

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
 Data File : VV036987.D
 Acq On : 21 Aug 2024 10:52
 Operator : SY/MD
 Sample : VSTD00552
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 22 01:01:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 22 00:59:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	693588	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	642913	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	306194	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	58738	5.210	ug/L	0.00
7) Chloroethane-d5	1.535	69	47972	5.208	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	26446	5.317	ug/L	0.00
21) 2-Butanone-d5	3.793	46	83	0.049	ug/L	-0.05
24) Chloroform-d	4.246	84	106419	5.168	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	47425	5.047	ug/L	0.00
32) Benzene-d6	4.957	84	213515	5.261	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	62232	5.174	ug/L	0.00
41) Toluene-d8	7.239	98	188379	5.116	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	22154	5.198	ug/L	0.00
47) 2-Hexanone-d5	8.053	63	9055	8.779	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.149	84	33888	5.062	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	60325	5.295	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	57050	5.423	ug/L	100
3) Chloromethane	1.220	50	66011	5.188	ug/L	100
5) Vinyl chloride	1.285	62	62724	5.110	ug/L	98
6) Bromomethane	1.490	94	38816	4.879	ug/L	99
8) Chloroethane	1.552	64	40102	5.134	ug/L	98
9) Trichlorofluoromethane	1.716	101	80446	5.130	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	48371	4.999	ug/L	98
12) 1,1-Dichloroethene	2.069	96	46929	5.052	ug/L	90
13) Acetone	2.294	43	392	0.129	ug/L	87
14) Carbon disulfide	2.240	76	156422	5.003	ug/L	99
15) Methyl Acetate	2.638	43	462	0.136	ug/L	99
16) Methylene chloride	2.445	84	87627	5.755	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	52159	5.013	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	102327	4.788	ug/L	98
19) 1,1-Dichloroethane	3.108	63	99158	5.005	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	53566	4.770	ug/L	97
22) 2-Butanone	3.941	43	5574	2.500	ug/L #	100
23) Bromochloromethane	4.146	128	22063	4.986	ug/L	95
25) Chloroform	4.275	83	97534	4.918	ug/L	97
27) 1,2-Dichloroethane	5.047	62	51933	4.792	ug/L	98
29) Cyclohexane	4.574	56	79375	4.939	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	77988	4.902	ug/L	99
31) Carbon tetrachloride	4.728	117	63150	4.784	ug/L	97
33) Benzene	5.008	78	199820	4.835	ug/L	100
34) Trichloroethene	5.834	95	58418	4.978	ug/L	97
35) Methylcyclohexane	6.043	83	84630	4.865	ug/L	97
37) 1,2-Dichloropropane	6.095	63	47540	4.654	ug/L #	98
38) Bromodichloromethane	6.432	83	62343	4.888	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	71762	4.694	ug/L	98
40) 4-Methyl-2-pentanone	7.172	43	39056	9.253	ug/L	97
42) Toluene	7.313	91	212406	4.857	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	52390	4.520	ug/L	98

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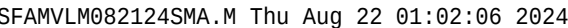
Instrument :
 MSVOA_V
 ClientSampleId :

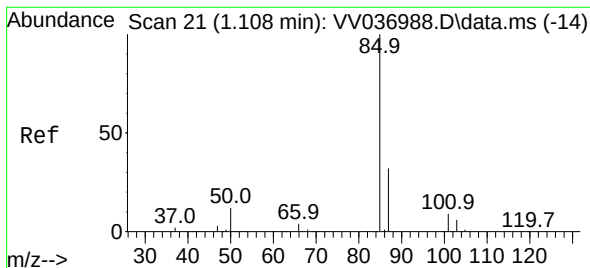
Quant Time: Aug 22 01:01:56 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	31219	4.721	ug/L	95
46) Tetrachloroethene	7.902	164	41286	5.038	ug/L	98
48) 2-Hexanone	8.095	43	25240	7.934	ug/L	95
49) Dibromochloromethane	8.175	129	34137	4.644	ug/L	98
50) 1,2-Dibromoethane	8.284	107	29854	4.886	ug/L #	89
51) Chlorobenzene	8.812	112	136380	4.885	ug/L	99
52) Ethylbenzene	8.944	91	236450	4.787	ug/L	99
53) m,p-Xylene	9.069	106	86018	4.708	ug/L	95
54) o-Xylene	9.474	106	82905	4.712	ug/L	99
55) Styrene	9.493	104	134432	4.577	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	29204	4.627	ug/L	95
59) Bromoform	9.664	173	16369	4.565	ug/L	98
60) Isopropylbenzene	9.863	105	223796	4.754	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	23904	4.868	ug/L	97
62) 1,3,5-Trimethylbenzene	10.471	105	184535	4.729	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	178888	4.627	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	101363	4.833	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	101217	4.854	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	88791	4.919	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	4437	4.437	ug/L	93
69) 1,3,5-Trichlorobenzene	12.577	180	69737	4.785	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	54481	4.675	ug/L	99
71) Naphthalene	13.438	128	81347	4.447	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	47188	4.824	ug/L	98

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

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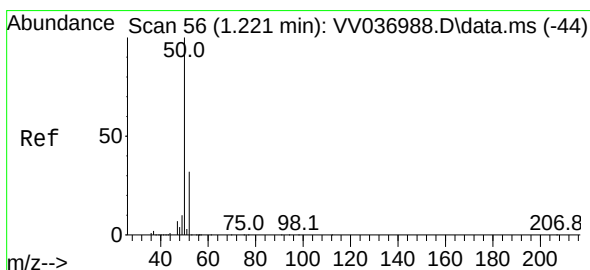
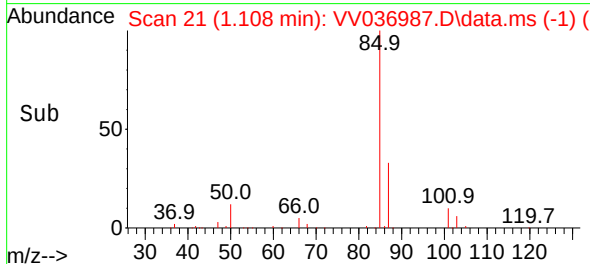
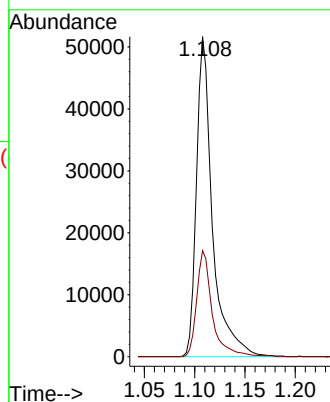
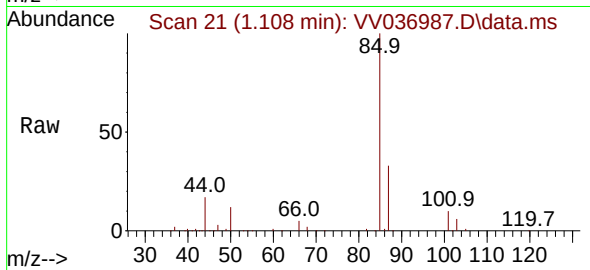




#2
Dichlorodifluoromethane
Concen: 5.423 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

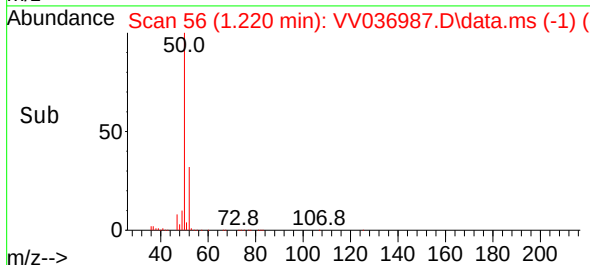
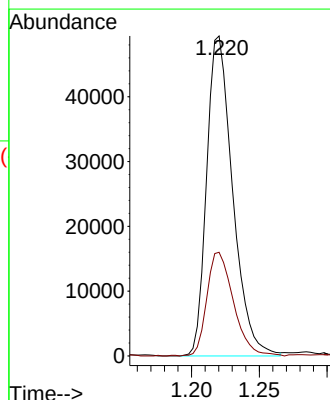
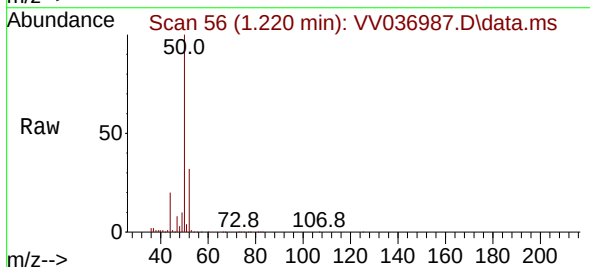
Instrument :
MSVOA_V
ClientSampleId :

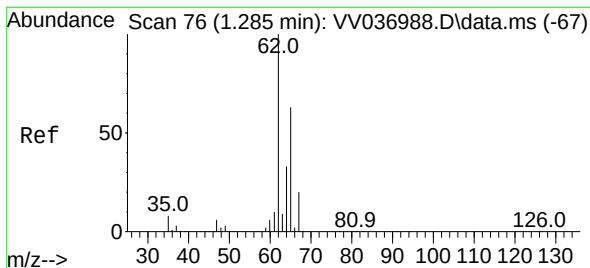
Tgt Ion: 85 Resp: 57050
Ion Ratio Lower Upper
85 100
87 32.3 25.7 38.5



#3
Chloromethane
Concen: 5.188 ug/L
RT: 1.220 min Scan# 56
Delta R.T. -0.000 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

Tgt Ion: 50 Resp: 66011
Ion Ratio Lower Upper
50 100
52 32.4 22.5 41.9





#5

Vinyl chloride

Concen: 5.110 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.000 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

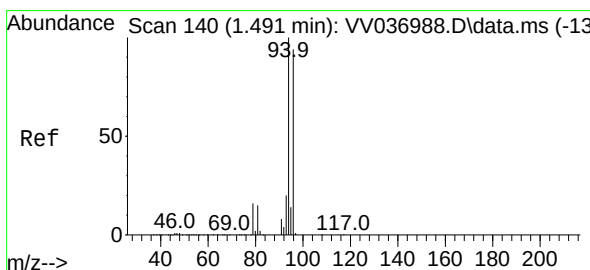
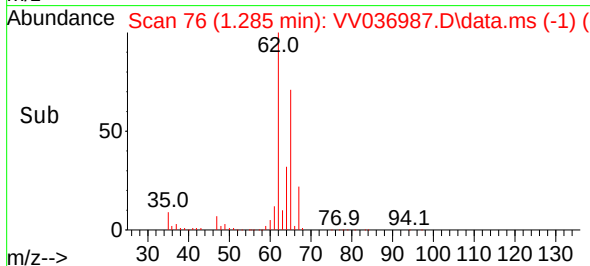
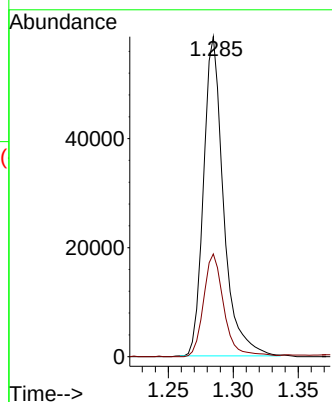
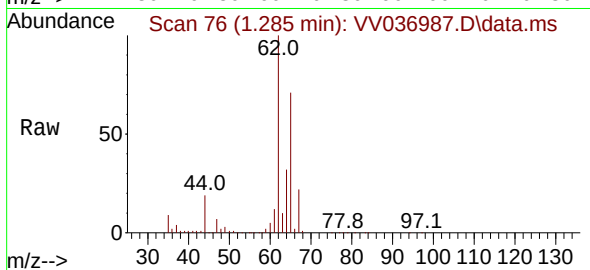
ClientSampleId :

Tgt Ion: 62 Resp: 62724

Ion Ratio Lower Upper

62 100

64 32.1 23.1 42.9



#6

Bromomethane

Concen: 4.879 ug/L

RT: 1.490 min Scan# 140

Delta R.T. -0.000 min

Lab File: VV036987.D

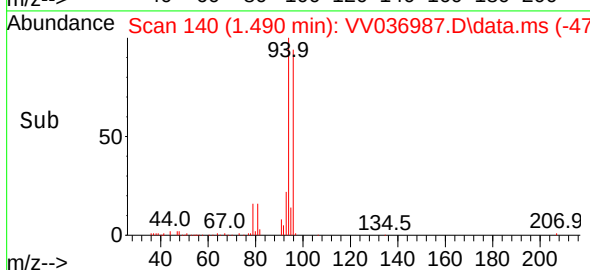
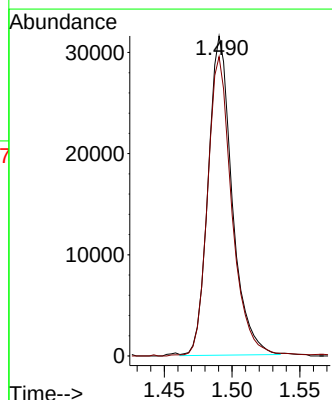
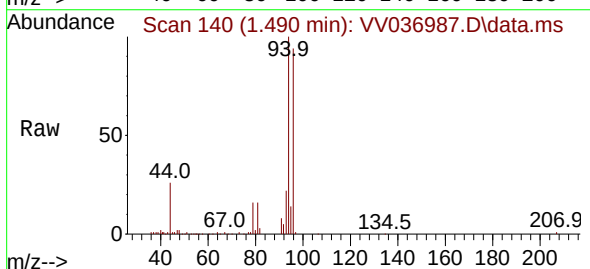
Acq: 21 Aug 2024 10:52

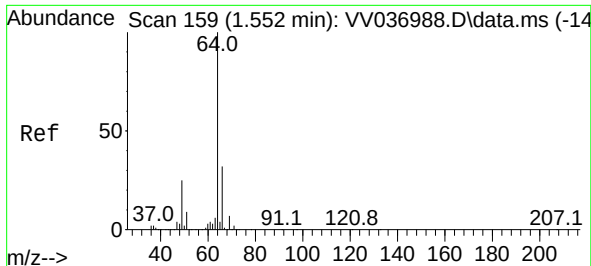
Tgt Ion: 94 Resp: 38816

Ion Ratio Lower Upper

94 100

96 93.6 65.9 122.3

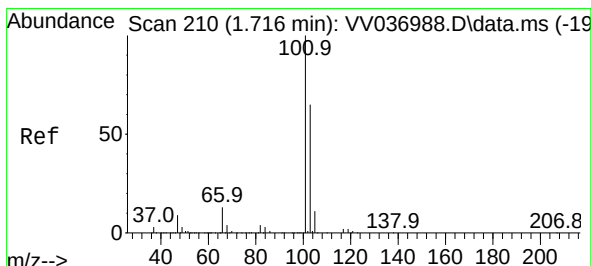
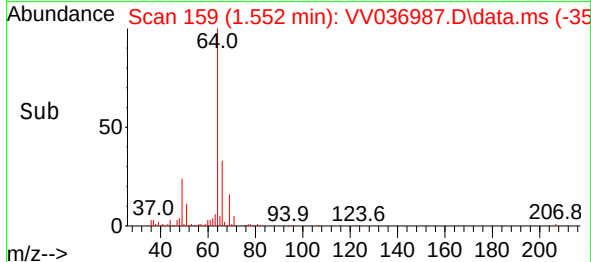
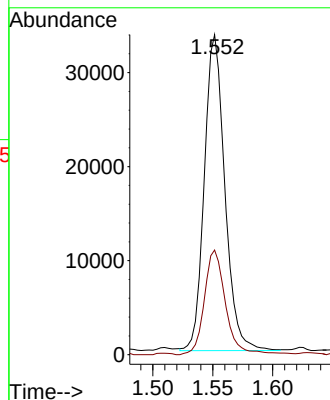
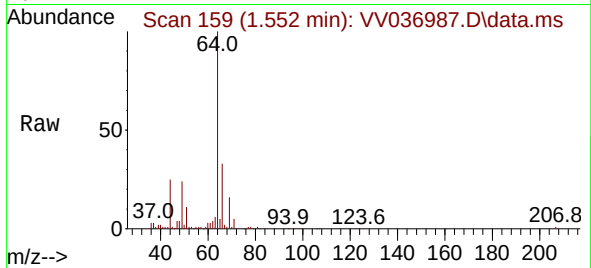




#8
Chloroethane
Concen: 5.134 ug/L
RT: 1.552 min Scan# 159
Delta R.T. -0.000 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

