

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072524\
 Data File : VV036673.D
 Acq On : 24 Jul 2024 19:24
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 25 03:01:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072424WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 25 02:54:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	374518	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	379802	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	217433	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	121384	44.044	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.080%
7) Chloroethane-d5	1.526	69	103827	44.000	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.000%
11) 1,1-Dichloroethene-d2	2.053	65	58173	44.128	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.260%
21) 2-Butanone-d5	3.780	46	133021	94.176	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.180%
24) Chloroform-d	4.243	84	256020	45.371	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.740%
26) 1,2-Dichloroethane-d4	4.937	65	153646	45.723	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.440%
32) Benzene-d6	4.953	84	471696	47.348	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.700%
36) 1,2-Dichloropropane-d6	5.986	67	129144	45.664	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.320%
41) Toluene-d8	7.239	98	473320	48.708	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.420%
43) trans-1,3-Dichloroprop...	7.548	79	70904	46.322	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.640%
47) 2-Hexanone-d5	8.021	63	106265	101.524	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.520%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	199369	45.495	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.980%
66) 1,2-Dichlorobenzene-d4	11.558	152	205098	45.760	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.520%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	156981	46.198	ug/L	100
3) Chloromethane	1.214	50	115197	46.114	ug/L	99
5) Vinyl chloride	1.282	62	141039	46.286	ug/L	99
6) Bromomethane	1.478	94	121990	51.908	ug/L	100
8) Chloroethane	1.542	64	94061	46.943	ug/L	99
9) Trichlorofluoromethane	1.709	101	252263	46.979	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	147736	46.331	ug/L	99
12) 1,1-Dichloroethene	2.063	96	136164	46.746	ug/L	85
13) Acetone	2.108	43	109262	80.693	ug/L	99
14) Carbon disulfide	2.233	76	346557	46.931	ug/L	99
15) Methyl Acetate	2.368	43	104803	47.664	ug/L	100
16) Methylene chloride	2.442	84	134896	45.125	ug/L	96
17) trans-1,2-Dichloroethene	2.690	96	130804	47.004	ug/L	97
18) Methyl tert-butyl Ether	2.699	73	369038	48.975	ug/L	99
19) 1,1-Dichloroethane	3.105	63	212678	46.854	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	144890	48.175	ug/L	99
22) 2-Butanone	3.860	43	137641	92.699	ug/L	97
23) Bromochloromethane	4.143	128	86042	46.948	ug/L	98
25) Chloroform	4.269	83	255812	46.575	ug/L	99

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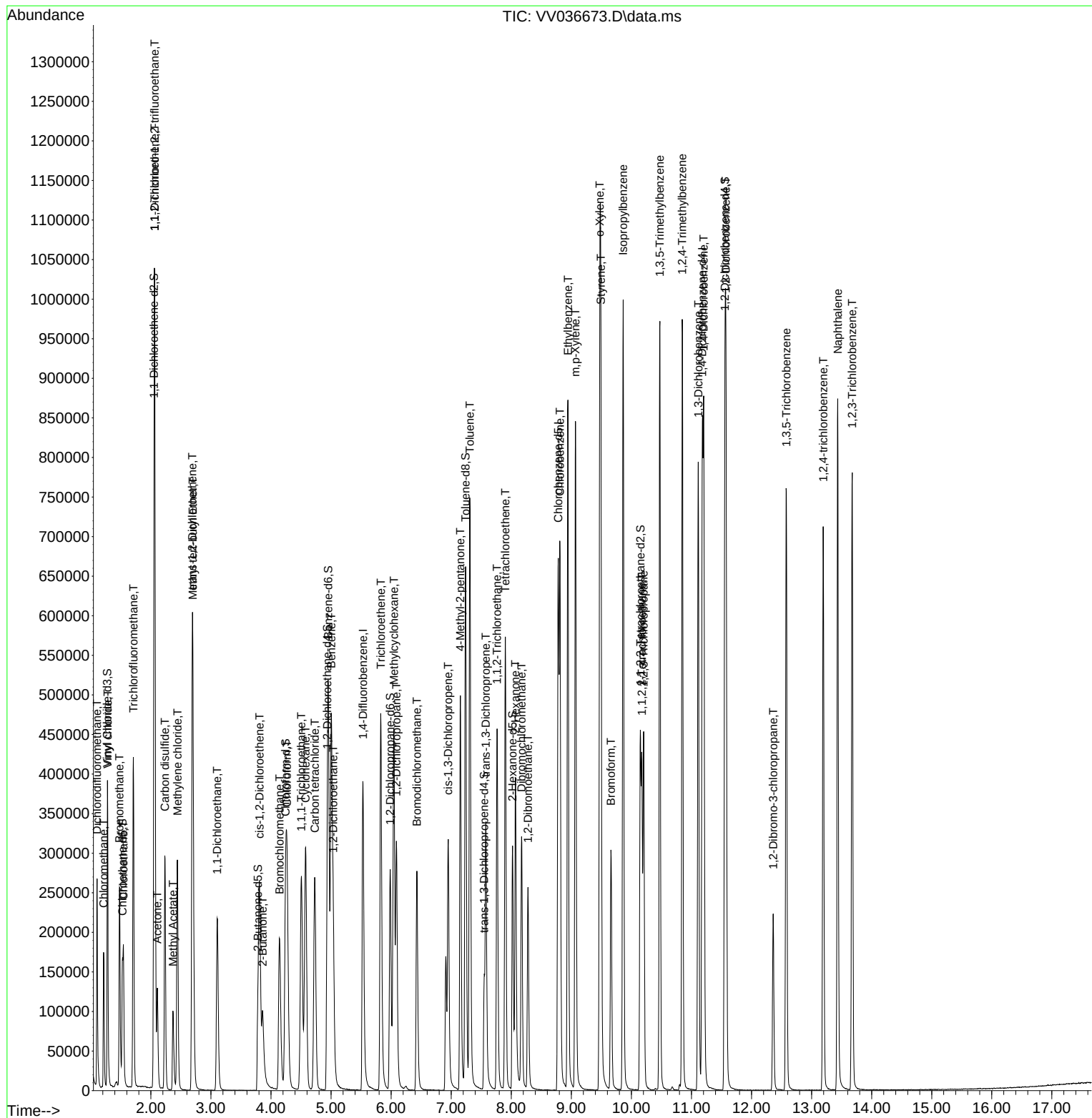
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	188585	47.700	ug/L	100
29) Cyclohexane	4.577	56	154623	50.727	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	232765	47.619	ug/L	99
31) Carbon tetrachloride	4.728	117	215792	47.095	ug/L	99
33) Benzene	5.005	78	503751	49.717	ug/L	100
34) Trichloroethene	5.828	95	163709	46.864	ug/L	99
35) Methylcyclohexane	6.047	83	207626	50.645	ug/L	100
37) 1,2-Dichloropropane	6.088	63	117390	47.992	ug/L	99
38) Bromodichloromethane	6.429	83	190255	47.130	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	194280	46.546	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	279692	103.853	ug/L	99
42) Toluene	7.310	91	575727	50.981	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	202451	49.507	ug/L	100
45) 1,1,2-Trichloroethane	7.764	97	148847	48.069	ug/L	99
46) Tetrachloroethene	7.902	164	137987	46.063	ug/L	98
48) 2-Hexanone	8.069	43	222328	102.316	ug/L	97
49) Dibromochloromethane	8.172	129	171054	47.680	ug/L	98
50) 1,2-Dibromoethane	8.278	107	169461	48.276	ug/L	100
51) Chlorobenzene	8.809	112	400033	48.018	ug/L	99
52) Ethylbenzene	8.944	91	612849	49.985	ug/L	99
53) m,p-Xylene	9.069	106	246517	51.655	ug/L	98
54) o-Xylene	9.474	106	235714	51.413	ug/L	98
55) Styrene	9.493	104	427353	53.510	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	190978	47.562	ug/L	97
59) Bromoform	9.661	173	144511	48.328	ug/L	99
60) Isopropylbenzene	9.863	105	639961	52.462	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	176049	48.282	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	516024	53.357	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	520900	53.645	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	344612	48.861	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	357712	48.138	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	350339	48.680	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	53899	48.349	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	259459	48.462	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	231574	49.613	ug/L	100
71) Naphthalene	13.435	128	691926	55.307	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	256293	51.468	ug/L	100

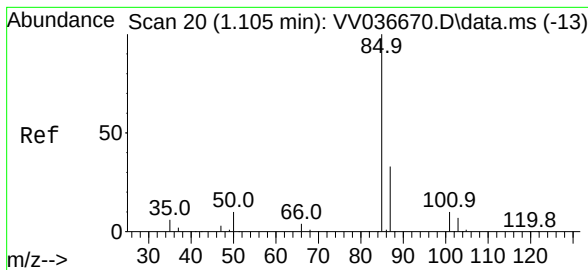
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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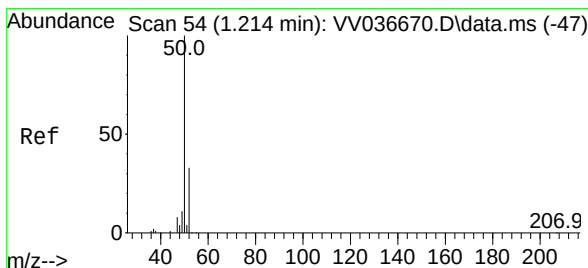
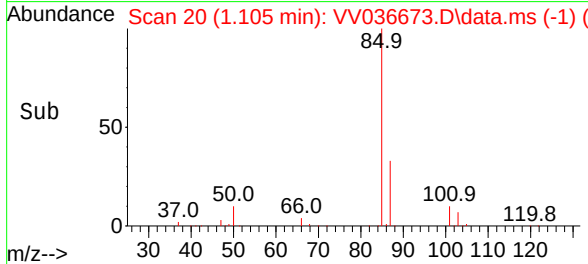
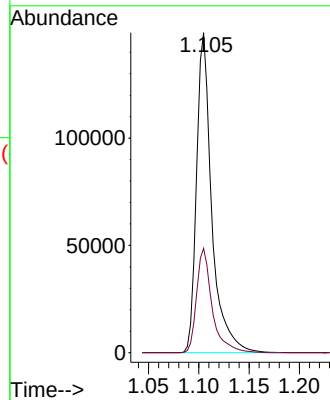
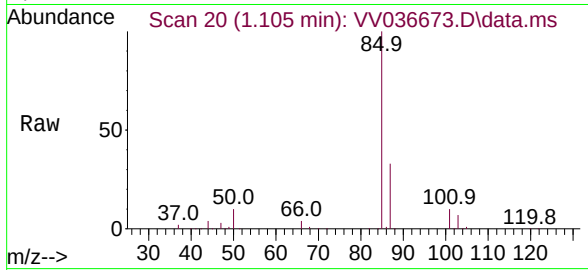




#2
Dichlorodifluoromethane
Concen: 46.198 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

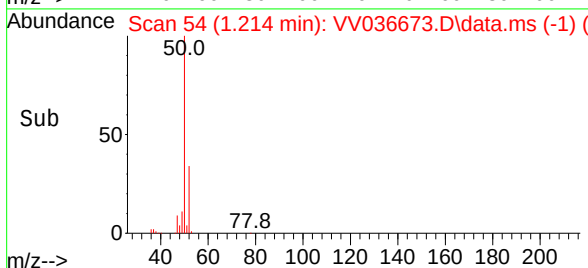
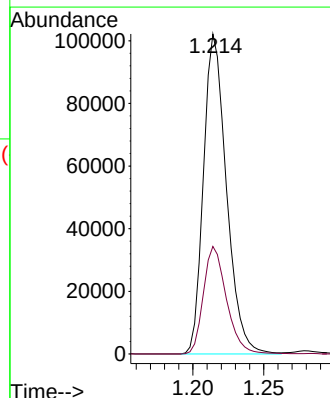
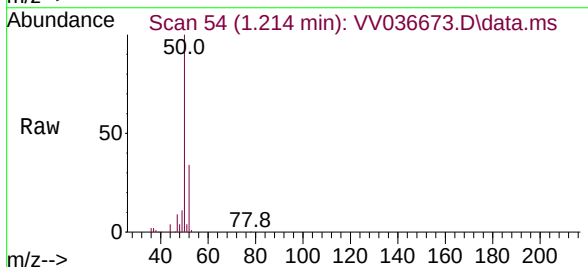
Instrument :
MSVOA_V
ClientSampleId :

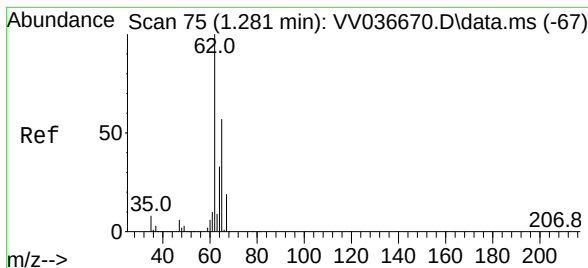
Tgt Ion: 85 Resp: 156981
Ion Ratio Lower Upper
85 100
87 33.3 26.4 39.6



#3
Chloromethane
Concen: 46.114 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

Tgt Ion: 50 Resp: 115197
Ion Ratio Lower Upper
50 100
52 33.6 23.2 43.0





#5

Vinyl chloride

Concen: 46.286 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

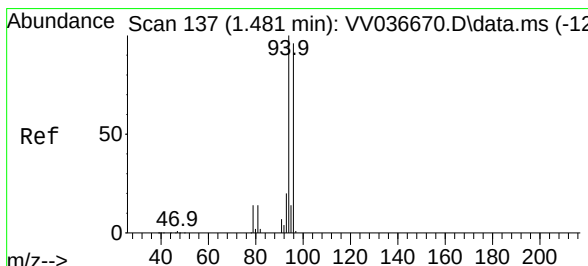
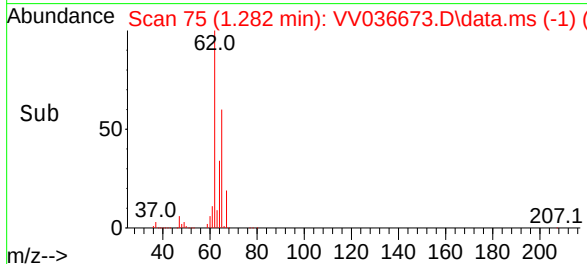
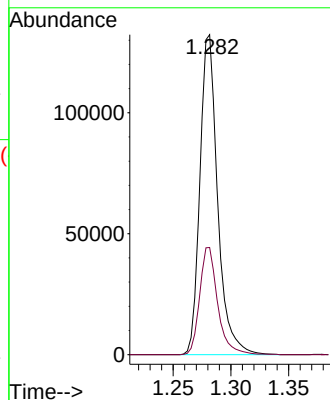
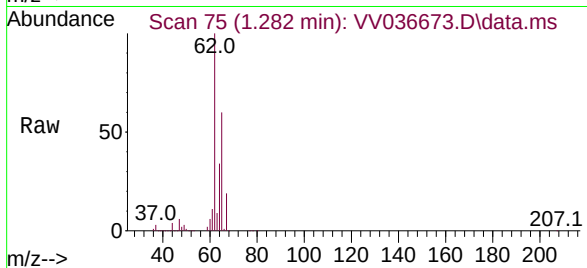
ClientSampleId :

Tgt Ion: 62 Resp: 141039

Ion Ratio Lower Upper

62 100

64 33.5 23.1 42.9



#6

Bromomethane

Concen: 51.908 ug/L

RT: 1.478 min Scan# 136

Delta R.T. -0.003 min

Lab File: VV036673.D

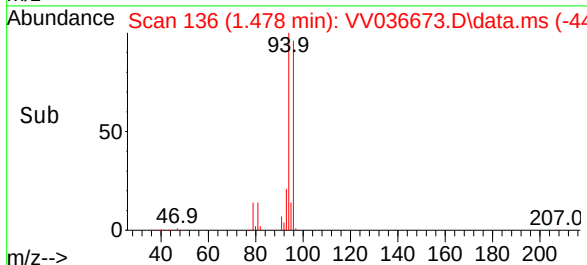
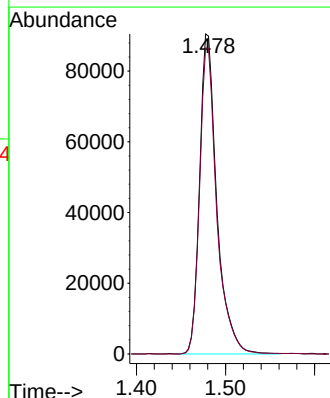
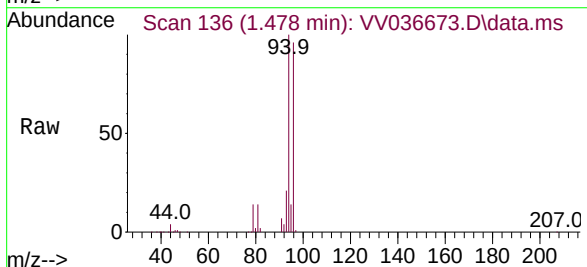
Acq: 24 Jul 2024 19:24

