

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070824\
 Data File : VW036471.D
 Acq On : 08 Jul 2024 17:10
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 09 00:58:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 09 00:54:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	285107	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	298828	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	177591	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	151174	31.221	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 124.880%	
7) Chloroethane-d5	1.523	69	128057	33.111	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 132.440%	
11) 1,1-Dichloroethene-d2	2.047	65	67366	29.595	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 118.400%#	
21) 2-Butanone-d5	3.809	46	43652	38.844	ug/L	-0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	= 77.680%	
24) Chloroform-d	4.240	84	251550	29.891	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 119.560%	
26) 1,2-Dichloroethane-d4	4.934	65	124934	27.837	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 111.360%	
32) Benzene-d6	4.950	84	479541	28.428	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 113.720%	
36) 1,2-Dichloropropane-d6	5.982	67	132120	26.039	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 104.160%	
41) Toluene-d8	7.236	98	460185	30.256	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 121.040%	
43) trans-1,3-Dichloroprop...	7.548	79	58346	25.750	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 103.000%	
47) 2-Hexanone-d5	8.027	63	31688	39.124	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 78.240%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	103501	24.885	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 99.520%	
66) 1,2-Dichlorobenzene-d4	11.558	152	156678	24.210	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 96.840%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	119060	21.979	ug/L	99
3) Chloromethane	1.211	50	88208	17.989	ug/L	99
5) Vinyl chloride	1.275	62	119377	21.083	ug/L	100
6) Bromomethane	1.481	94	85766	22.522	ug/L	99
8) Chloroethane	1.542	64	86302	24.730	ug/L	99
9) Trichlorofluoromethane	1.703	101	213340	26.382	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	141577	27.912	ug/L	95
12) 1,1-Dichloroethene	2.056	96	114156	25.420	ug/L	84
13) Acetone	2.130	43	46596	30.691	ug/L #	59
14) Carbon disulfide	2.230	76	238467	16.830	ug/L	100
15) Methyl Acetate	2.378	43	40297	20.626	ug/L	97
16) Methylene chloride	2.436	84	135224	24.092	ug/L	93
17) trans-1,2-Dichloroethene	2.683	96	102708	23.035	ug/L	93
18) Methyl tert-butyl Ether	2.699	73	239254	23.051	ug/L	98
19) 1,1-Dichloroethane	3.101	63	196035	24.727	ug/L	98
20) cis-1,2-Dichloroethene	3.805	96	110868	24.722	ug/L	94
22) 2-Butanone	3.886	43	45227	35.329	ug/L #	50
23) Bromochloromethane	4.140	128	61905	26.473	ug/L #	89
25) Chloroform	4.265	83	235927	27.901	ug/L	98

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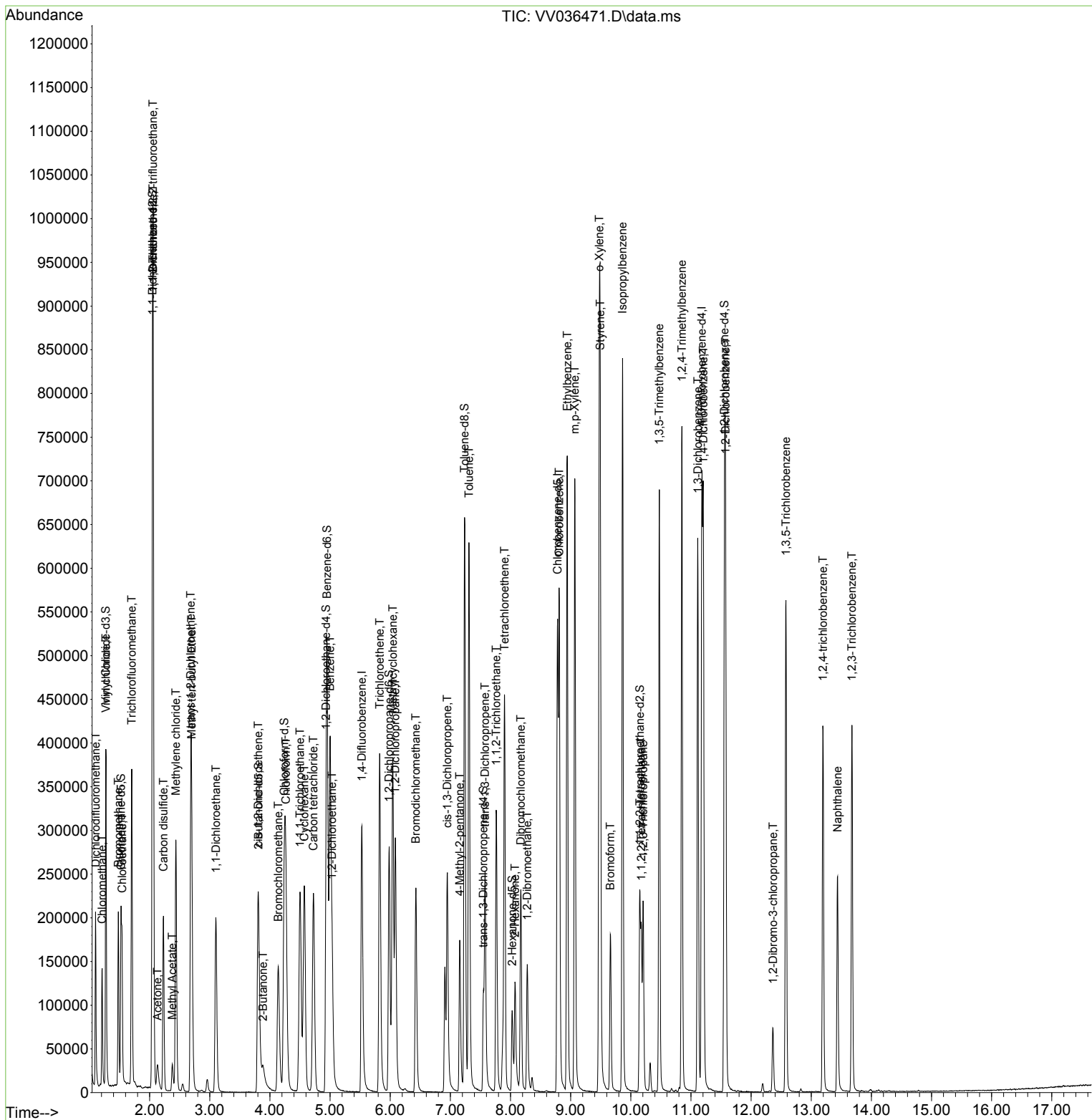
Instrument :
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 ClientSampleId :