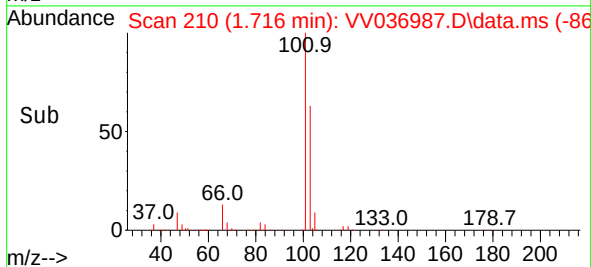
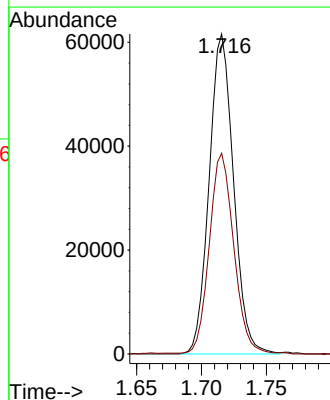
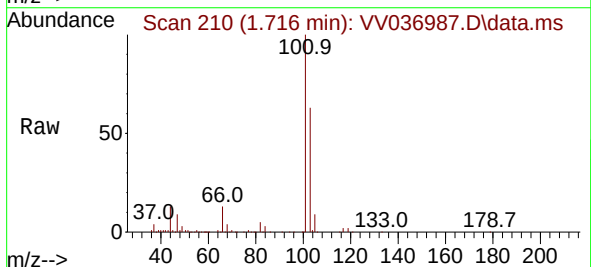
Instrument :
MSVOA_V
ClientSampleId :

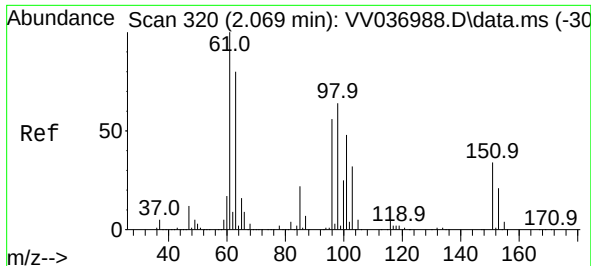
Tgt Ion: 64 Resp: 40102
Ion Ratio Lower Upper
64 100
66 32.7 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.130 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

Tgt Ion:101 Resp: 80446
Ion Ratio Lower Upper
101 100
103 62.3 51.1 76.7

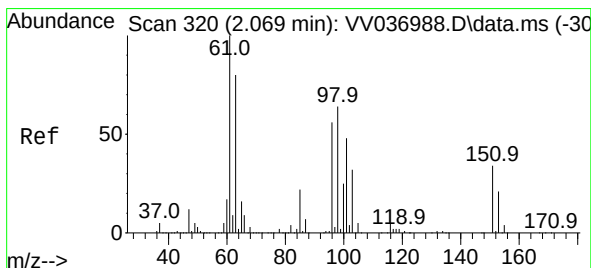
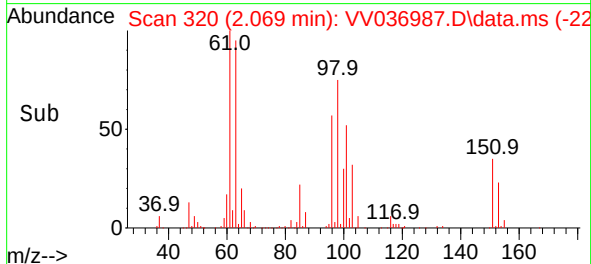
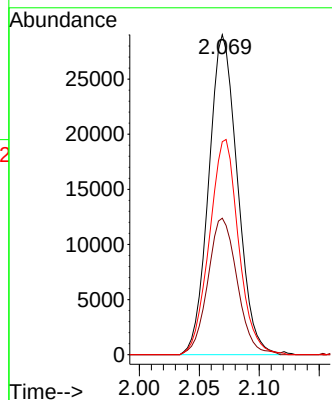
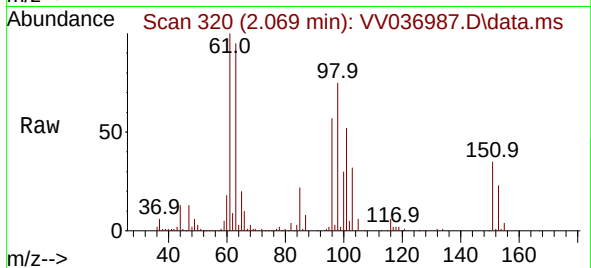




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.999 ug/L
 RT: 2.069 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VV036987.D
 Acq: 21 Aug 2024 10:52

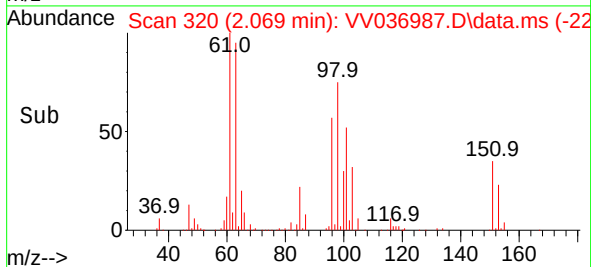
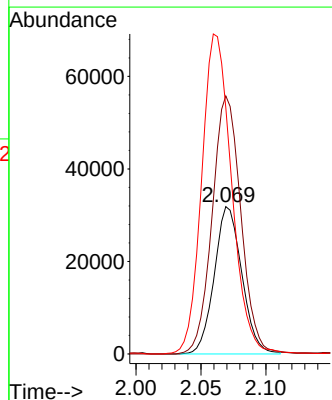
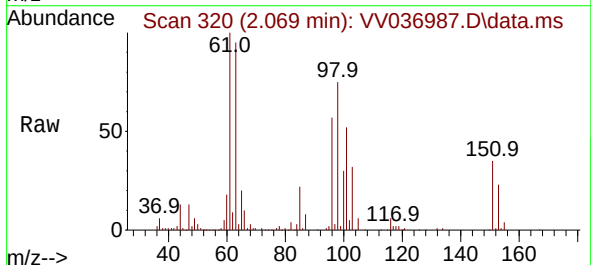
Instrument :
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 ClientSampleId :

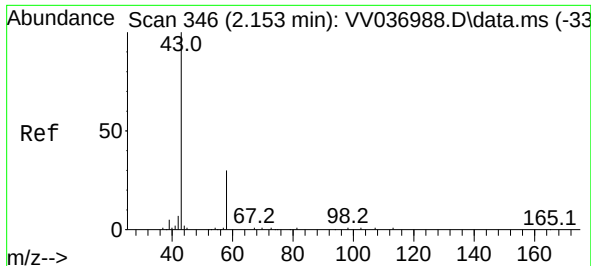
Tgt Ion:101 Resp: 48371
 Ion Ratio Lower Upper
 101 100
 85 43.5 36.2 54.2
 151 68.4 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 5.052 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV036987.D
 Acq: 21 Aug 2024 10:52

Tgt Ion: 96 Resp: 46929
 Ion Ratio Lower Upper
 96 100
 61 175.0 124.9 231.9
 63 167.2 100.5 186.7





#13

Acetone

Concen: 0.129 ug/L

RT: 2.294 min Scan# 346

Delta R.T. 0.141 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

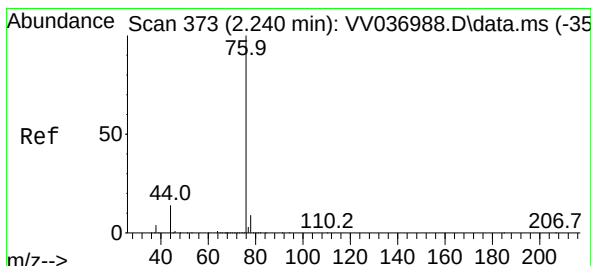
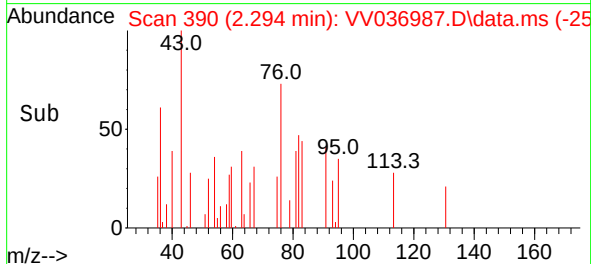
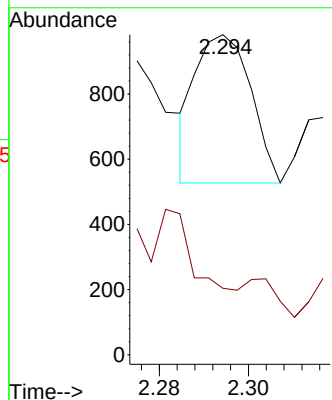
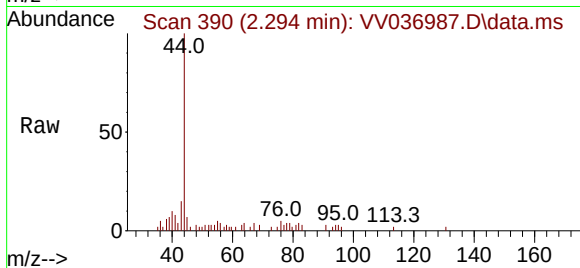
ClientSampleId :

Tgt Ion: 43 Resp: 392

Ion Ratio Lower Upper

43 100

58 14.0 0.0 18.8



#14

Carbon disulfide

Concen: 5.003 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV036987.D

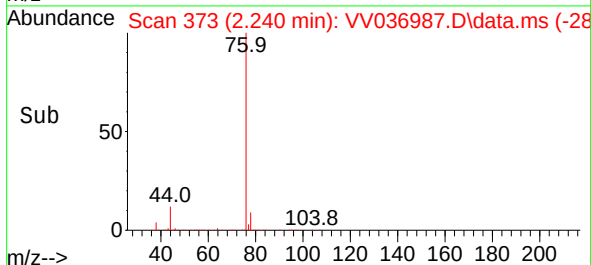
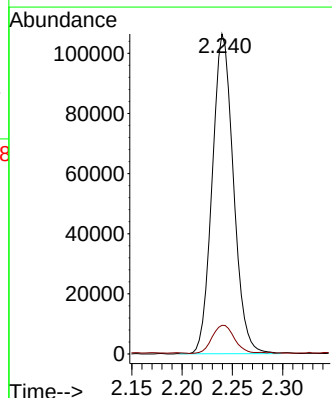
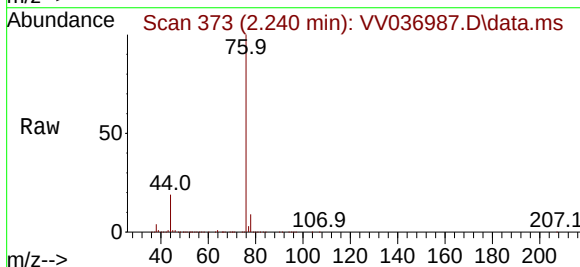
Acq: 21 Aug 2024 10:52

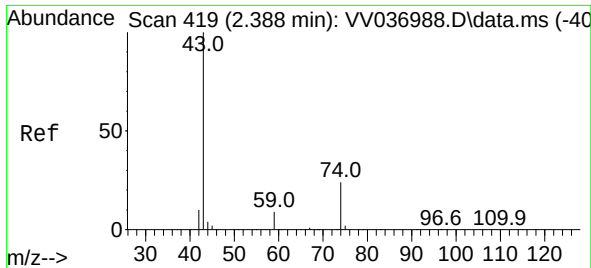
Tgt Ion: 76 Resp: 156422

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

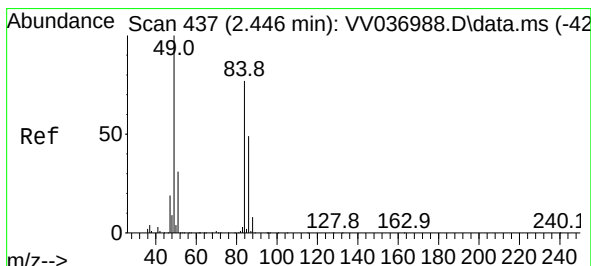
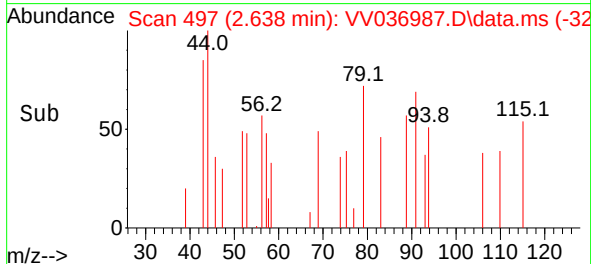
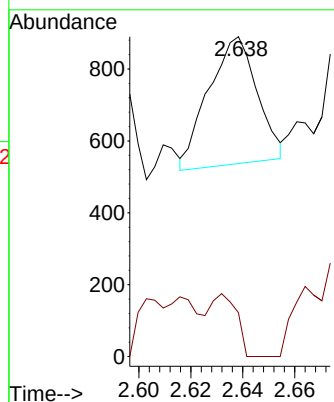
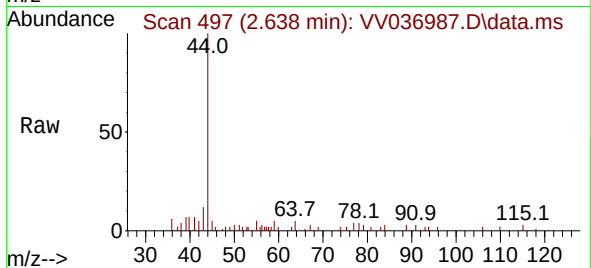




#15
Methyl Acetate
Concen: 0.136 ug/L
RT: 2.638 min Scan# 419
Delta R.T. 0.251 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

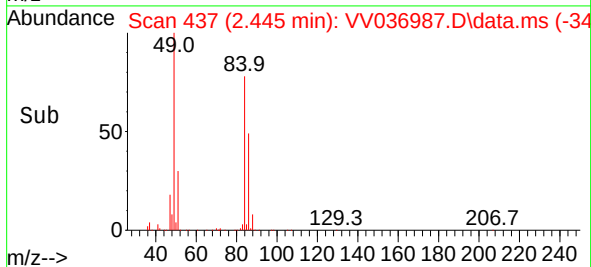
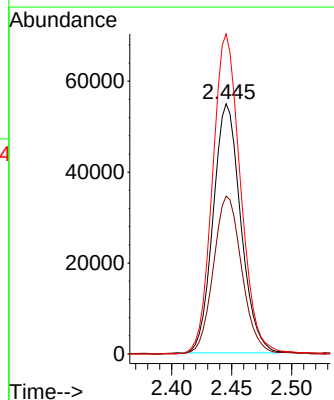
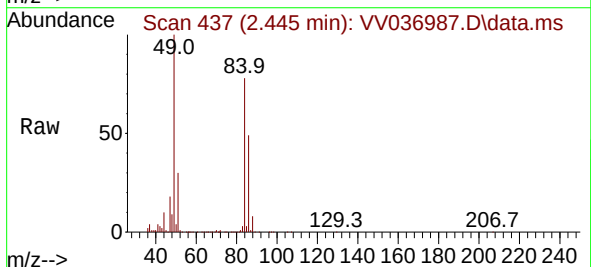
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MSVOA_V
ClientSampleId :

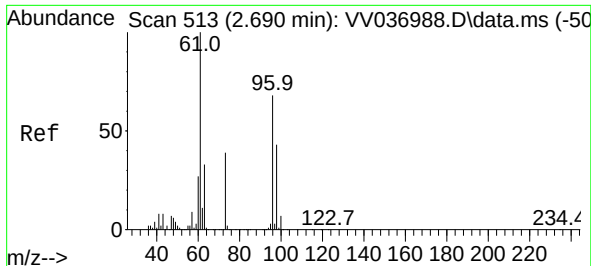
Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
74 25.3 19.8 29.6



#16
Methylene chloride
Concen: 5.755 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

Tgt Ion: 84 Resp: 87627
Ion Ratio Lower Upper
84 100
86 63.1 44.2 82.0
49 127.9 91.0 169.0





#17

trans-1,2-Dichloroethene

Concen: 5.013 ug/L

RT: 2.693 min Scan# 513

Delta R.T. 0.003 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

ClientSampleId :

