

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071124\
 Data File : VV036490.D
 Acq On : 11 Jul 2024 10:50
 Operator : SY/MD
 Sample : VSTD05
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 12 01:10:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 01:09:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	283014	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	296269	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	155996	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	20183	4.978	ug/L	0.00
7) Chloroethane-d5	1.529	69	17980	5.072	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	10669	5.124	ug/L	0.00
21) 2-Butanone-d5	3.892	46	736	1.061	ug/L	0.04
24) Chloroform-d	4.249	84	42782	5.193	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	20575	5.036	ug/L	0.00
32) Benzene-d6	4.960	84	71732	4.853	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	21495	4.383	ug/L	0.00
41) Toluene-d8	7.243	98	60064	4.404	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	8100	4.423	ug/L	0.01
47) 2-Hexanone-d5	8.050	63	2945	5.880	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.153	84	19580	5.278	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	26473	5.001	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	24052	5.864	ug/L	100
3) Chloromethane	1.211	50	19725	5.993	ug/L	99
5) Vinyl chloride	1.278	62	24122	5.956	ug/L	98
6) Bromomethane	1.484	94	19578	5.991	ug/L	99
8) Chloroethane	1.545	64	16424	5.861	ug/L	98
9) Trichlorofluoromethane	1.709	101	41159	5.725	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	26376	5.442	ug/L	96
12) 1,1-Dichloroethene	2.063	96	23947	5.728	ug/L	86
13) Acetone	2.146	43	2392	2.052	ug/L #	52
14) Carbon disulfide	2.233	76	61190	6.518	ug/L	99
15) Methyl Acetate	2.388	43	6547	5.044	ug/L #	86
16) Methylene chloride	2.442	84	32831	5.640	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	20778	5.469	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	39451	4.634	ug/L	98
19) 1,1-Dichloroethane	3.108	63	36276	5.275	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	19668	4.899	ug/L	98
22) 2-Butanone	3.908	43	178	0.234	ug/L #	70
23) Bromochloromethane	4.153	128	12132	5.409	ug/L	99
25) Chloroform	4.275	83	43150	5.284	ug/L	96
27) 1,2-Dichloroethane	5.050	62	23245	5.067	ug/L	99
29) Cyclohexane	4.577	56	17819	4.728	ug/L	97
30) 1,1,1-Trichloroethane	4.506	97	36291	5.269	ug/L	100
31) Carbon tetrachloride	4.728	117	32595	5.336	ug/L	100
33) Benzene	5.011	78	73944	5.043	ug/L	100
34) Trichloroethene	5.834	95	24127	5.171	ug/L	99
35) Methylcyclohexane	6.043	83	25830	4.851	ug/L	95
37) 1,2-Dichloropropane	6.095	63	18038	4.875	ug/L #	95
38) Bromodichloromethane	6.436	83	29563	5.042	ug/L #	99
39) cis-1,3-Dichloropropene	6.960	75	25216	4.419	ug/L	99
40) 4-Methyl-2-pentanone	7.172	43	13273	8.304	ug/L	94
42) Toluene	7.317	91	72723	4.681	ug/L	94
44) trans-1,3-Dichloropropene	7.587	75	21877	4.300	ug/L	99

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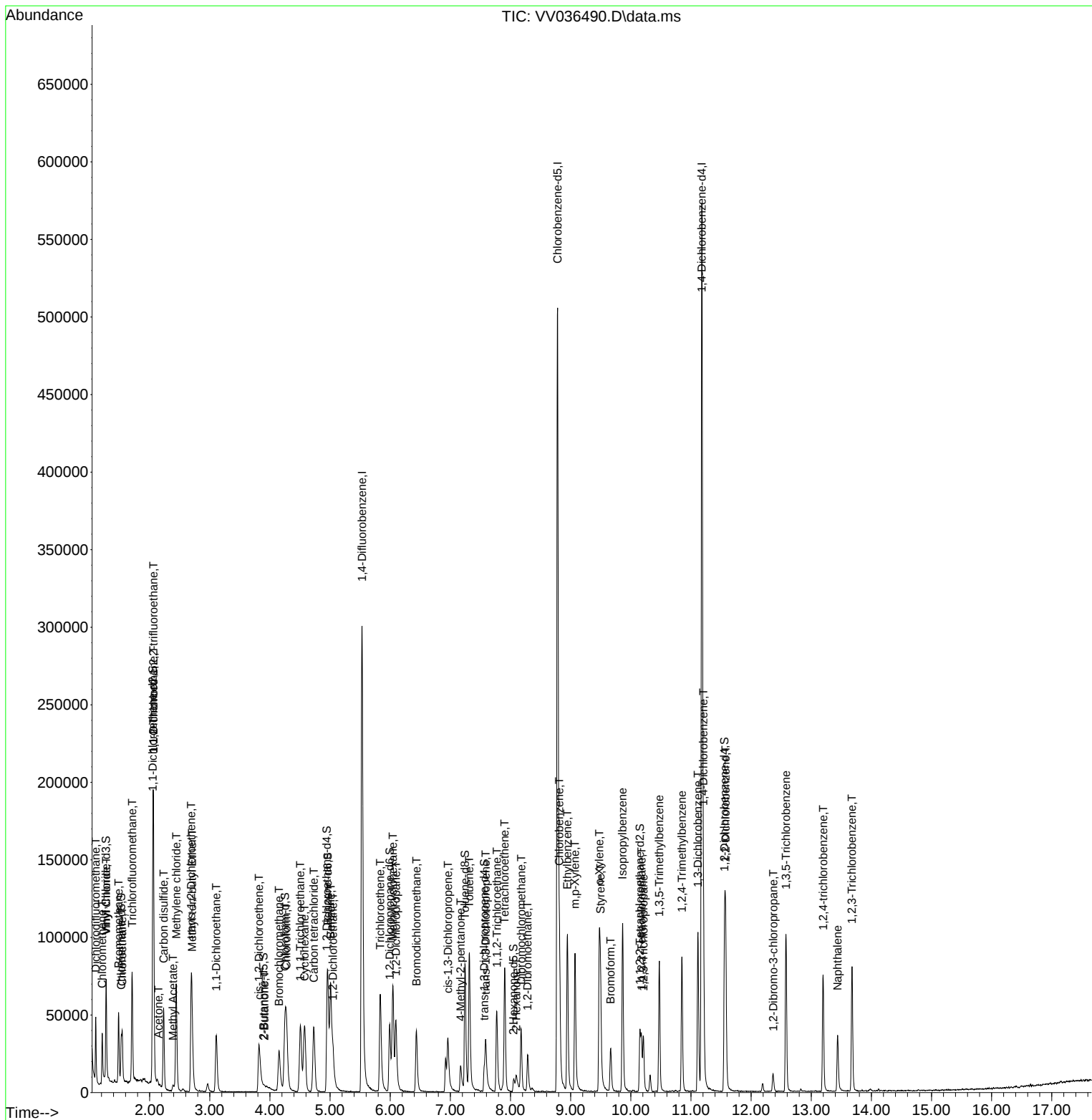
Quant Time: Jul 12 01:10:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 01:09:21 2024
 Response via : Initial Calibration

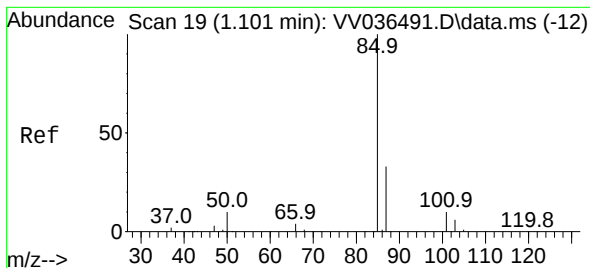
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.773	97	18412	5.050	ug/L	97
46) Tetrachloroethene	7.902	164	20554	5.449	ug/L	99
48) 2-Hexanone	8.098	43	7343	5.860	ug/L #	83
49) Dibromochloromethane	8.178	129	22069	5.005	ug/L	95
50) 1,2-Dibromoethane	8.284	107	16659	4.868	ug/L	99
51) Chlorobenzene	8.812	112	58396	5.019	ug/L	99
52) Ethylbenzene	8.947	91	72710	4.363	ug/L	100
53) m,p-Xylene	9.072	106	27286	4.253	ug/L	93
54) o-Xylene	9.477	106	25023	4.096	ug/L	99
55) Styrene	9.497	104	42306	3.897	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	16704	5.017	ug/L	93
59) Bromoform	9.664	173	14411	5.212	ug/L #	96
60) Isopropylbenzene	9.863	105	67810	4.351	ug/L	97
61) 1,2,3-Trichloropropane	10.210	75	14698	5.296	ug/L	96
62) 1,3,5-Trimethylbenzene	10.474	105	43284	3.878	ug/L	97
63) 1,2,4-Trimethylbenzene	10.850	105	46443	3.824	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	45055	4.890	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	49774	5.031	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	43475	4.911	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	3040	5.062	ug/L	89
69) 1,3,5-Trichlorobenzene	12.580	180	34366	4.818	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	24648	4.344	ug/L	97
71) Naphthalene	13.439	128	32987	3.871	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	24317	4.530	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 5.864 ug/L

RT: 1.105 min Scan# 20

Delta R.T. 0.003 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Instrument :

MSVOA_V

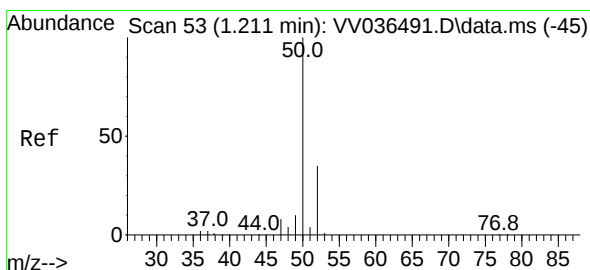
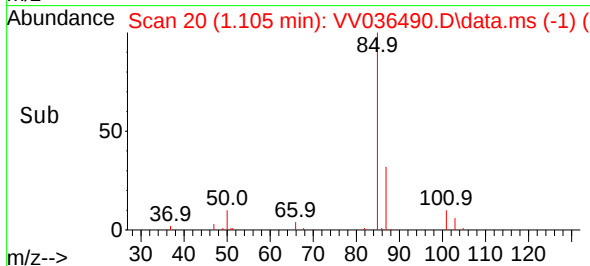
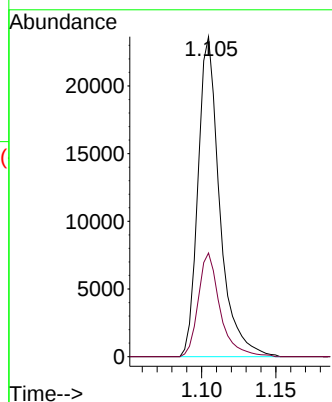
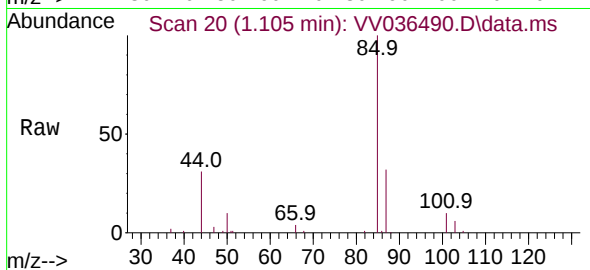
ClientSampleId :

Tgt Ion: 85 Resp: 24052

Ion Ratio Lower Upper

85 100

87 32.5 26.2 39.2



#3

Chloromethane

Concen: 5.993 ug/L

RT: 1.211 min Scan# 53

Delta R.T. 0.000 min

Lab File: VV036490.D

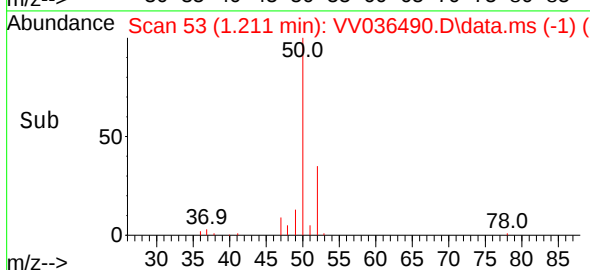
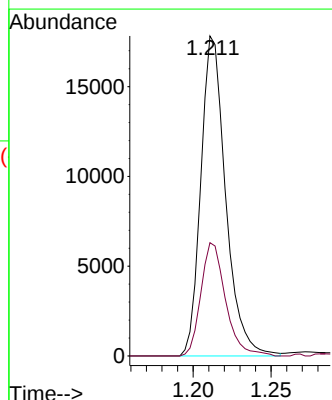
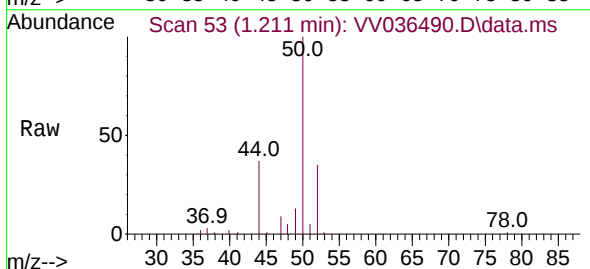
Acq: 11 Jul 2024 10:50

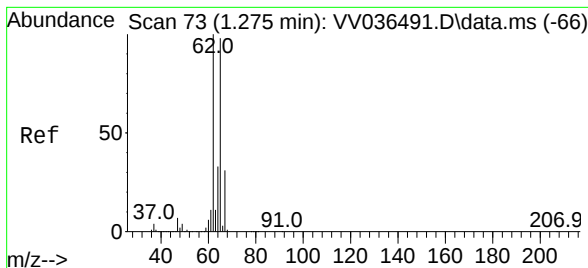
Tgt Ion: 50 Resp: 19725

Ion Ratio Lower Upper

50 100

52 35.4 24.4 45.4





#5

Vinyl chloride

Concen: 5.956 ug/L

RT: 1.278 min Scan# 74

Delta R.T. 0.003 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Instrument :

MSVOA_V

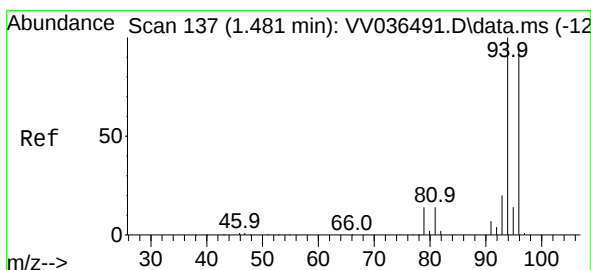
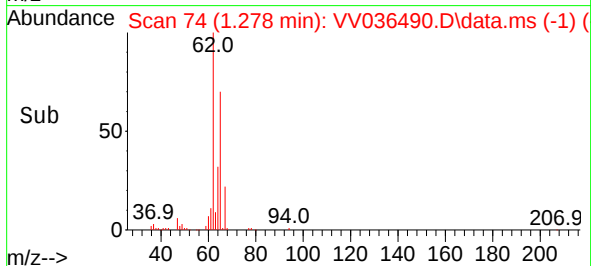
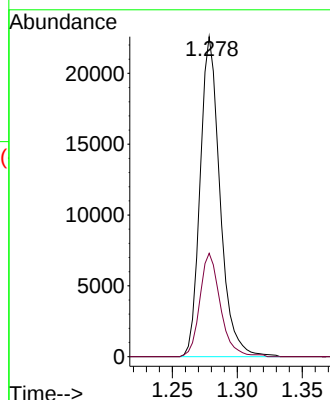
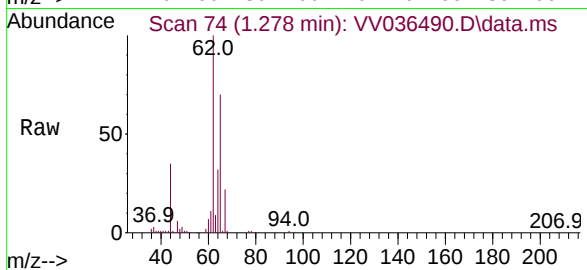
ClientSampleId :

Tgt Ion: 62 Resp: 24122

Ion Ratio Lower Upper

62 100

64 32.3 23.4 43.4



#6

Bromomethane

Concen: 5.991 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.003 min

Lab File: VV036490.D

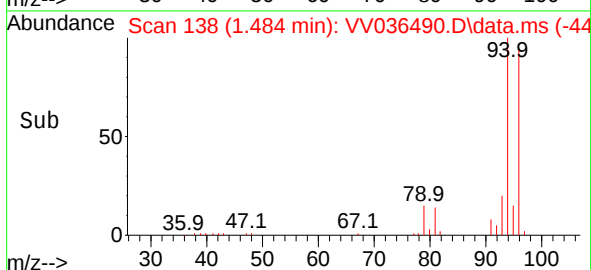
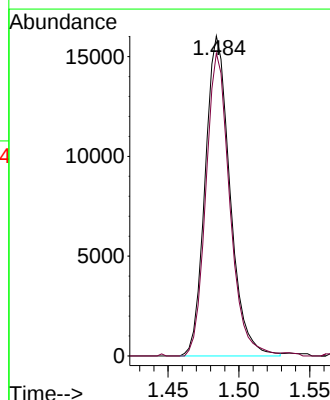
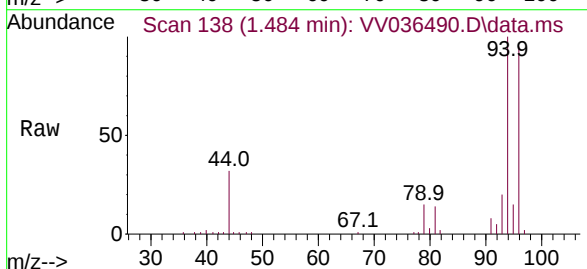
Acq: 11 Jul 2024 10:50