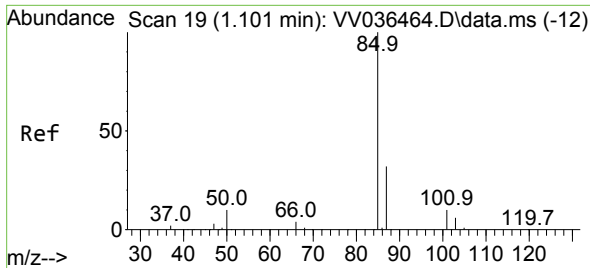
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	138258	25.251	ug/L	98
29) Cyclohexane	4.571	56	110064	17.288	ug/L	91
30) 1,1,1-Trichloroethane	4.503	97	199795	26.965	ug/L	98
31) Carbon tetrachloride	4.722	117	180149	27.288	ug/L	100
33) Benzene	5.002	78	430569	24.327	ug/L	100
34) Trichloroethene	5.825	95	134224	24.032	ug/L	95
35) Methylcyclohexane	6.043	83	155336	19.957	ug/L	97
37) 1,2-Dichloropropane	6.085	63	110250	24.390	ug/L #	96
38) Bromodichloromethane	6.426	83	161770	26.166	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	160945	23.155	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	102053	40.031	ug/L	98
42) Toluene	7.310	91	479109	25.889	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	148195	23.704	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	103237	25.839	ug/L	98
46) Tetrachloroethene	7.902	164	107652	26.521	ug/L	95
48) 2-Hexanone	8.075	43	69294	34.556	ug/L #	93
49) Dibromochloromethane	8.172	129	122261	27.450	ug/L	100
50) 1,2-Dibromoethane	8.278	107	98992	25.150	ug/L	98
51) Chlorobenzene	8.812	112	319519	25.257	ug/L	96
52) Ethylbenzene	8.944	91	499153	24.993	ug/L	99
53) m,p-Xylene	9.069	106	199155	26.756	ug/L	95
54) o-Xylene	9.477	106	182849	26.122	ug/L	92
55) Styrene	9.493	104	346772	28.267	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	88528	24.757	ug/L	99
59) Bromoform	9.661	173	82825	24.638	ug/L	99
60) Isopropylbenzene	9.863	105	513515	23.921	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	83539	20.844	ug/L	95
62) 1,3,5-Trimethylbenzene	10.474	105	349649	22.759	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	388040	23.243	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	265863	23.767	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	275537	22.979	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	248941	23.311	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	18162	20.199	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	185600	22.035	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	137296	20.440	ug/L	99
71) Naphthalene	13.439	128	205283	17.141	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	130830	20.713	ug/L	99

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

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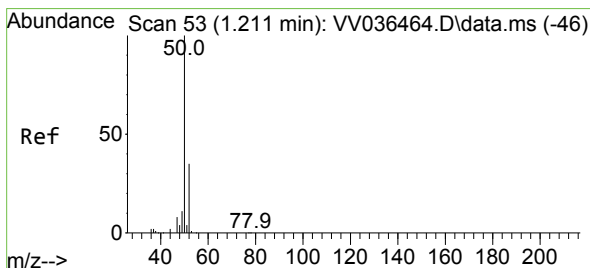
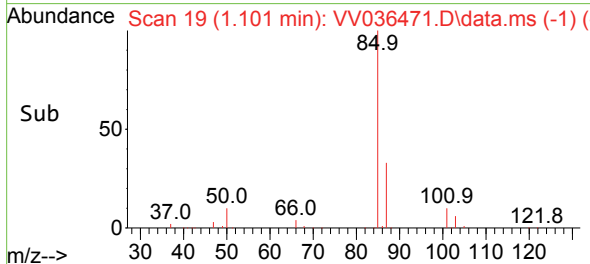
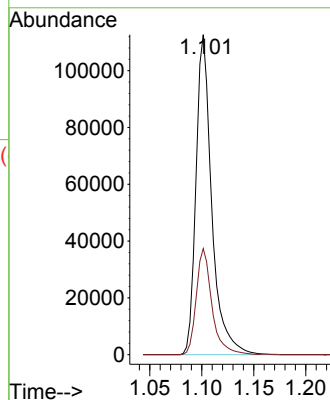
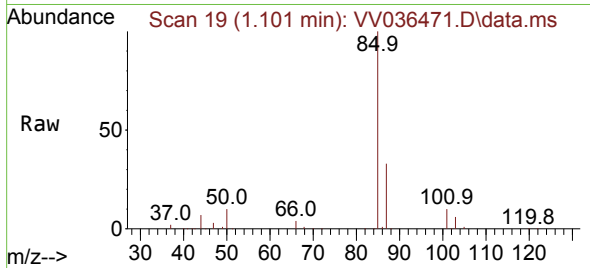