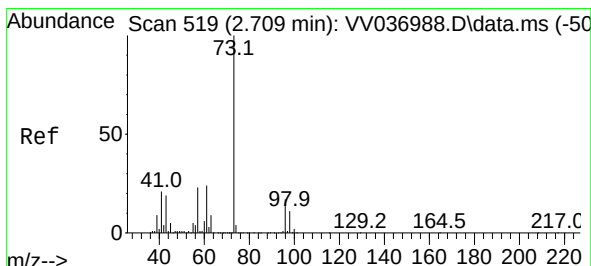
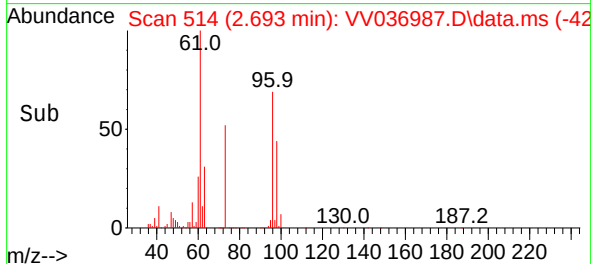
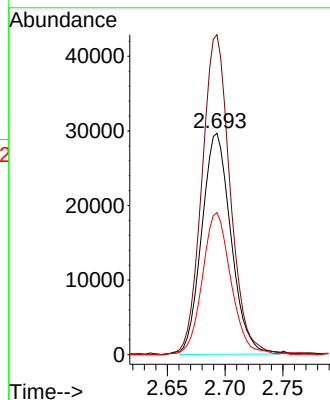
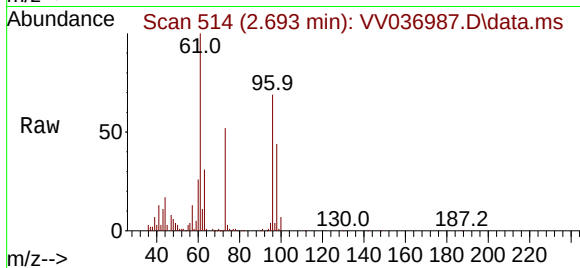
Tgt Ion: 96 Resp: 52159

Ion Ratio Lower Upper

96 100

61 144.6 102.6 190.6

98 64.2 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 4.788 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.000 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

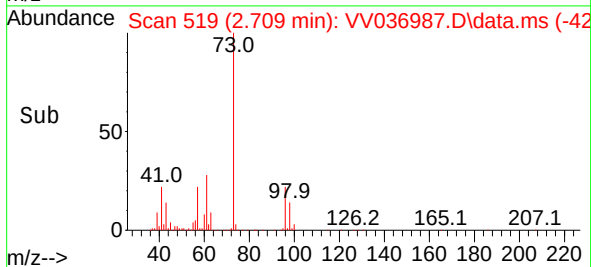
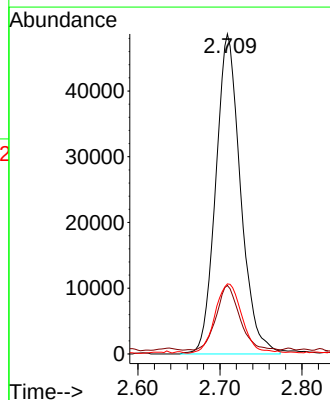
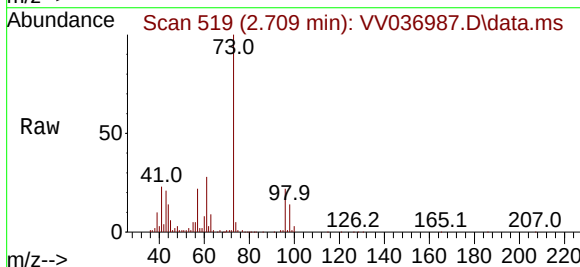
Tgt Ion: 73 Resp: 102327

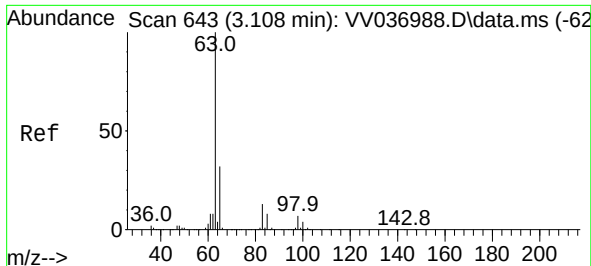
Ion Ratio Lower Upper

73 100

43 19.0 15.7 23.5

57 23.4 17.9 26.9





#19

1,1-Dichloroethane

Concen: 5.005 ug/L

RT: 3.108 min Scan# 643

Delta R.T. -0.000 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

ClientSampleId :

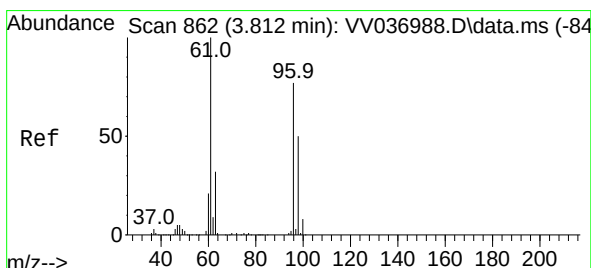
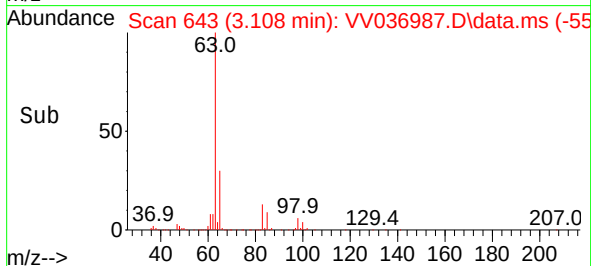
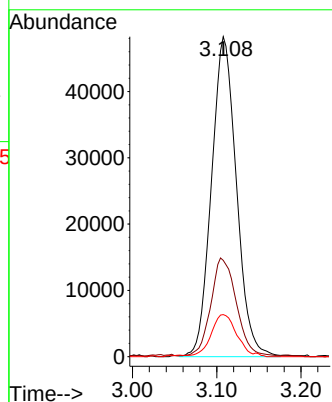
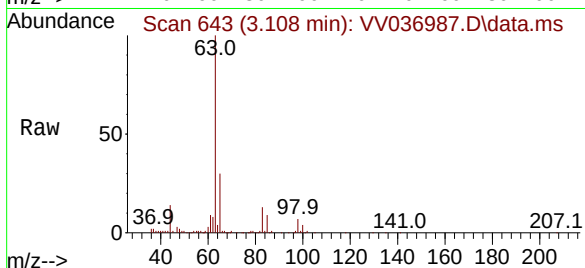
Tgt Ion: 63 Resp: 99158

Ion Ratio Lower Upper

63 100

65 30.1 22.6 42.0

83 13.1 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 4.770 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.006 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

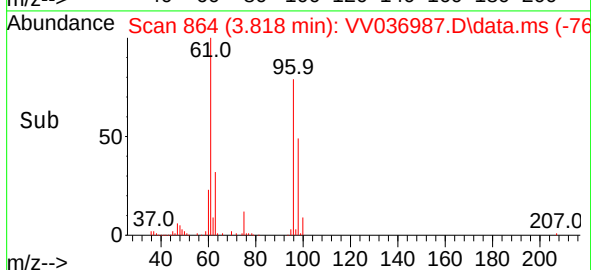
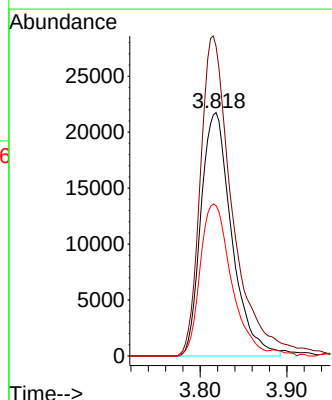
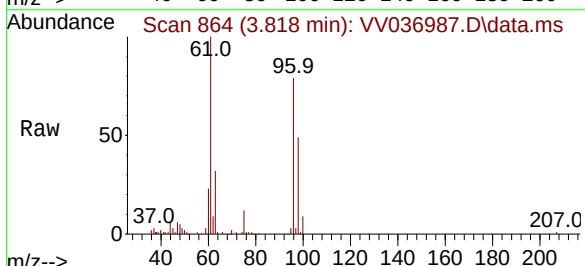
Tgt Ion: 96 Resp: 53566

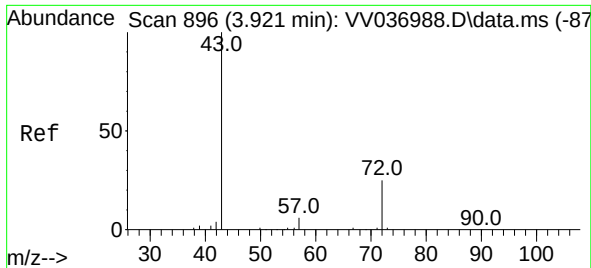
Ion Ratio Lower Upper

96 100

61 127.3 91.1 169.3

98 61.8 45.4 84.2

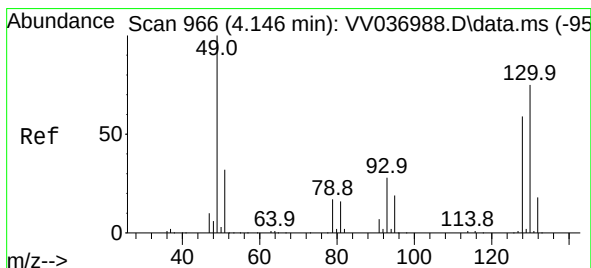
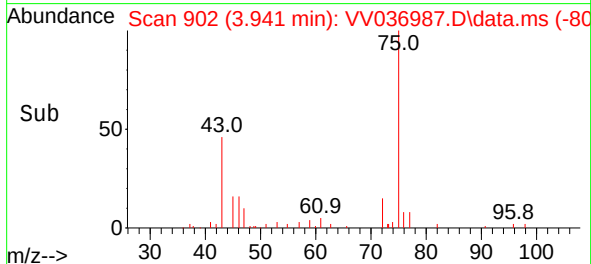
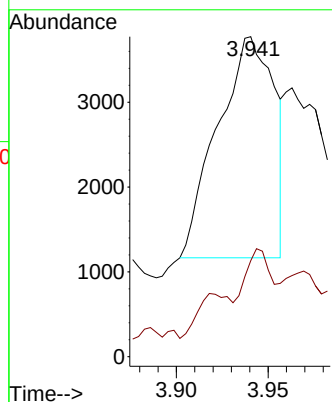
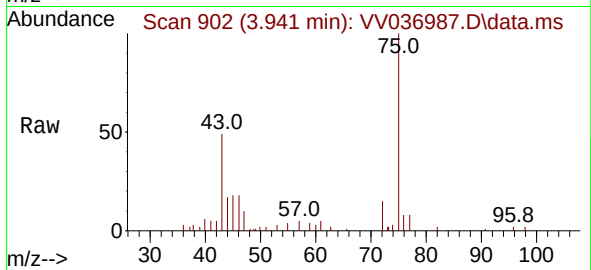




#22
2-Butanone
Concen: 2.500 ug/L
RT: 3.941 min Scan# 902
Delta R.T. 0.019 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

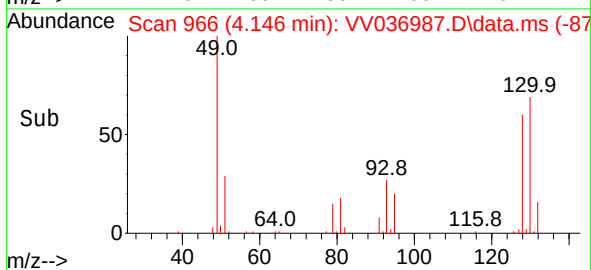
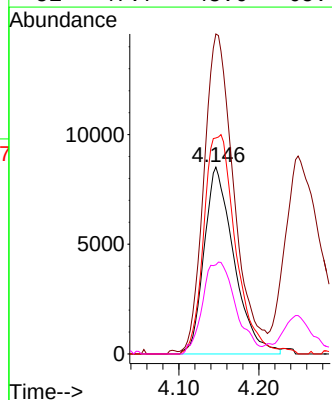
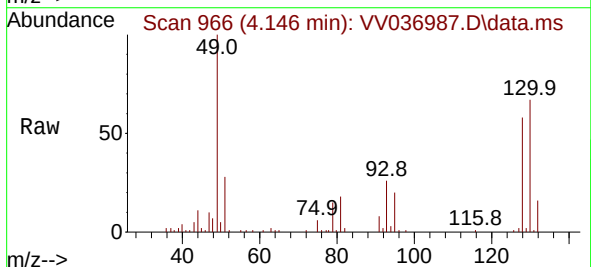
Instrument :
MSVOA_V
ClientSampleId :

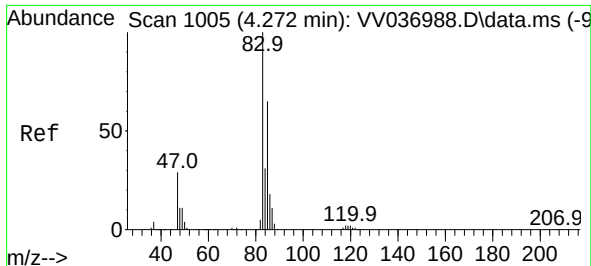
Tgt Ion: 43 Resp: 5574
Ion Ratio Lower Upper
43 100
72 9.5 0.0 0.0#



#23
Bromochloromethane
Concen: 4.986 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.000 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

Tgt Ion:128 Resp: 22063
Ion Ratio Lower Upper
128 100
49 171.3 119.8 222.6
130 115.6 89.2 165.6
51 47.7 43.6 65.4





#25

Chloroform

Concen: 4.918 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

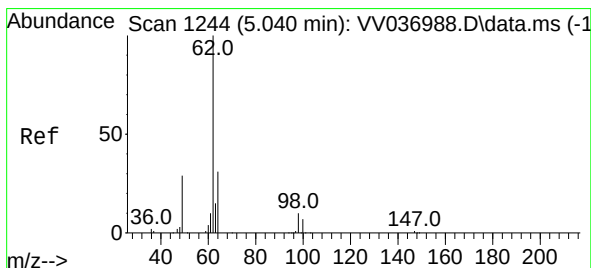
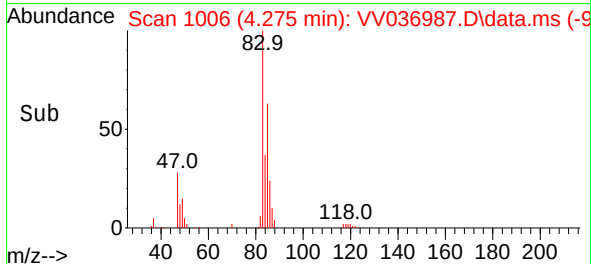
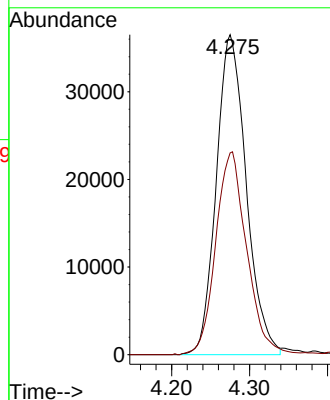
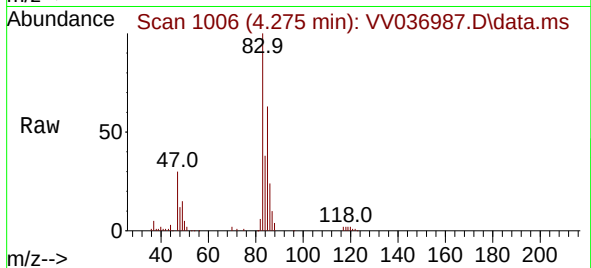
ClientSampleId :