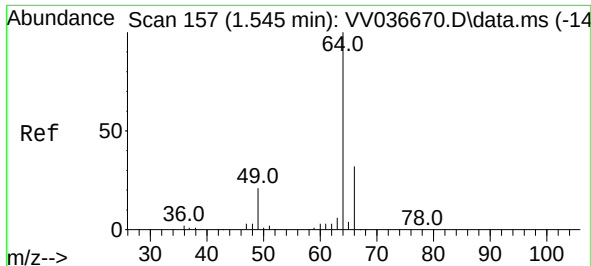
Tgt Ion: 94 Resp: 121990

Ion Ratio Lower Upper

94 100

96 95.7 66.8 124.2

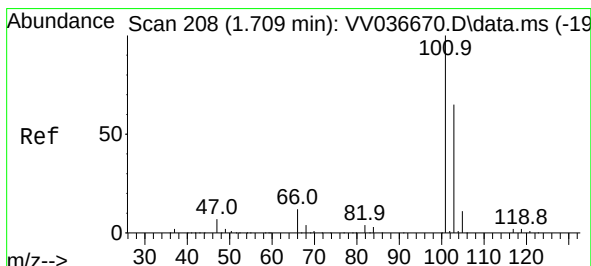
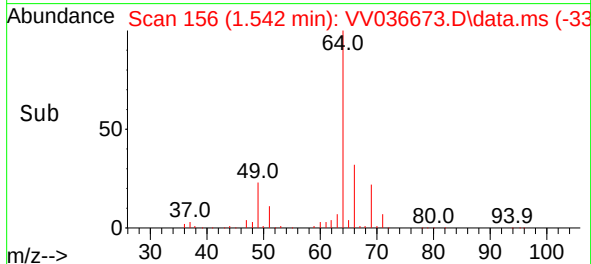
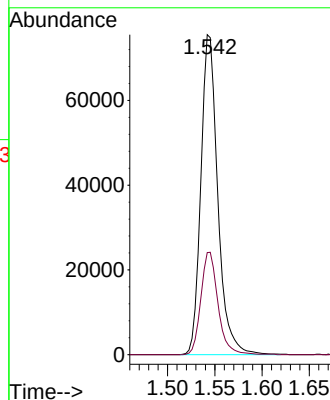
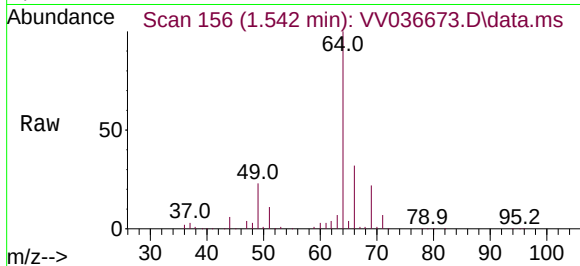




#8
Chloroethane
Concen: 46.943 ug/L
RT: 1.542 min Scan# 156
Delta R.T. -0.003 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

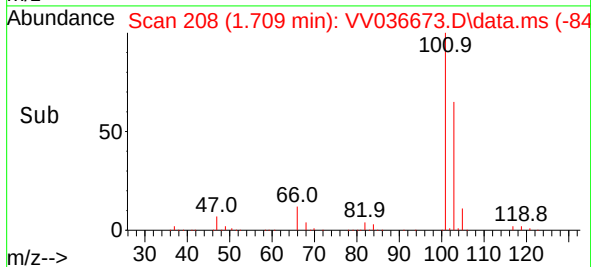
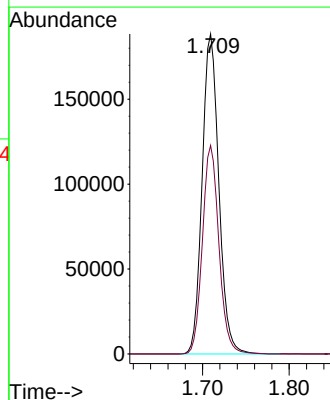
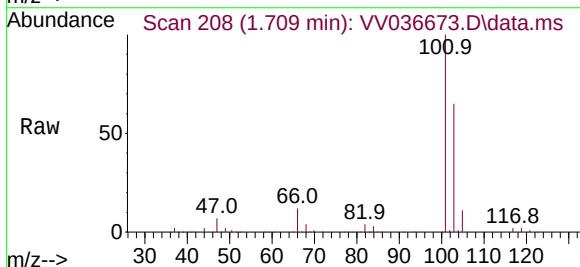
Instrument :
MSVOA_V
ClientSampleId :

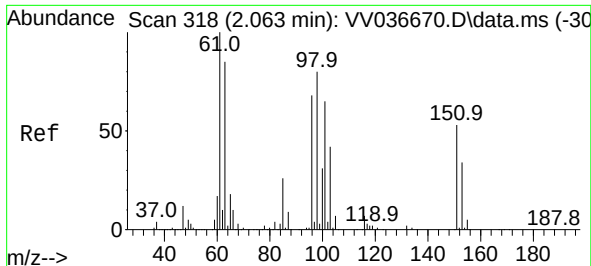
Tgt Ion: 64 Resp: 94061
Ion Ratio Lower Upper
64 100
66 31.9 22.8 42.4



#9
Trichlorofluoromethane
Concen: 46.979 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

Tgt Ion:101 Resp: 252263
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.4





#10

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

Concen: 46.331 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

ClientSampleId :

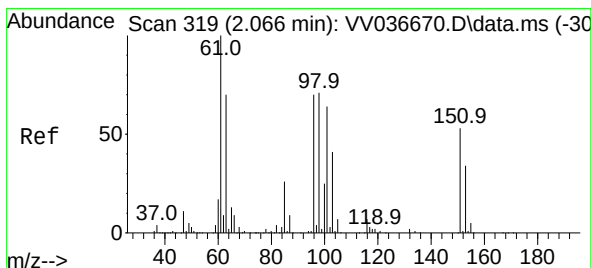
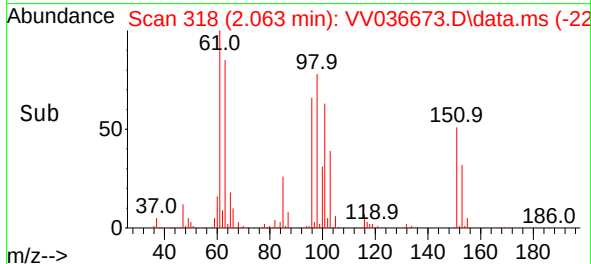
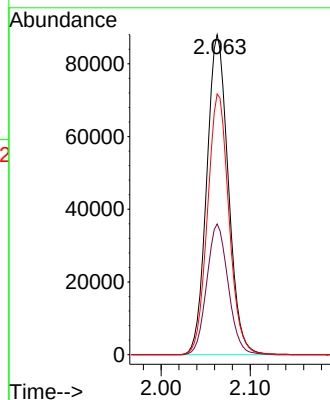
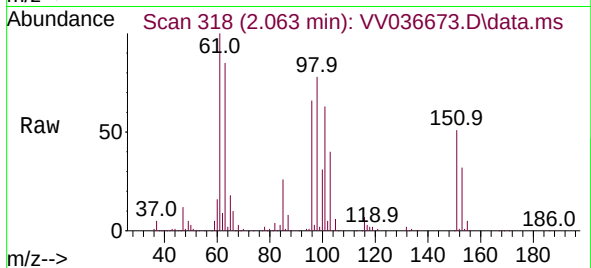
Tgt Ion:101 Resp: 147736

Ion Ratio Lower Upper

101 100

85 40.7 32.4 48.6

151 81.3 65.7 98.5



#12

1,1-Dichloroethene

Concen: 46.746 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.003 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

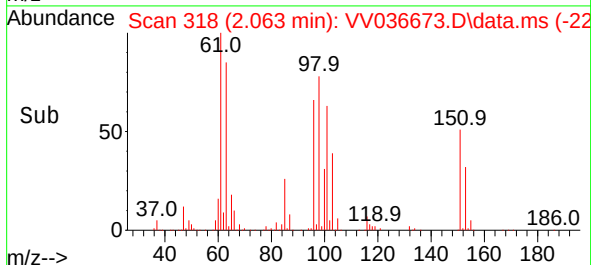
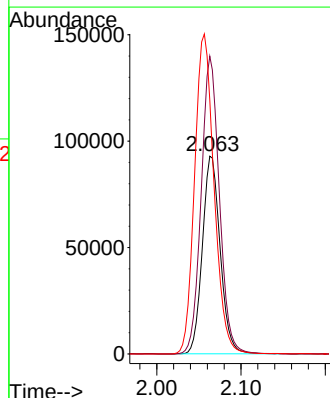
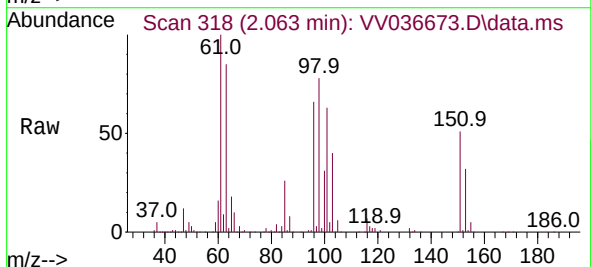
Tgt Ion: 96 Resp: 136164

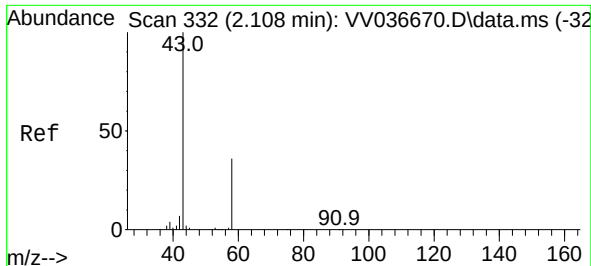
Ion Ratio Lower Upper

96 100

61 150.6 100.4 186.4

63 128.5 70.8 131.4





#13

Acetone

Concen: 80.693 ug/L

RT: 2.108 min Scan# 332

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

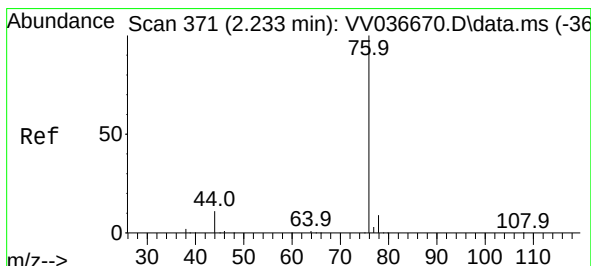
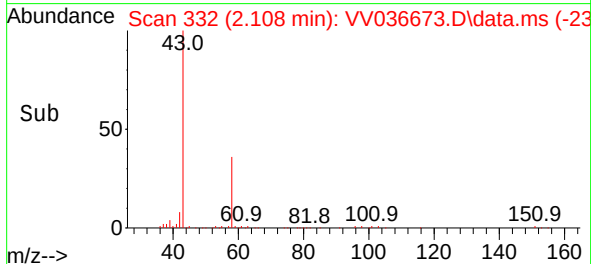
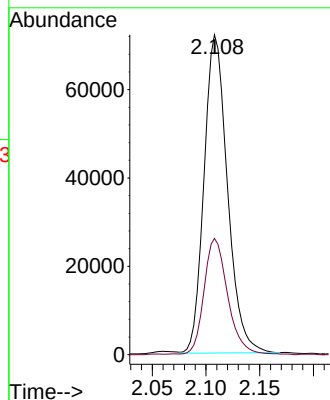
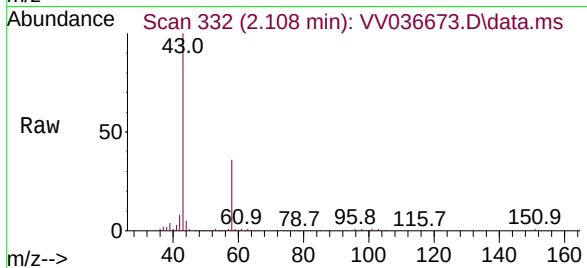
ClientSampleId :

Tgt Ion: 43 Resp: 109262

Ion Ratio Lower Upper

43 100

58 37.0 0.0 72.4



#14

Carbon disulfide

Concen: 46.931 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV036673.D

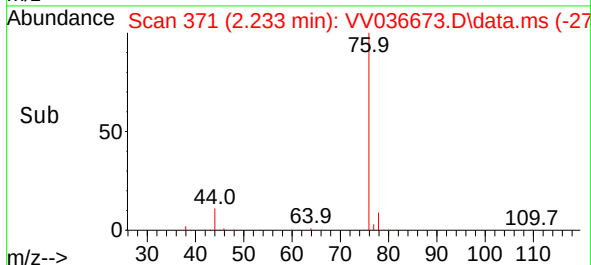
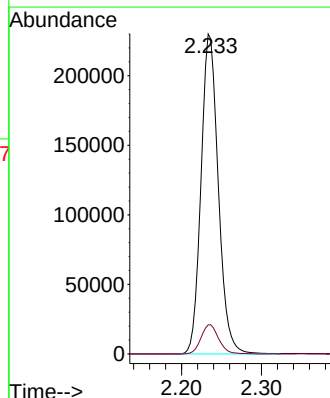
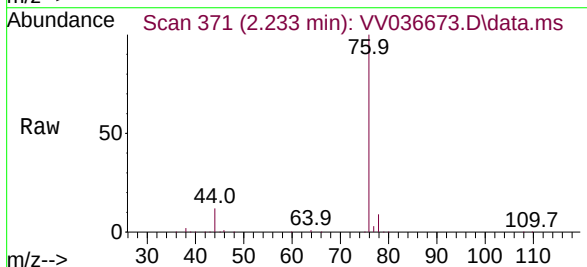
Acq: 24 Jul 2024 19:24

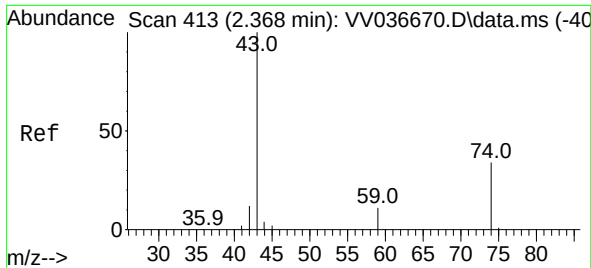
Tgt Ion: 76 Resp: 346557

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15

Methyl Acetate

Concen: 47.664 ug/L

RT: 2.368 min Scan# 413

Delta R.T. 0.000 min

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Instrument :

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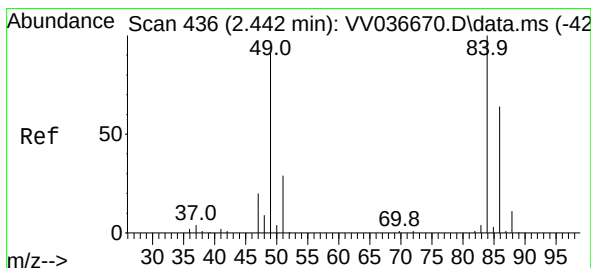
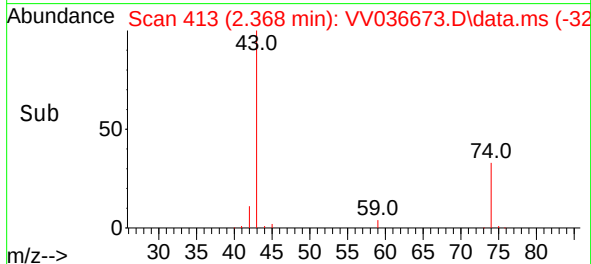
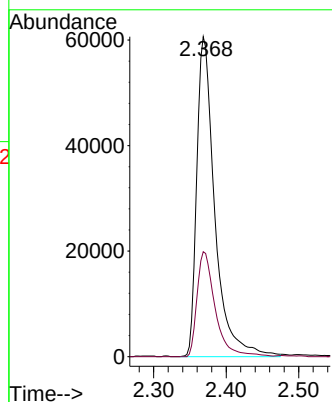
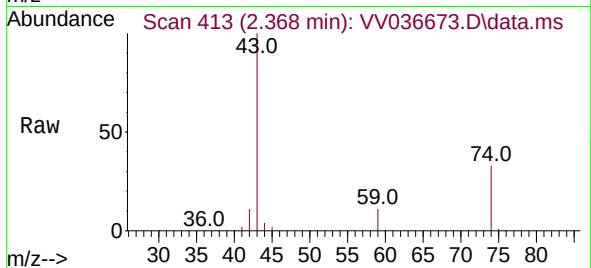
ClientSampleId :