#2
 Dichlorodifluoromethane
 Concen: 21.979 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. 0.000 min
 Lab File: VV036471.D
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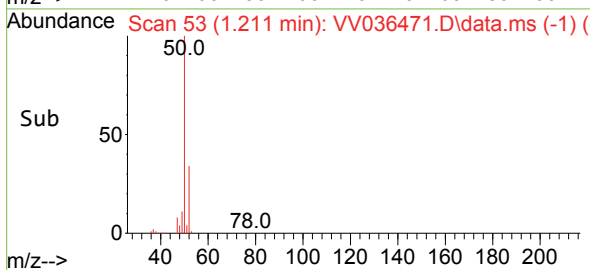
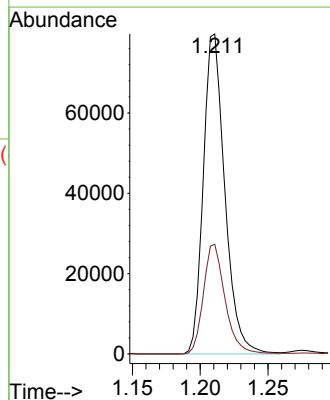
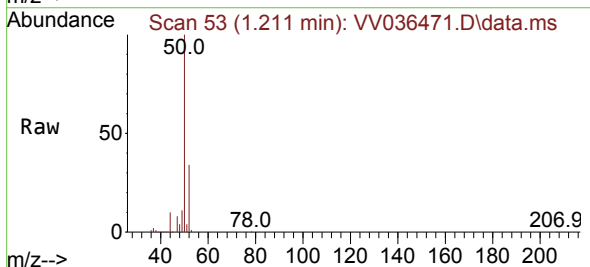
Instrument :
 MSVOA_V
 ClientSampleId :

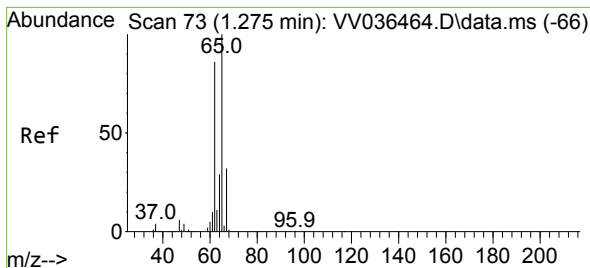
Tgt Ion: 85 Resp: 119060
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.9 38.9



#3
 Chloromethane
 Concen: 17.989 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV036471.D
 Acq: 08 Jul 2024 17:10

Tgt Ion: 50 Resp: 88208
 Ion Ratio Lower Upper
 50 100
 52 34.3 23.5 43.7





#5

Vinyl chloride

Concen: 21.083 ug/L

RT: 1.275 min Scan# 71

Delta R.T. 0.000 min

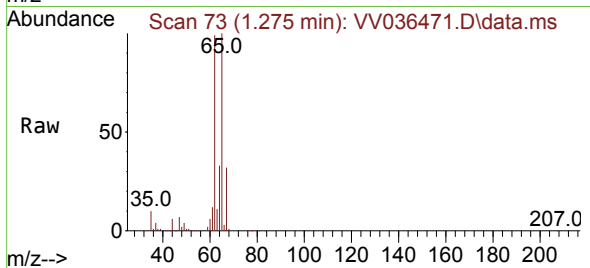
Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

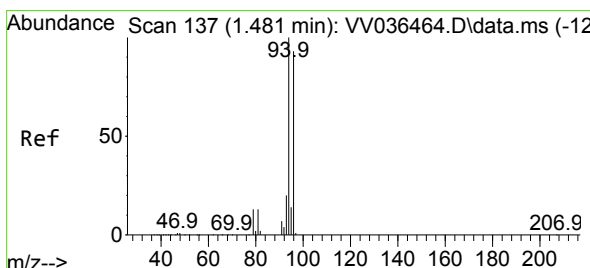
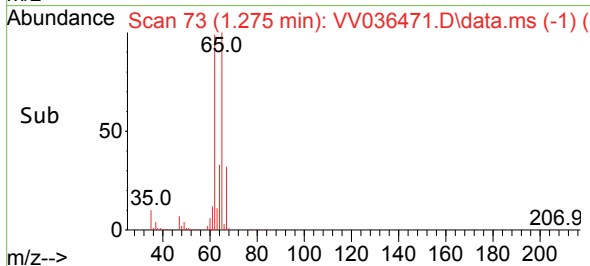
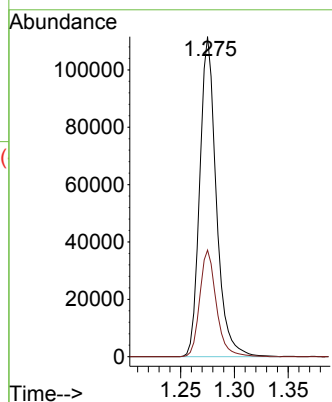


