

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071824\
 Data File : VW036600.D
 Acq On : 18 Jul 2024 10:14
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 19 04:15:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 18 01:25:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	267650	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	285064	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	165090	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	87985	22.945	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.800%
7) Chloroethane-d5	1.526	69	80057	23.879	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.520%
11) 1,1-Dichloroethene-d2	2.050	65	45759	23.239	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.960%
21) 2-Butanone-d5	3.851	46	29191	44.477	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.960%
24) Chloroform-d	4.240	84	197073	25.296	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	4.934	65	92984	24.064	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.240%
32) Benzene-d6	4.950	84	348260	24.488	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.960%
36) 1,2-Dichloropropane-d6	5.982	67	98602	23.264	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.040%
41) Toluene-d8	7.236	98	333744	25.434	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.720%
43) trans-1,3-Dichloroprop...	7.551	79	40771	23.137	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.560%
47) 2-Hexanone-d5	8.030	63	20387	43.309	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.620%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	82088	22.997	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	11.558	152	130161	23.232	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	88958	22.933	ug/L	100
3) Chloromethane	1.211	50	68188	21.905	ug/L	99
5) Vinyl chloride	1.278	62	88961	23.225	ug/L	99
6) Bromomethane	1.484	94	71683	23.194	ug/L	100
8) Chloroethane	1.542	64	62656	23.644	ug/L	98
9) Trichlorofluoromethane	1.706	101	173773	25.561	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	117848	25.708	ug/L	97
12) 1,1-Dichloroethene	2.060	96	98226	24.843	ug/L	91
13) Acetone	2.060	43	1328	1.431	ug/L	83
14) Carbon disulfide	2.230	76	178314	20.086	ug/L	99
15) Methyl Acetate	2.384	43	27711	22.105	ug/L	90
16) Methylene chloride	2.439	84	117386	21.332	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	87839	24.446	ug/L	96
18) Methyl tert-butyl Ether	2.699	73	197718	24.556	ug/L	99
19) 1,1-Dichloroethane	3.101	63	165048	25.377	ug/L	100
20) cis-1,2-Dichloroethene	3.806	96	93453	25.024	ug/L	98
22) 2-Butanone	3.921	43	28074	36.038	ug/L	93
23) Bromochloromethane	4.140	128	56369	26.575	ug/L	96
25) Chloroform	4.265	83	207915	26.923	ug/L	98

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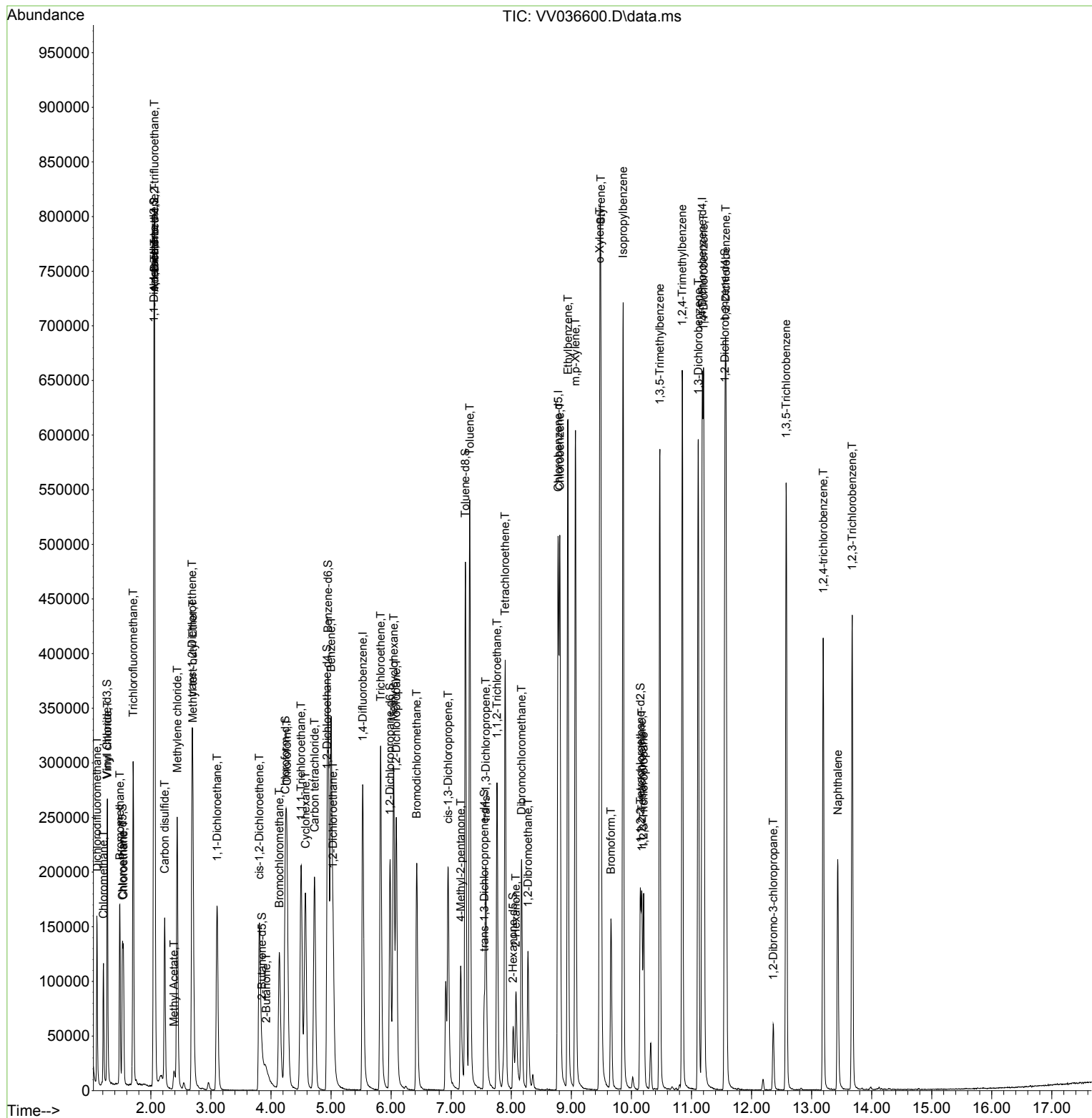
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	119217	27.482	ug/L	100
29) Cyclohexane	4.574	56	80107	22.090	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	174396	26.317	ug/L	99
31) Carbon tetrachloride	4.725	117	153479	26.115	ug/L	99
33) Benzene	5.002	78	364402	25.831	ug/L	100
34) Trichloroethene	5.825	95	111912	24.930	ug/L	98
35) Methylcyclohexane	6.043	83	119749	23.374	ug/L	100
37) 1,2-Dichloropropane	6.085	63	95259	26.757	ug/L	99
38) Bromodichloromethane	6.426	83	144324	25.584	ug/L	97
39) cis-1,3-Dichloropropene	6.950	75	131393	23.933	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	71901	44.441	ug/L	95
42) Toluene	7.310	91	414586	27.735	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	123250	25.179	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	92144	26.265	ug/L	99
46) Tetrachloroethene	7.899	164	93759	25.831	ug/L	99
48) 2-Hexanone	8.079	43	55026	45.850	ug/L	97
49) Dibromochloromethane	8.172	129	113133	26.668	ug/L	100
50) 1,2-Dibromoethane	8.278	107	85279	25.901	ug/L	99
51) Chlorobenzene	8.809	112	287387	25.671	ug/L	97
52) Ethylbenzene	8.944	91	423907	26.437	ug/L	100
53) m,p-Xylene	9.069	106	173818	28.156	ug/L	99
54) o-Xylene	9.474	106	160726	27.345	ug/L	97
55) Styrene	9.490	104	314371	29.894	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	81249	25.363	ug/L	97
59) Bromoform	9.661	173	74163	25.347	ug/L	99
60) Isopropylbenzene	9.863	105	442979	26.859	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	70503	24.003	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	304972	25.821	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	340635	26.505	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	257245	26.384	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	268890	25.684	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	242967	25.932	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	15297	24.070	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	186503	24.704	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	138684	23.098	ug/L	99
71) Naphthalene	13.435	128	179616	19.918	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	135424	23.840	ug/L	99

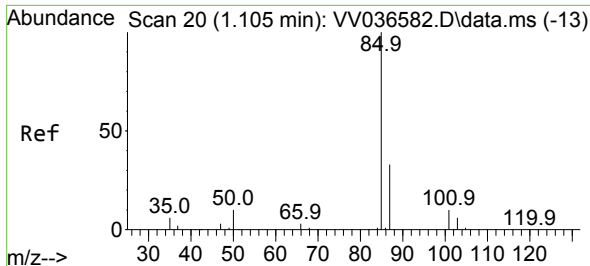
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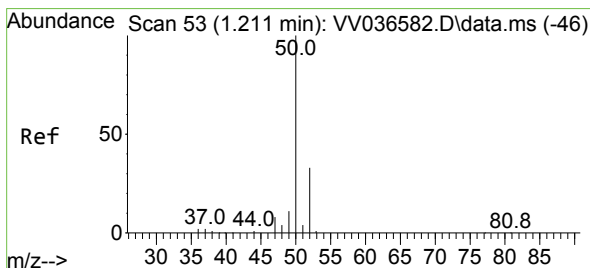
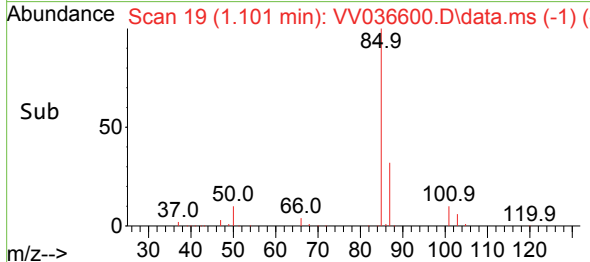
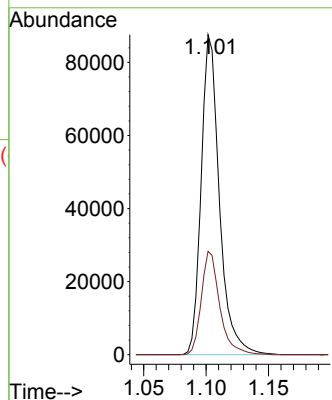
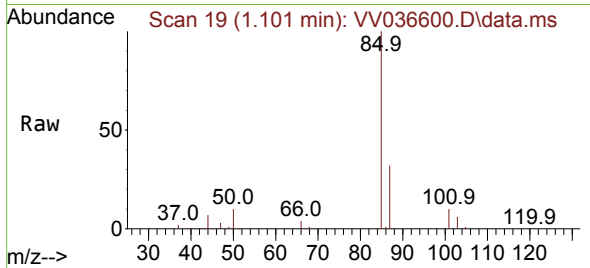




#2
Dichlorodifluoromethane
Concen: 22.933 ug/L
RT: 1.101 min Scan# 19
Delta R.T. -0.003 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

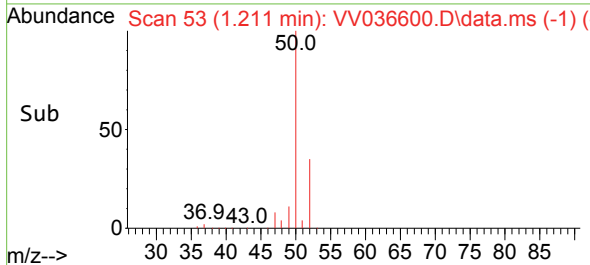
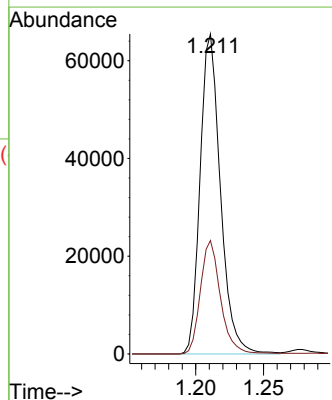
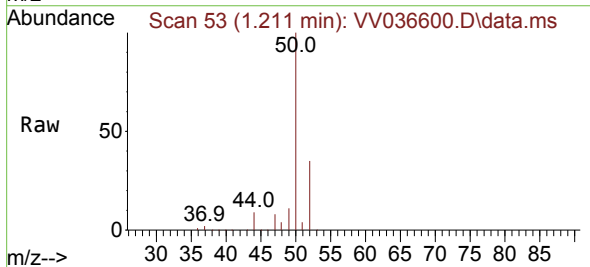
Instrument :
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ClientSampleId :

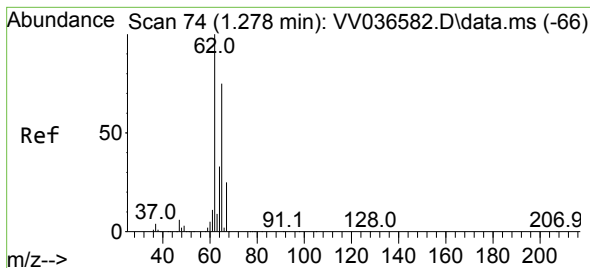
Tgt Ion: 85 Resp: 88958
Ion Ratio Lower Upper
85 100
87 32.6 26.2 39.2



#3
Chloromethane
Concen: 21.905 ug/L
RT: 1.211 min Scan# 53
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

Tgt Ion: 50 Resp: 68188
Ion Ratio Lower Upper
50 100
52 35.4 24.4 45.4

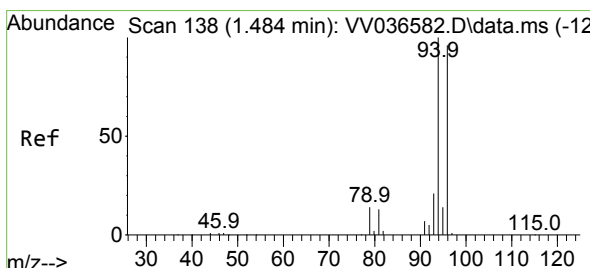
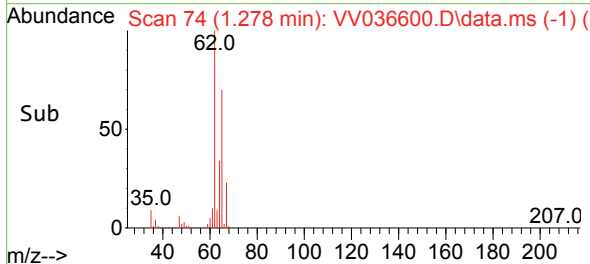
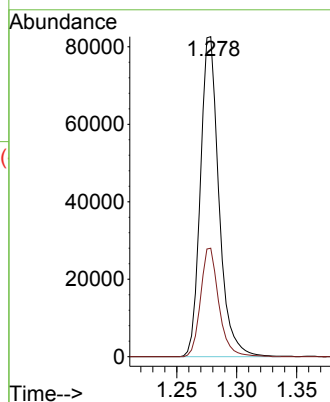
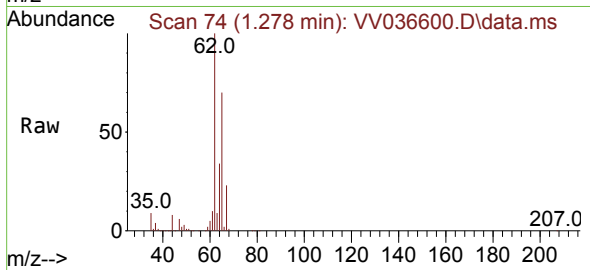




#5
 Vinyl chloride
 Concen: 23.225 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: VV036600.D
 Acq: 18 Jul 2024 10:14

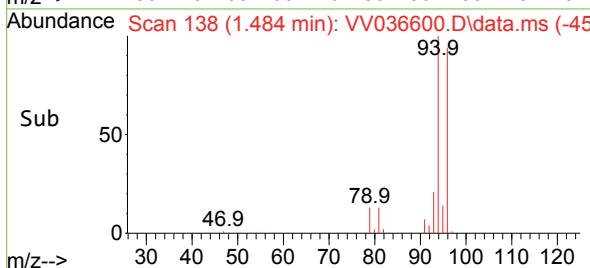
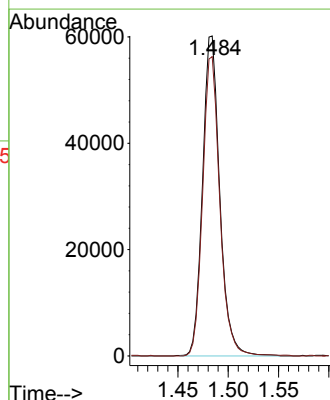
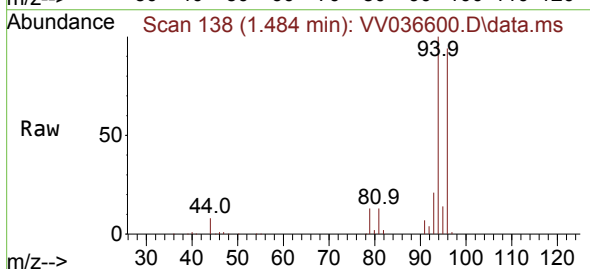
Instrument :
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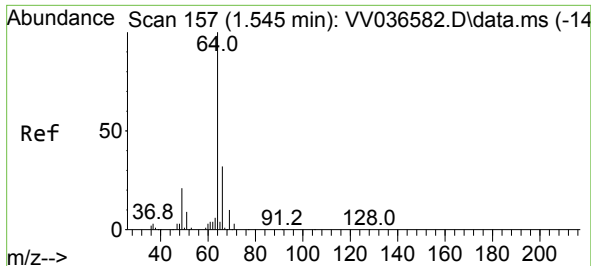
Tgt Ion: 62 Resp: 88961
 Ion Ratio Lower Upper
 62 100
 64 33.9 23.4 43.4