Tgt Ion: 43 Resp: 104803

Ion Ratio Lower Upper

43 100

74 33.0 26.5 39.7



#16

Methylene chloride

Concen: 45.125 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

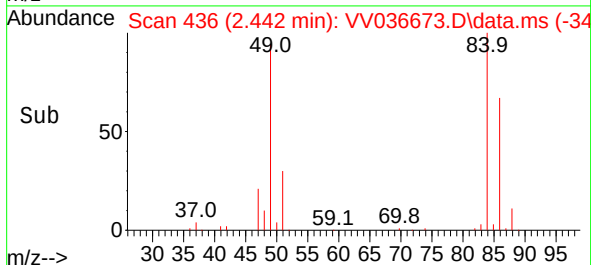
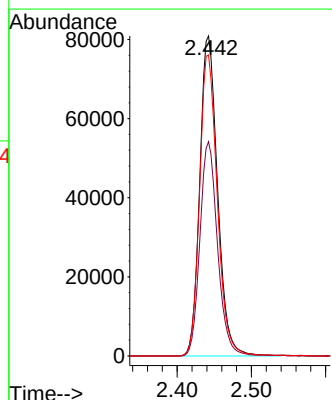
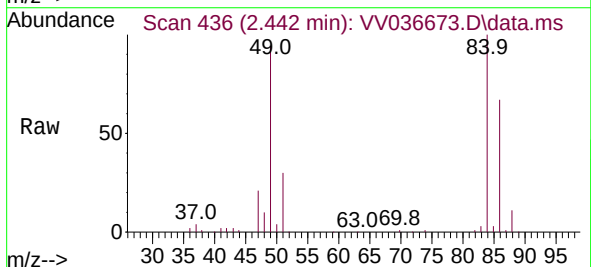
Tgt Ion: 84 Resp: 134896

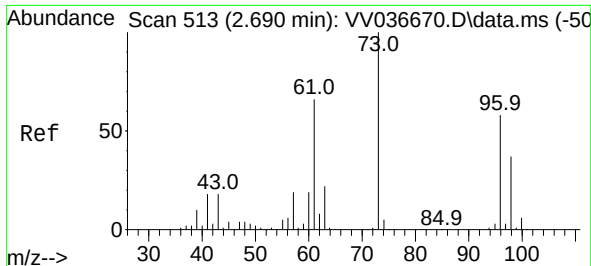
Ion Ratio Lower Upper

84 100

86 67.0 45.1 83.9

49 94.1 63.3 117.7





#17

trans-1,2-Dichloroethene

Concen: 47.004 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

ClientSampleId :

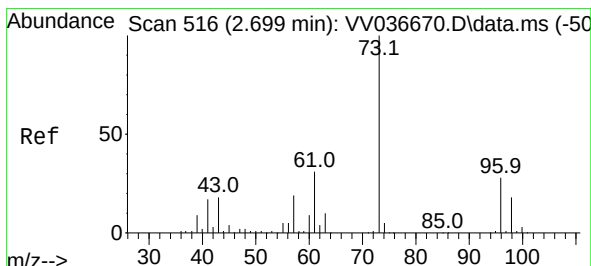
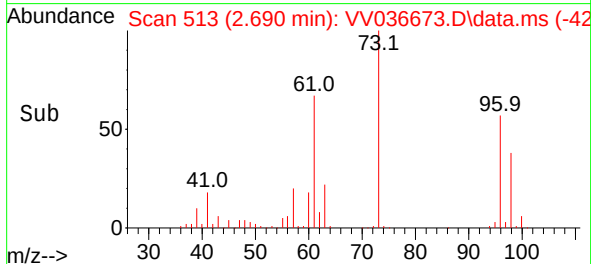
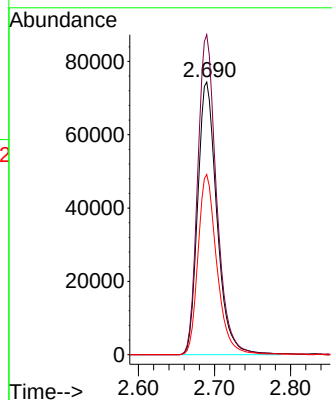
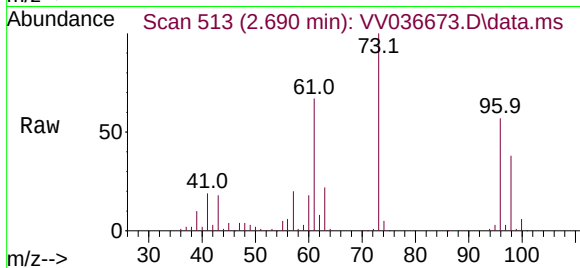
Tgt Ion: 96 Resp: 130804

Ion Ratio Lower Upper

96 100

61 117.4 80.2 148.9

98 66.1 44.5 82.7



#18

Methyl tert-butyl Ether

Concen: 48.975 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

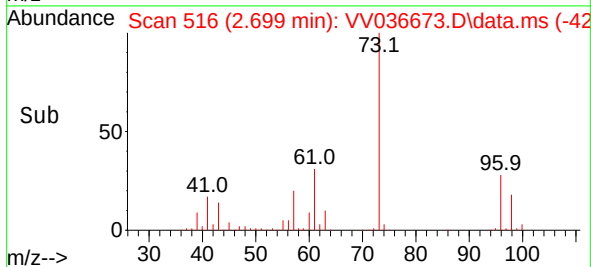
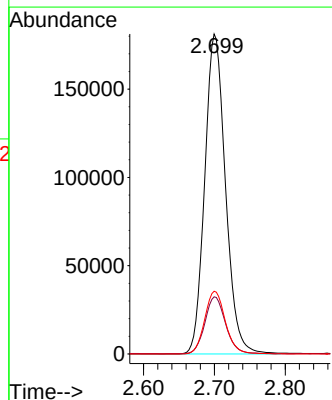
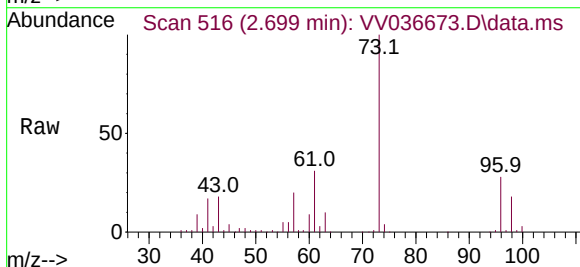
Tgt Ion: 73 Resp: 369038

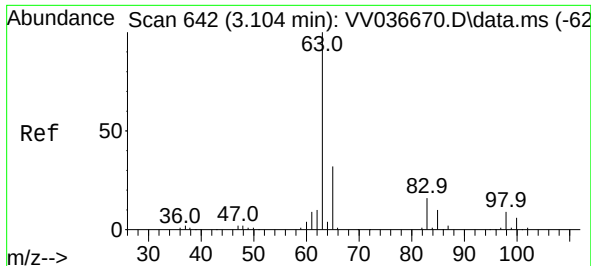
Ion Ratio Lower Upper

73 100

43 17.7 14.3 21.5

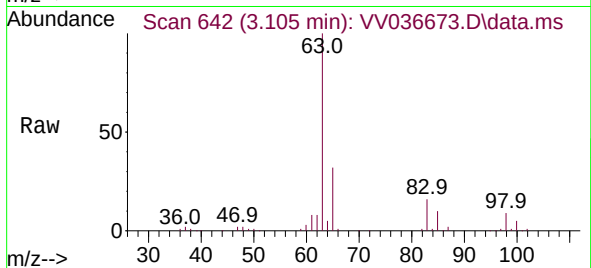
57 19.5 15.2 22.8



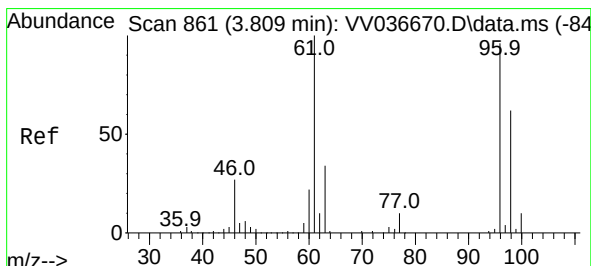
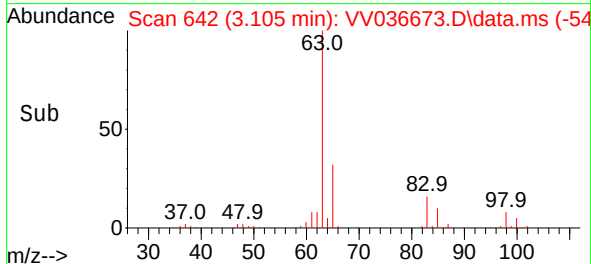
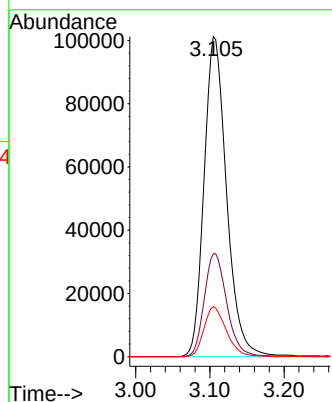


#19
1,1-Dichloroethane
Concen: 46.854 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

Instrument :
MSVOA_V
ClientSampleId :

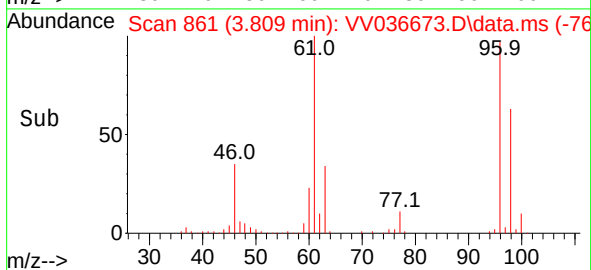
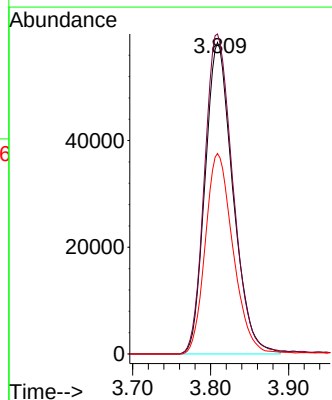
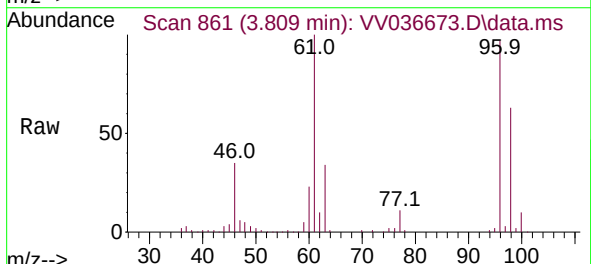


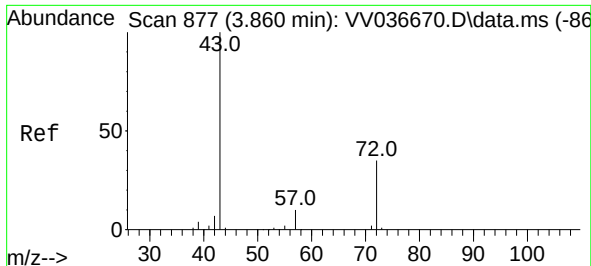
Tgt Ion:	63	Resp:	212678
Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.7	42.3
83	15.6	11.0	20.4



#20
cis-1,2-Dichloroethene
Concen: 48.175 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

Tgt Ion:	96	Resp:	144890
Ion	Ratio	Lower	Upper
96	100		
61	102.7	73.4	136.2
98	64.4	45.2	84.0





#22

2-Butanone

Concen: 92.699 ug/L

RT: 3.860 min Scan# 81

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

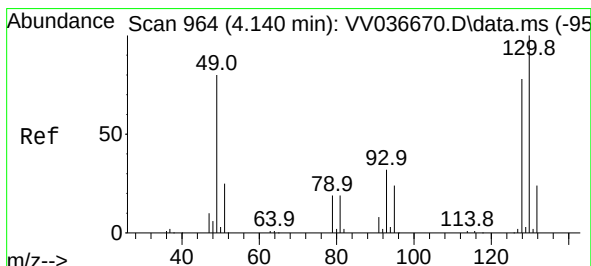
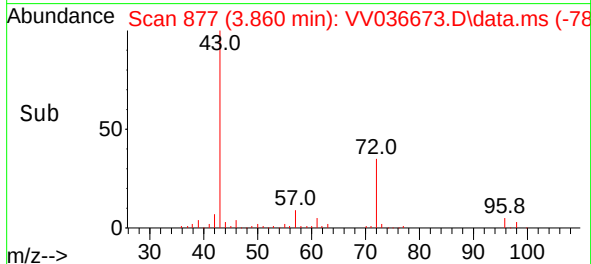
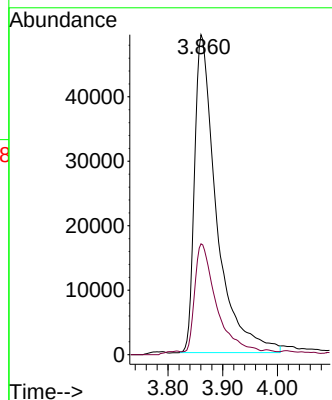
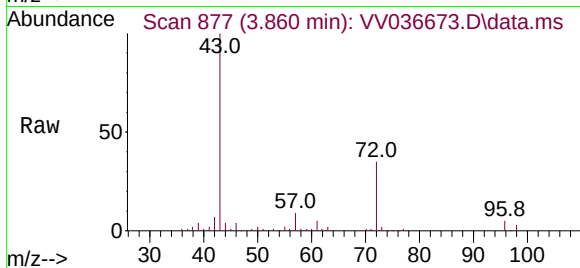
ClientSampleId :

Tgt Ion: 43 Resp: 137641

Ion Ratio Lower Upper

43 100

72 32.5 17.2 51.6



#23

Bromochloromethane

Concen: 46.948 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.003 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Tgt Ion:128 Resp: 86042

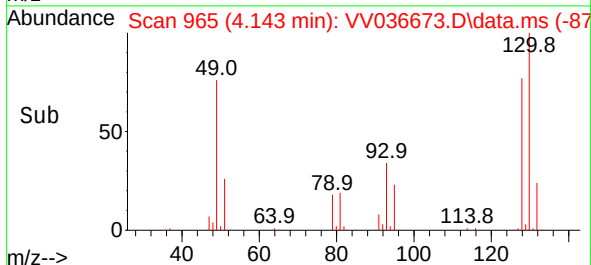
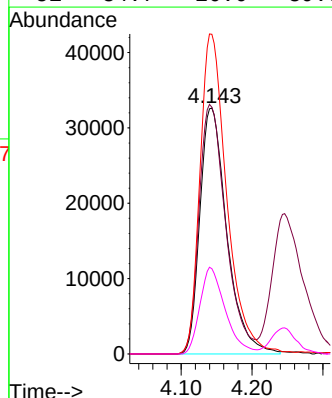
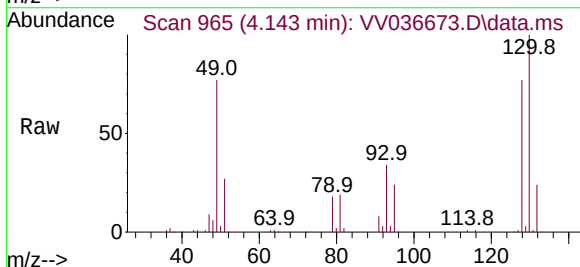
Ion Ratio Lower Upper

