

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV036997.D
 Acq On : 22 Aug 2024 08:53
 Operator : SY/MD
 Sample : VSTD2.5
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 04:44:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 04:43:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	668245	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	614773	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	284827	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	29480	3.148	ug/L	0.00
7) Chloroethane-d5	1.532	69	23891	2.983	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	13856	3.072	ug/L	0.00
21) 2-Butanone-d5	3.809	46	49	0.029	ug/L	-0.04
24) Chloroform-d	4.249	84	50550	2.684	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	23148	2.672	ug/L	0.00
32) Benzene-d6	4.960	84	99001	2.687	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	29491	2.534	ug/L	0.00
41) Toluene-d8	7.246	98	87457	2.605	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	9129	2.346	ug/L	0.01
47) 2-Hexanone-d5	8.066	63	3116	3.259	ug/L	0.03
56) 1,1,2,2-Tetrachloroeth...	10.149	84	16464	2.666	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	29102	2.854	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	31660	3.033	ug/L	98
3) Chloromethane	1.217	50	34646	2.867	ug/L	98
5) Vinyl chloride	1.282	62	33319	2.784	ug/L	97
6) Bromomethane	1.491	94	21359	2.806	ug/L	99
8) Chloroethane	1.548	64	21452	2.838	ug/L	93
9) Trichlorofluoromethane	1.716	101	43525	2.755	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	27059	2.779	ug/L	97
12) 1,1-Dichloroethene	2.069	96	25255	2.785	ug/L	96
13) Acetone	2.150	43	4740	2.549	ug/L	89
14) Carbon disulfide	2.240	76	82206	2.737	ug/L	98
15) Methyl Acetate	2.391	43	8341	2.511	ug/L	97
16) Methylene chloride	2.445	84	53704	4.040	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	26387	2.658	ug/L	97
18) Methyl tert-butyl Ether	2.709	73	55092	2.679	ug/L	100
19) 1,1-Dichloroethane	3.108	63	52366	2.710	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	27060	2.541	ug/L	98
22) 2-Butanone	3.950	43	1576	0.960	ug/L	100
23) Bromochloromethane	4.150	128	10844	2.566	ug/L	96
25) Chloroform	4.275	83	49205	2.605	ug/L	98
27) 1,2-Dichloroethane	5.047	62	26519	2.567	ug/L #	92
29) Cyclohexane	4.571	56	43031	2.698	ug/L	96
30) 1,1,1-Trichloroethane	4.510	97	40773	2.630	ug/L	98
31) Carbon tetrachloride	4.732	117	34158	2.611	ug/L	99
33) Benzene	5.008	78	104753	2.614	ug/L	100
34) Trichloroethene	5.838	95	31109	2.750	ug/L	99
35) Methylcyclohexane	6.040	83	47435	2.712	ug/L	97
37) 1,2-Dichloropropane	6.095	63	24752	2.557	ug/L #	93
38) Bromodichloromethane	6.436	83	29701	2.470	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	31529	2.217	ug/L	93
40) 4-Methyl-2-pentanone	7.178	43	17844	4.376	ug/L #	93
42) Toluene	7.317	91	109648	2.612	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	25653	2.385	ug/L	94

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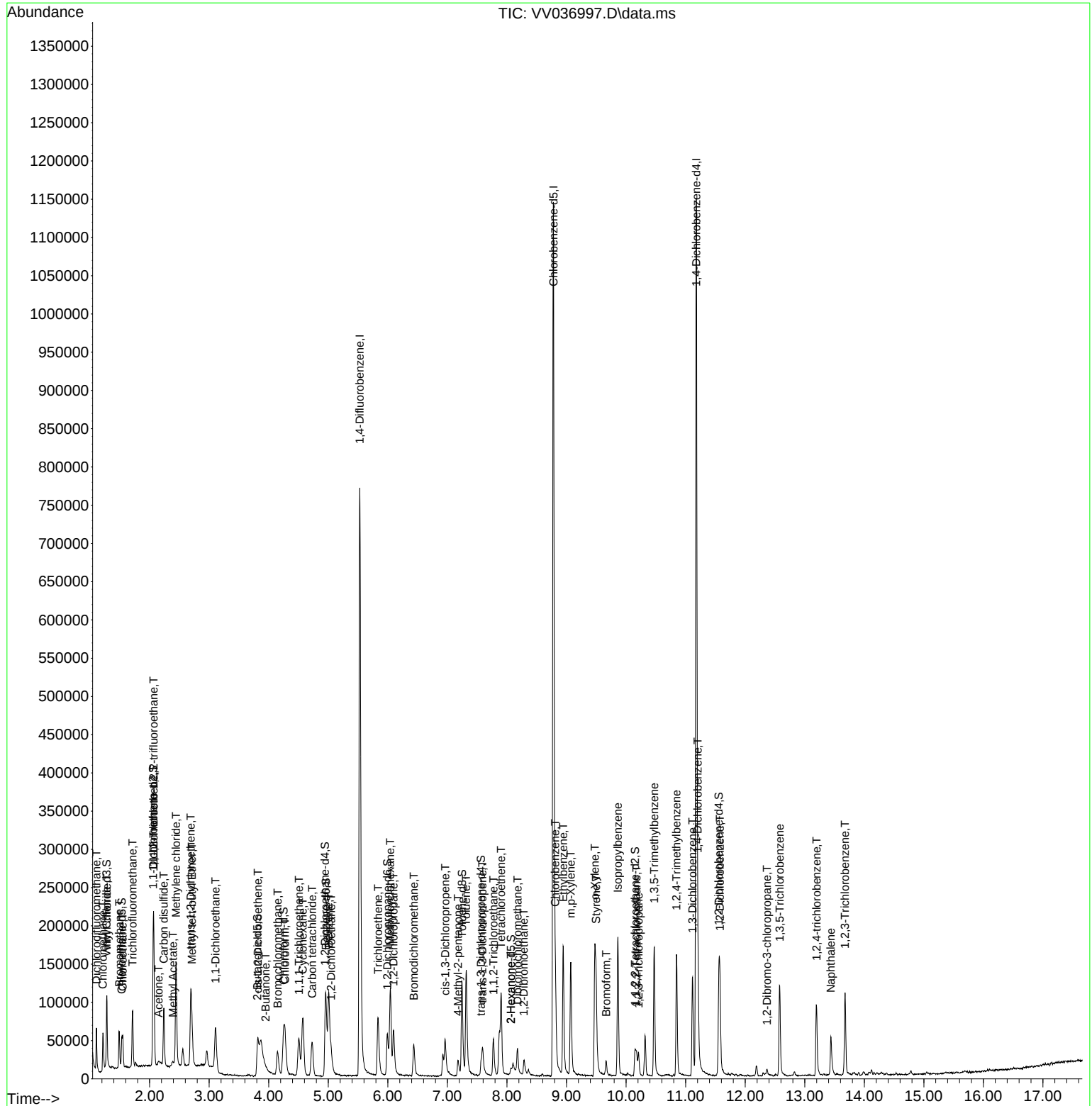
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

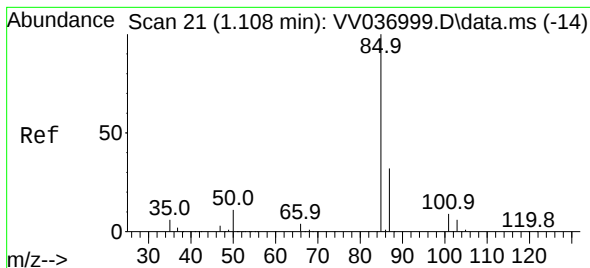
45) 1,1,2-Trichloroethane	7.773	97	16238	2.556	ug/L	97
46) Tetrachloroethene	7.902	164	22354	2.795	ug/L	92
48) 2-Hexanone	8.066	43	175	0.062	ug/L #	34
49) Dibromochloromethane	8.178	129	16992	2.431	ug/L	98
50) 1,2-Dibromoethane	8.284	107	14393	2.510	ug/L	98
51) Chlorobenzene	8.812	112	71579	2.670	ug/L	99
52) Ethylbenzene	8.944	91	121750	2.572	ug/L	100
53) m,p-Xylene	9.072	106	43974	2.500	ug/L	96
54) o-Xylene	9.477	106	41443	2.466	ug/L	99
55) Styrene	9.497	104	66722	2.406	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	14971	2.545	ug/L	98
59) Bromoform	9.667	173	7604	2.357	ug/L #	95
60) Isopropylbenzene	9.863	105	115465	2.571	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	12152	2.646	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	93609	2.546	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	88855	2.479	ug/L	97
64) 1,3-Dichlorobenzene	11.117	146	51168	2.666	ug/L	96
65) 1,4-Dichlorobenzene	11.204	146	50846	2.652	ug/L	96
67) 1,2-Dichlorobenzene	11.577	146	44793	2.694	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	2281	2.537	ug/L	91
69) 1,3,5-Trichlorobenzene	12.580	180	35482	2.653	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	28485	2.661	ug/L	100
71) Naphthalene	13.439	128	41177	2.554	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	22904	2.584	ug/L	97

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

Instrument :
MSVOA_V
ClientSampleId :

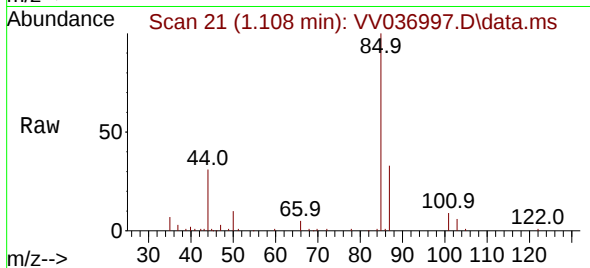
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MSVOA_V
ClientSampleId :



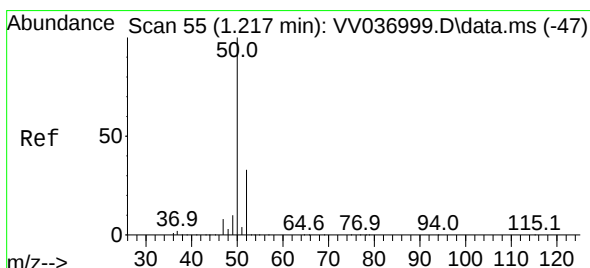
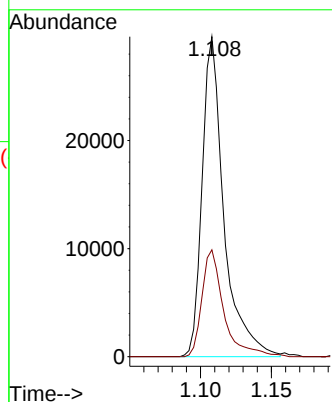
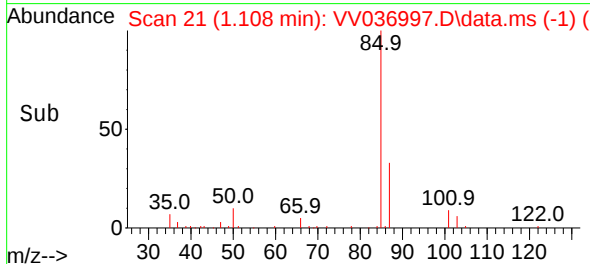


#2
 Dichlorodifluoromethane
 Concen: 3.033 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV036997.D
 Acq: 22 Aug 2024 08:53

Instrument :
 MSVOA_V
 ClientSampleId :

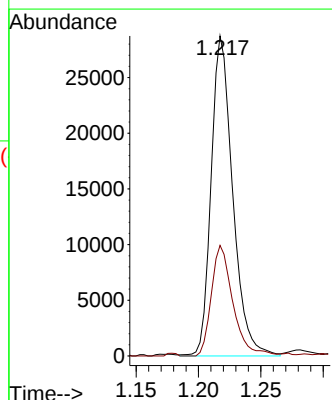
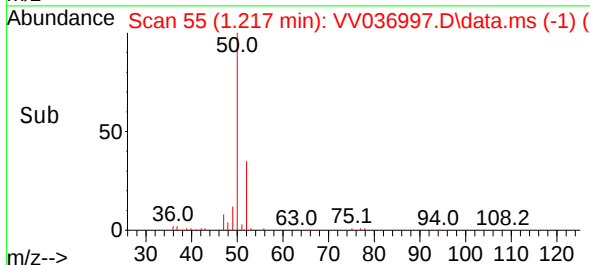
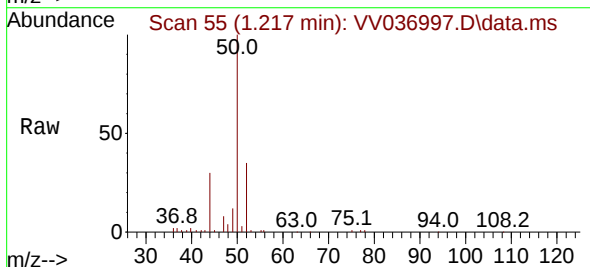


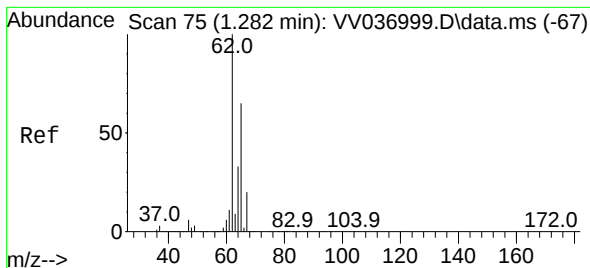
Tgt Ion: 85 Resp: 31660
 Ion Ratio Lower Upper
 85 100
 87 33.6 26.1 39.1



#3
 Chloromethane
 Concen: 2.867 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV036997.D
 Acq: 22 Aug 2024 08:53

Tgt Ion: 50 Resp: 34646
 Ion Ratio Lower Upper
 50 100
 52 34.5 23.2 43.2





#5

Vinyl chloride

Concen: 2.784 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

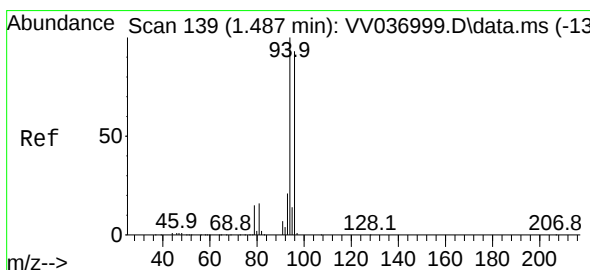
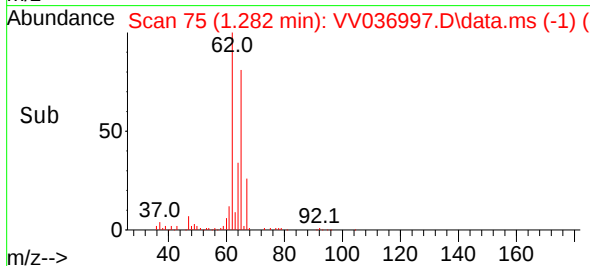
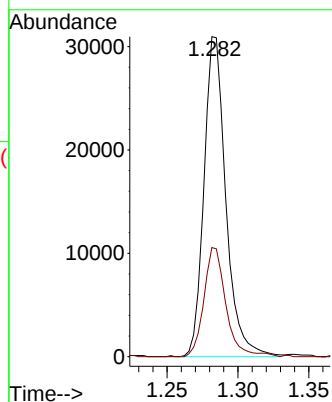
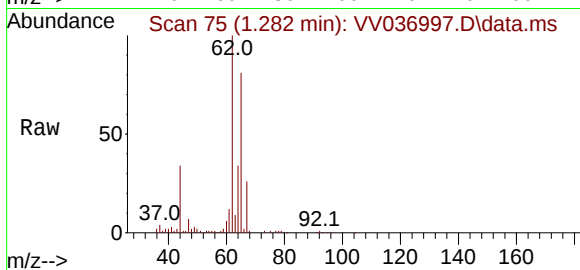
ClientSampleId :

