

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070324\
 Data File : VW036452.D
 Acq On : 03 Jul 2024 18:21
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 04 02:13:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 04 02:05:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	301320	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	309617	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	173265	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	119329	23.319	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.280%
7) Chloroethane-d5	1.526	69	101098	24.734	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.920%
11) 1,1-Dichloroethene-d2	2.050	65	56419	23.453	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.800%
21) 2-Butanone-d5	4.108	46	169	0.142	ug/L	0.26
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.280%#
24) Chloroform-d	4.243	84	239344	26.910	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.640%
26) 1,2-Dichloroethane-d4	4.937	65	124421	26.231	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.920%
32) Benzene-d6	4.953	84	436906	24.998	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.000%
36) 1,2-Dichloropropane-d6	5.985	67	132884	25.277	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.120%
41) Toluene-d8	7.239	98	404656	25.678	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.720%
43) trans-1,3-Dichloroprop...	7.551	79	54990	23.423	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.680%
47) 2-Hexanone-d5	8.030	63	40702	48.502	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.000%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	113262	26.283	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.120%
66) 1,2-Dichlorobenzene-d4	11.557	152	150688	23.866	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	155679	27.193	ug/L	100
3) Chloromethane	1.211	50	137473	26.528	ug/L	99
5) Vinyl chloride	1.278	62	161313	26.957	ug/L	100
6) Bromomethane	1.481	94	115918	28.801	ug/L	99
8) Chloroethane	1.545	64	102577	27.813	ug/L	99
9) Trichlorofluoromethane	1.706	101	239207	27.990	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	152478	28.443	ug/L	98
12) 1,1-Dichloroethene	2.059	96	139269	29.343	ug/L	93
13) Acetone	2.384	43	51407	32.038	ug/L	100
14) Carbon disulfide	2.230	76	405034	27.048	ug/L	99
15) Methyl Acetate	2.384	43	53612	25.965	ug/L	97
16) Methylene chloride	2.439	84	150056	25.296	ug/L	96
17) trans-1,2-Dichloroethene	2.686	96	132376	28.091	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	288574	26.306	ug/L	99
19) 1,1-Dichloroethane	3.104	63	238217	28.431	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	131700	27.787	ug/L	96
22) 2-Butanone	3.911	43	60311	44.576	ug/L	90
23) Bromochloromethane	4.143	128	73256	29.641	ug/L	94
25) Chloroform	4.272	83	265312	29.688	ug/L	99

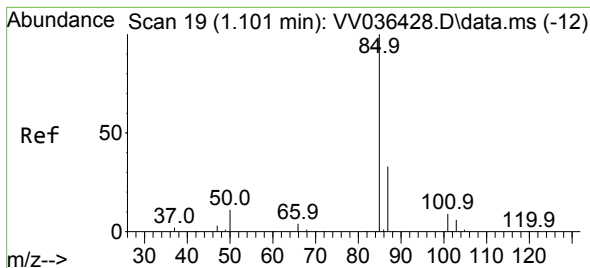
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 Quant Title : VOC Analysis
 QLast Update : Thu Jul 04 02:05:51 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	166098	28.704	ug/L	97
29) Cyclohexane	4.577	56	159458	24.174	ug/L	96
30) 1,1,1-Trichloroethane	4.506	97	221733	28.883	ug/L	99
31) Carbon tetrachloride	4.728	117	198170	28.971	ug/L	99
33) Benzene	5.005	78	527205	28.749	ug/L	100
34) Trichloroethene	5.828	95	158725	27.428	ug/L	96
35) Methylcyclohexane	6.046	83	212395	26.336	ug/L	99
37) 1,2-Dichloropropane	6.088	63	130908	27.951	ug/L	98
38) Bromodichloromethane	6.429	83	183727	28.682	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	185014	25.690	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	135272	51.213	ug/L	99
42) Toluene	7.310	91	570545	29.755	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	174886	26.999	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	117976	28.499	ug/L	97
46) Tetrachloroethene	7.902	164	120277	28.599	ug/L	97
48) 2-Hexanone	8.079	43	97337	46.850	ug/L #	96
49) Dibromochloromethane	8.175	129	135049	29.265	ug/L	100
50) 1,2-Dibromoethane	8.281	107	115572	28.339	ug/L	97
51) Chlorobenzene	8.812	112	371826	28.368	ug/L	97
52) Ethylbenzene	8.943	91	589293	28.478	ug/L	99
53) m,p-Xylene	9.069	106	229446	29.751	ug/L	100
54) o-Xylene	9.477	106	212063	29.240	ug/L	95
55) Styrene	9.493	104	400773	31.531	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	103573	27.955	ug/L	97
59) Bromoform	9.664	173	91896	28.019	ug/L	98
60) Isopropylbenzene	9.866	105	583522	27.860	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	103553	26.483	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	403681	26.932	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	448989	27.565	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	296989	27.212	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	309667	26.470	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	279791	26.854	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	23176	26.419	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	207606	25.263	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	161639	24.665	ug/L	99
71) Naphthalene	13.435	128	279355	23.908	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	164155	26.638	ug/L	99

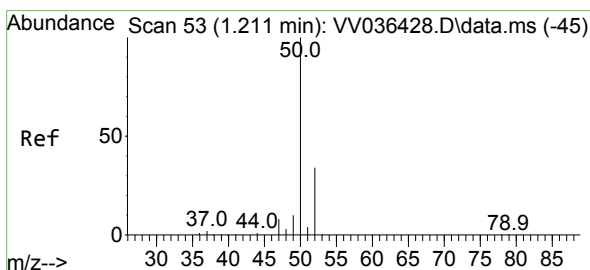
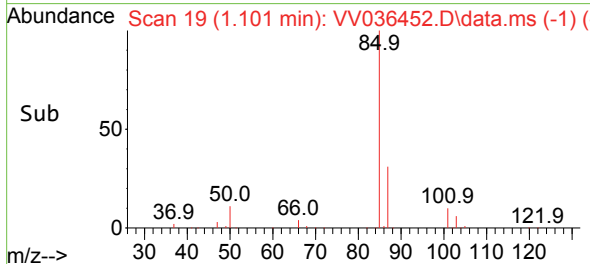
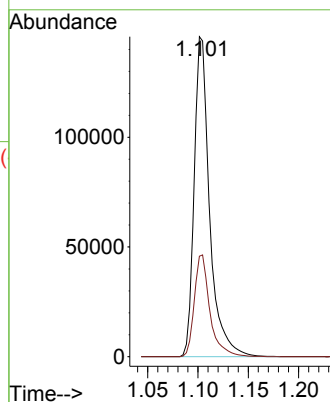
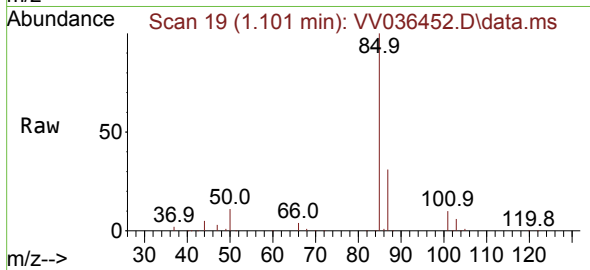
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 27.193 ug/L
RT: 1.101 min Scan# 19
Delta R.T. 0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

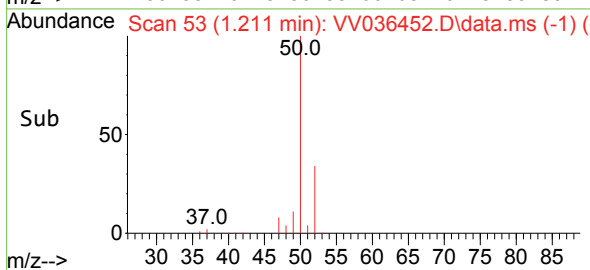
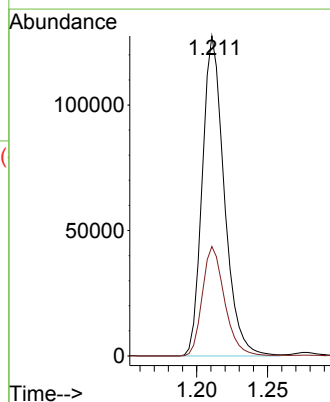
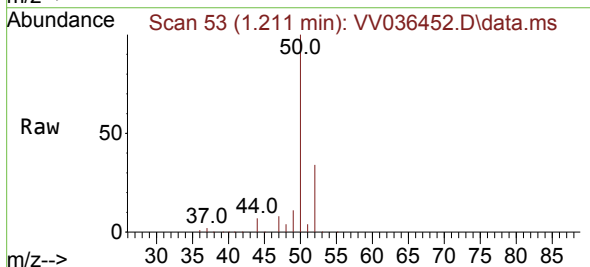
Instrument :
MSVOA_V
ClientSampleId :

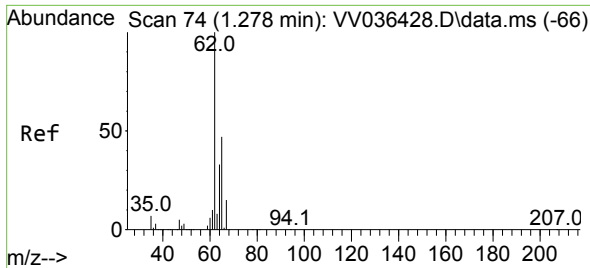
Tgt Ion: 85 Resp: 155679
Ion Ratio Lower Upper
85 100
87 32.1 25.9 38.9



#3
Chloromethane
Concen: 26.528 ug/L
RT: 1.211 min Scan# 53
Delta R.T. 0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

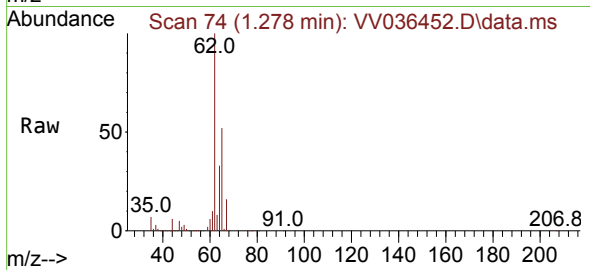
Tgt Ion: 50 Resp: 137473
Ion Ratio Lower Upper
50 100
52 34.2 23.5 43.7



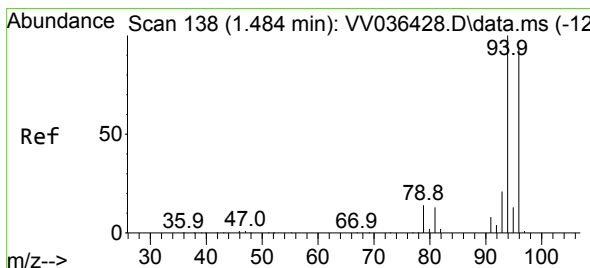
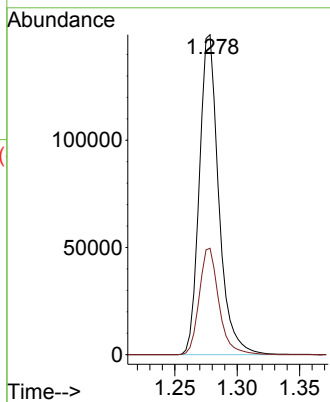
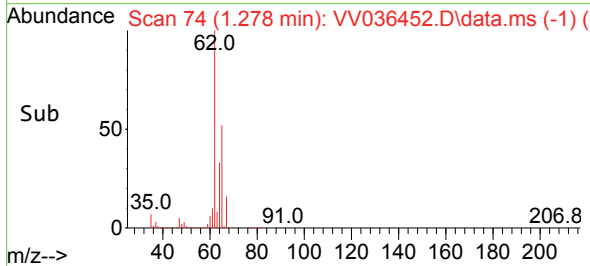


#5
 Vinyl chloride
 Concen: 26.957 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: VV036452.D
 Acq: 03 Jul 2024 18:21

Instrument :
 MSVOA_V
 ClientSampleId :

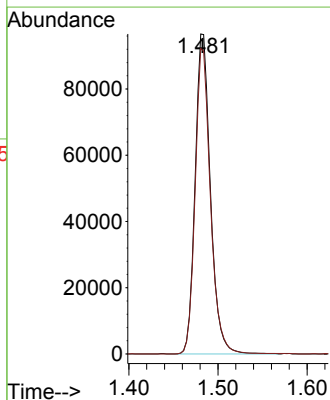
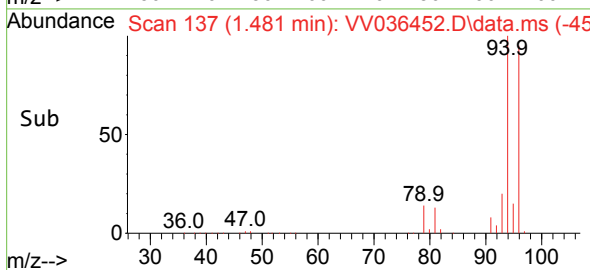
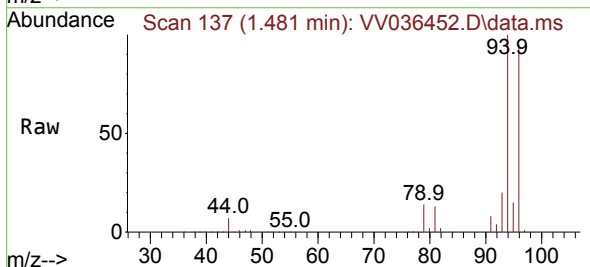


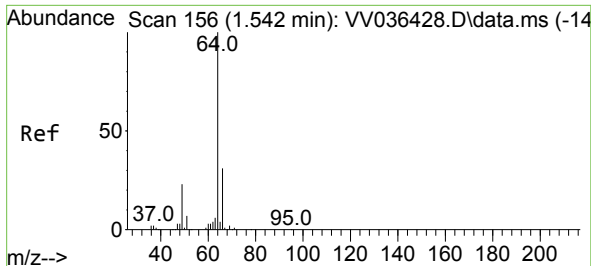
Tgt Ion: 62 Resp: 161313
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.4 43.4



#6
 Bromomethane
 Concen: 28.801 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.003 min
 Lab File: VV036452.D
 Acq: 03 Jul 2024 18:21

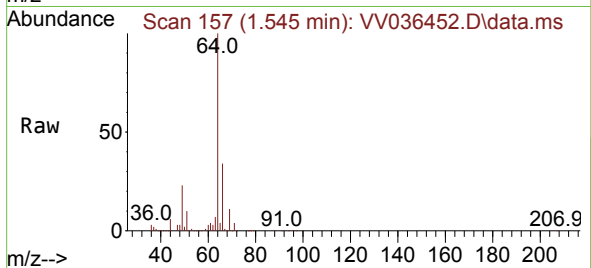
Tgt Ion: 94 Resp: 115918
 Ion Ratio Lower Upper
 94 100
 96 95.4 66.1 122.7



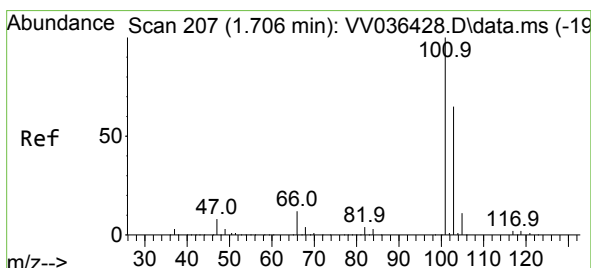
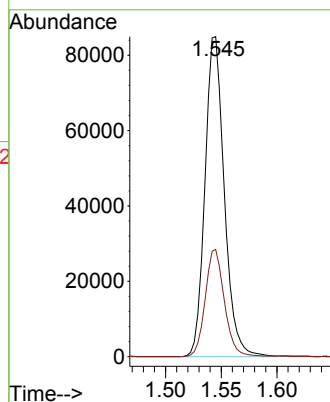
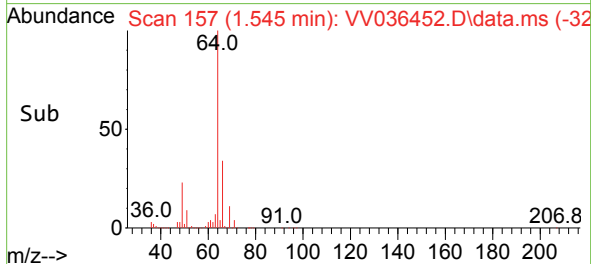


#8
Chloroethane
Concen: 27.813 ug/L
RT: 1.545 min Scan# 156
Delta R.T. 0.003 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

Instrument :
MSVOA_V
ClientSampleId :