#6
 Bromomethane
 Concen: 23.194 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV036600.D
 Acq: 18 Jul 2024 10:14

Tgt Ion: 94 Resp: 71683
 Ion Ratio Lower Upper
 94 100
 96 93.6 65.6 121.8

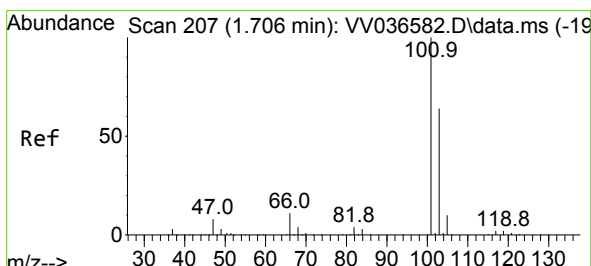
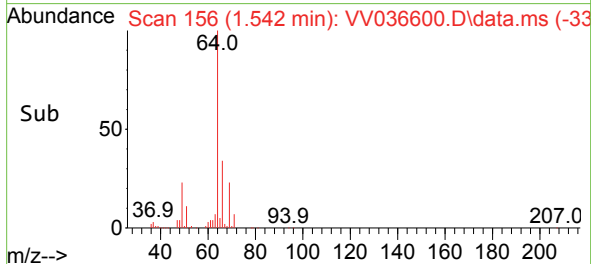
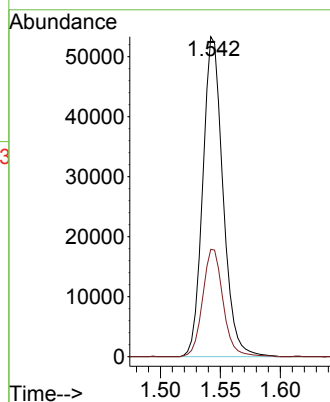
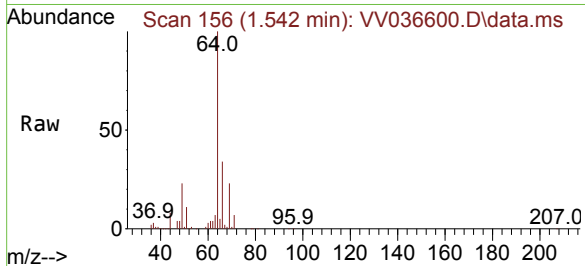




#8
Chloroethane
Concen: 23.644 ug/L
RT: 1.542 min Scan# 157
Delta R.T. -0.003 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

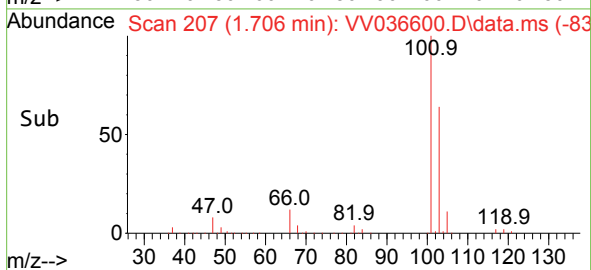
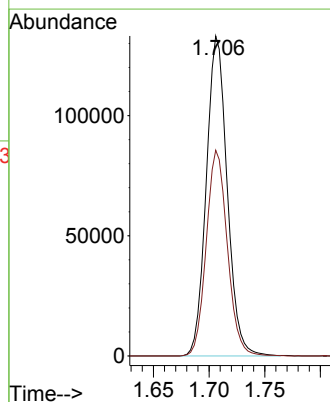
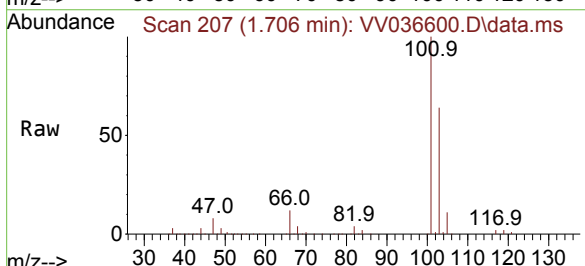
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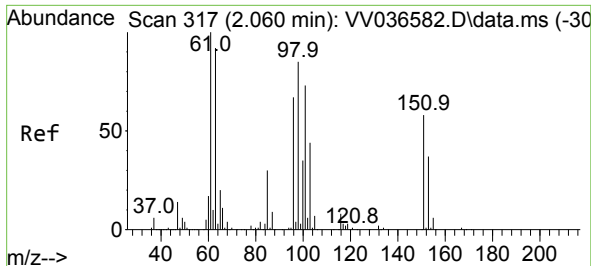
Tgt Ion: 64 Resp: 62656
Ion Ratio Lower Upper
64 100
66 33.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 25.561 ug/L
RT: 1.706 min Scan# 207
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

Tgt Ion:101 Resp: 173773
Ion Ratio Lower Upper
101 100
103 65.0 51.9 77.9

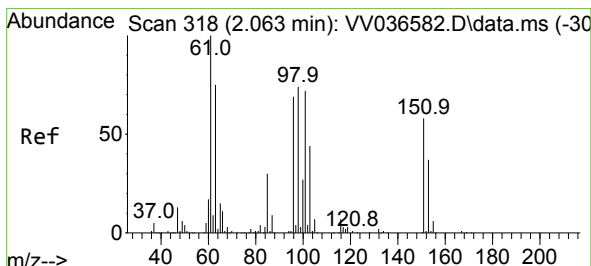
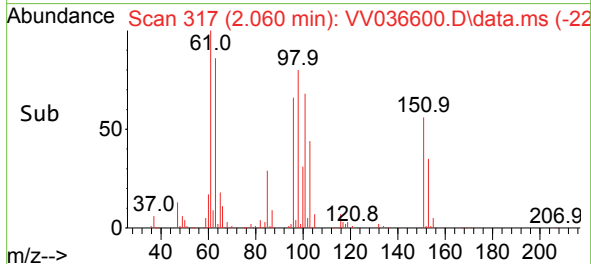
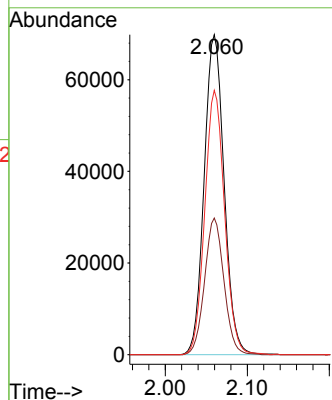
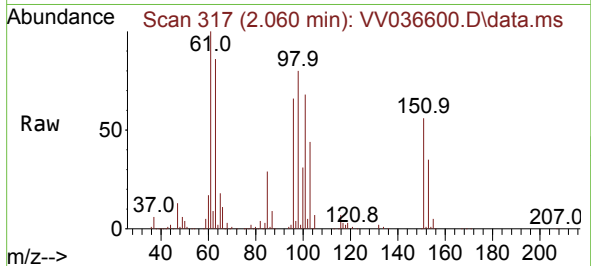




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 25.708 ug/L
RT: 2.060 min Scan# 317
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

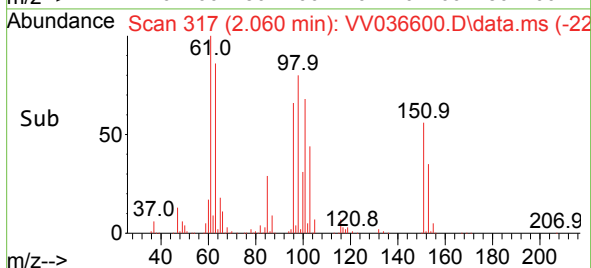
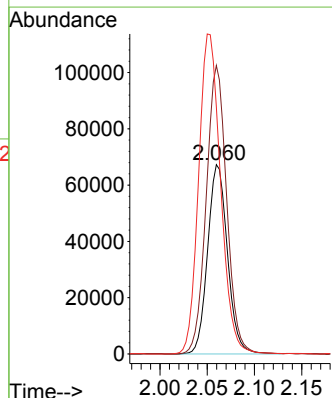
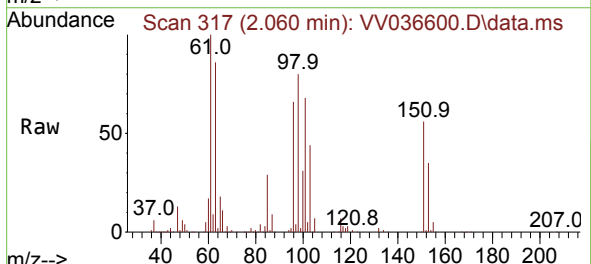
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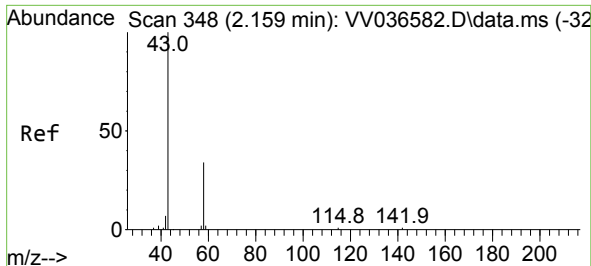
Tgt Ion:101 Resp: 117848
Ion Ratio Lower Upper
101 100
85 41.5 32.5 48.7
151 82.2 62.6 94.0



#12
1,1-Dichloroethene
Concen: 24.843 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

Tgt Ion: 96 Resp: 98226
Ion Ratio Lower Upper
96 100
61 152.4 110.8 205.8
63 130.5 103.9 192.9





#13

Acetone

Concen: 1.431 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.100 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

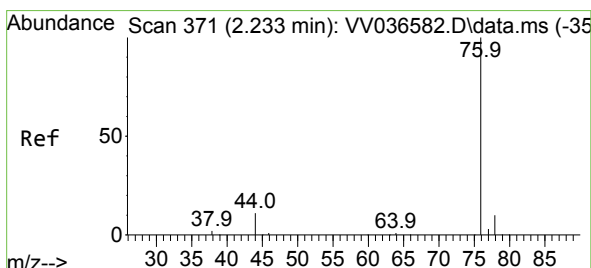
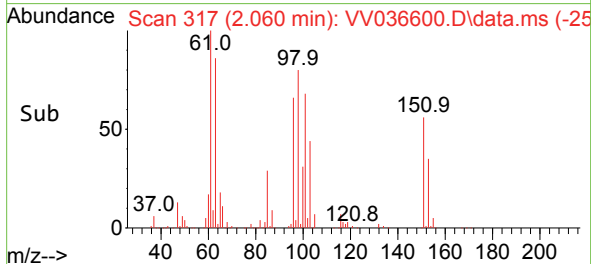
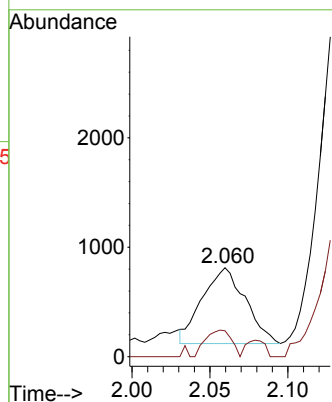
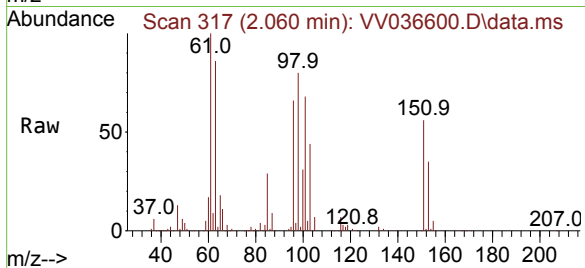
ClientSampleId :

Tgt Ion: 43 Resp: 1328

Ion Ratio Lower Upper

43 100

58 21.0 0.0 28.4



#14

Carbon disulfide

Concen: 20.086 ug/L

RT: 2.230 min Scan# 370

Delta R.T. -0.003 min

Lab File: VV036600.D

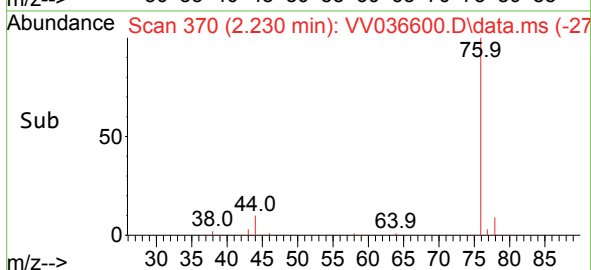
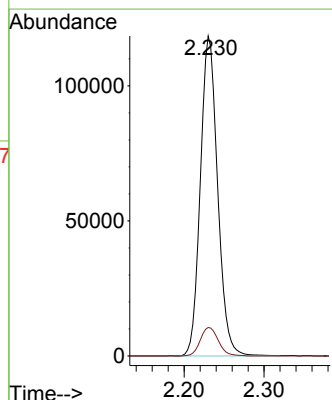
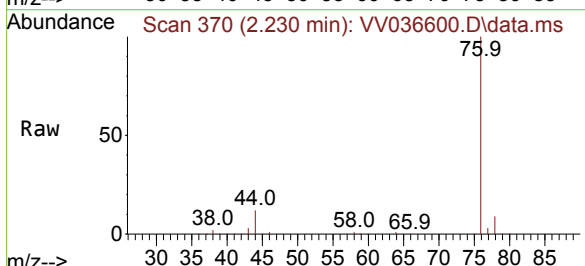
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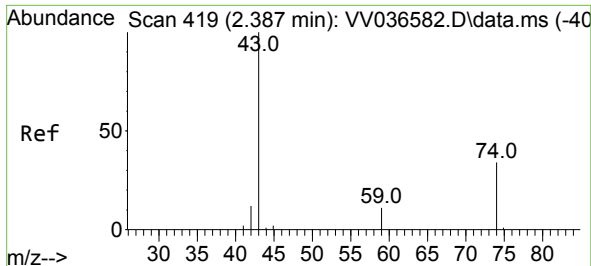
Tgt Ion: 76 Resp: 178314

Ion Ratio Lower Upper

76 100

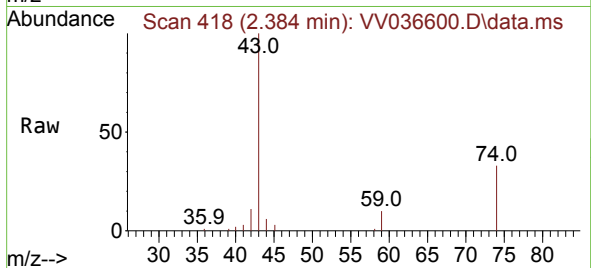
78 8.9 7.4 11.2



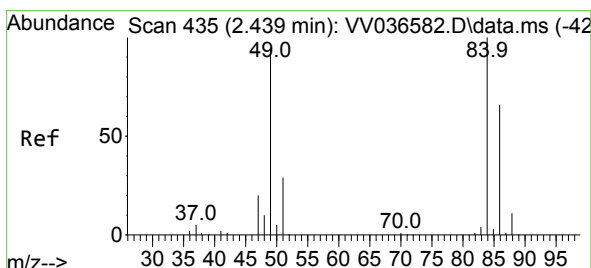
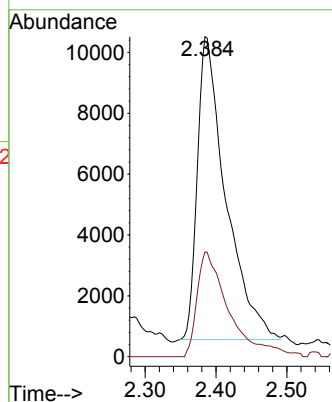
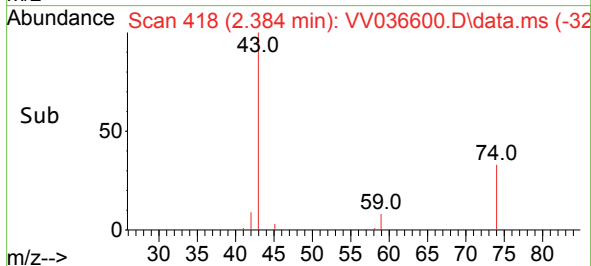


#15
Methyl Acetate
Concen: 22.105 ug/L
RT: 2.384 min Scan# 419
Delta R.T. -0.003 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