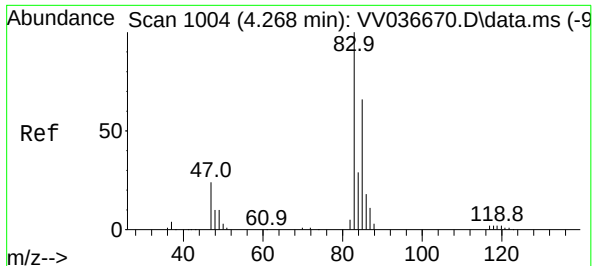
128 100

49 100.3 72.2 134.0

130 130.0 90.2 167.6

51 34.7 26.0 39.0





#25

Chloroform

Concen: 46.575 ug/L

RT: 4.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

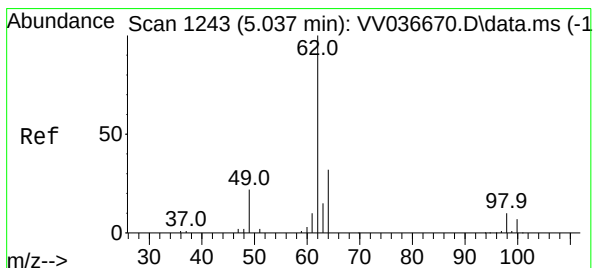
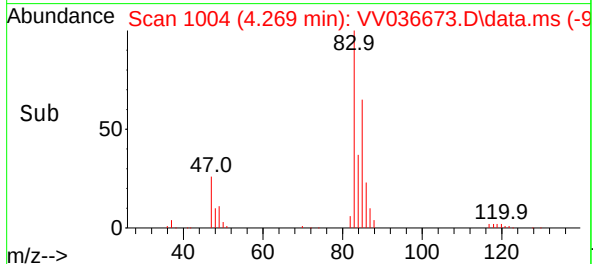
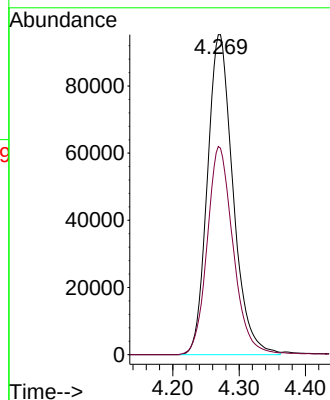
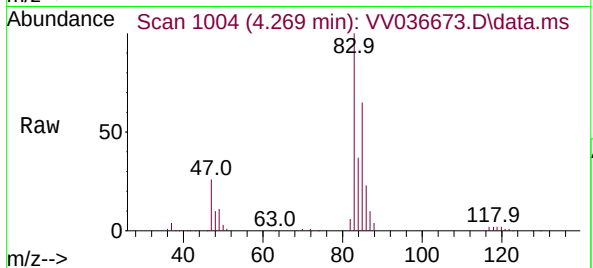
ClientSampleId :

Tgt Ion: 83 Resp: 255812

Ion Ratio Lower Upper

83 100

85 65.0 46.0 85.4



#27

1,2-Dichloroethane

Concen: 47.700 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV036673.D

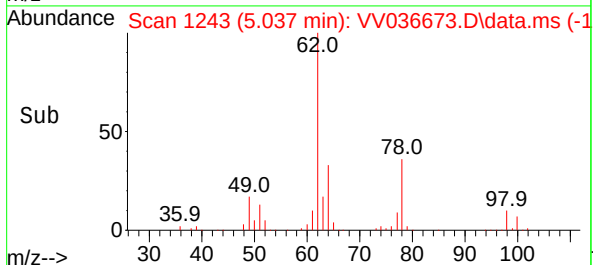
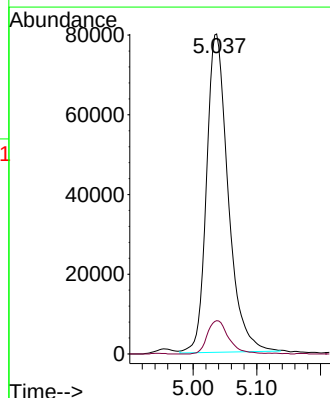
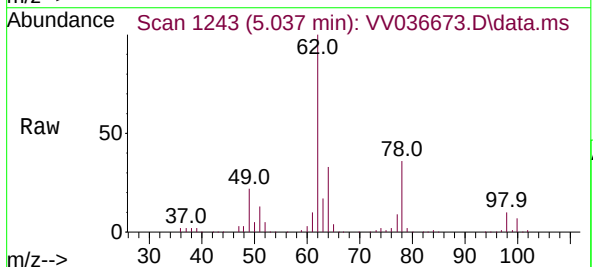
Acq: 24 Jul 2024 19:24

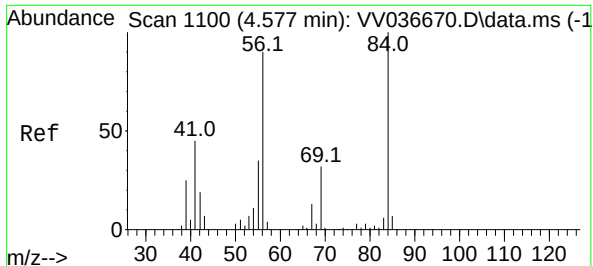
Tgt Ion: 62 Resp: 188585

Ion Ratio Lower Upper

62 100

98 10.4 8.3 12.5





#29

Cyclohexane

Concen: 50.727 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

ClientSampleId :

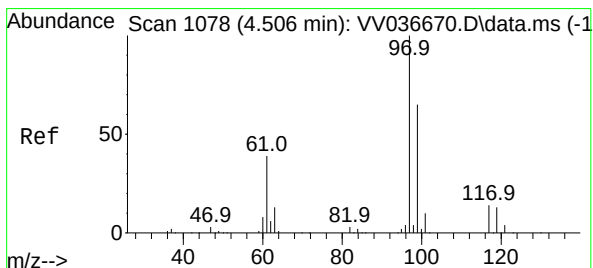
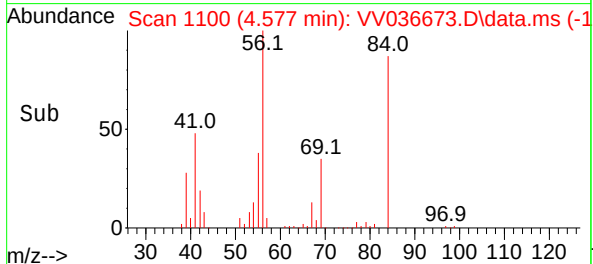
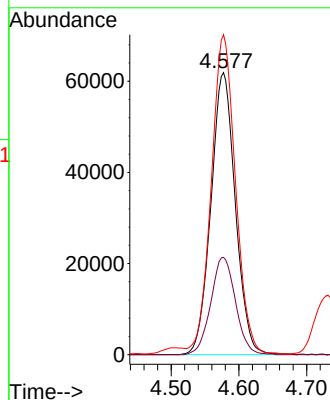
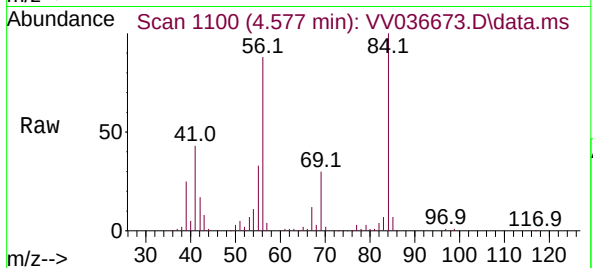
Tgt Ion: 56 Resp: 154623

Ion Ratio Lower Upper

56 100

69 35.0 28.8 43.2

84 112.1 90.5 135.7



#30

1,1,1-Trichloroethane

Concen: 47.619 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

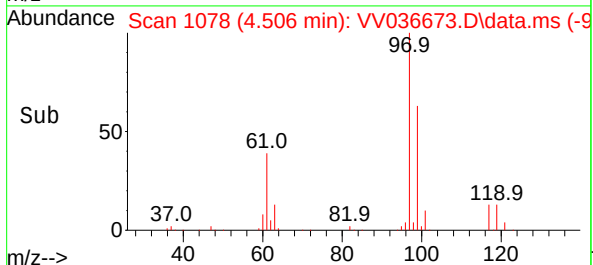
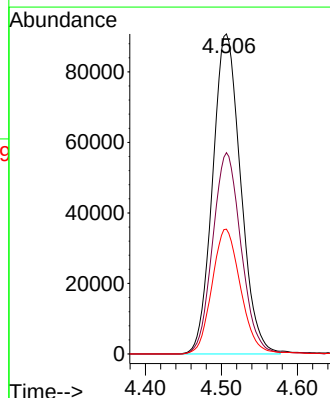
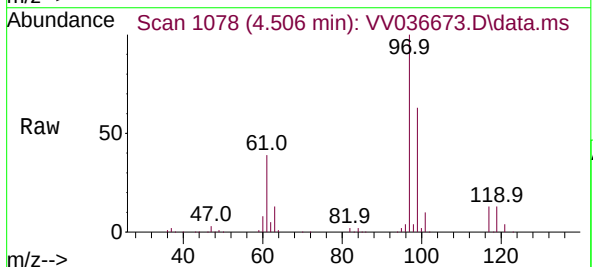
Tgt Ion: 97 Resp: 232765

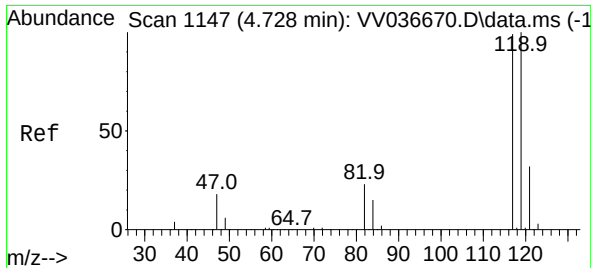
Ion Ratio Lower Upper

97 100

99 63.6 52.1 78.1

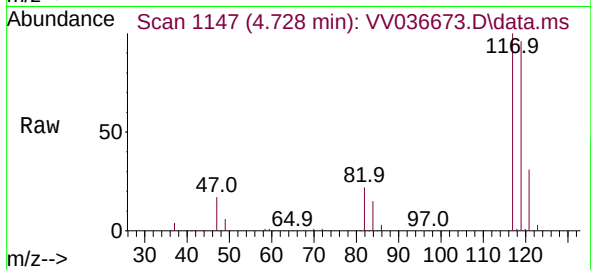
61 39.6 31.6 47.4



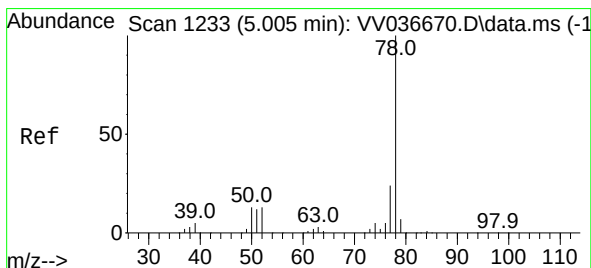
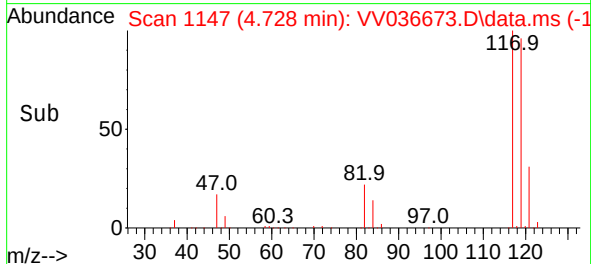
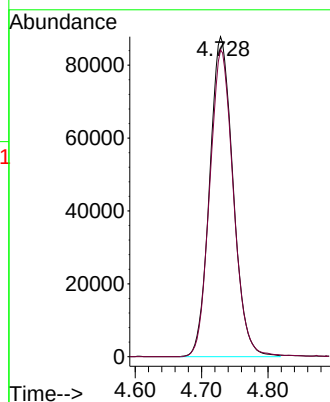


#31
Carbon tetrachloride
Concen: 47.095 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

Instrument :
MSVOA_V
ClientSampleId :

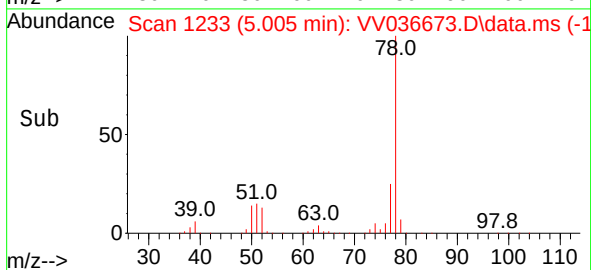
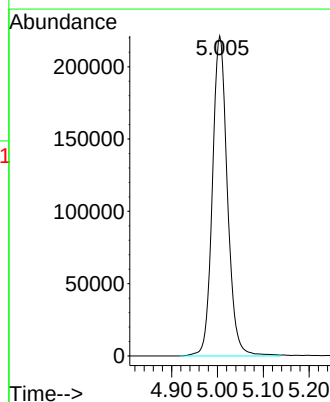
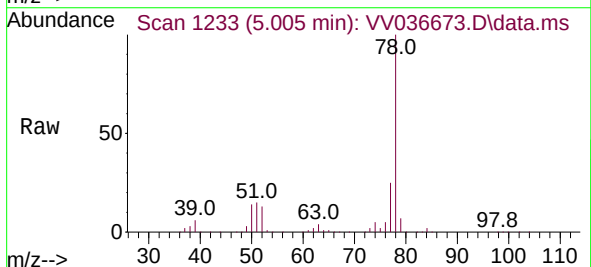


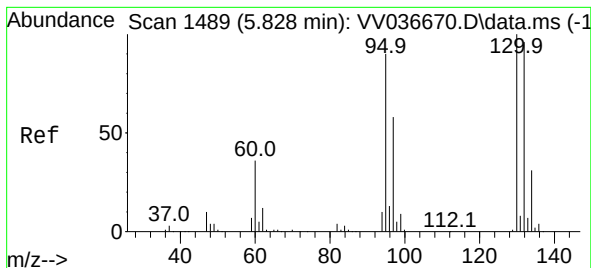
Tgt Ion:117 Resp: 215792
Ion Ratio Lower Upper
117 100
119 96.6 77.9 116.9



#33
Benzene
Concen: 49.717 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

Tgt Ion: 78 Resp: 503751





#34

Trichloroethene

Concen: 46.864 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 163709

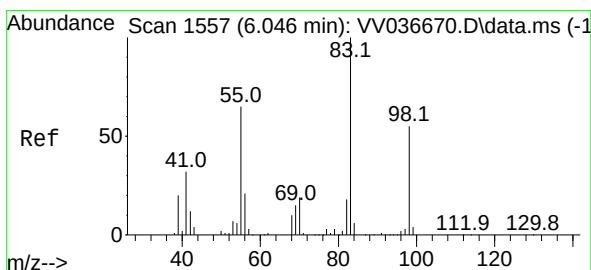
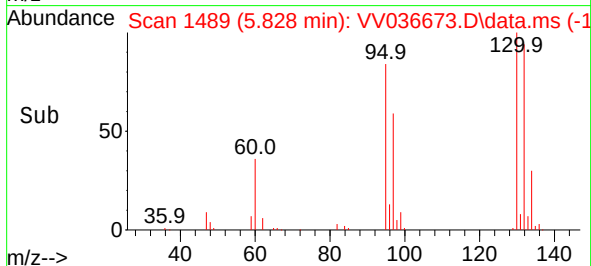
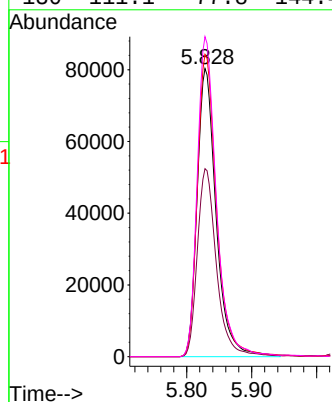
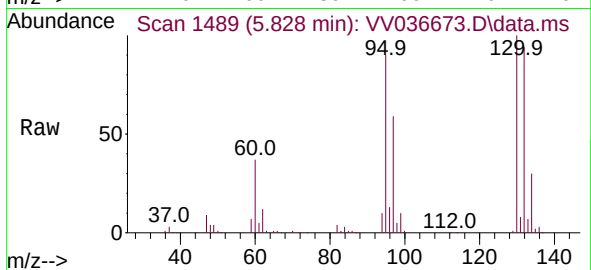
Ion Ratio Lower Upper

95 100

97 65.2 44.7 83.1

132 104.9 74.3 138.1

130 111.1 77.8 144.4



#35

Methylcyclohexane

Concen: 50.645 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

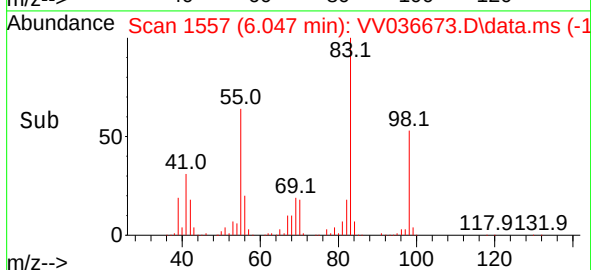
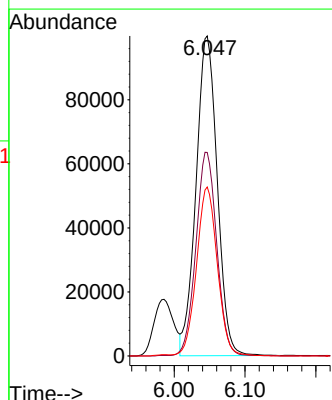
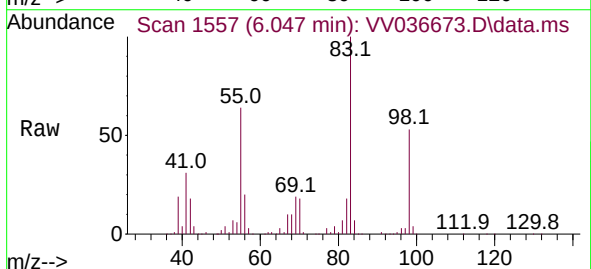
Tgt Ion: 83 Resp: 207626