Tgt Ion: 62 Resp: 33319

Ion Ratio Lower Upper

62 100

64 34.1 22.8 42.4



#6

Bromomethane

Concen: 2.806 ug/L

RT: 1.491 min Scan# 140

Delta R.T. 0.003 min

Lab File: VV036997.D

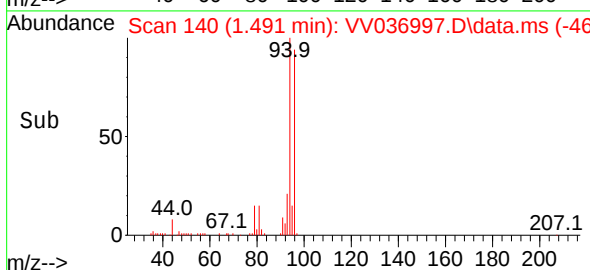
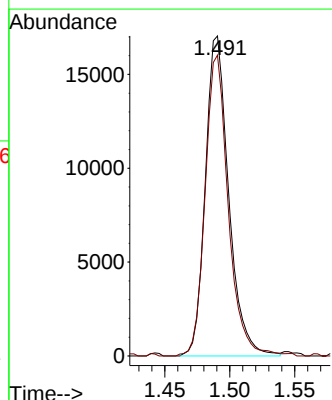
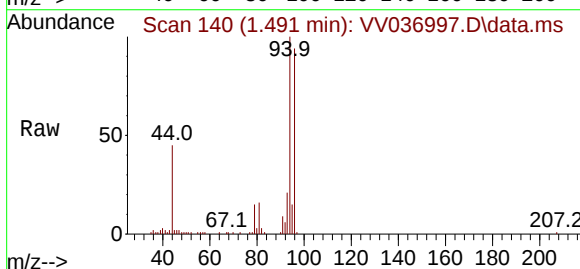
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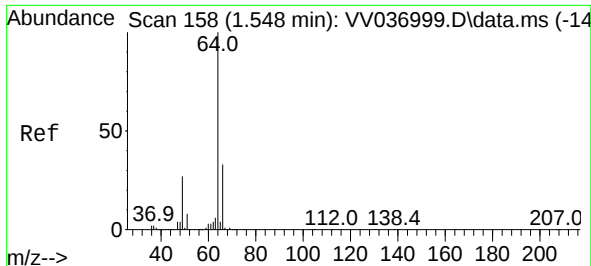
Tgt Ion: 94 Resp: 21359

Ion Ratio Lower Upper

94 100

96 94.0 65.0 120.6

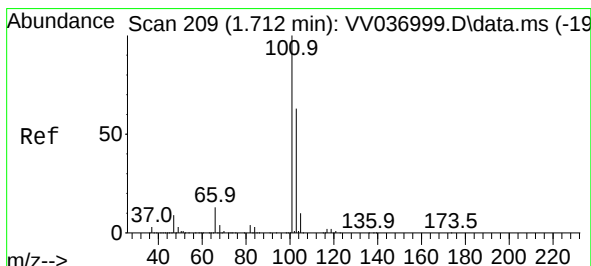
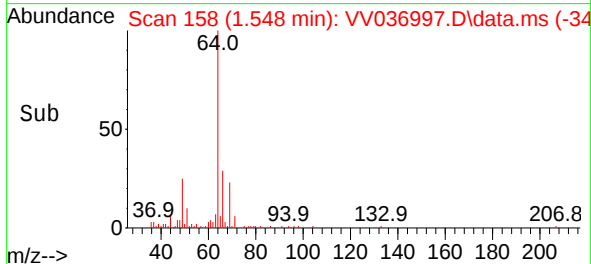
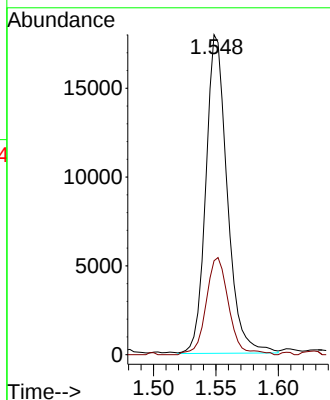
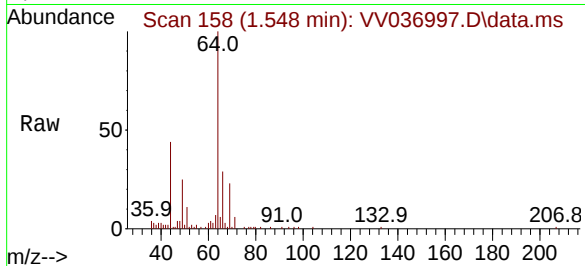




#8
Chloroethane
Concen: 2.838 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

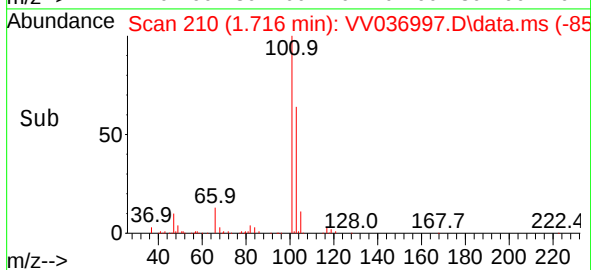
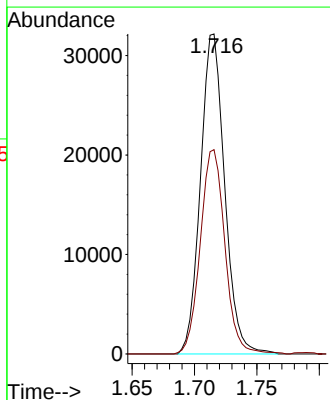
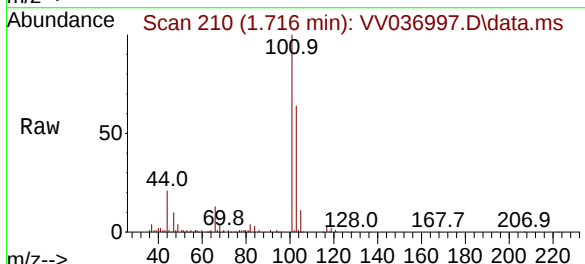
Instrument :
MSVOA_V
ClientSampleId :

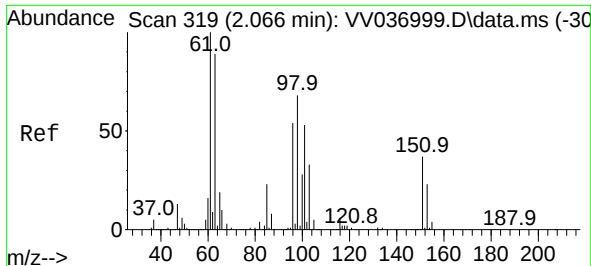
Tgt Ion: 64 Resp: 21452
Ion Ratio Lower Upper
64 100
66 29.4 23.2 43.0



#9
Trichlorofluoromethane
Concen: 2.755 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

Tgt Ion:101 Resp: 43525
Ion Ratio Lower Upper
101 100
103 64.8 51.0 76.6





#10

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

Concen: 2.779 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.000 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

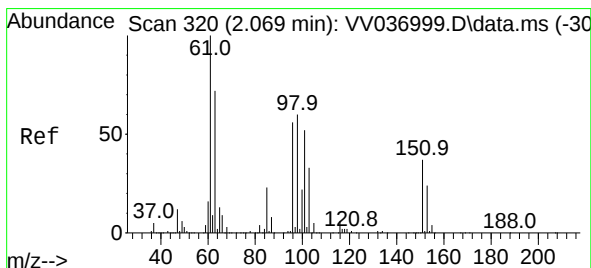
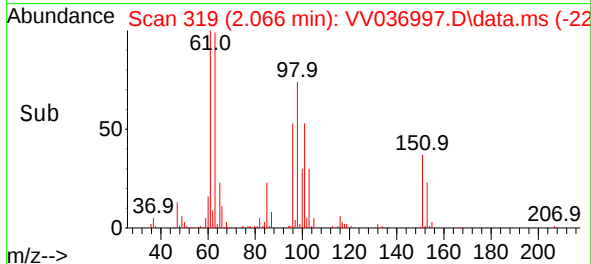
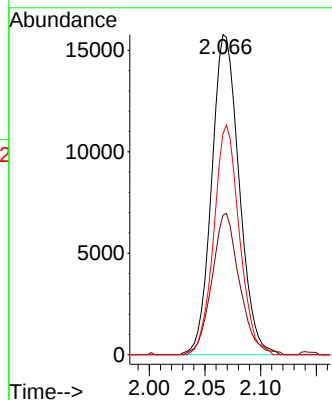
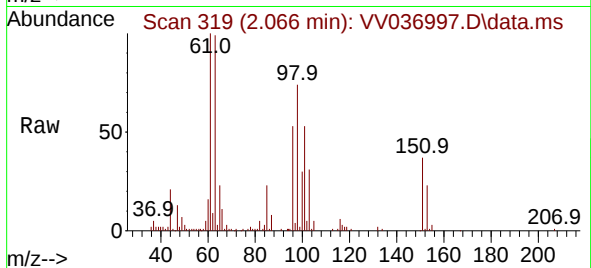
Tgt Ion:101 Resp: 27059

Ion Ratio Lower Upper

101 100

85 44.3 35.6 53.4

151 66.7 56.3 84.5



#12

1,1-Dichloroethene

Concen: 2.785 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

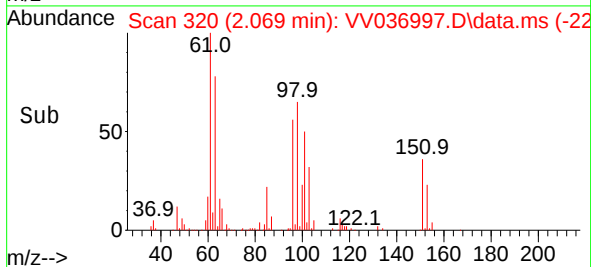
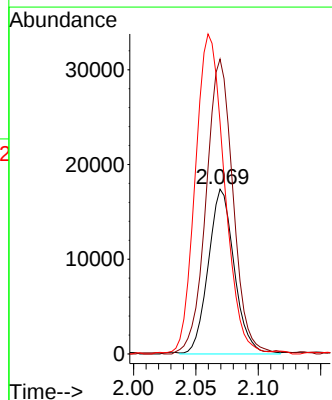
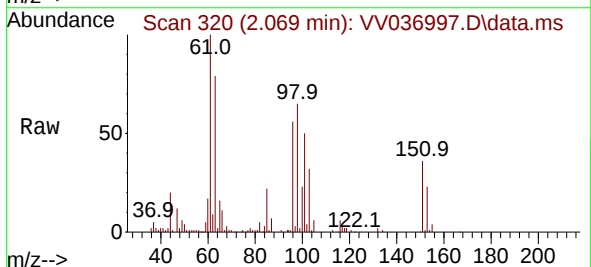
Tgt Ion: 96 Resp: 25255

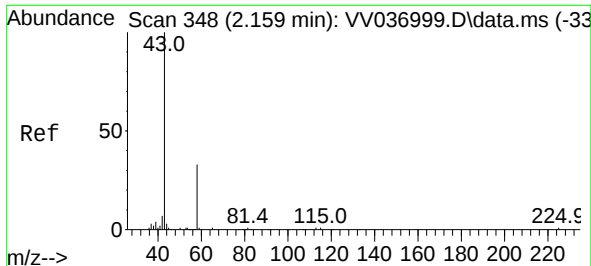
Ion Ratio Lower Upper

96 100

61 178.9 126.0 234.0

63 140.7 91.0 169.0

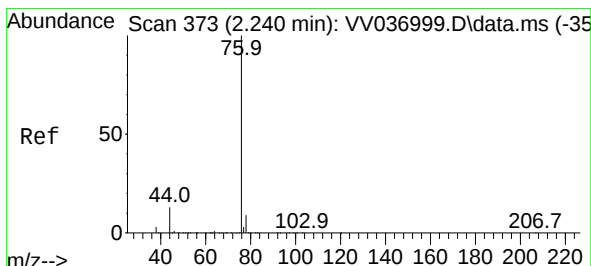
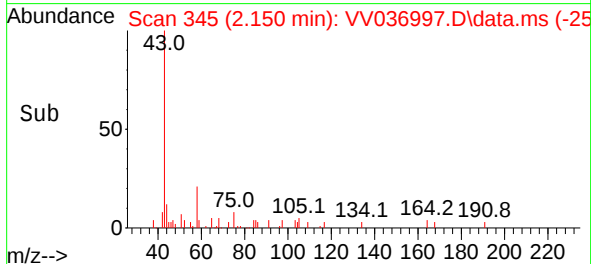
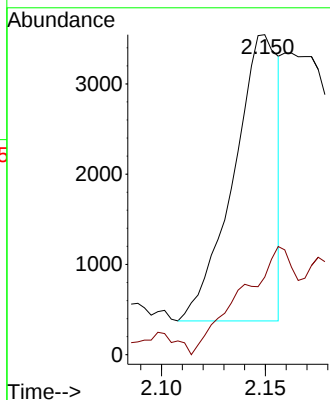
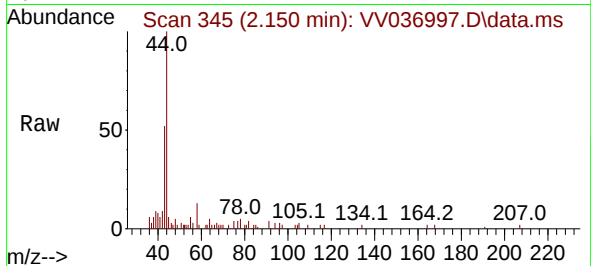




#13
Acetone
Concen: 2.549 ug/L
RT: 2.150 min Scan# 348
Delta R.T. -0.010 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

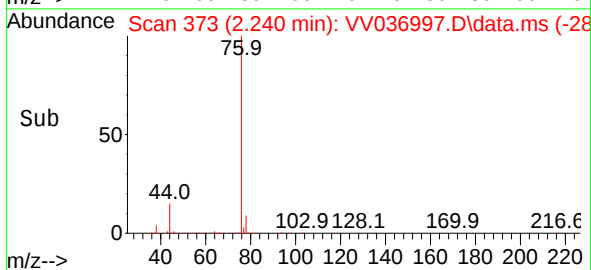
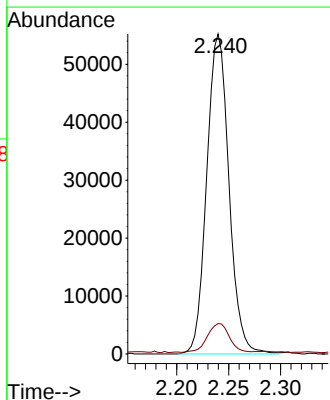
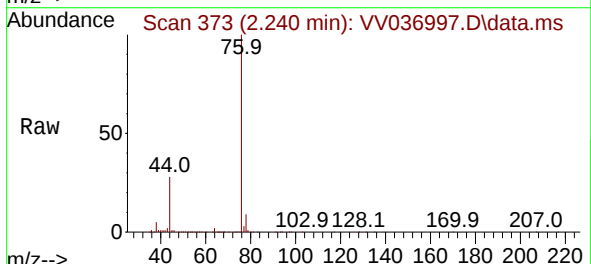
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MSVOA_V
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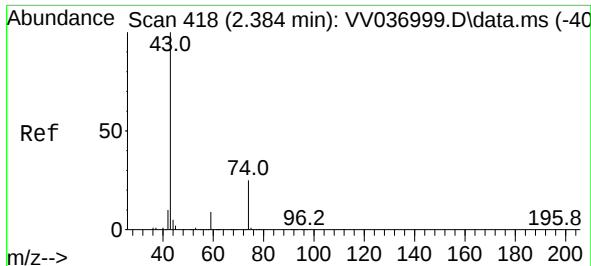
Tgt Ion: 43 Resp: 4740
Ion Ratio Lower Upper
43 100
58 6.4 0.0 21.2



#14
Carbon disulfide
Concen: 2.737 ug/L
RT: 2.240 min Scan# 373
Delta R.T. 0.000 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

Tgt Ion: 76 Resp: 82206
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7





#15

Methyl Acetate

Concen: 2.511 ug/L

RT: 2.391 min Scan# 41

Delta R.T. 0.006 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

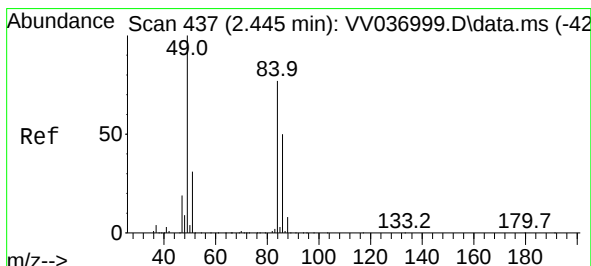
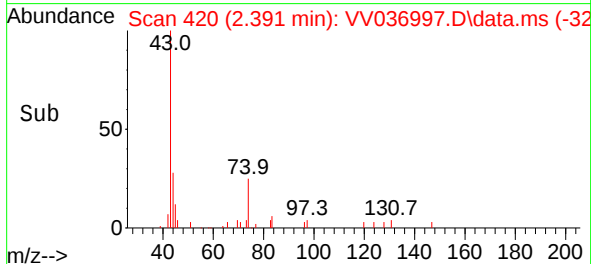
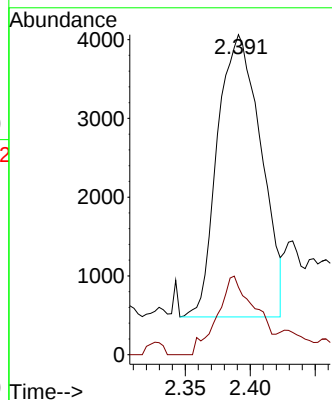
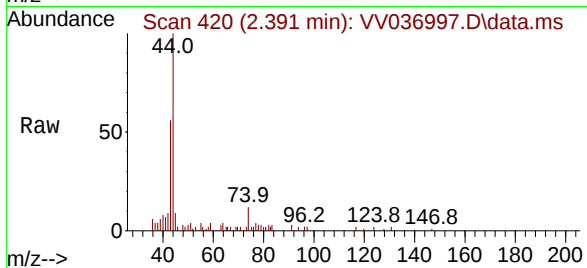
ClientSampleId :