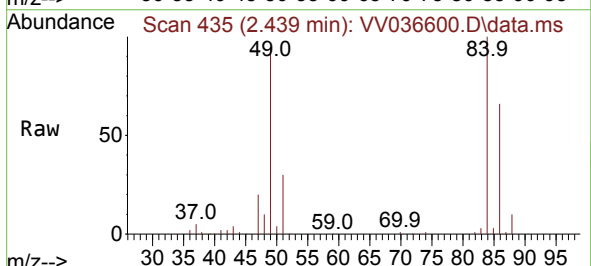
Instrument :
MSVOA_V
ClientSampleId :



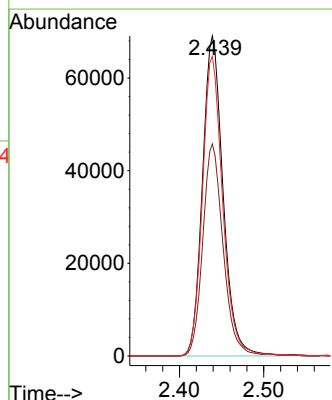
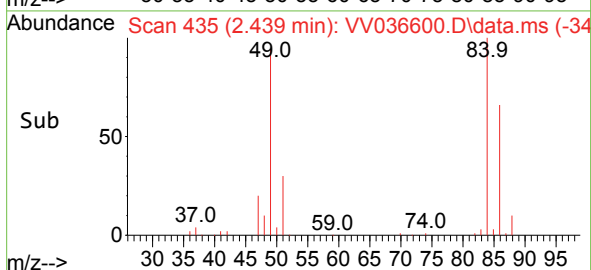
Tgt Ion: 43 Resp: 27711
Ion Ratio Lower Upper
43 100
74 38.5 26.3 39.5

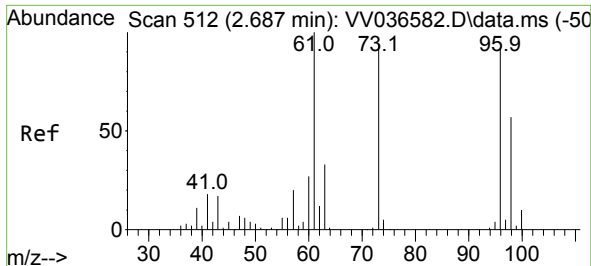


#16
Methylene chloride
Concen: 21.332 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14



Tgt Ion: 84 Resp: 117386
Ion Ratio Lower Upper
84 100
86 66.3 46.3 86.1
49 93.6 68.1 126.5





#17

trans-1,2-Dichloroethene

Concen: 24.446 ug/L

RT: 2.687 min Scan# 512

Delta R.T. 0.000 min

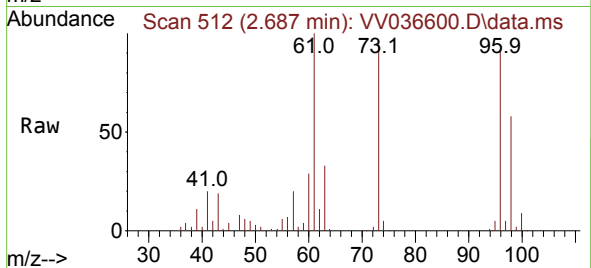
Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

ClientSampleId :



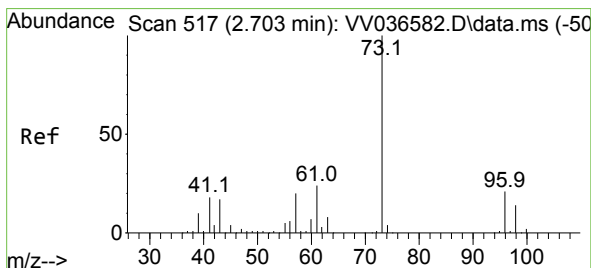
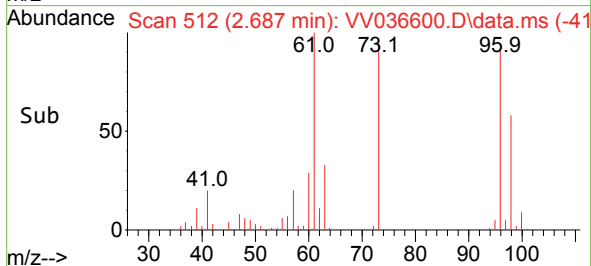
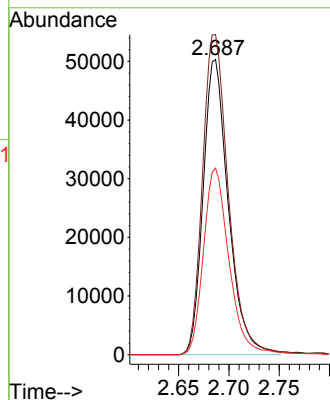
Tgt Ion: 96 Resp: 87839

Ion Ratio Lower Upper

96 100

61 108.4 80.7 149.9

98 63.2 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 24.556 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

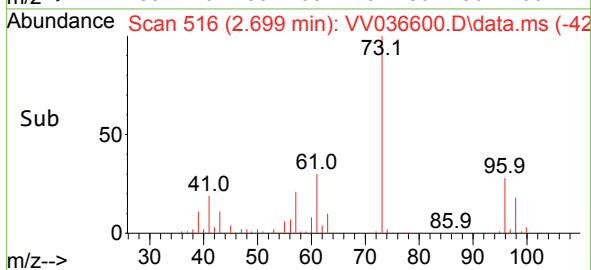
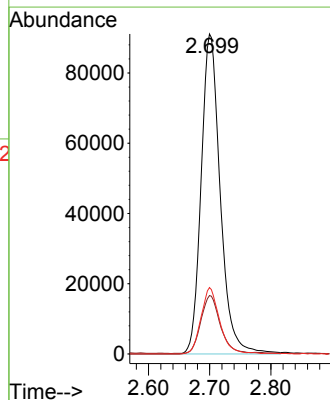
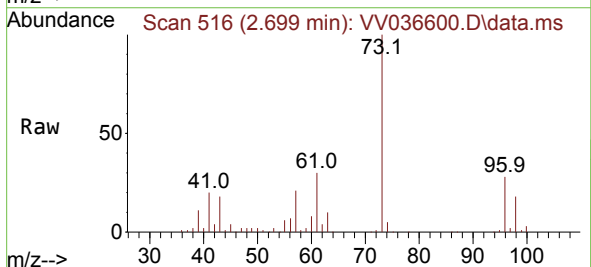
Tgt Ion: 73 Resp: 197718

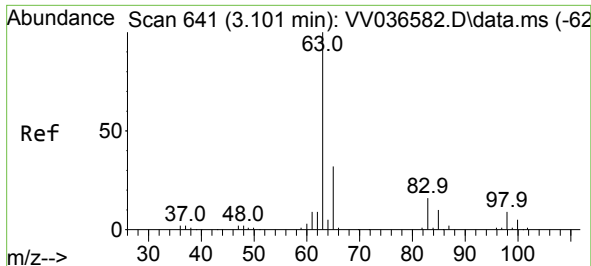
Ion Ratio Lower Upper

73 100

43 18.1 14.3 21.5

57 20.1 16.5 24.7





#19

1,1-Dichloroethane

Concen: 25.377 ug/L

RT: 3.101 min Scan# 641

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

ClientSampleId :

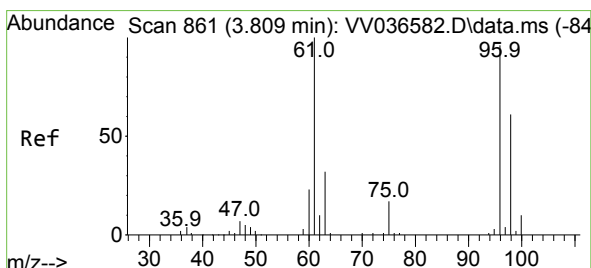
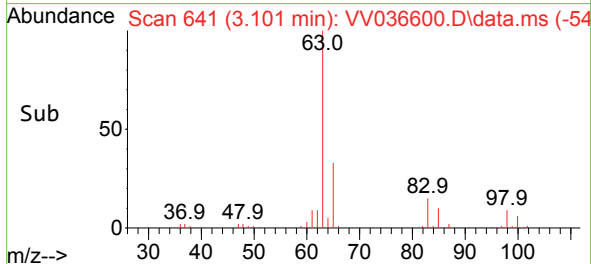
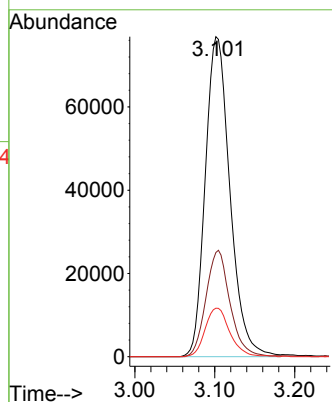
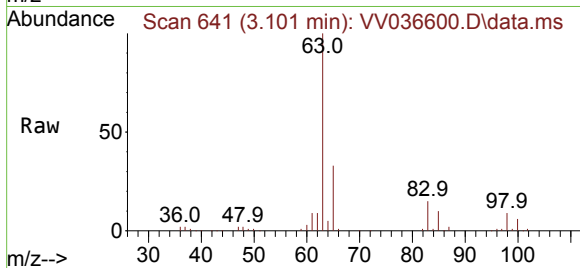
Tgt Ion: 63 Resp: 165048

Ion Ratio Lower Upper

63 100

65 32.6 22.7 42.1

83 15.2 10.9 20.2



#20

cis-1,2-Dichloroethene

Concen: 25.024 ug/L

RT: 3.806 min Scan# 860

Delta R.T. -0.003 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

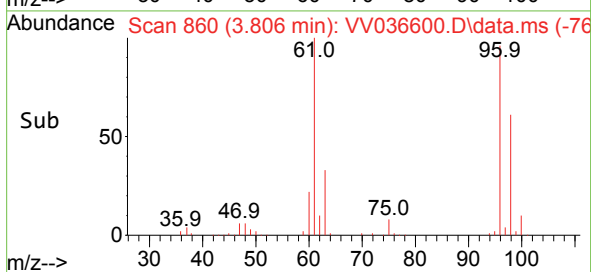
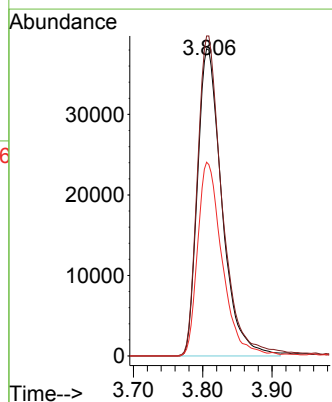
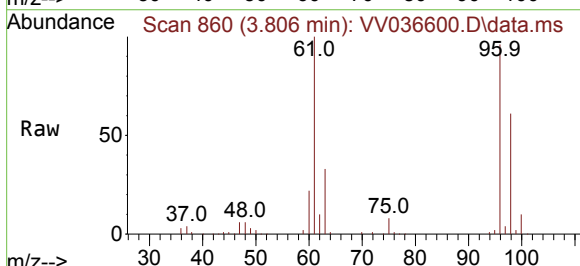
Tgt Ion: 96 Resp: 93453

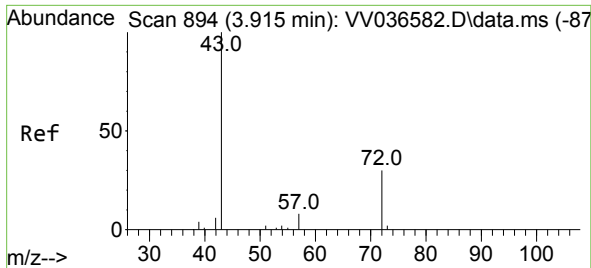
Ion Ratio Lower Upper

96 100

61 104.2 74.8 138.8

98 63.0 45.2 84.0

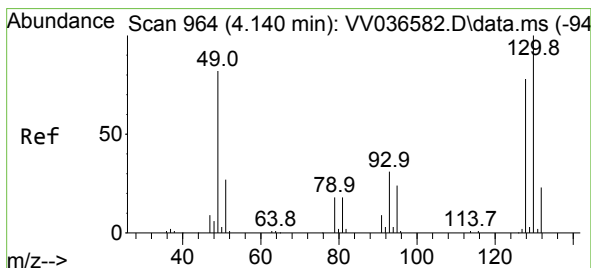
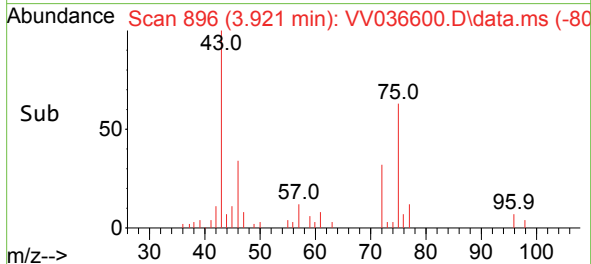
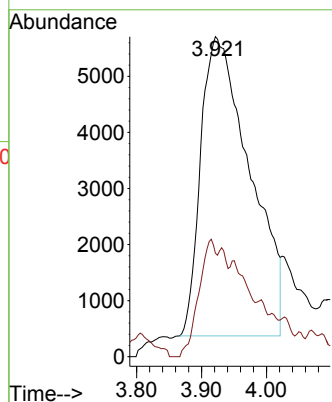
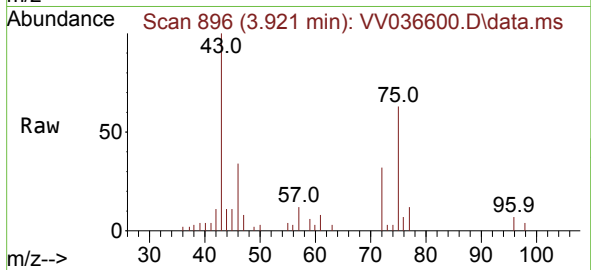




#22
2-Butanone
Concen: 36.038 ug/L
RT: 3.921 min Scan# 894
Delta R.T. 0.007 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

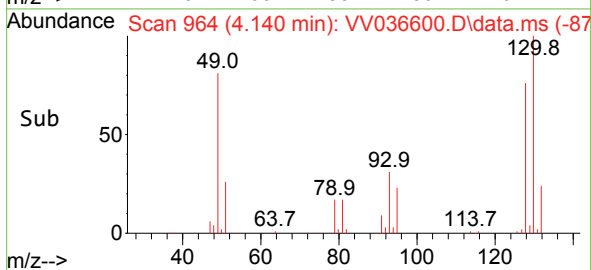
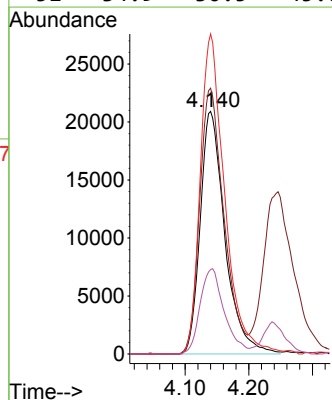
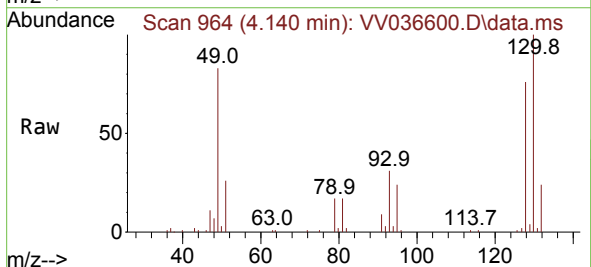
Instrument :
MSVOA_V
ClientSampleId :

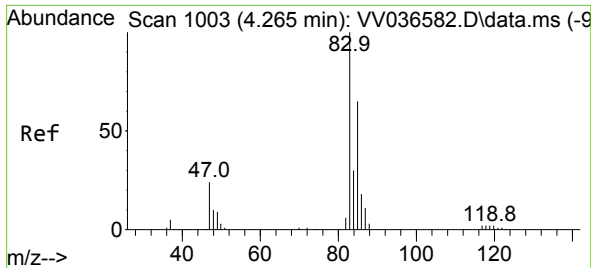
Tgt Ion: 43 Resp: 28074
Ion Ratio Lower Upper
43 100
72 14.3 5.9 17.6



#23
Bromochloromethane
Concen: 26.575 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

Tgt Ion: 128 Resp: 56369
Ion Ratio Lower Upper
128 100
49 109.6 80.7 149.9
130 131.9 89.9 167.0
51 34.9 30.5 45.7