Tgt Ion: 62 Resp: 119377

Ion Ratio Lower Upper

62 100

64 33.3 23.4 43.4



#6

Bromomethane

Concen: 22.522 ug/L

RT: 1.481 min Scan# 137

Delta R.T. 0.000 min

Lab File: VV036471.D

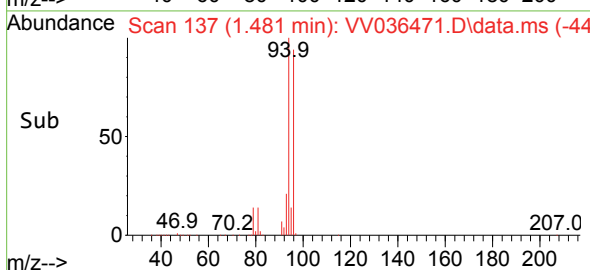
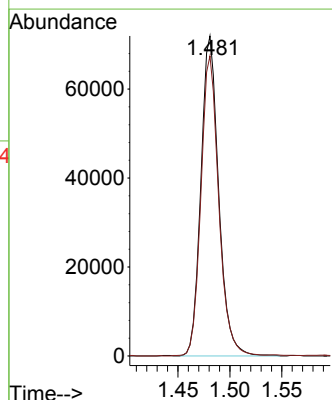
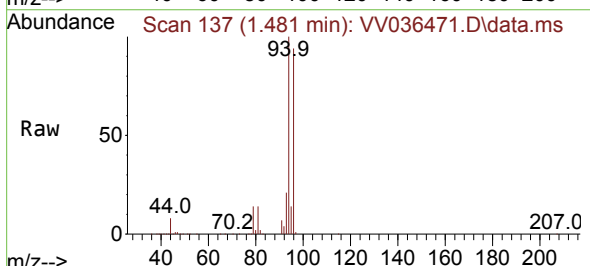
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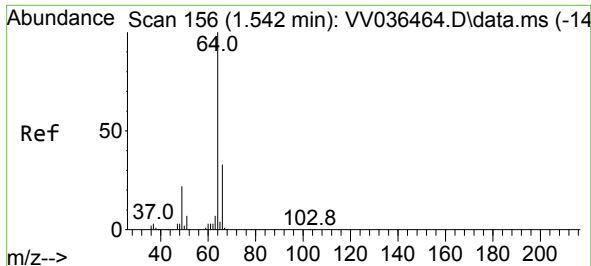
Tgt Ion: 94 Resp: 85766

Ion Ratio Lower Upper

94 100

96 93.8 66.1 122.7

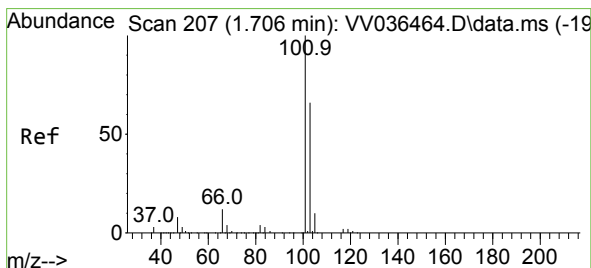
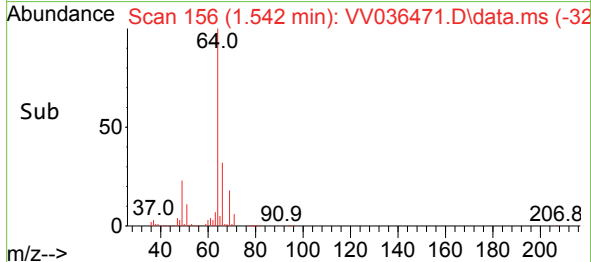
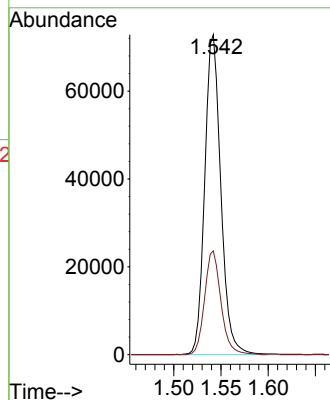
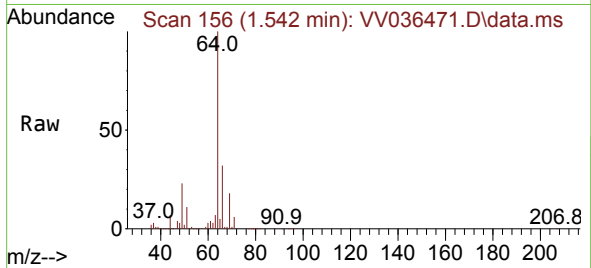




#8
Chloroethane
Concen: 24.730 ug/L
RT: 1.542 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

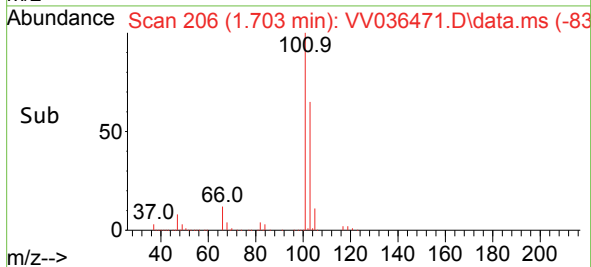
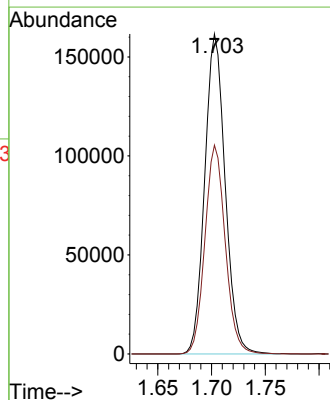
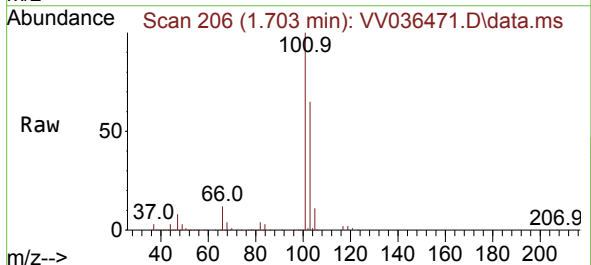
Instrument :
MSVOA_V
ClientSampleId :