Tgt Ion: 43 Resp: 8341

Ion Ratio Lower Upper

43 100

74 23.2 19.6 29.4



#16

Methylene chloride

Concen: 4.040 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

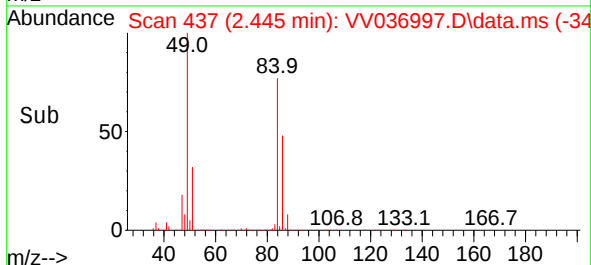
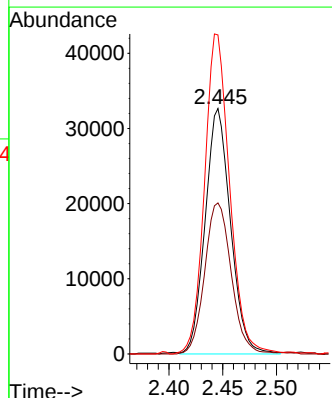
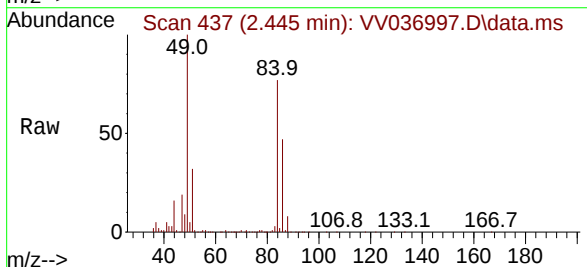
Tgt Ion: 84 Resp: 53704

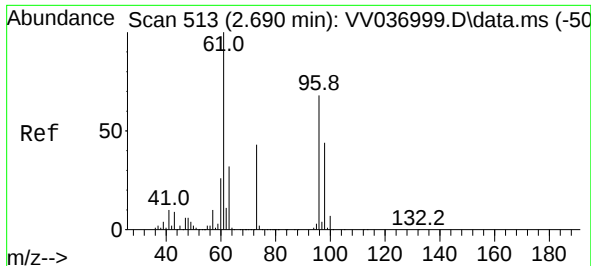
Ion Ratio Lower Upper

84 100

86 61.5 45.4 84.2

49 130.0 91.2 169.4





#17

trans-1,2-Dichloroethene

Concen: 2.658 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

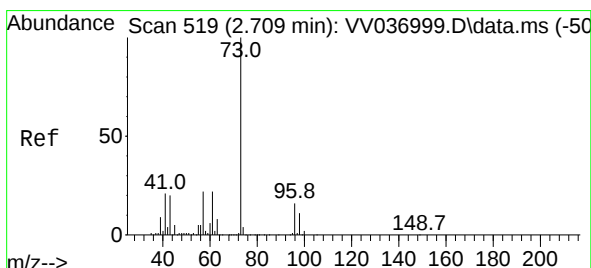
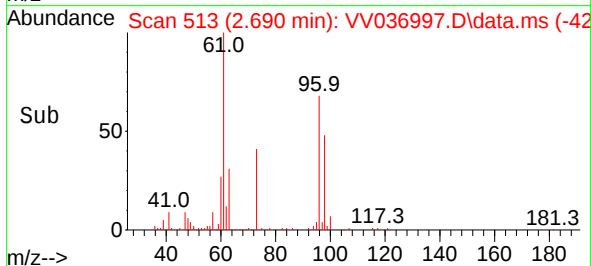
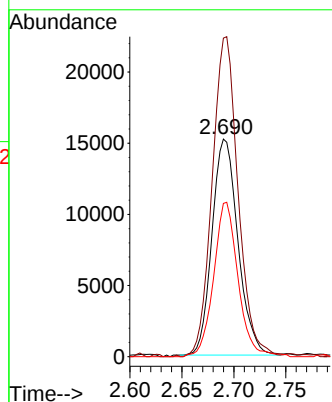
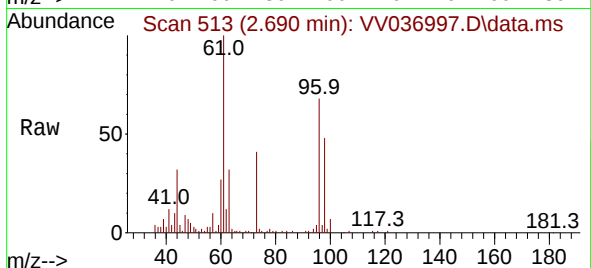
Tgt Ion: 96 Resp: 26387

Ion Ratio Lower Upper

96 100

61 146.5 103.3 191.9

98 70.4 45.0 83.6



#18

Methyl tert-butyl Ether

Concen: 2.679 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

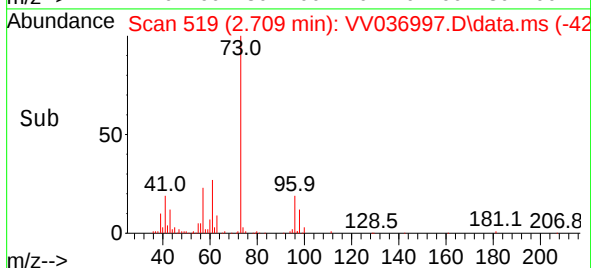
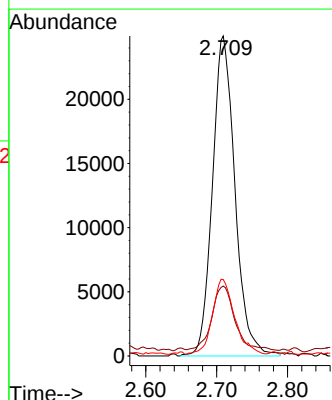
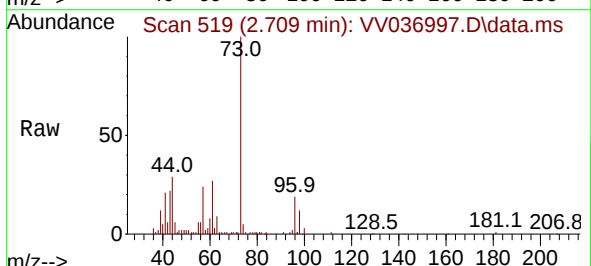
Tgt Ion: 73 Resp: 55092

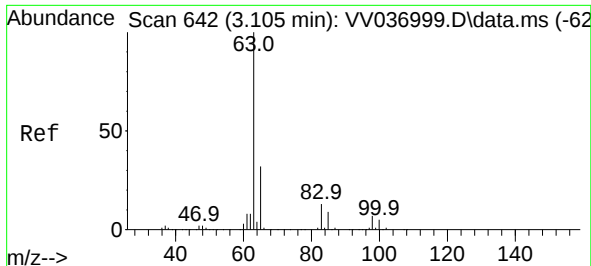
Ion Ratio Lower Upper

73 100

43 19.5 15.9 23.9

57 22.0 17.6 26.4

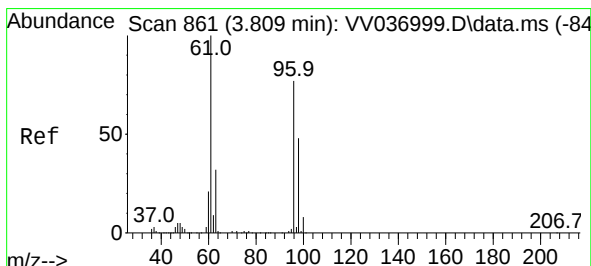
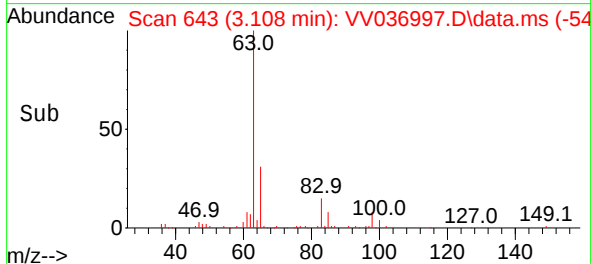
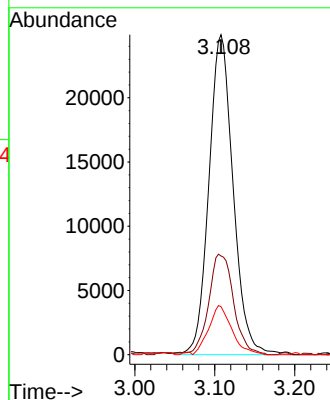
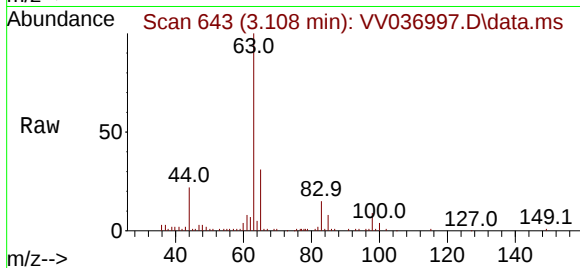




#19
1,1-Dichloroethane
Concen: 2.710 ug/L
RT: 3.108 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

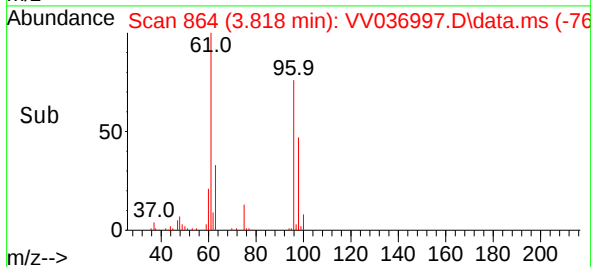
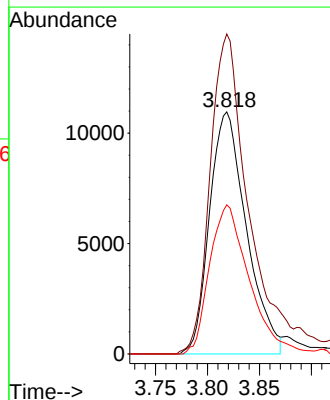
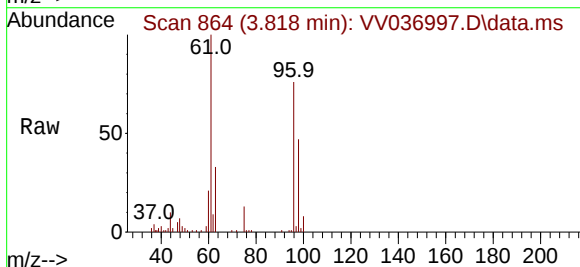
Instrument :
MSVOA_V
ClientSampleId :

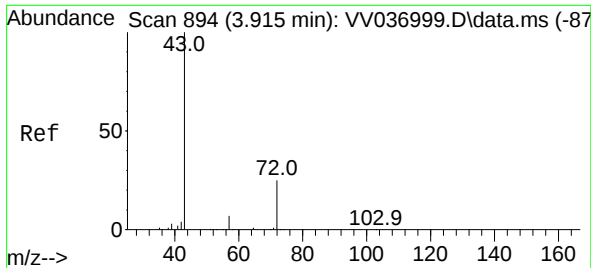
Tgt Ion:	63	Resp:	52366
Ion	Ratio	Lower	Upper
63	100		
65	30.9	22.3	41.3
83	15.0	9.0	16.6



#20
cis-1,2-Dichloroethene
Concen: 2.541 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.010 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

Tgt Ion:	96	Resp:	27060
Ion	Ratio	Lower	Upper
96	100		
61	132.2	91.0	169.0
98	61.6	43.8	81.3





#22

2-Butanone

Concen: 0.960 ug/L

RT: 3.950 min Scan# 905

Delta R.T. 0.035 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

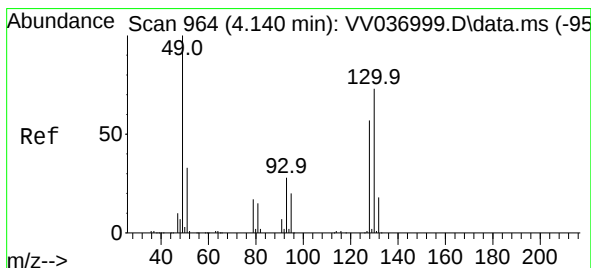
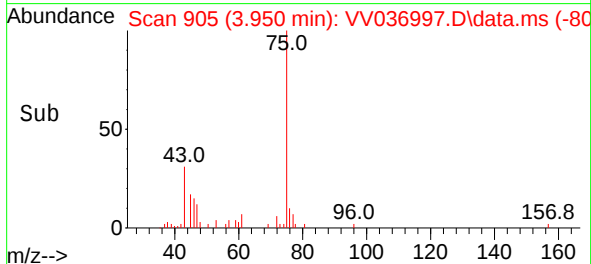
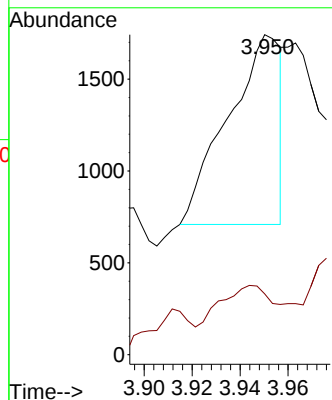
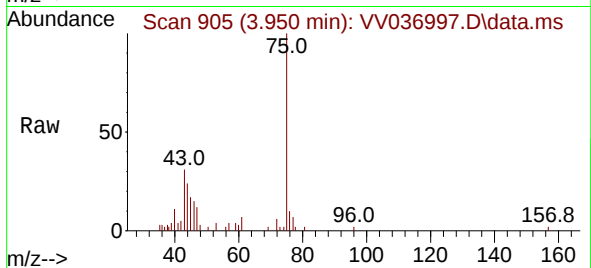
ClientSampleId :

Tgt Ion: 43 Resp: 1576

Ion Ratio Lower Upper

43 100

72 21.3 10.7 32.1



#23

Bromochloromethane

Concen: 2.566 ug/L

RT: 4.150 min Scan# 967

Delta R.T. 0.010 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Tgt Ion:128 Resp: 10844

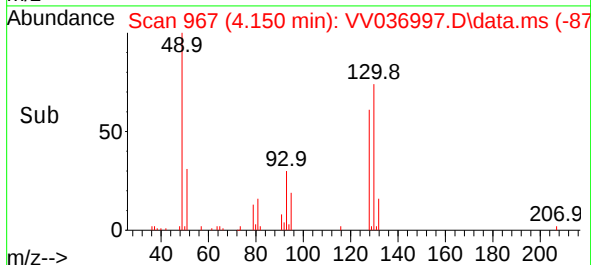
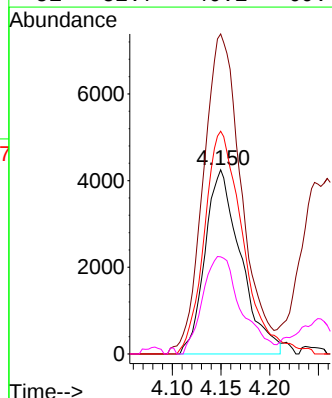
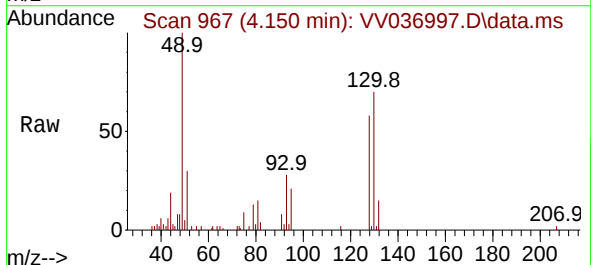
Ion Ratio Lower Upper