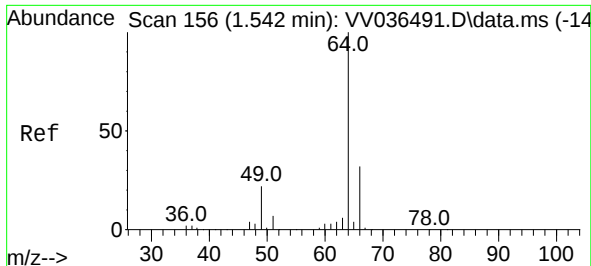
Tgt Ion: 94 Resp: 19578

Ion Ratio Lower Upper

94 100

96 94.7 65.6 121.8

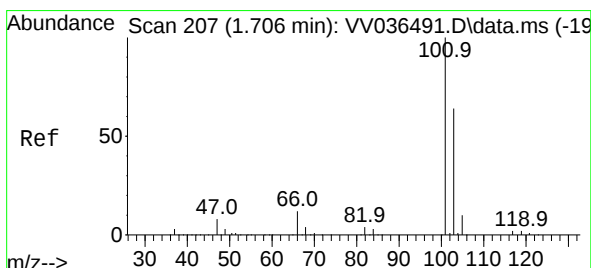
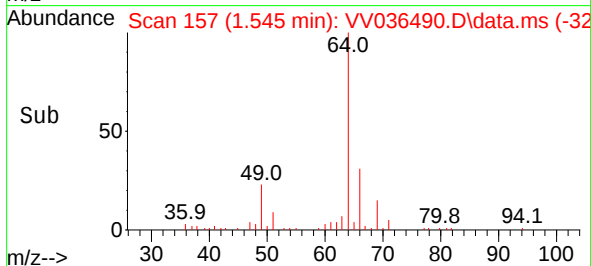
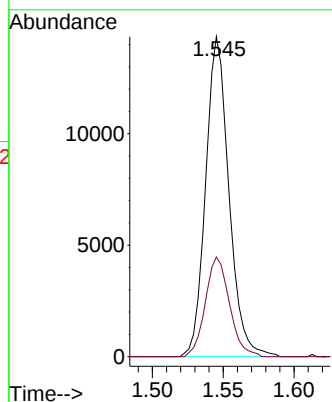
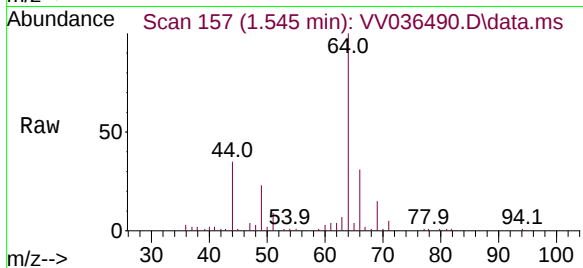




#8
Chloroethane
Concen: 5.861 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

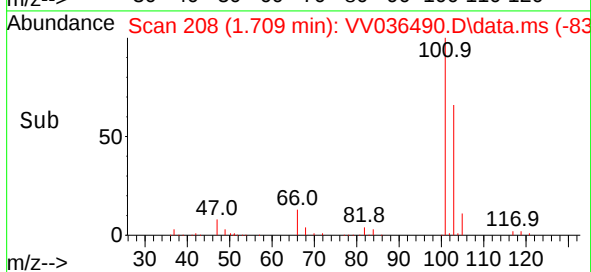
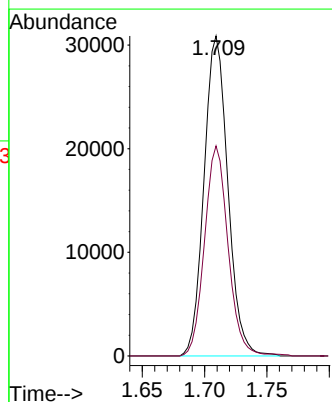
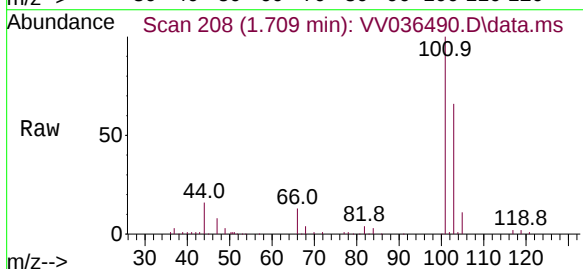
Instrument :
MSVOA_V
ClientSampleId :

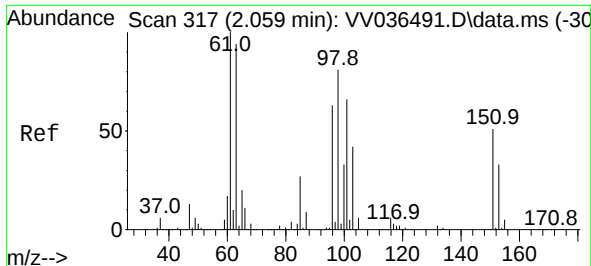
Tgt Ion: 64 Resp: 16424
Ion Ratio Lower Upper
64 100
66 31.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 5.725 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.003 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

Tgt Ion:101 Resp: 41159
Ion Ratio Lower Upper
101 100
103 64.6 51.9 77.9

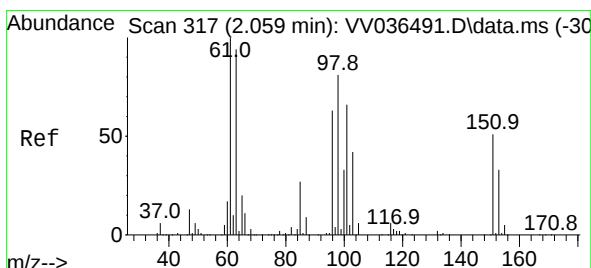
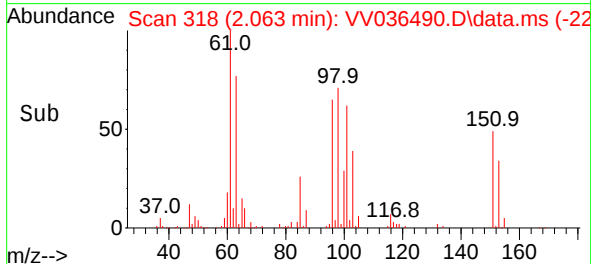
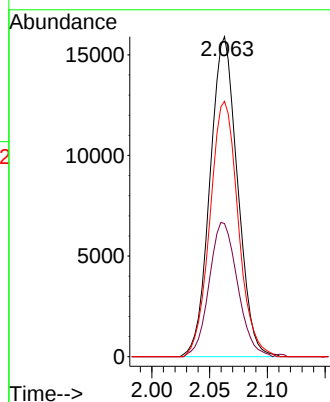
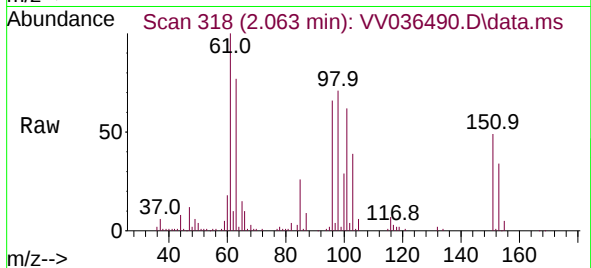




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.442 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.003 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

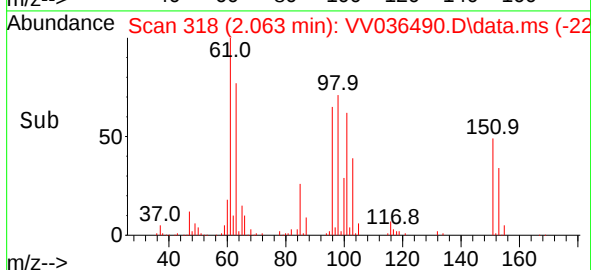
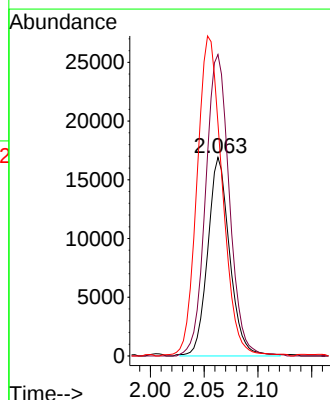
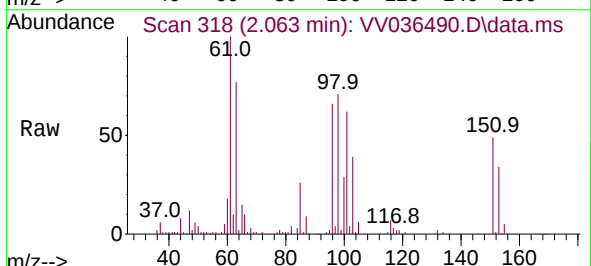
Instrument :
MSVOA_V
ClientSampleId :

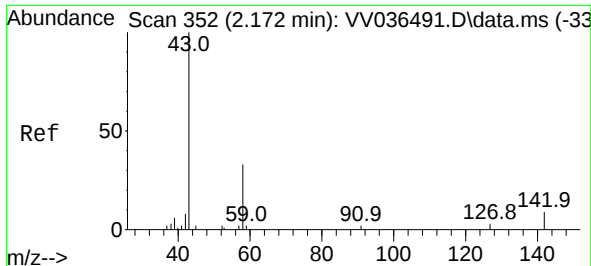
Tgt Ion:101 Resp: 26376
Ion Ratio Lower Upper
101 100
85 43.3 32.5 48.7
151 81.8 62.6 94.0



#12
1,1-Dichloroethene
Concen: 5.728 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.003 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

Tgt Ion: 96 Resp: 23947
Ion Ratio Lower Upper
96 100
61 151.9 110.8 205.8
63 117.2 103.9 192.9





#13

Acetone

Concen: 2.052 ug/L

RT: 2.146 min Scan# 344

Delta R.T. -0.026 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Instrument :

MSVOA_V

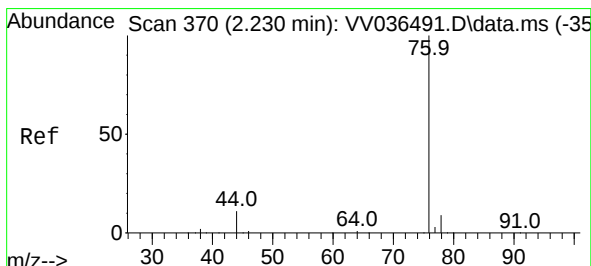
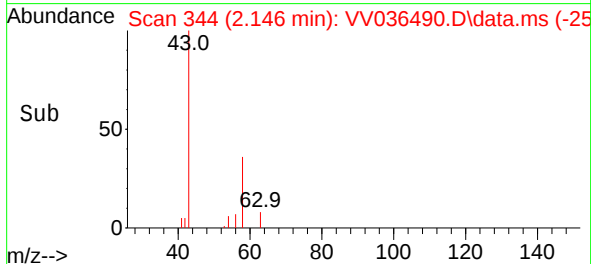
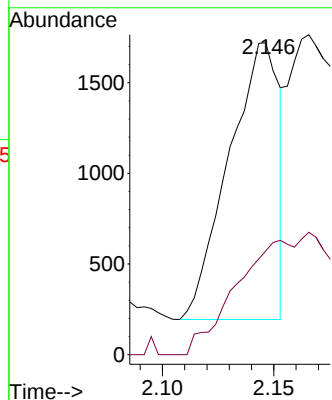
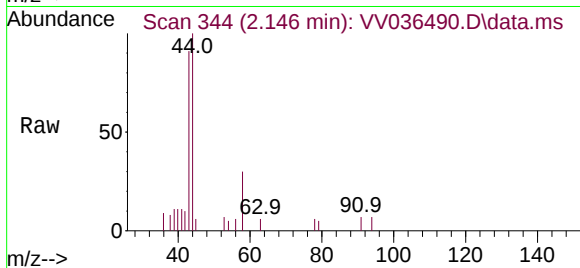
ClientSampleId :

Tgt Ion: 43 Resp: 2392

Ion Ratio Lower Upper

43 100

58 33.6 0.0 28.4#



#14

Carbon disulfide

Concen: 6.518 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.003 min

Lab File: VV036490.D

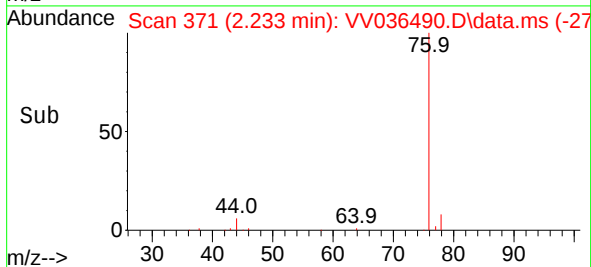
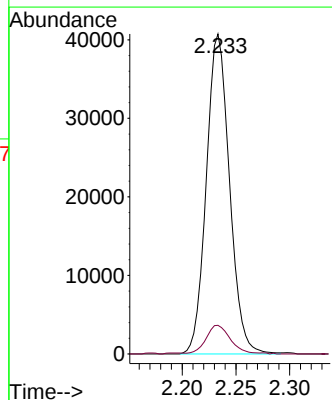
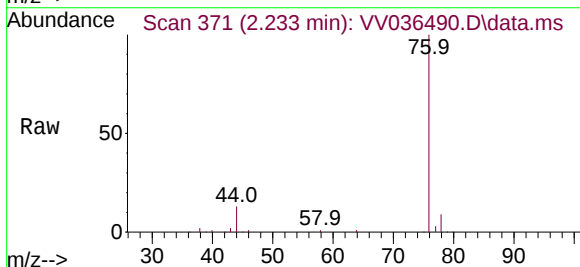
Acq: 11 Jul 2024 10:50

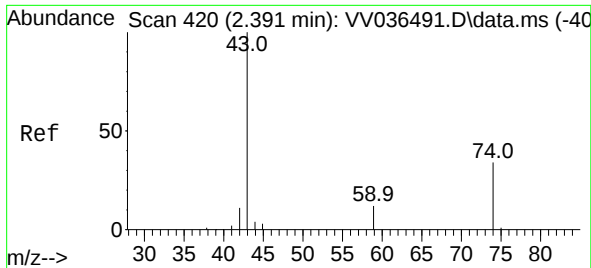
Tgt Ion: 76 Resp: 61190

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

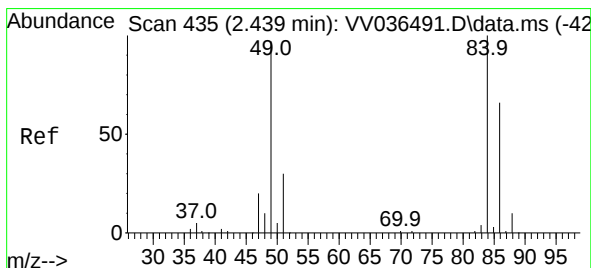
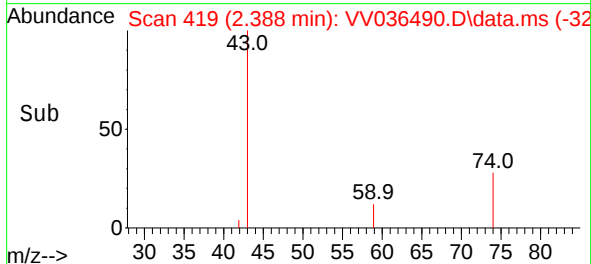
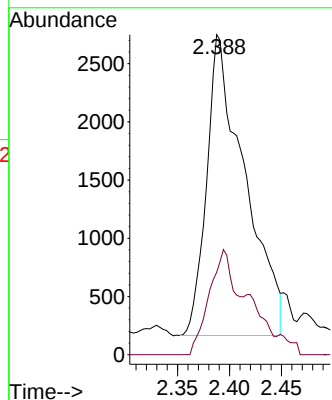
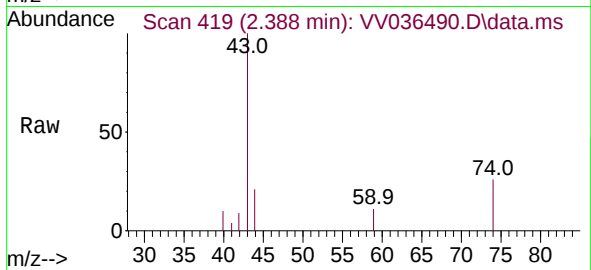