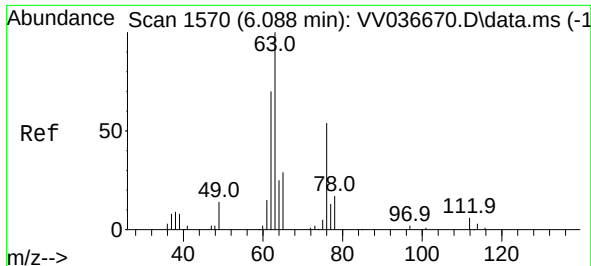
Ion Ratio Lower Upper

83 100

55 62.7 49.9 74.9

98 51.7 41.6 62.4

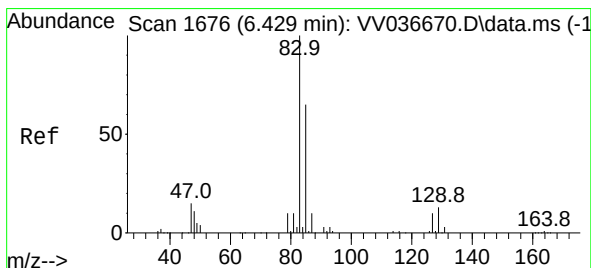
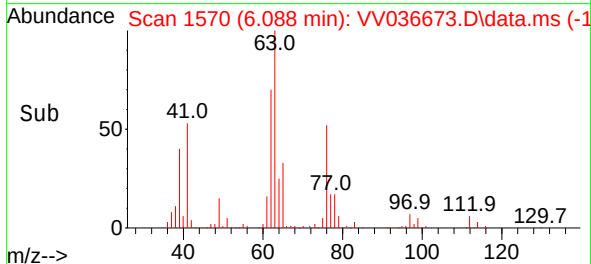
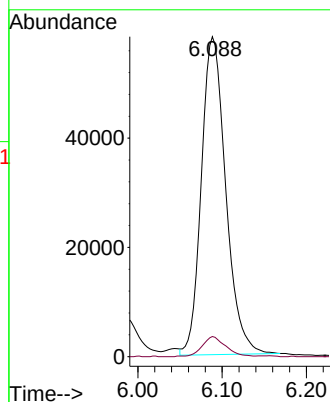
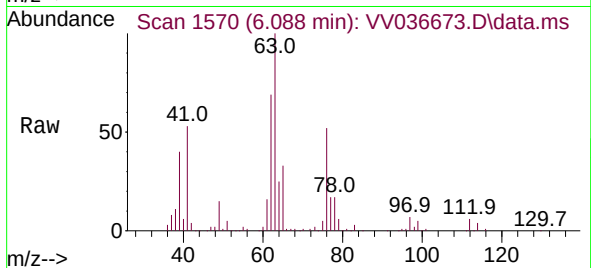




#37
1,2-Dichloropropane
Concen: 47.992 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

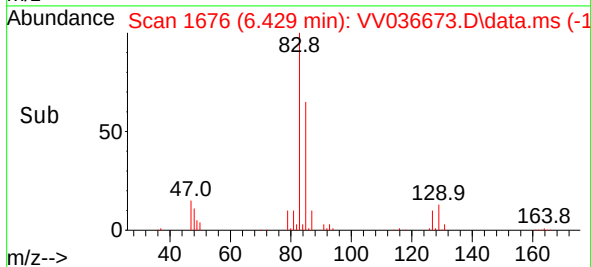
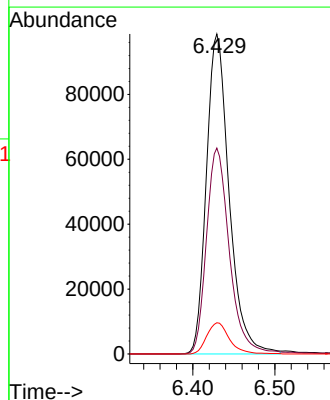
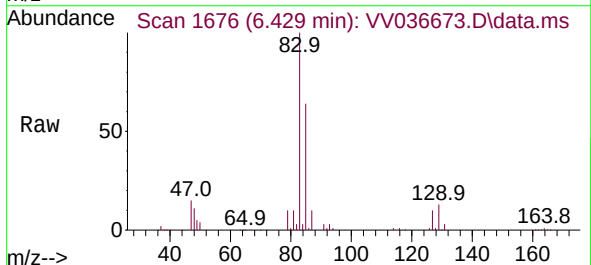
Instrument :
MSVOA_V
ClientSampleId :

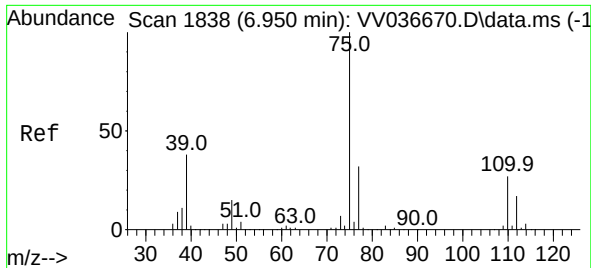
Tgt Ion: 63 Resp: 117390
Ion Ratio Lower Upper
63 100
112 6.1 5.1 7.7



#38
Bromodichloromethane
Concen: 47.130 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

Tgt Ion: 83 Resp: 190255
Ion Ratio Lower Upper
83 100
85 64.4 45.6 84.6
127 9.7 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 46.546 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

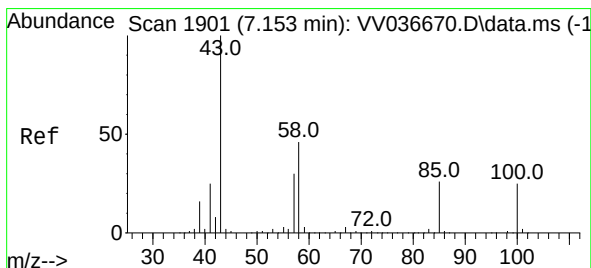
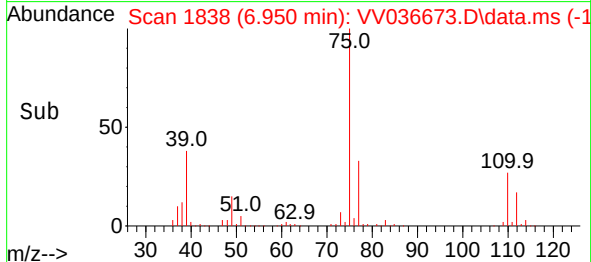
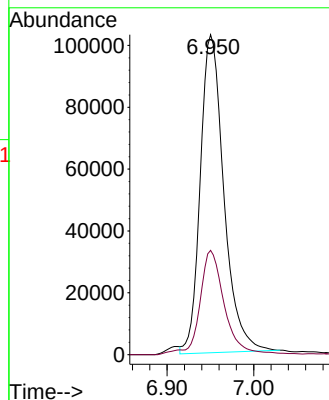
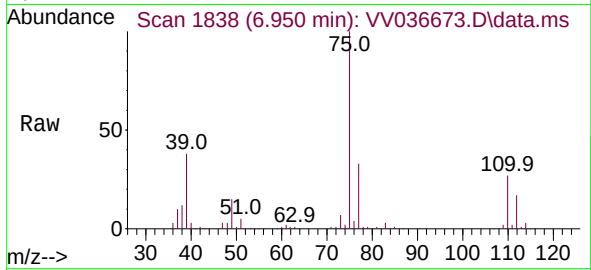
ClientSampleId :

Tgt Ion: 75 Resp: 194280

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 103.853 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

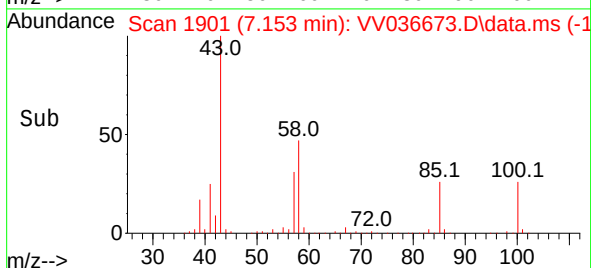
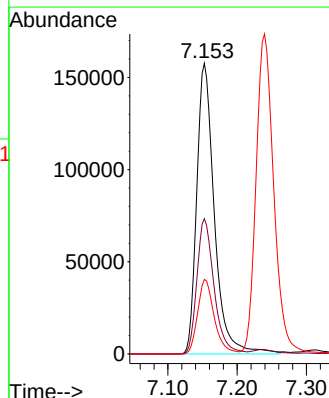
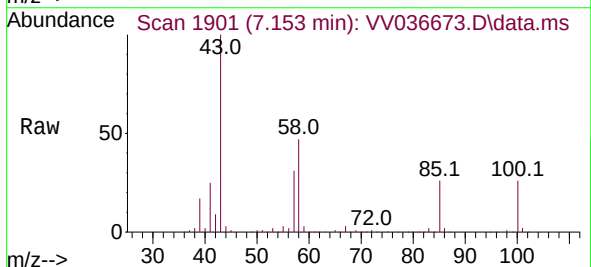
Tgt Ion: 43 Resp: 279692

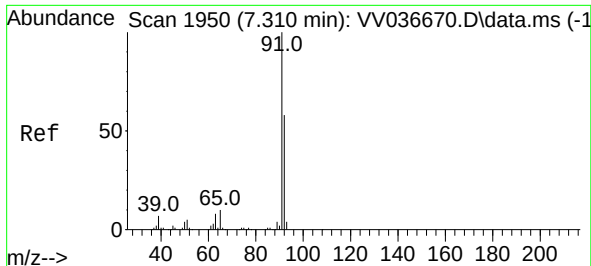
Ion Ratio Lower Upper

43 100

58 45.1 36.6 54.8

100 24.1 19.6 29.4





#42

Toluene

Concen: 50.981 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

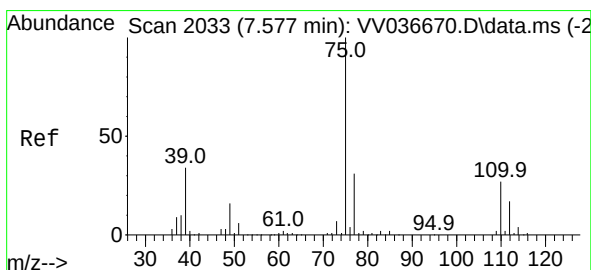
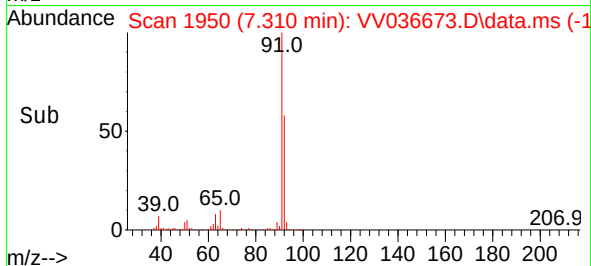
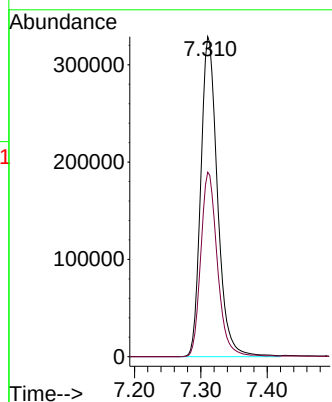
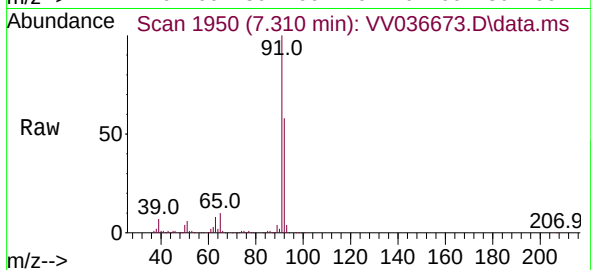
ClientSampleId :

Tgt Ion: 91 Resp: 575727

Ion Ratio Lower Upper

91 100

92 57.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 49.507 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV036673.D

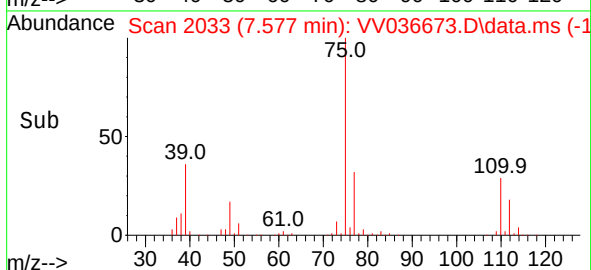
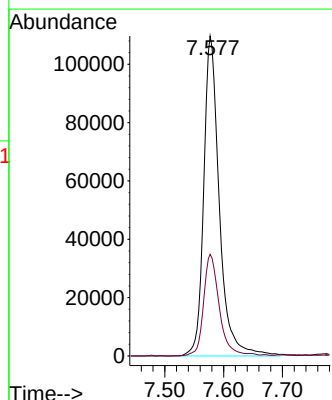
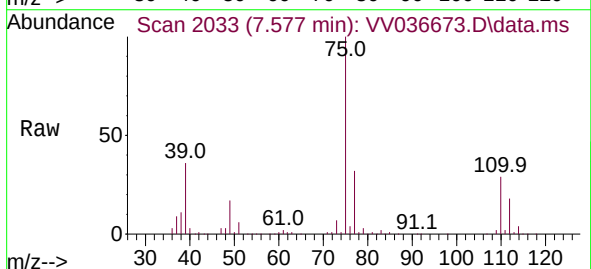
Acq: 24 Jul 2024 19:24

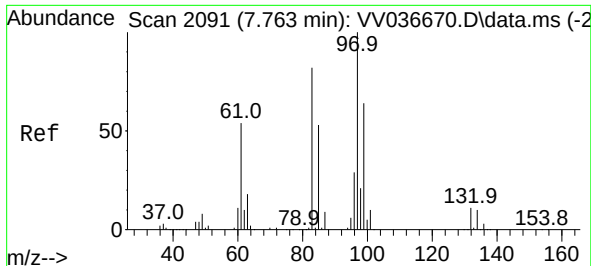
Tgt Ion: 75 Resp: 202451

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 48.069 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 148847

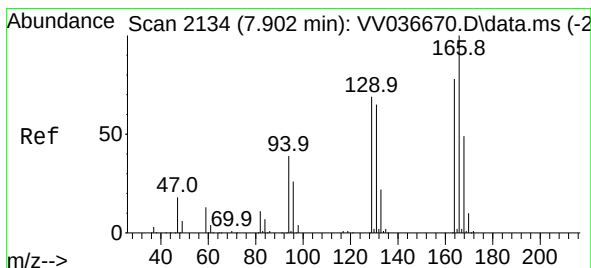
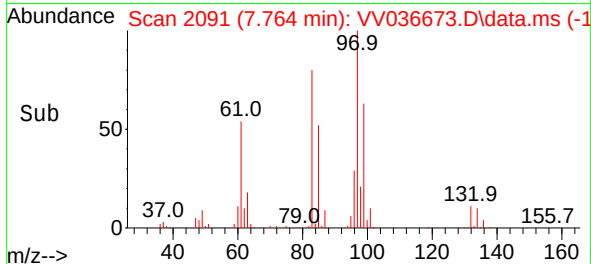
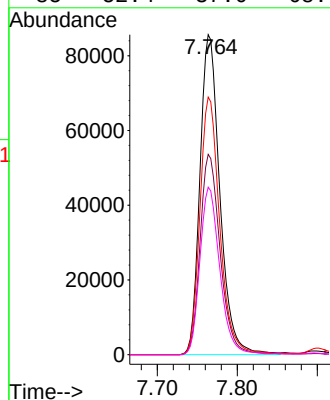
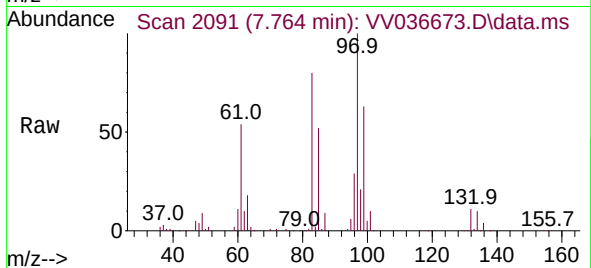
Ion Ratio Lower Upper

97 100

99 62.6 44.4 82.5

83 80.5 57.3 106.3

85 52.4 37.0 68.6



#46

Tetrachloroethene

Concen: 46.063 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Tgt Ion:164 Resp: 137987