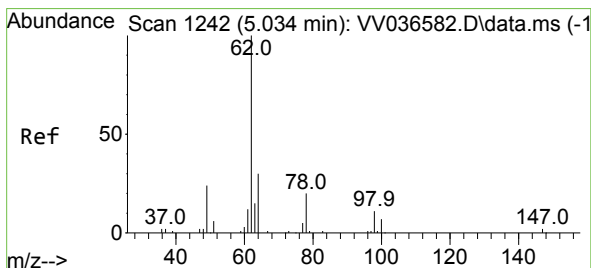
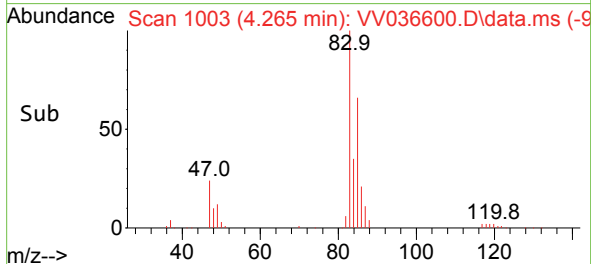
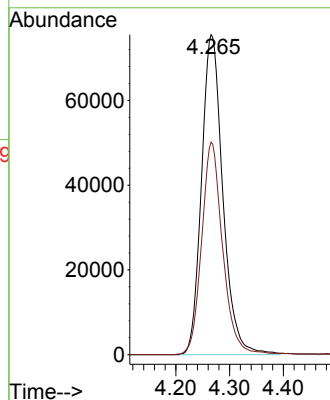
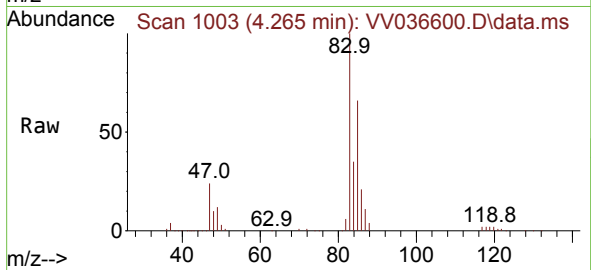




#25
Chloroform
Concen: 26.923 ug/L
RT: 4.265 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

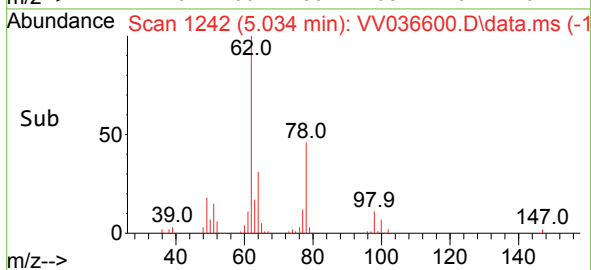
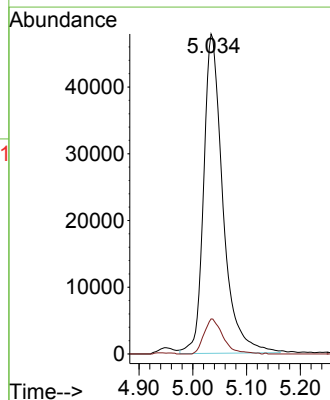
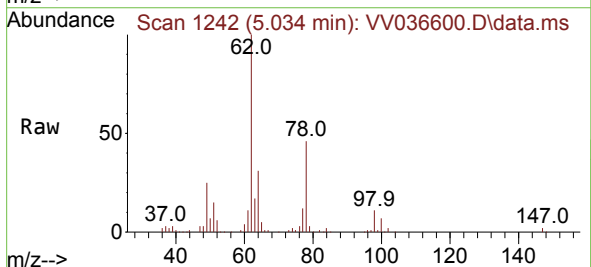
Instrument :
MSVOA_V
ClientSampleId :

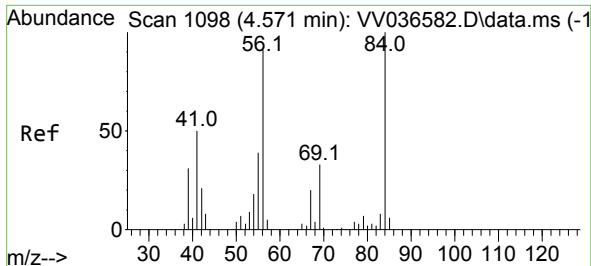
Tgt Ion: 83 Resp: 207915
Ion Ratio Lower Upper
83 100
85 66.4 45.6 84.6



#27
1,2-Dichloroethane
Concen: 27.482 ug/L
RT: 5.034 min Scan# 1242
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

Tgt Ion: 62 Resp: 119217
Ion Ratio Lower Upper
62 100
98 10.9 8.9 13.3





#29

Cyclohexane

Concen: 22.090 ug/L

RT: 4.574 min Scan# 1098

Delta R.T. 0.003 min

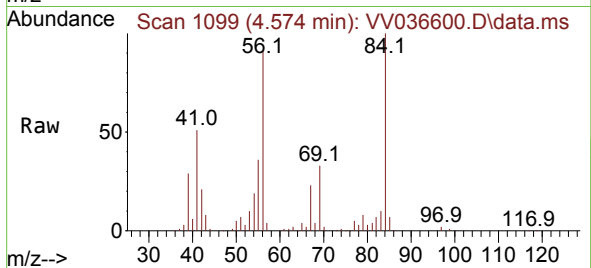
Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

ClientSampleId :



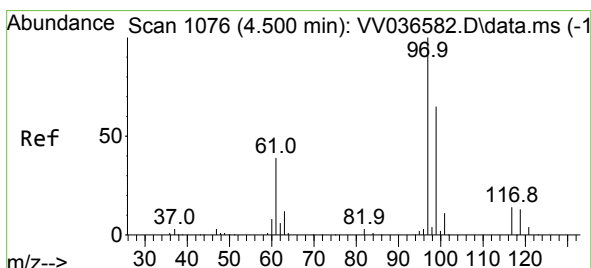
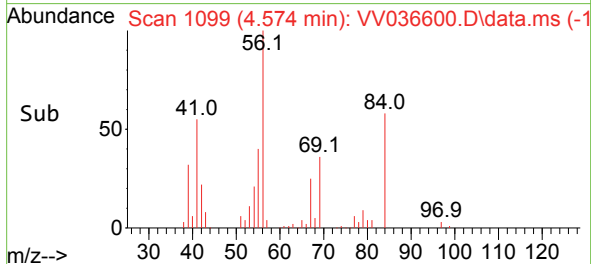
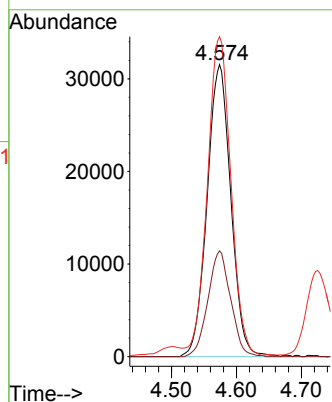
Tgt Ion: 56 Resp: 80107

Ion Ratio Lower Upper

56 100

69 34.6 27.6 41.4

84 108.1 85.4 128.2



#30

1,1,1-Trichloroethane

Concen: 26.317 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

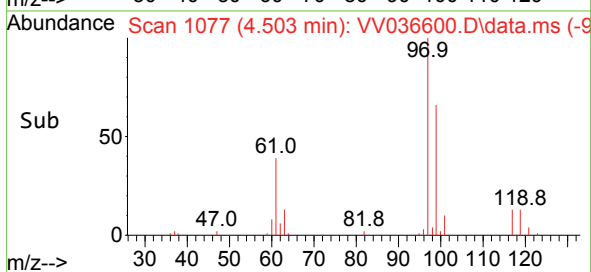
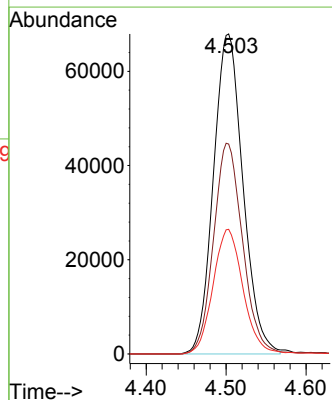
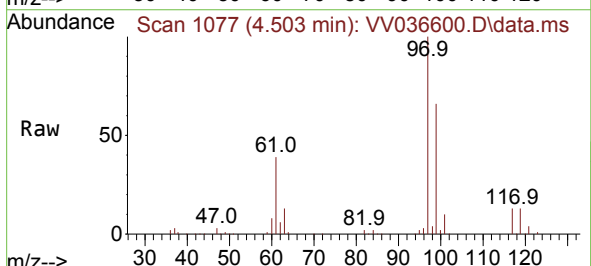
Tgt Ion: 97 Resp: 174396

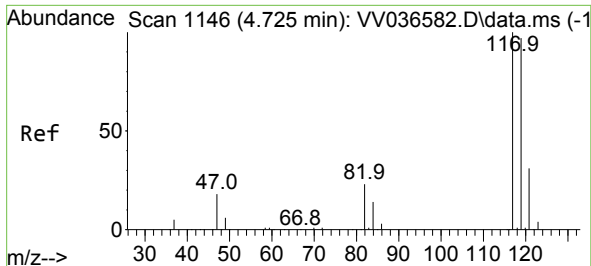
Ion Ratio Lower Upper

97 100

99 64.7 51.9 77.9

61 39.4 32.2 48.4

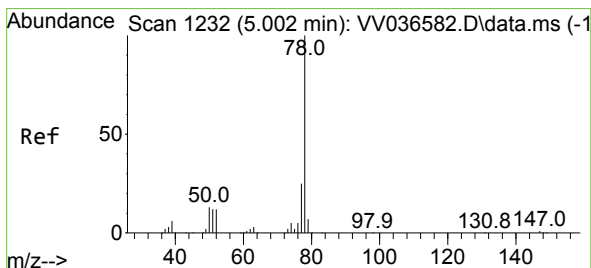
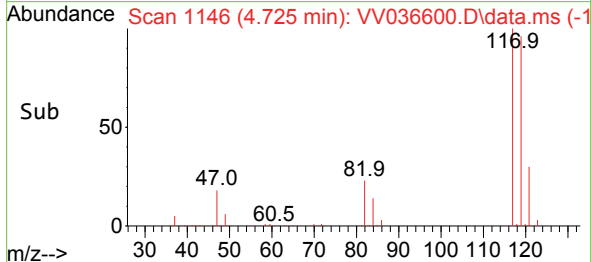
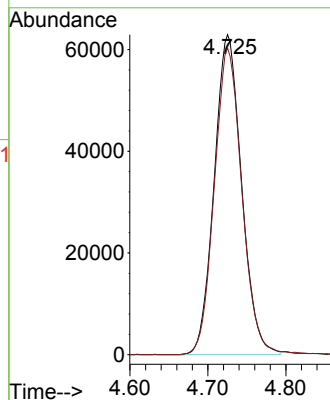
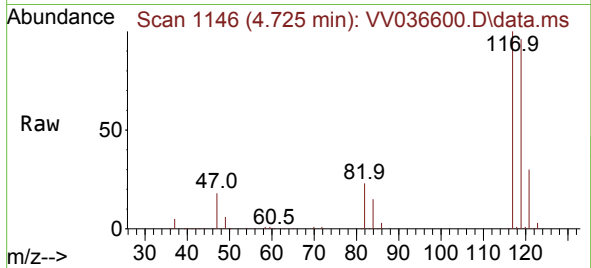




#31
Carbon tetrachloride
Concen: 26.115 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

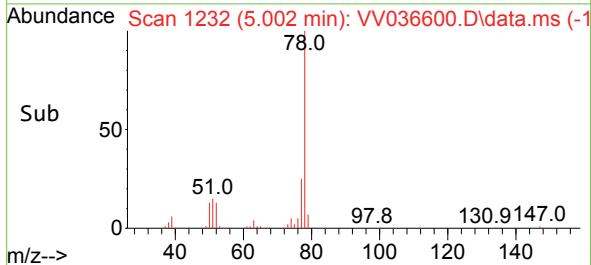
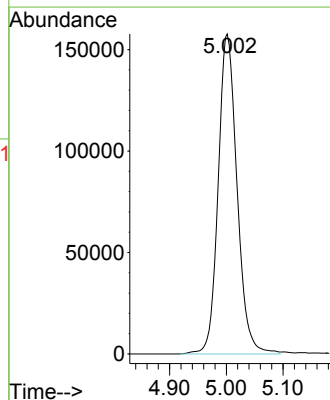
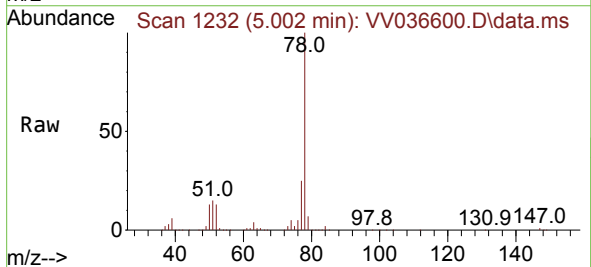
Instrument :
MSVOA_V
ClientSampleId :

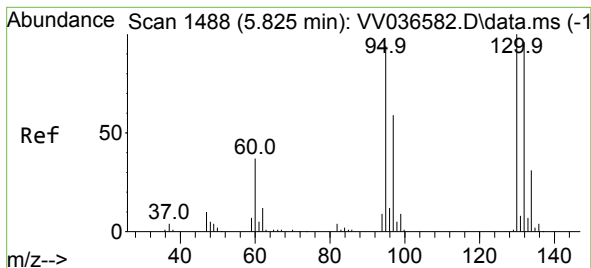
Tgt Ion:117 Resp: 153479
Ion Ratio Lower Upper
117 100
119 96.4 77.6 116.4



#33
Benzene
Concen: 25.831 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

Tgt Ion: 78 Resp: 364402





#34

Trichloroethene

Concen: 24.930 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 111912

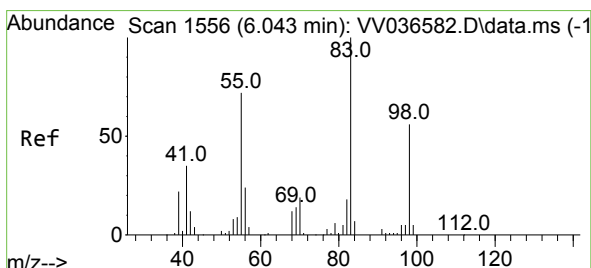
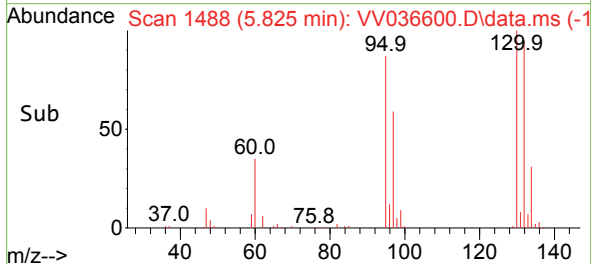
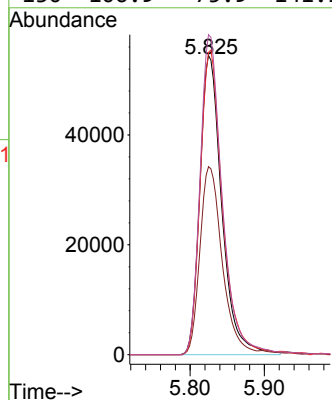
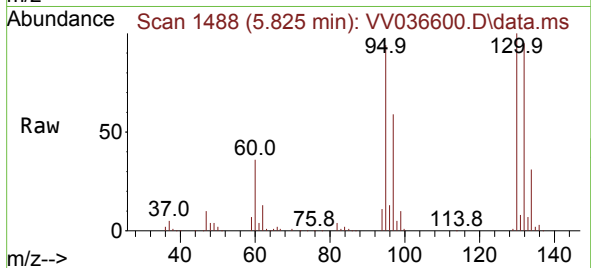
Ion Ratio Lower Upper

95 100

97 62.9 44.4 82.4

132 101.1 73.0 135.6

130 106.9 75.9 141.1



#35

Methylcyclohexane

Concen: 23.374 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

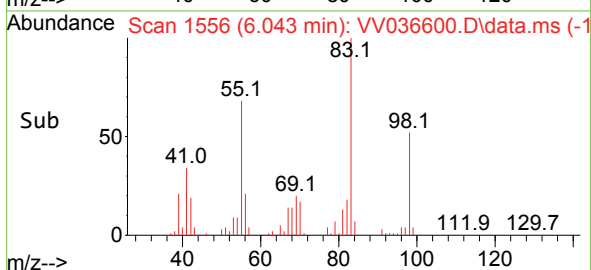
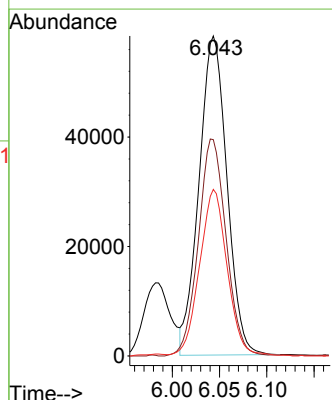
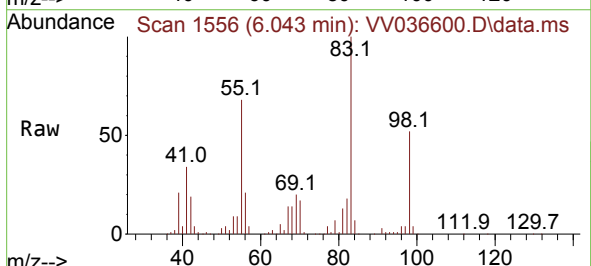
Tgt Ion: 83 Resp: 119749