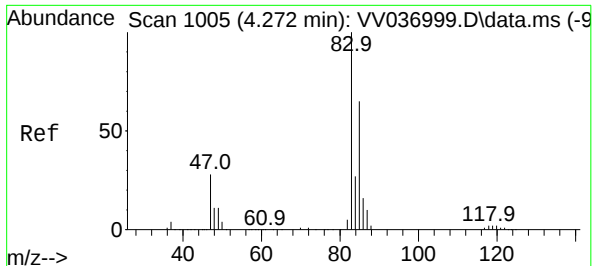
128 100

49 173.8 123.3 229.1

130 120.9 89.7 166.5

51 52.7 46.2 69.4





#25

Chloroform

Concen: 2.605 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

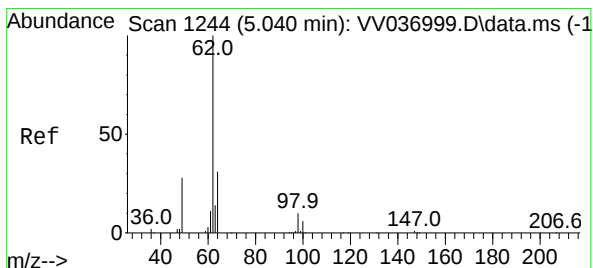
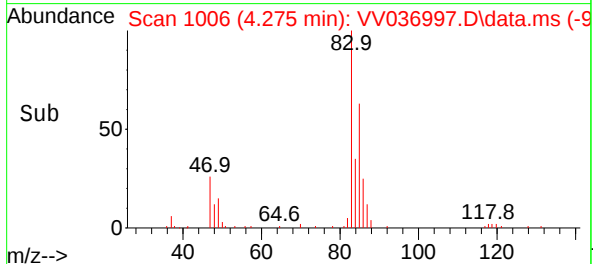
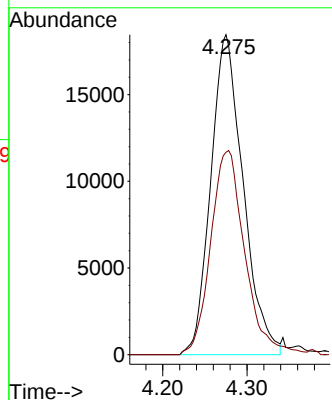
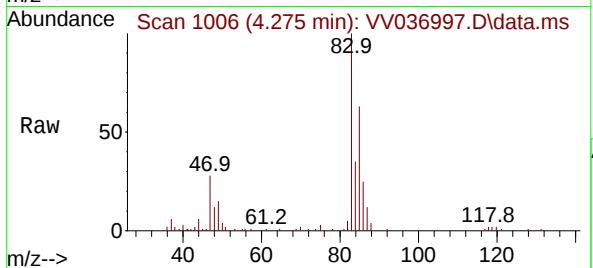
ClientSampleId :

Tgt Ion: 83 Resp: 49205

Ion Ratio Lower Upper

83 100

85 63.3 45.5 84.5



#27

1,2-Dichloroethane

Concen: 2.567 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.006 min

Lab File: VV036997.D

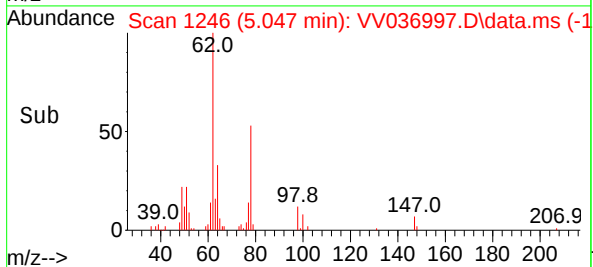
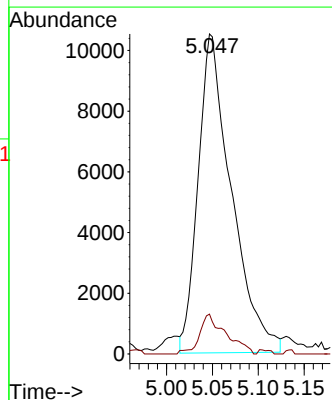
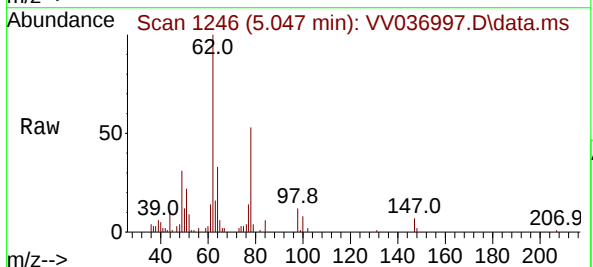
Acq: 22 Aug 2024 08:53

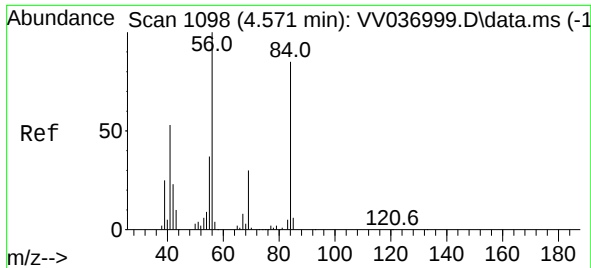
Tgt Ion: 62 Resp: 26519

Ion Ratio Lower Upper

62 100

98 12.5 7.5 11.3#

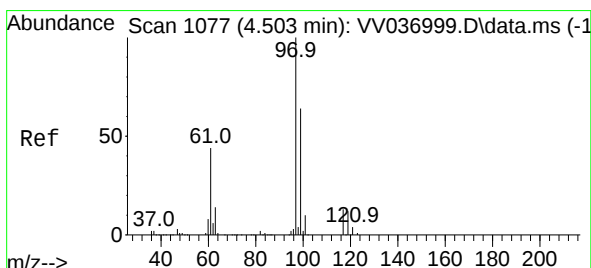
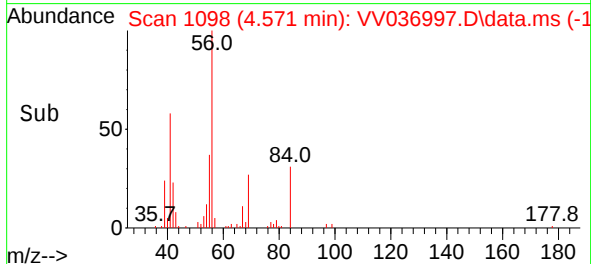
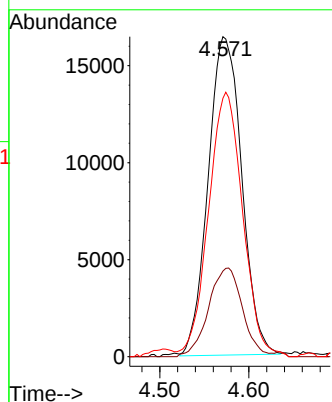
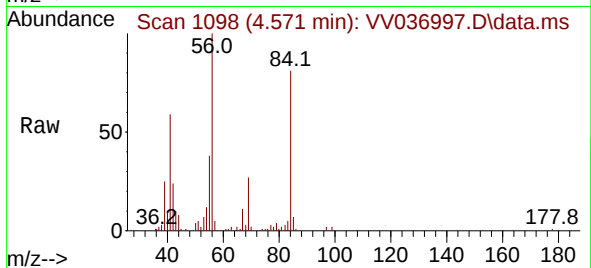




#29
Cyclohexane
Concen: 2.698 ug/L
RT: 4.571 min Scan# 1098
Delta R.T. 0.000 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

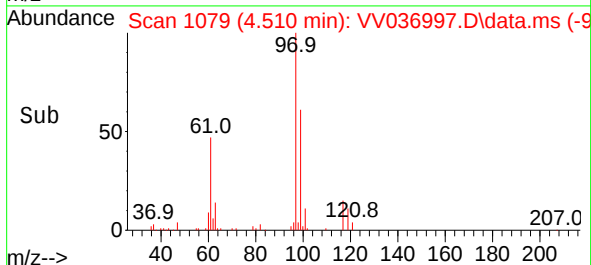
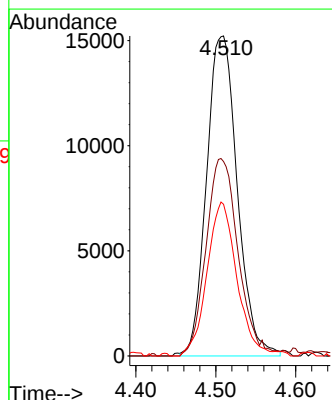
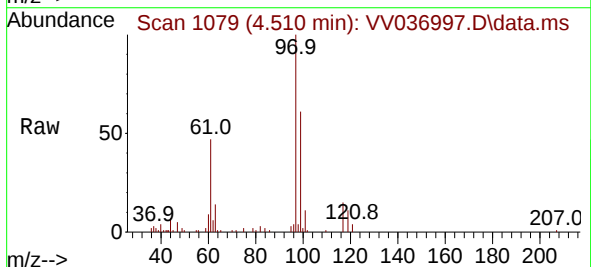
Instrument :
MSVOA_V
ClientSampleId :

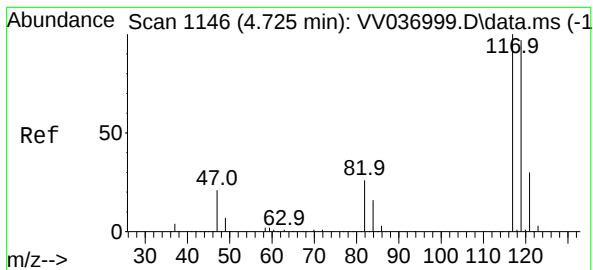
Tgt Ion: 56 Resp: 43031
Ion Ratio Lower Upper
56 100
69 28.1 24.7 37.1
84 84.6 70.0 105.0



#30
1,1,1-Trichloroethane
Concen: 2.630 ug/L
RT: 4.510 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

Tgt Ion: 97 Resp: 40773
Ion Ratio Lower Upper
97 100
99 63.1 51.0 76.4
61 46.4 35.0 52.6





#31

Carbon tetrachloride

Concen: 2.611 ug/L

RT: 4.732 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

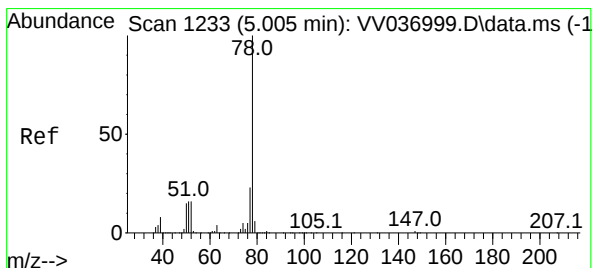
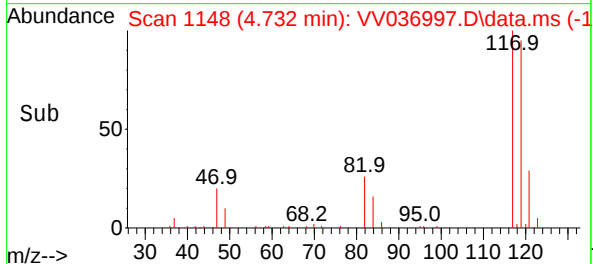
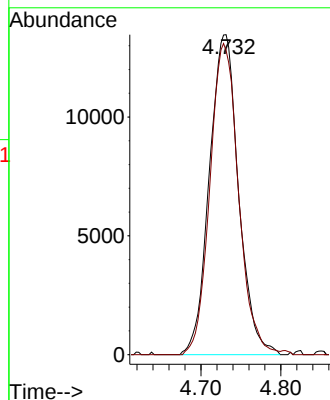
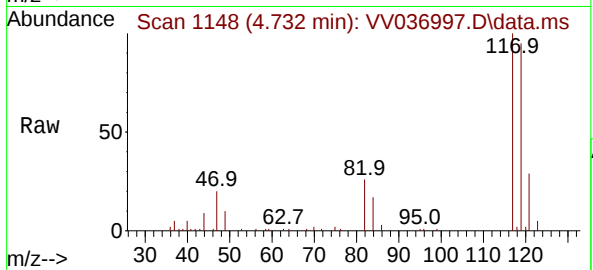
ClientSampleId :

Tgt Ion:117 Resp: 34158

Ion Ratio Lower Upper

117 100

119 95.2 76.6 115.0



#33

Benzene

Concen: 2.614 ug/L

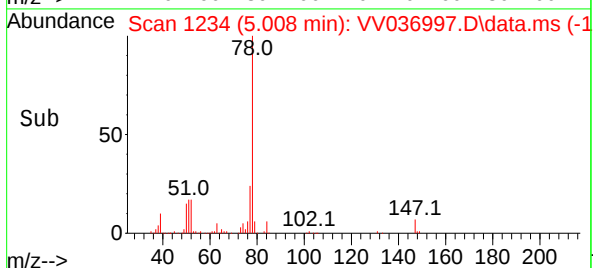
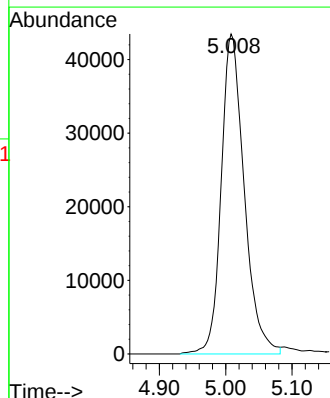
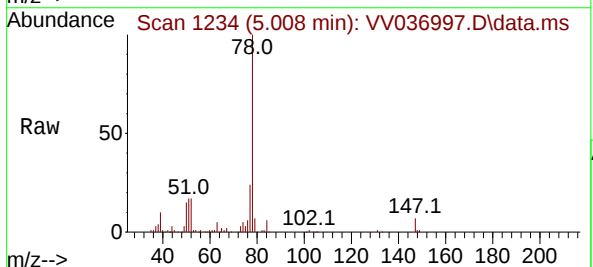
RT: 5.008 min Scan# 1234

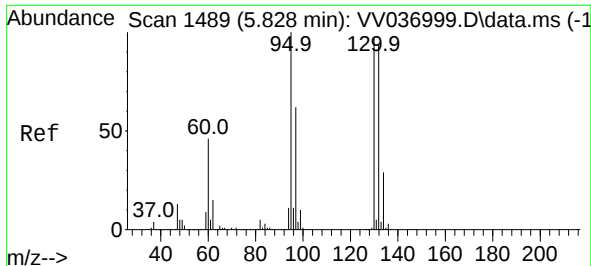
Delta R.T. 0.003 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

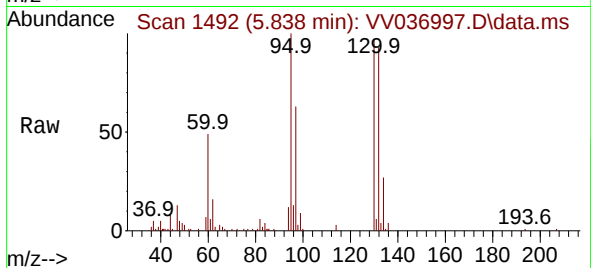
Tgt Ion: 78 Resp: 104753



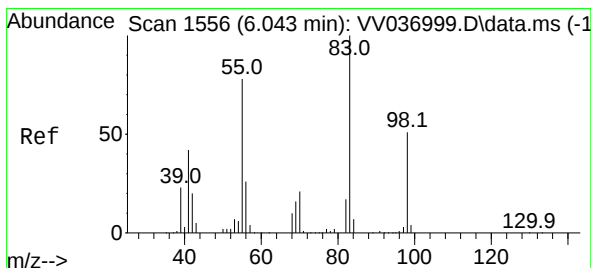
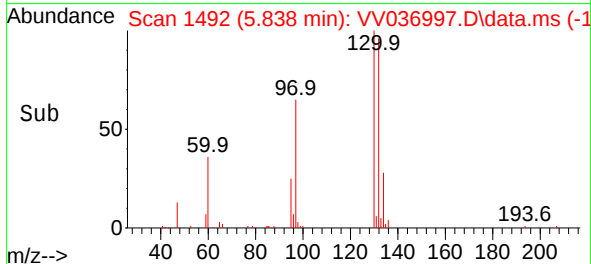
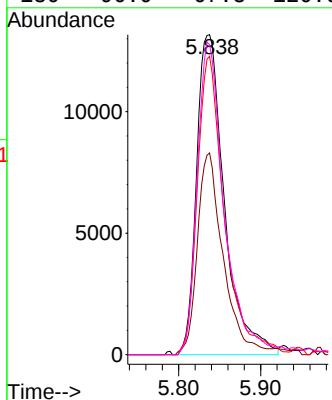


#34
Trichloroethene
Concen: 2.750 ug/L
RT: 5.838 min Scan# 1489
Delta R.T. 0.010 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

Instrument :
MSVOA_V
ClientSampleId :

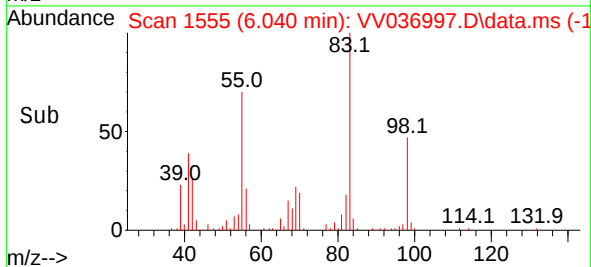
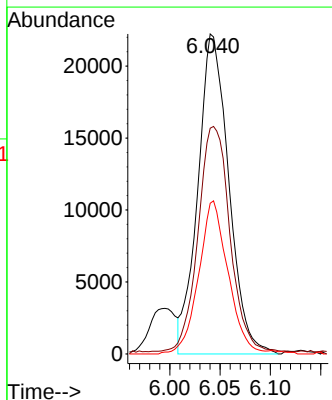
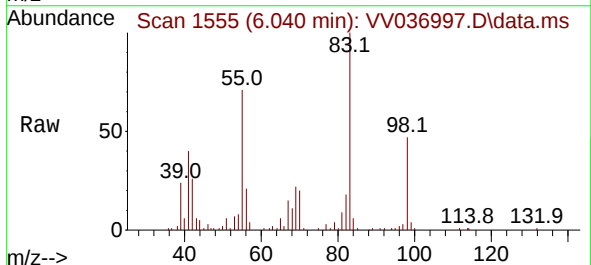