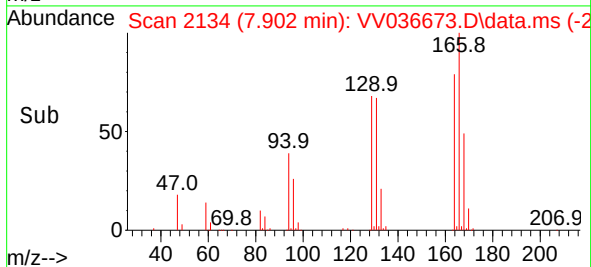
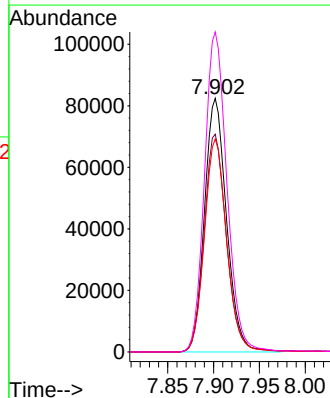
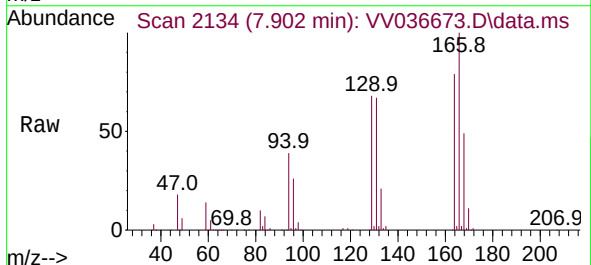
Ion Ratio Lower Upper

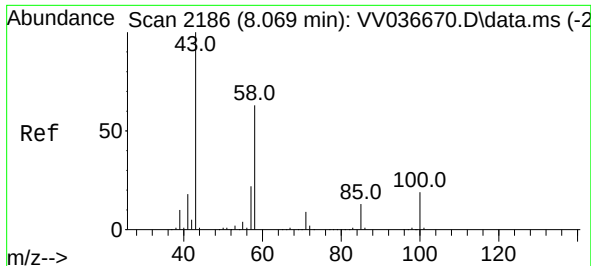
164 100

129 85.9 62.1 115.3

131 84.0 58.7 109.1

166 126.2 90.0 167.2

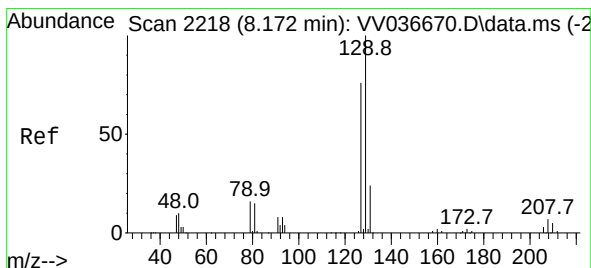
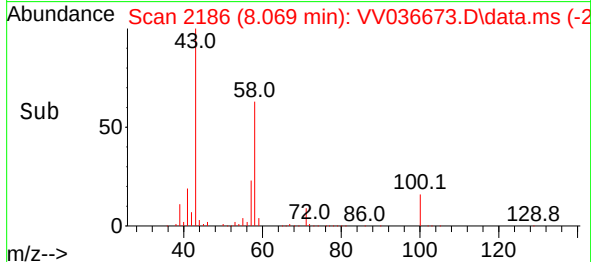
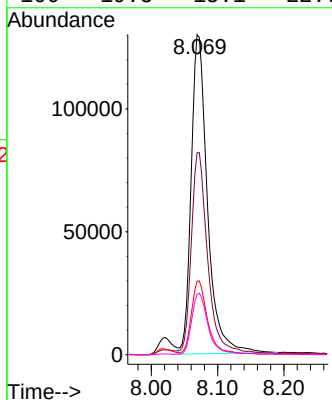
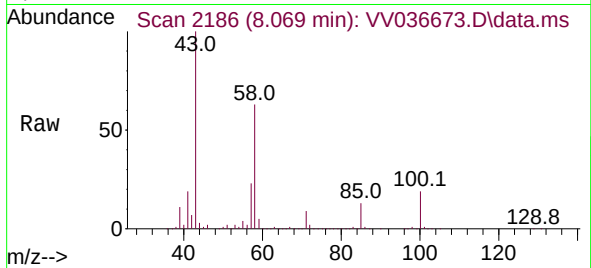




#48
2-Hexanone
Concen: 102.316 ug/L
RT: 8.069 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

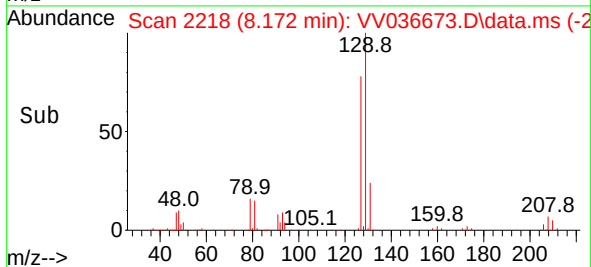
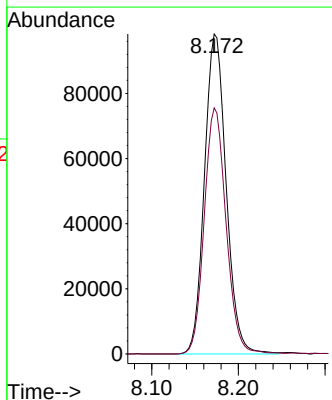
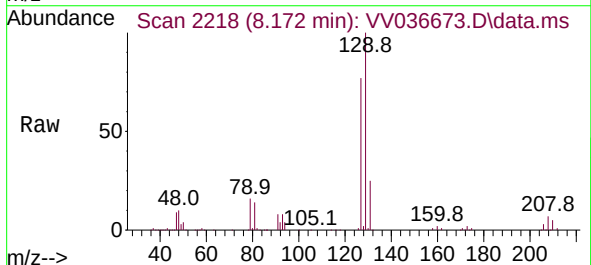
Instrument :
MSVOA_V
ClientSampleId :

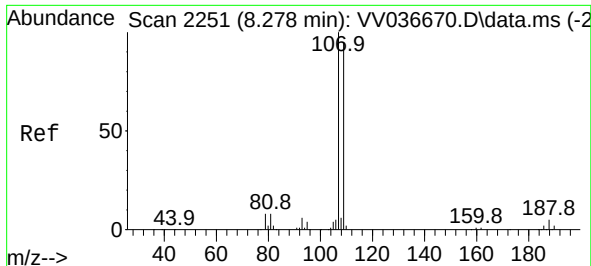
Tgt Ion: 43 Resp: 222328
Ion Ratio Lower Upper
43 100
58 61.3 51.3 76.9
57 22.3 17.6 26.4
100 19.3 15.1 22.7



#49
Dibromochloromethane
Concen: 47.680 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

Tgt Ion: 129 Resp: 171054
Ion Ratio Lower Upper
129 100
127 76.9 52.8 98.2

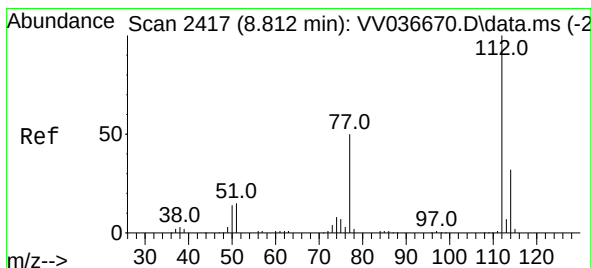
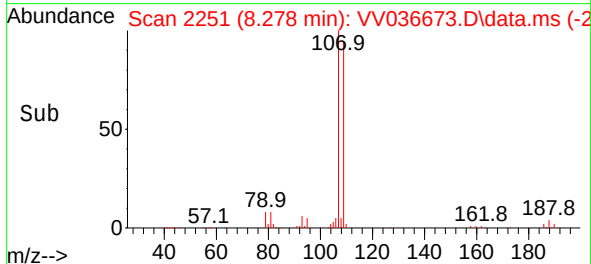
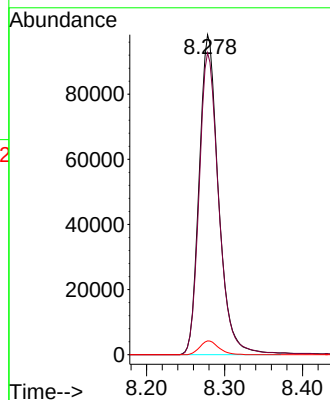
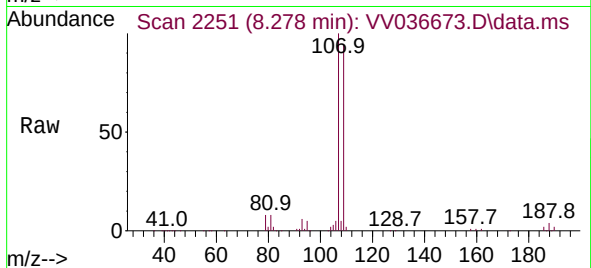




#50
1,2-Dibromoethane
Concen: 48.276 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

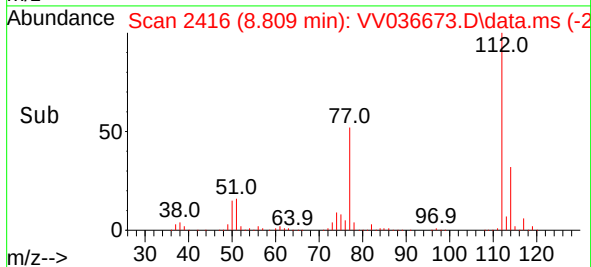
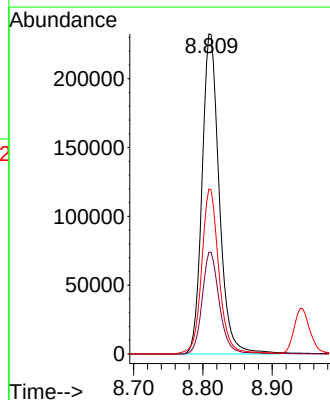
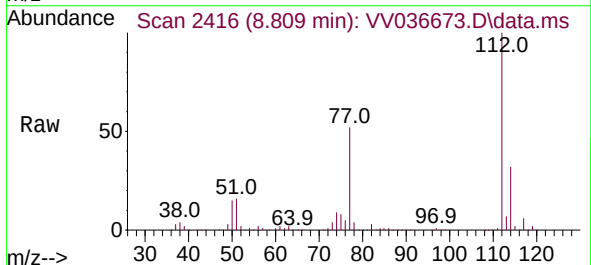
Instrument :
MSVOA_V
ClientSampleId :

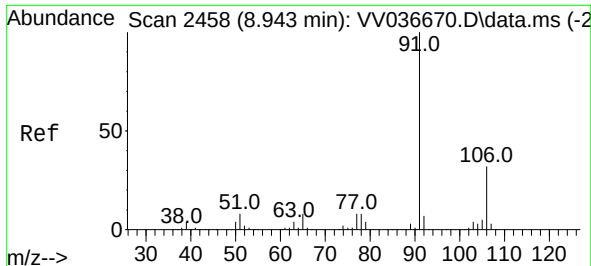
Tgt Ion:107 Resp: 169461
Ion Ratio Lower Upper
107 100
109 94.3 66.4 123.2
188 4.4 3.7 5.5



#51
Chlorobenzene
Concen: 48.018 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. -0.003 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

Tgt Ion:112 Resp: 400033
Ion Ratio Lower Upper
112 100
114 31.8 22.4 41.6
77 51.6 40.6 60.8

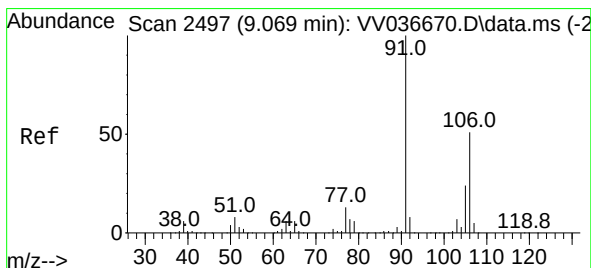
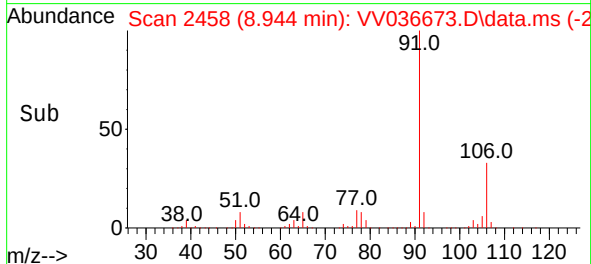
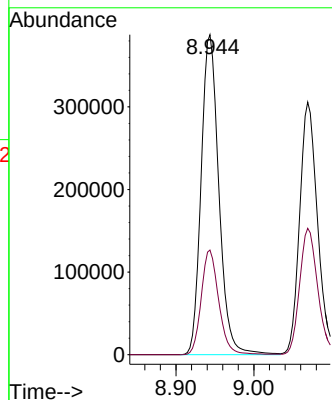
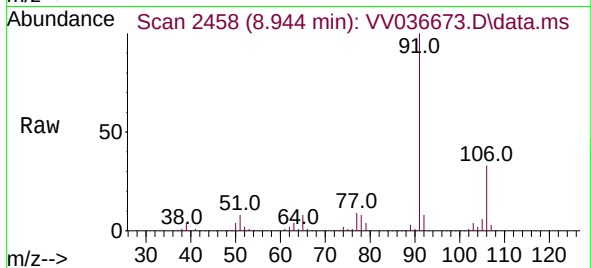




#52
Ethylbenzene
Concen: 49.985 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

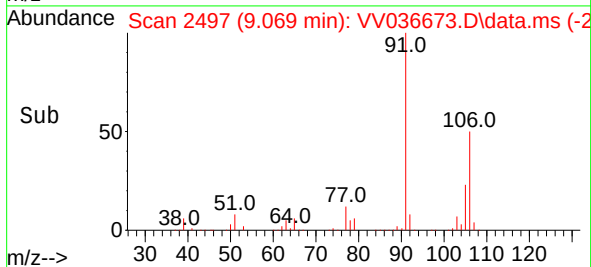
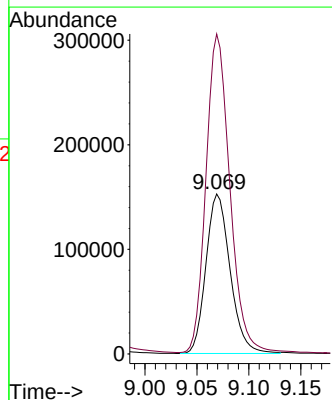
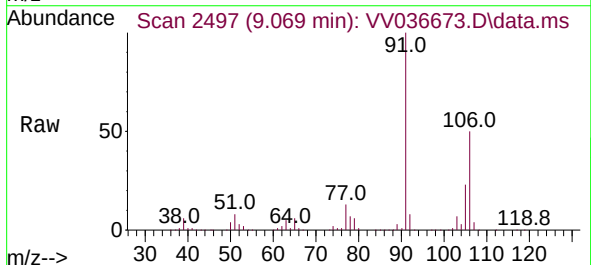
Instrument :
MSVOA_V
ClientSampleId :

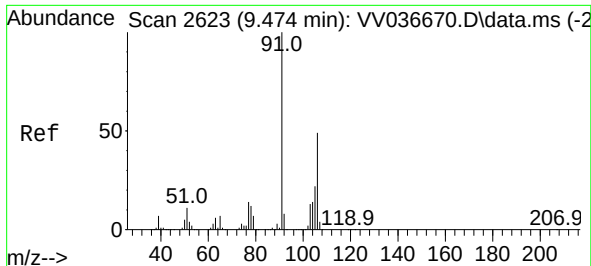
Tgt Ion: 91 Resp: 612849
Ion Ratio Lower Upper
91 100
106 32.7 22.6 42.0



#53
m,p-Xylene
Concen: 51.655 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