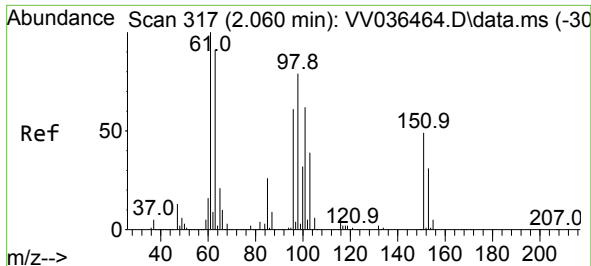
Tgt Ion: 64 Resp: 86302
Ion Ratio Lower Upper
64 100
66 32.4 23.0 42.6



#9
Trichlorofluoromethane
Concen: 26.382 ug/L
RT: 1.703 min Scan# 206
Delta R.T. -0.003 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

Tgt Ion:101 Resp: 213340
Ion Ratio Lower Upper
101 100
103 65.0 51.7 77.5





#10

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

Concen: 27.912 ug/L

RT: 2.056 min Scan# 316

Delta R.T. -0.003 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

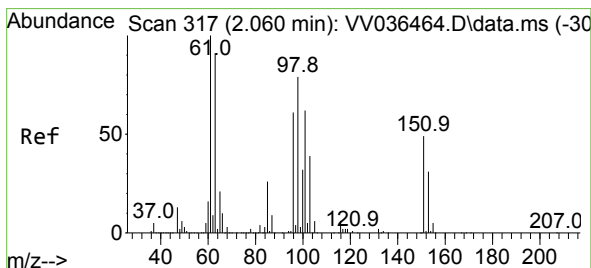
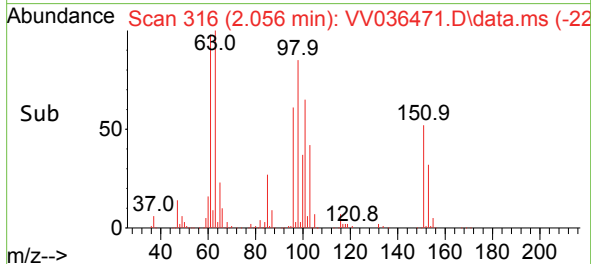
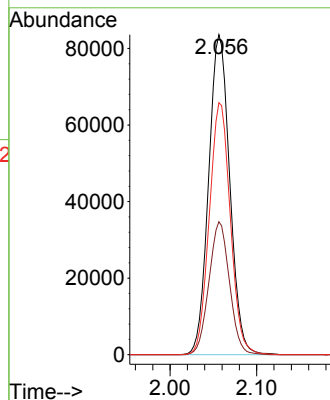
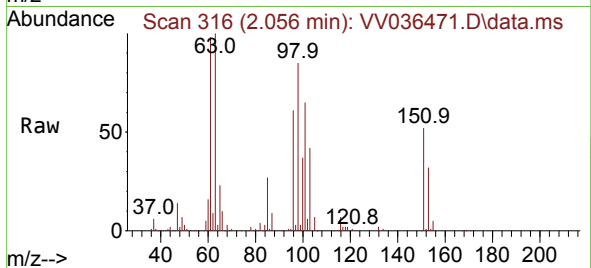
Tgt Ion:101 Resp: 141577

Ion Ratio Lower Upper

101 100

85 40.4 34.6 51.8

151 78.4 58.9 88.3



#12

1,1-Dichloroethene

Concen: 25.420 ug/L

RT: 2.056 min Scan# 316

Delta R.T. -0.003 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

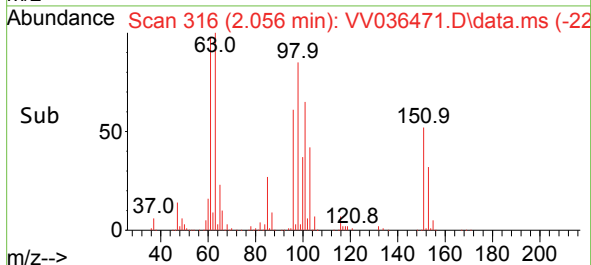
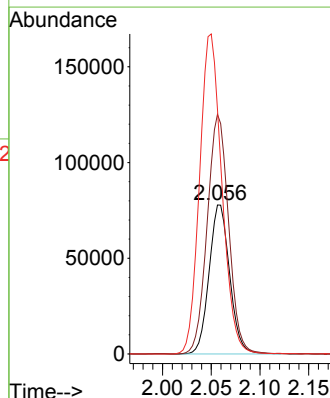
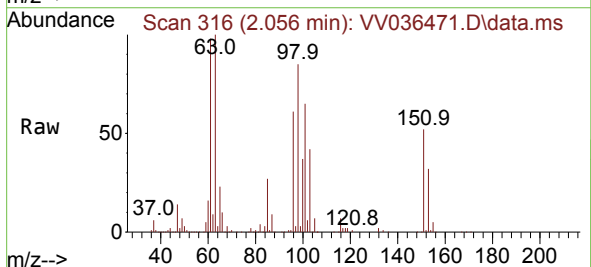
Tgt Ion: 96 Resp: 114156

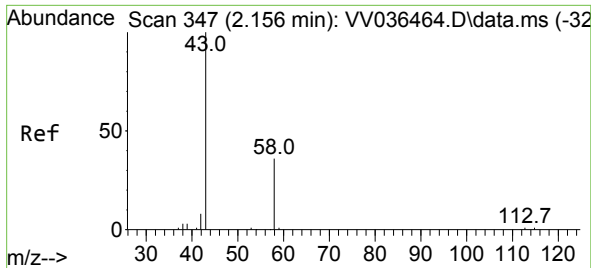
Ion Ratio Lower Upper

96 100

61 160.9 122.6 227.8

63 164.0 96.1 178.5





#13

Acetone

Concen: 30.691 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.026 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