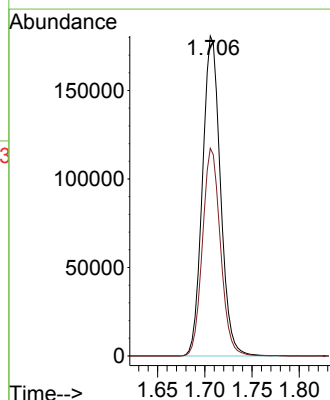
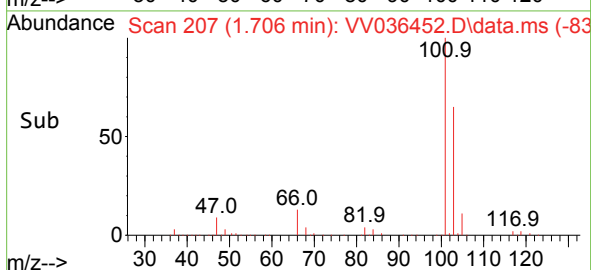
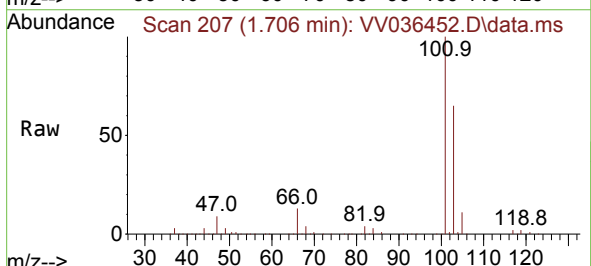


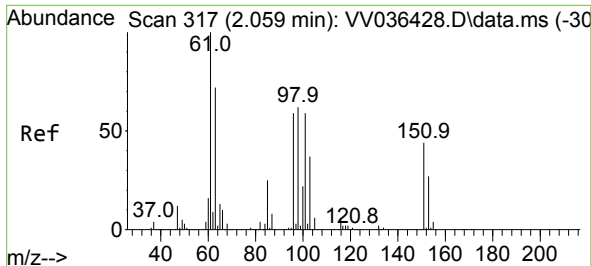
Tgt Ion: 64 Resp: 102577
Ion Ratio Lower Upper
64 100
66 33.5 23.0 42.6



#9
Trichlorofluoromethane
Concen: 27.990 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

Tgt Ion:101 Resp: 239207
Ion Ratio Lower Upper
101 100
103 64.8 51.7 77.5

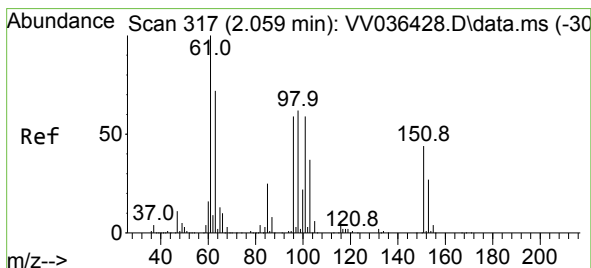
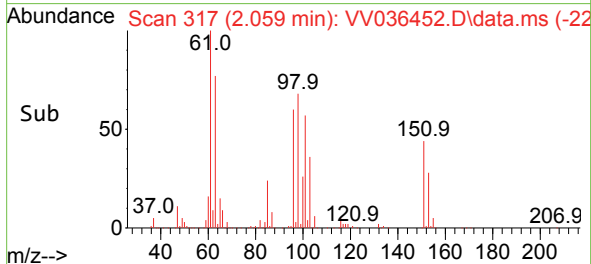
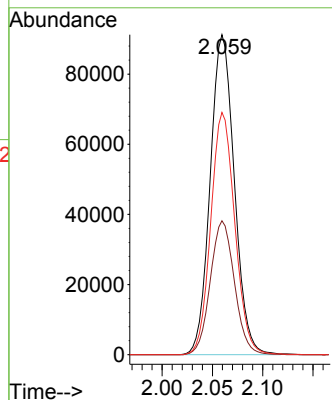
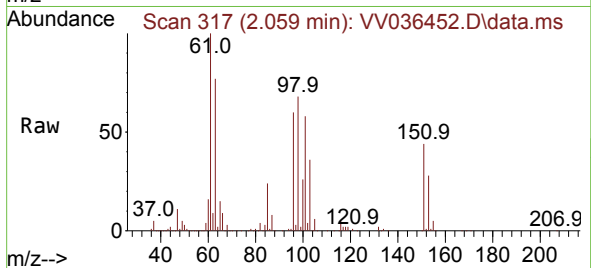




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 28.443 ug/L
RT: 2.059 min Scan# 317
Delta R.T. -0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

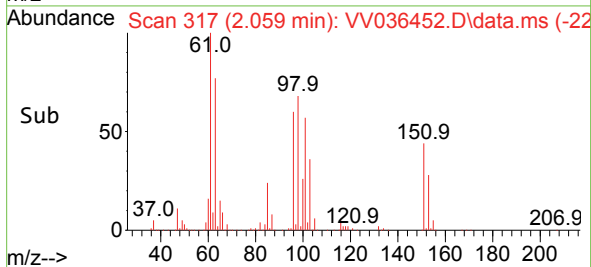
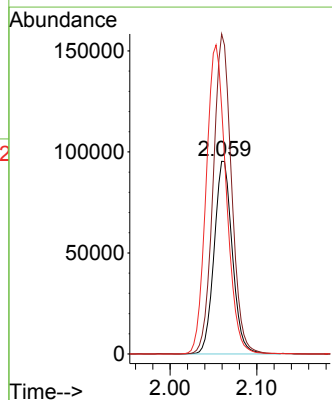
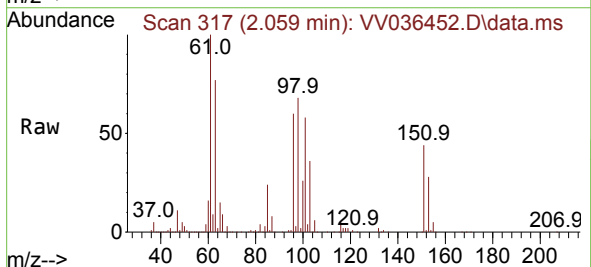
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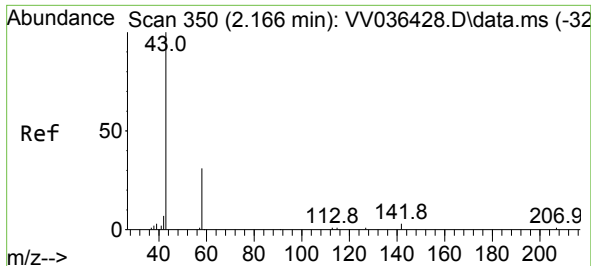
Tgt Ion:101 Resp: 152478
Ion Ratio Lower Upper
101 100
85 41.8 34.6 51.8
151 75.3 58.9 88.3



#12
1,1-Dichloroethene
Concen: 29.343 ug/L
RT: 2.059 min Scan# 317
Delta R.T. -0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

Tgt Ion: 96 Resp: 139269
Ion Ratio Lower Upper
96 100
61 166.1 122.6 227.8
63 128.1 96.1 178.5





#13

Acetone

Concen: 32.038 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.219 min

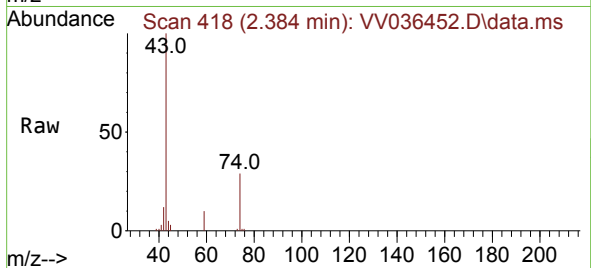
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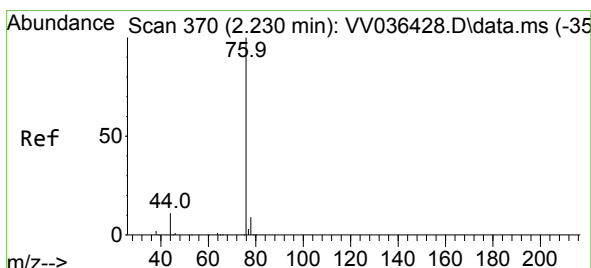
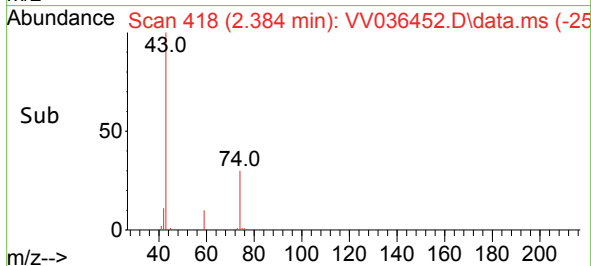
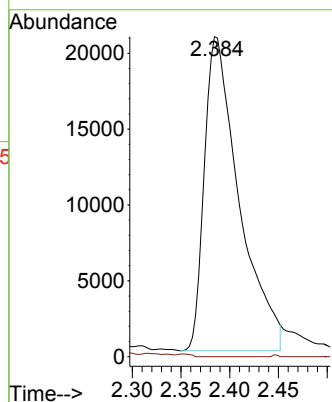


Tgt Ion: 43 Resp: 51407

Ion Ratio Lower Upper

43 100

58 0.3 0.0 0.6



#14

Carbon disulfide

Concen: 27.048 ug/L

RT: 2.230 min Scan# 370

Delta R.T. 0.000 min

Lab File: VV036452.D

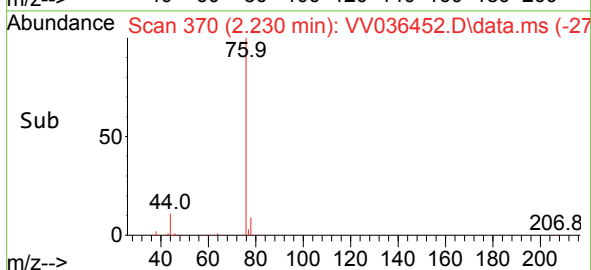
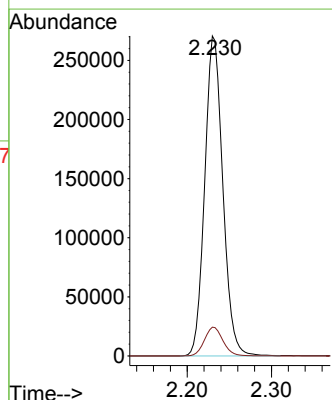
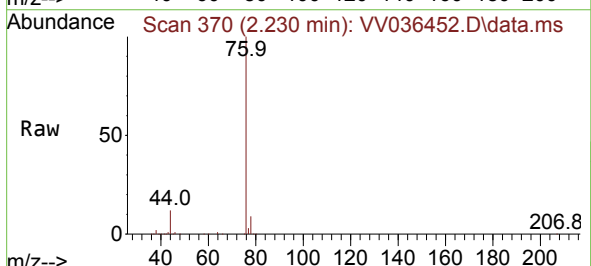
Acq: 03 Jul 2024 18:21

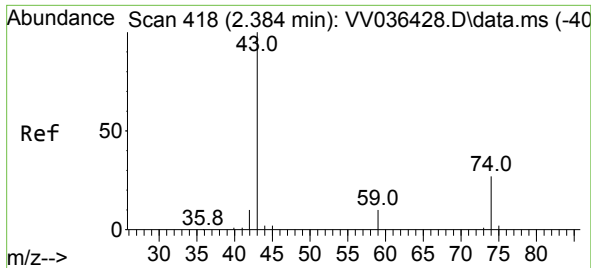
Tgt Ion: 76 Resp: 405034

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

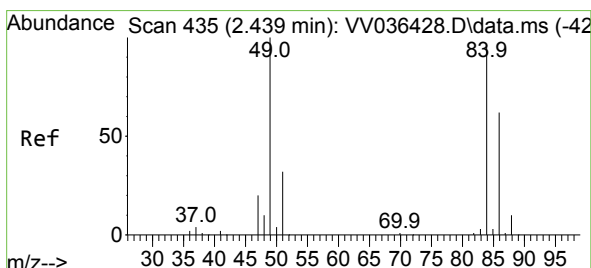
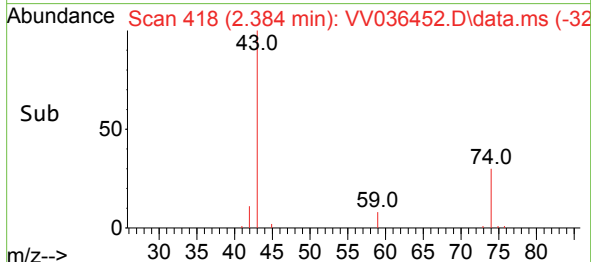
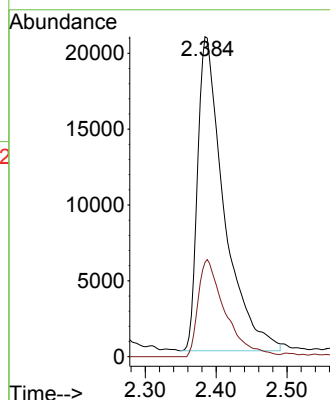
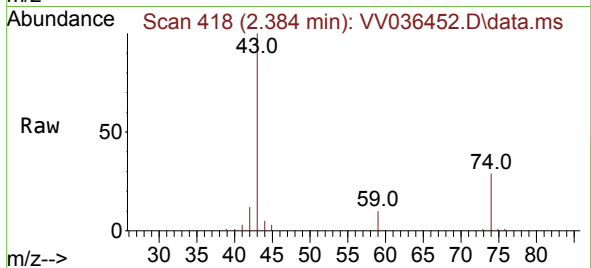




#15
Methyl Acetate
Concen: 25.965 ug/L
RT: 2.384 min Scan# 418
Delta R.T. 0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

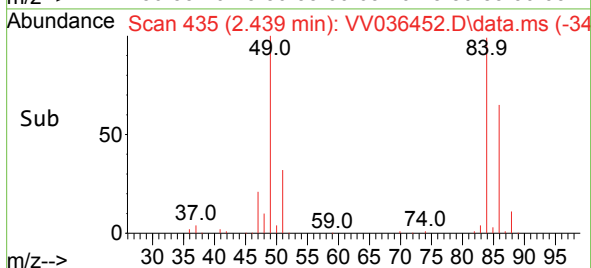
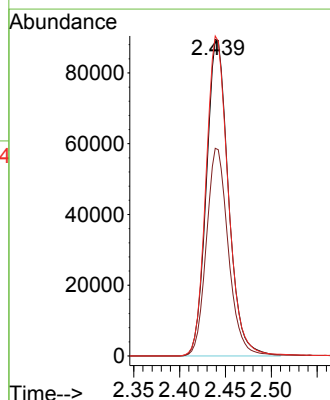
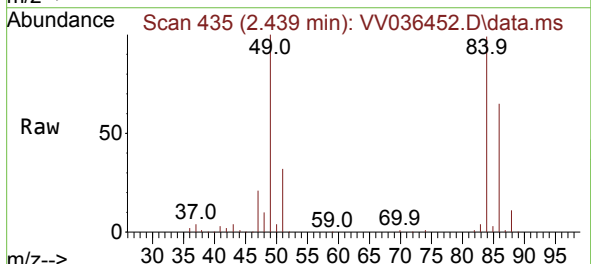
Instrument :
MSVOA_V
ClientSampleId :

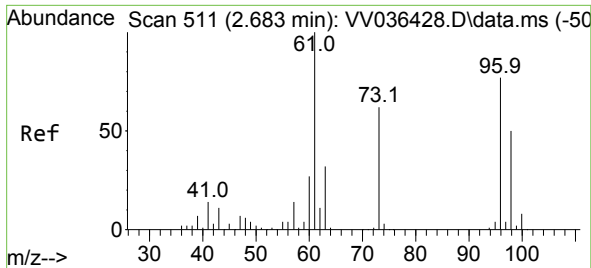
Tgt Ion: 43 Resp: 53612
Ion Ratio Lower Upper
43 100
74 31.5 23.8 35.6



#16
Methylene chloride
Concen: 25.296 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

Tgt Ion: 84 Resp: 150056
Ion Ratio Lower Upper
84 100
86 65.6 45.6 84.8
49 101.1 75.7 140.5