Tgt Ion: 106 Resp: 246517
Ion Ratio Lower Upper
106 100
91 200.0 138.0 256.4

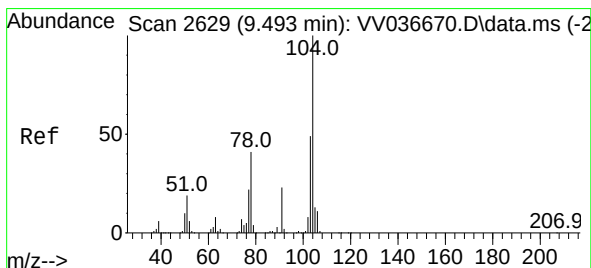
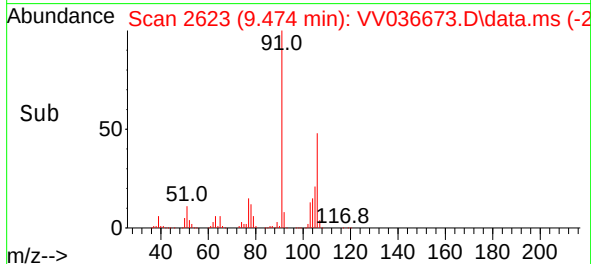
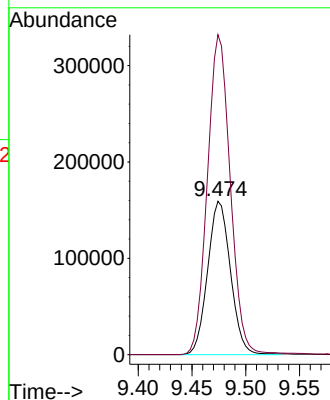
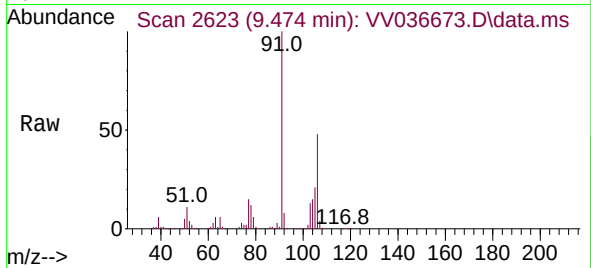




#54
o-Xylene
Concen: 51.413 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

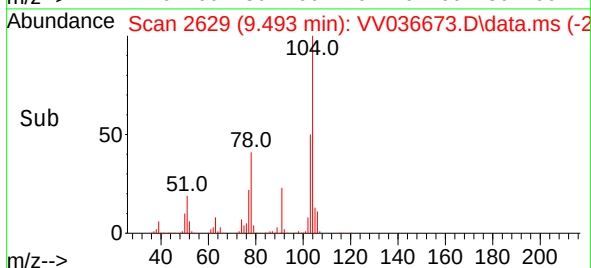
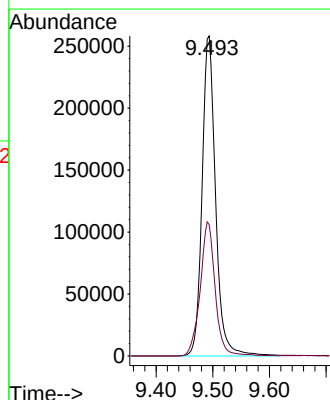
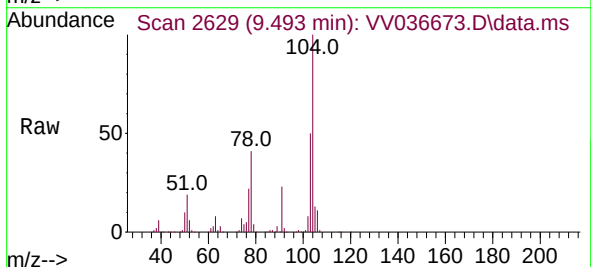
Instrument :
MSVOA_V
ClientSampleId :

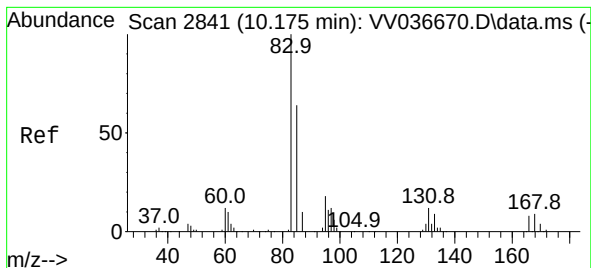
Tgt Ion:106 Resp: 235714
Ion Ratio Lower Upper
106 100
91 208.6 144.0 267.4



#55
Styrene
Concen: 53.510 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

Tgt Ion:104 Resp: 427353
Ion Ratio Lower Upper
104 100
78 41.1 28.6 53.2





#57

1,1,2,2-Tetrachloroethane

Concen: 47.562 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

ClientSampleId :

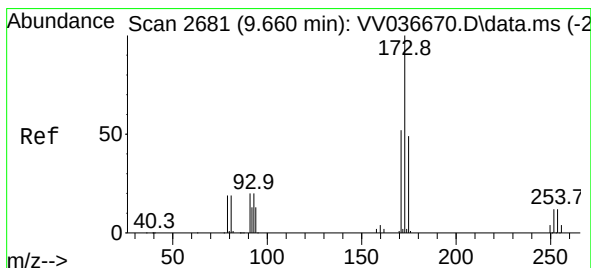
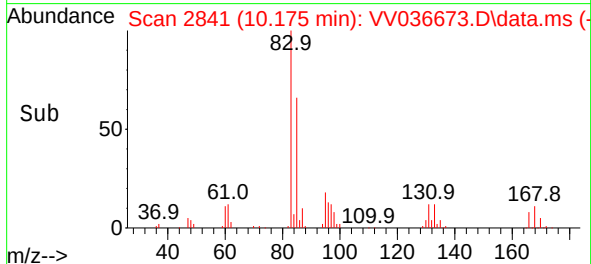
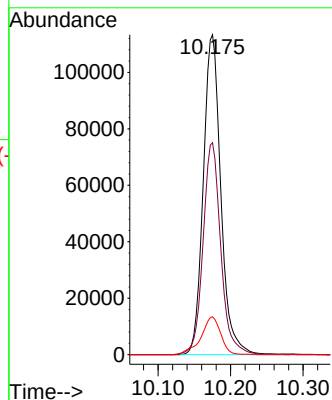
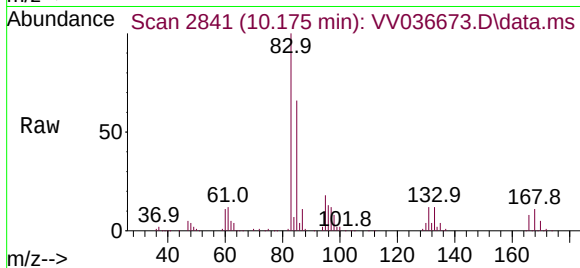
Tgt Ion: 83 Resp: 190978

Ion Ratio Lower Upper

83 100

85 66.3 44.7 83.1

131 11.8 9.4 14.2



#59

Bromoform

Concen: 48.328 ug/L

RT: 9.661 min Scan# 2681

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

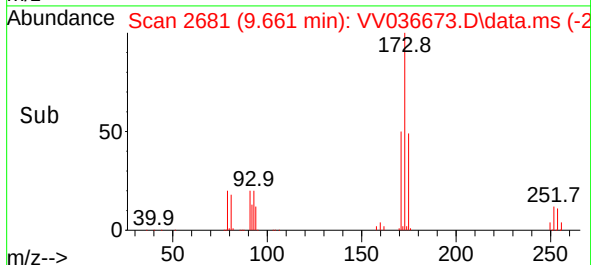
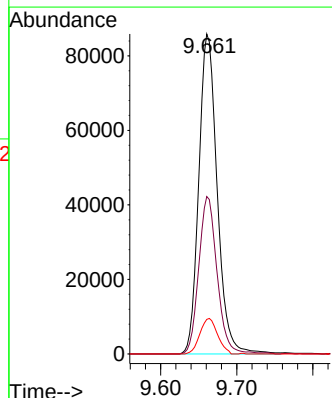
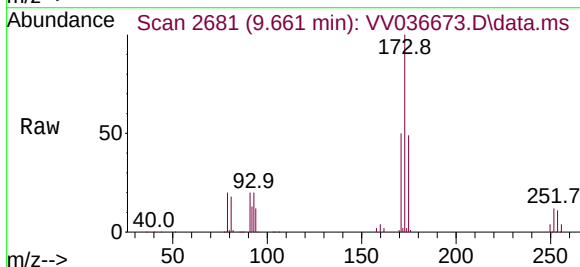
Tgt Ion: 173 Resp: 144511

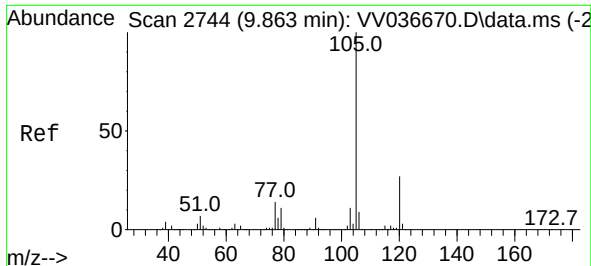
Ion Ratio Lower Upper

173 100

175 48.5 39.2 58.8

254 10.7 9.2 13.8





#60

Isopropylbenzene

Concen: 52.462 ug/L

RT: 9.863 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

ClientSampleId :

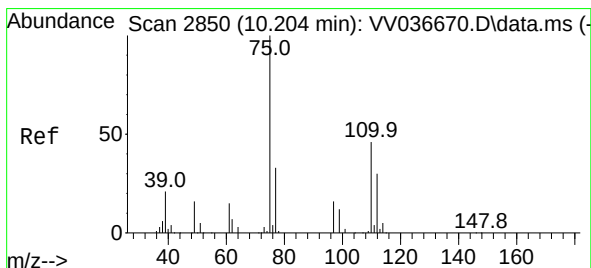
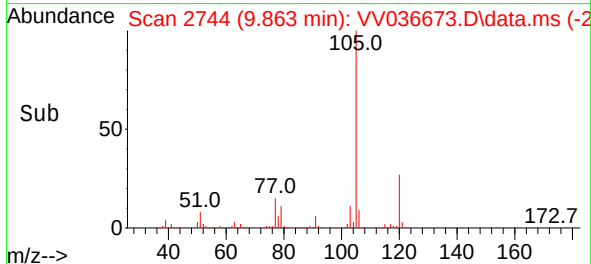
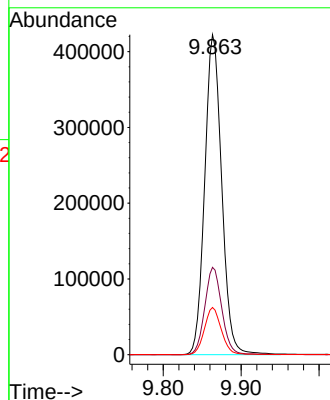
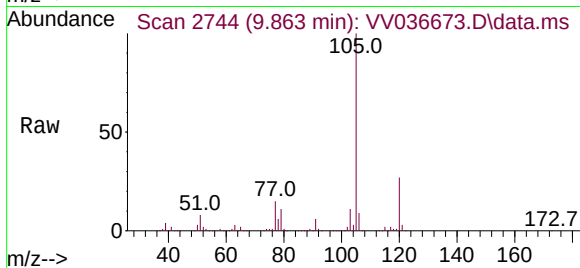
Tgt Ion:105 Resp: 639961

Ion Ratio Lower Upper

105 100

120 27.4 21.7 32.5

77 14.7 11.5 17.3



#61

1,2,3-Trichloropropane

Concen: 48.282 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

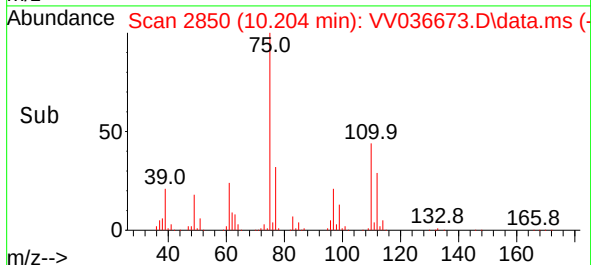
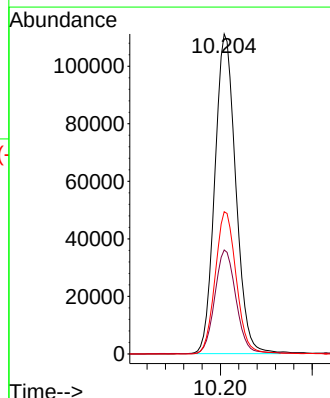
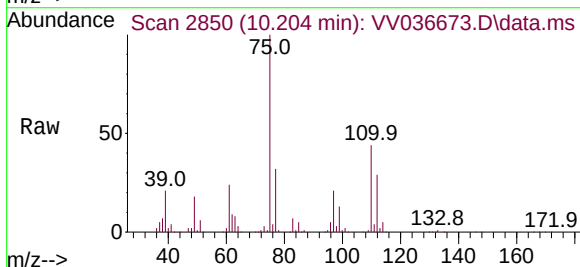
Tgt Ion: 75 Resp: 176049

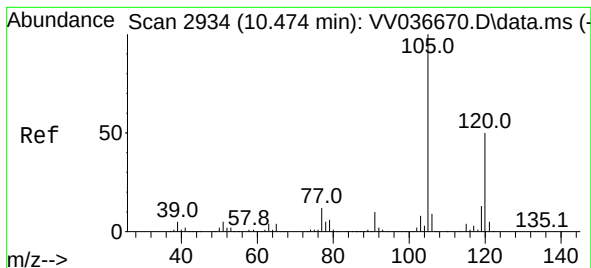
Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1

110 44.9 36.7 55.1





#62

1,3,5-Trimethylbenzene

Concen: 53.357 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

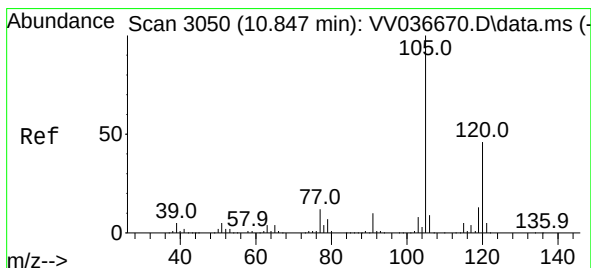
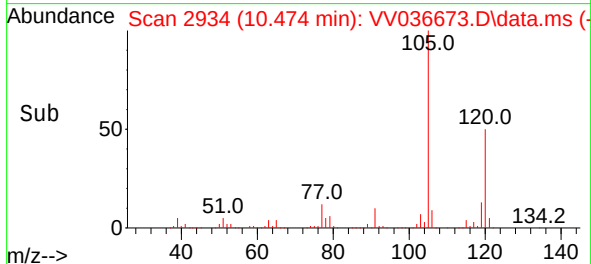
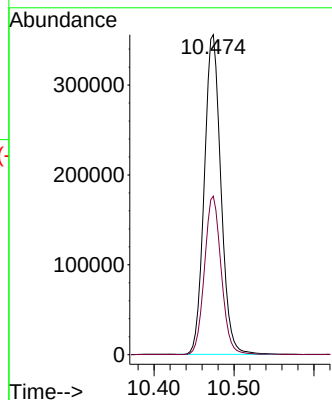
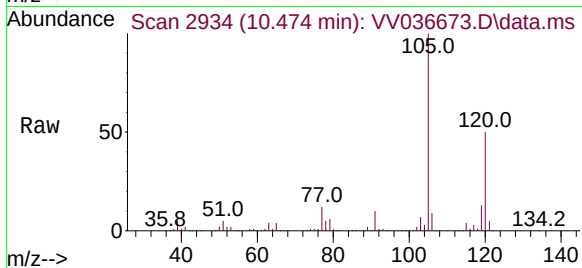
ClientSampleId :

Tgt Ion:105 Resp: 516024

Ion Ratio Lower Upper

105 100

120 50.0 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 53.645 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VV036673.D

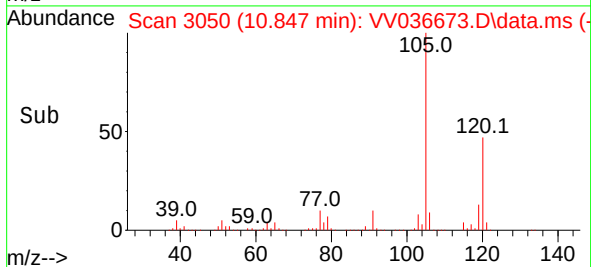
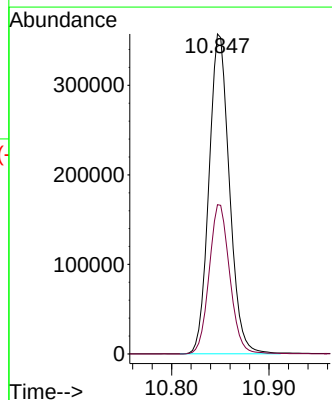
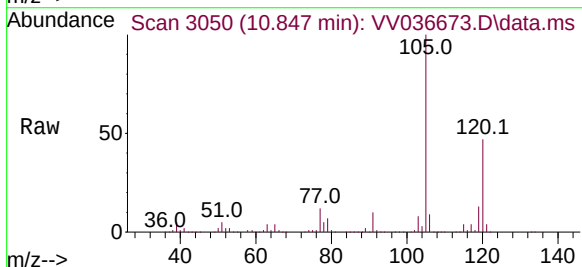
Acq: 24 Jul 2024 19:24