#15
Methyl Acetate
Concen: 5.044 ug/L
RT: 2.388 min Scan# 419
Delta R.T. -0.003 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

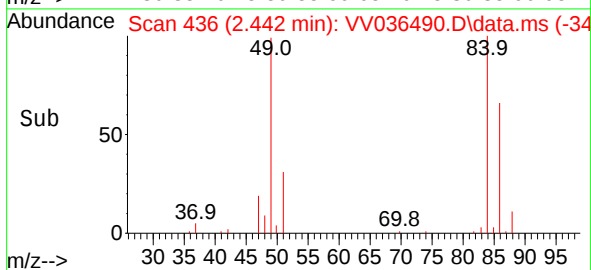
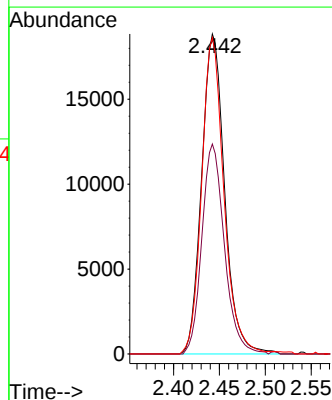
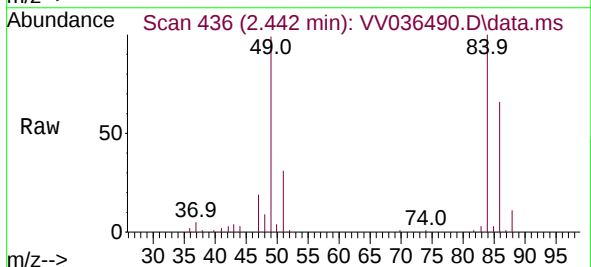
Instrument :
MSVOA_V
ClientSampleId :

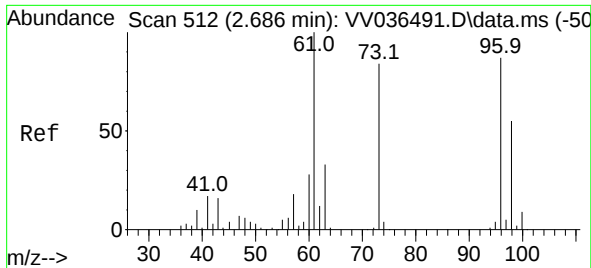
Tgt Ion: 43 Resp: 6547
Ion Ratio Lower Upper
43 100
74 24.8 26.3 39.5#



#16
Methylene chloride
Concen: 5.640 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

Tgt Ion: 84 Resp: 32831
Ion Ratio Lower Upper
84 100
86 65.6 46.3 86.1
49 98.9 68.1 126.5

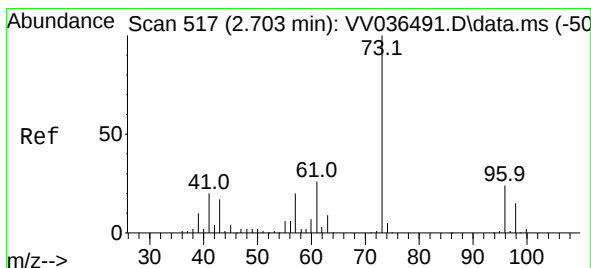
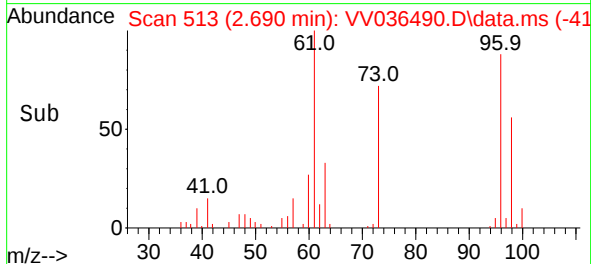
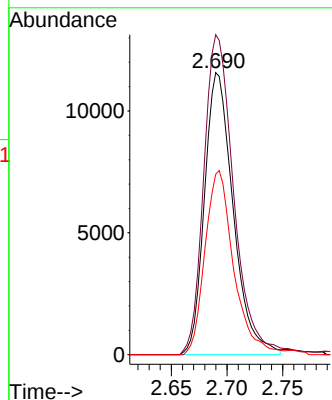
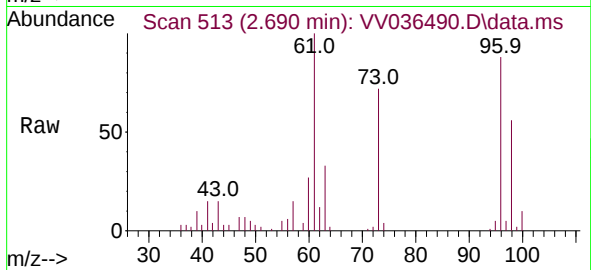




#17
trans-1,2-Dichloroethene
Concen: 5.469 ug/L
RT: 2.690 min Scan# 512
Delta R.T. 0.003 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

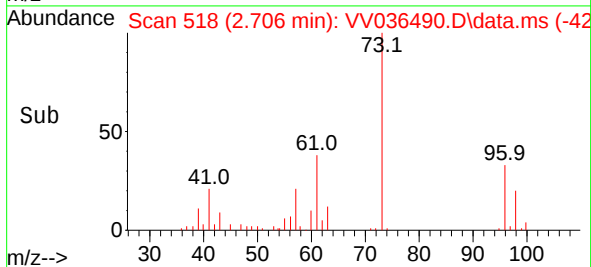
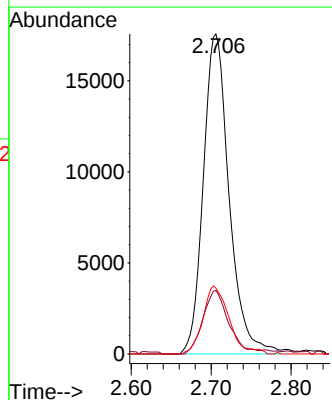
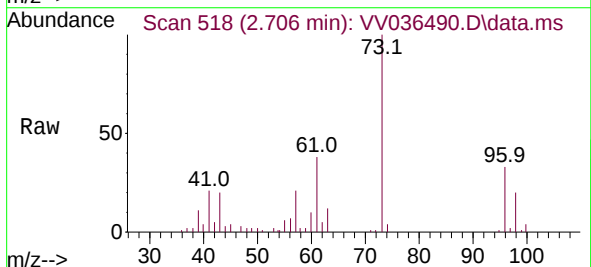
Instrument :
MSVOA_V
ClientSampleId :

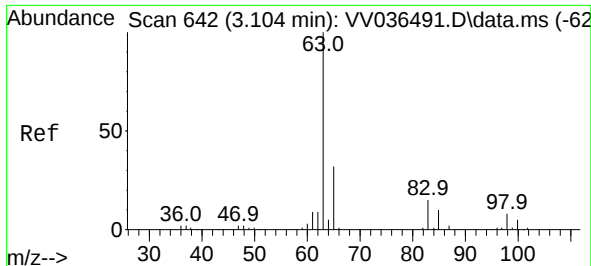
Tgt Ion: 96 Resp: 20778
Ion Ratio Lower Upper
96 100
61 113.5 80.7 149.9
98 64.0 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 4.634 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

Tgt Ion: 73 Resp: 39451
Ion Ratio Lower Upper
73 100
43 19.3 14.3 21.5
57 20.9 16.5 24.7

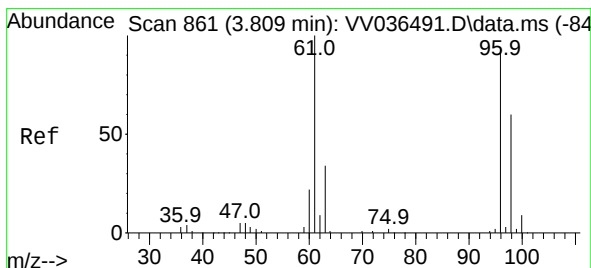
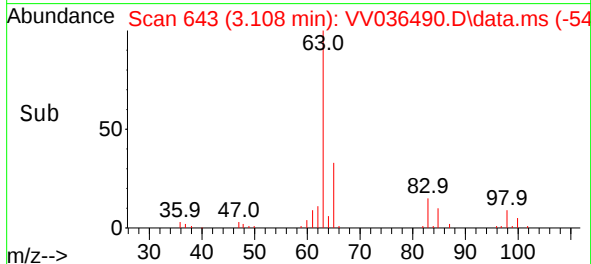
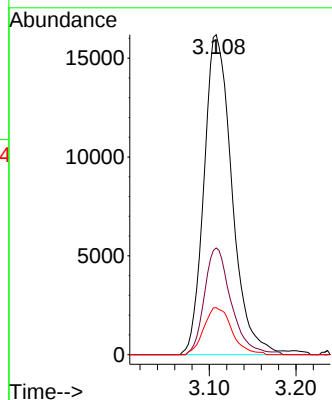
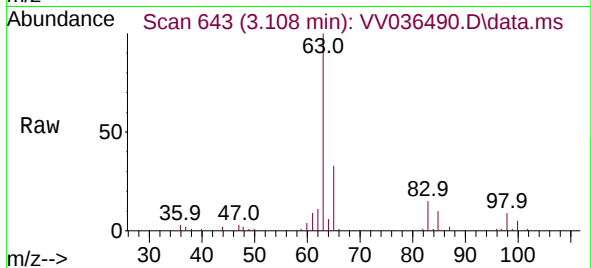




#19
1,1-Dichloroethane
Concen: 5.275 ug/L
RT: 3.108 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

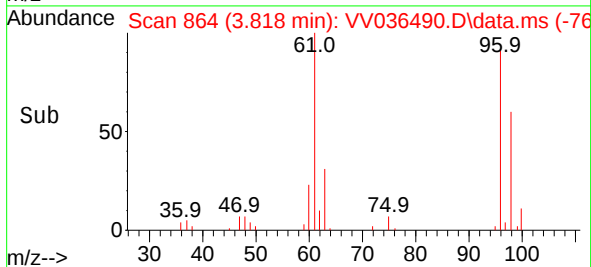
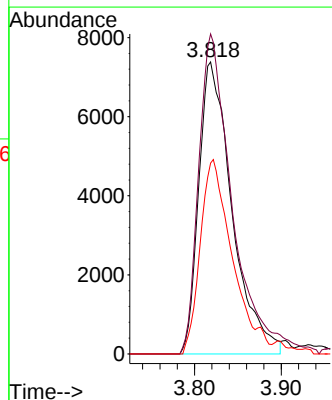
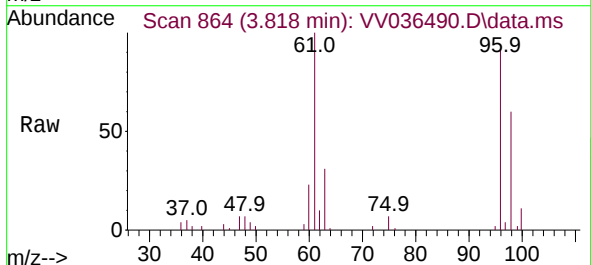
Instrument :
MSVOA_V
ClientSampleId :

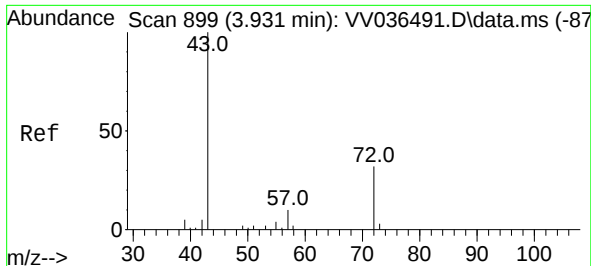
Tgt Ion: 63 Resp: 36276
Ion Ratio Lower Upper
63 100
65 33.4 22.7 42.1
83 14.7 10.9 20.2



#20
cis-1,2-Dichloroethene
Concen: 4.899 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.010 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

Tgt Ion: 96 Resp: 19668
Ion Ratio Lower Upper
96 100
61 109.6 74.8 138.8
98 65.4 45.2 84.0





#22

2-Butanone

Concen: 0.234 ug/L

RT: 3.908 min Scan# 899

Delta R.T. -0.022 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Instrument :

MSVOA_V

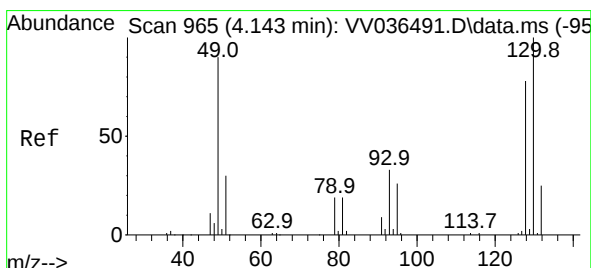
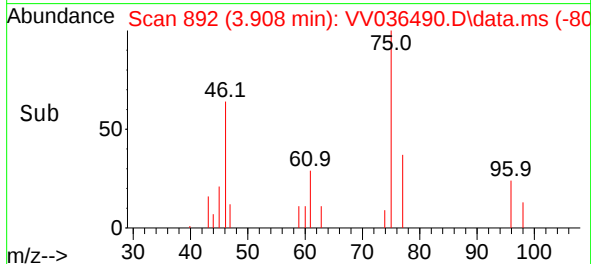
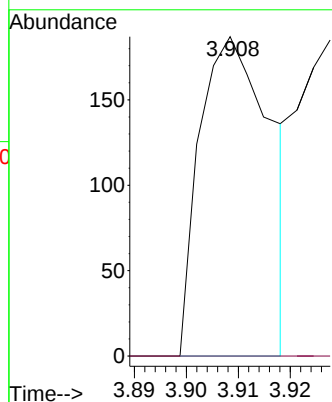
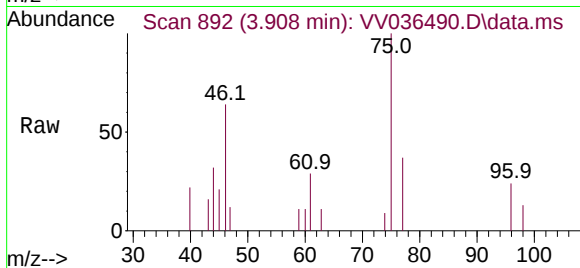
ClientSampleId :

Tgt Ion: 43 Resp: 178

Ion Ratio Lower Upper

43 100

72 0.0 5.9 17.6#



#23

Bromochloromethane

Concen: 5.409 ug/L

RT: 4.153 min Scan# 968

Delta R.T. 0.010 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Tgt Ion: 128 Resp: 12132

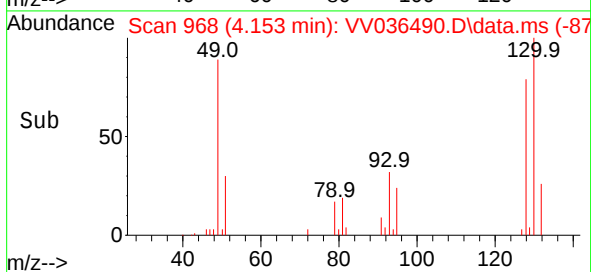
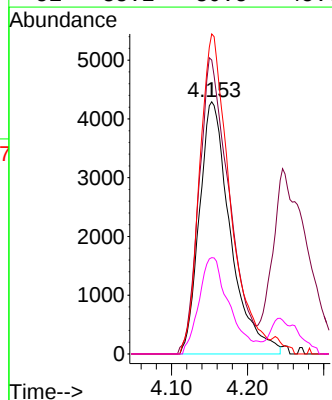
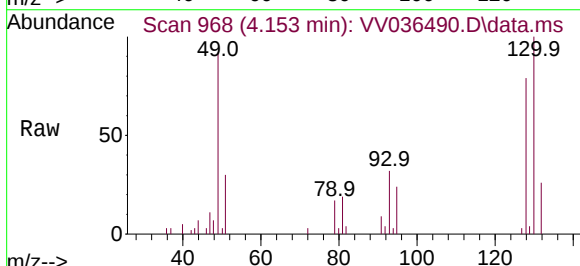
Ion Ratio Lower Upper

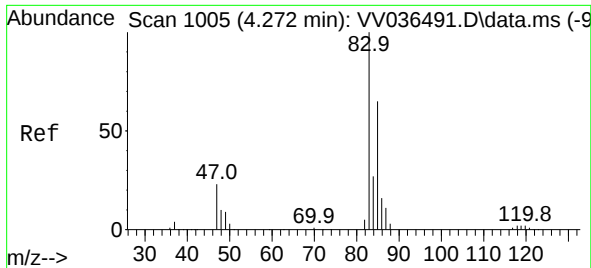
128 100

49 116.5 80.7 149.9

130 126.9 89.9 167.0

51 38.2 30.5 45.7





#25

Chloroform

Concen: 5.284 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Instrument :