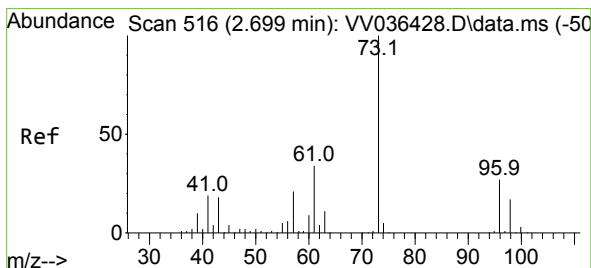
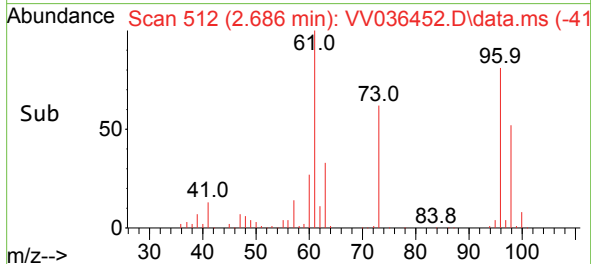
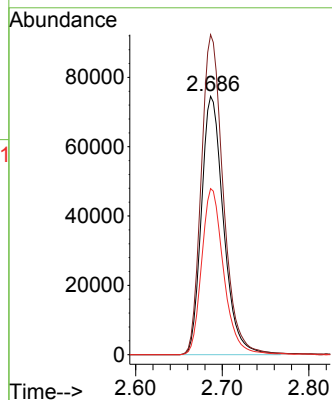
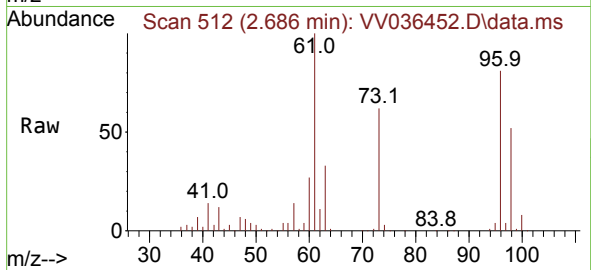




#17
trans-1,2-Dichloroethene
Concen: 28.091 ug/L
RT: 2.686 min Scan# 511
Delta R.T. 0.003 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

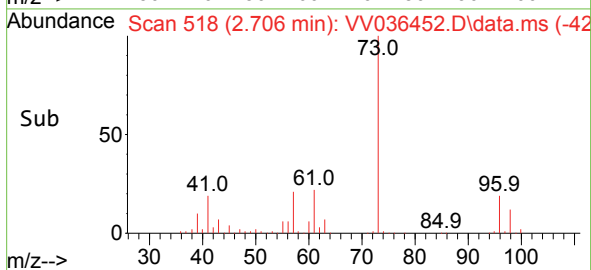
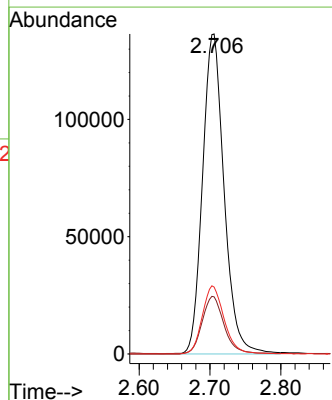
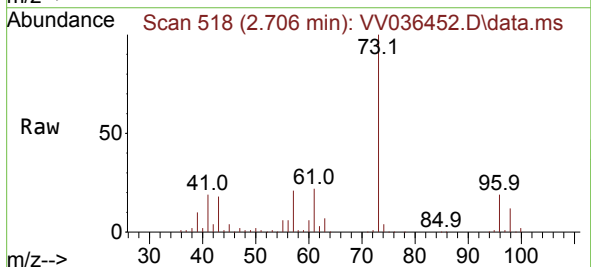
Instrument :
MSVOA_V
ClientSampleId :

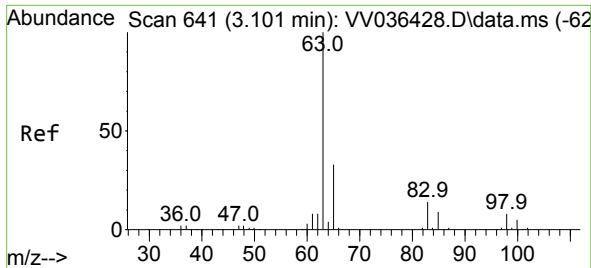
Tgt Ion: 96 Resp: 132376
Ion Ratio Lower Upper
96 100
61 123.9 89.8 166.8
98 64.3 45.3 84.1



#18
Methyl tert-butyl Ether
Concen: 26.306 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.006 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

Tgt Ion: 73 Resp: 288574
Ion Ratio Lower Upper
73 100
43 17.7 14.7 22.1
57 21.5 17.0 25.6





#19

1,1-Dichloroethane

Concen: 28.431 ug/L

RT: 3.104 min Scan# 641

Delta R.T. 0.003 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

Instrument :

MSVOA_V

ClientSampleId :

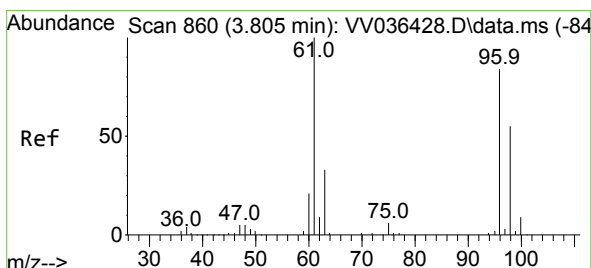
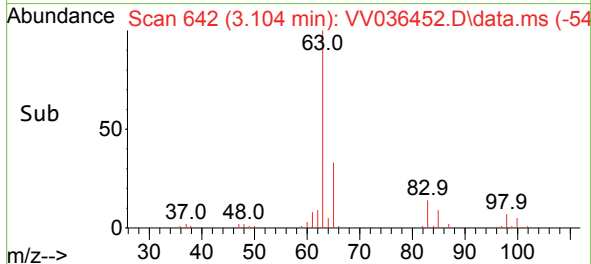
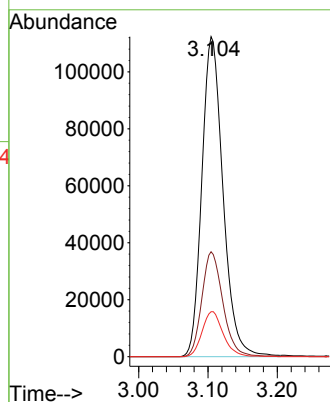
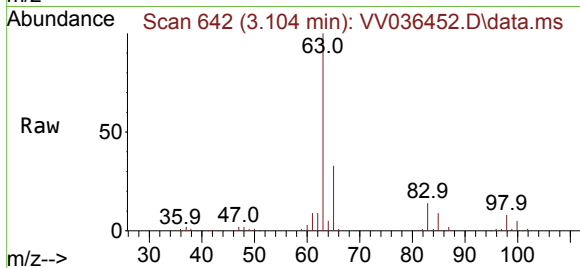
Tgt Ion: 63 Resp: 238217

Ion Ratio Lower Upper

63 100

65 32.8 22.1 41.1

83 14.0 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 27.787 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.003 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

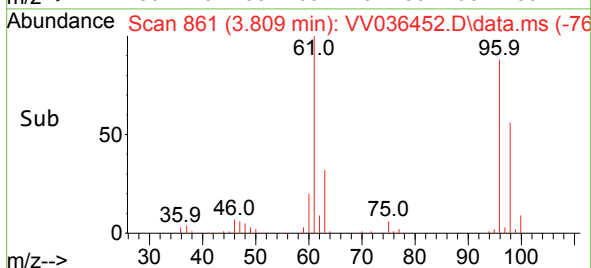
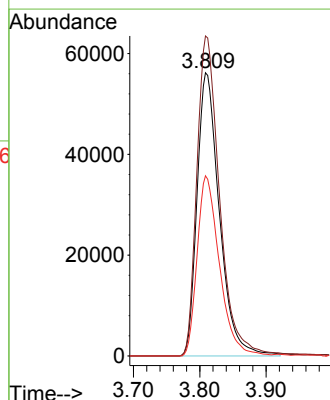
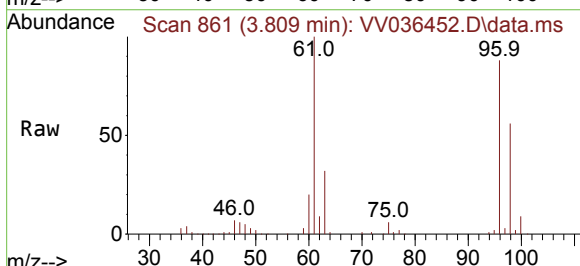
Tgt Ion: 96 Resp: 131700

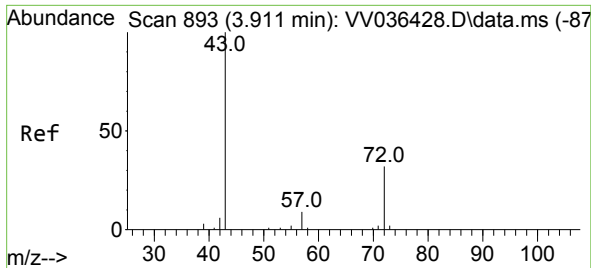
Ion Ratio Lower Upper

96 100

61 113.0 83.7 155.5

98 63.6 44.2 82.0

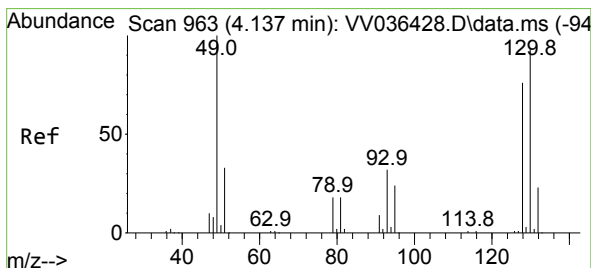
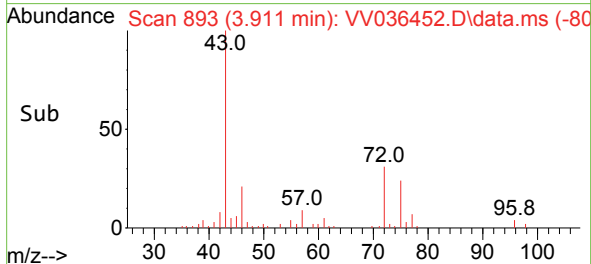
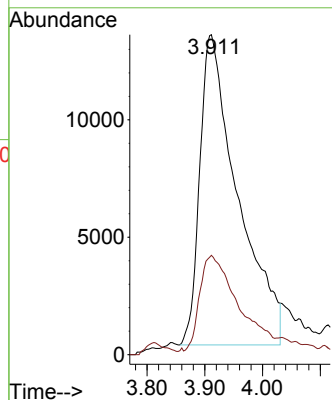
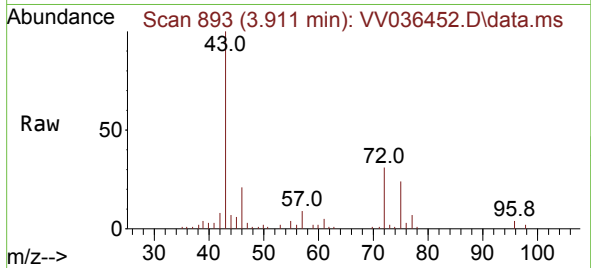




#22
2-Butanone
Concen: 44.576 ug/L
RT: 3.911 min Scan# 893
Delta R.T. 0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

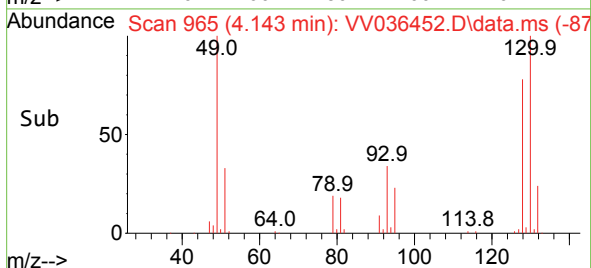
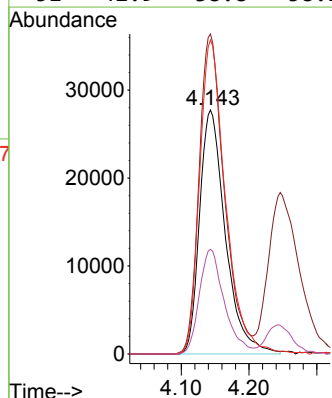
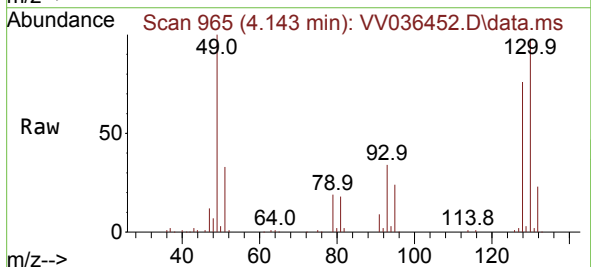
Instrument :
MSVOA_V
ClientSampleId :

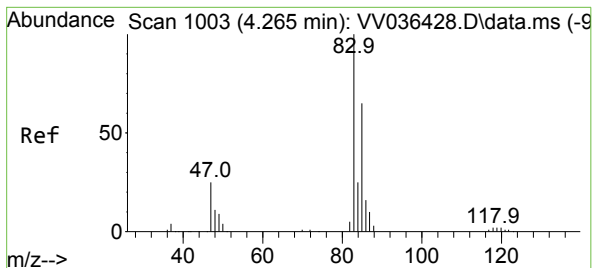
Tgt Ion: 43 Resp: 60311
Ion Ratio Lower Upper
43 100
72 31.1 12.9 38.7



#23
Bromochloromethane
Concen: 29.641 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.006 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

Tgt Ion: 128 Resp: 73256
Ion Ratio Lower Upper
128 100
49 131.1 99.2 184.2
130 128.7 88.9 165.1
51 42.9 38.8 58.2





#25

Chloroform

Concen: 29.688 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.006 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

Instrument :

MSVOA_V

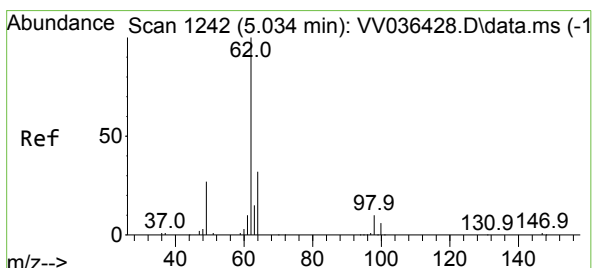
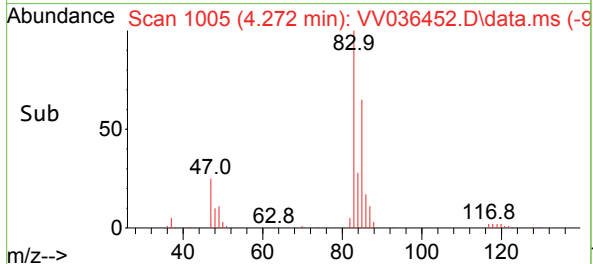
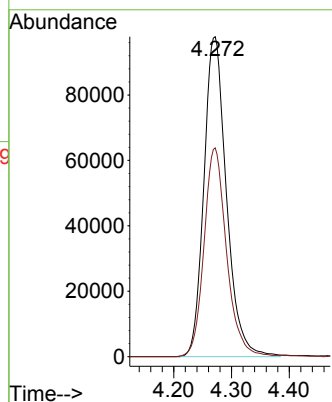
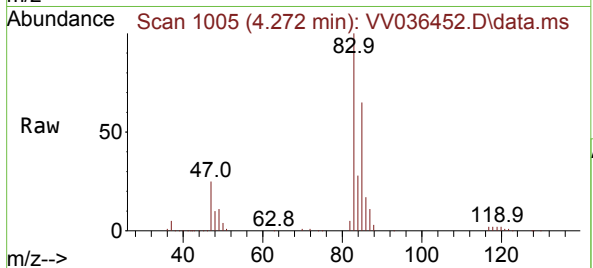
ClientSampleId :