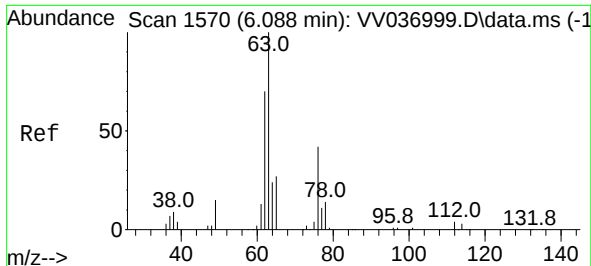
Tgt Ion: 95 Resp: 31109
Ion Ratio Lower Upper
95 100
97 63.1 43.5 80.9
132 93.2 66.1 122.7
130 96.9 67.8 126.0



#35
Methylcyclohexane
Concen: 2.712 ug/L
RT: 6.040 min Scan# 1555
Delta R.T. -0.003 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

Tgt Ion: 83 Resp: 47435
Ion Ratio Lower Upper
83 100
55 75.1 60.9 91.3
98 45.7 39.0 58.6





#37

1,2-Dichloropropane

Concen: 2.557 ug/L

RT: 6.095 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

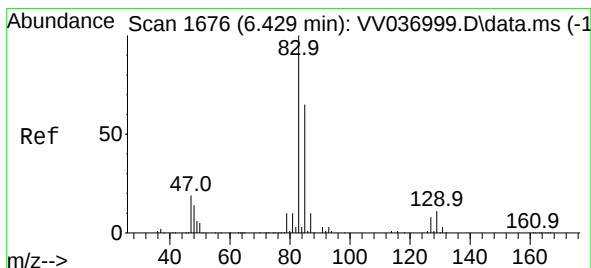
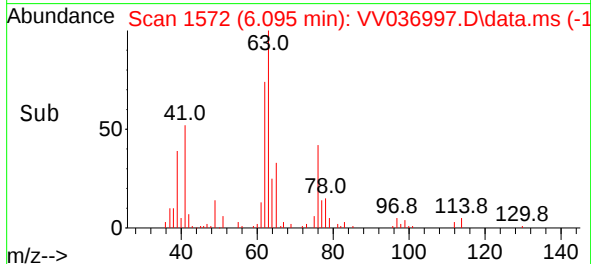
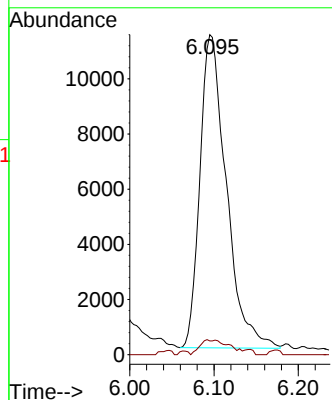
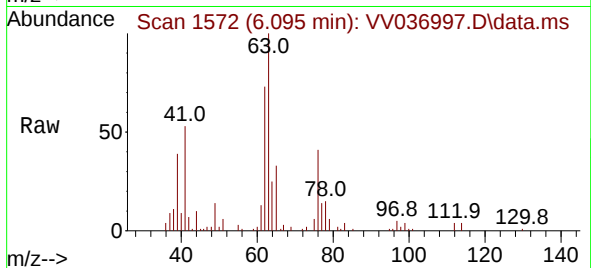
ClientSampleId :

Tgt Ion: 63 Resp: 24752

Ion Ratio Lower Upper

63 100

112 2.3 3.7 5.5#



#38

Bromodichloromethane

Concen: 2.470 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

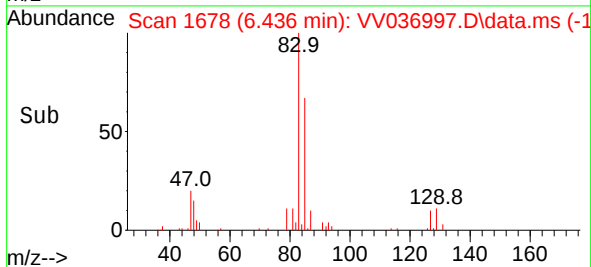
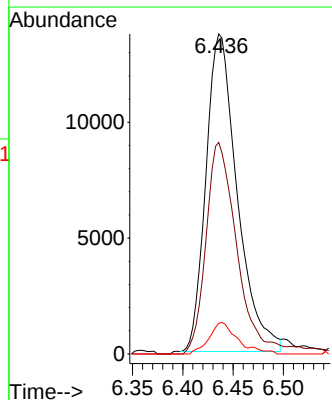
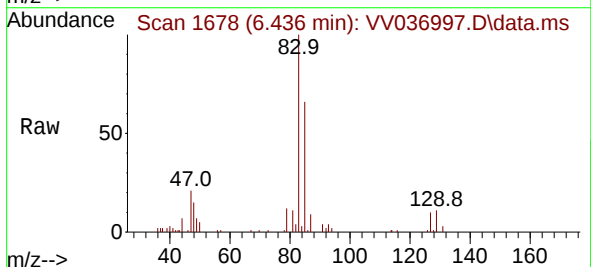
Tgt Ion: 83 Resp: 29701

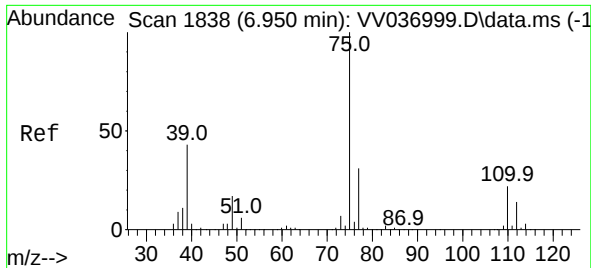
Ion Ratio Lower Upper

83 100

85 66.1 45.6 84.6

127 9.6 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 2.217 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. 0.013 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

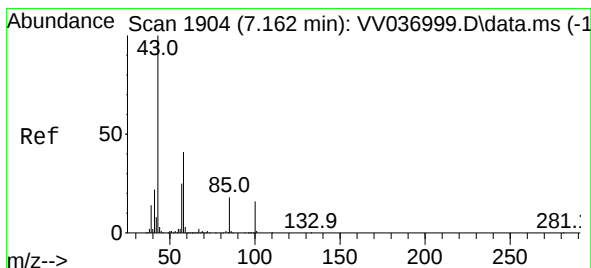
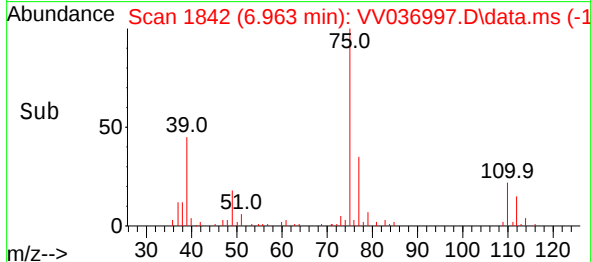
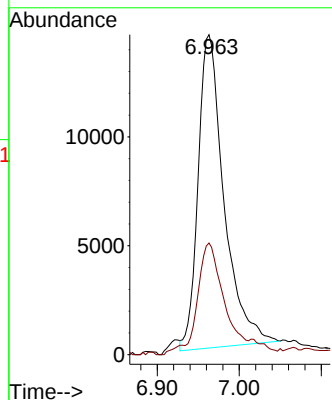
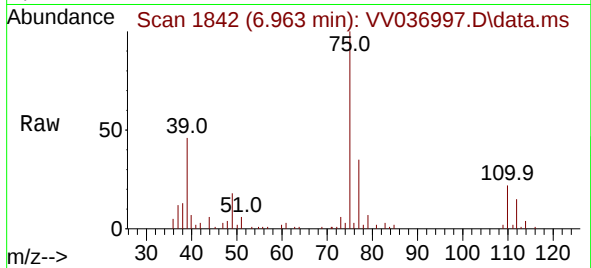
ClientSampleId :

Tgt Ion: 75 Resp: 31529

Ion Ratio Lower Upper

75 100

77 34.9 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 4.376 ug/L

RT: 7.178 min Scan# 1909

Delta R.T. 0.016 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

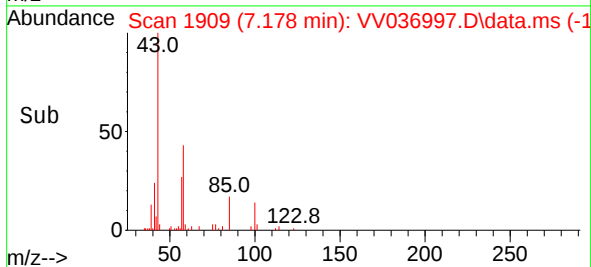
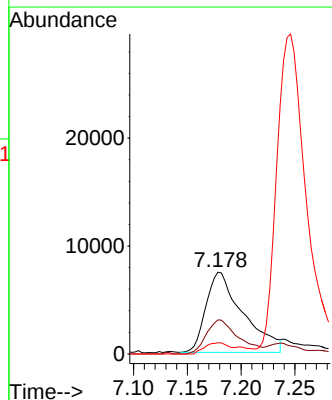
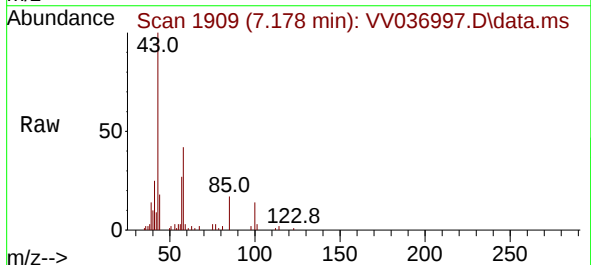
Tgt Ion: 43 Resp: 17844

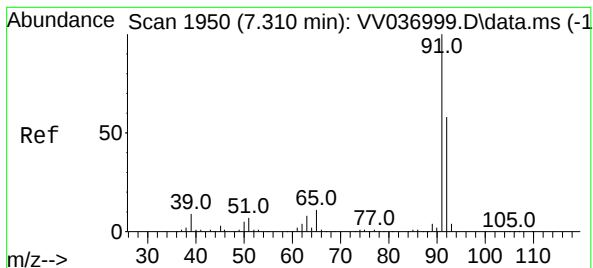
Ion Ratio Lower Upper

43 100

58 36.8 31.1 46.7

100 8.9 12.1 18.1#





#42

Toluene

Concen: 2.612 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

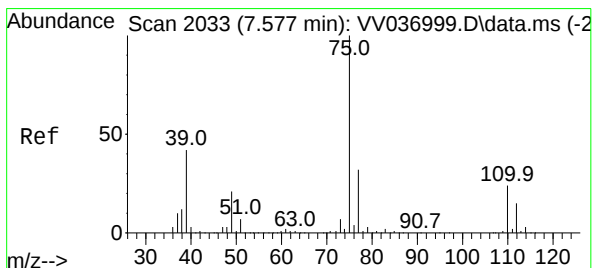
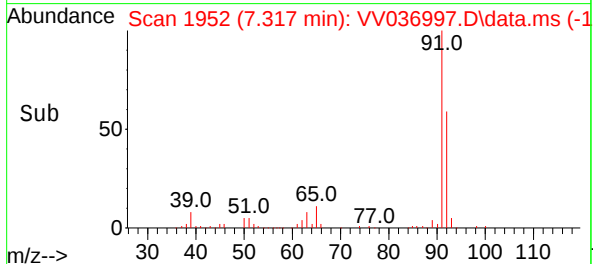
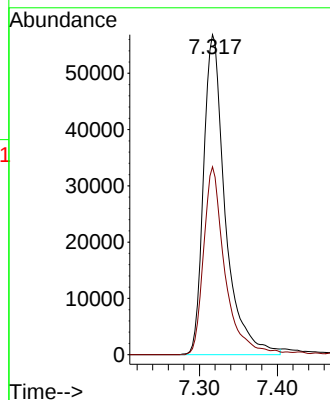
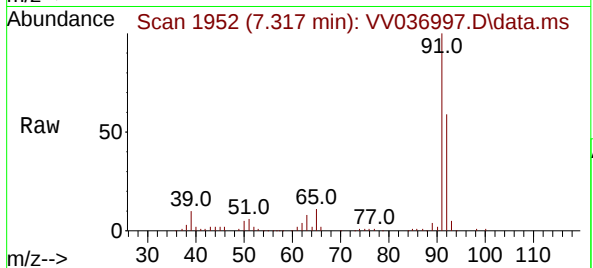
ClientSampleId :

Tgt Ion: 91 Resp: 109648

Ion Ratio Lower Upper

91 100

92 58.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 2.385 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.013 min

Lab File: VV036997.D

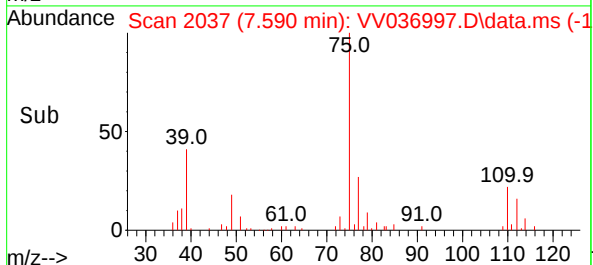
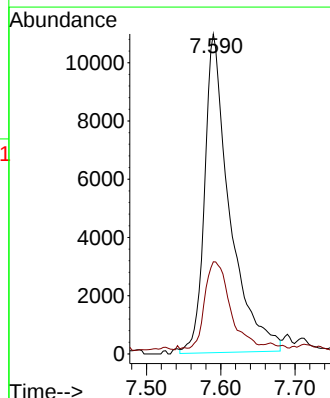
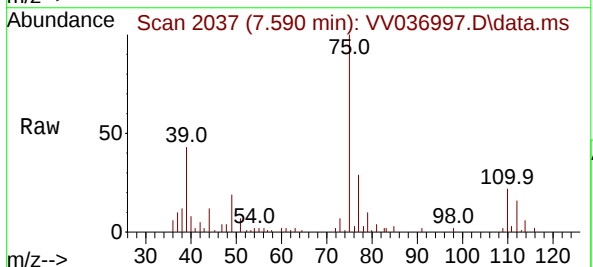
Acq: 22 Aug 2024 08:53

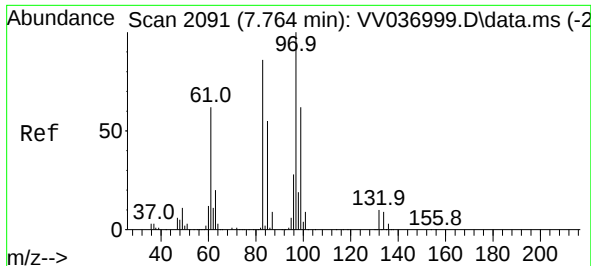
Tgt Ion: 75 Resp: 25653

Ion Ratio Lower Upper

75 100

77 28.8 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 2.556 ug/L

RT: 7.773 min Scan# 2091

Delta R.T. 0.010 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 16238

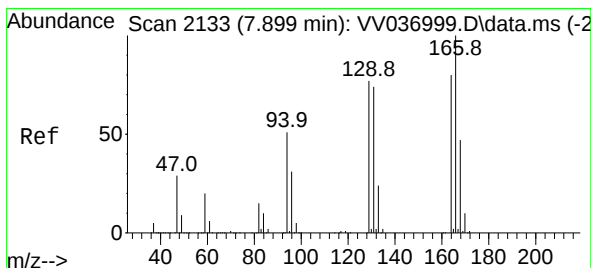
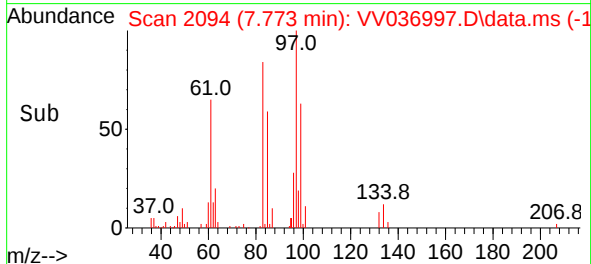
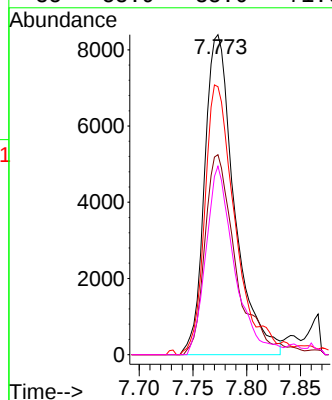
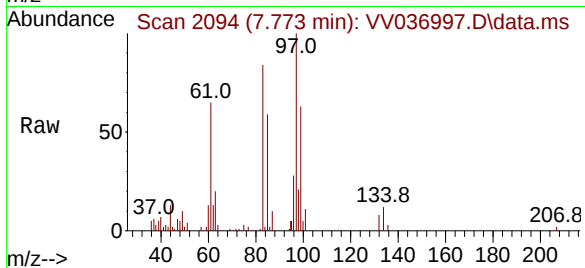
Ion Ratio Lower Upper