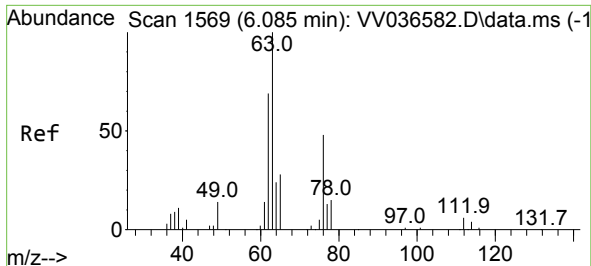
Ion Ratio Lower Upper

83 100

55 67.6 54.3 81.5

98 51.7 41.7 62.5





#37

1,2-Dichloropropane

Concen: 26.757 ug/L

RT: 6.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

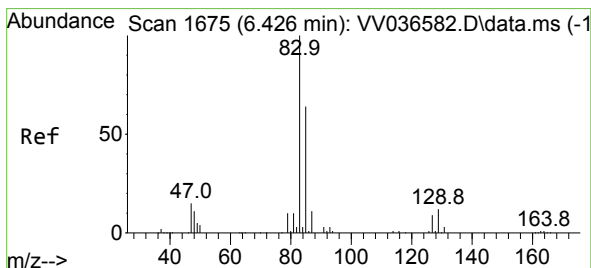
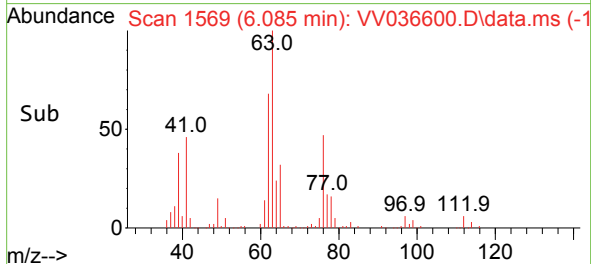
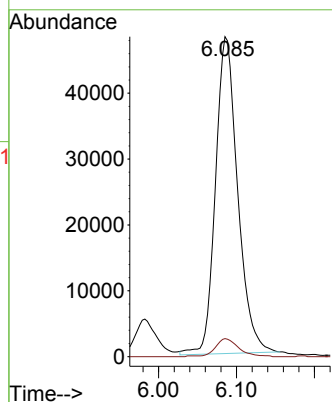
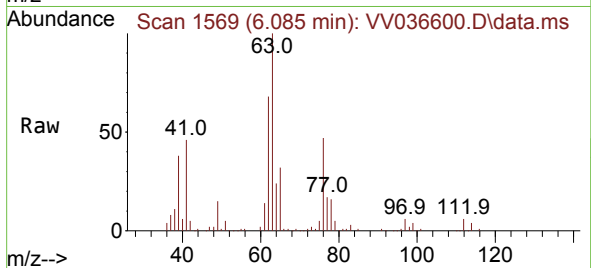
ClientSampleId :

Tgt Ion: 63 Resp: 95259

Ion Ratio Lower Upper

63 100

112 5.9 4.5 6.7



#38

Bromodichloromethane

Concen: 25.584 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

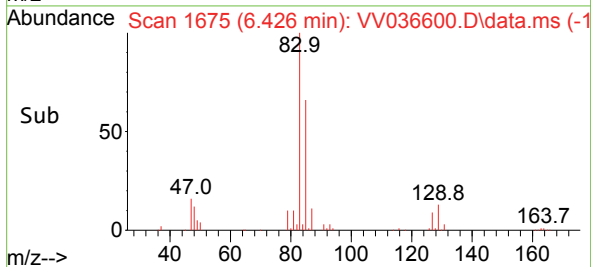
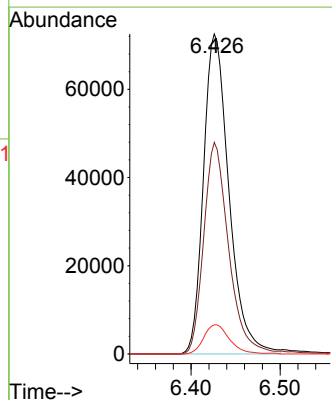
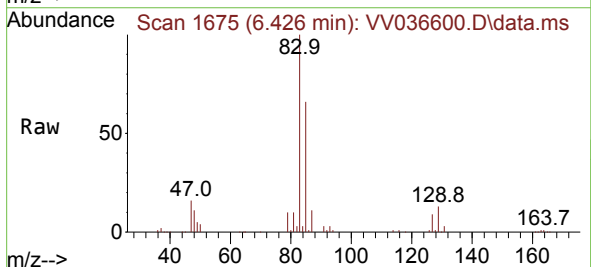
Tgt Ion: 83 Resp: 144324

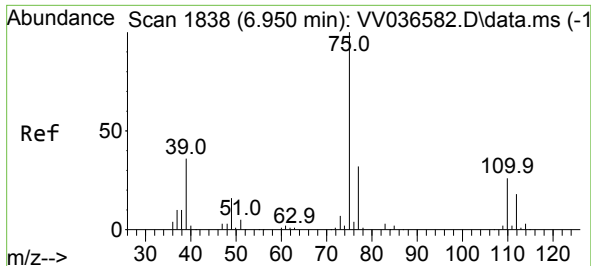
Ion Ratio Lower Upper

83 100

85 66.1 44.3 82.3

127 9.1 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 23.933 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

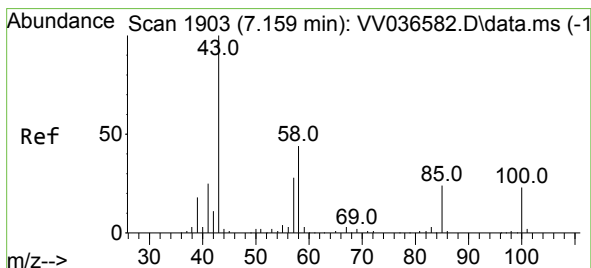
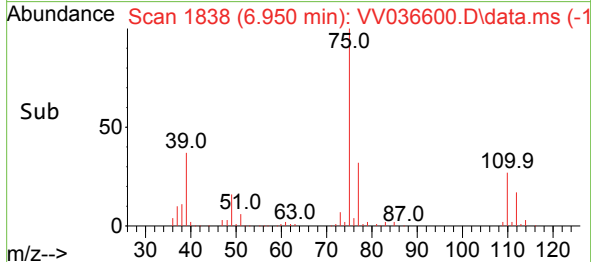
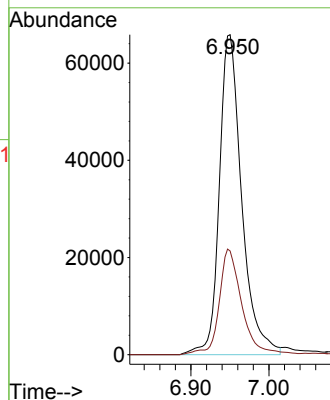
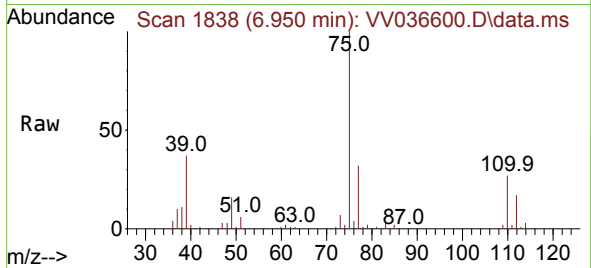
ClientSampleId :

Tgt Ion: 75 Resp: 131393

Ion Ratio Lower Upper

75 100

77 32.4 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 44.441 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

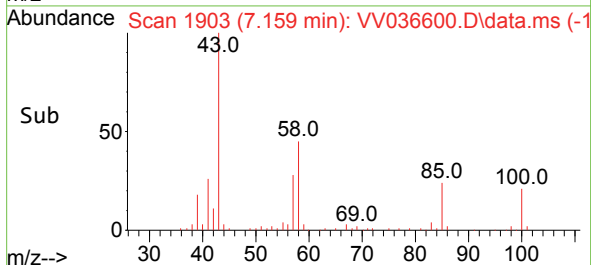
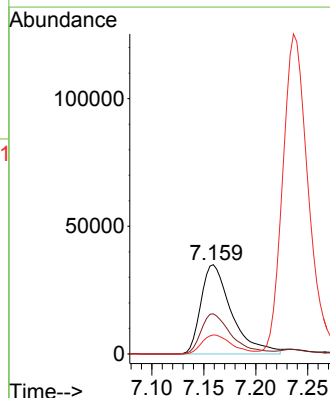
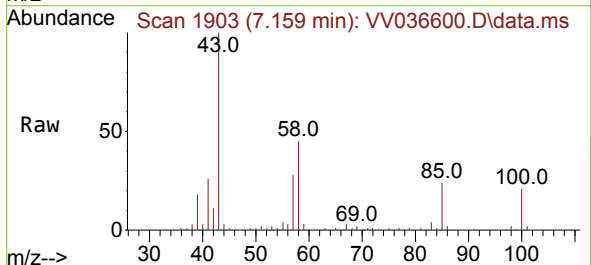
Tgt Ion: 43 Resp: 71901

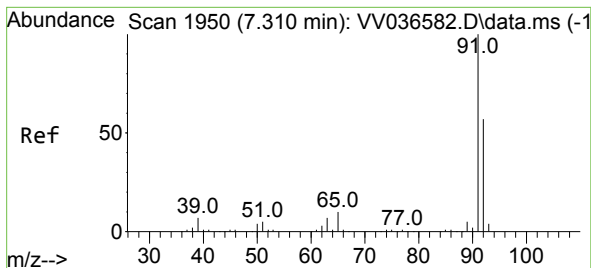
Ion Ratio Lower Upper

43 100

58 44.6 32.9 49.3

100 20.9 15.5 23.3





#42

Toluene

Concen: 27.735 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

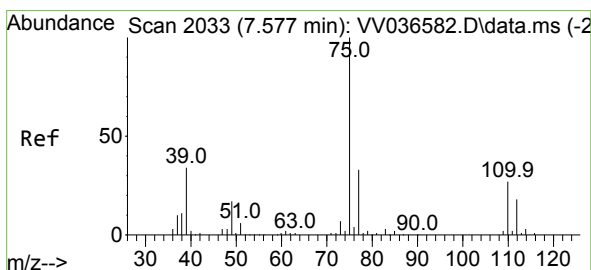
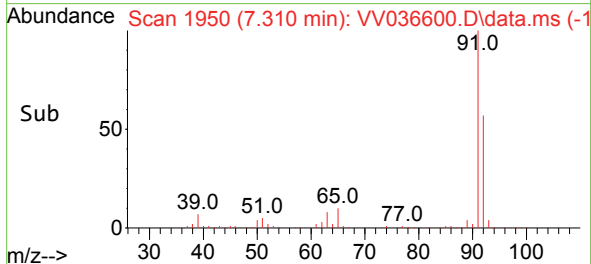
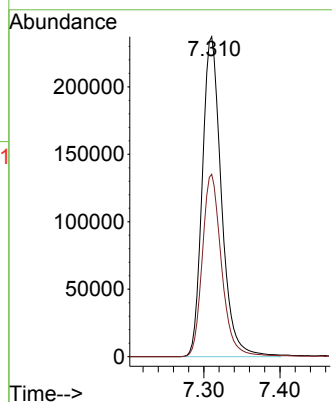
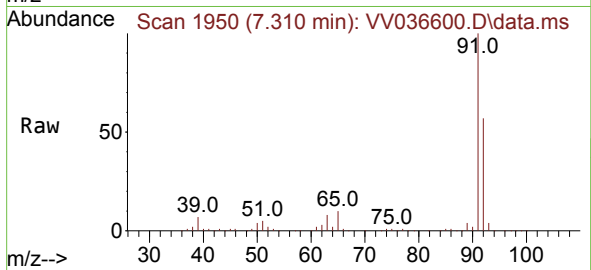
ClientSampleId :

Tgt Ion: 91 Resp: 414586

Ion Ratio Lower Upper

91 100

92 57.0 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 25.179 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV036600.D

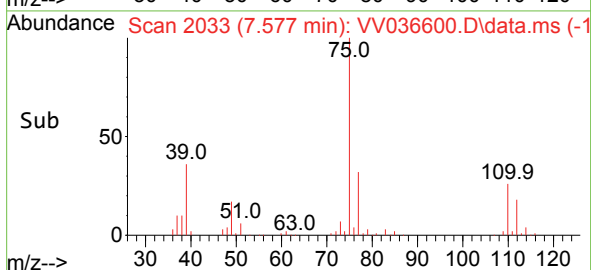
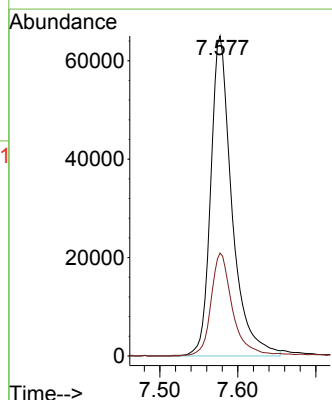
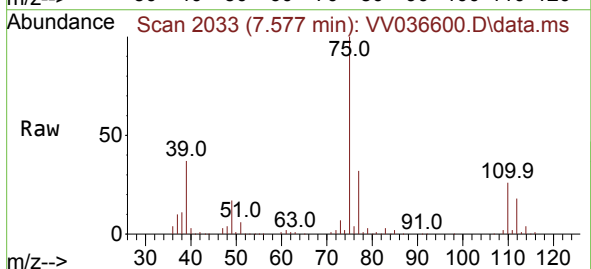
Acq: 18 Jul 2024 10:14

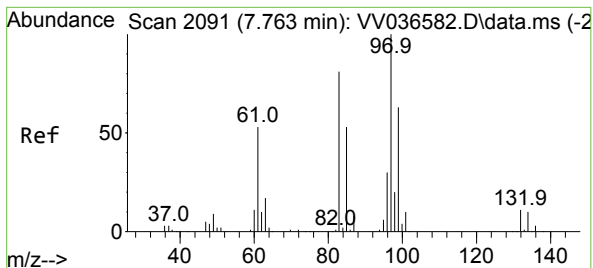
Tgt Ion: 75 Resp: 123250

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 26.265 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 92144

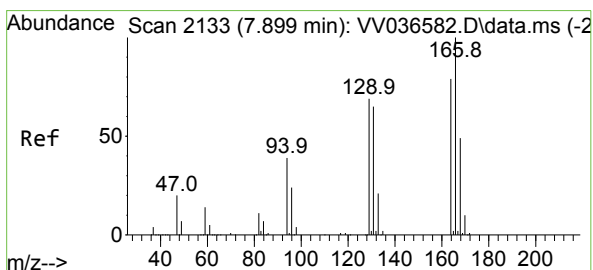
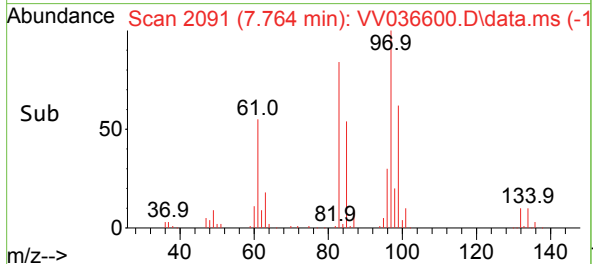
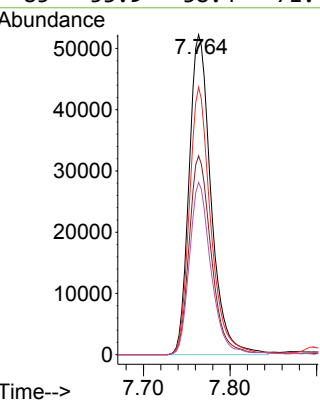
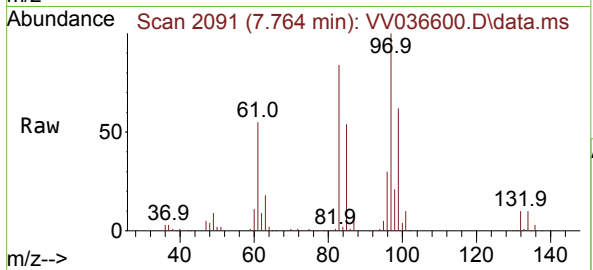
Ion Ratio Lower Upper

97 100

99 62.1 42.6 79.2

83 83.5 58.0 107.6

85 53.9 38.4 71.4



#46

Tetrachloroethene

Concen: 25.831 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Tgt Ion:164 Resp: 93759