Tgt Ion: 83 Resp: 265312

Ion Ratio Lower Upper

83 100

85 65.2 45.0 83.6



#27

1,2-Dichloroethane

Concen: 28.704 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV036452.D

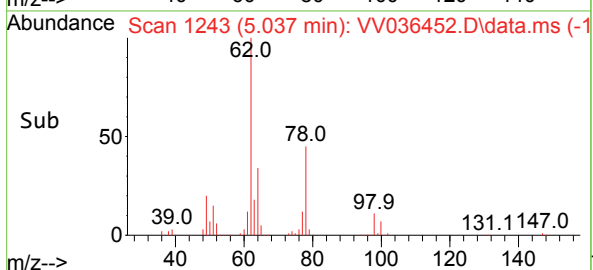
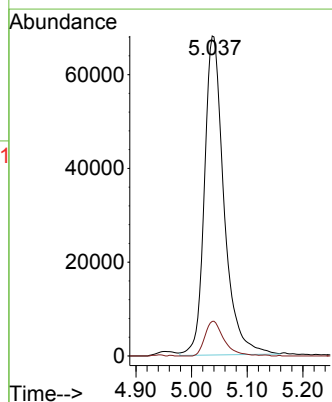
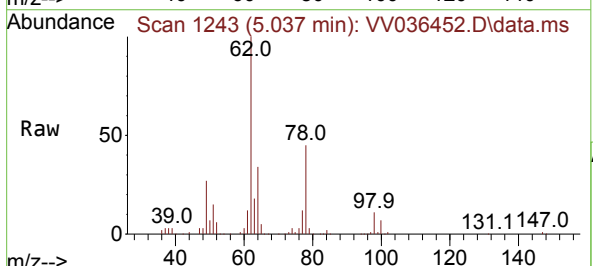
Acq: 03 Jul 2024 18:21

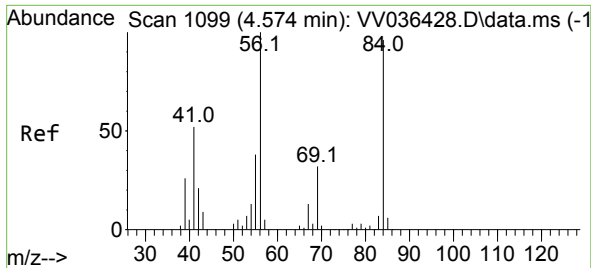
Tgt Ion: 62 Resp: 166098

Ion Ratio Lower Upper

62 100

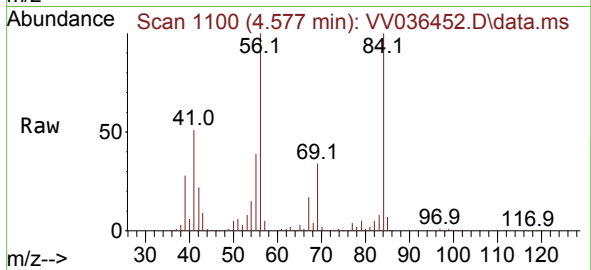
98 10.8 7.8 11.8



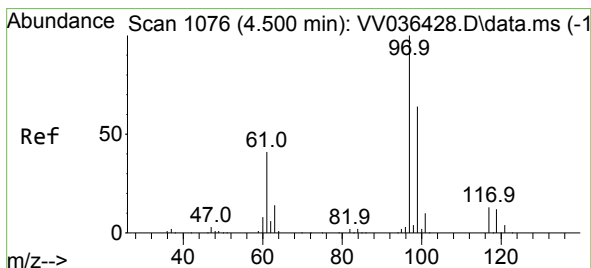
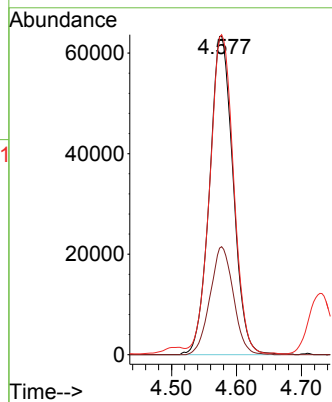
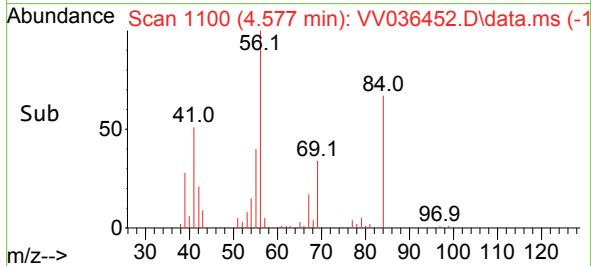


#29
Cyclohexane
Concen: 24.174 ug/L
RT: 4.577 min Scan# 1100
Delta R.T. 0.003 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

Instrument :
MSVOA_V
ClientSampleId :

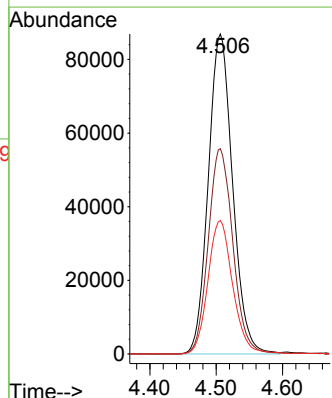
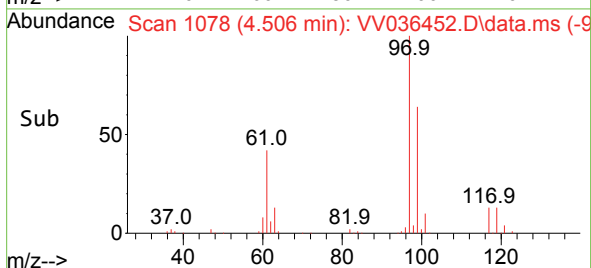
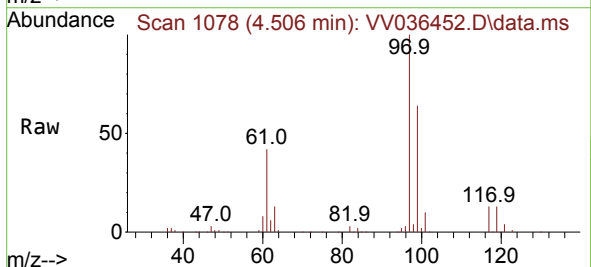


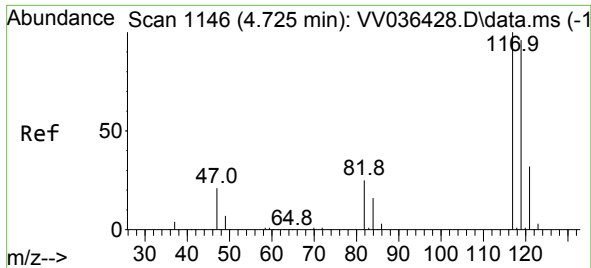
Tgt Ion: 56 Resp: 159458
Ion Ratio Lower Upper
56 100
69 33.6 26.0 39.0
84 101.3 77.4 116.0



#30
1,1,1-Trichloroethane
Concen: 28.883 ug/L
RT: 4.506 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

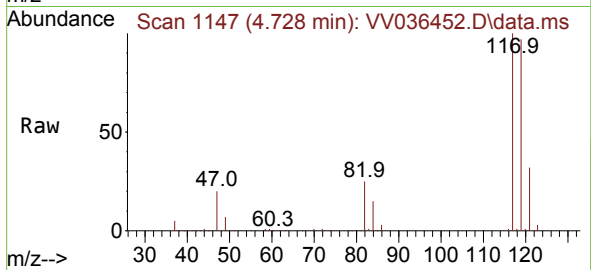
Tgt Ion: 97 Resp: 221733
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.0
61 42.3 34.8 52.2



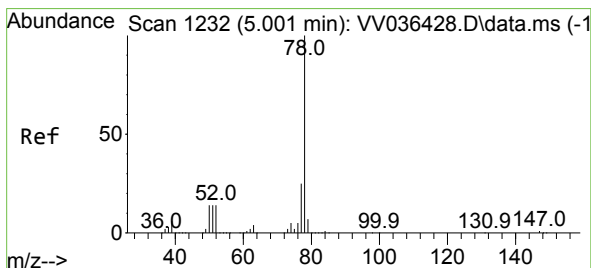
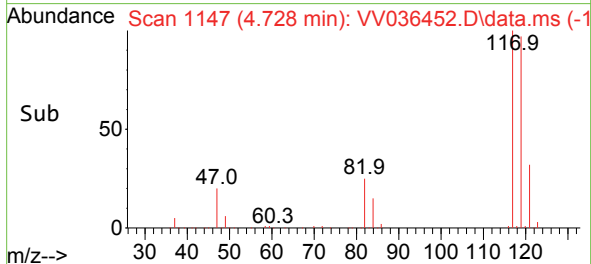
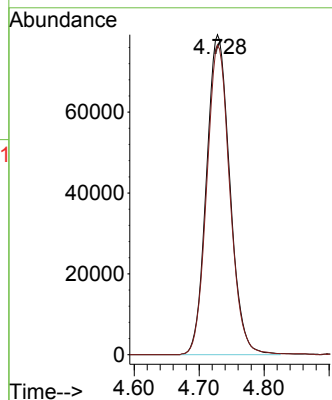


#31
Carbon tetrachloride
Concen: 28.971 ug/L
RT: 4.728 min Scan# 1146
Delta R.T. 0.003 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

Instrument :
MSVOA_V
ClientSampleId :

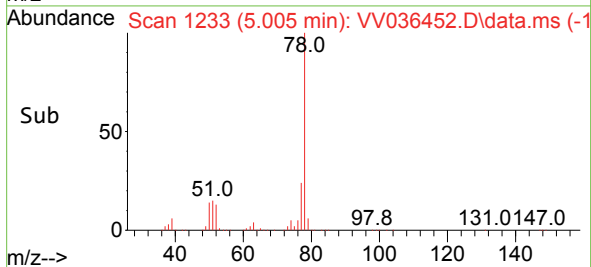
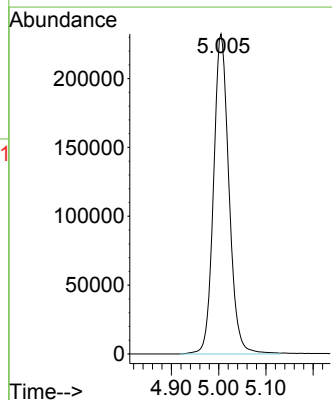
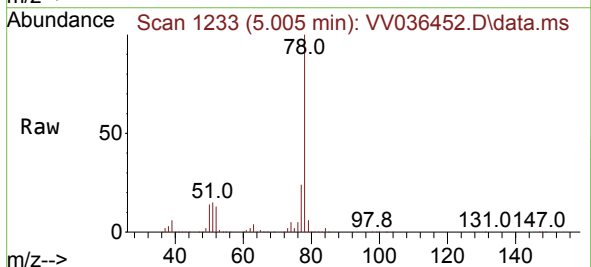


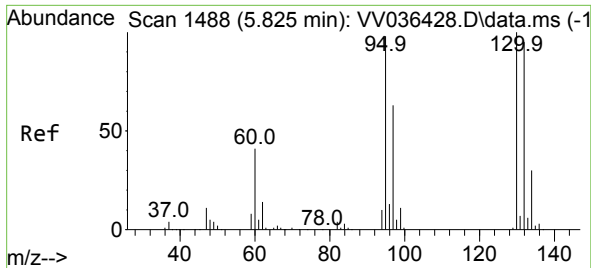
Tgt Ion:117 Resp: 198170
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8



#33
Benzene
Concen: 28.749 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

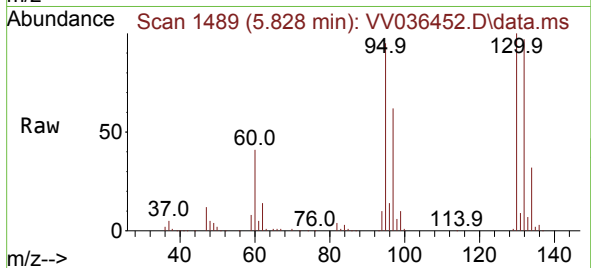
Tgt Ion: 78 Resp: 527205



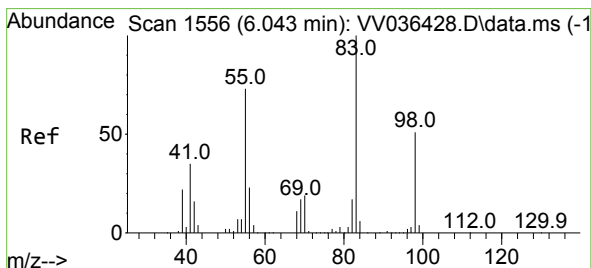
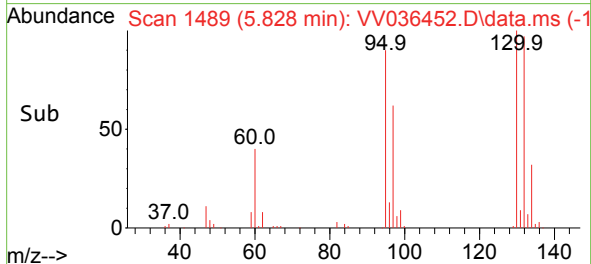
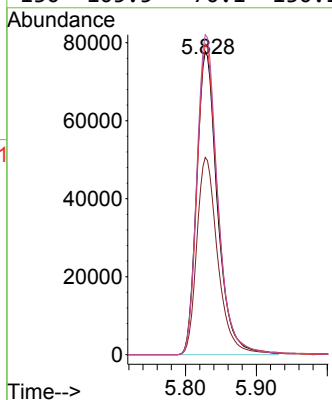


#34
 Trichloroethene
 Concen: 27.428 ug/L
 RT: 5.828 min Scan# 1488
 Delta R.T. 0.003 min
 Lab File: VV036452.D
 Acq: 03 Jul 2024 18:21

Instrument :
 MSVOA_V
 ClientSampleId :

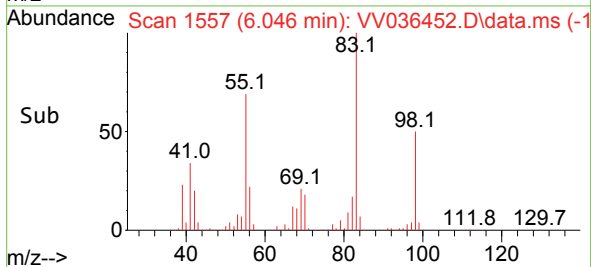
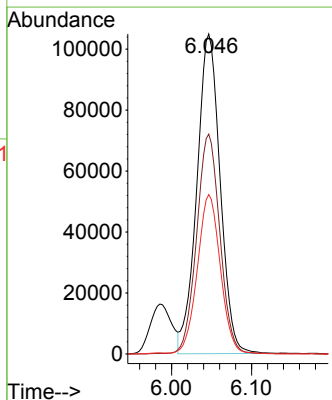
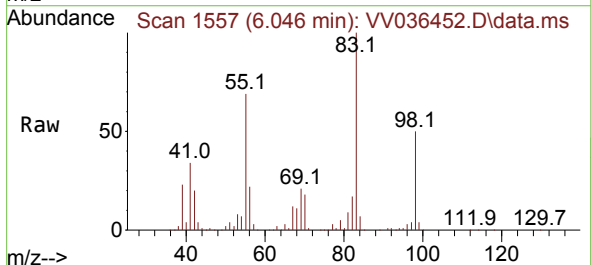


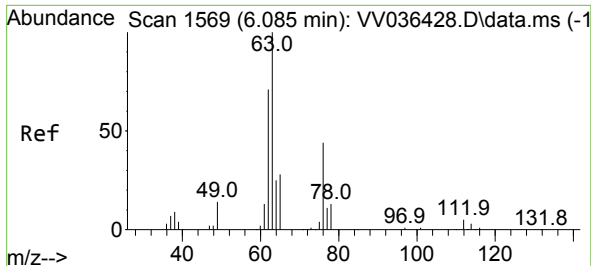
Tgt Ion: 95 Resp: 158725
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.1 83.7
 132 102.4 67.7 125.7
 130 105.5 70.1 130.1



#35
 Methylcyclohexane
 Concen: 26.336 ug/L
 RT: 6.046 min Scan# 1557
 Delta R.T. 0.003 min
 Lab File: VV036452.D
 Acq: 03 Jul 2024 18:21

Tgt Ion: 83 Resp: 212395
 Ion Ratio Lower Upper
 83 100
 55 68.5 56.0 84.0
 98 49.1 39.0 58.6





#37

1,2-Dichloropropane

Concen: 27.951 ug/L

RT: 6.088 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

Instrument :