Tgt Ion: 83 Resp: 97534

Ion Ratio Lower Upper

83 100

85 63.1 45.8 85.2



#27

1,2-Dichloroethane

Concen: 4.792 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.006 min

Lab File: VV036987.D

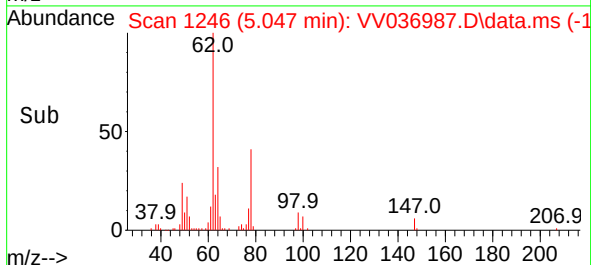
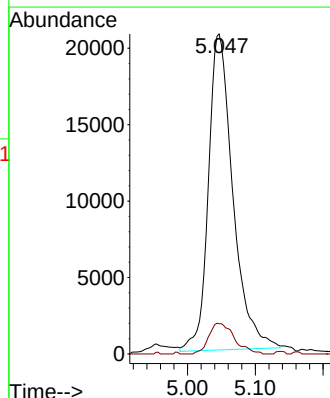
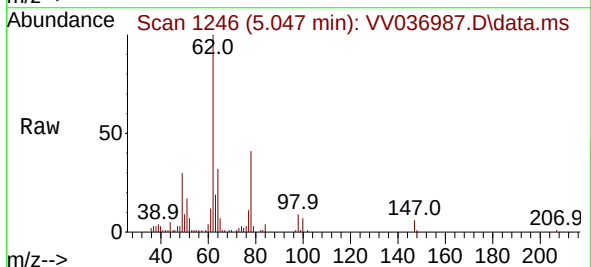
Acq: 21 Aug 2024 10:52

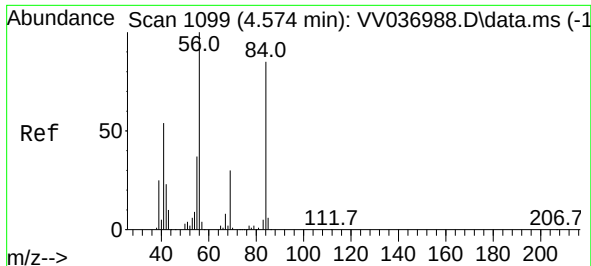
Tgt Ion: 62 Resp: 51933

Ion Ratio Lower Upper

62 100

98 9.5 8.1 12.1





#29

Cyclohexane

Concen: 4.939 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. -0.000 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

ClientSampleId :

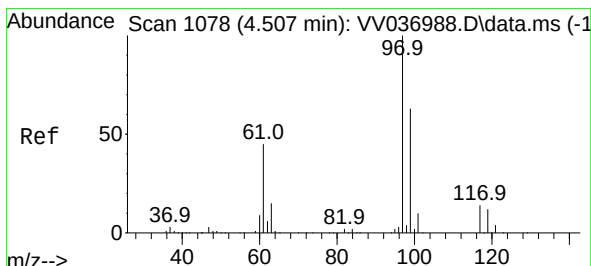
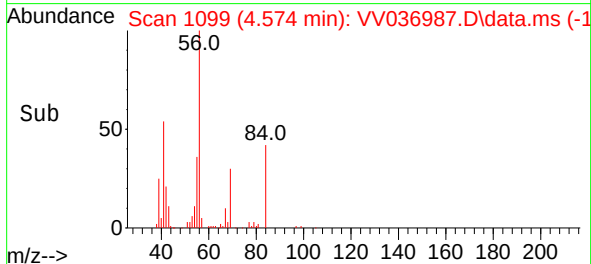
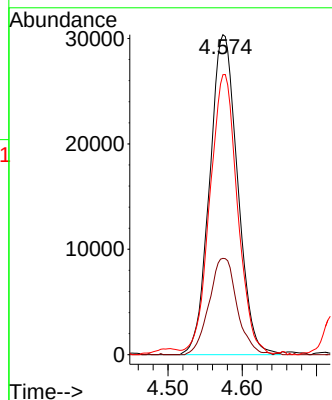
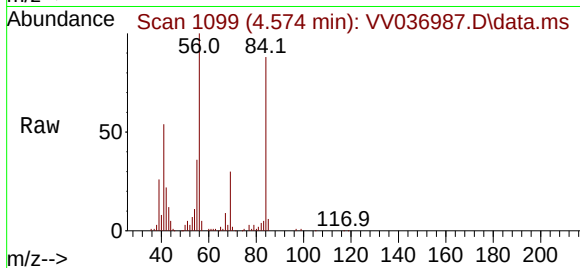
Tgt Ion: 56 Resp: 79375

Ion Ratio Lower Upper

56 100

69 29.9 24.6 37.0

84 85.9 70.1 105.1



#30

1,1,1-Trichloroethane

Concen: 4.902 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

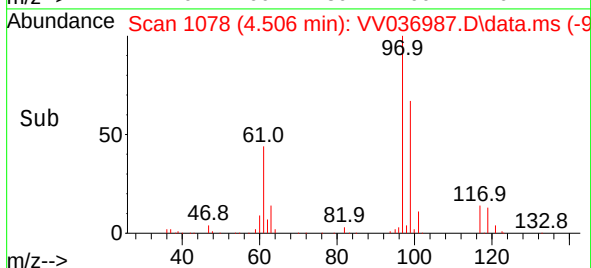
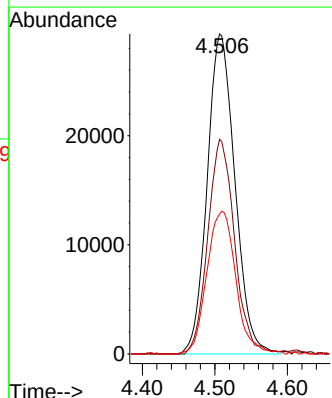
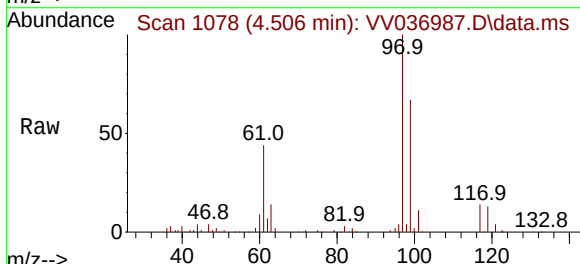
Tgt Ion: 97 Resp: 77988

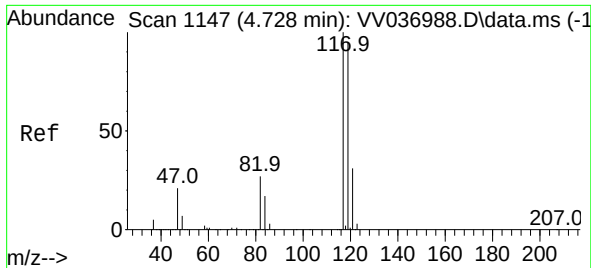
Ion Ratio Lower Upper

97 100

99 63.7 51.2 76.8

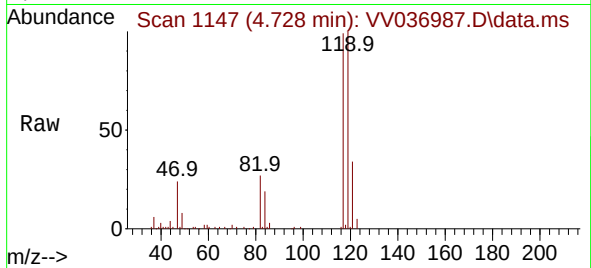
61 46.5 36.2 54.2



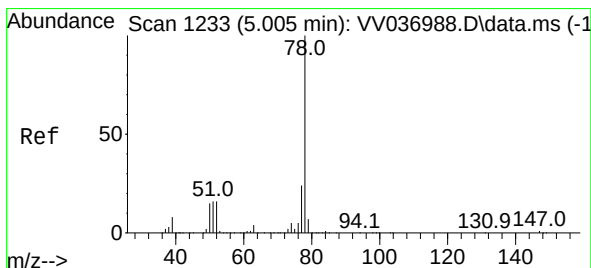
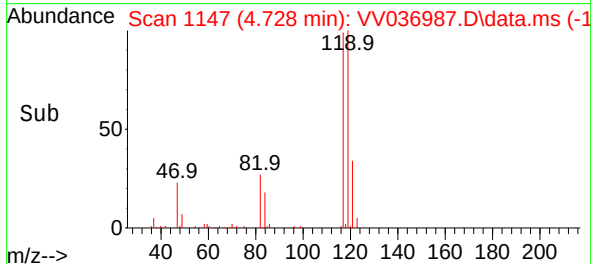
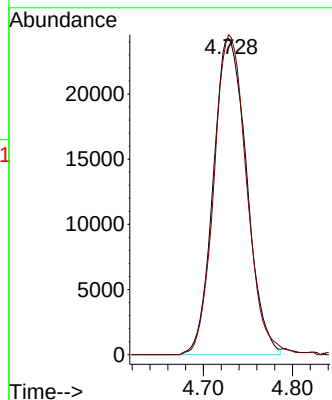


#31
Carbon tetrachloride
Concen: 4.784 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. -0.000 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

Instrument :
MSVOA_V
ClientSampleId :

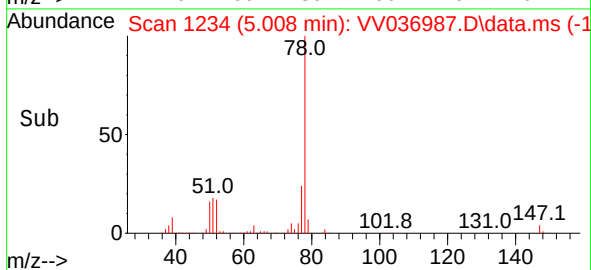
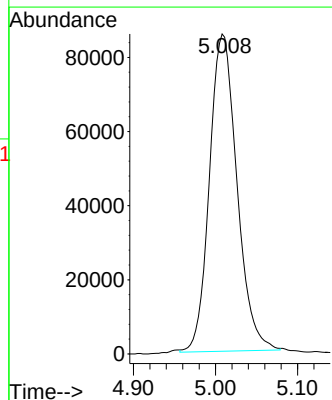
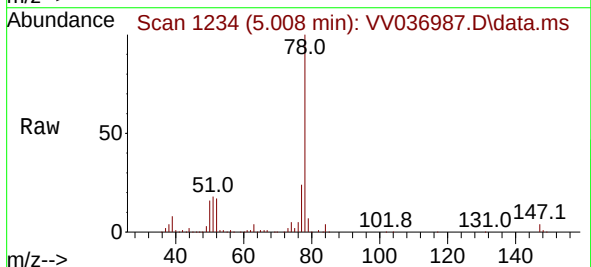


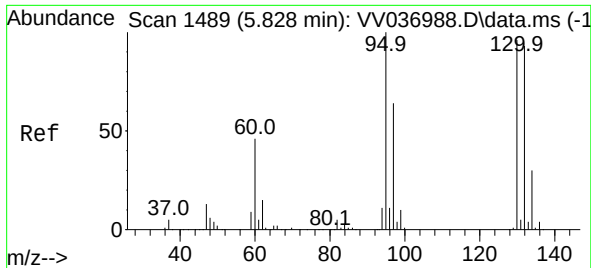
Tgt Ion:117 Resp: 63150
Ion Ratio Lower Upper
117 100
119 98.7 76.9 115.3



#33
Benzene
Concen: 4.835 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

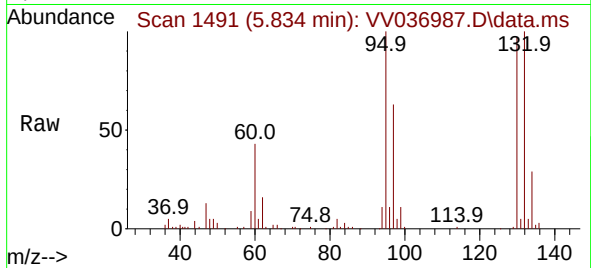
Tgt Ion: 78 Resp: 199820



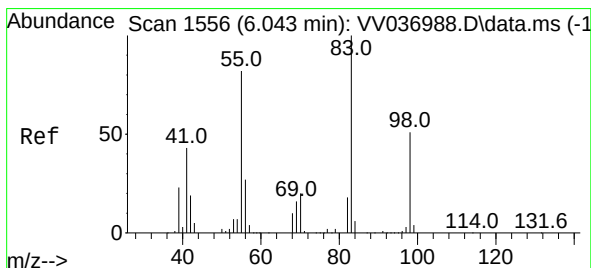
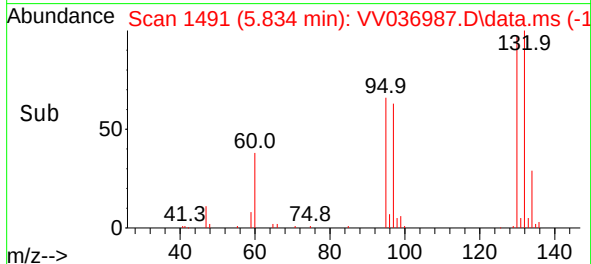
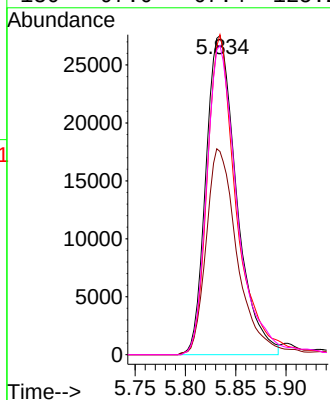


#34
 Trichloroethene
 Concen: 4.978 ug/L
 RT: 5.834 min Scan# 1489
 Delta R.T. 0.006 min
 Lab File: VV036987.D
 Acq: 21 Aug 2024 10:52

Instrument :
 MSVOA_V
 ClientSampleId :

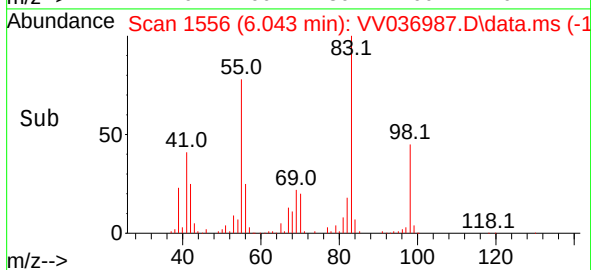
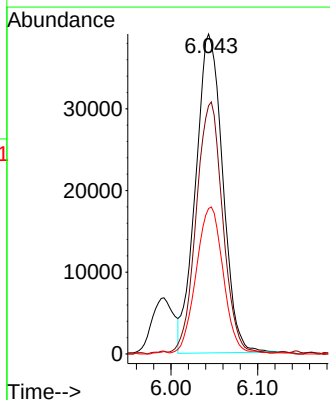
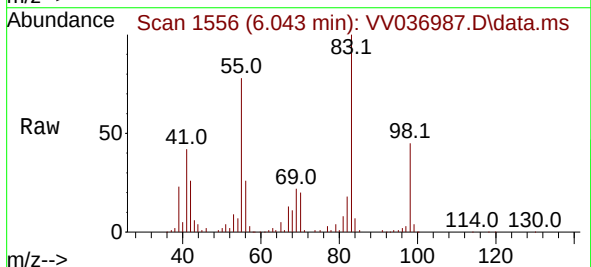


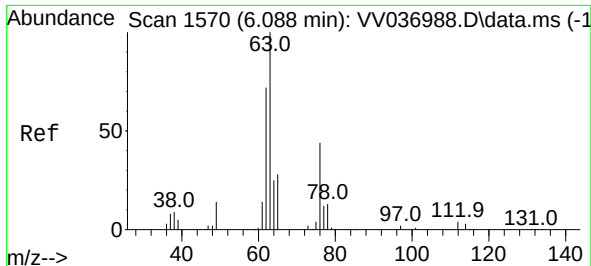
Tgt Ion:	95	Resp:	58418
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.8	83.2
132	100.3	64.8	120.4
130	97.0	67.4	125.2



#35
 Methylcyclohexane
 Concen: 4.865 ug/L
 RT: 6.043 min Scan# 1556
 Delta R.T. -0.000 min
 Lab File: VV036987.D
 Acq: 21 Aug 2024 10:52

Tgt Ion:	83	Resp:	84630
Ion	Ratio	Lower	Upper
83	100		
55	78.0	61.3	91.9
98	45.4	38.6	57.8