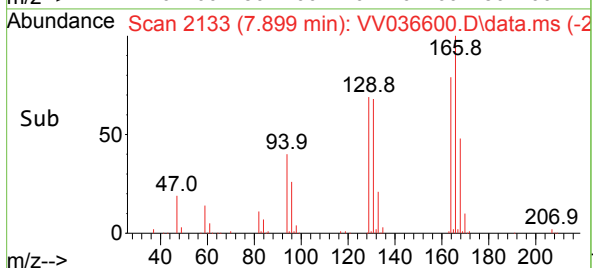
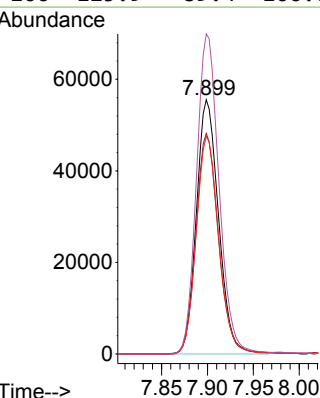
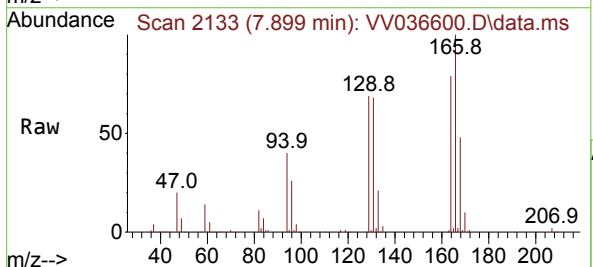
Ion Ratio Lower Upper

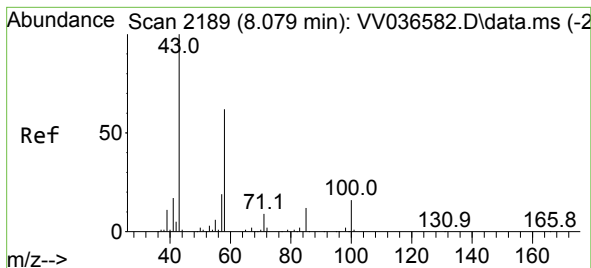
164 100

129 86.8 61.0 113.4

131 85.6 59.8 111.1

166 125.9 89.4 166.0





#48

2-Hexanone

Concen: 45.850 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

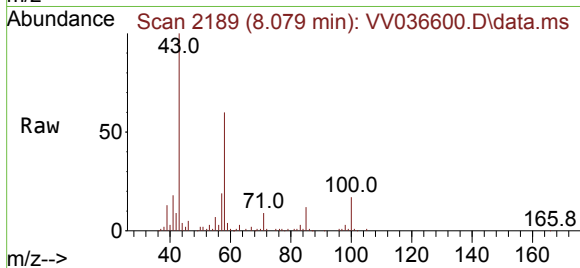
Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 55026

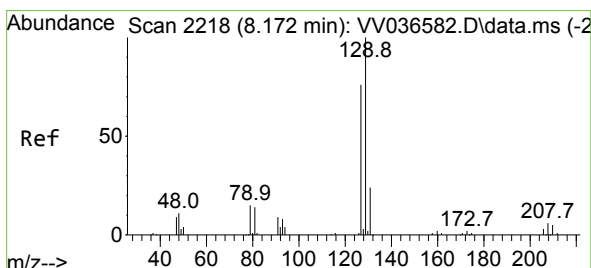
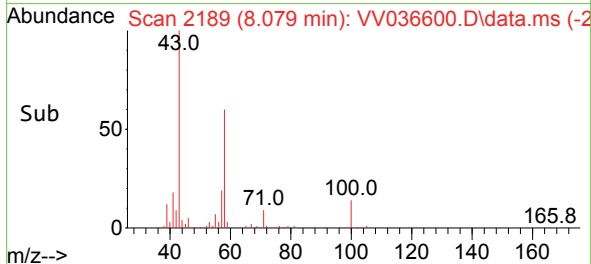
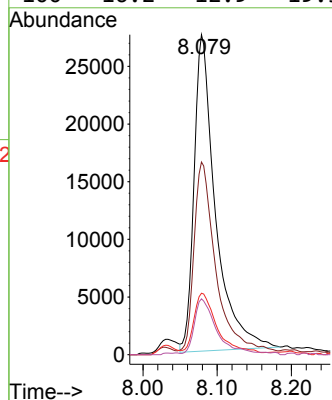
Ion Ratio Lower Upper

43 100

58 59.7 49.5 74.3

57 21.7 15.3 22.9

100 16.2 12.9 19.3



#49

Dibromochloromethane

Concen: 26.668 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV036600.D

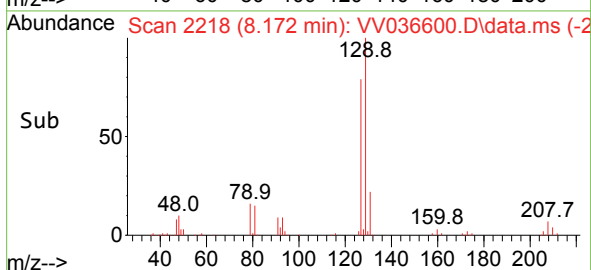
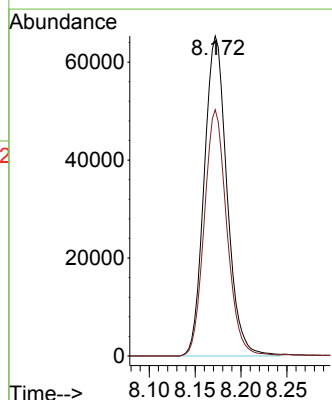
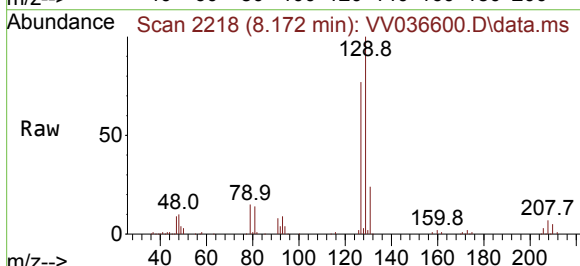
Acq: 18 Jul 2024 10:14

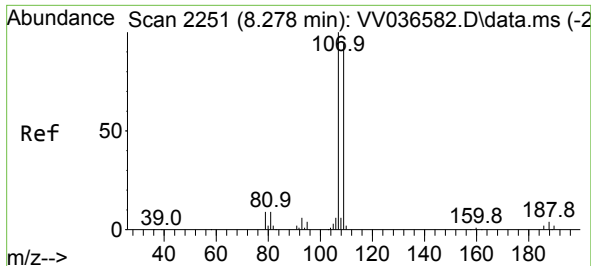
Tgt Ion: 129 Resp: 113133

Ion Ratio Lower Upper

129 100

127 77.0 53.7 99.7

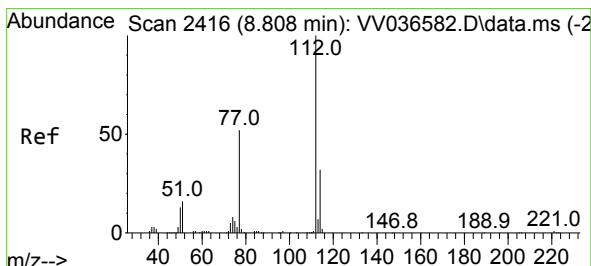
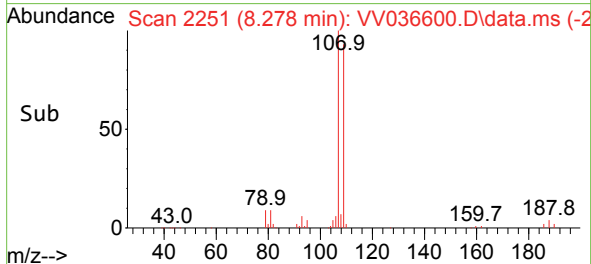
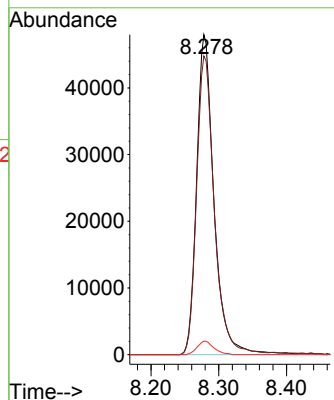
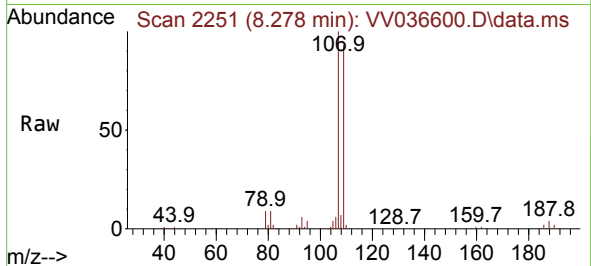




#50
1,2-Dibromoethane
Concen: 25.901 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

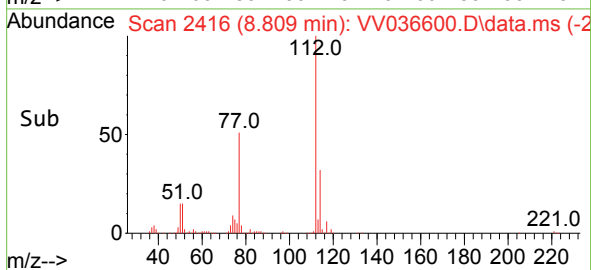
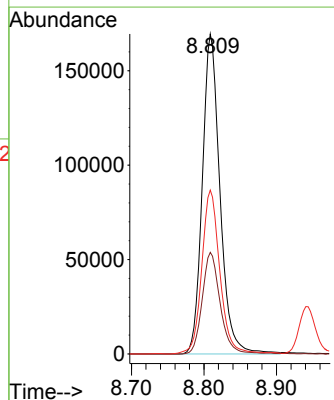
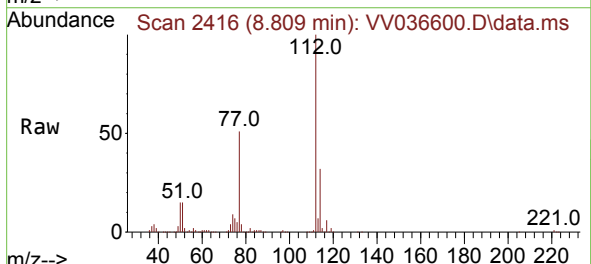
Instrument :
MSVOA_V
ClientSampleId :

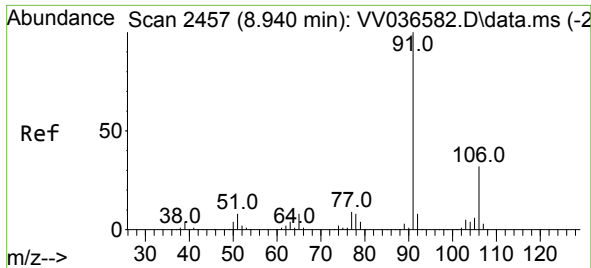
Tgt Ion:107 Resp: 85279
Ion Ratio Lower Upper
107 100
109 93.4 66.2 123.0
188 4.2 3.4 5.0



#51
Chlorobenzene
Concen: 25.671 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

Tgt Ion:112 Resp: 287387
Ion Ratio Lower Upper
112 100
114 31.8 22.5 41.9
77 51.2 43.0 64.6

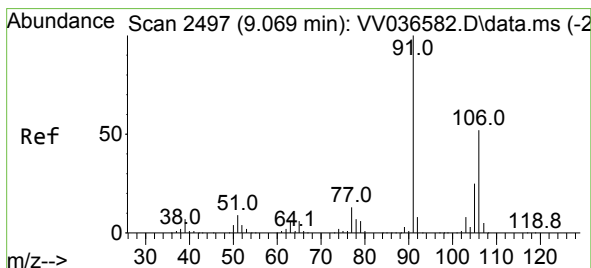
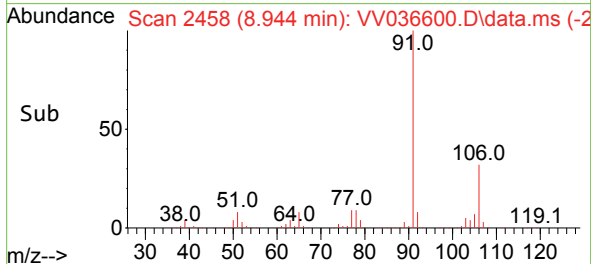
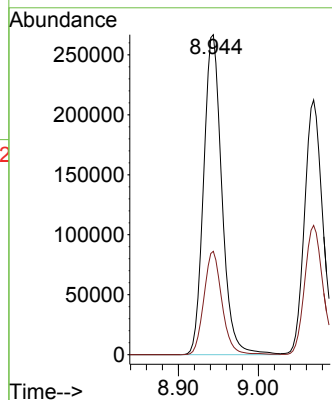
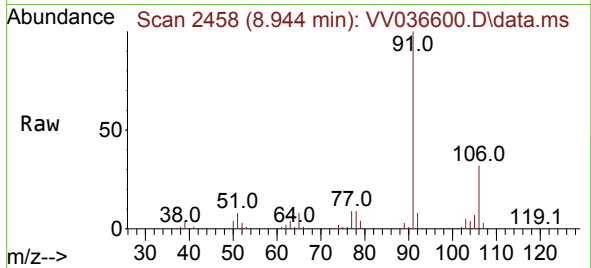




#52
Ethylbenzene
Concen: 26.437 ug/L
RT: 8.944 min Scan# 2457
Delta R.T. 0.003 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

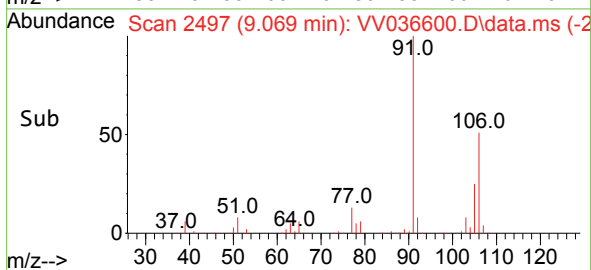
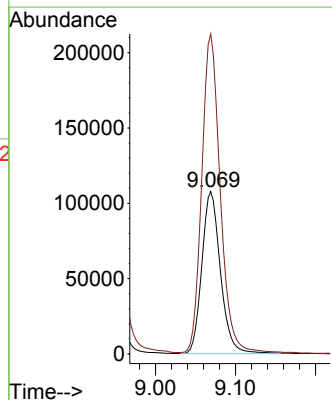
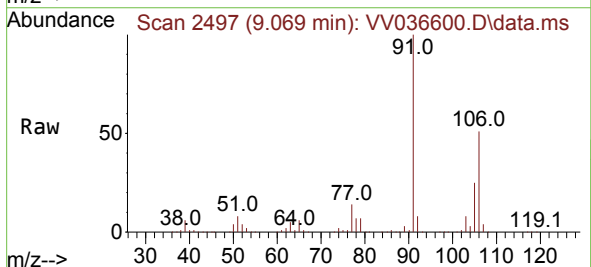
Instrument :
MSVOA_V
ClientSampleId :

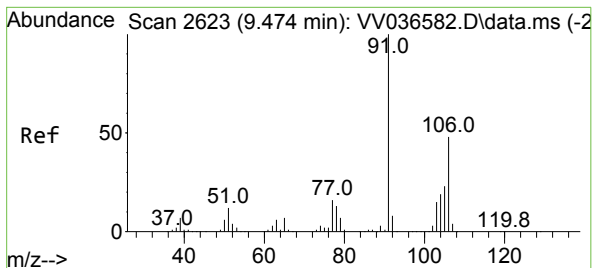
Tgt Ion: 91 Resp: 423907
Ion Ratio Lower Upper
91 100
106 32.3 22.6 42.0



#53
m,p-Xylene
Concen: 28.156 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