MSVOA_V

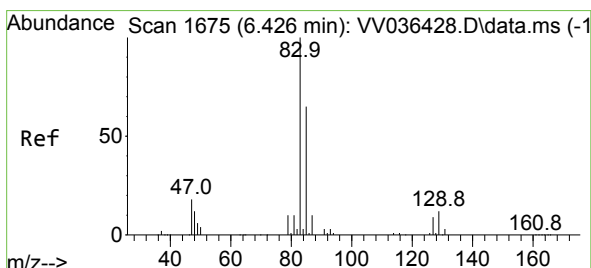
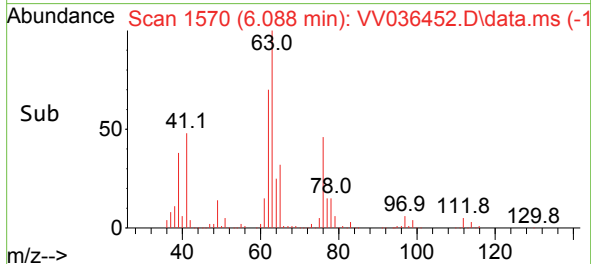
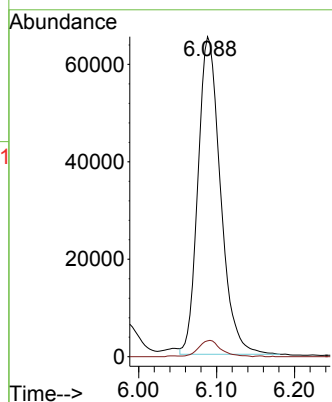
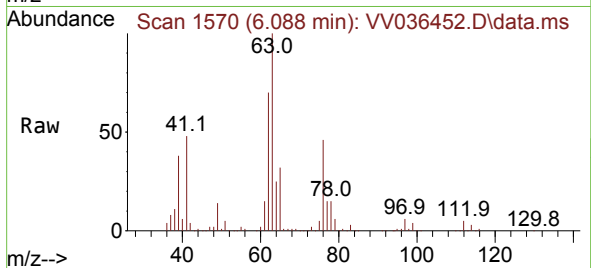
ClientSampleId :

Tgt Ion: 63 Resp: 130908

Ion Ratio Lower Upper

63 100

112 5.1 3.4 5.2



#38

Bromodichloromethane

Concen: 28.682 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.003 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

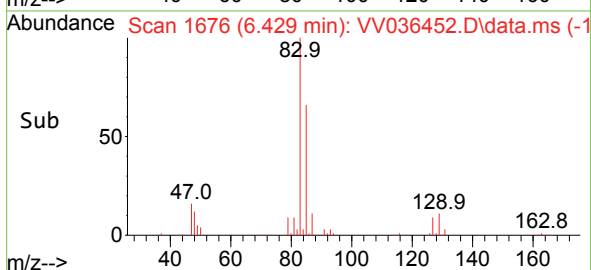
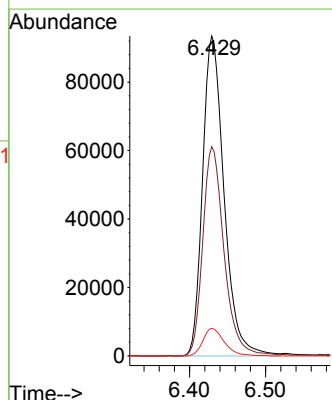
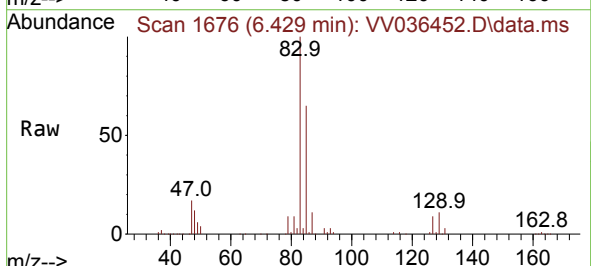
Tgt Ion: 83 Resp: 183727

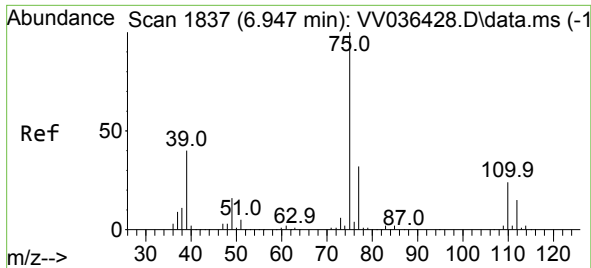
Ion Ratio Lower Upper

83 100

85 65.4 44.9 83.5

127 8.6 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 25.690 ug/L

RT: 6.950 min Scan# 1837

Delta R.T. 0.003 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

Instrument :

MSVOA_V

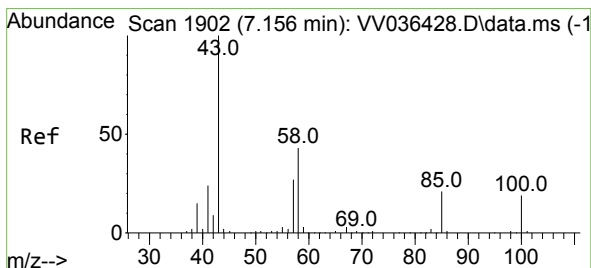
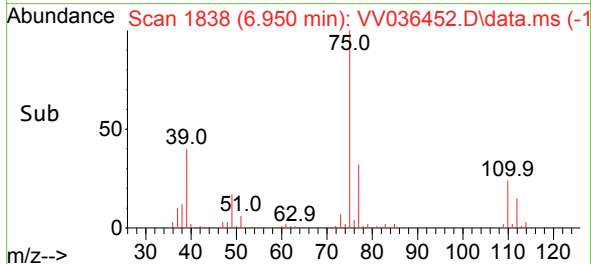
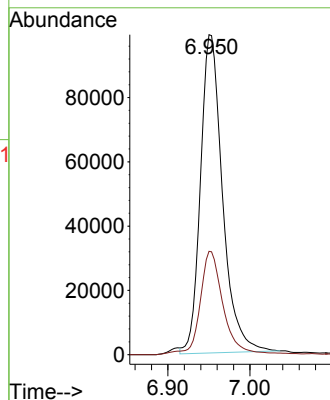
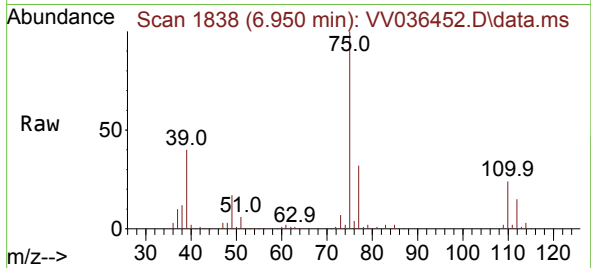
ClientSampleId :

Tgt Ion: 75 Resp: 185014

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 51.213 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

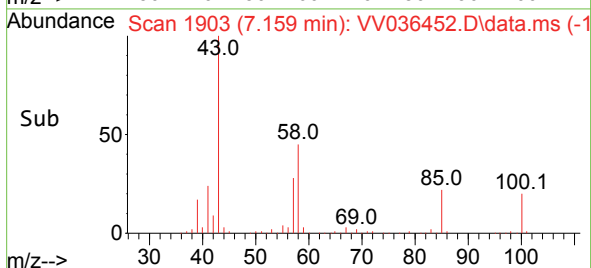
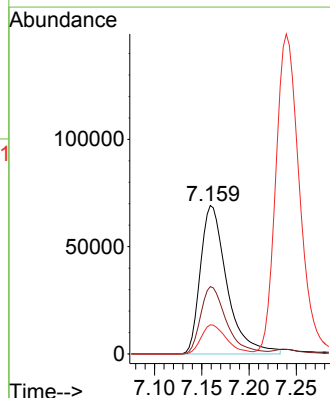
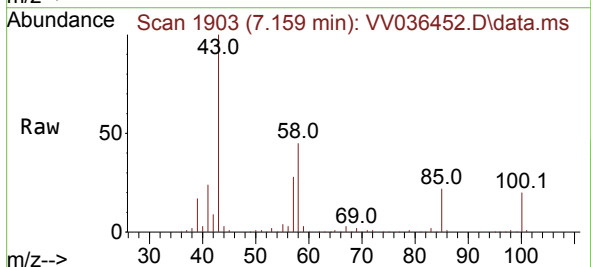
Tgt Ion: 43 Resp: 135272

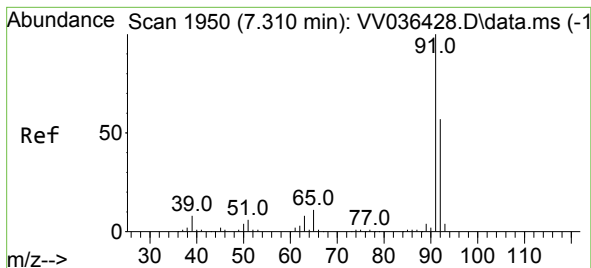
Ion Ratio Lower Upper

43 100

58 44.2 34.8 52.2

100 18.9 14.6 21.8





#42

Toluene

Concen: 29.755 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

Instrument :

MSVOA_V

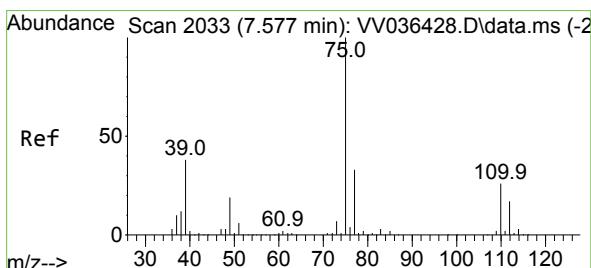
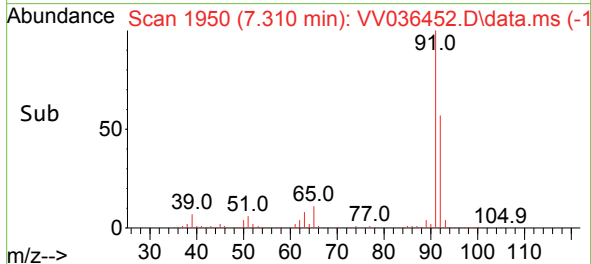
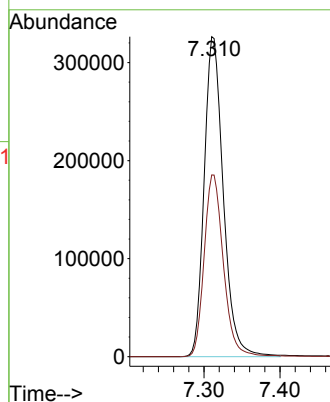
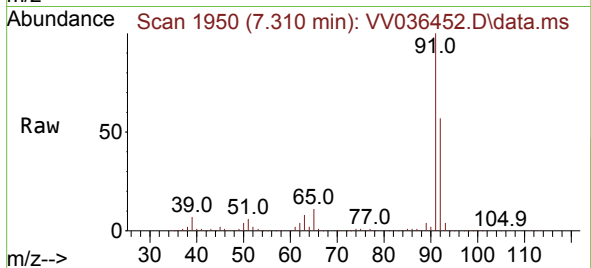
ClientSampleId :

Tgt Ion: 91 Resp: 570545

Ion Ratio Lower Upper

91 100

92 56.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 26.999 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV036452.D

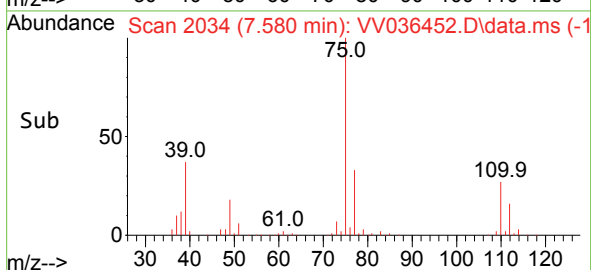
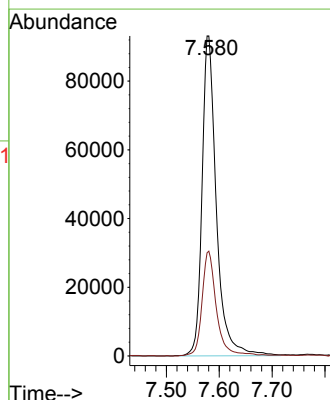
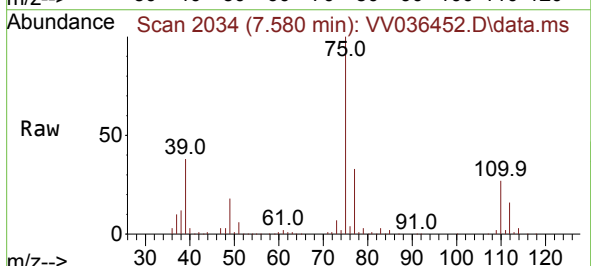
Acq: 03 Jul 2024 18:21

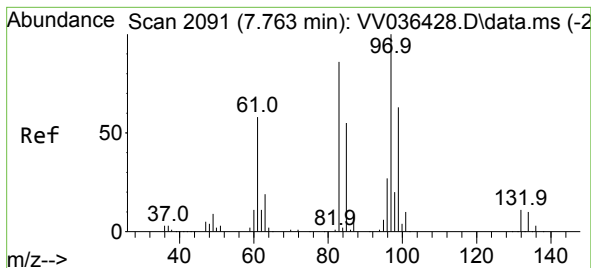
Tgt Ion: 75 Resp: 174886

Ion Ratio Lower Upper

75 100

77 32.8 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 28.499 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 117976

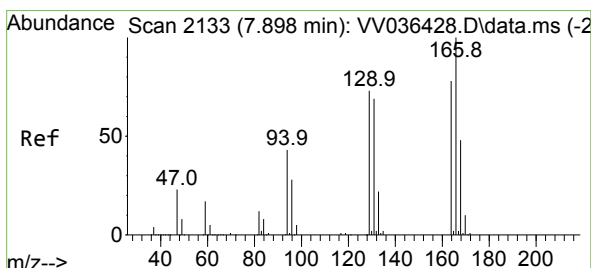
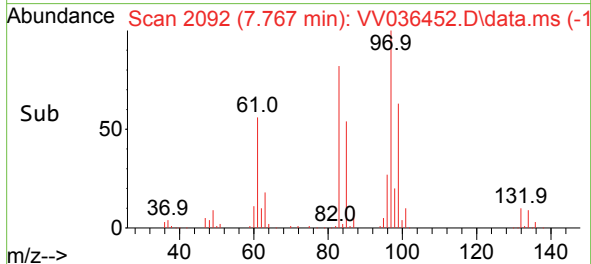
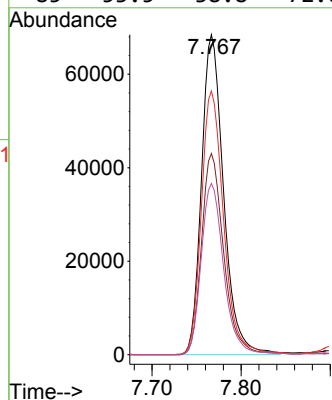
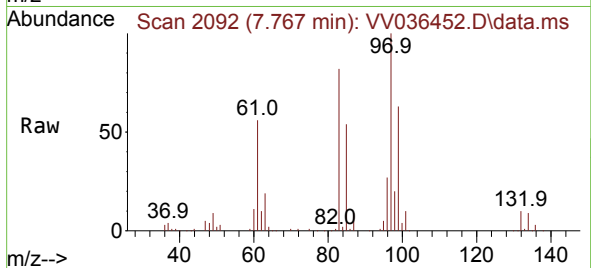
Ion Ratio Lower Upper

97 100

99 62.9 43.8 81.3

83 82.4 60.6 112.6

85 53.5 38.8 72.0



#46

Tetrachloroethene

Concen: 28.599 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

Tgt Ion:164 Resp: 120277

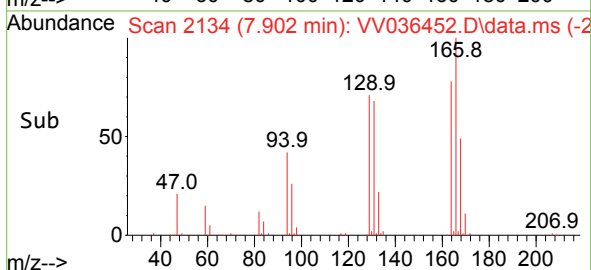
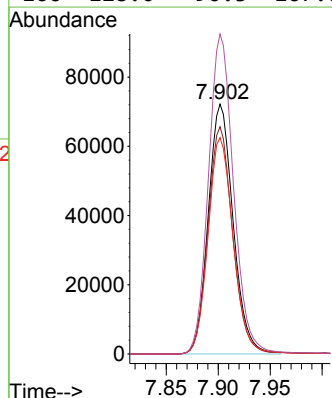
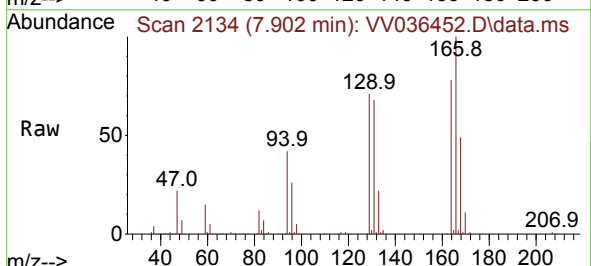
Ion Ratio Lower Upper