MSVOA_V

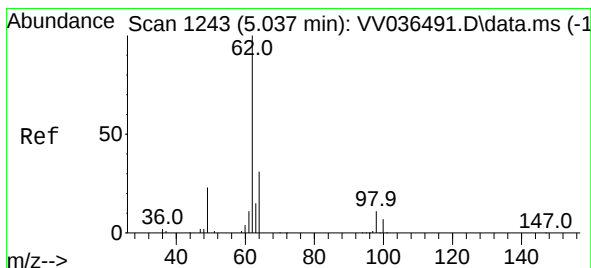
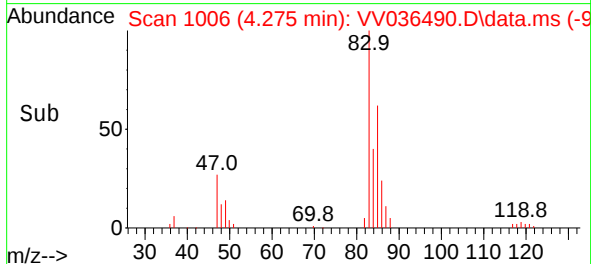
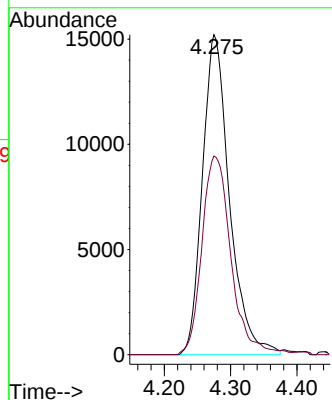
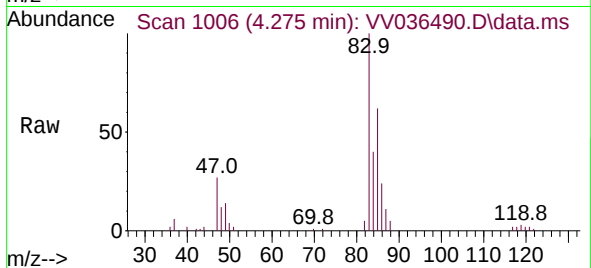
ClientSampleId :

Tgt Ion: 83 Resp: 43150

Ion Ratio Lower Upper

83 100

85 62.1 45.6 84.6



#27

1,2-Dichloroethane

Concen: 5.067 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.013 min

Lab File: VV036490.D

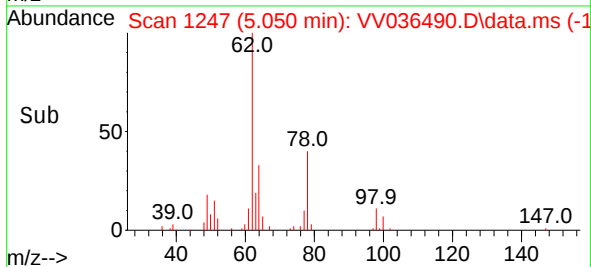
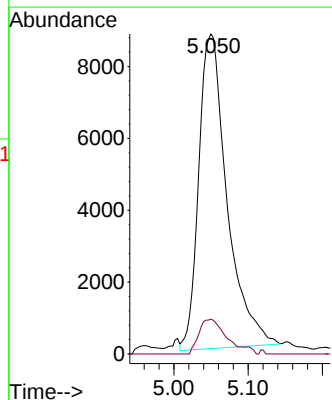
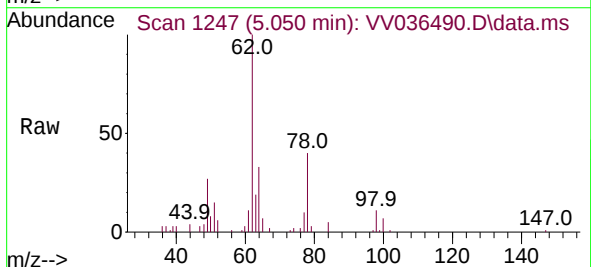
Acq: 11 Jul 2024 10:50

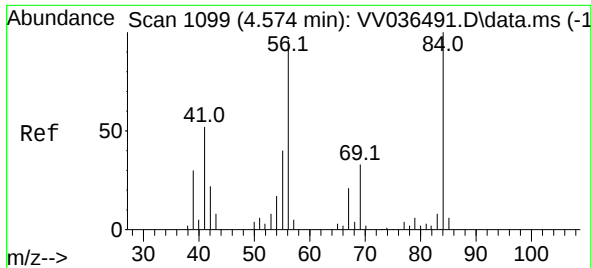
Tgt Ion: 62 Resp: 23245

Ion Ratio Lower Upper

62 100

98 10.9 8.9 13.3





#29

Cyclohexane

Concen: 4.728 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Instrument :

MSVOA_V

ClientSampleId :

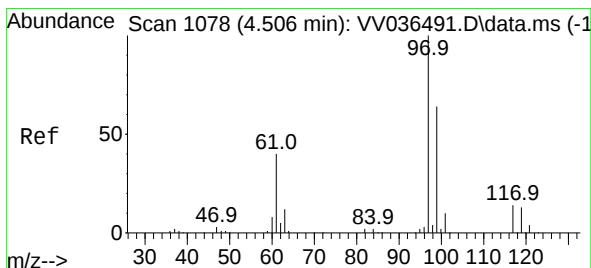
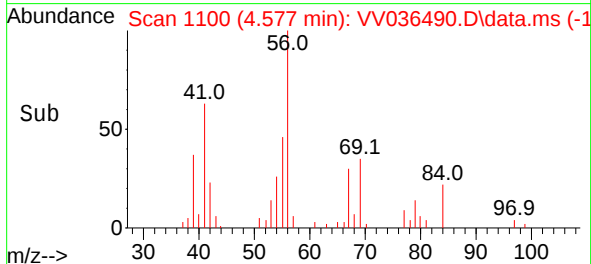
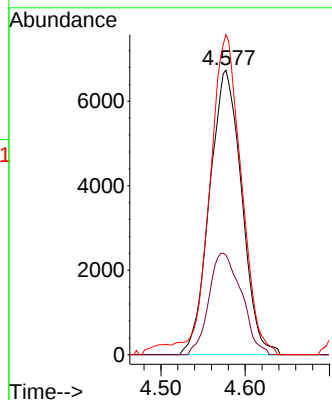
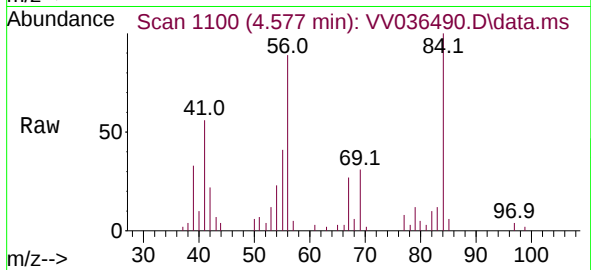
Tgt Ion: 56 Resp: 17819

Ion Ratio Lower Upper

56 100

69 36.2 27.6 41.4

84 110.2 85.4 128.2



#30

1,1,1-Trichloroethane

Concen: 5.269 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

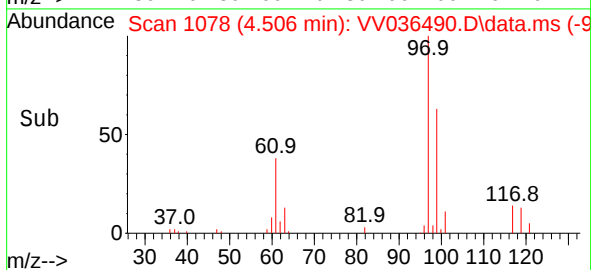
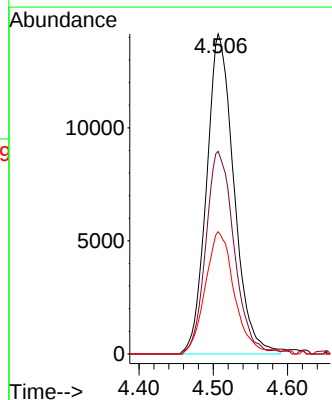
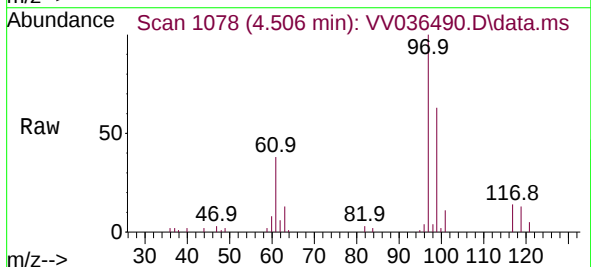
Tgt Ion: 97 Resp: 36291

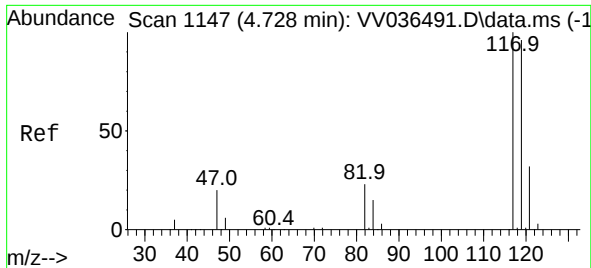
Ion Ratio Lower Upper

97 100

99 65.0 51.9 77.9

61 40.2 32.2 48.4

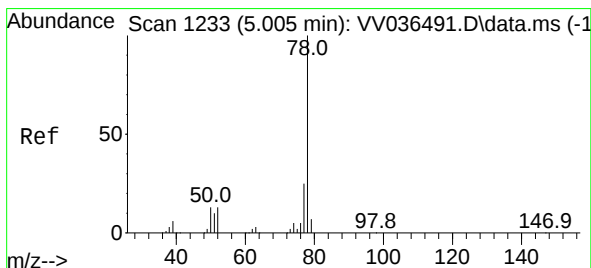
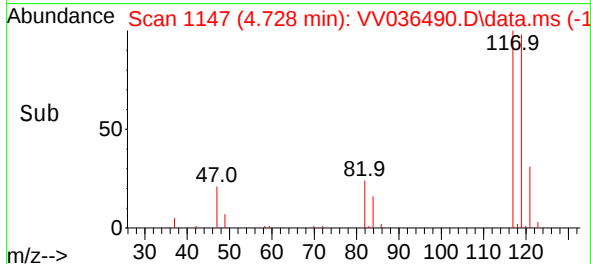
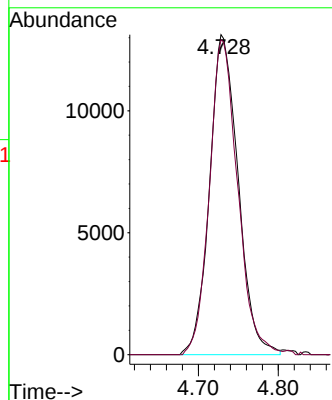
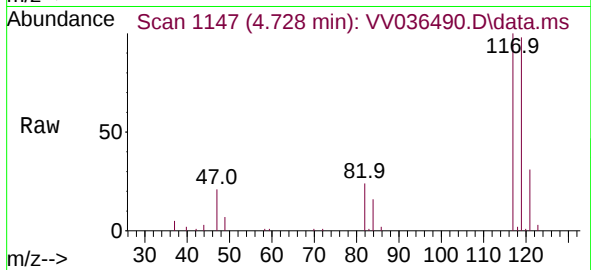




#31
Carbon tetrachloride
Concen: 5.336 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. 0.000 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

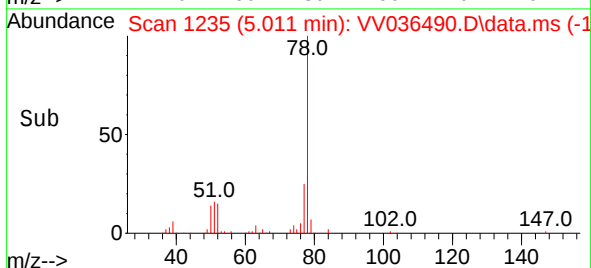
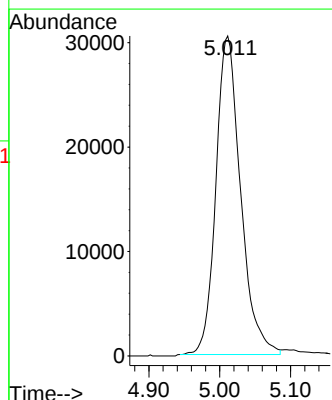
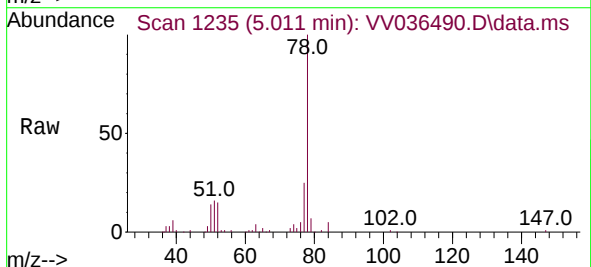
Instrument :
MSVOA_V
ClientSampleId :

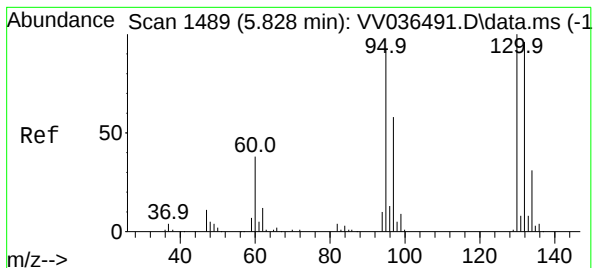
Tgt Ion:117 Resp: 32595
Ion Ratio Lower Upper
117 100
119 97.2 77.6 116.4



#33
Benzene
Concen: 5.043 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.007 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

Tgt Ion: 78 Resp: 73944





#34

Trichloroethene

Concen: 5.171 ug/L

RT: 5.834 min Scan# 1489

Delta R.T. 0.007 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 24127

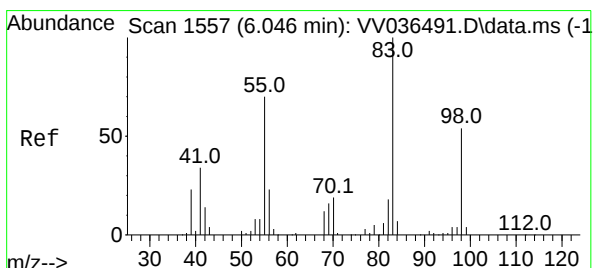
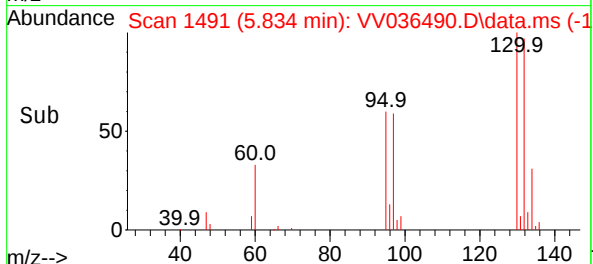
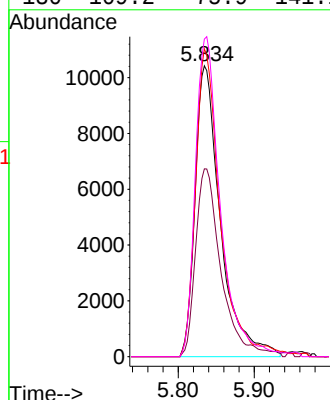
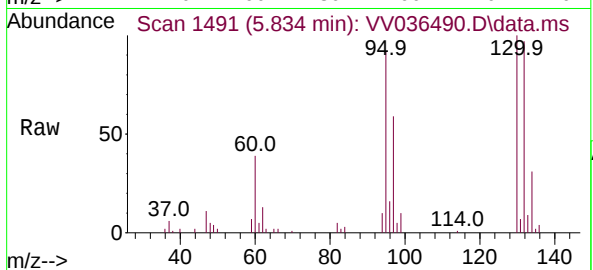
Ion Ratio Lower Upper

95 100

97 64.6 44.4 82.4

132 105.8 73.0 135.6

130 109.2 75.9 141.1



#35

Methylcyclohexane

Concen: 4.851 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.003 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

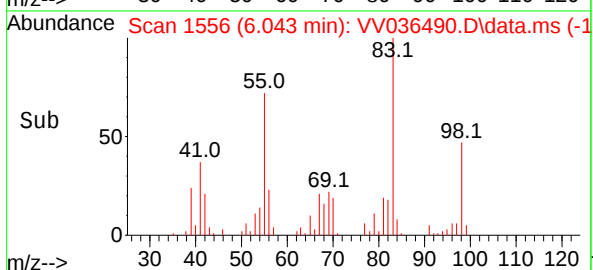
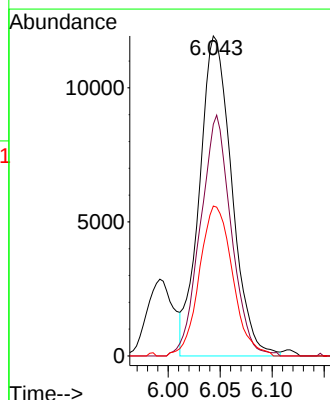
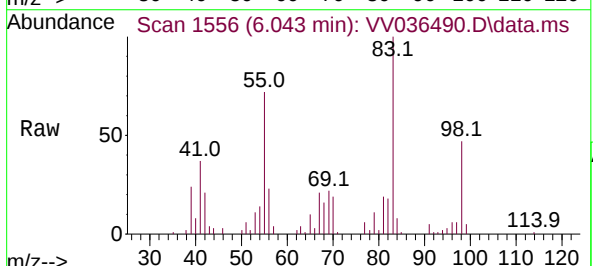
Tgt Ion: 83 Resp: 25830