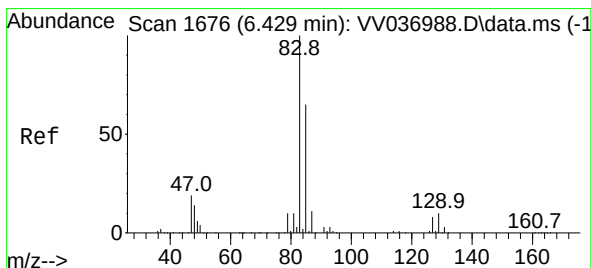
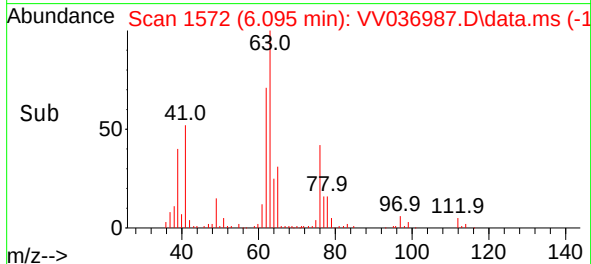
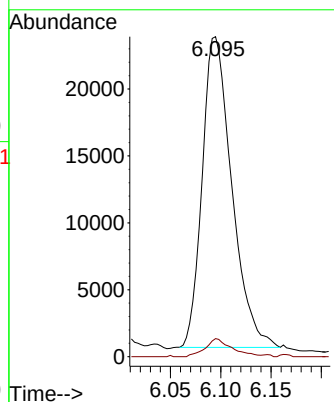
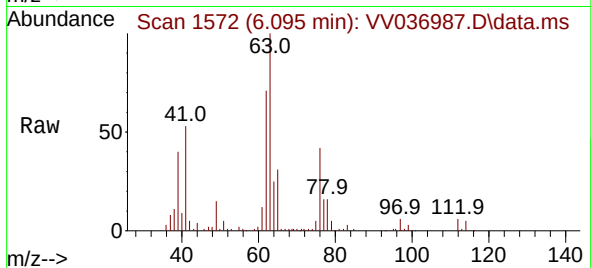




#37
1,2-Dichloropropane
Concen: 4.654 ug/L
RT: 6.095 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

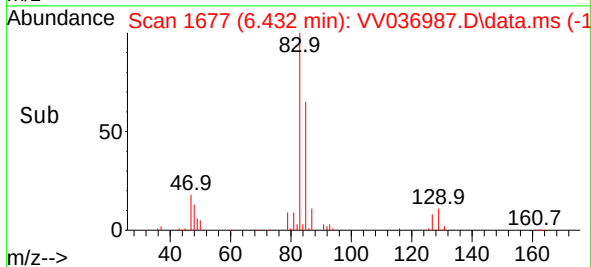
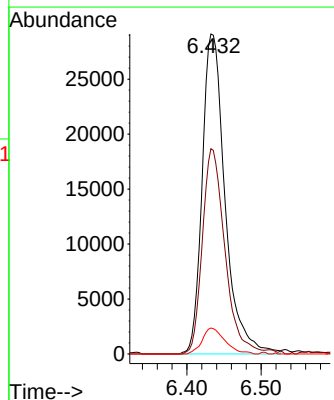
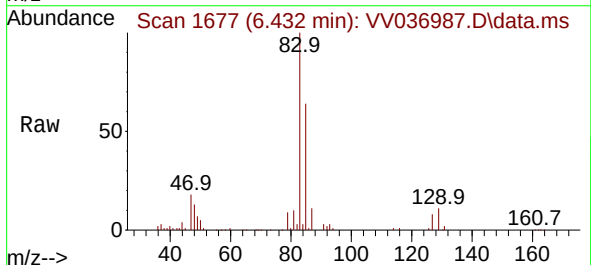
Instrument :
MSVOA_V
ClientSampleId :

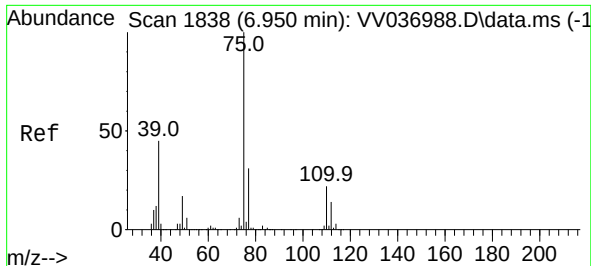
Tgt Ion: 63 Resp: 47540
Ion Ratio Lower Upper
63 100
112 5.2 0.1 0.1#



#38
Bromodichloromethane
Concen: 4.888 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. 0.003 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

Tgt Ion: 83 Resp: 62343
Ion Ratio Lower Upper
83 100
85 64.2 45.6 84.6
127 8.1 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.694 ug/L

RT: 6.956 min Scan# 1838

Delta R.T. 0.006 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

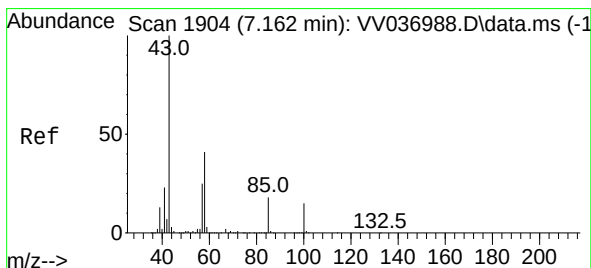
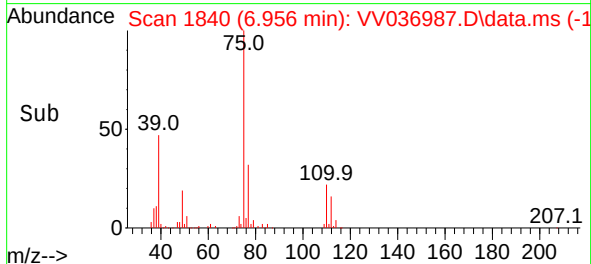
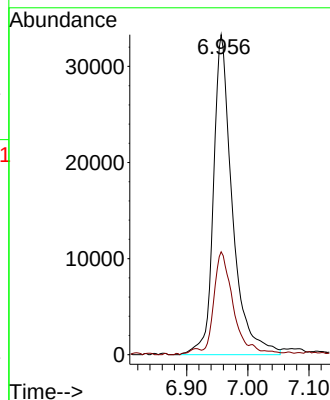
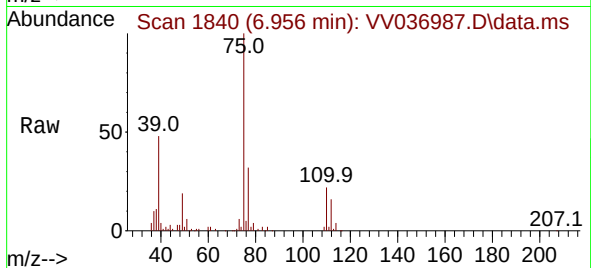
ClientSampleId :

Tgt Ion: 75 Resp: 71762

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 9.253 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.009 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

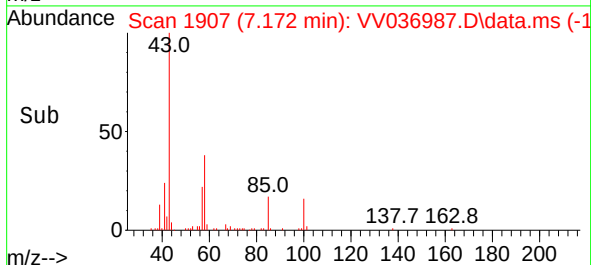
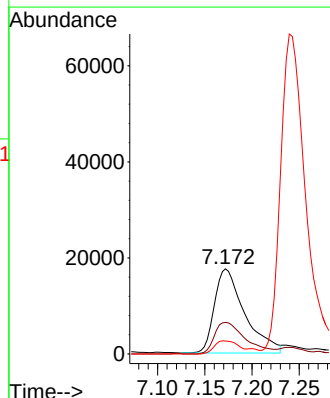
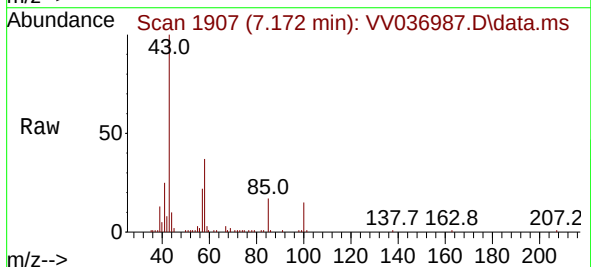
Tgt Ion: 43 Resp: 39056

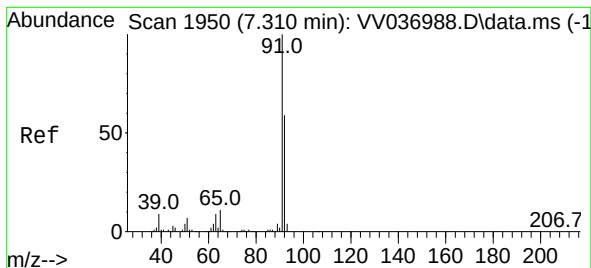
Ion Ratio Lower Upper

43 100

58 38.5 31.5 47.3

100 12.6 12.4 18.6





#42

Toluene

Concen: 4.857 ug/L

RT: 7.313 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

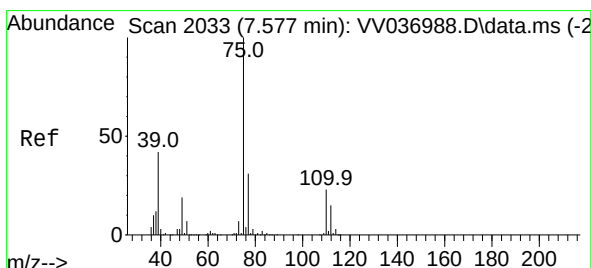
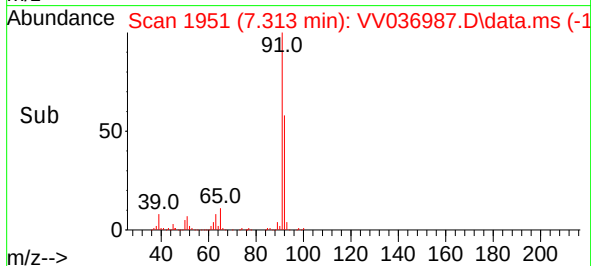
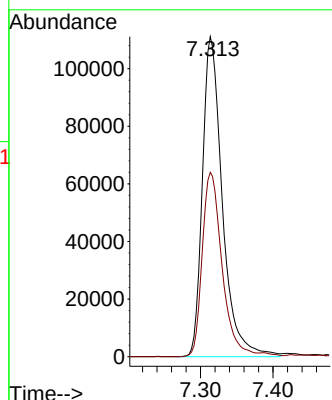
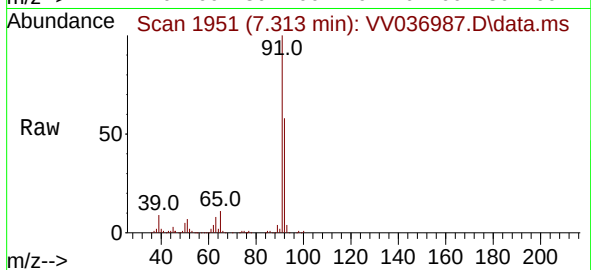
ClientSampleId :

Tgt Ion: 91 Resp: 212406

Ion Ratio Lower Upper

91 100

92 57.6 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.520 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.009 min

Lab File: VV036987.D

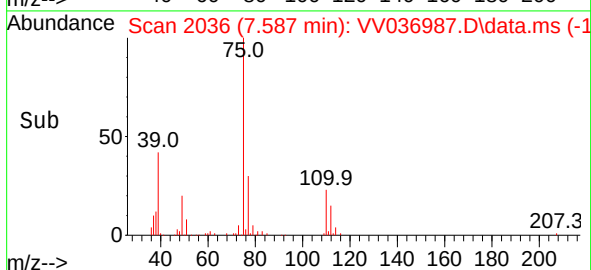
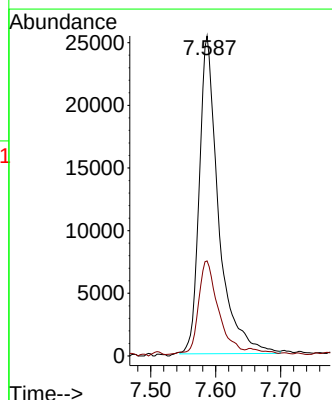
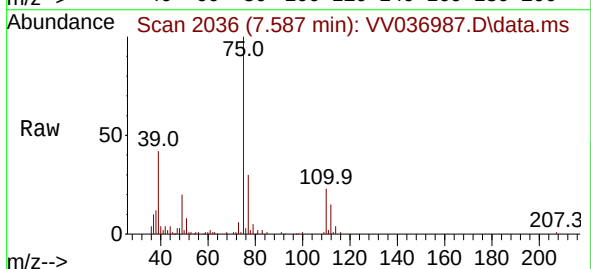
Acq: 21 Aug 2024 10:52

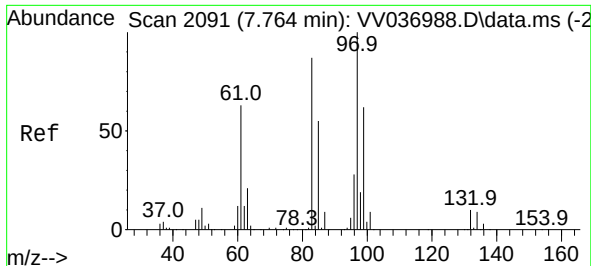
Tgt Ion: 75 Resp: 52390

Ion Ratio Lower Upper

75 100

77 29.7 21.6 40.0

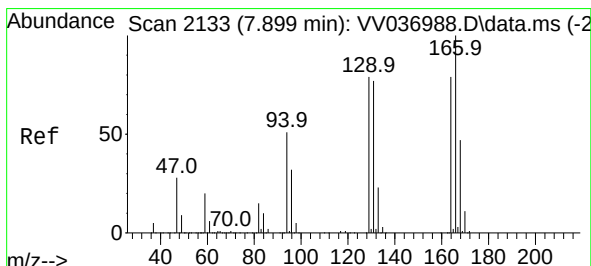
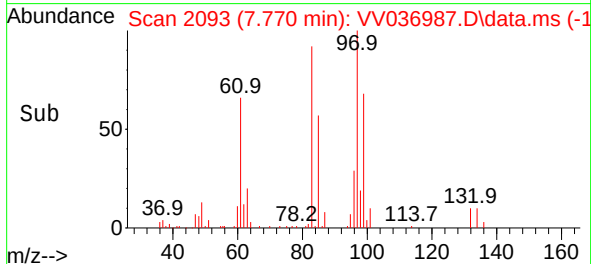
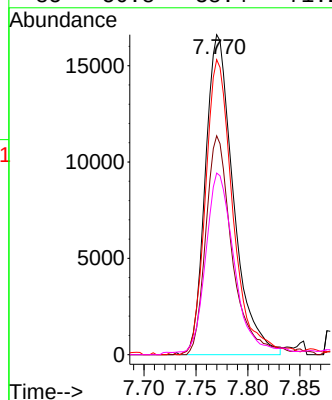
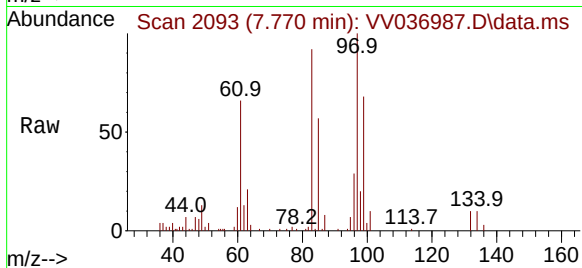




#45
1,1,2-Trichloroethane
Concen: 4.721 ug/L
RT: 7.770 min Scan# 2091
Delta R.T. 0.006 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

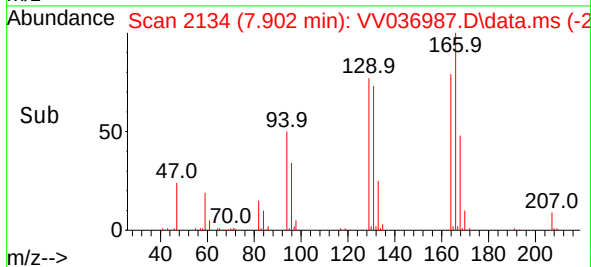
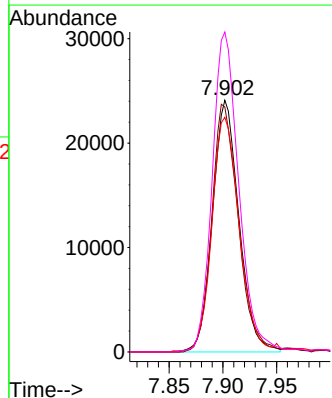
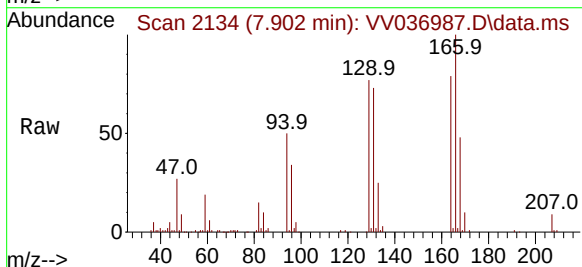
Instrument :
MSVOA_V
ClientSampleId :