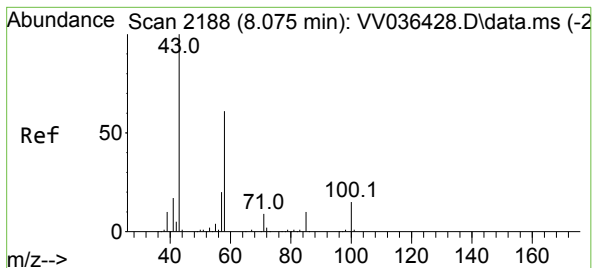
164 100

129 90.9 65.9 122.5

131 86.5 63.3 117.7

166 128.0 90.3 167.7





#48

2-Hexanone

Concen: 46.850 ug/L

RT: 8.079 min Scan# 2188

Delta R.T. 0.003 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 97337

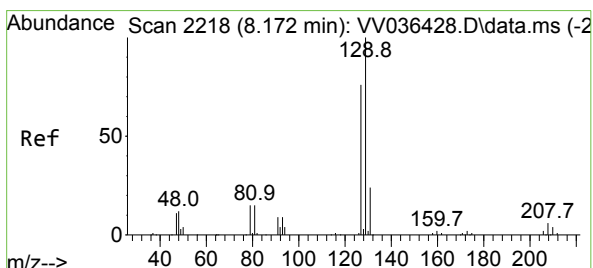
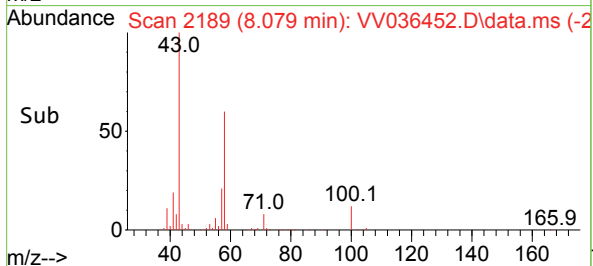
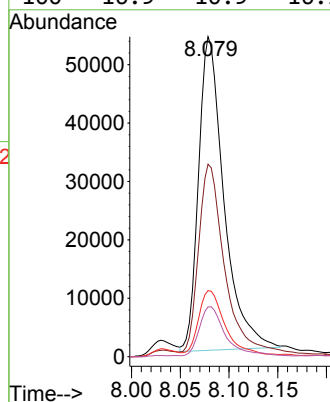
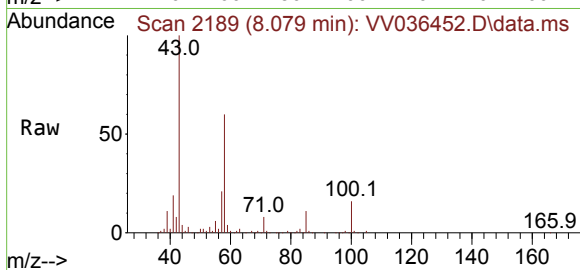
Ion Ratio Lower Upper

43 100

58 63.6 48.5 72.7

57 20.9 15.8 23.6

100 16.9 10.9 16.3#



#49

Dibromochloromethane

Concen: 29.265 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV036452.D

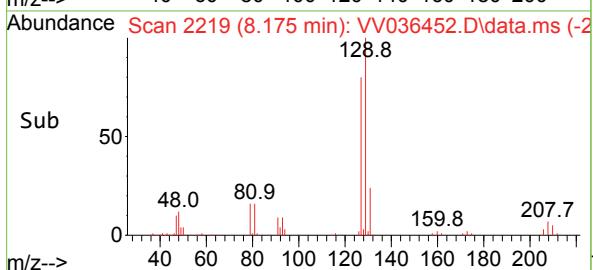
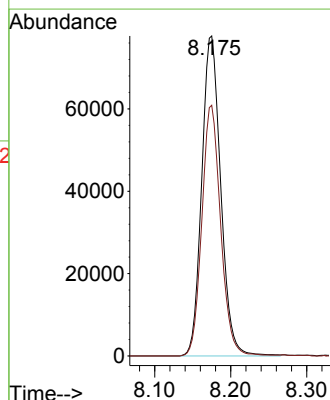
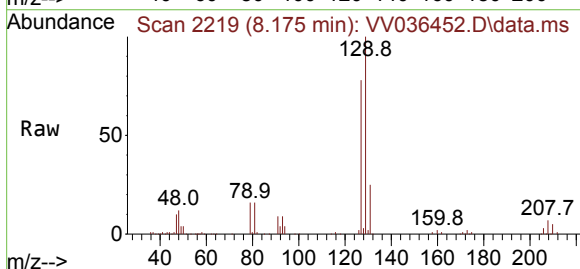
Acq: 03 Jul 2024 18:21

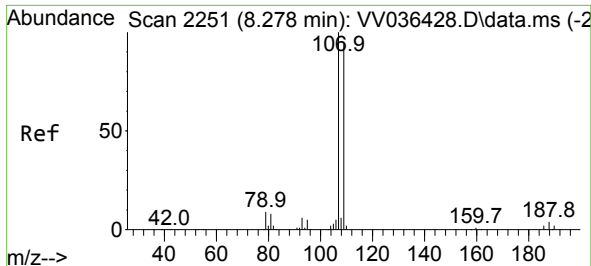
Tgt Ion:129 Resp: 135049

Ion Ratio Lower Upper

129 100

127 78.4 54.9 101.9





#50

1,2-Dibromoethane

Concen: 28.339 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

Instrument :

MSVOA_V

ClientSampleId :

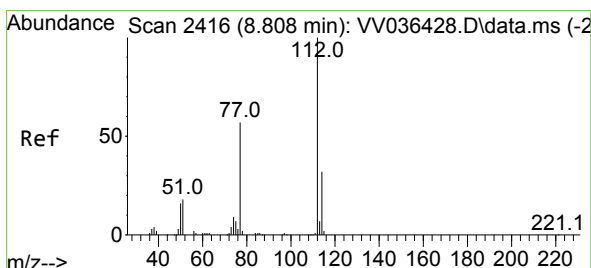
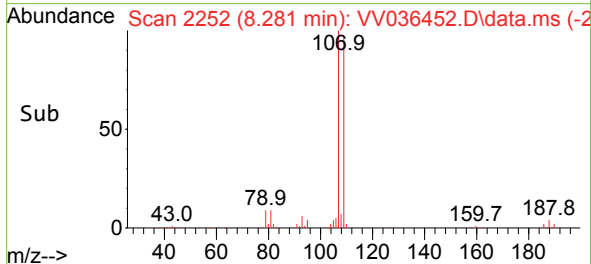
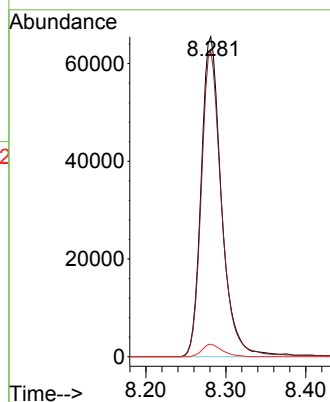
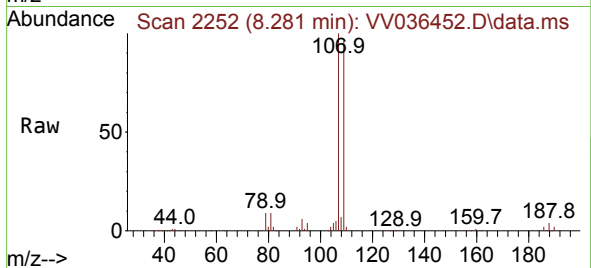
Tgt Ion:107 Resp: 115572

Ion Ratio Lower Upper

107 100

109 95.5 64.7 120.1

188 3.9 3.0 4.6



#51

Chlorobenzene

Concen: 28.368 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.003 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

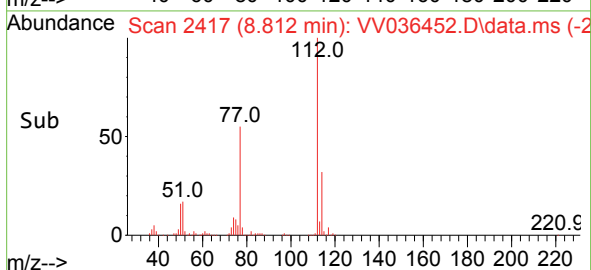
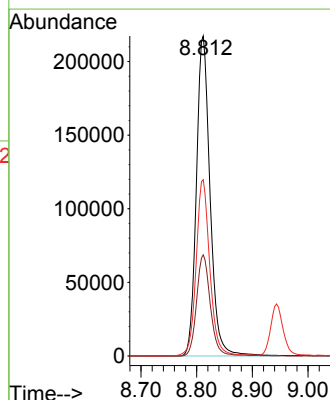
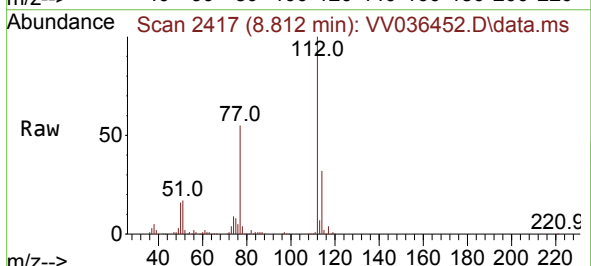
Tgt Ion:112 Resp: 371826

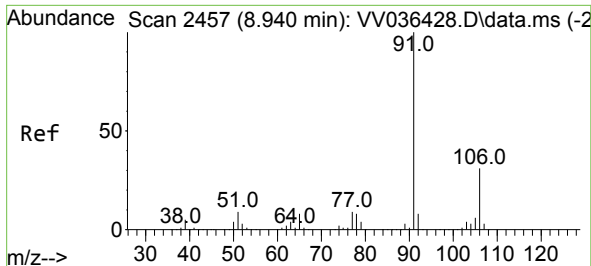
Ion Ratio Lower Upper

112 100

114 31.6 22.8 42.4

77 55.1 46.2 69.2

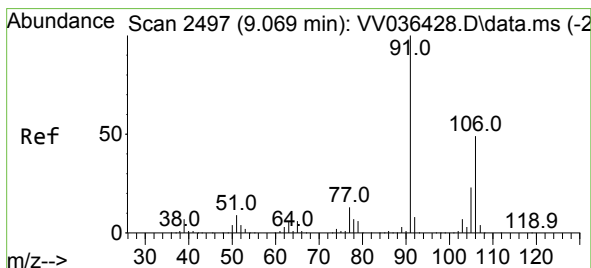
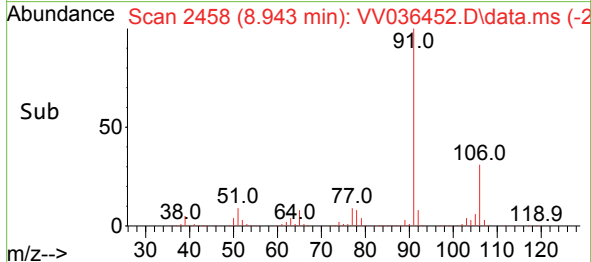
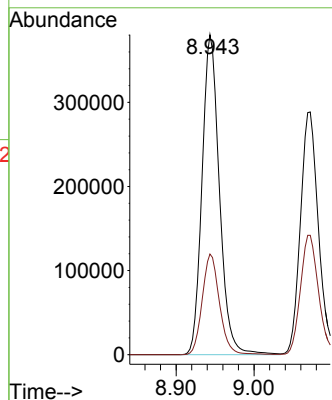
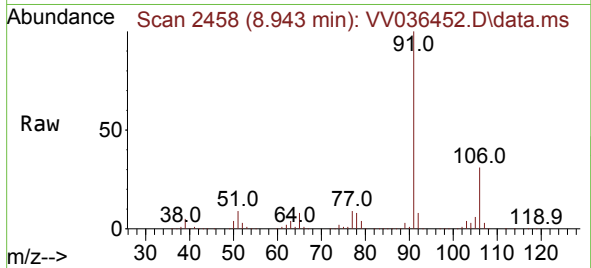




#52
Ethylbenzene
Concen: 28.478 ug/L
RT: 8.943 min Scan# 2457
Delta R.T. 0.003 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

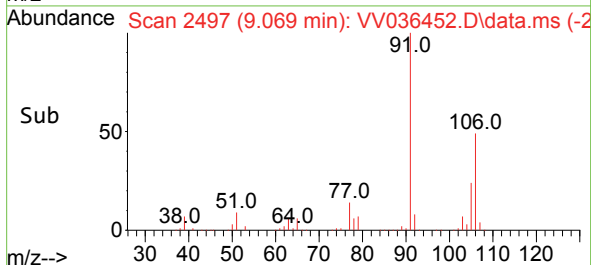
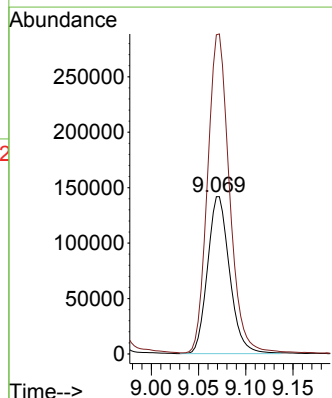
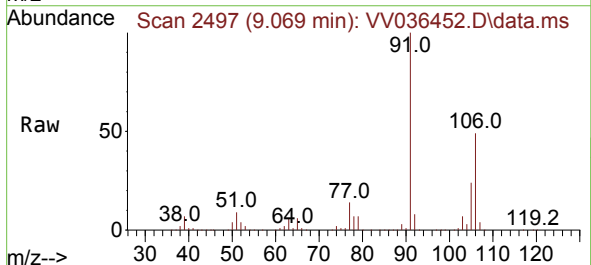
Instrument :
MSVOA_V
ClientSampleId :

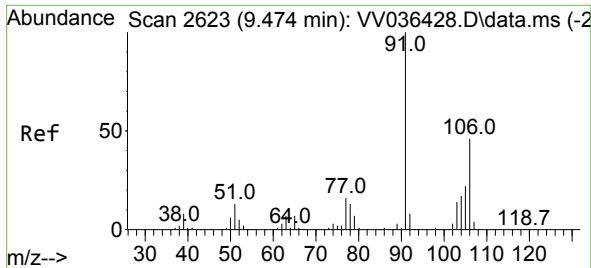
Tgt Ion: 91 Resp: 589293
Ion Ratio Lower Upper
91 100
106 31.5 21.8 40.4



#53
m,p-Xylene
Concen: 29.751 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

Tgt Ion: 106 Resp: 229446
Ion Ratio Lower Upper
106 100
91 202.9 142.2 264.0

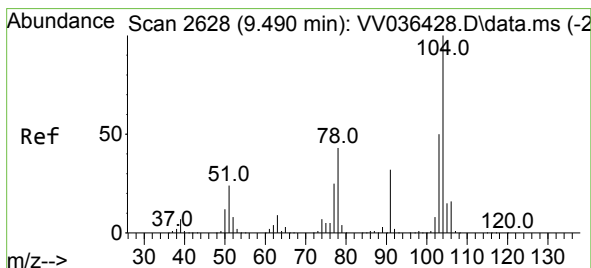
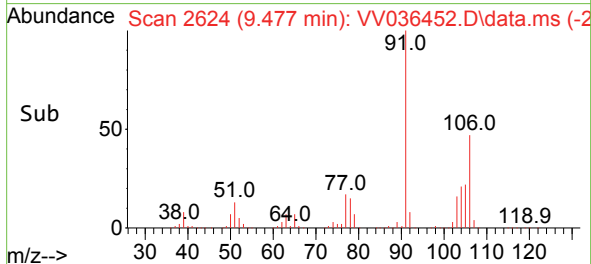
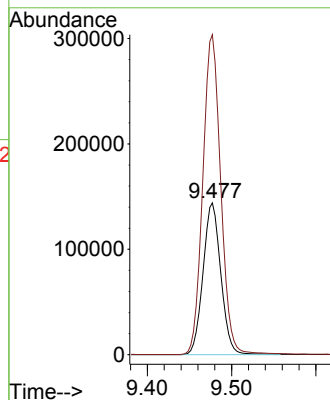
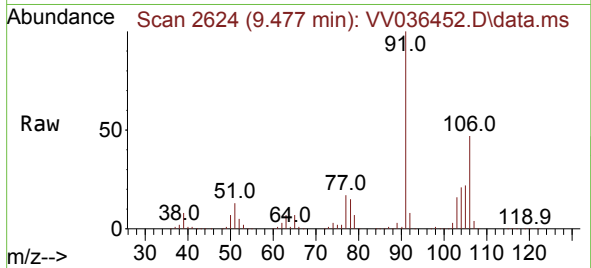