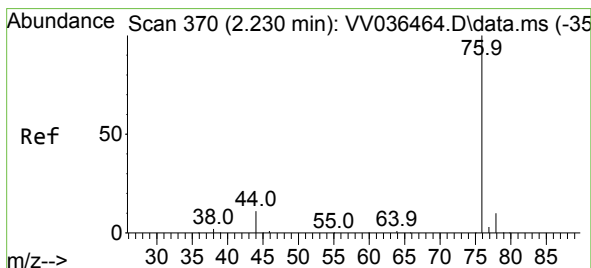
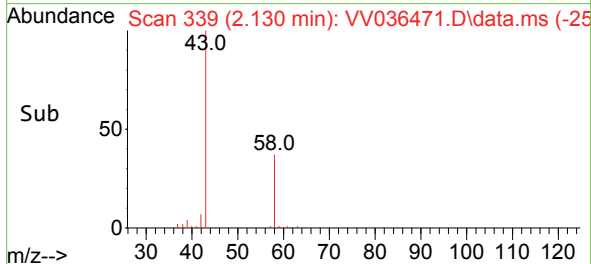
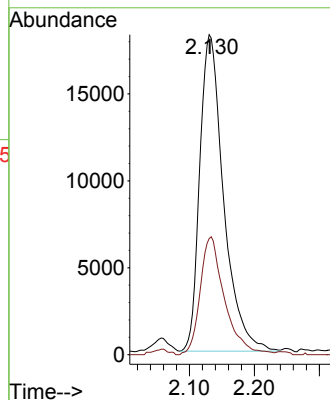
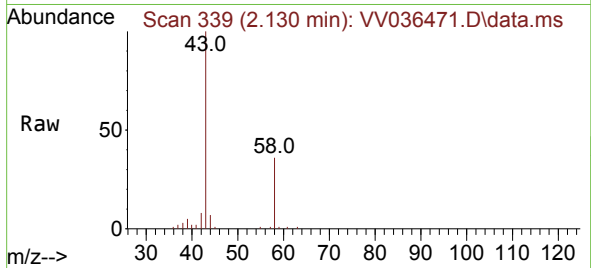
ClientSampleId :

Tgt Ion: 43 Resp: 46596

Ion Ratio Lower Upper

43 100

58 38.0 0.0 0.6#



#14

Carbon disulfide

Concen: 16.830 ug/L

RT: 2.230 min Scan# 370

Delta R.T. 0.000 min

Lab File: VV036471.D

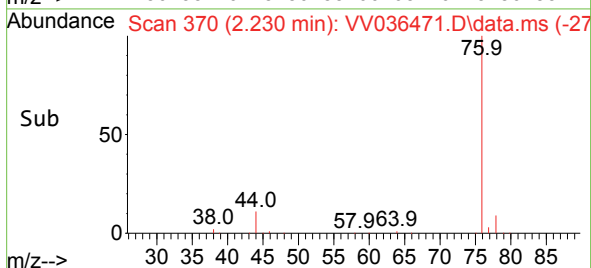
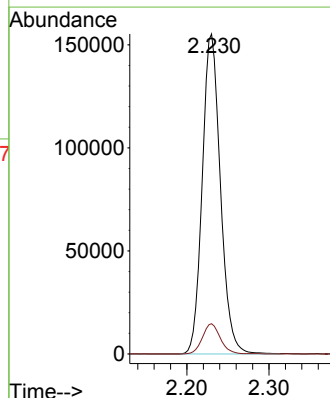
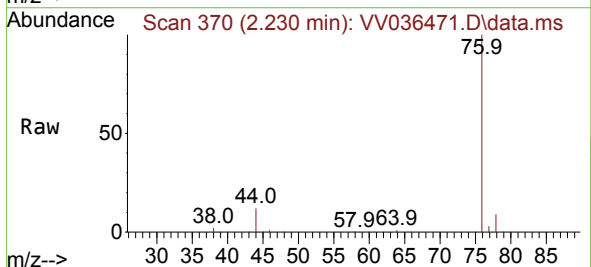
Acq: 08 Jul 2024 17:10

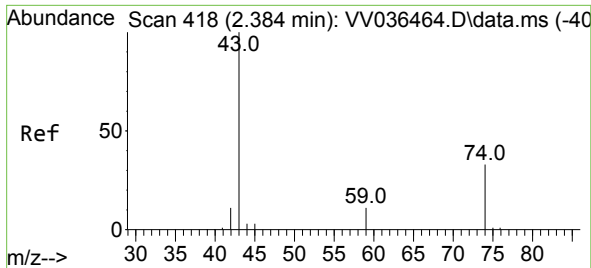
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Ion Ratio Lower Upper