97 100

99 62.5 43.5 80.9

83 83.7 60.3 111.9

85 58.9 38.6 71.6



#46

Tetrachloroethene

Concen: 2.795 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Tgt Ion:164 Resp: 22354

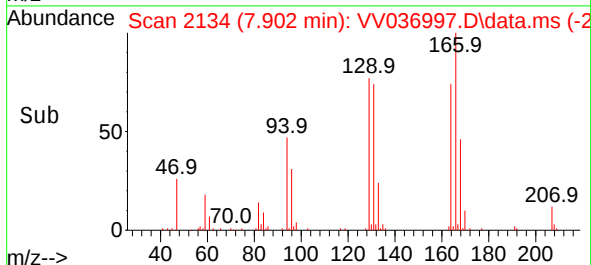
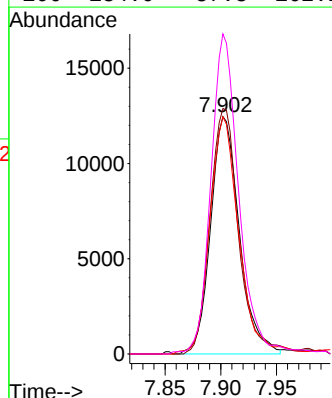
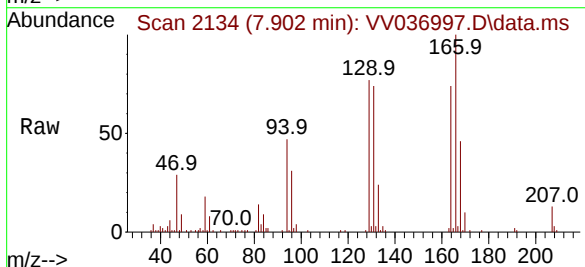
Ion Ratio Lower Upper

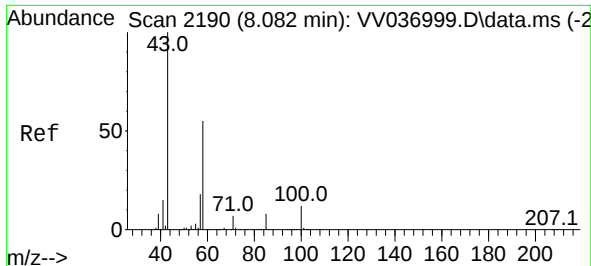
164 100

129 103.4 67.3 124.9

131 99.9 64.8 120.3

166 134.9 87.3 162.1





#48

2-Hexanone

Concen: 0.062 ug/L

RT: 8.066 min Scan# 2185

Delta R.T. -0.016 min

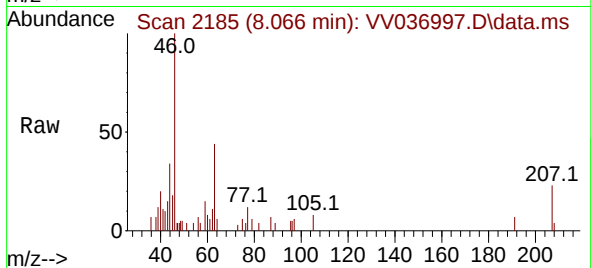
Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 175

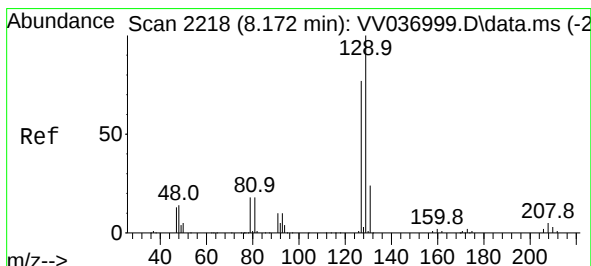
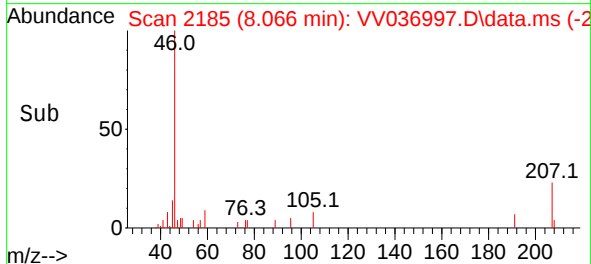
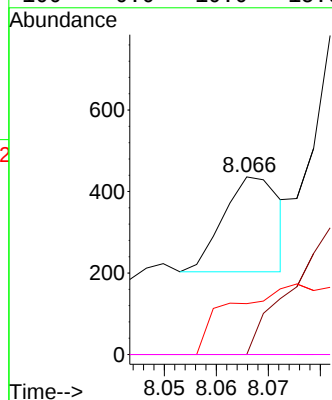
Ion Ratio Lower Upper

43 100

58 0.0 47.9 71.9#

57 40.0 15.1 22.7#

100 0.0 10.0 15.0#



#49

Dibromochloromethane

Concen: 2.431 ug/L

RT: 8.178 min Scan# 2220

Delta R.T. 0.006 min

Lab File: VV036997.D

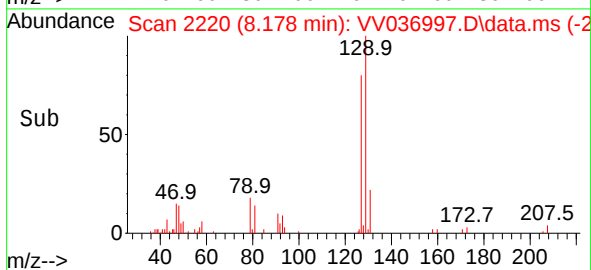
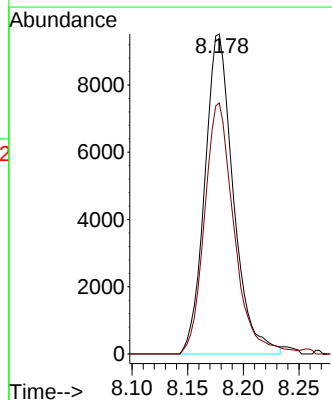
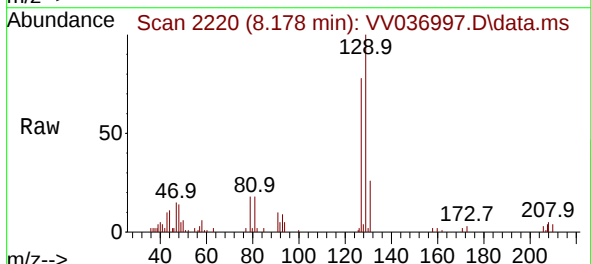
Acq: 22 Aug 2024 08:53

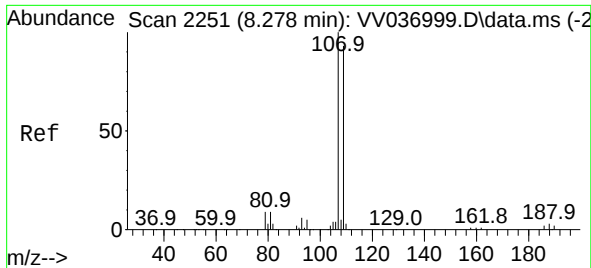
Tgt Ion: 129 Resp: 16992

Ion Ratio Lower Upper

129 100

127 78.4 53.5 99.5

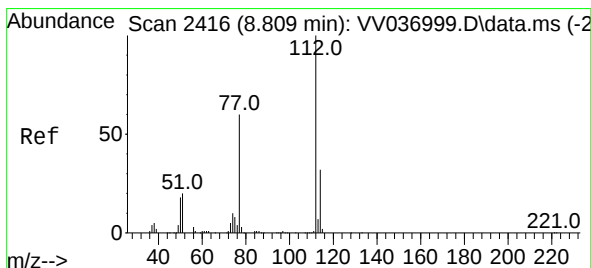
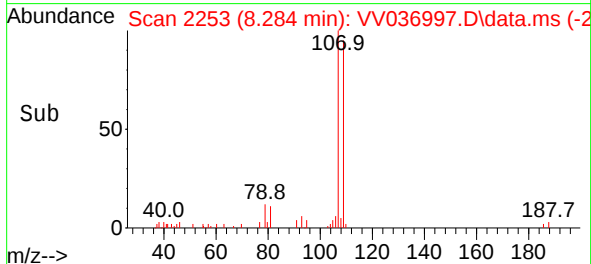
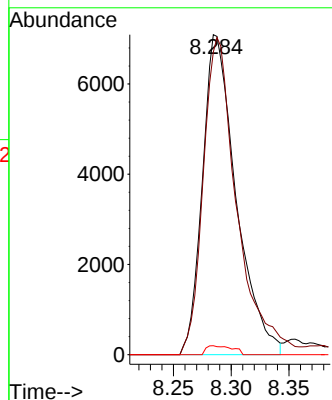
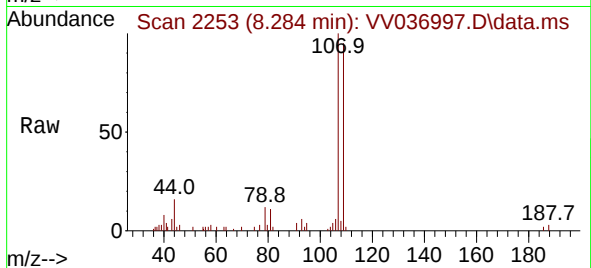




#50
1,2-Dibromoethane
Concen: 2.510 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

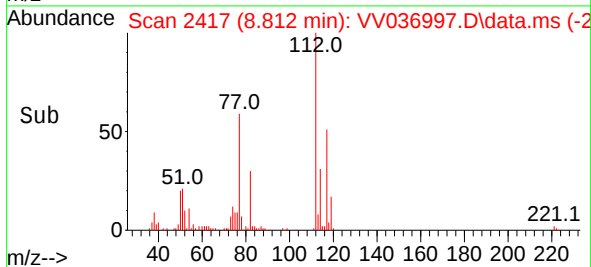
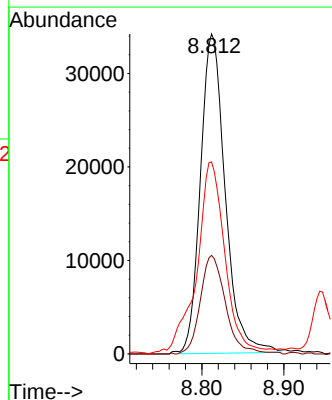
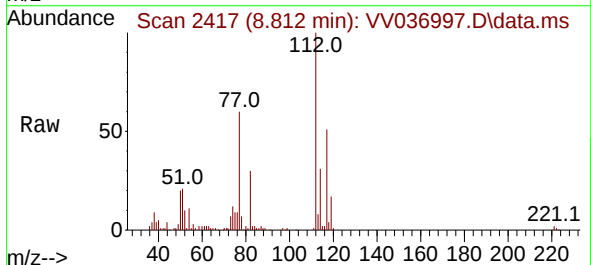
Instrument :
MSVOA_V
ClientSampleId :

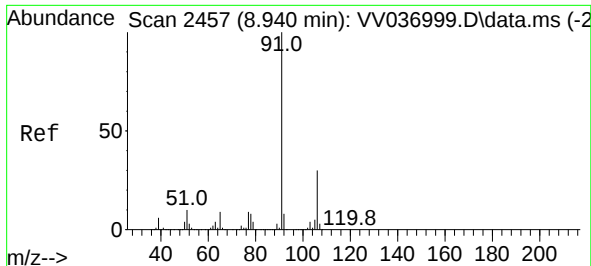
Tgt Ion:107 Resp: 14393
Ion Ratio Lower Upper
107 100
109 94.5 64.9 120.5
188 2.8 2.4 3.6



#51
Chlorobenzene
Concen: 2.670 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

Tgt Ion:112 Resp: 71579
Ion Ratio Lower Upper
112 100
114 30.8 22.7 42.3
77 60.0 48.2 72.2





#52

Ethylbenzene

Concen: 2.572 ug/L

RT: 8.944 min Scan# 2457

Delta R.T. 0.003 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

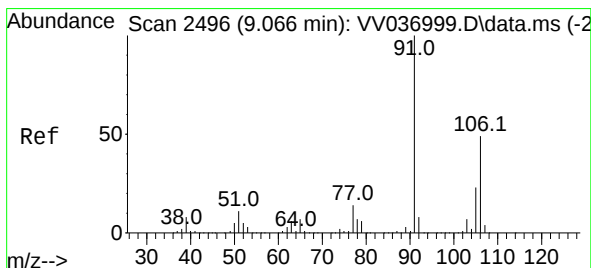
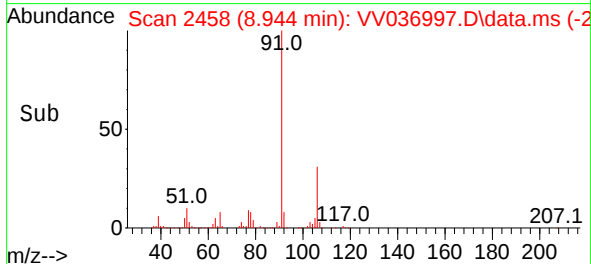
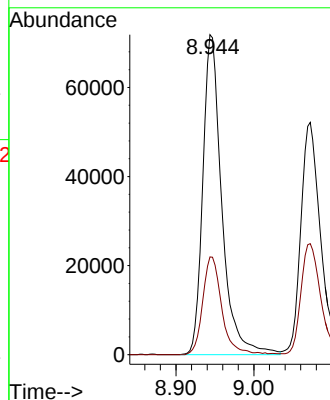
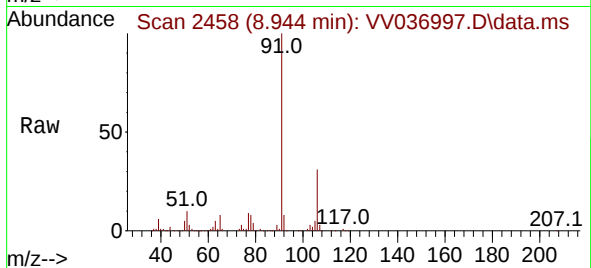
ClientSampleId :

Tgt Ion: 91 Resp: 121750

Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.5



#53

m,p-Xylene

Concen: 2.500 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.006 min

Lab File: VV036997.D

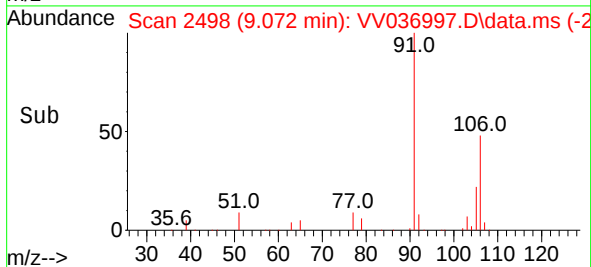
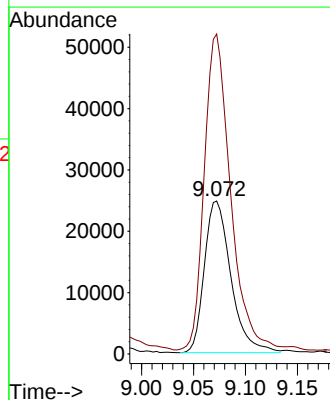
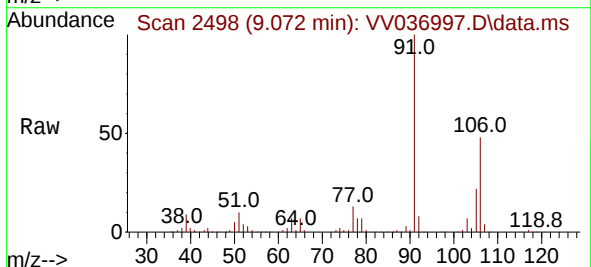
Acq: 22 Aug 2024 08:53

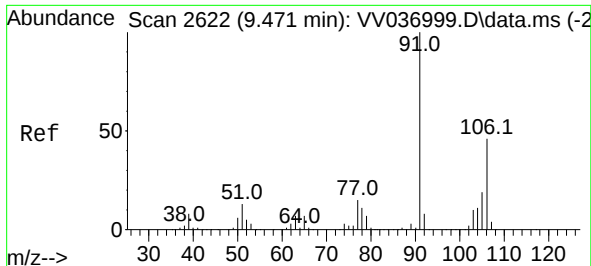
Tgt Ion:106 Resp: 43974

Ion Ratio Lower Upper

106 100

91 209.1 142.4 264.4





#54

o-Xylene

Concen: 2.466 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.006 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