Tgt Ion:106 Resp: 173818
Ion Ratio Lower Upper
106 100
91 197.0 137.1 254.7





#54

o-Xylene

Concen: 27.345 ug/L

RT: 9.474 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

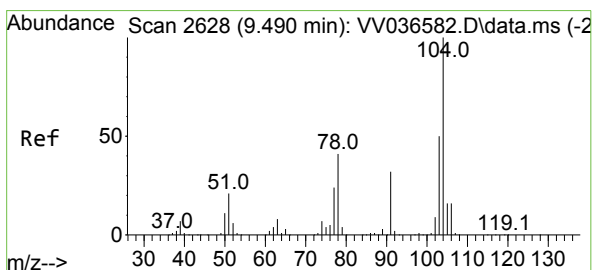
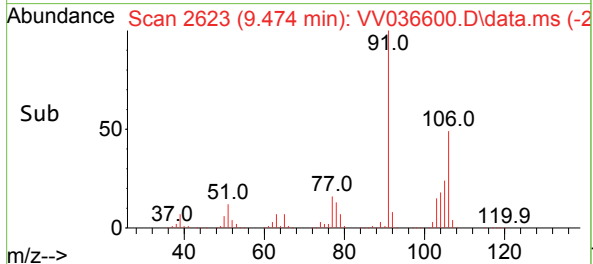
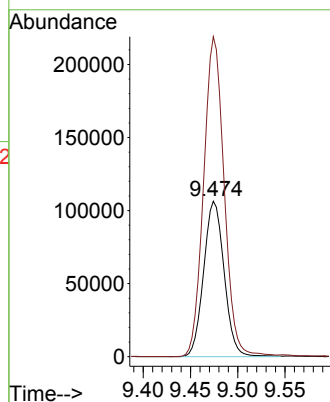
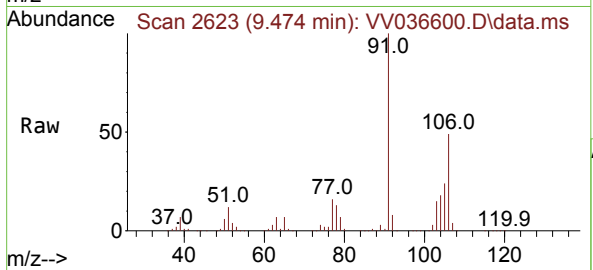
ClientSampleId :

Tgt Ion:106 Resp: 160726

Ion Ratio Lower Upper

106 100

91 205.8 147.3 273.6



#55

Styrene

Concen: 29.894 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. 0.000 min

Lab File: VV036600.D

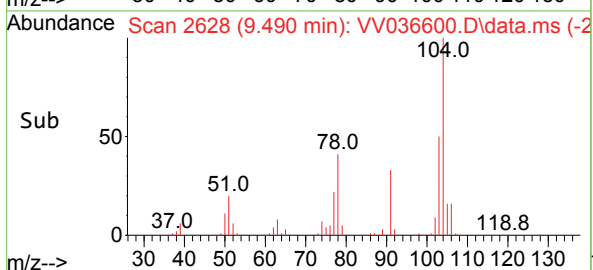
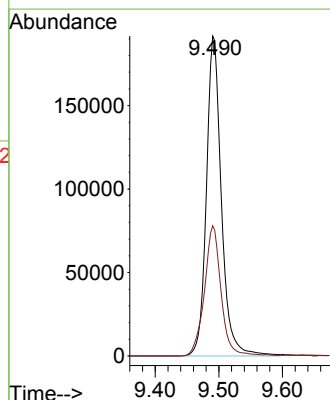
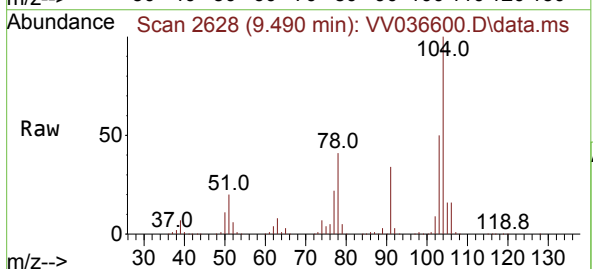
Acq: 18 Jul 2024 10:14

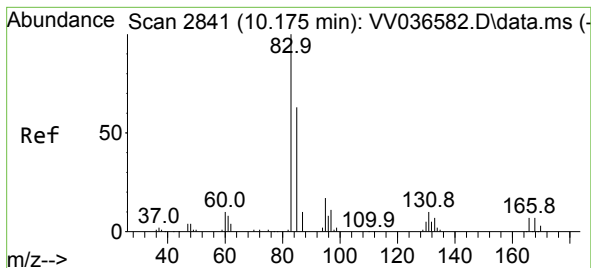
Tgt Ion:104 Resp: 314371

Ion Ratio Lower Upper

104 100

78 40.7 28.8 53.6

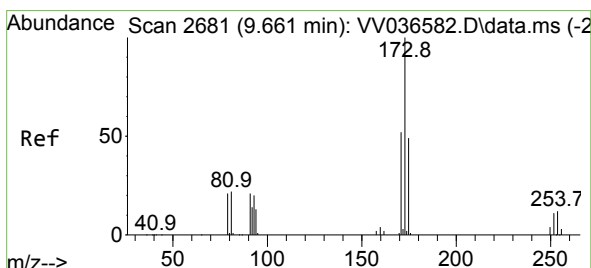
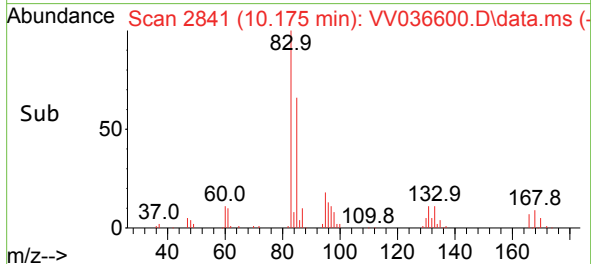
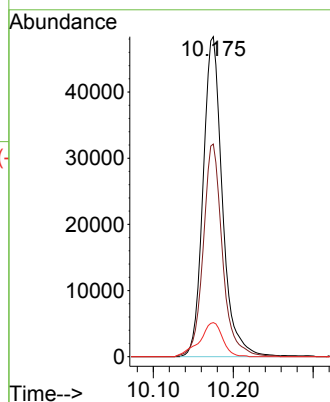
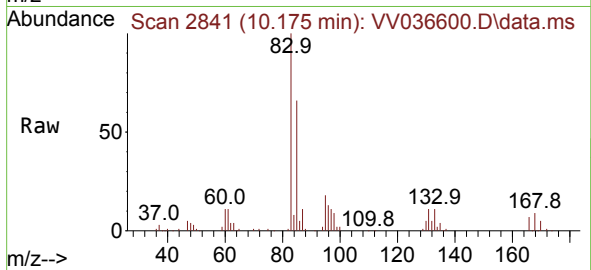




#57
1,1,2,2-Tetrachloroethane
Concen: 25.363 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

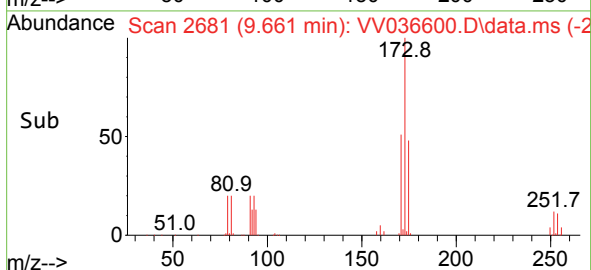
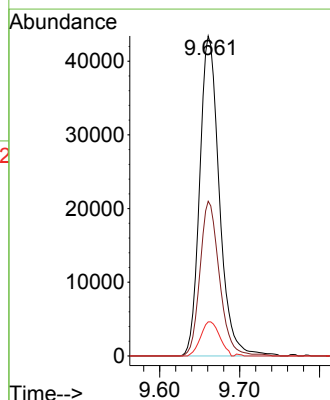
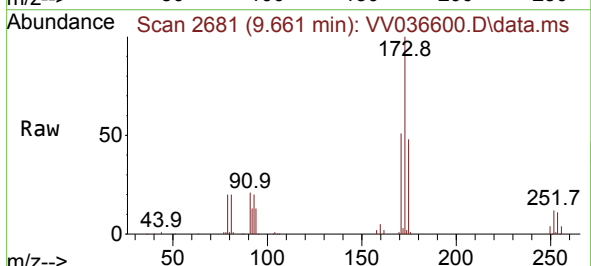
Instrument :
MSVOA_V
ClientSampleId :

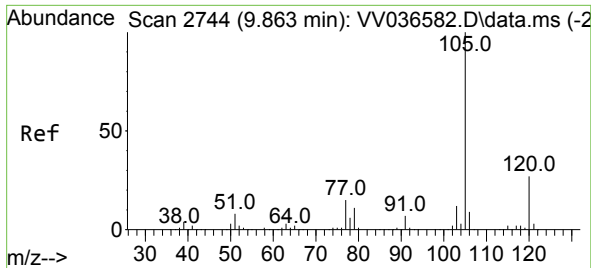
Tgt Ion: 83 Resp: 81249
Ion Ratio Lower Upper
83 100
85 66.5 45.0 83.6
131 10.6 8.1 12.1



#59
Bromoform
Concen: 25.347 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

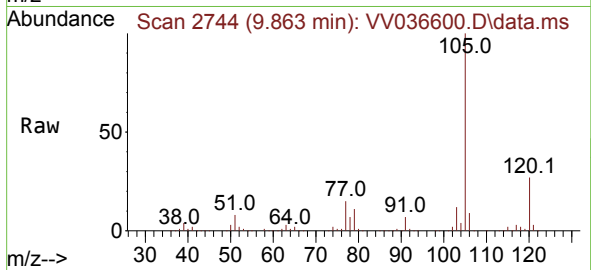
Tgt Ion: 173 Resp: 74163
Ion Ratio Lower Upper
173 100
175 47.7 37.6 56.4
254 10.4 8.2 12.4



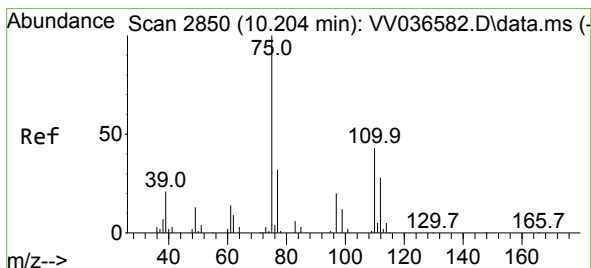
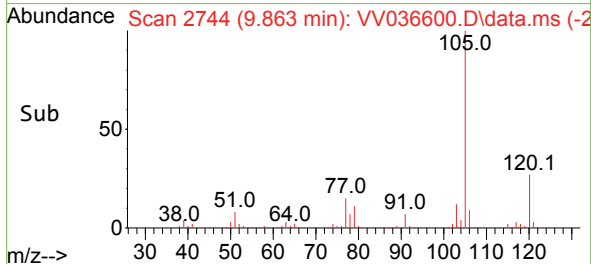
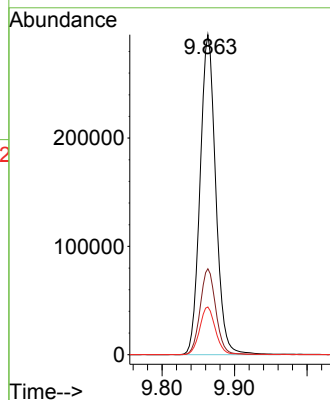


#60
Isopropylbenzene
Concen: 26.859 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

Instrument :
MSVOA_V
ClientSampleId :

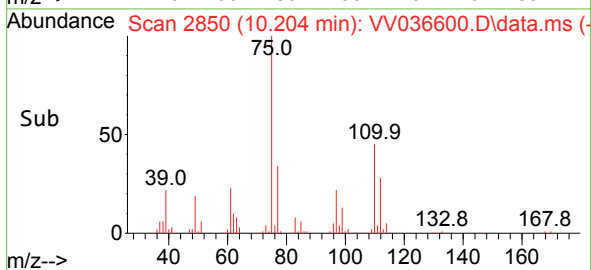
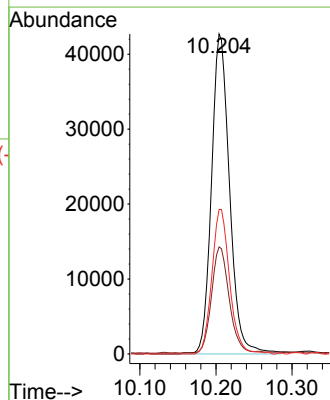
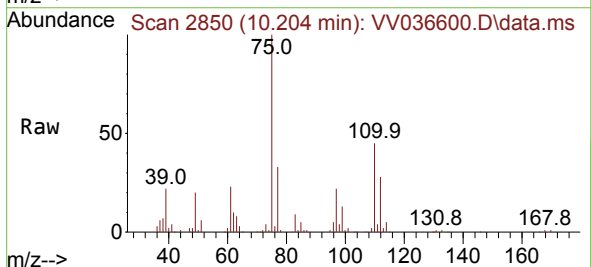


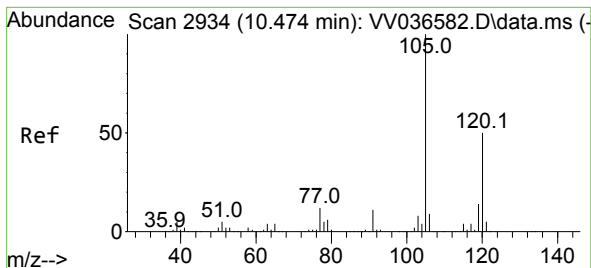
Tgt Ion:105 Resp: 442979
Ion Ratio Lower Upper
105 100
120 27.0 21.8 32.6
77 14.9 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 24.003 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

Tgt Ion: 75 Resp: 70503
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4
110 44.3 34.8 52.2





#62

1,3,5-Trimethylbenzene

Concen: 25.821 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

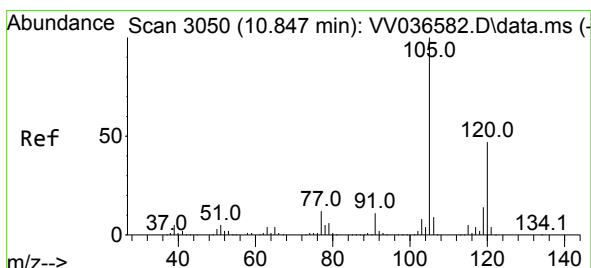
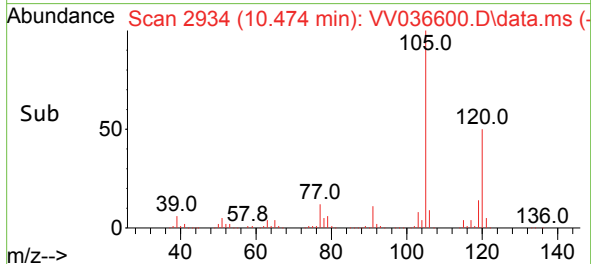
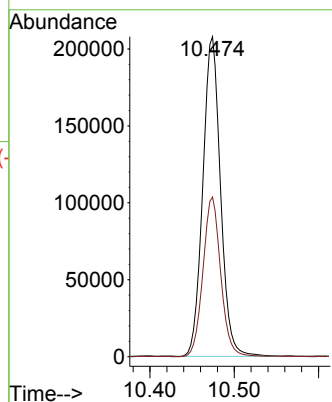
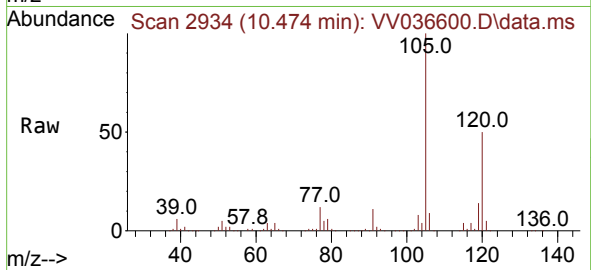
ClientSampleId :

Tgt Ion:105 Resp: 304972

Ion Ratio Lower Upper

105 100

120 50.1 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 26.505 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VV036600.D

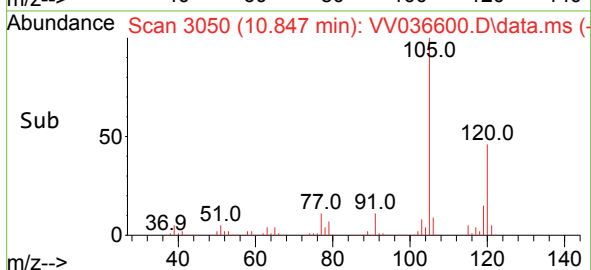
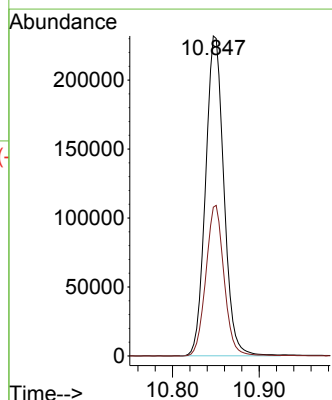
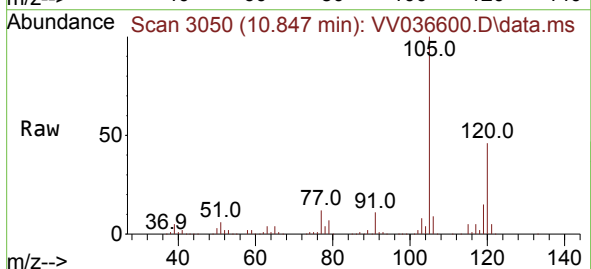
Acq: 18 Jul 2024 10:14