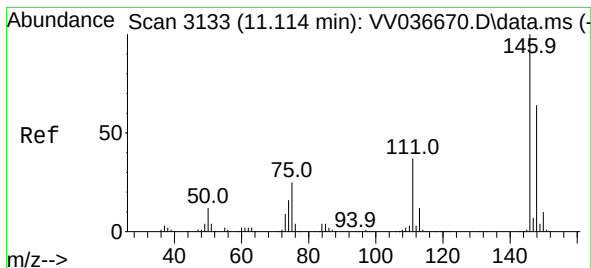
Tgt Ion:105 Resp: 520900

Ion Ratio Lower Upper

105 100

120 47.1 37.4 56.0





#64

1,3-Dichlorobenzene

Concen: 48.861 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

ClientSampleId :

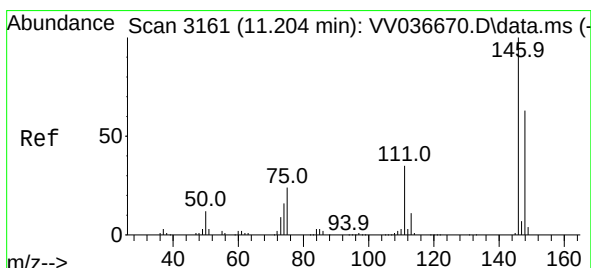
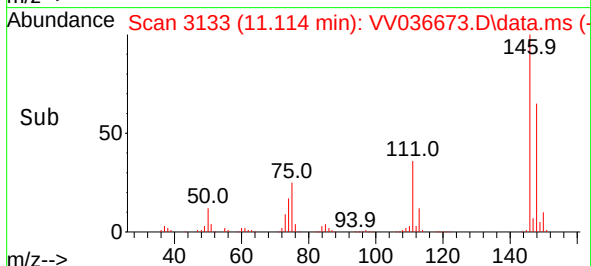
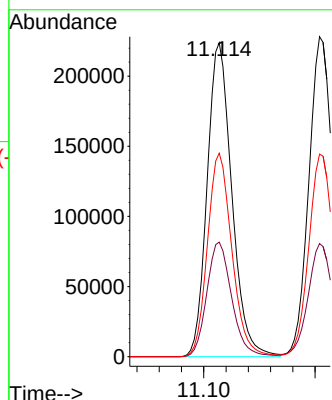
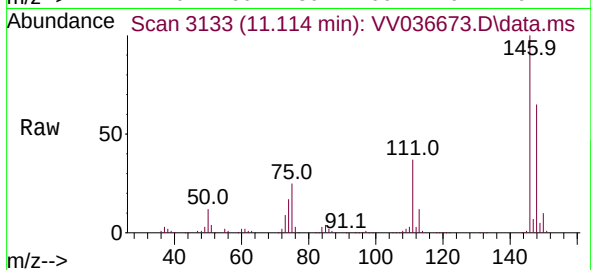
Tgt Ion:146 Resp: 344612

Ion Ratio Lower Upper

146 100

111 36.5 25.7 47.7

148 64.9 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 48.138 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

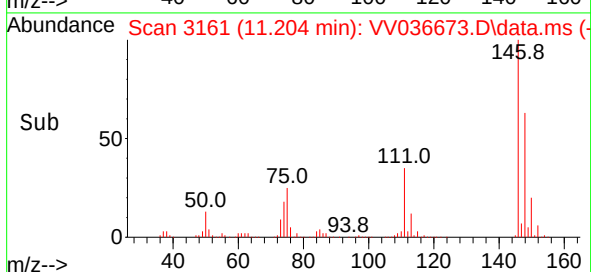
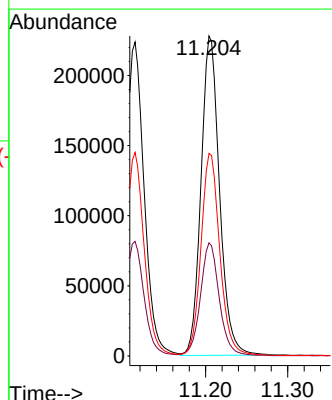
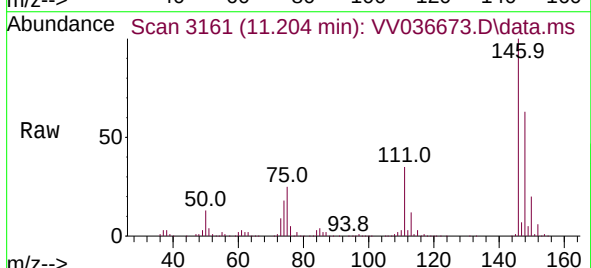
Tgt Ion:146 Resp: 357712

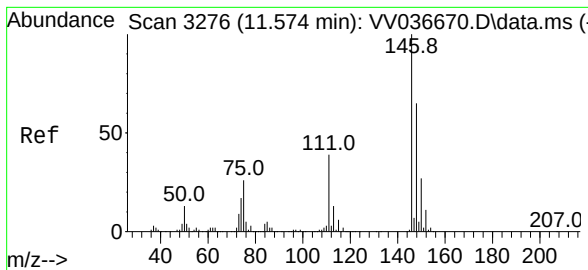
Ion Ratio Lower Upper

146 100

111 35.3 24.6 45.8

148 63.3 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 48.680 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.000 min

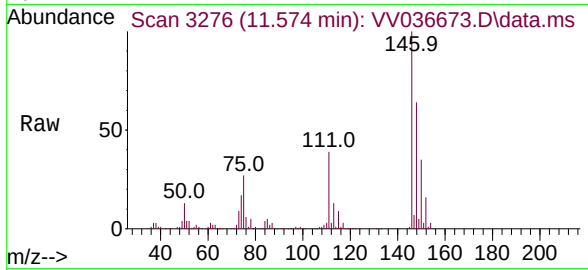
Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

ClientSampleId :



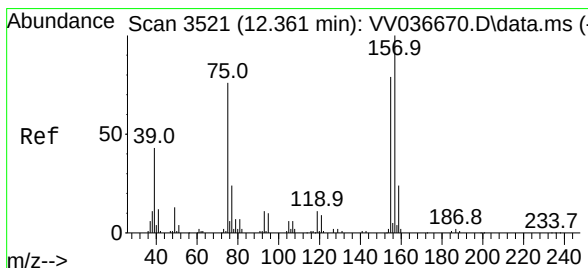
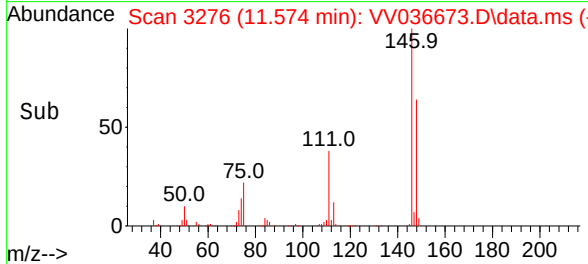
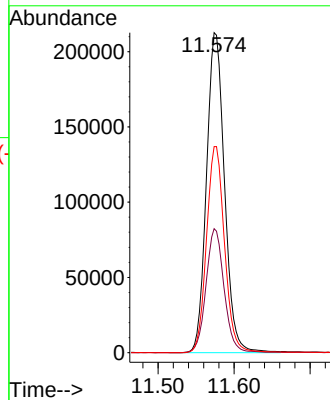
Tgt Ion:146 Resp: 350339

Ion Ratio Lower Upper

146 100

111 38.7 30.9 46.3

148 64.4 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 48.349 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

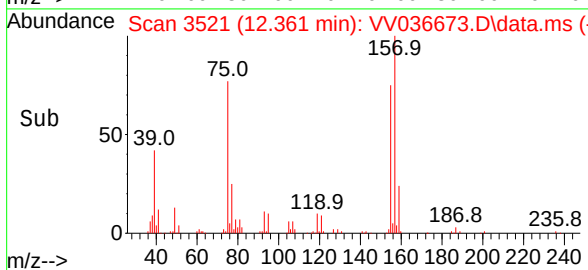
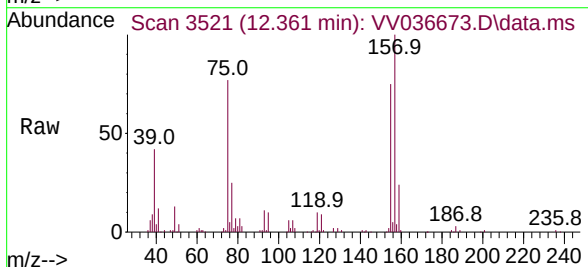
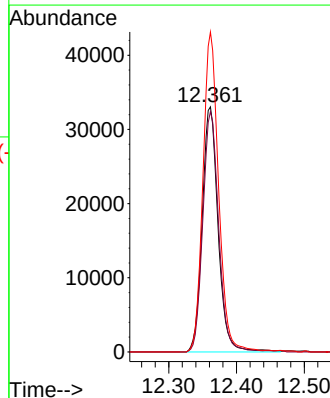
Tgt Ion: 75 Resp: 53899

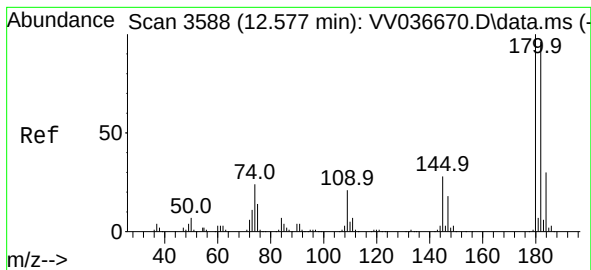
Ion Ratio Lower Upper

75 100

155 98.1 83.7 125.5

157 130.5 105.9 158.9





#69

1,3,5-Trichlorobenzene

Concen: 48.462 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

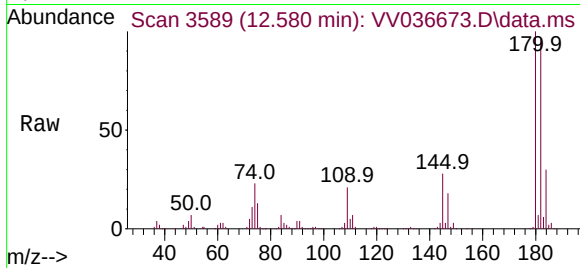
Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 259459

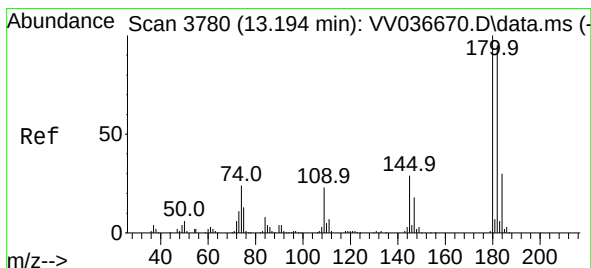
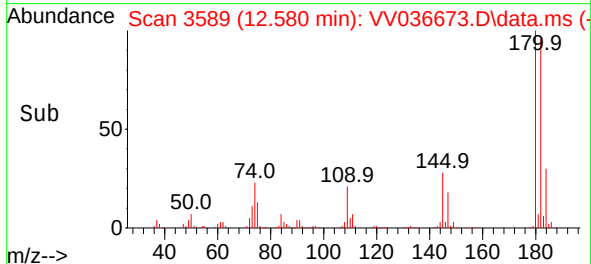
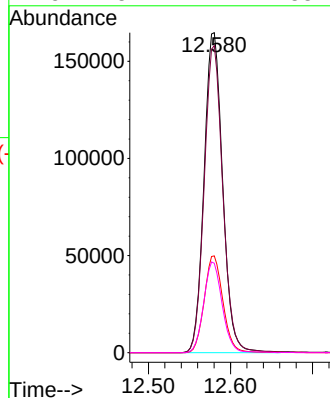
Ion Ratio Lower Upper

180 100

182 95.8 77.3 115.9

184 30.4 24.2 36.4

145 28.2 22.2 33.2



#70

1,2,4-trichlorobenzene

Concen: 49.613 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036673.D

Acq: 24 Jul 2024 19:24

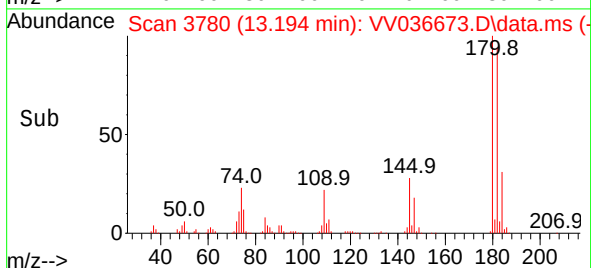
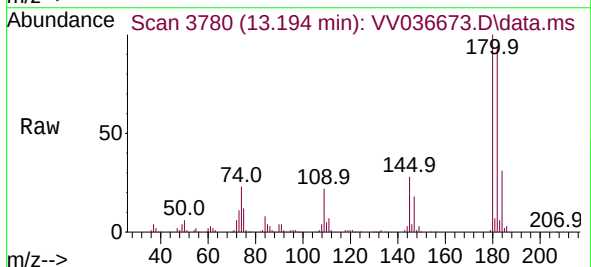
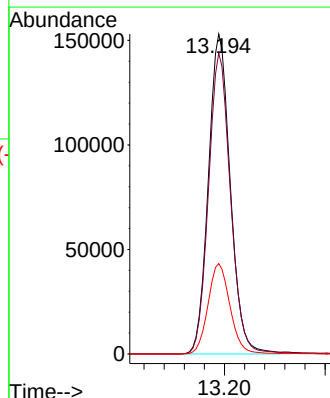
Tgt Ion:180 Resp: 231574

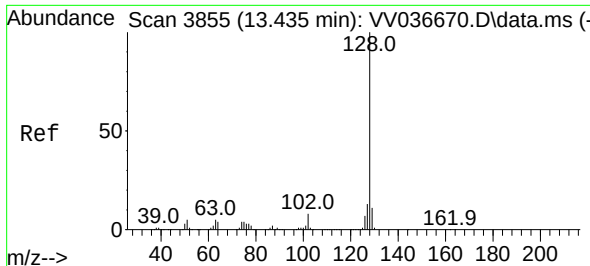
Ion Ratio Lower Upper

180 100

182 94.5 75.8 113.8

145 28.3 22.9 34.3

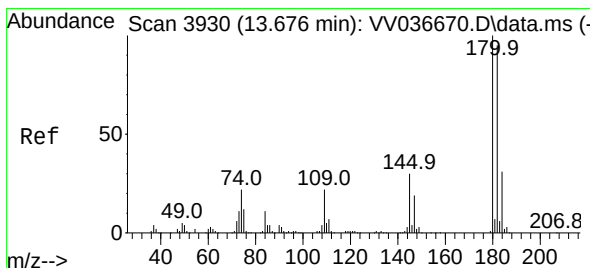
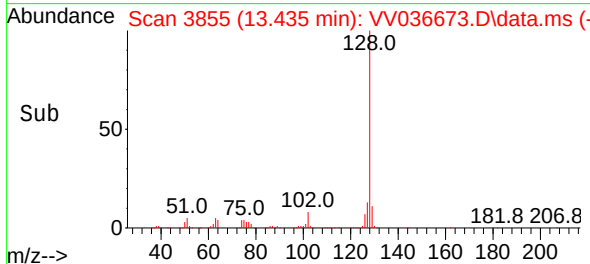
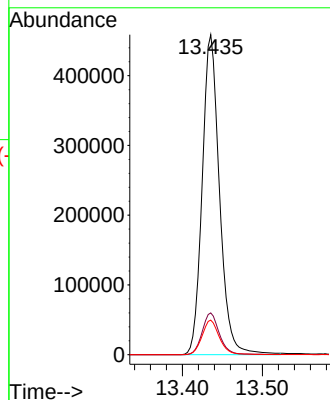
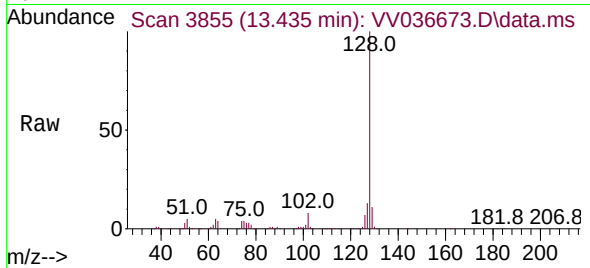




#71
Naphthalene
Concen: 55.307 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 691926
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 51.468 ug/L
RT: 13.677 min Scan# 3930
Delta R.T. 0.000 min
Lab File: VV036673.D
Acq: 24 Jul 2024 19:24

Tgt Ion:180 Resp: 256293
Ion Ratio Lower Upper
180 100
182 95.1 76.4 114.6
145 30.3 23.9 35.9