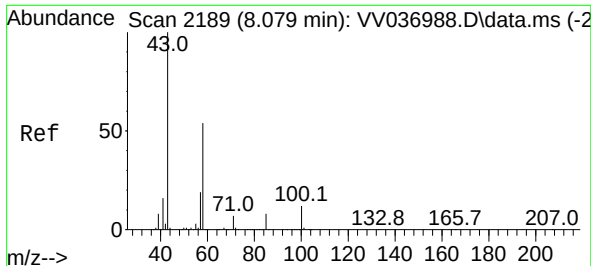
Tgt Ion:	97	Resp:	31219
Ion	Ratio	Lower	Upper
97	100		
99	68.4	43.6	81.0
83	92.2	61.1	113.5
85	56.8	38.4	71.2



#46
Tetrachloroethene
Concen: 5.038 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.003 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

Tgt Ion:	164	Resp:	41286
Ion	Ratio	Lower	Upper
164	100		
129	97.3	70.8	131.4
131	93.3	68.1	126.5
166	127.2	89.0	165.2

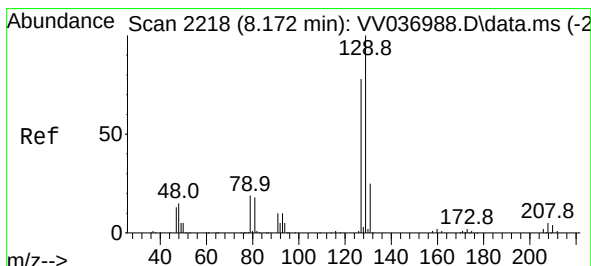
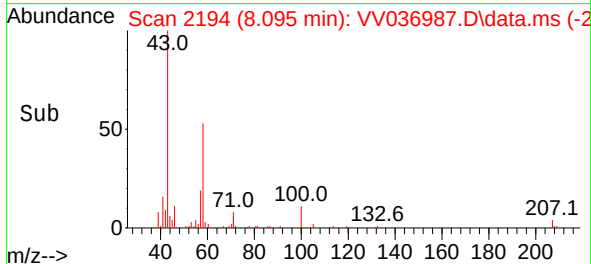
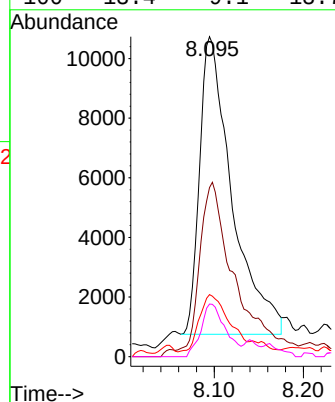
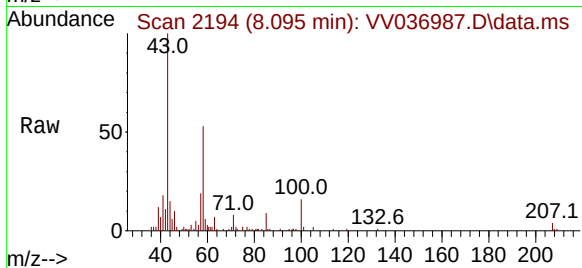




#48
2-Hexanone
Concen: 7.934 ug/L
RT: 8.095 min Scan# 2189
Delta R.T. 0.016 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

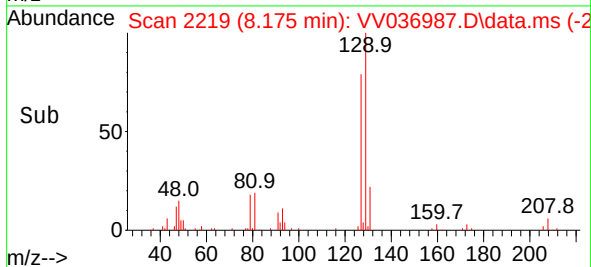
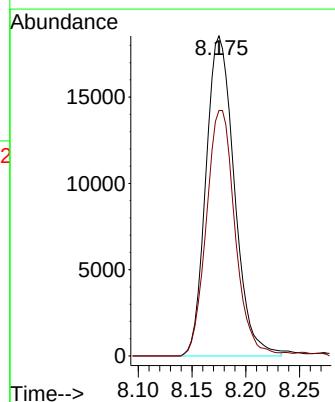
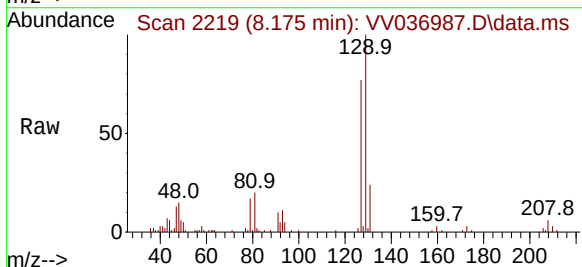
Instrument :
MSVOA_V
ClientSampleId :

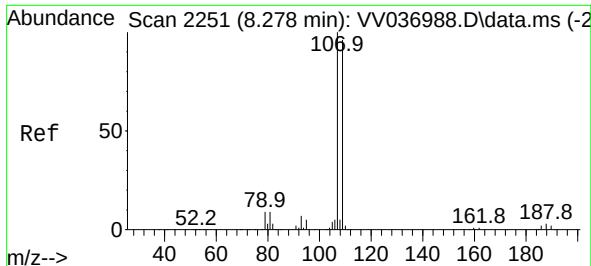
Tgt Ion: 43	Resp: 25240
Ion Ratio	Lower Upper
43 100	
58 52.4	45.0 67.6
57 17.4	13.3 19.9
100 13.4	9.1 13.7



#49
Dibromochloromethane
Concen: 4.644 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.003 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

Tgt Ion:129	Resp: 34137
Ion Ratio	Lower Upper
129 100	
127 76.7	54.9 101.9

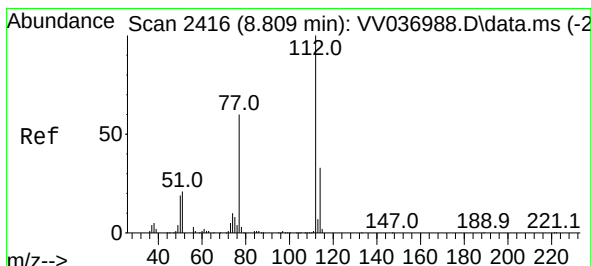
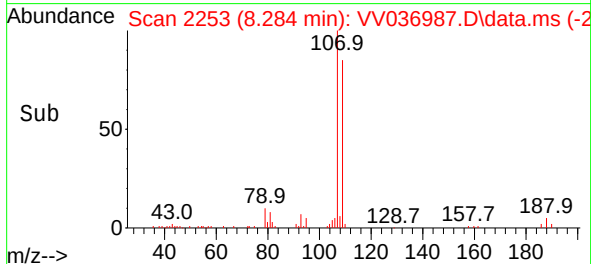
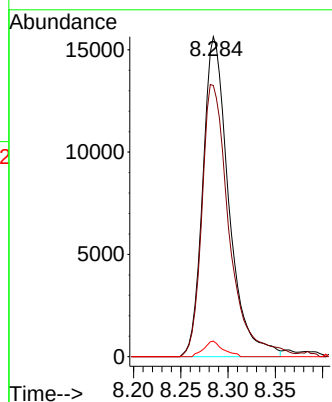
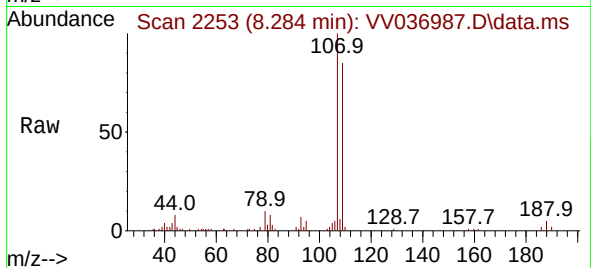




#50
1,2-Dibromoethane
Concen: 4.886 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

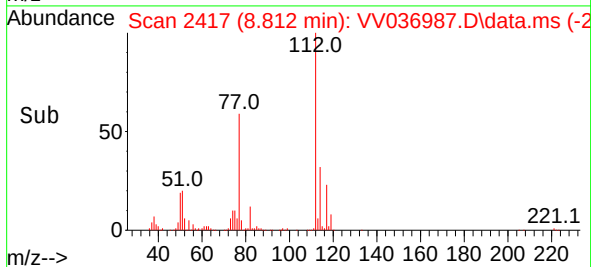
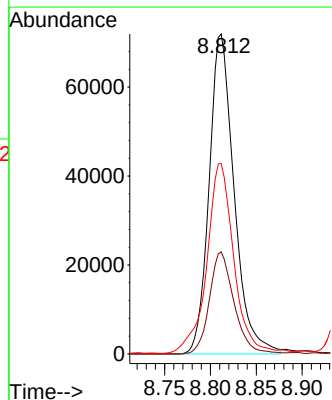
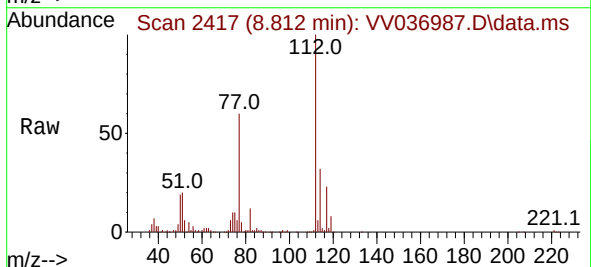
Instrument :
MSVOA_V
ClientSampleId :

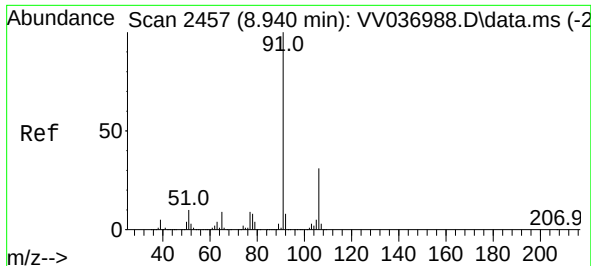
Tgt Ion:107 Resp: 29854
Ion Ratio Lower Upper
107 100
109 84.7 67.1 124.7
188 4.9 2.5 3.7#



#51
Chlorobenzene
Concen: 4.885 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

Tgt Ion:112 Resp: 136380
Ion Ratio Lower Upper
112 100
114 31.9 22.8 42.4
77 59.5 47.8 71.8





#52

Ethylbenzene

Concen: 4.787 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

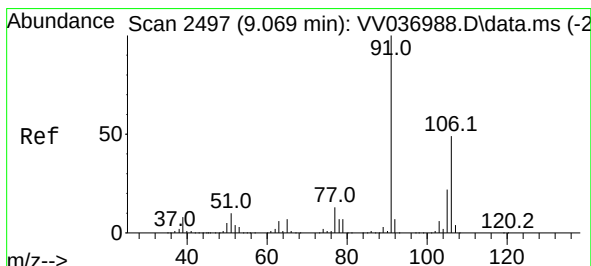
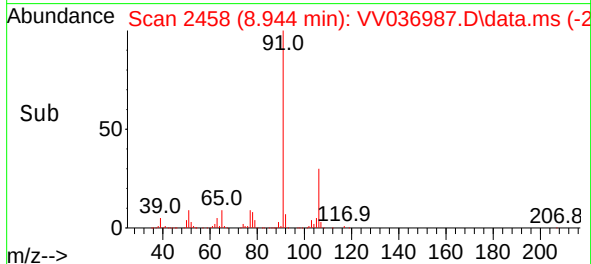
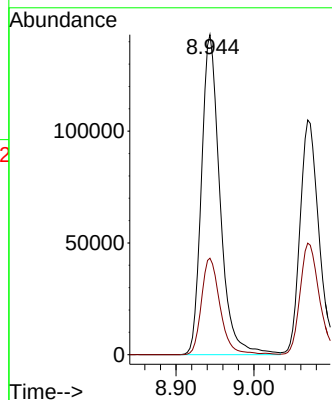
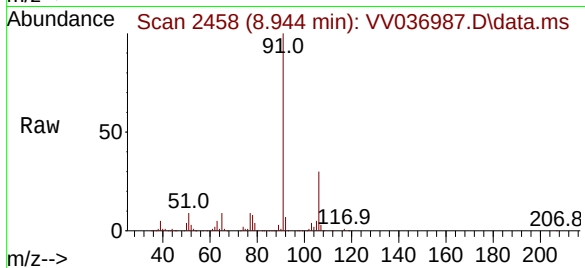
ClientSampleId :

Tgt Ion: 91 Resp: 236450

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



#53

m,p-Xylene

Concen: 4.708 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.000 min

Lab File: VV036987.D

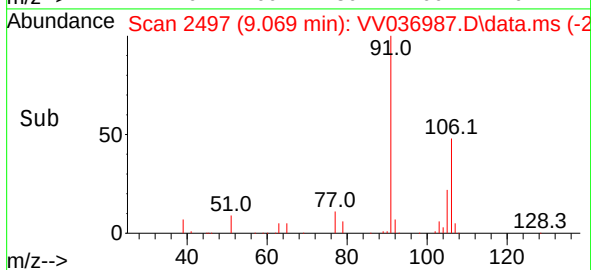
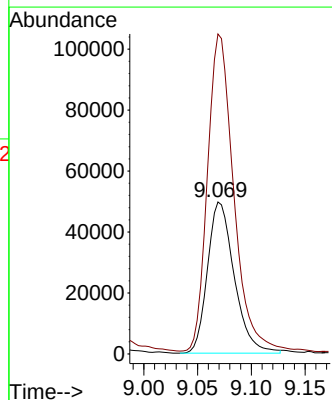
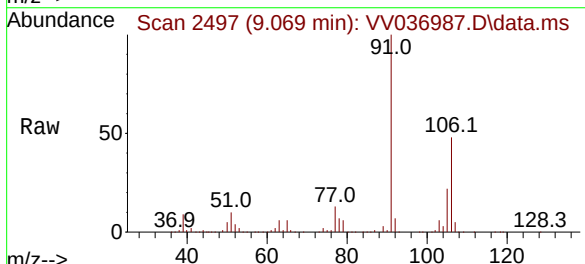
Acq: 21 Aug 2024 10:52

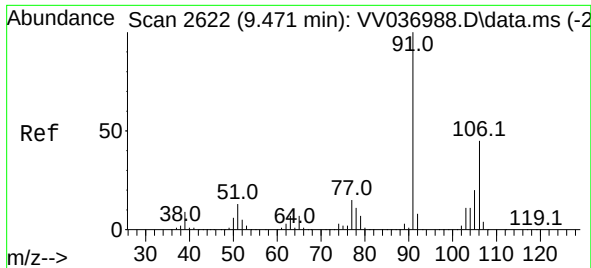
Tgt Ion: 106 Resp: 86018

Ion Ratio Lower Upper

106 100

91 210.5 142.5 264.6

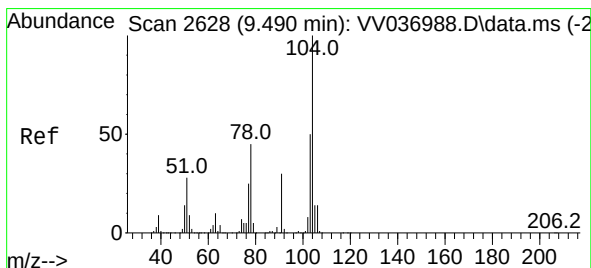
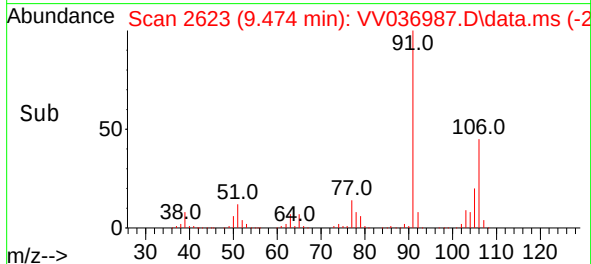
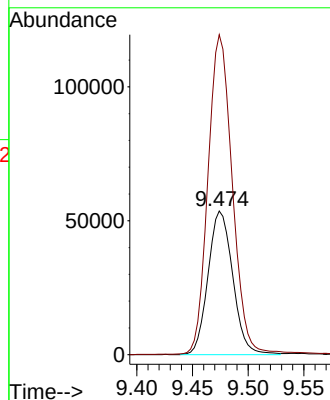
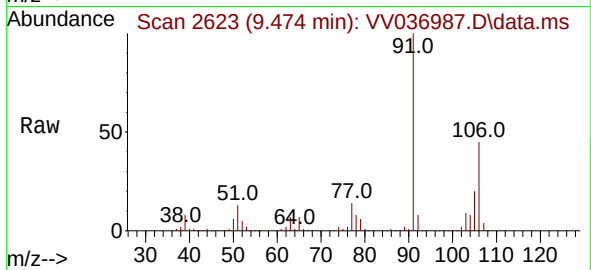