#54
o-Xylene
Concen: 29.240 ug/L
RT: 9.477 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

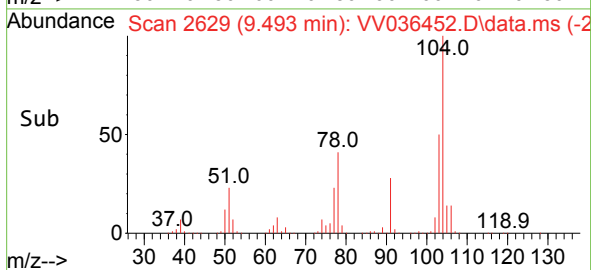
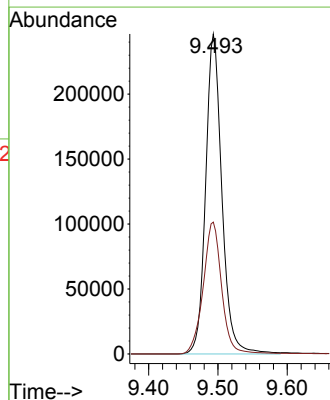
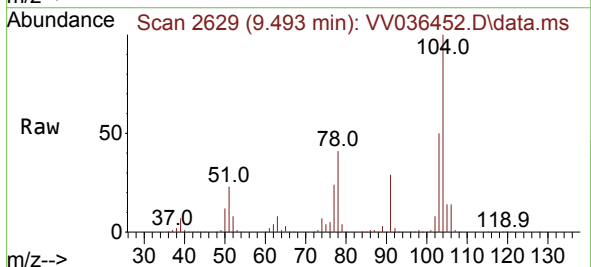
Instrument :
MSVOA_V
ClientSampleId :

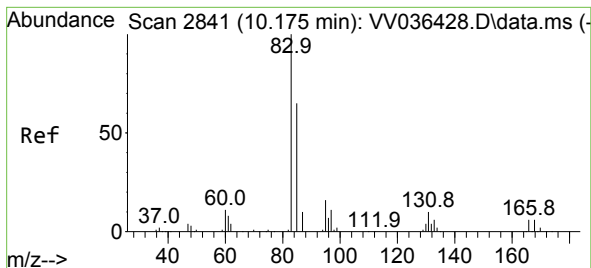
Tgt Ion:106 Resp: 212063
Ion Ratio Lower Upper
106 100
91 210.7 152.7 283.7



#55
Styrene
Concen: 31.531 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.003 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

Tgt Ion:104 Resp: 400773
Ion Ratio Lower Upper
104 100
78 41.2 30.2 56.2

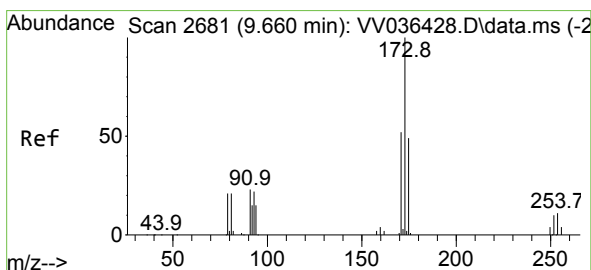
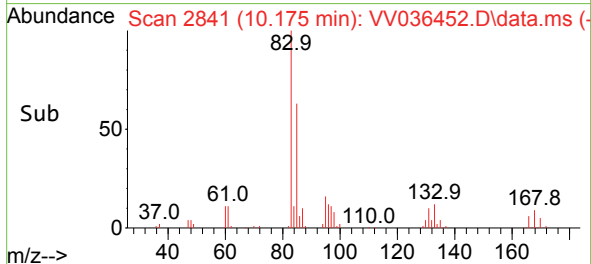
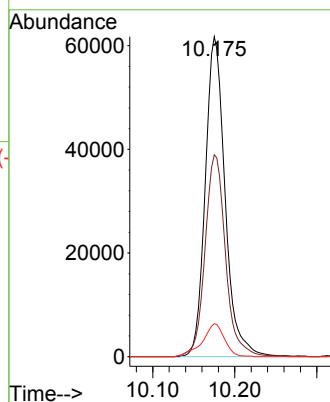
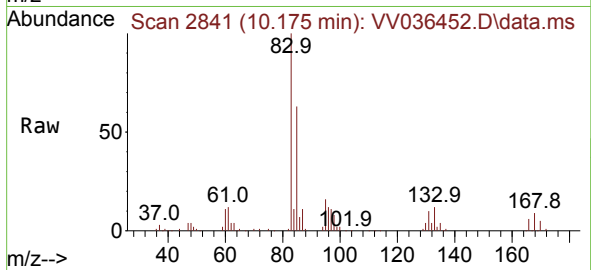




#57
1,1,2,2-Tetrachloroethane
Concen: 27.955 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

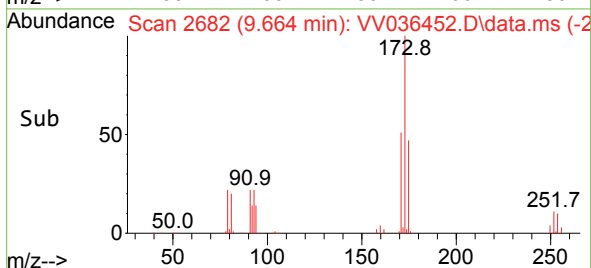
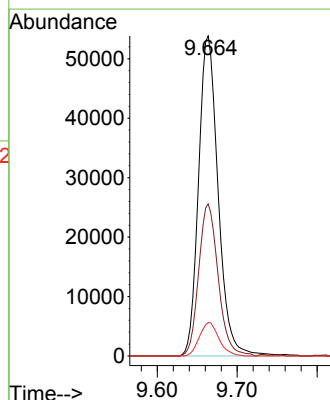
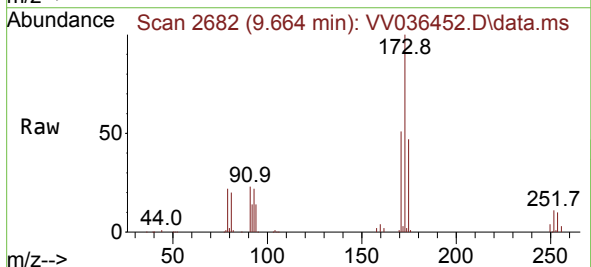
Instrument :
MSVOA_V
ClientSampleId :

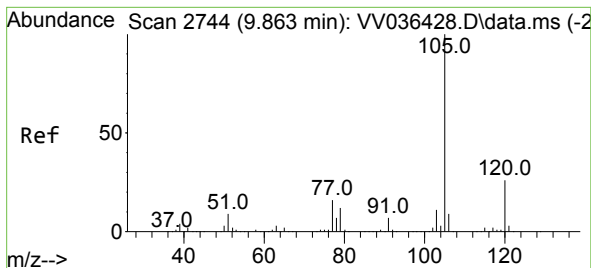
Tgt Ion: 83 Resp: 103573
Ion Ratio Lower Upper
83 100
85 63.1 45.7 84.9
131 10.3 7.8 11.6



#59
Bromoform
Concen: 28.019 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

Tgt Ion: 173 Resp: 91896
Ion Ratio Lower Upper
173 100
175 47.2 38.9 58.3
254 10.4 7.2 10.8





#60

Isopropylbenzene

Concen: 27.860 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

Instrument :

MSVOA_V

ClientSampleId :

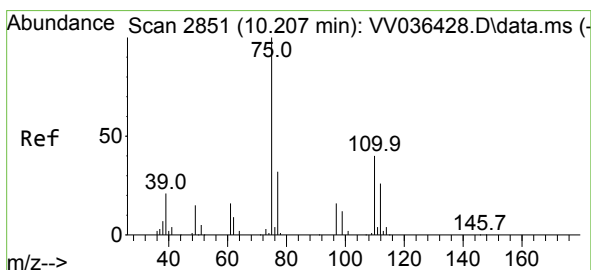
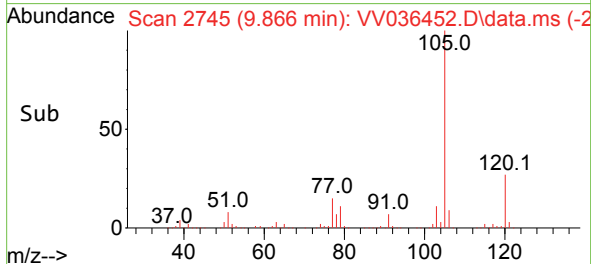
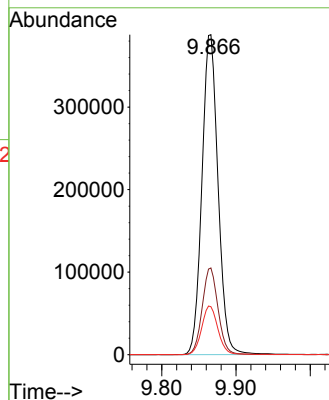
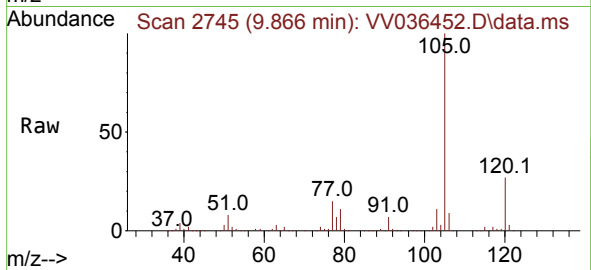
Tgt Ion:105 Resp: 583522

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

77 15.3 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 26.483 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

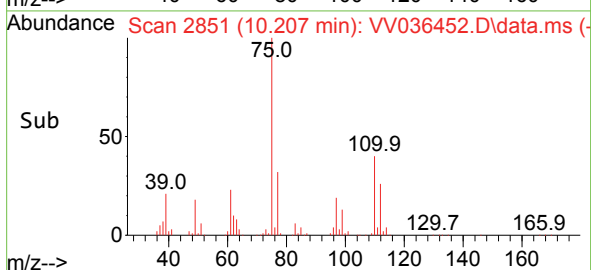
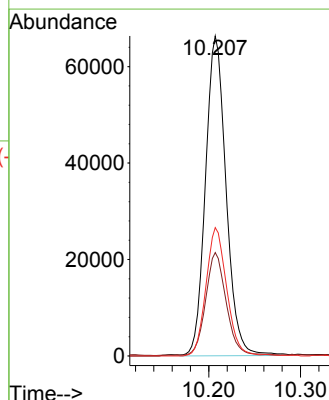
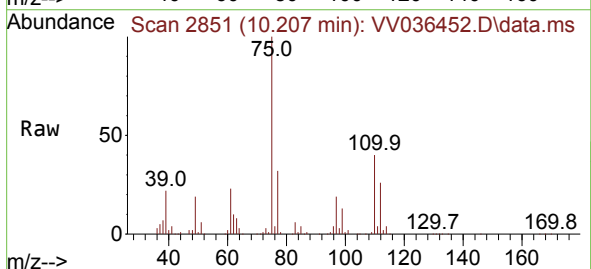
Tgt Ion: 75 Resp: 103553

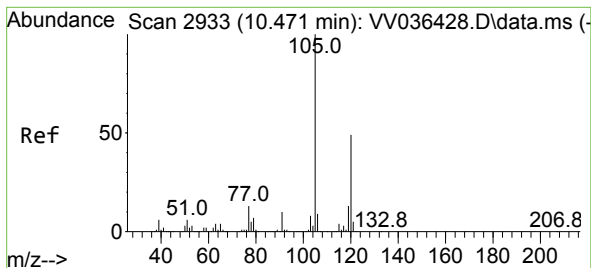
Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

110 40.2 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 26.932 ug/L

RT: 10.474 min Scan# 2933

Delta R.T. 0.003 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

Instrument :

MSVOA_V

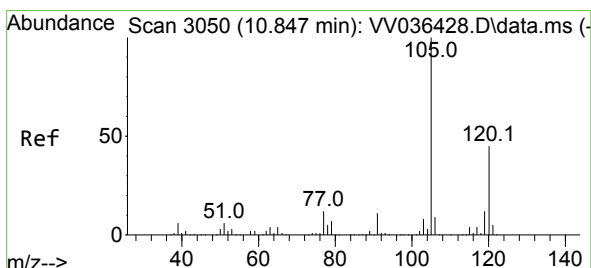
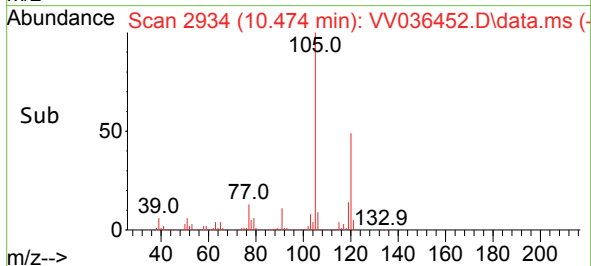
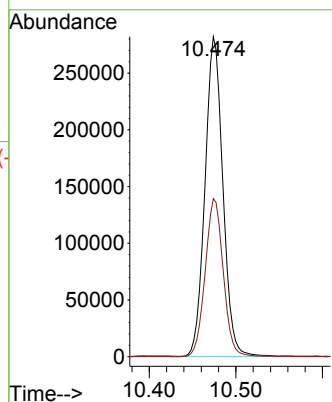
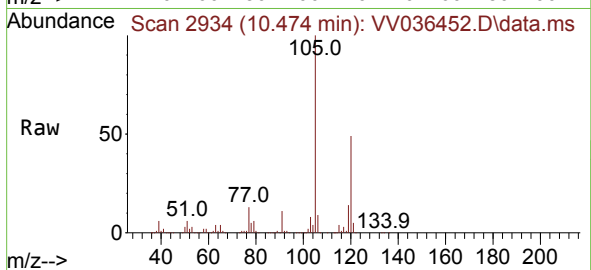
ClientSampleId :

Tgt Ion:105 Resp: 403681

Ion Ratio Lower Upper

105 100

120 50.0 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 27.565 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036452.D

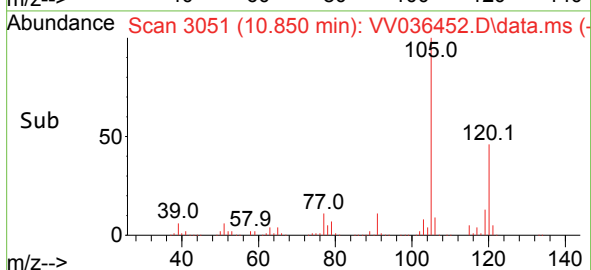
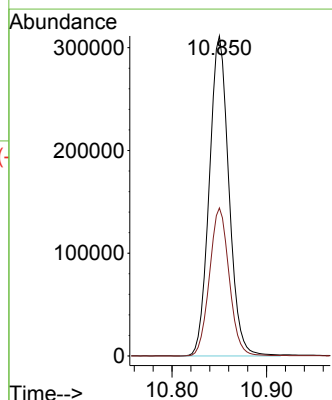
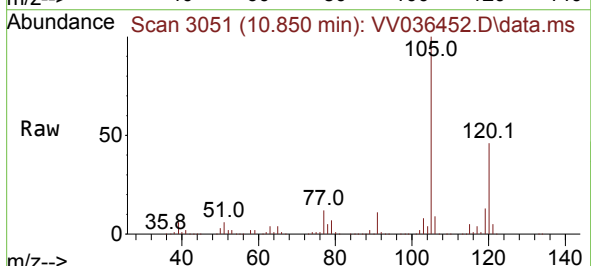
Acq: 03 Jul 2024 18:21