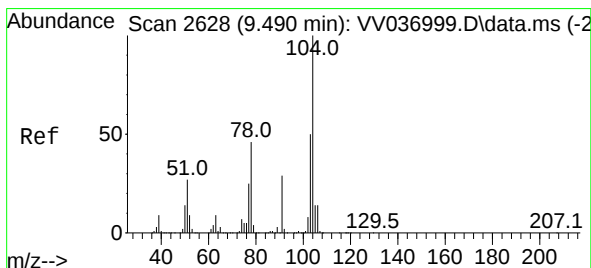
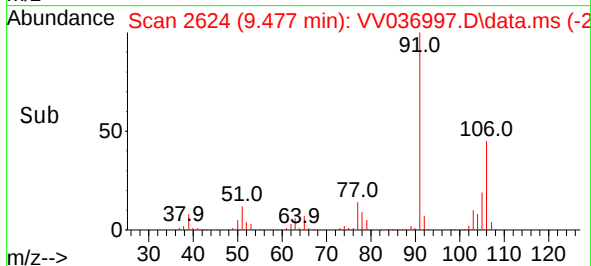
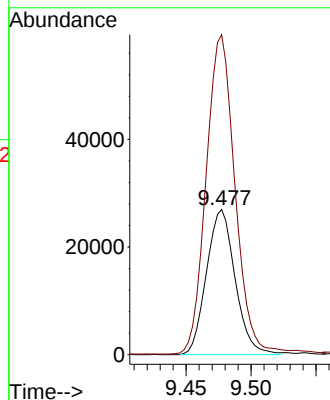
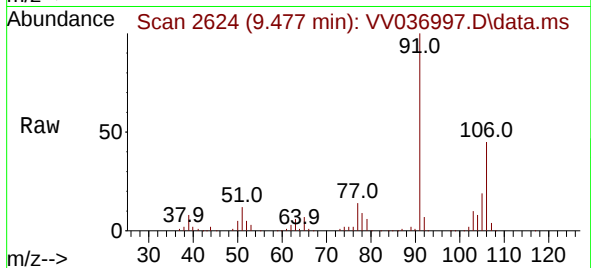
ClientSampleId :

Tgt Ion:106 Resp: 41443

Ion Ratio Lower Upper

106 100

91 220.3 152.8 283.8



#55

Styrene

Concen: 2.406 ug/L

RT: 9.497 min Scan# 2630

Delta R.T. 0.006 min

Lab File: VV036997.D

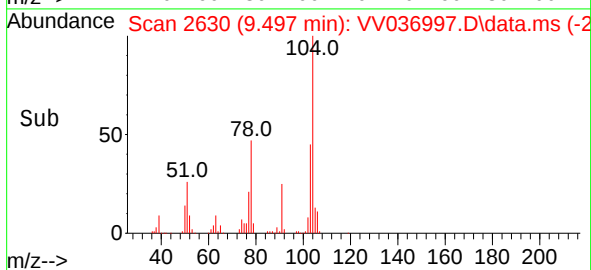
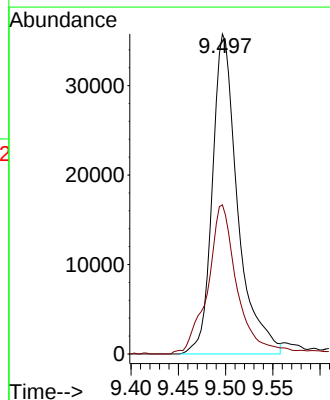
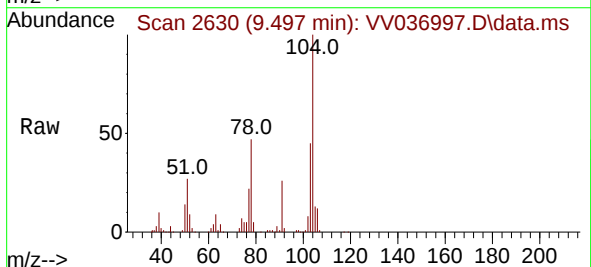
Acq: 22 Aug 2024 08:53

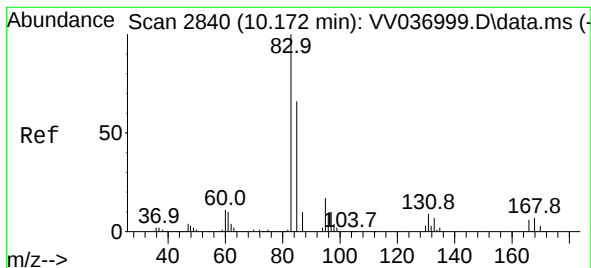
Tgt Ion:104 Resp: 66722

Ion Ratio Lower Upper

104 100

78 46.6 31.9 59.2

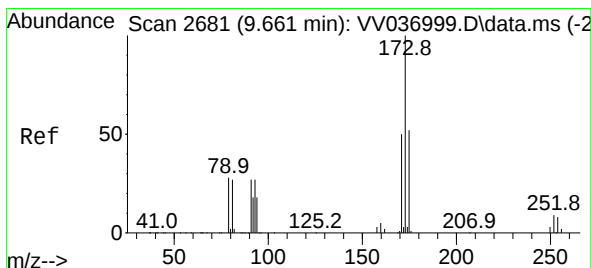
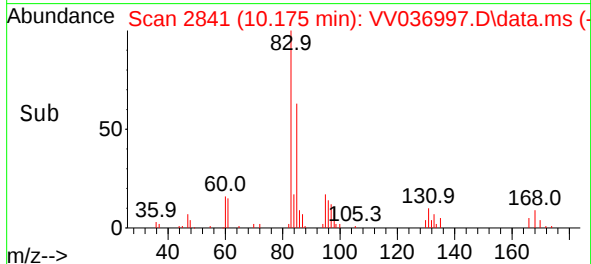
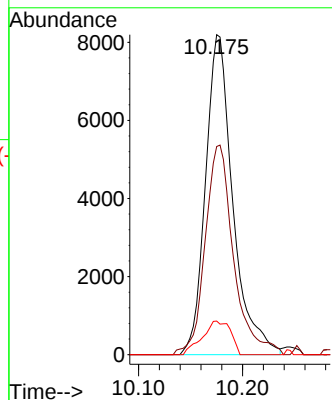
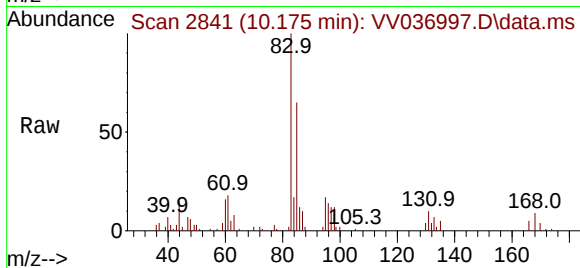




#57
1,1,2,2-Tetrachloroethane
Concen: 2.545 ug/L
RT: 10.175 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

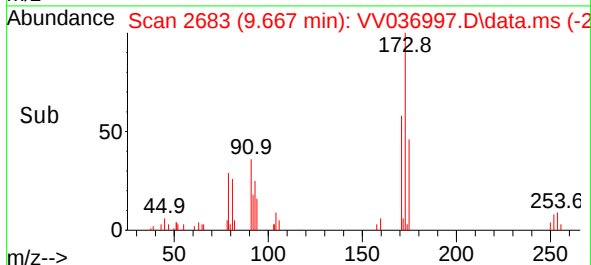
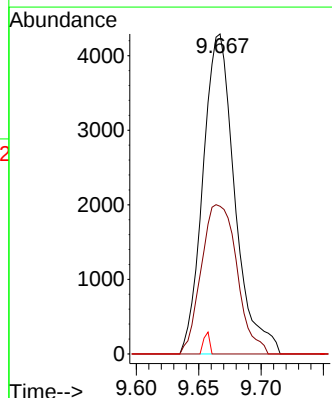
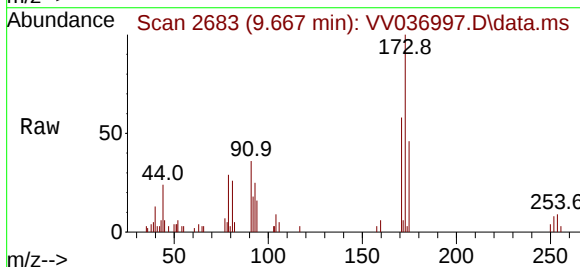
Instrument :
MSVOA_V
ClientSampleId :

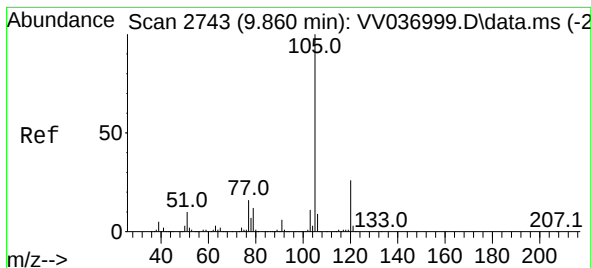
Tgt Ion: 83 Resp: 14971
Ion Ratio Lower Upper
83 100
85 65.1 46.4 86.2
131 10.5 7.6 11.4



#59
Bromoform
Concen: 2.357 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.006 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

Tgt Ion: 173 Resp: 7604
Ion Ratio Lower Upper
173 100
175 52.3 40.1 60.1
254 1.3 6.2 9.4#





#60

Isopropylbenzene

Concen: 2.571 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

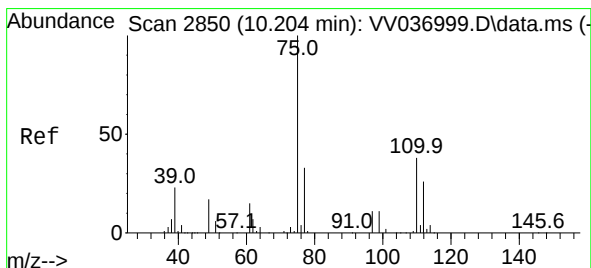
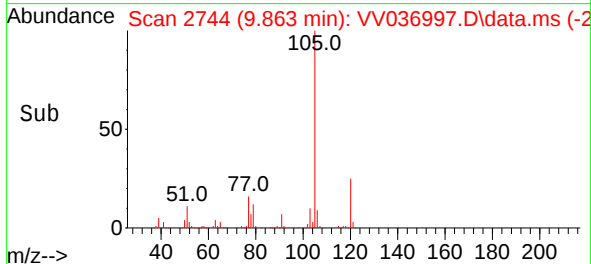
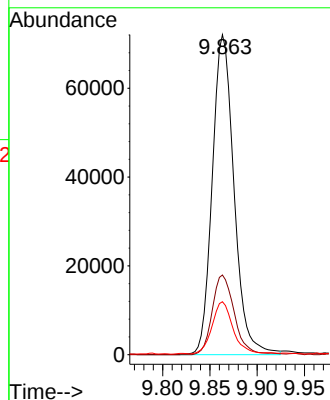
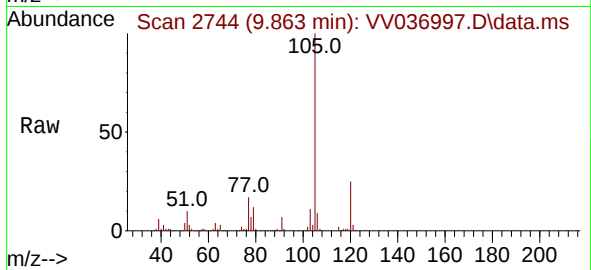
Tgt Ion:105 Resp: 115465

Ion Ratio Lower Upper

105 100

120 25.0 20.8 31.2

77 15.5 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 2.646 ug/L

RT: 10.210 min Scan# 2852

Delta R.T. 0.006 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

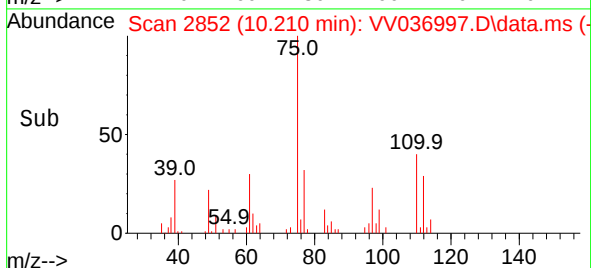
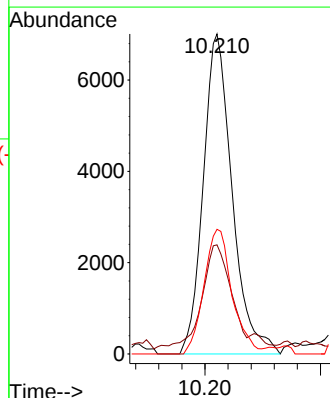
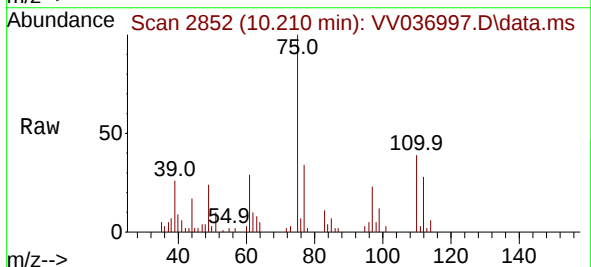
Tgt Ion: 75 Resp: 12152

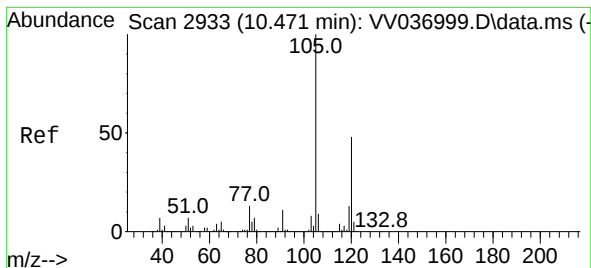
Ion Ratio Lower Upper

75 100

77 30.0 25.5 38.3

110 37.9 31.0 46.4





#62

1,3,5-Trimethylbenzene

Concen: 2.546 ug/L

RT: 10.474 min Scan# 20

Delta R.T. 0.003 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

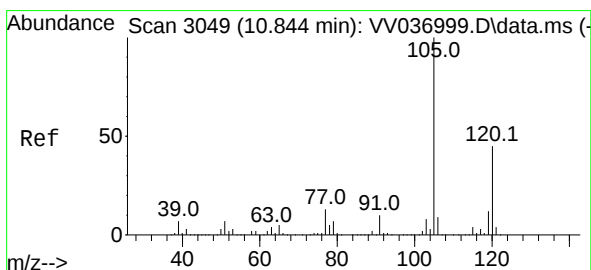
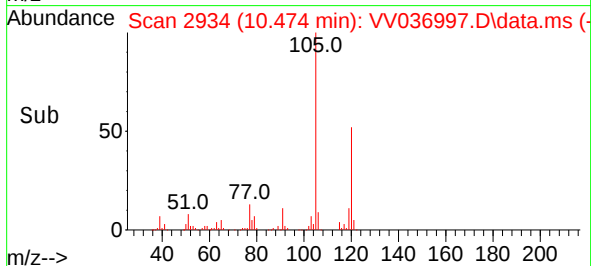
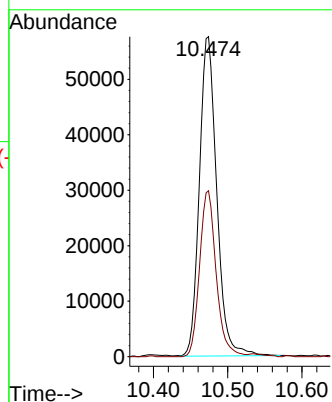
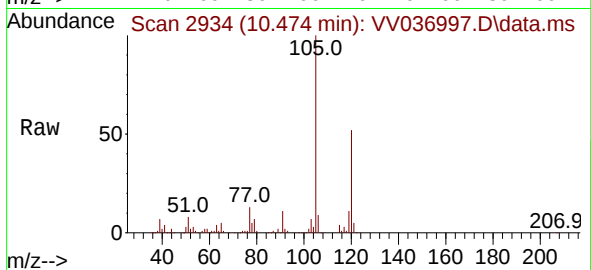
ClientSampleId :

Tgt Ion:105 Resp: 93609

Ion Ratio Lower Upper

105 100

120 49.5 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 2.479 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036997.D

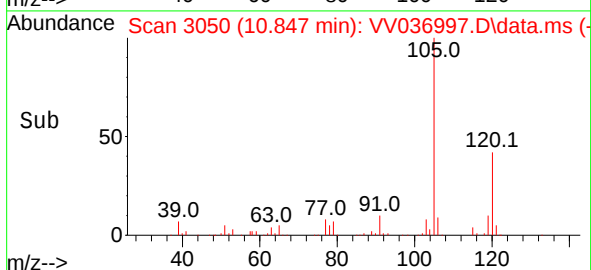
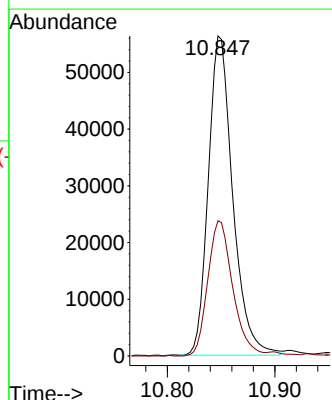
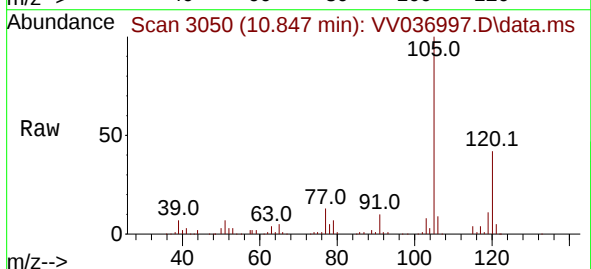
Acq: 22 Aug 2024 08:53