76 100

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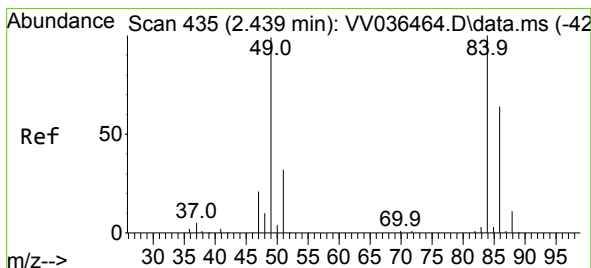
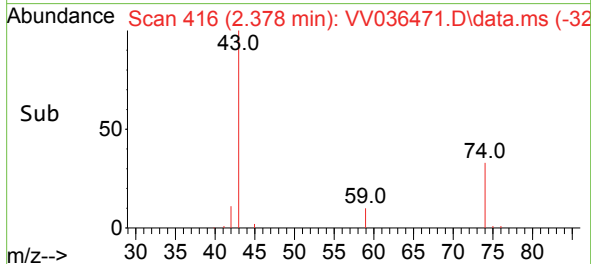
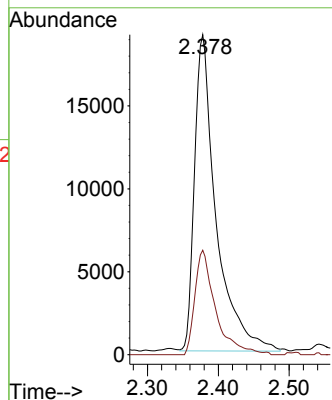
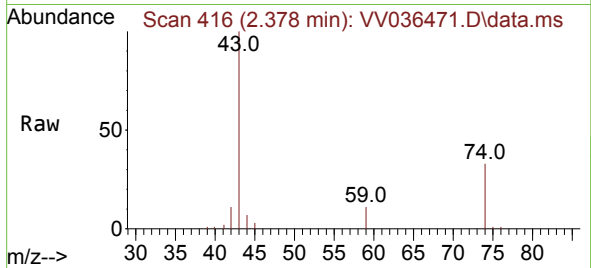




#15
Methyl Acetate
Concen: 20.626 ug/L
RT: 2.378 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

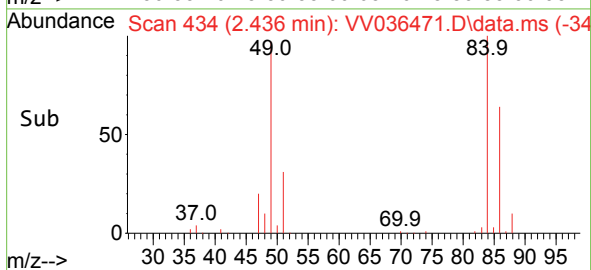
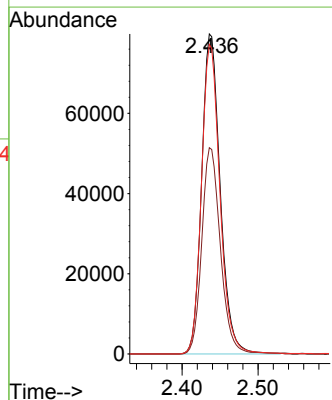
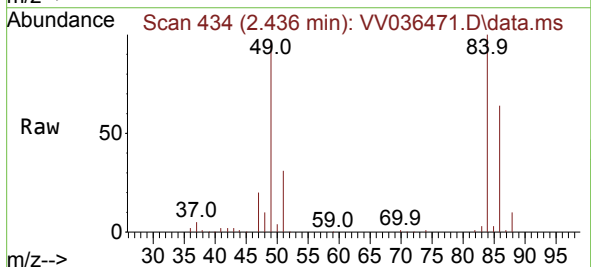
Instrument :
MSVOA_V
ClientSampleId :

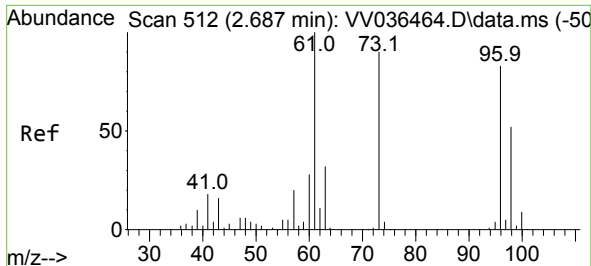
Tgt Ion: 43 Resp: 40297
Ion Ratio Lower Upper
43 100
74 31.5 23.8 35.6



#16
Methylene chloride
Concen: 24.092 ug/L
RT: 2.436 min Scan# 434
Delta R.T. -0.003 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

Tgt Ion: 84 Resp: 135224
Ion Ratio Lower Upper
84 100
86 64.5 45.6 84.8
49 96.7 75.7 140.5





#17

trans-1,2-Dichloroethene

Concen: 23.035 ug/L

RT: 2.683 min Scan# 511

Delta R.T. -0.003 min

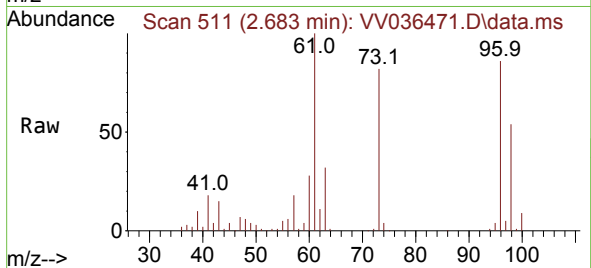
Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :



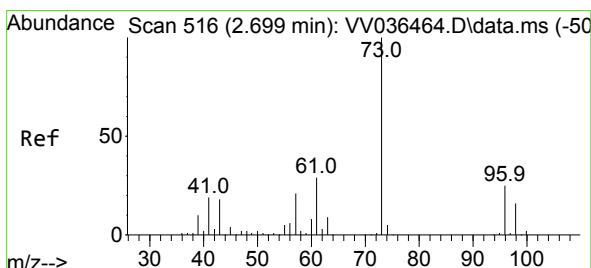
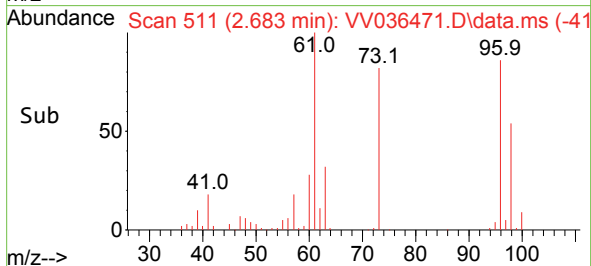
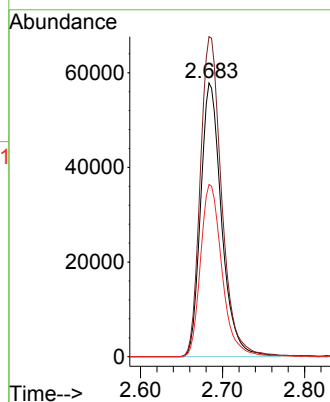
Tgt Ion: 96 Resp: 102708