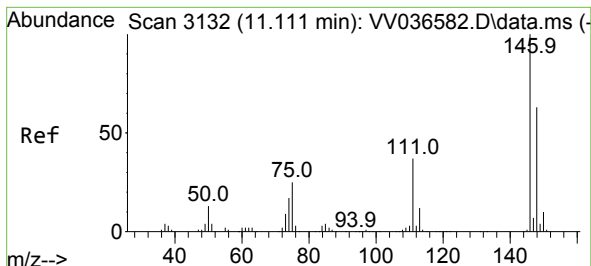
Tgt Ion:105 Resp: 340635

Ion Ratio Lower Upper

105 100

120 46.6 37.0 55.4





#64

1,3-Dichlorobenzene

Concen: 26.384 ug/L

RT: 11.114 min Scan# 3132

Delta R.T. 0.003 min

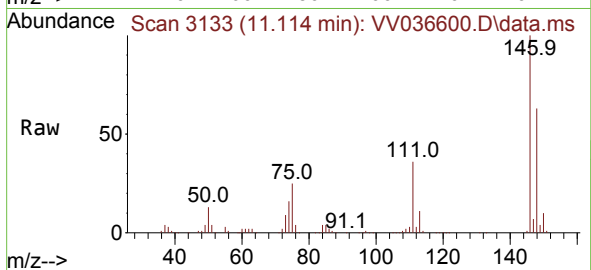
Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

ClientSampleId :



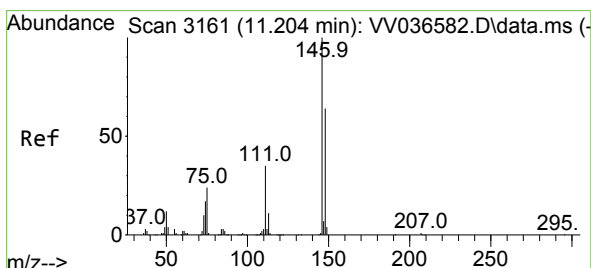
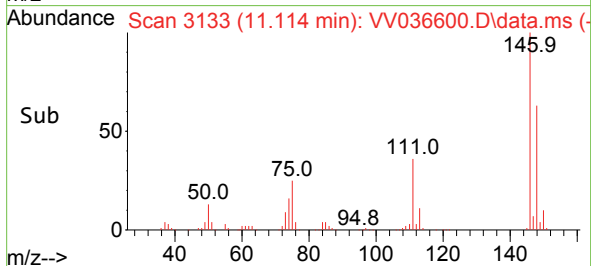
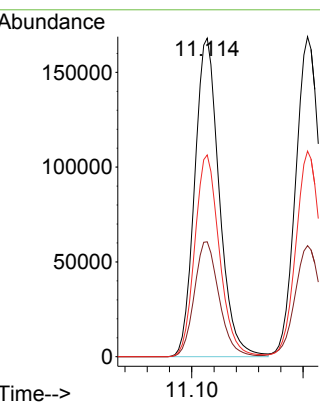
Tgt Ion:146 Resp: 257245

Ion Ratio Lower Upper

146 100

111 36.1 25.8 47.8

148 63.3 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 25.684 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

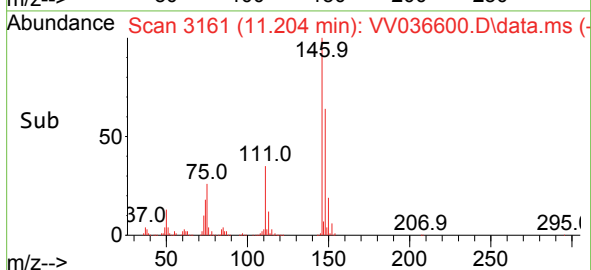
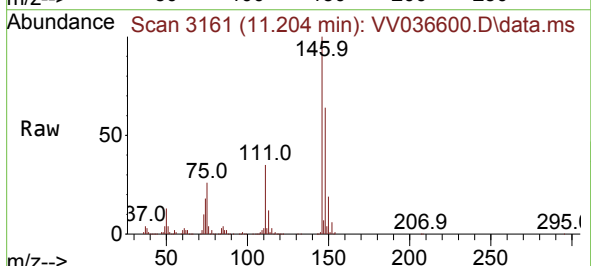
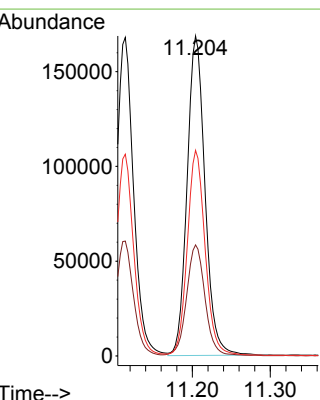
Tgt Ion:146 Resp: 268890

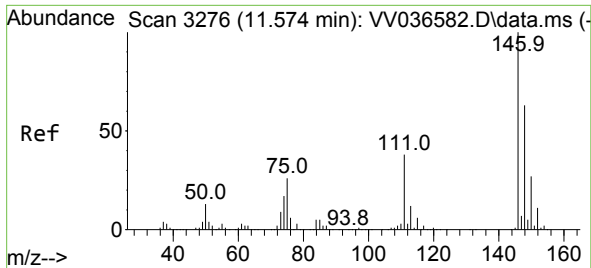
Ion Ratio Lower Upper

146 100

111 34.7 25.2 46.8

148 64.3 45.2 84.0

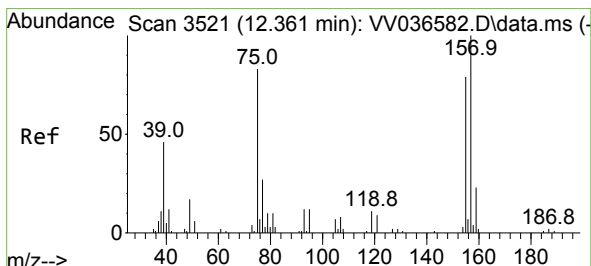
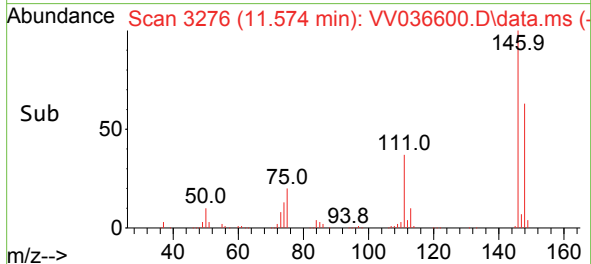
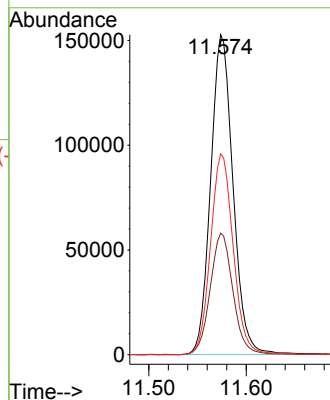
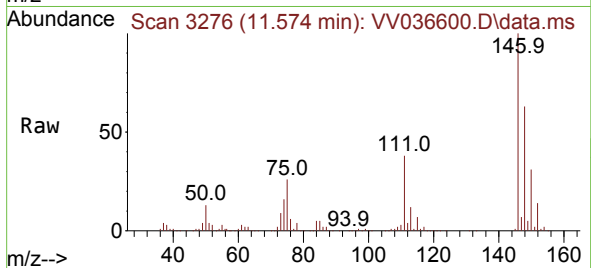




#67
1,2-Dichlorobenzene
Concen: 25.932 ug/L
RT: 11.574 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

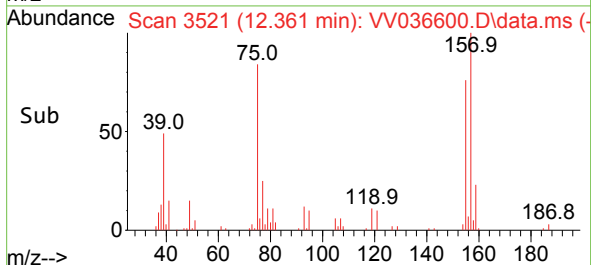
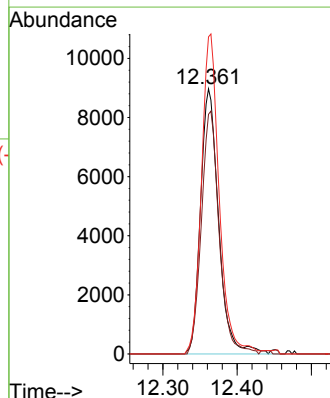
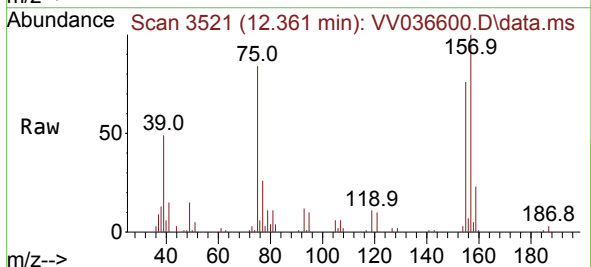
Instrument :
MSVOA_V
ClientSampleId :

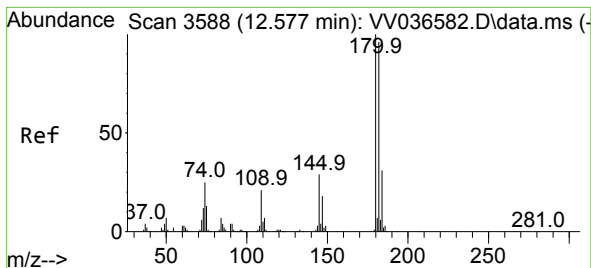
Tgt Ion:146 Resp: 242967
Ion Ratio Lower Upper
146 100
111 38.0 30.8 46.2
148 62.8 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 24.070 ug/L
RT: 12.361 min Scan# 3521
Delta R.T. 0.000 min
Lab File: VV036600.D
Acq: 18 Jul 2024 10:14

Tgt Ion: 75 Resp: 15297
Ion Ratio Lower Upper
75 100
155 90.4 74.6 111.8
157 119.6 95.0 142.4





#69

1,3,5-Trichlorobenzene

Concen: 24.704 ug/L

RT: 12.577 min Scan# 3

Delta R.T. 0.000 min

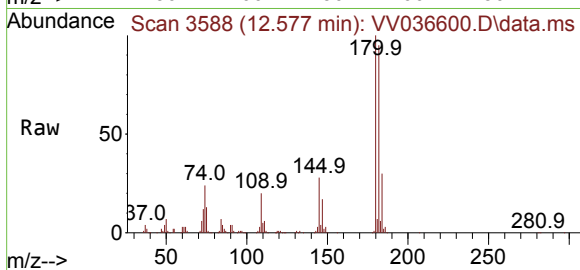
Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 186503

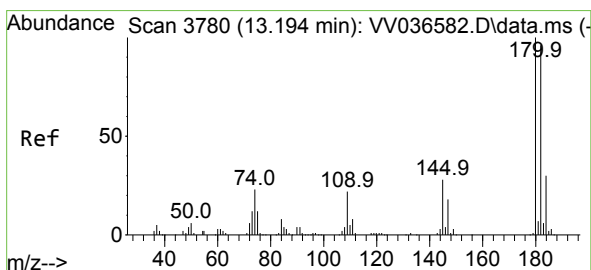
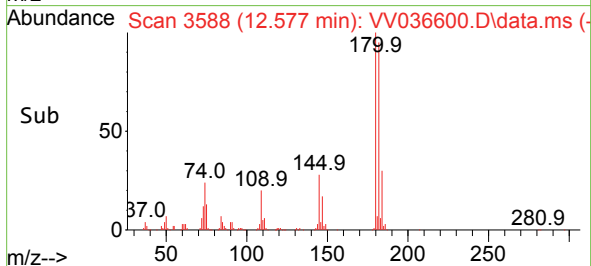
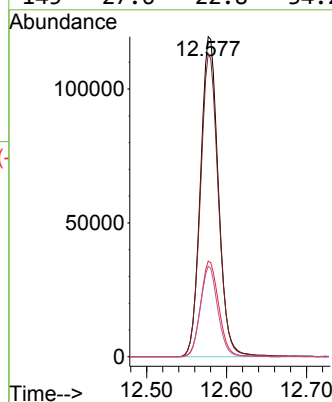
Ion Ratio Lower Upper

180 100

182 94.7 77.4 116.0

184 30.1 24.4 36.6

145 27.6 22.8 34.2



#70

1,2,4-trichlorobenzene

Concen: 23.098 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

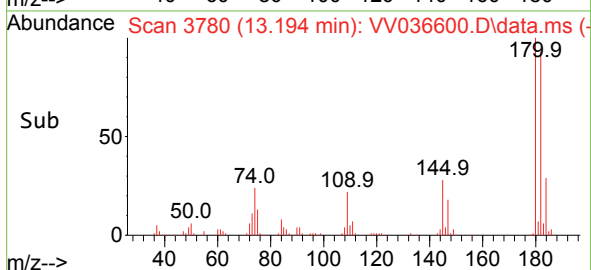
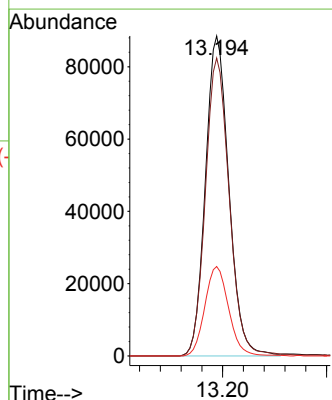
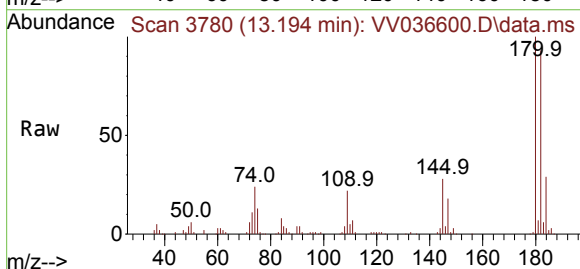
Tgt Ion:180 Resp: 138684

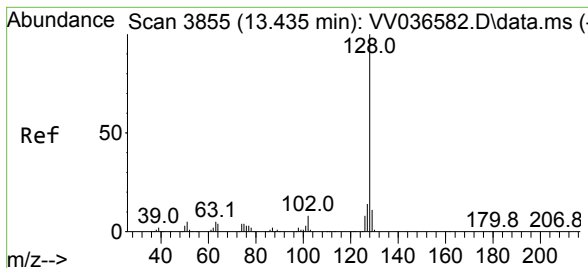
Ion Ratio Lower Upper

180 100

182 94.8 76.7 115.1

145 28.3 23.0 34.6





#71

Naphthalene

Concen: 19.918 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Instrument :

MSVOA_V

ClientSampleId :

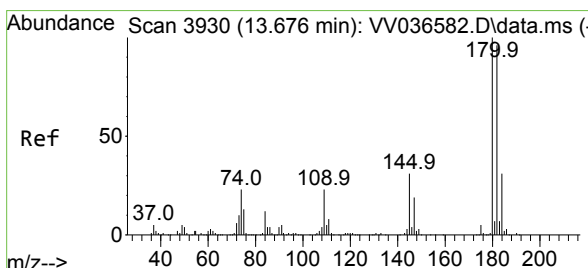
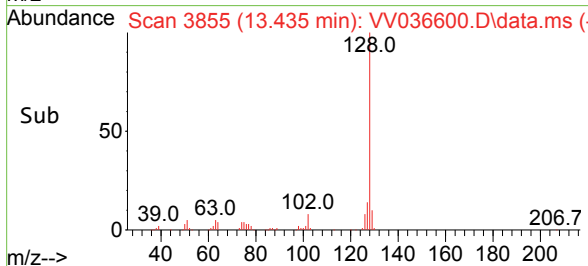
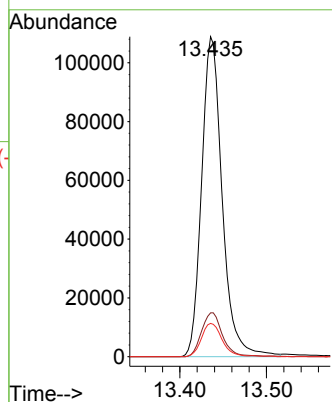
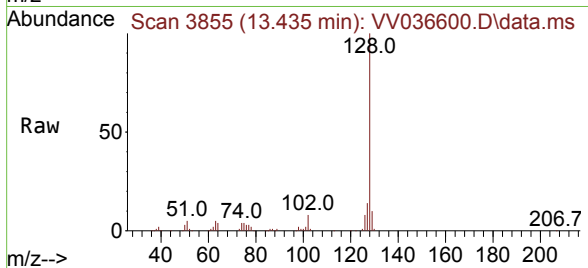
Tgt Ion:128 Resp: 179616

Ion Ratio Lower Upper

128 100

127 14.0 10.8 16.2

129 10.4 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 23.840 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036600.D

Acq: 18 Jul 2024 10:14

Tgt Ion:180 Resp: 135424

Ion Ratio Lower Upper

180 100

182 96.7 76.6 114.8

145 31.2 24.4 36.6