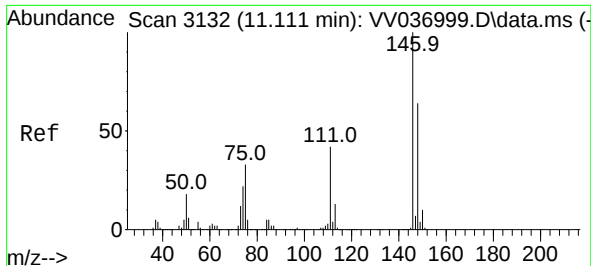
Tgt Ion:105 Resp: 88855

Ion Ratio Lower Upper

105 100

120 43.1 36.2 54.2

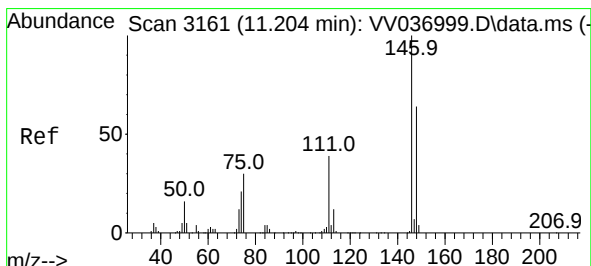
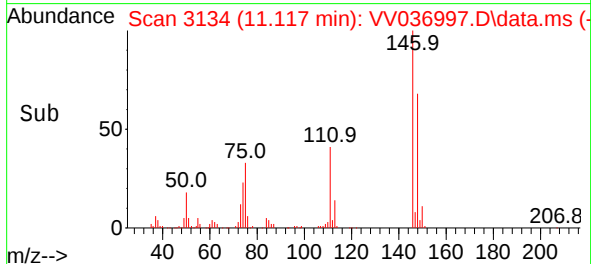
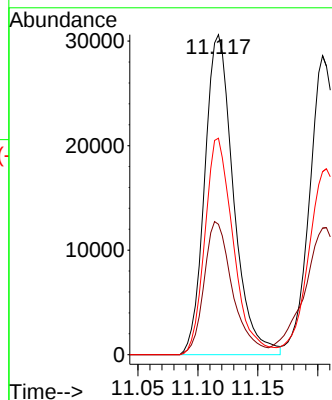
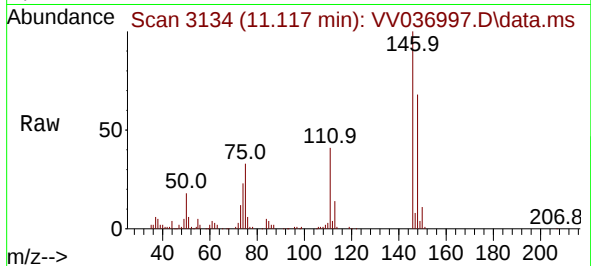




#64
1,3-Dichlorobenzene
Concen: 2.666 ug/L
RT: 11.117 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

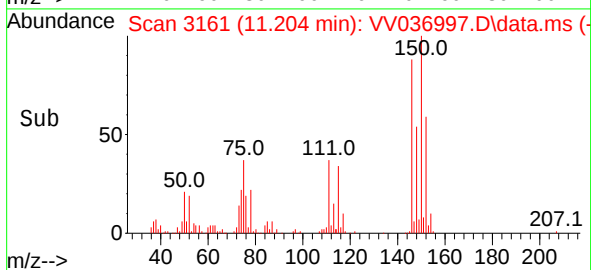
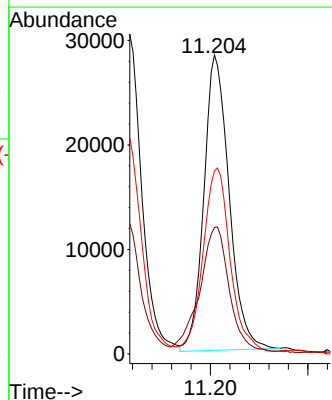
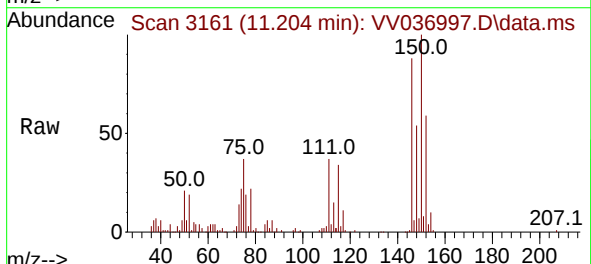
Instrument :
MSVOA_V
ClientSampleId :

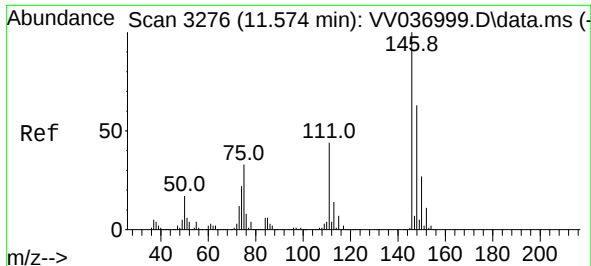
Tgt Ion:146 Resp: 51168
Ion Ratio Lower Upper
146 100
111 40.8 29.5 54.9
148 67.7 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 2.652 ug/L
RT: 11.204 min Scan# 3161
Delta R.T. 0.000 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

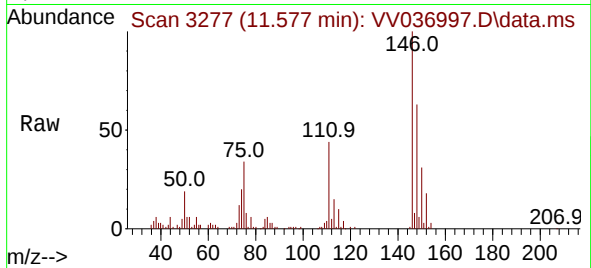
Tgt Ion:146 Resp: 50846
Ion Ratio Lower Upper
146 100
111 42.3 27.6 51.4
148 61.2 44.9 83.3



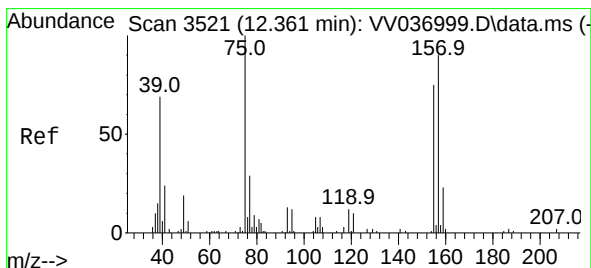
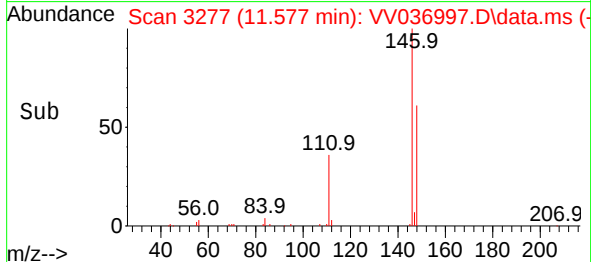
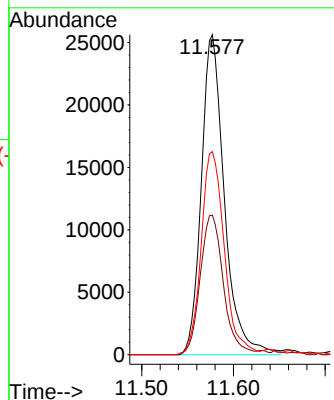


#67
1,2-Dichlorobenzene
Concen: 2.694 ug/L
RT: 11.577 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

Instrument :
MSVOA_V
ClientSampleId :

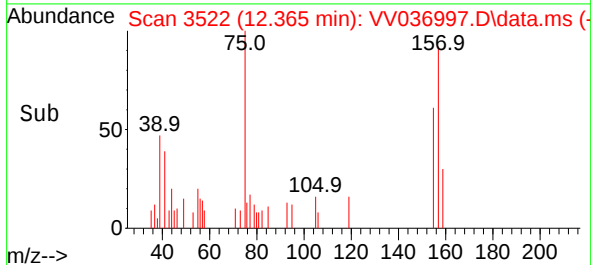
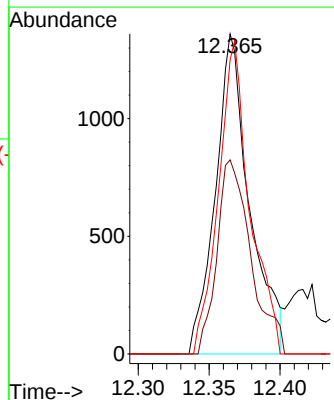
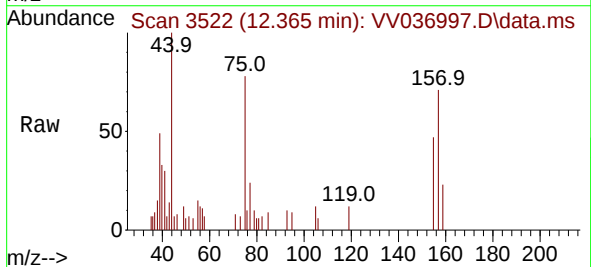


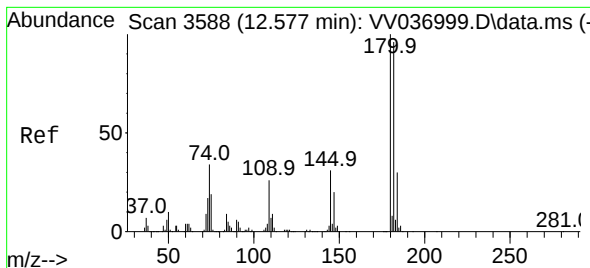
Tgt Ion:146 Resp: 44793
Ion Ratio Lower Upper
146 100
111 43.6 35.4 53.0
148 63.4 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 2.537 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.003 min
Lab File: VV036997.D
Acq: 22 Aug 2024 08:53

Tgt Ion: 75 Resp: 2281
Ion Ratio Lower Upper
75 100
155 60.7 59.9 89.9
157 91.9 72.2 108.2





#69

1,3,5-Trichlorobenzene

Concen: 2.653 ug/L

RT: 12.580 min Scan# 3588

Delta R.T. 0.003 min

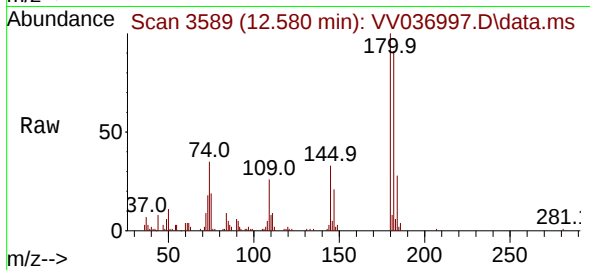
Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 35482

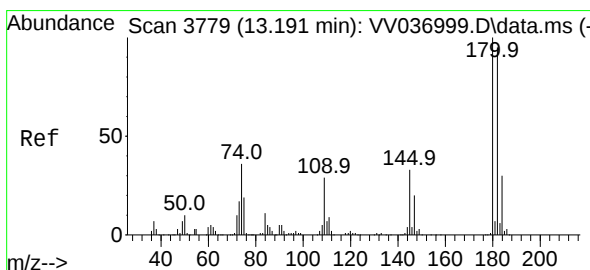
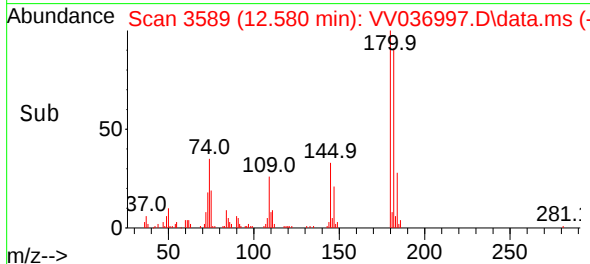
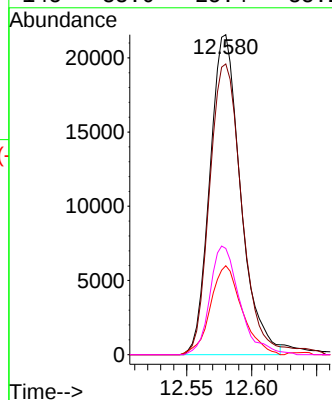
Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

184 28.4 24.2 36.4

145 33.0 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 2.661 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.006 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

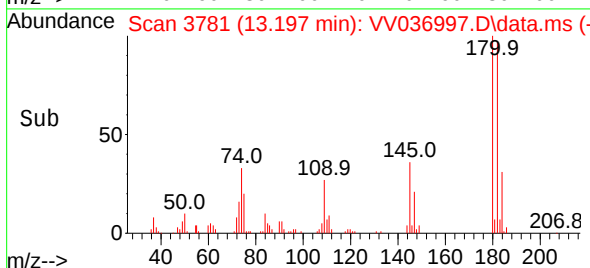
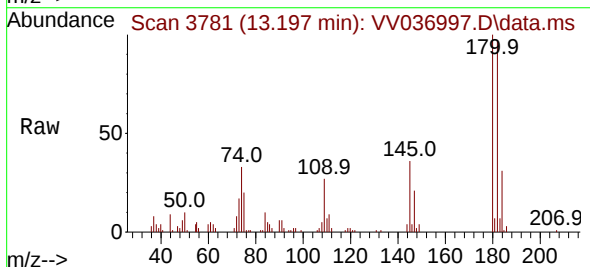
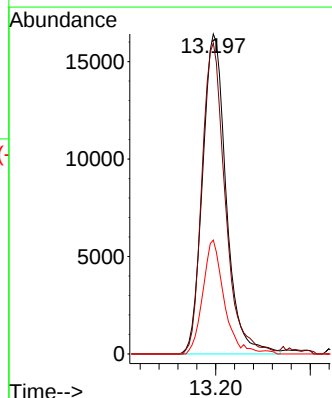
Tgt Ion:180 Resp: 28485

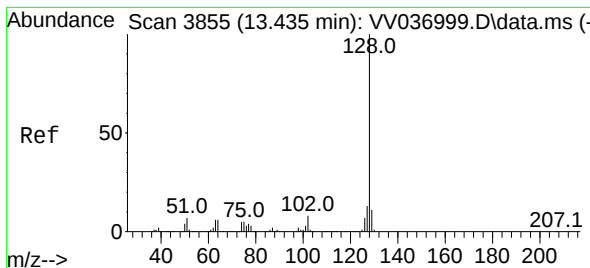
Ion Ratio Lower Upper

180 100

182 94.8 76.0 114.0

145 31.9 25.8 38.6





#71

Naphthalene

Concen: 2.554 ug/L

RT: 13.439 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

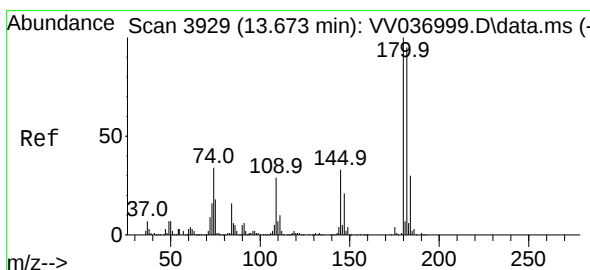
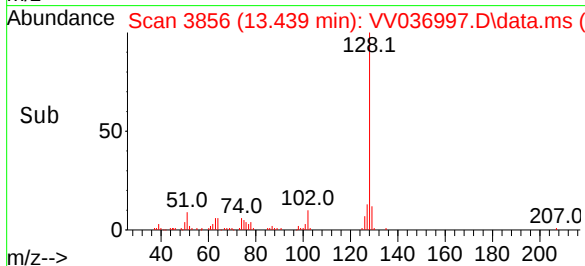
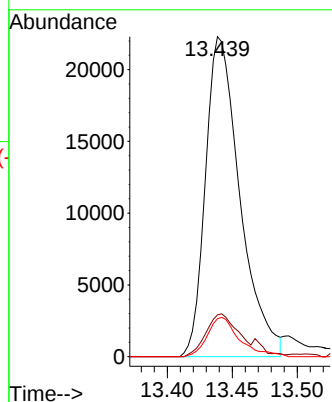
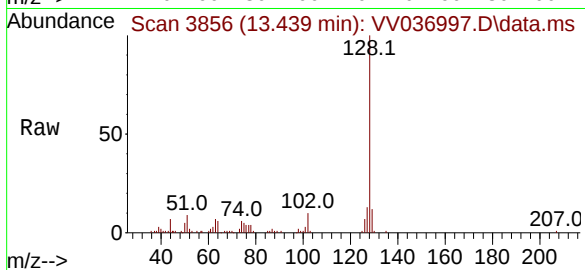
Tgt Ion:128 Resp: 41177

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 2.584 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.003 min

Lab File: VV036997.D

Acq: 22 Aug 2024 08:53

Tgt Ion:180 Resp: 22904

Ion Ratio Lower Upper

180 100

182 98.3 76.2 114.4

145 34.8 26.6 40.0