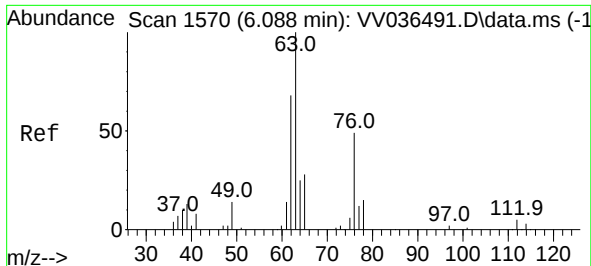
Ion Ratio Lower Upper

83 100

55 71.7 54.3 81.5

98 48.1 41.7 62.5

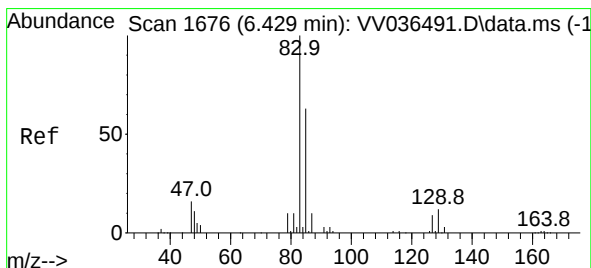
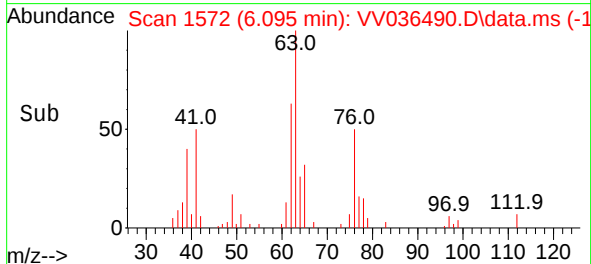
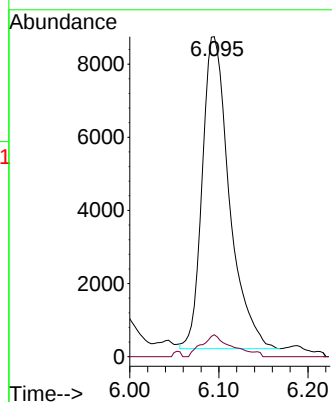
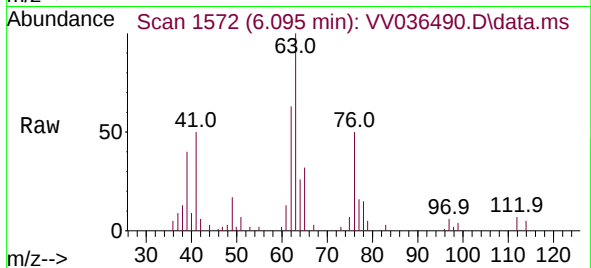




#37
1,2-Dichloropropane
Concen: 4.875 ug/L
RT: 6.095 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

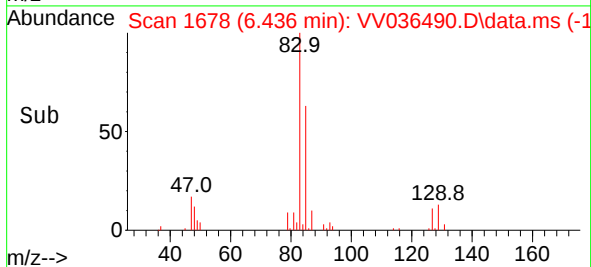
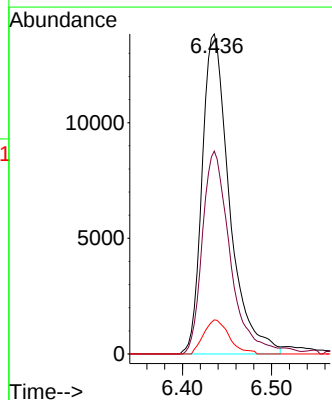
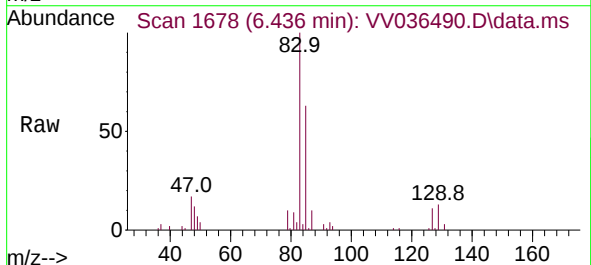
Instrument :
MSVOA_V
ClientSampleId :

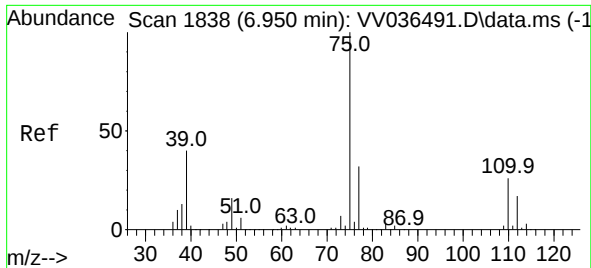
Tgt Ion: 63 Resp: 18038
Ion Ratio Lower Upper
63 100
112 7.4 4.5 6.7#



#38
Bromodichloromethane
Concen: 5.042 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. 0.007 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

Tgt Ion: 83 Resp: 29563
Ion Ratio Lower Upper
83 100
85 63.4 44.3 82.3
127 11.7 7.0 10.4#

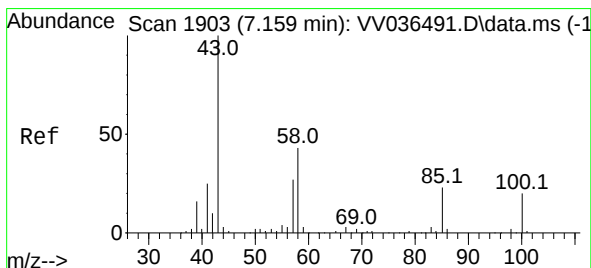
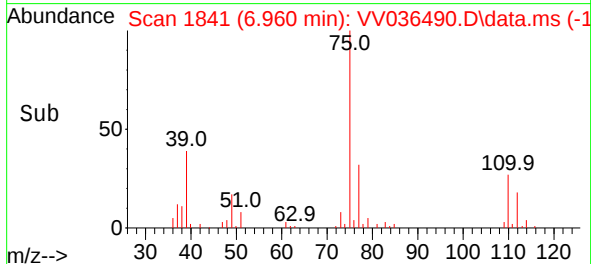
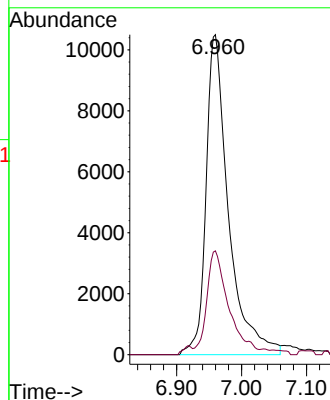
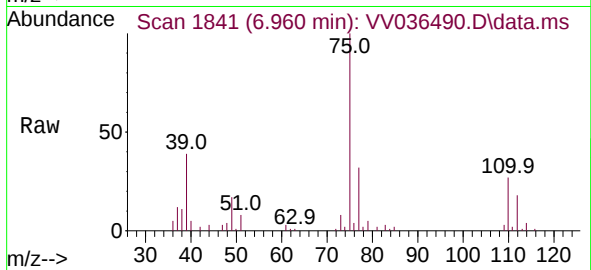




#39
 cis-1,3-Dichloropropene
 Concen: 4.419 ug/L
 RT: 6.960 min Scan# 1838
 Delta R.T. 0.010 min
 Lab File: VV036490.D
 Acq: 11 Jul 2024 10:50

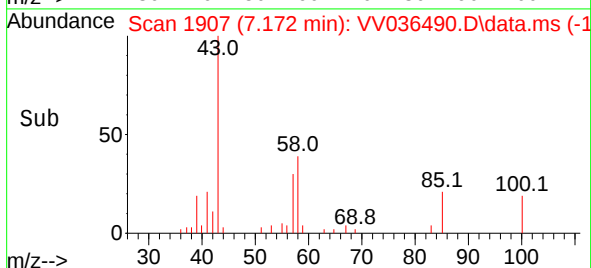
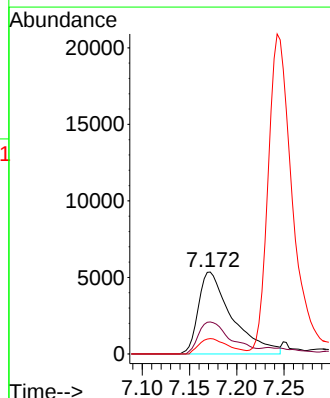
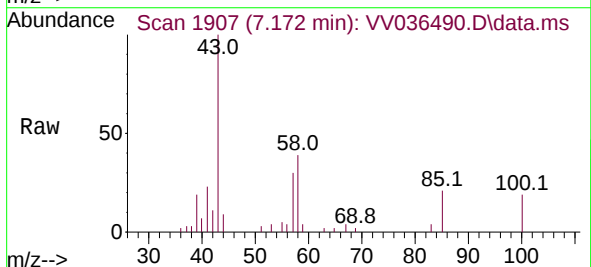
Instrument :
 MSVOA_V
 ClientSampleId :

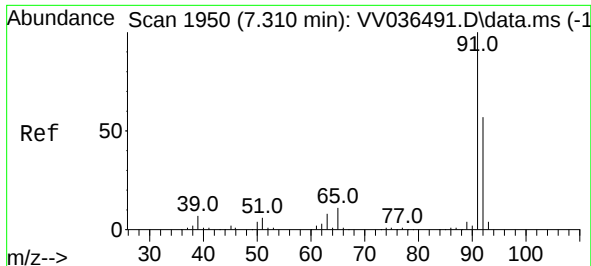
Tgt Ion: 75 Resp: 25216
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 8.304 ug/L
 RT: 7.172 min Scan# 1907
 Delta R.T. 0.013 min
 Lab File: VV036490.D
 Acq: 11 Jul 2024 10:50

Tgt Ion: 43 Resp: 13273
 Ion Ratio Lower Upper
 43 100
 58 37.7 32.9 49.3
 100 16.3 15.5 23.3





#42

Toluene

Concen: 4.681 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.007 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Instrument :

MSVOA_V

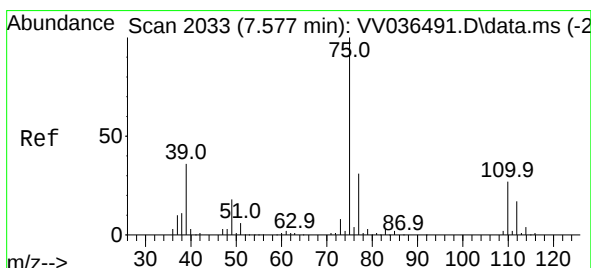
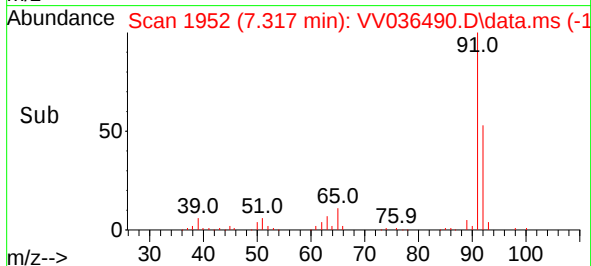
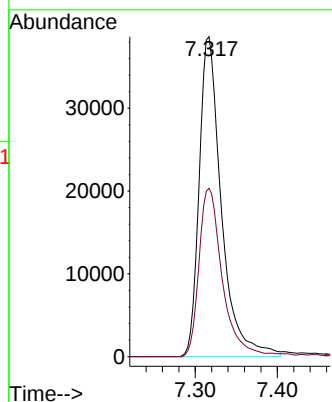
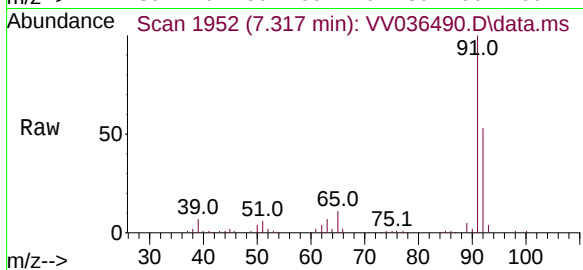
ClientSampleId :

Tgt Ion: 91 Resp: 72723

Ion Ratio Lower Upper

91 100

92 52.6 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 4.300 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.010 min

Lab File: VV036490.D

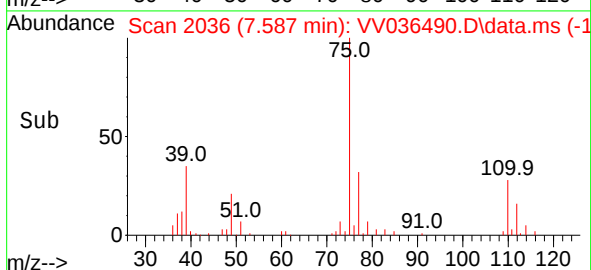
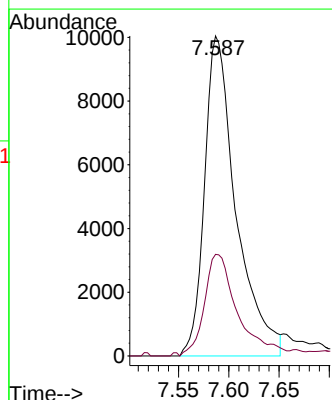
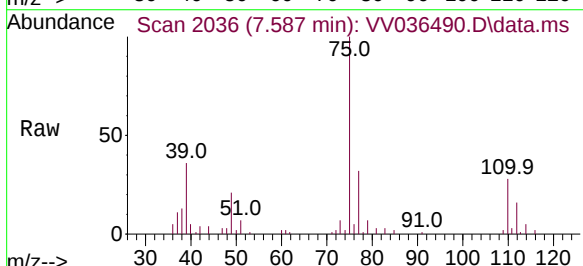
Acq: 11 Jul 2024 10:50

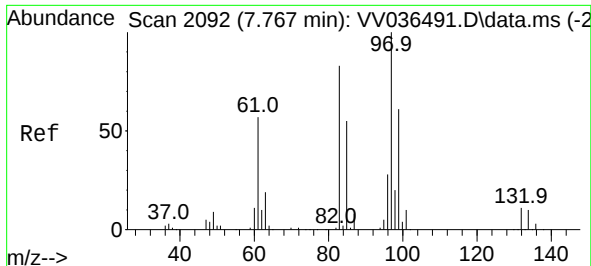
Tgt Ion: 75 Resp: 21877

Ion Ratio Lower Upper

75 100

77 31.8 21.9 40.7

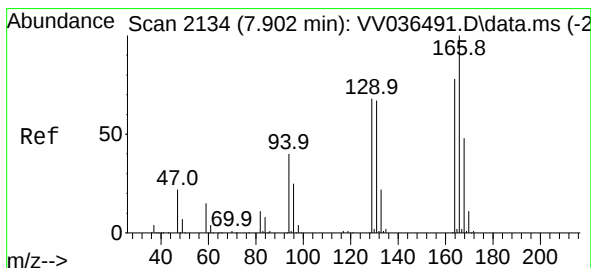
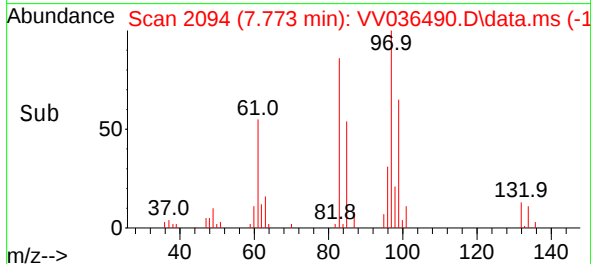
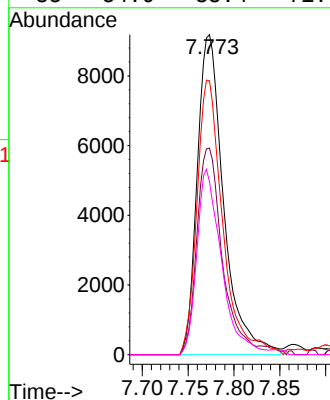
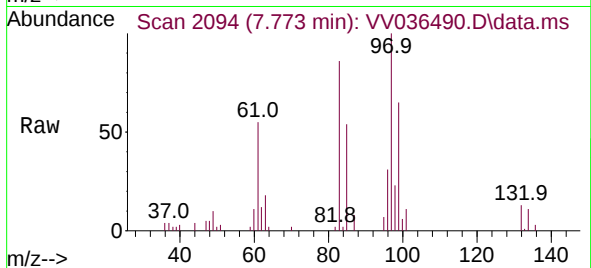