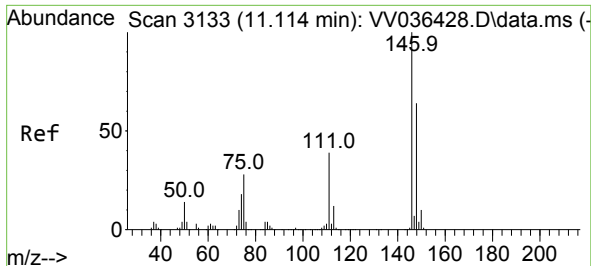
Tgt Ion:105 Resp: 448989

Ion Ratio Lower Upper

105 100

120 46.4 36.2 54.4

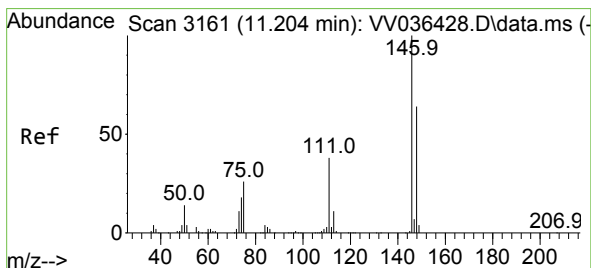
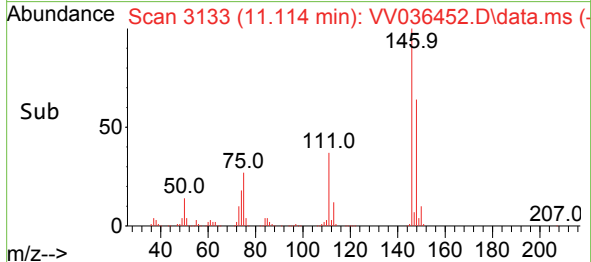
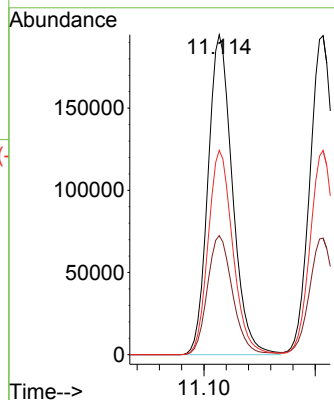
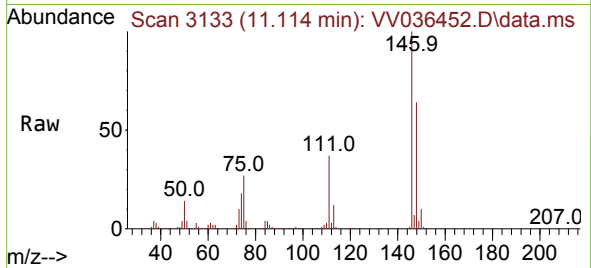




#64
1,3-Dichlorobenzene
Concen: 27.212 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. 0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

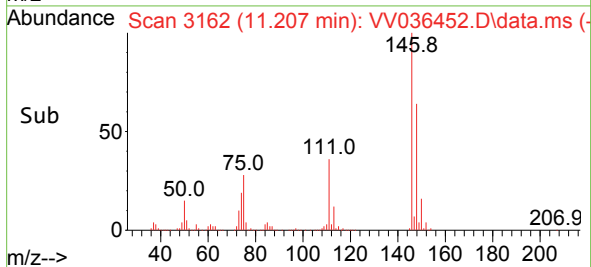
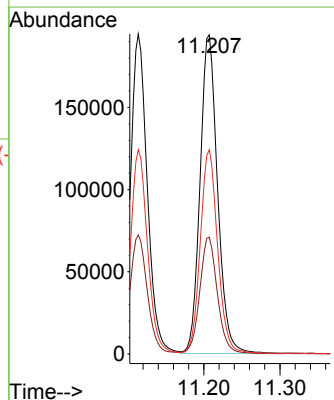
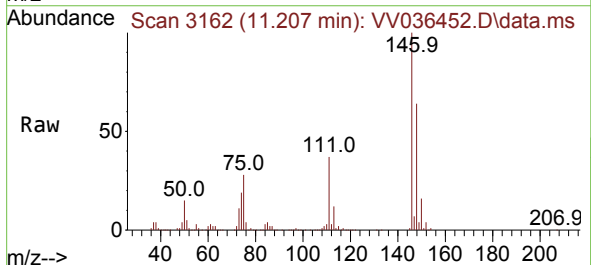
Instrument :
MSVOA_V
ClientSampleId :

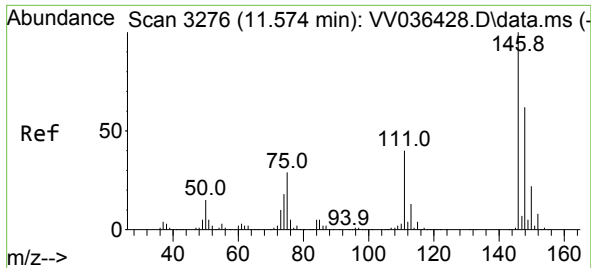
Tgt Ion:146 Resp: 296989
Ion Ratio Lower Upper
146 100
111 37.2 27.5 51.1
148 63.9 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 26.470 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

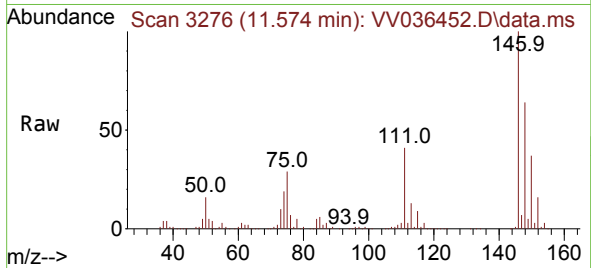
Tgt Ion:146 Resp: 309667
Ion Ratio Lower Upper
146 100
111 36.5 27.5 51.1
148 64.0 44.0 81.8



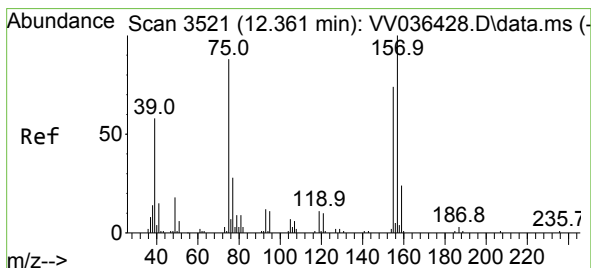
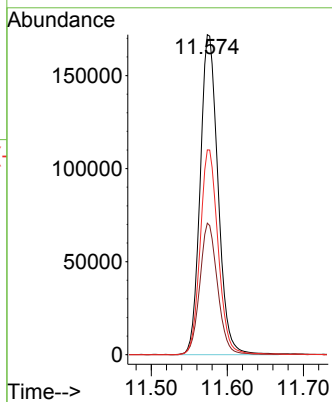
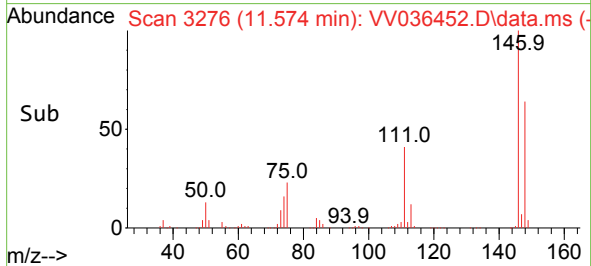


#67
1,2-Dichlorobenzene
Concen: 26.854 ug/L
RT: 11.574 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

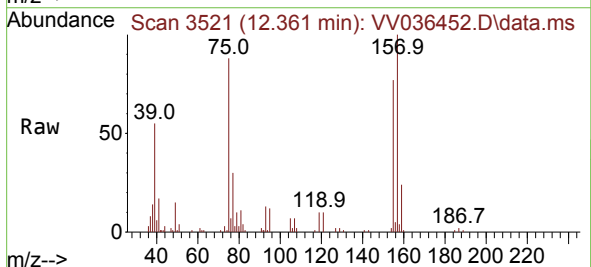
Instrument :
MSVOA_V
ClientSampleId :



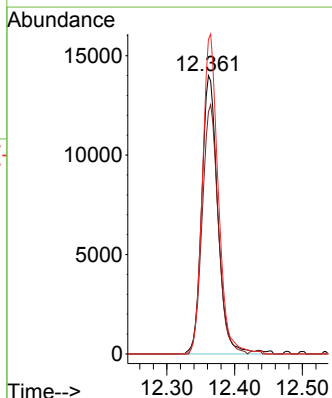
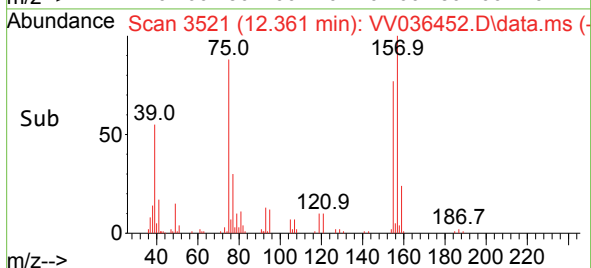
Tgt Ion:146 Resp: 279791
Ion Ratio Lower Upper
146 100
111 41.1 33.3 49.9
148 64.0 51.1 76.7

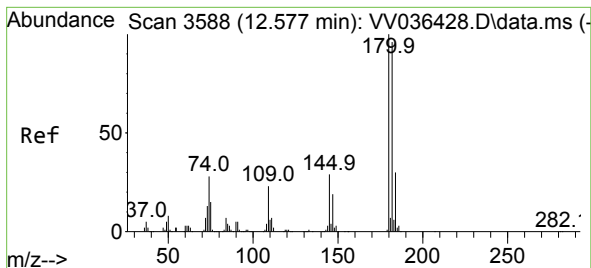


#68
1,2-Dibromo-3-chloropropane
Concen: 26.419 ug/L
RT: 12.361 min Scan# 3521
Delta R.T. 0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21



Tgt Ion: 75 Resp: 23176
Ion Ratio Lower Upper
75 100
155 87.0 68.3 102.5
157 113.0 95.7 143.5





#69

1,3,5-Trichlorobenzene

Concen: 25.263 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

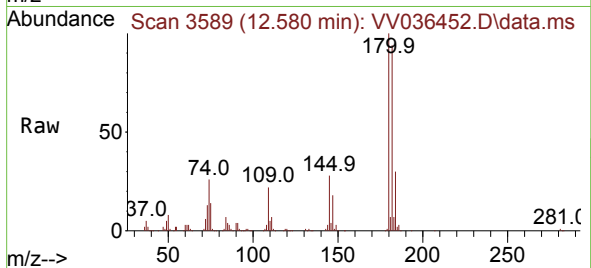
Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 207606

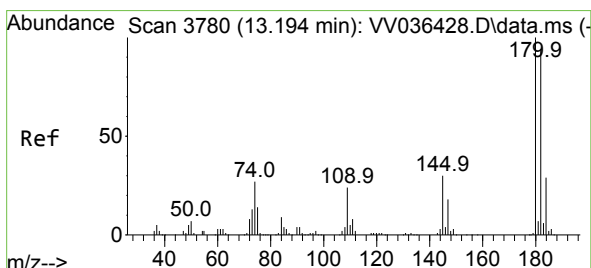
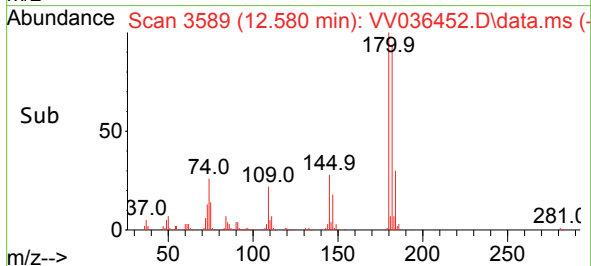
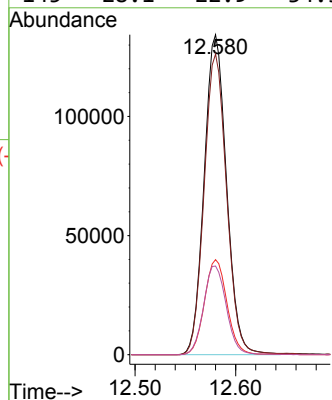
Ion Ratio Lower Upper

180 100

182 94.4 76.2 114.4

184 29.9 23.3 34.9

145 28.1 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 24.665 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV036452.D

Acq: 03 Jul 2024 18:21

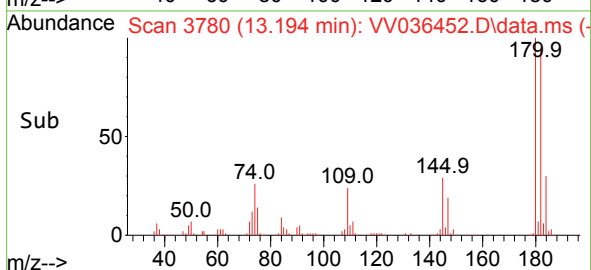
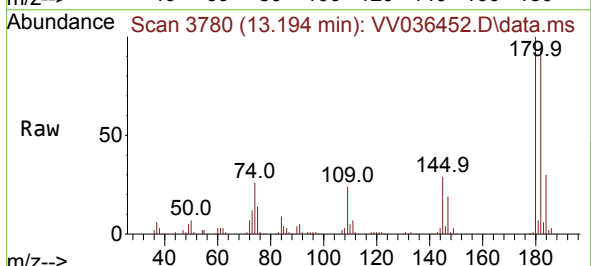
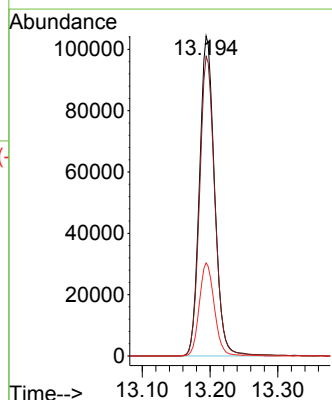
Tgt Ion:180 Resp: 161639

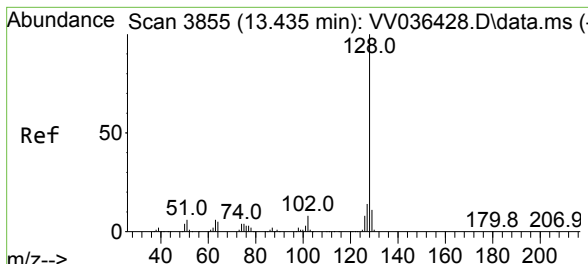
Ion Ratio Lower Upper

180 100

182 93.9 76.1 114.1

145 28.8 23.8 35.8

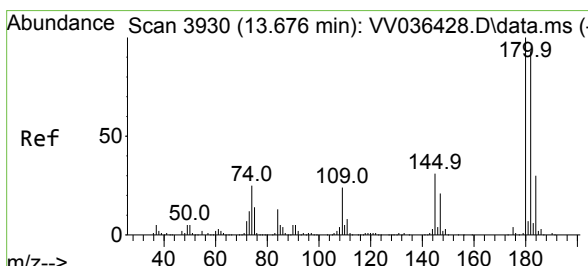
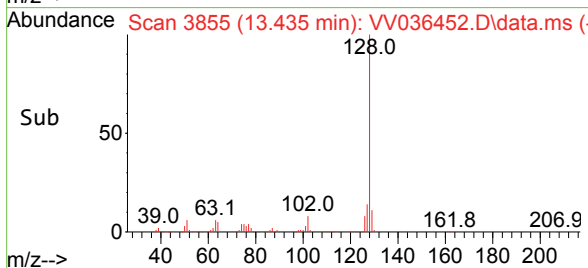
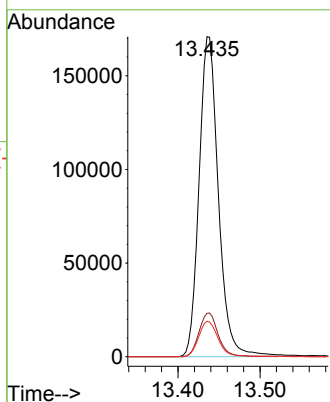
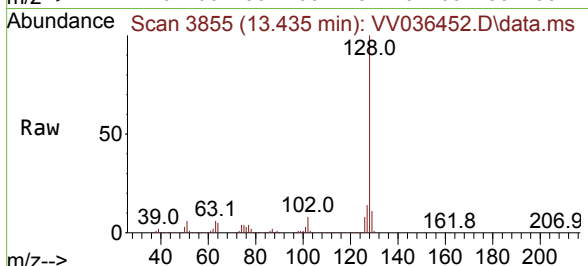




#71
Naphthalene
Concen: 23.908 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. 0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128	Resp: 279355
Ion Ratio	Lower Upper
128	100
127	13.4 10.8 16.2
129	11.1 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 26.638 ug/L
RT: 13.676 min Scan# 3930
Delta R.T. 0.000 min
Lab File: VV036452.D
Acq: 03 Jul 2024 18:21

Tgt Ion:180	Resp: 164155
Ion Ratio	Lower Upper
180	100
182	95.4 76.7 115.1
145	30.7 25.0 37.4