#54
o-Xylene
Concen: 4.712 ug/L
RT: 9.474 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

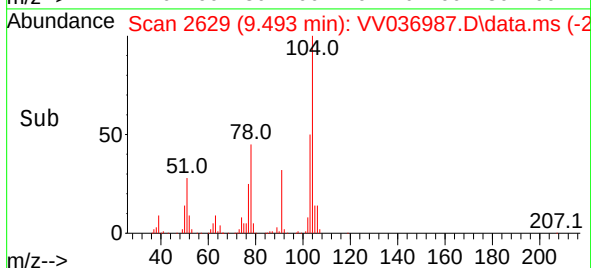
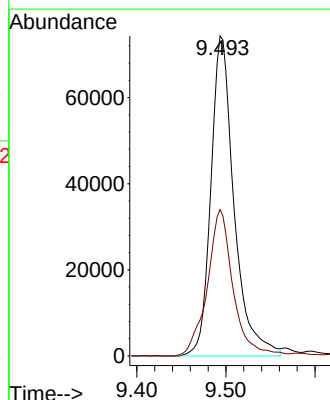
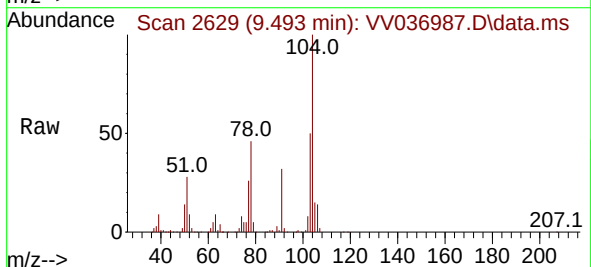
Instrument :
MSVOA_V
ClientSampleId :

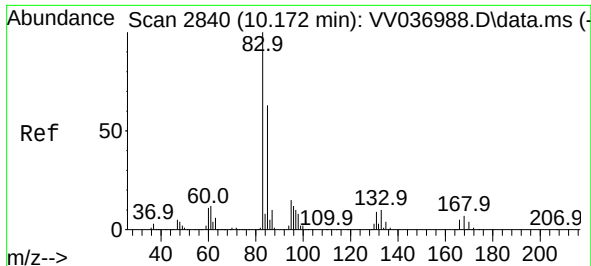
Tgt Ion:106 Resp: 82905
Ion Ratio Lower Upper
106 100
91 222.6 154.2 286.4



#55
Styrene
Concen: 4.577 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.003 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

Tgt Ion:104 Resp: 134432
Ion Ratio Lower Upper
104 100
78 45.8 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.627 ug/L

RT: 10.175 min Scan# 2840

Delta R.T. 0.003 min

Lab File: VV036987.D

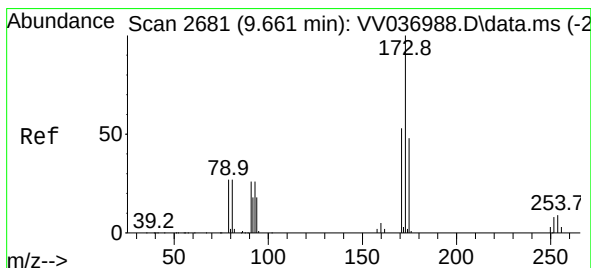
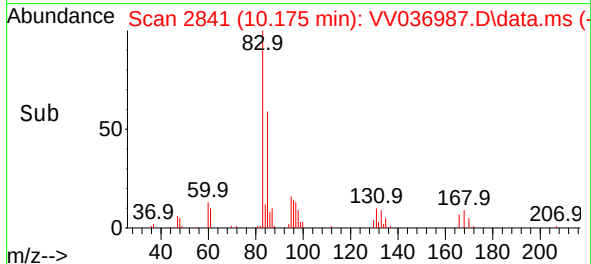
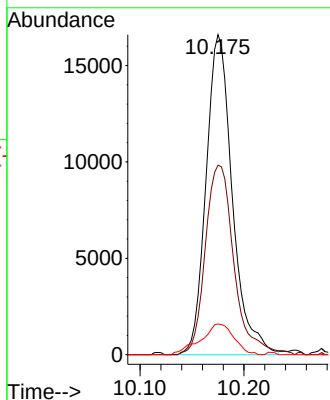
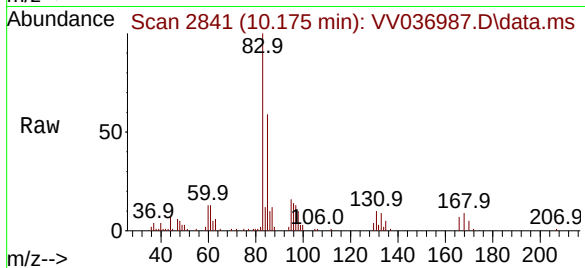
Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	29204
Ion Ratio	Lower	Upper	
83	100		
85	59.2	44.3	82.3
131	9.6	7.2	10.8



#59

Bromoform

Concen: 4.565 ug/L

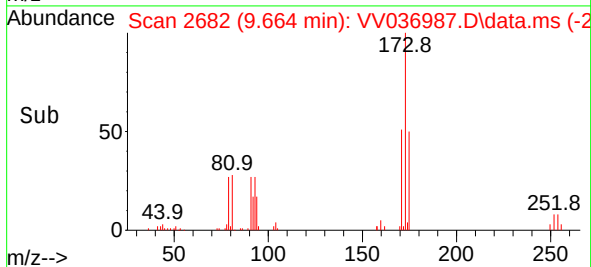
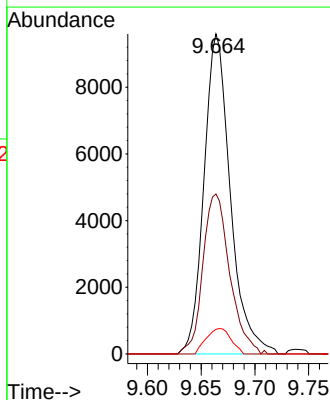
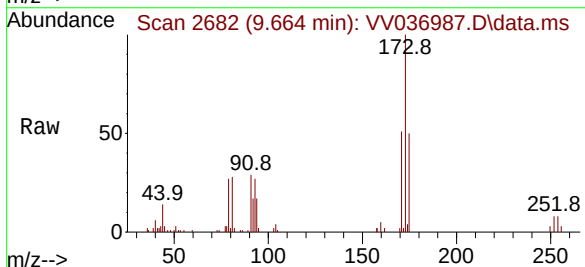
RT: 9.664 min Scan# 2682

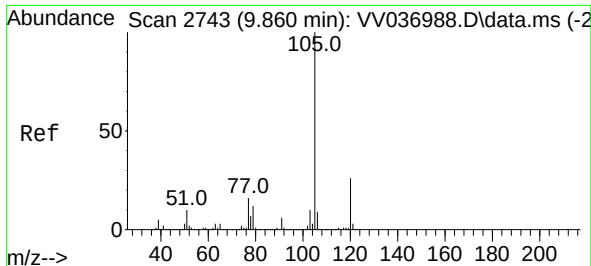
Delta R.T. 0.003 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Tgt Ion:	173	Resp:	16369
Ion Ratio	Lower	Upper	
173	100		
175	50.8	39.4	59.0
254	7.4	6.6	10.0





#60

Isopropylbenzene

Concen: 4.754 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

ClientSampleId :

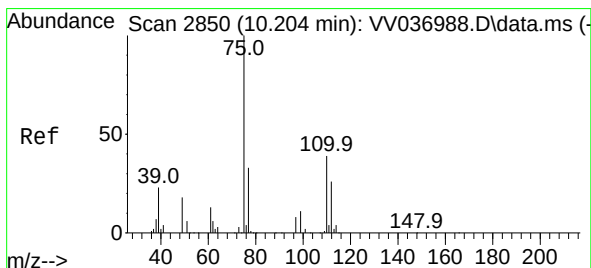
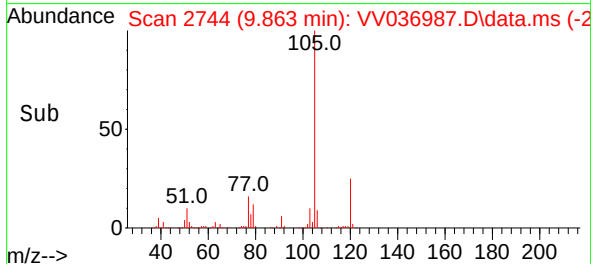
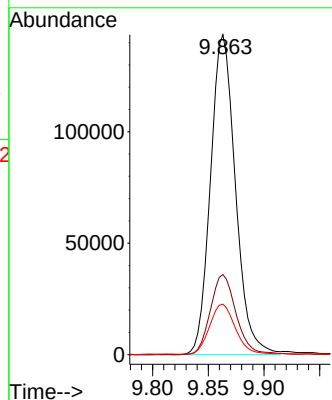
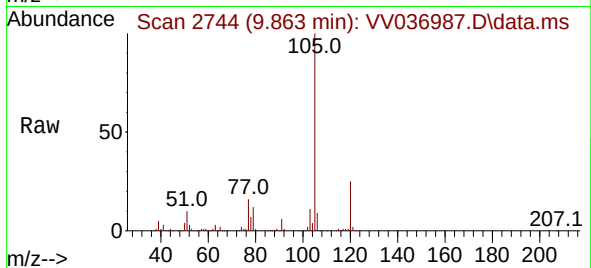
Tgt Ion:105 Resp: 223796

Ion Ratio Lower Upper

105 100

120 25.9 20.3 30.5

77 16.0 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.868 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.003 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

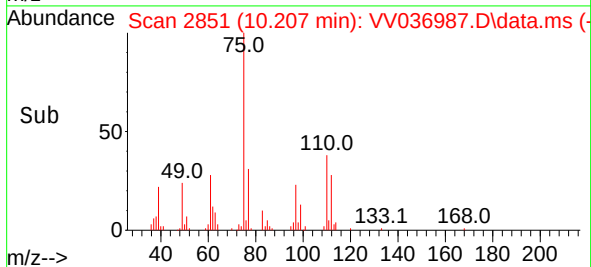
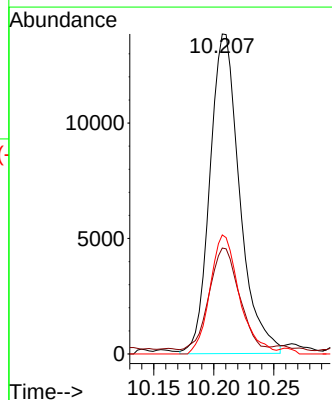
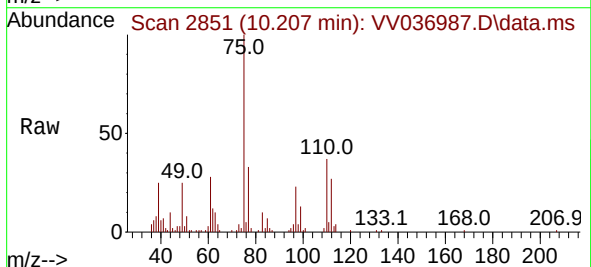
Tgt Ion: 75 Resp: 23904

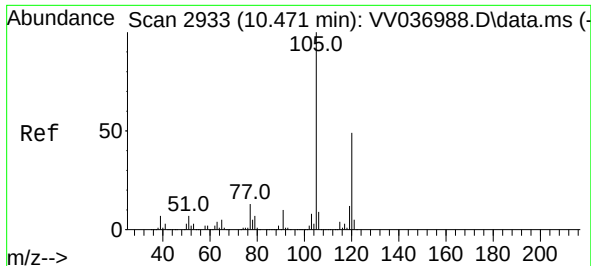
Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.4

110 36.7 31.4 47.2





#62

1,3,5-Trimethylbenzene

Concen: 4.729 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. -0.000 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

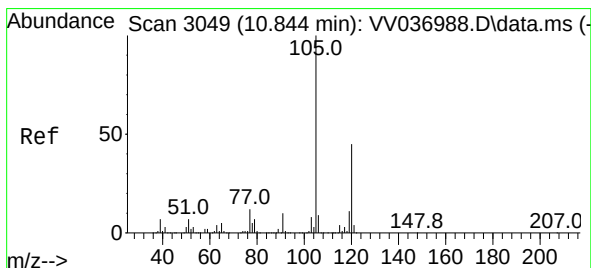
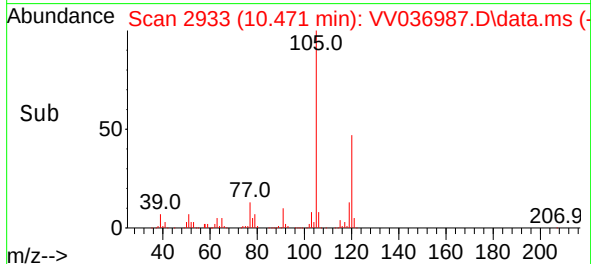
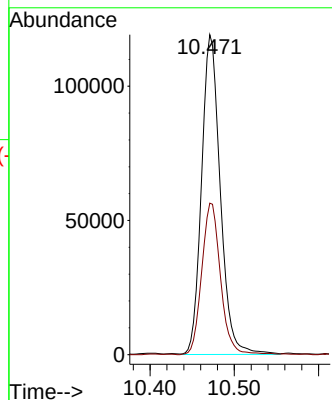
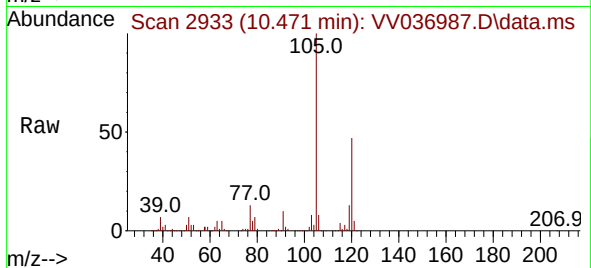
ClientSampleId :

Tgt Ion:105 Resp: 184535

Ion Ratio Lower Upper

105 100

120 47.2 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 4.627 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036987.D

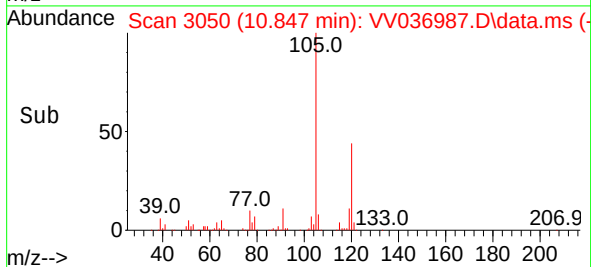
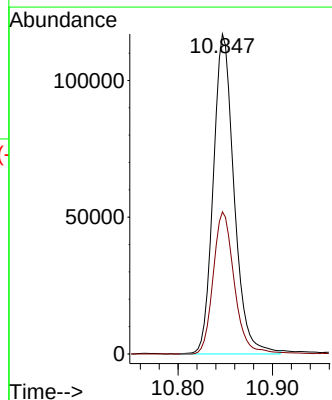
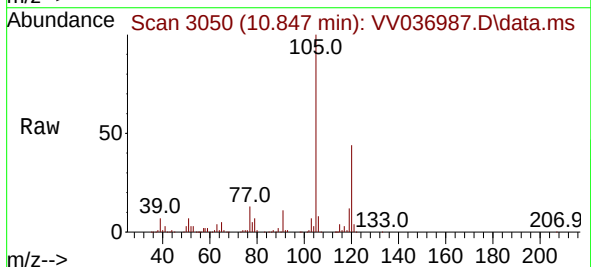
Acq: 21 Aug 2024 10:52

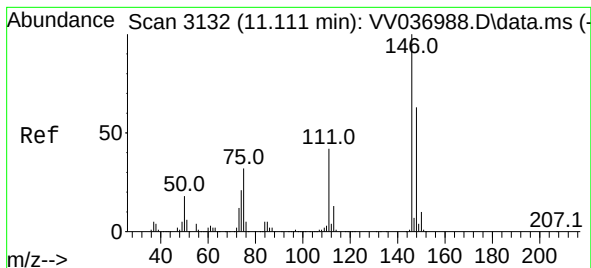
Tgt Ion:105 Resp: 178888

Ion Ratio Lower Upper

105 100

120 45.3 35.5 53.3





#64

1,3-Dichlorobenzene

Concen: 4.833 ug/L

RT: 11.114 min Scan# 3113

Delta R.T. 0.003 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

ClientSampleId :