#45
1,1,2-Trichloroethane
Concen: 5.050 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.007 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

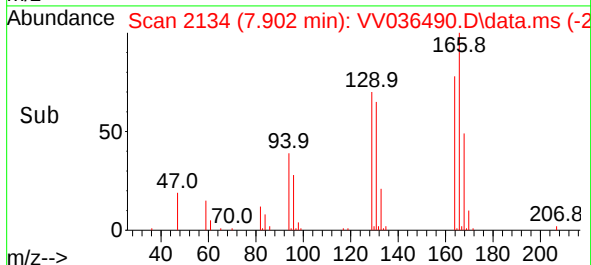
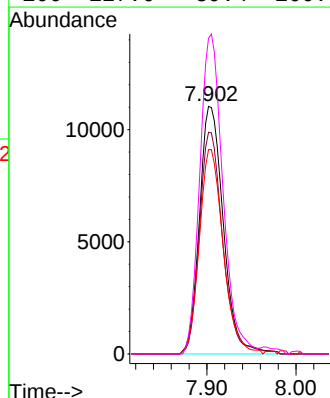
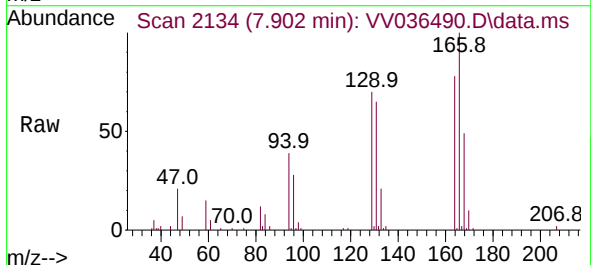
Instrument :
MSVOA_V
ClientSampleId :

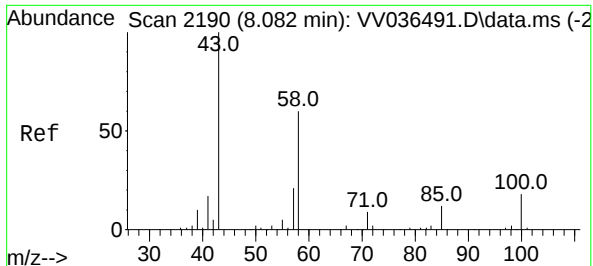
Tgt Ion:	97	Resp:	18412
Ion	Ratio	Lower	Upper
97	100		
99	64.6	42.6	79.2
83	85.6	58.0	107.6
85	54.0	38.4	71.4



#46
Tetrachloroethene
Concen: 5.449 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

Tgt Ion:	164	Resp:	20554
Ion	Ratio	Lower	Upper
164	100		
129	89.5	61.0	113.4
131	84.6	59.8	111.1
166	127.6	89.4	166.0

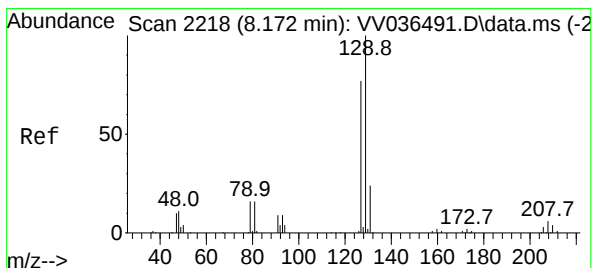
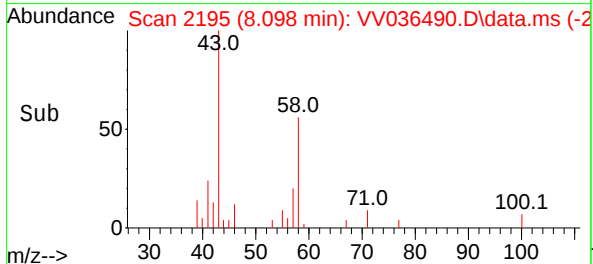
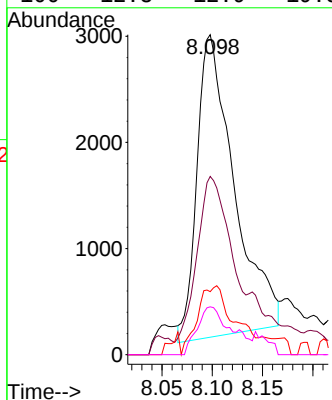
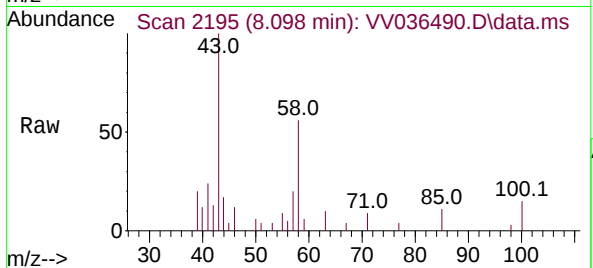




#48
2-Hexanone
Concen: 5.860 ug/L
RT: 8.098 min Scan# 2190
Delta R.T. 0.016 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

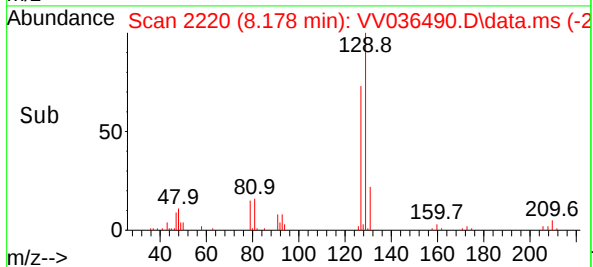
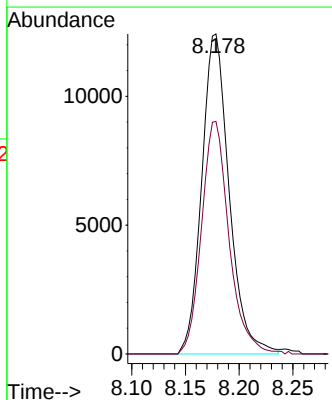
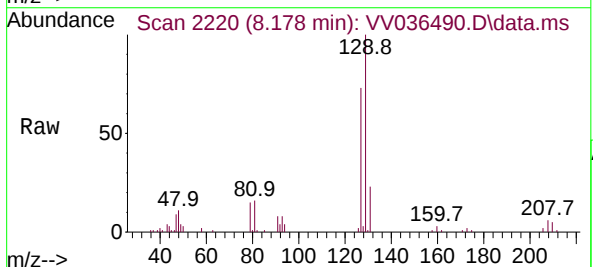
Instrument :
MSVOA_V
ClientSampleId :

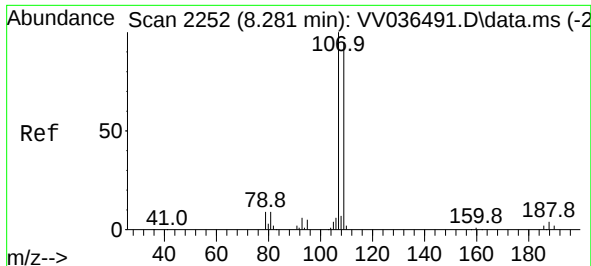
Tgt Ion: 43	Resp: 7343
Ion Ratio	Lower Upper
43 100	
58 48.8	49.5 74.3#
57 8.7	15.3 22.9#
100 12.3	12.9 19.3#



#49
Dibromochloromethane
Concen: 5.005 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.007 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

Tgt Ion:129	Resp: 22069		
Ion Ratio	Lower	Upper	
129 100			
127 72.7	53.7	99.7	

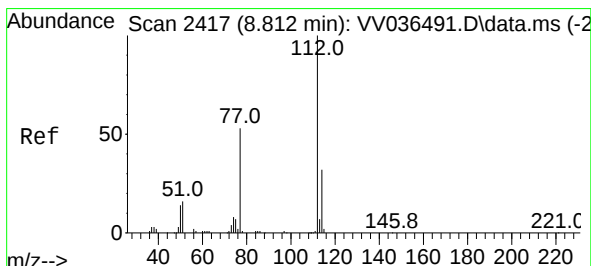
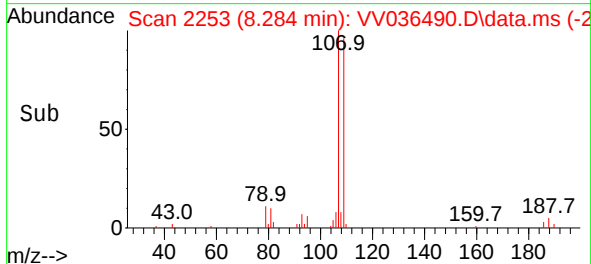
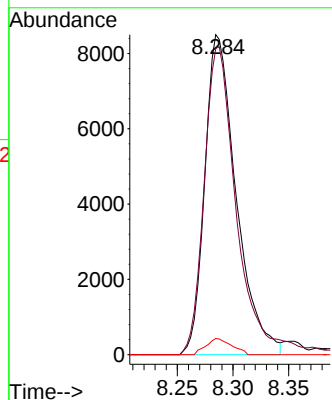
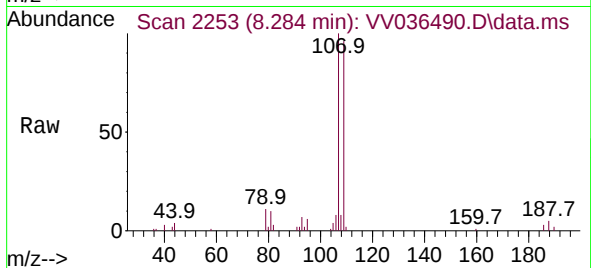




#50
1,2-Dibromoethane
Concen: 4.868 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

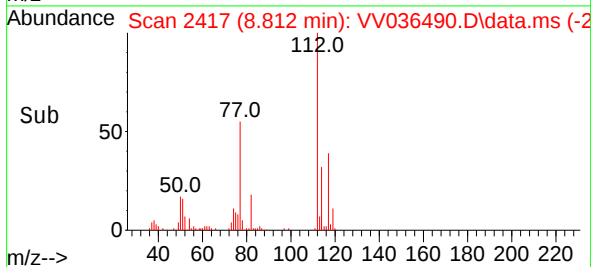
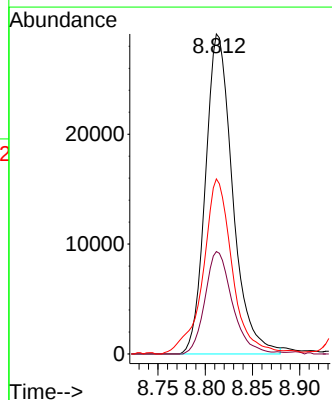
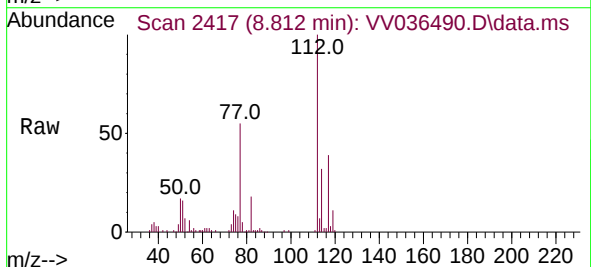
Instrument :
MSVOA_V
ClientSampleId :

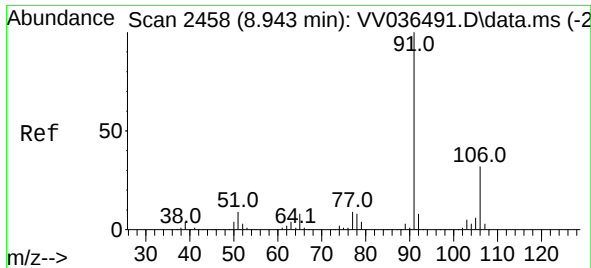
Tgt Ion:107 Resp: 16659
Ion Ratio Lower Upper
107 100
109 95.6 66.2 123.0
188 5.0 3.4 5.0



#51
Chlorobenzene
Concen: 5.019 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

Tgt Ion:112 Resp: 58396
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.9
77 54.7 43.0 64.6

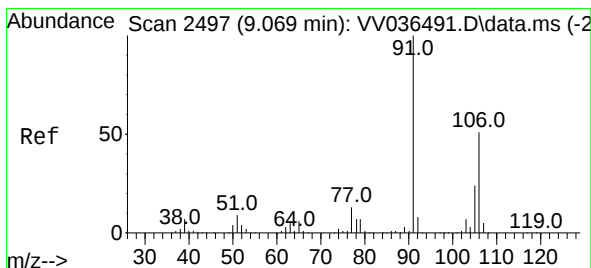
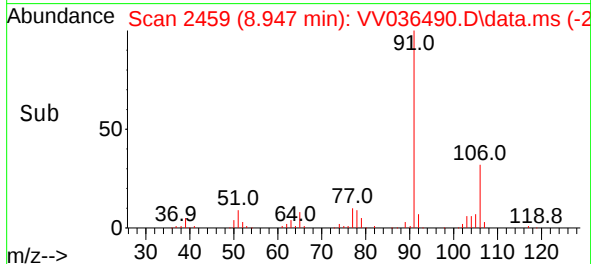
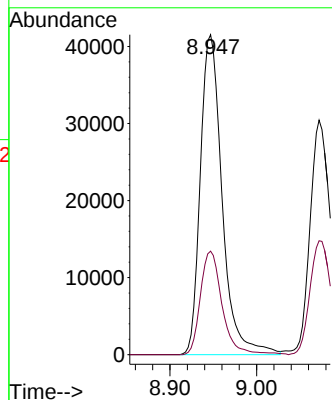
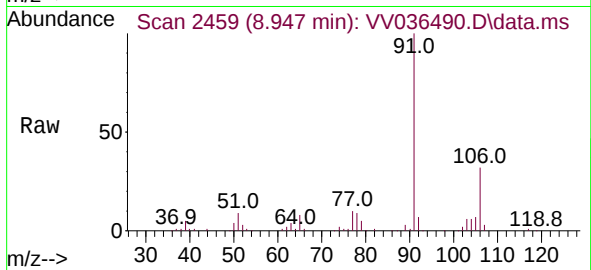




#52
Ethylbenzene
Concen: 4.363 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

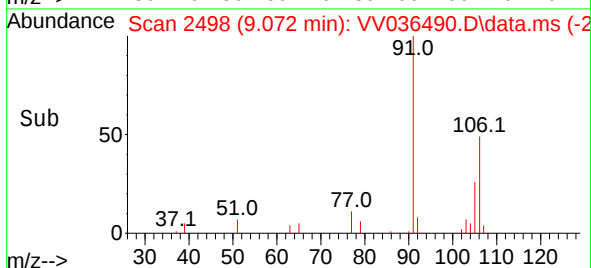
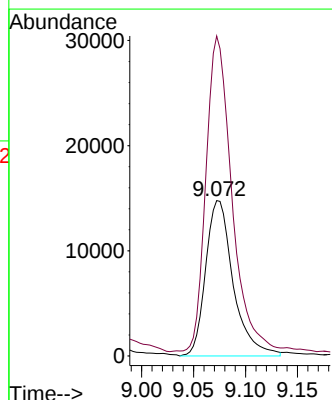
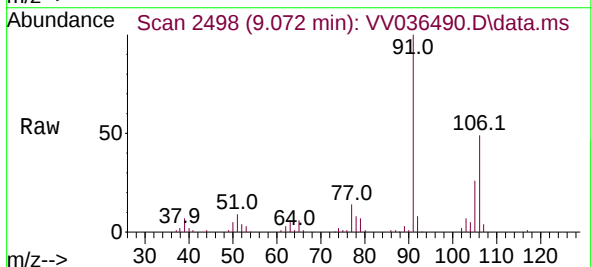
Instrument :
MSVOA_V
ClientSampleId :

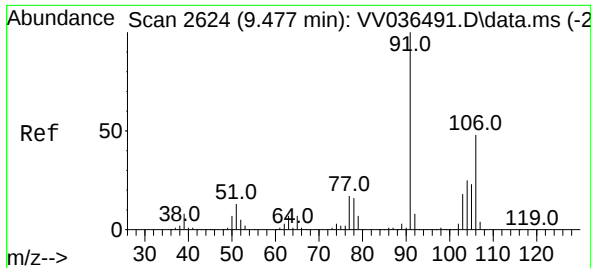
Tgt Ion: 91 Resp: 72710
Ion Ratio Lower Upper
91 100
106 32.4 22.6 42.0



#53
m,p-Xylene
Concen: 4.253 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

