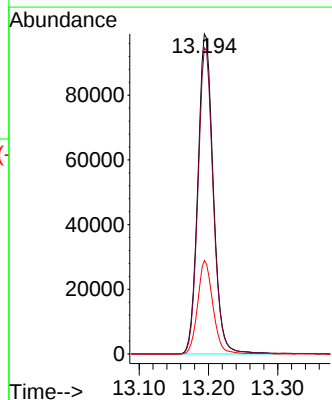
Tgt Ion:180 Resp: 153539

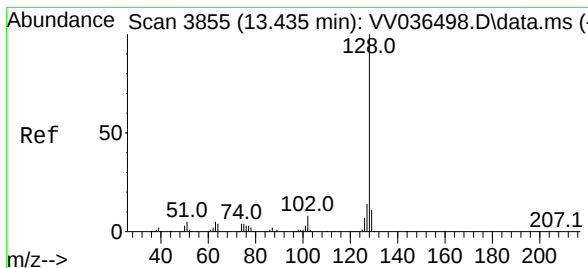
Ion Ratio Lower Upper

180 100

182 94.7 76.7 115.1

145 28.8 23.0 34.6





#71

Naphthalene

Concen: 24.728 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Instrument :

MSVOA_V

ClientSampleId :

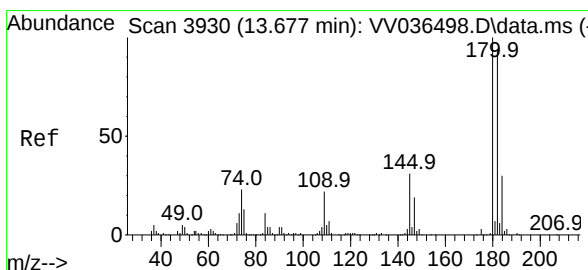
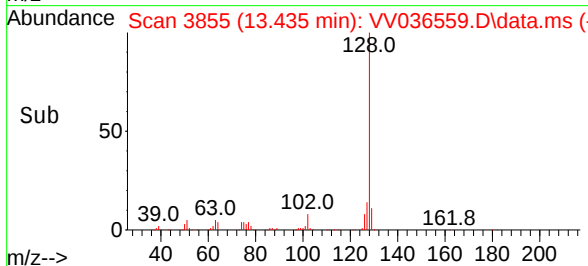
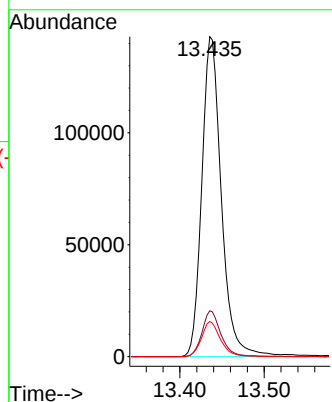
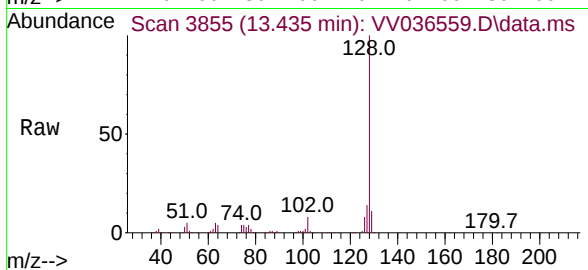
Tgt Ion:128 Resp: 230909

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 26.075 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV036559.D

Acq: 16 Jul 2024 09:48

Tgt Ion:180 Resp: 153383

Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 30.7 24.4 36.6