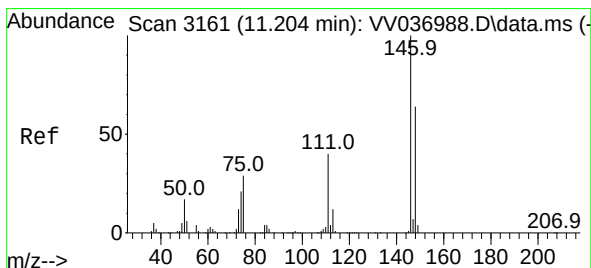
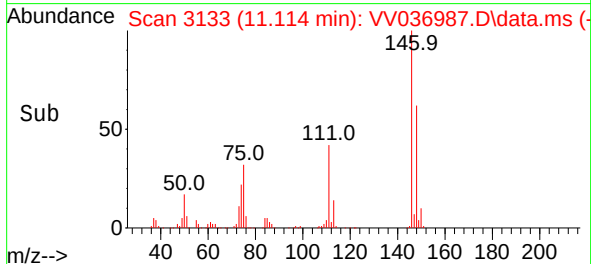
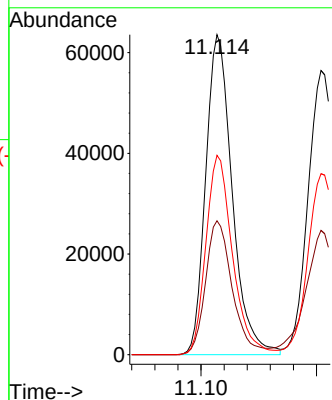
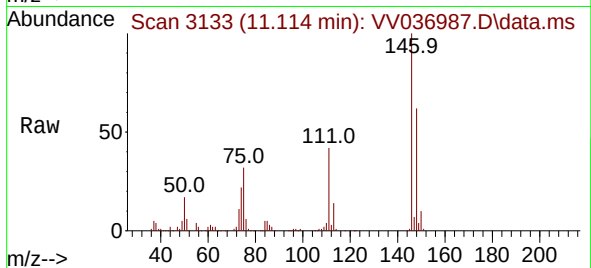
Tgt Ion:146 Resp: 101363

Ion Ratio Lower Upper

146 100

111 41.8 29.3 54.3

148 62.3 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 4.854 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

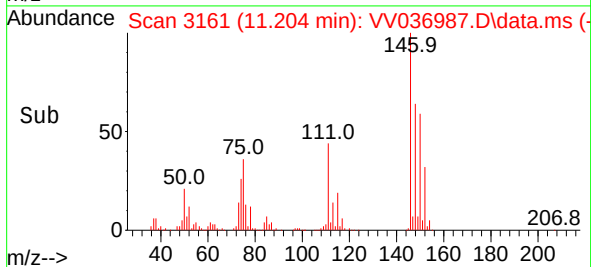
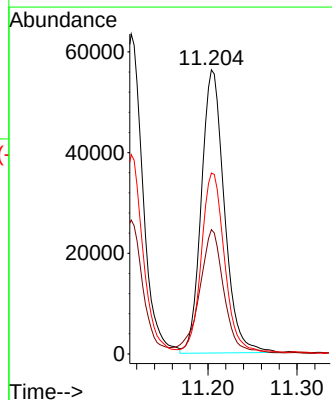
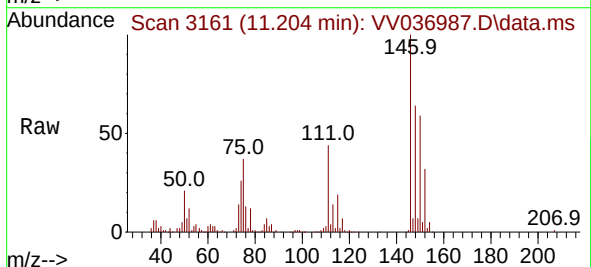
Tgt Ion:146 Resp: 101217

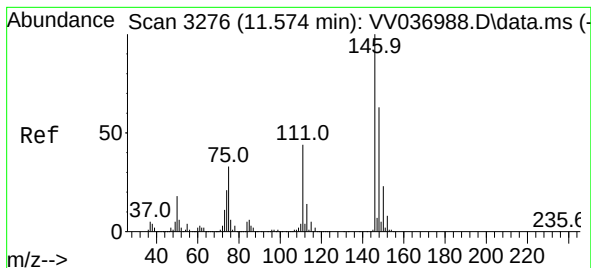
Ion Ratio Lower Upper

146 100

111 43.8 28.1 52.1

148 63.7 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 4.919 ug/L

RT: 11.574 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

ClientSampleId :

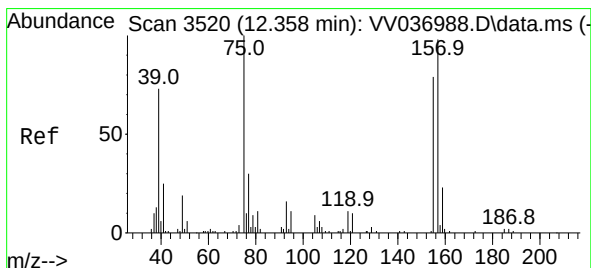
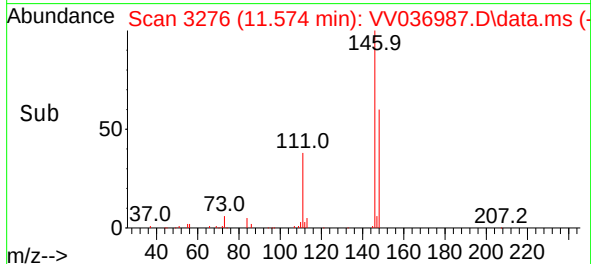
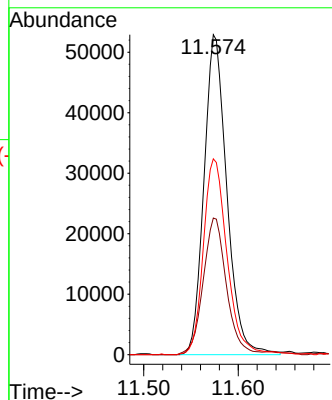
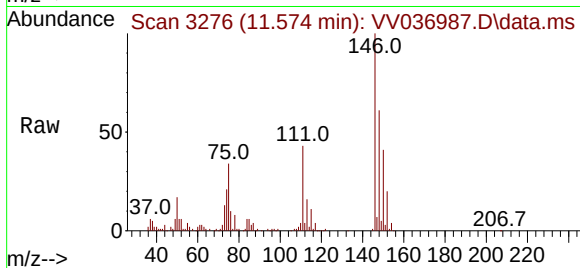
Tgt Ion:146 Resp: 88791

Ion Ratio Lower Upper

146 100

111 42.7 35.2 52.8

148 61.2 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.437 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.006 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

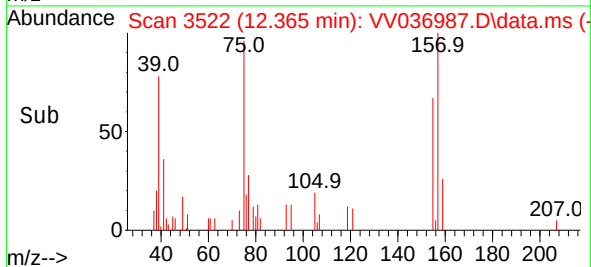
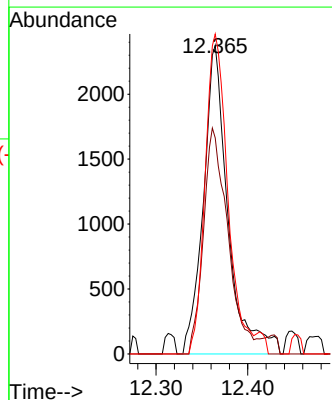
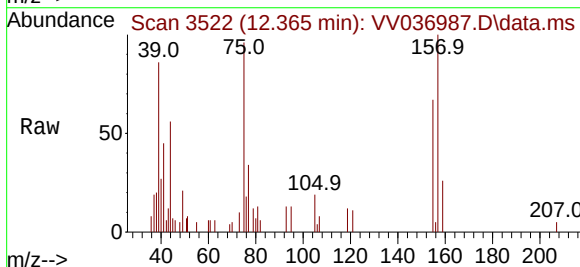
Tgt Ion: 75 Resp: 4437

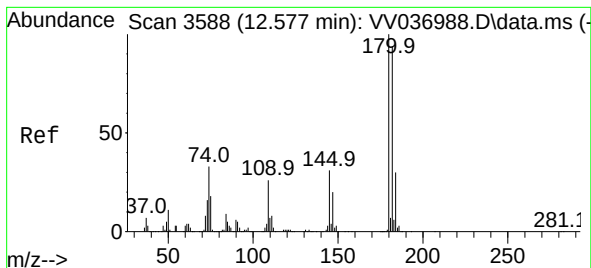
Ion Ratio Lower Upper

75 100

155 70.0 63.0 94.4

157 103.7 78.7 118.1





#69

1,3,5-Trichlorobenzene

Concen: 4.785 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

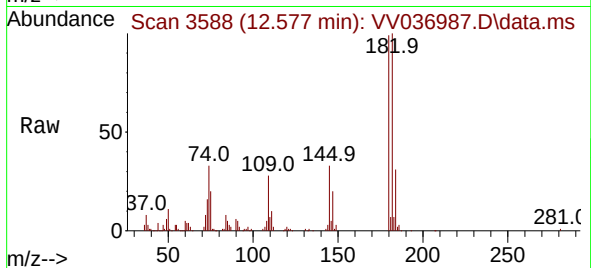
Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 69737

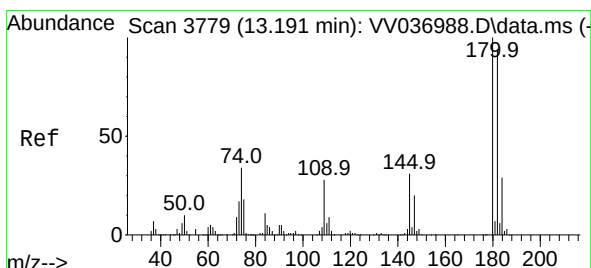
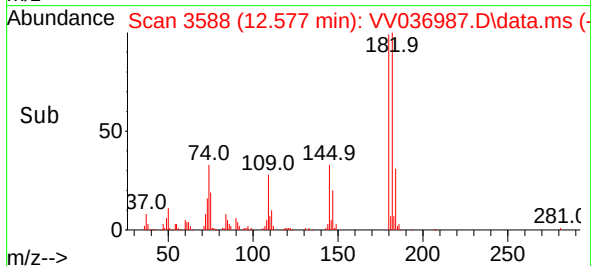
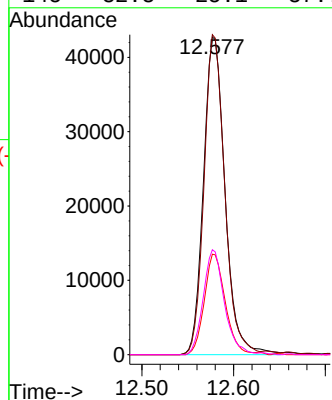
Ion Ratio Lower Upper

180 100

182 96.4 75.4 113.0

184 30.8 23.9 35.9

145 32.3 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 4.675 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.003 min

Lab File: VV036987.D

Acq: 21 Aug 2024 10:52

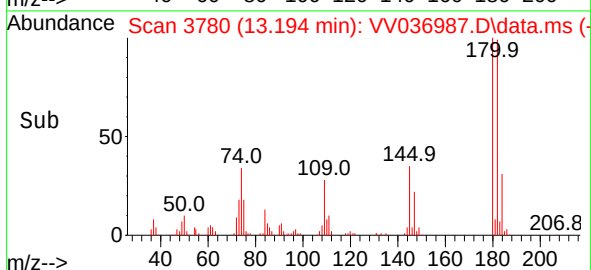
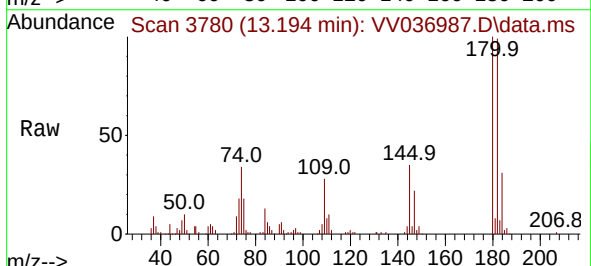
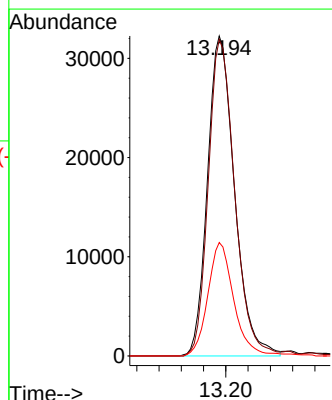
Tgt Ion:180 Resp: 54481

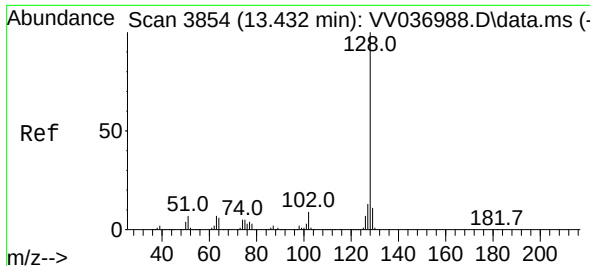
Ion Ratio Lower Upper

180 100

182 96.1 76.6 114.8

145 34.2 25.4 38.2

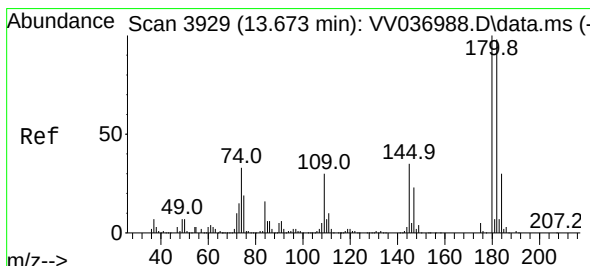
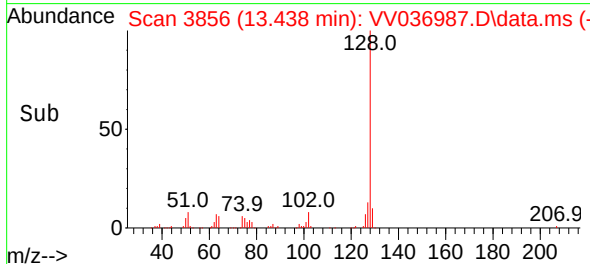
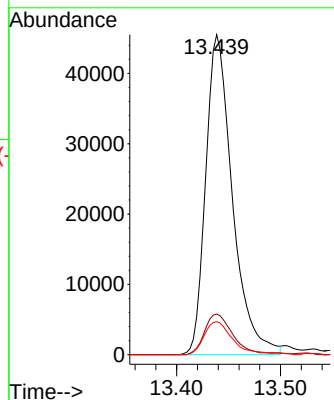
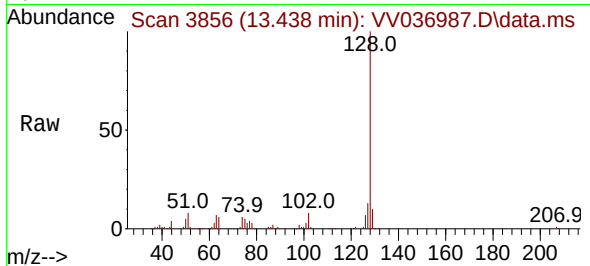




#71
Naphthalene
Concen: 4.447 ug/L
RT: 13.438 min Scan# 3854
Delta R.T. 0.006 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 81347
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 4.824 ug/L
RT: 13.676 min Scan# 3930
Delta R.T. 0.003 min
Lab File: VV036987.D
Acq: 21 Aug 2024 10:52

Tgt Ion:180 Resp: 47188
Ion Ratio Lower Upper
180 100
182 94.8 77.4 116.0
145 34.2 27.9 41.9