Tgt Ion: 106 Resp: 27286
Ion Ratio Lower Upper
106 100
91 205.9 137.1 254.7

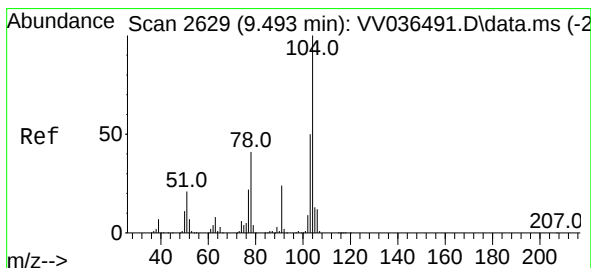
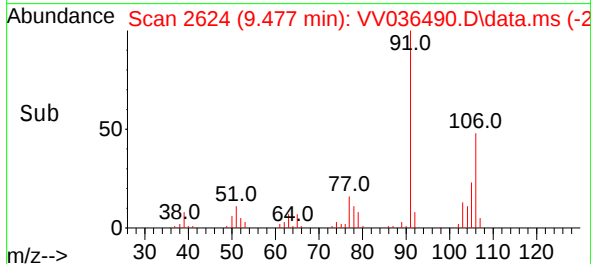
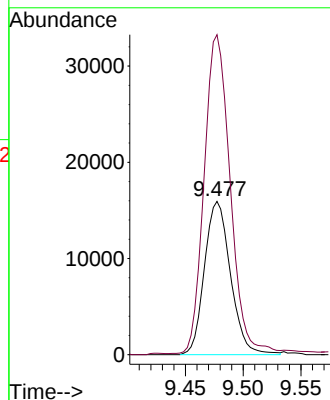
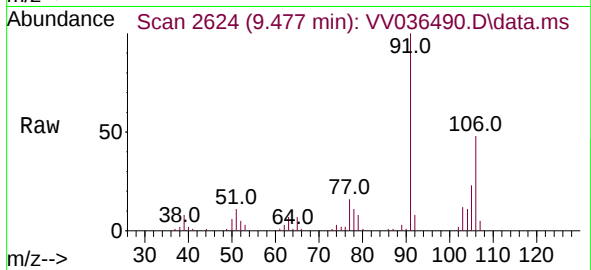




#54
o-Xylene
Concen: 4.096 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

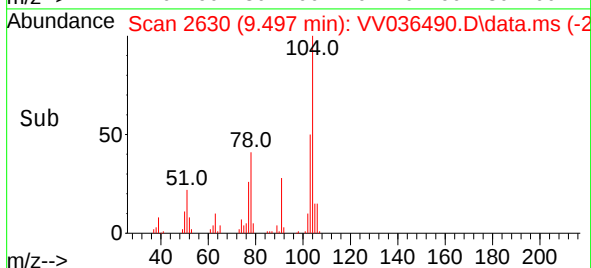
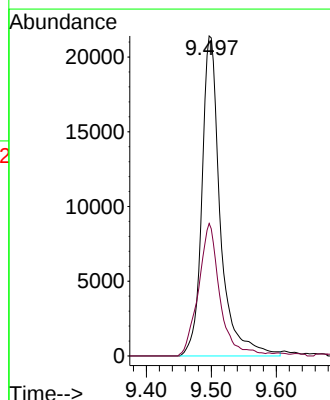
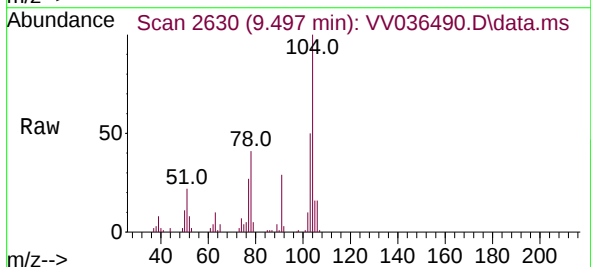
Instrument :
MSVOA_V
ClientSampleId :

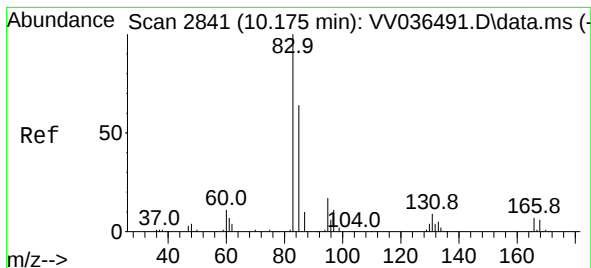
Tgt Ion:106 Resp: 25023
Ion Ratio Lower Upper
106 100
91 208.7 147.3 273.6



#55
Styrene
Concen: 3.897 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

Tgt Ion:104 Resp: 42306
Ion Ratio Lower Upper
104 100
78 41.4 28.8 53.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.017 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Instrument :

MSVOA_V

ClientSampleId :

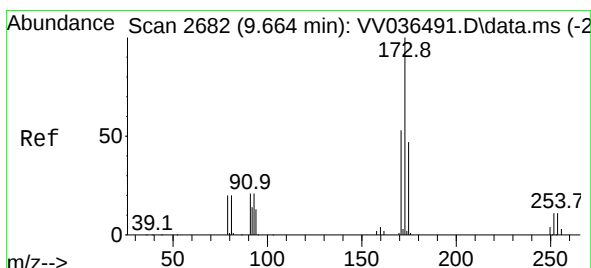
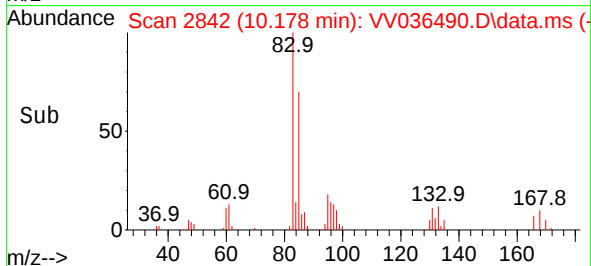
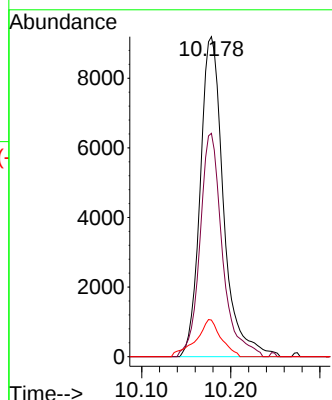
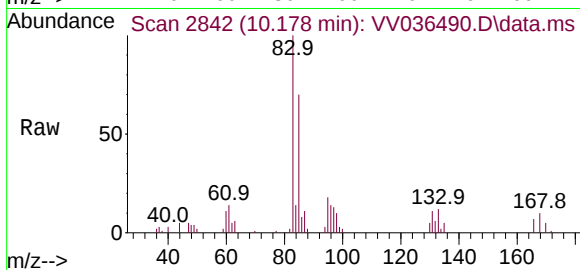
Tgt Ion: 83 Resp: 16704

Ion Ratio Lower Upper

83 100

85 69.8 45.0 83.6

131 11.4 8.1 12.1



#59

Bromoform

Concen: 5.212 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

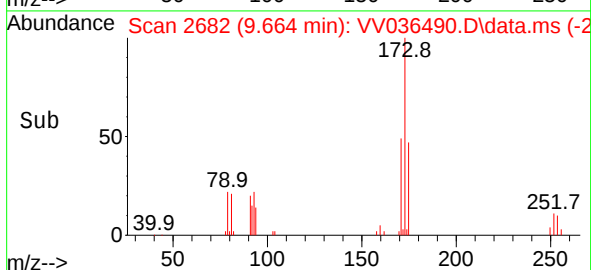
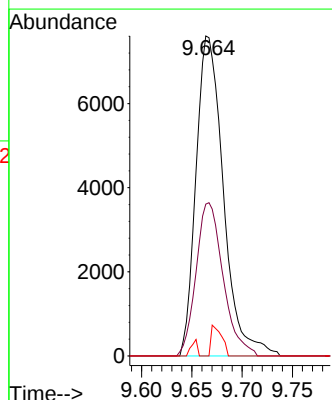
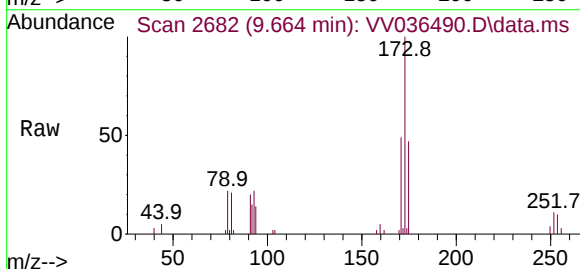
Tgt Ion: 173 Resp: 14411

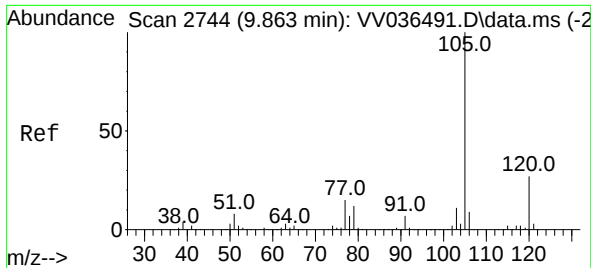
Ion Ratio Lower Upper

173 100

175 47.3 37.6 56.4

254 3.7 8.2 12.4#

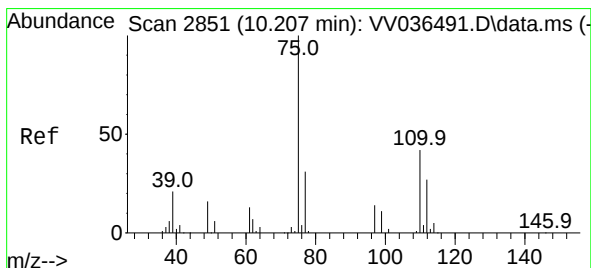
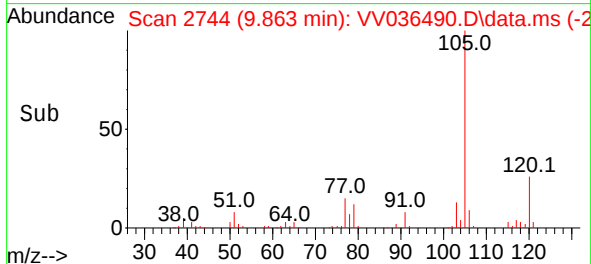
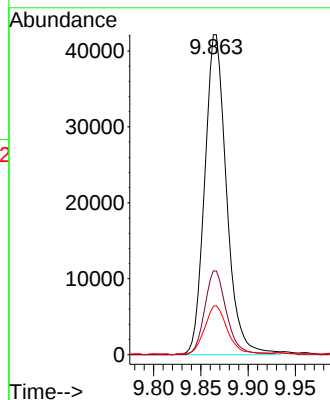
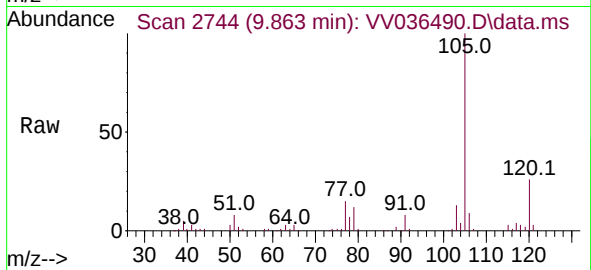




#60
Isopropylbenzene
Concen: 4.351 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

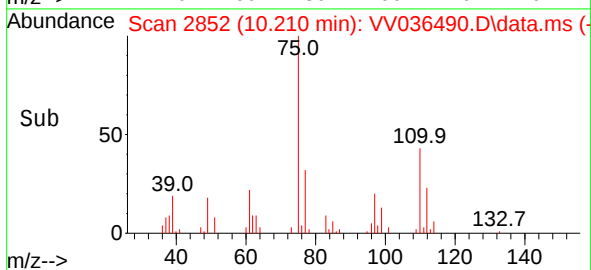
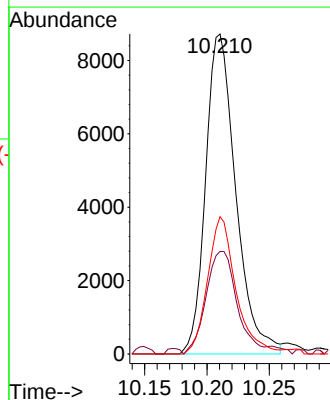
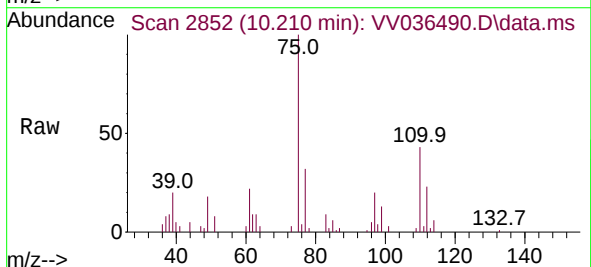
Instrument :
MSVOA_V
ClientSampleId :

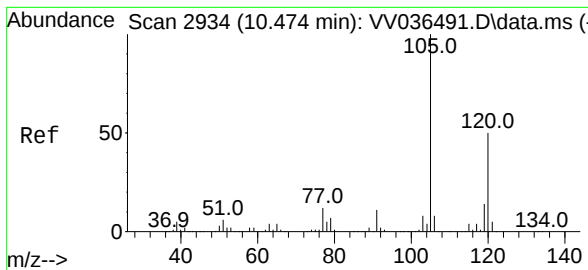
Tgt Ion:105 Resp: 67810
Ion Ratio Lower Upper
105 100
120 26.1 21.8 32.6
77 16.4 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 5.296 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV036490.D
Acq: 11 Jul 2024 10:50

Tgt Ion: 75 Resp: 14698
Ion Ratio Lower Upper
75 100
77 32.7 25.6 38.4
110 40.1 34.8 52.2

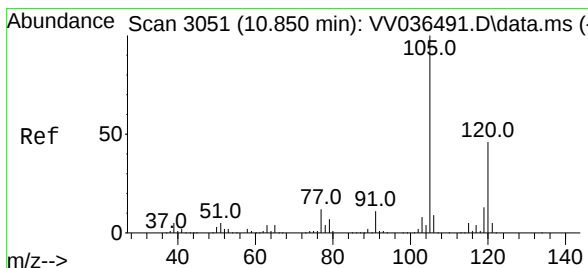
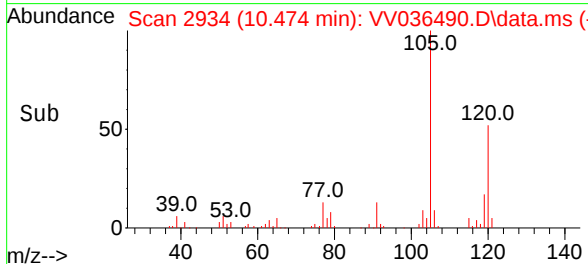
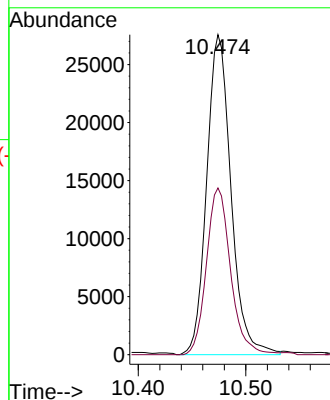
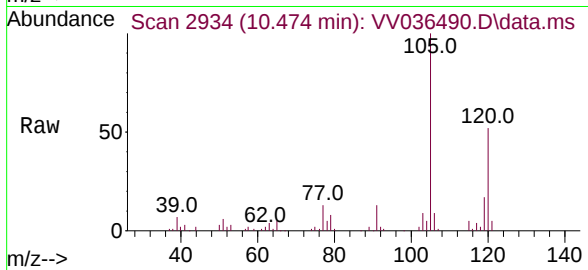




#62
 1,3,5-Trimethylbenzene
 Concen: 3.878 ug/L
 RT: 10.474 min Scan# 2934
 Delta R.T. 0.000 min
 Lab File: VV036490.D
 Acq: 11 Jul 2024 10:50

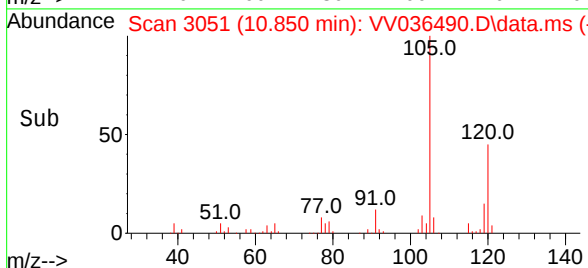
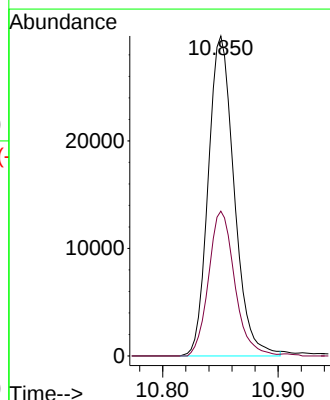
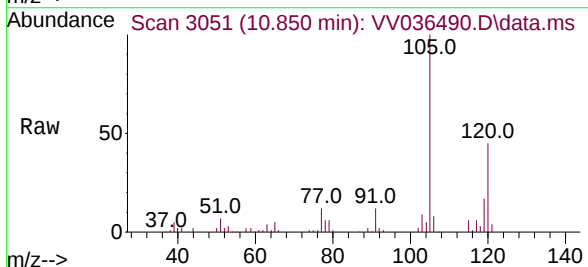
Instrument :
 MSVOA_V
 ClientSampleId :

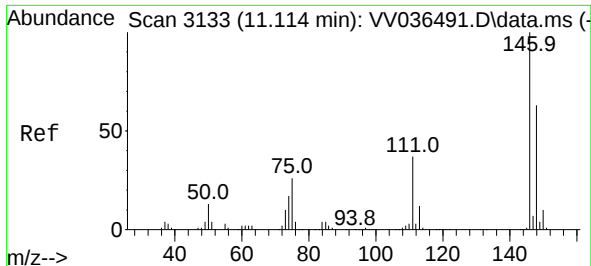
Tgt Ion:105 Resp: 43284
 Ion Ratio Lower Upper
 105 100
 120 51.7 39.9 59.9



#63
 1,2,4-Trimethylbenzene
 Concen: 3.824 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. 0.000 min
 Lab File: VV036490.D
 Acq: 11 Jul 2024 10:50

Tgt Ion:105 Resp: 46443
 Ion Ratio Lower Upper
 105 100
 120 45.5 37.0 55.4





#64

1,3-Dichlorobenzene

Concen: 4.890 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Instrument :

MSVOA_V

ClientSampleId :

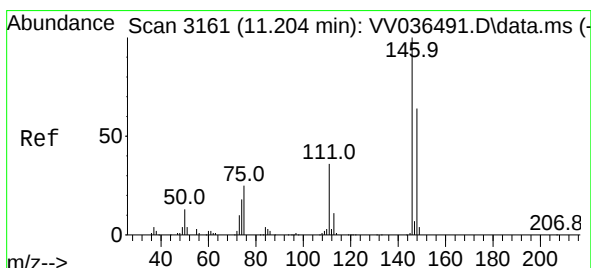
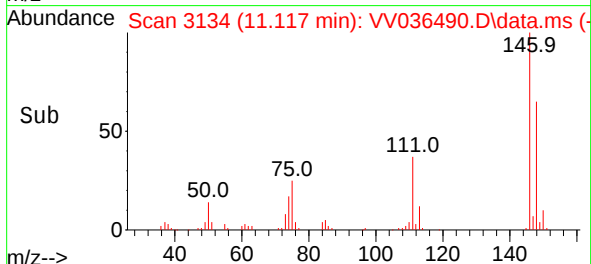
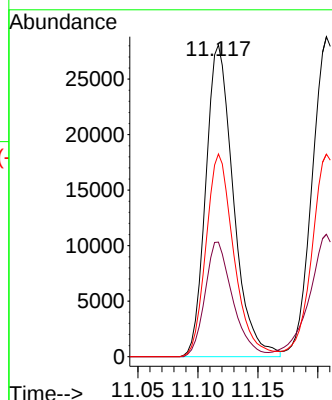
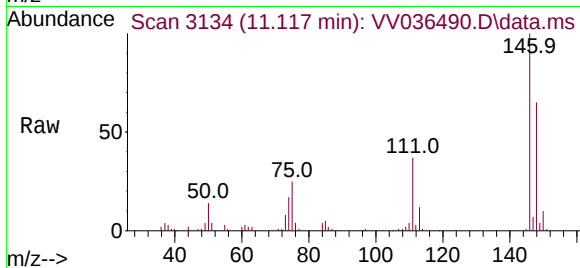
Tgt Ion:146 Resp: 45055

Ion Ratio Lower Upper

146 100

111 36.7 25.8 47.8

148 65.0 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 5.031 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

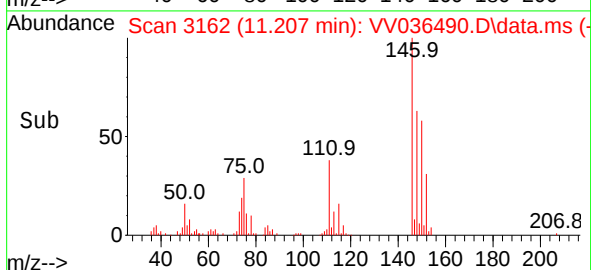
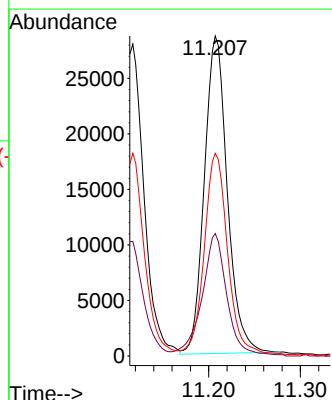
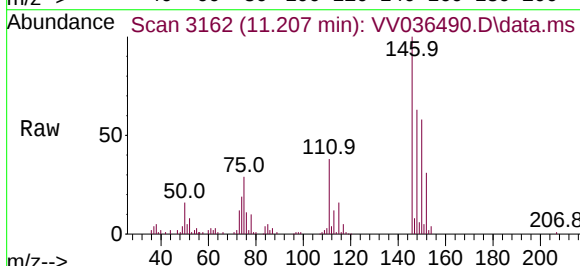
Tgt Ion:146 Resp: 49774

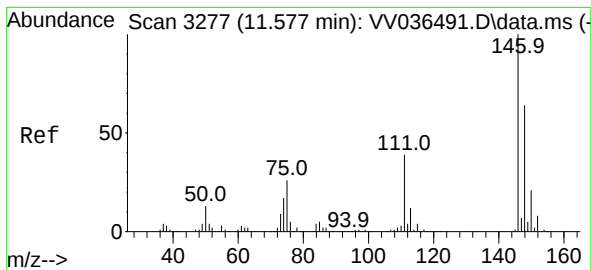
Ion Ratio Lower Upper

146 100

111 38.3 25.2 46.8

148 63.3 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 4.911 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Instrument :

MSVOA_V

ClientSampleId :

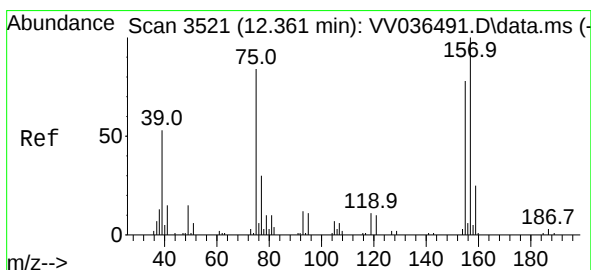
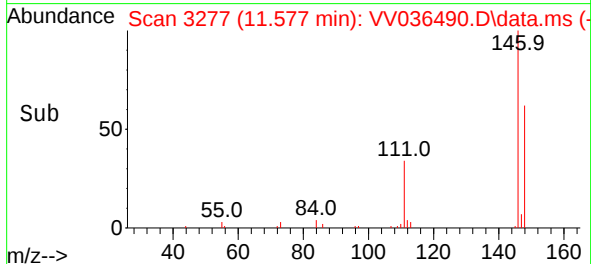
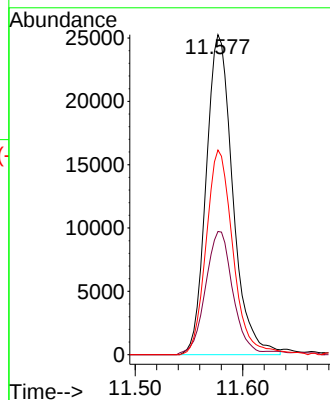
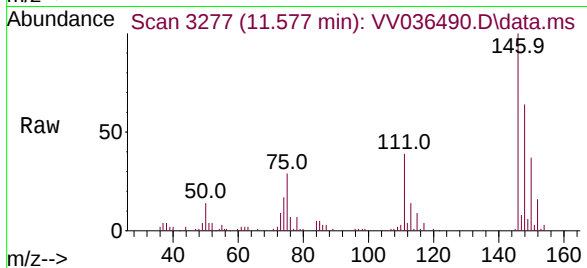
Tgt Ion:146 Resp: 43475

Ion Ratio Lower Upper

146 100

111 38.5 30.8 46.2

148 64.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.062 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.010 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

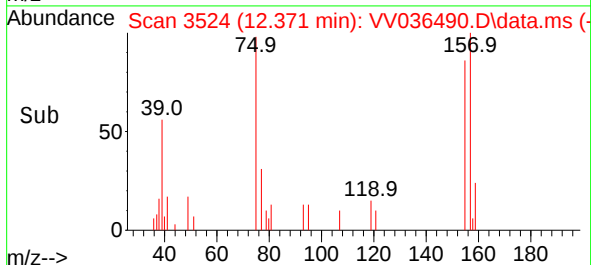
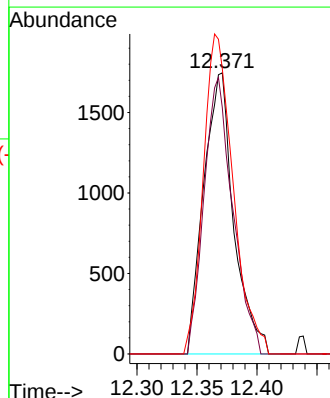
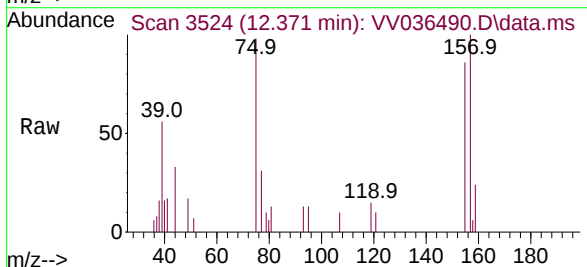
Tgt Ion: 75 Resp: 3040

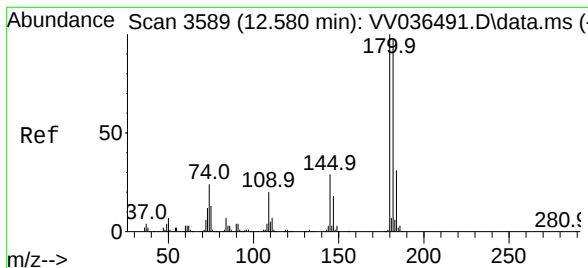
Ion Ratio Lower Upper

75 100

155 87.7 74.6 111.8

157 101.6 95.0 142.4





#69

1,3,5-Trichlorobenzene

Concen: 4.818 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

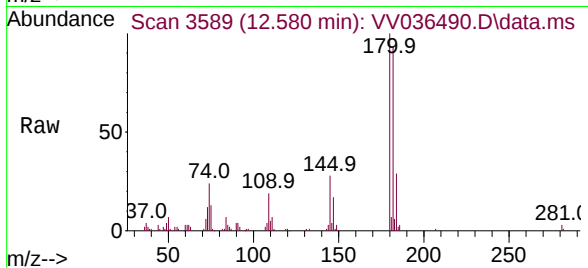
Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 34366

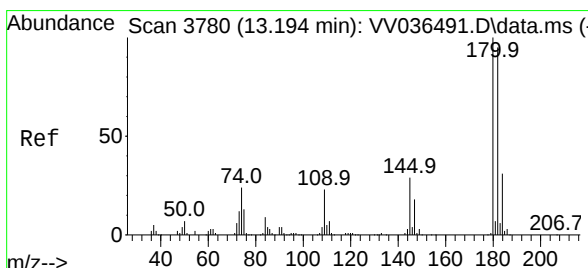
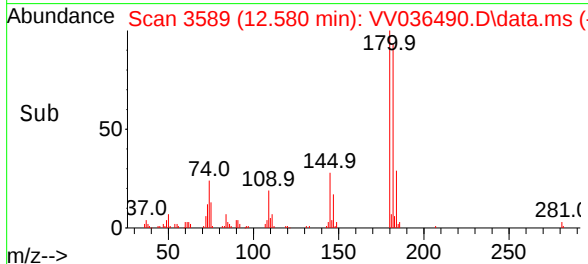
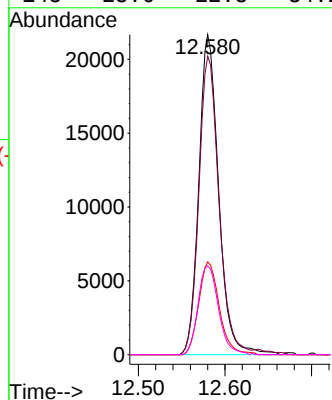
Ion Ratio Lower Upper

180 100

182 94.5 77.4 116.0

184 30.2 24.4 36.6

145 28.6 22.8 34.2



#70

1,2,4-trichlorobenzene

Concen: 4.344 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

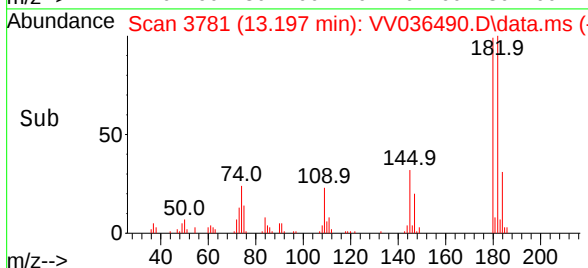
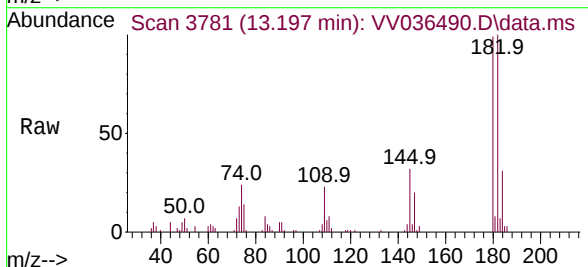
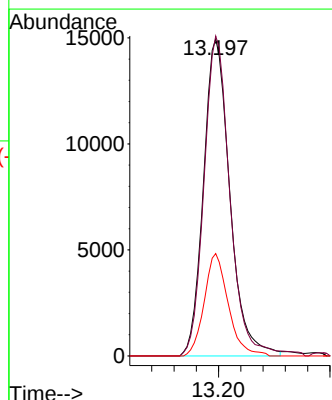
Tgt Ion:180 Resp: 24648

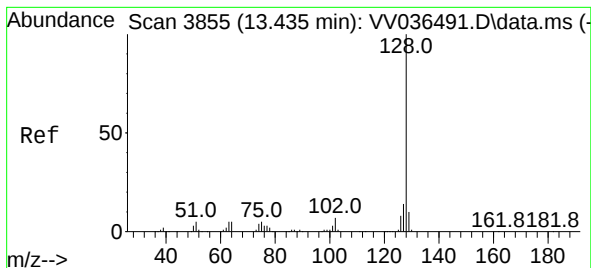
Ion Ratio Lower Upper

180 100

182 99.2 76.7 115.1

145 29.4 23.0 34.6





#71

Naphthalene

Concen: 3.871 ug/L

RT: 13.439 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Instrument :

MSVOA_V

ClientSampleId :

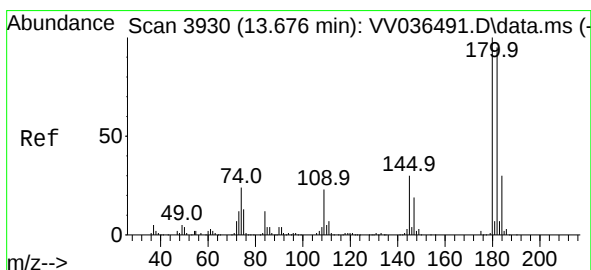
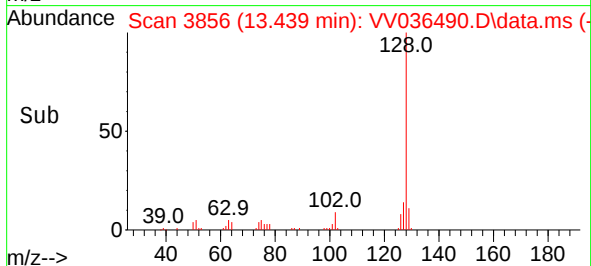
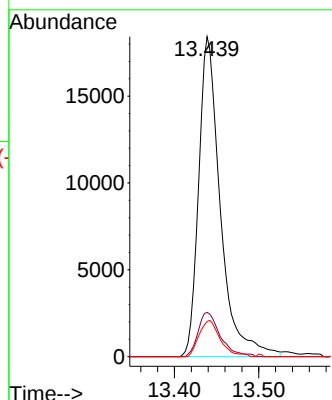
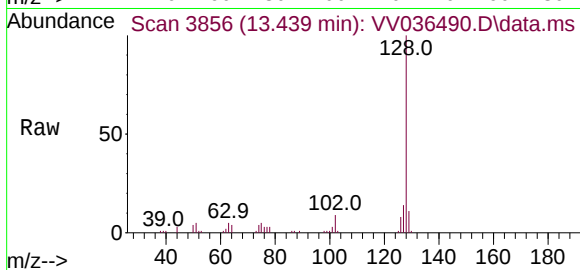
Tgt Ion:128 Resp: 32987

Ion Ratio Lower Upper

128 100

127 13.9 10.8 16.2

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 4.530 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036490.D

Acq: 11 Jul 2024 10:50

Tgt Ion:180 Resp: 24317

Ion Ratio Lower Upper

180 100

182 94.1 76.6 114.8

145 29.1 24.4 36.6