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

96	100		
----	-----	--	--

61	116.9	89.8	166.8
----	-------	------	-------

98	62.9	45.3	84.1
----	------	------	------



#18

Methyl tert-butyl Ether

Concen: 23.051 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

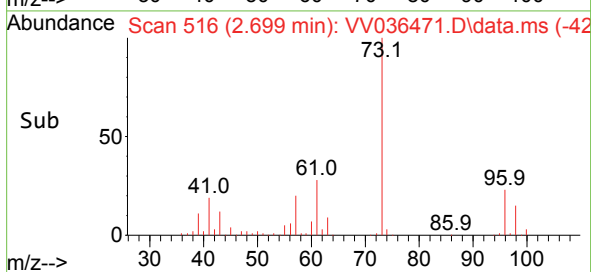
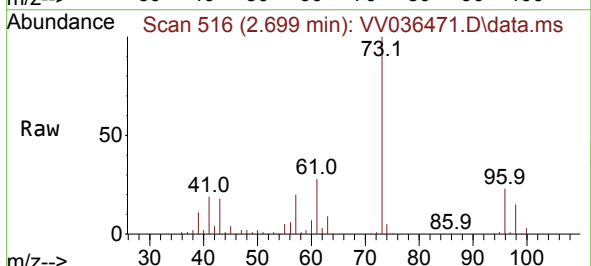
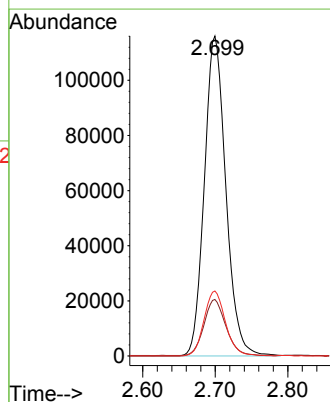
Tgt Ion: 73 Resp: 239254

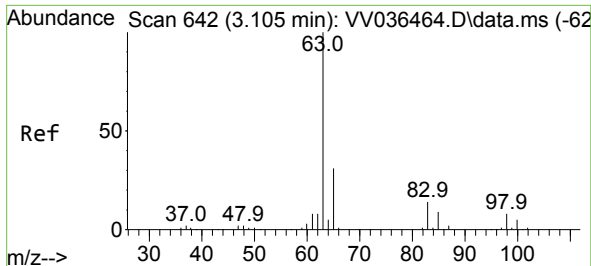
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

73	100		
----	-----	--	--

43	17.8	14.7	22.1
----	------	------	------

57	20.3	17.0	25.6
----	------	------	------





#19

1,1-Dichloroethane

Concen: 24.727 ug/L

RT: 3.101 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

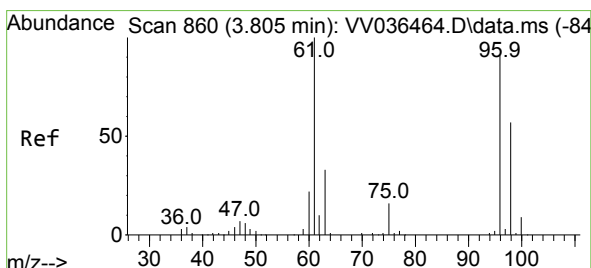
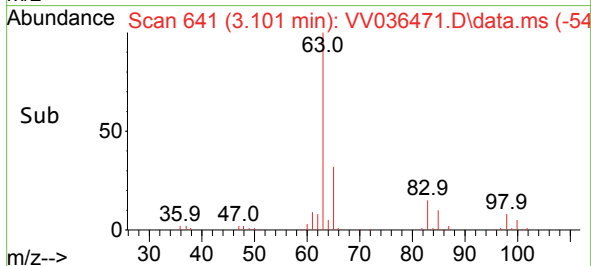
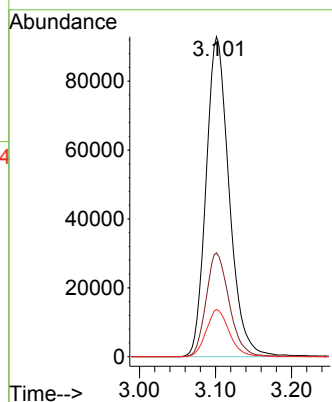
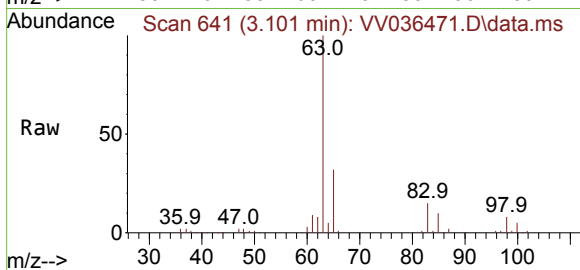
Tgt Ion: 63 Resp: 196035

Ion Ratio Lower Upper

63 100

65 32.5 22.1 41.1

83 14.8 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 24.722 ug/L

RT: 3.805 min Scan# 860

Delta R.T. 0.000 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

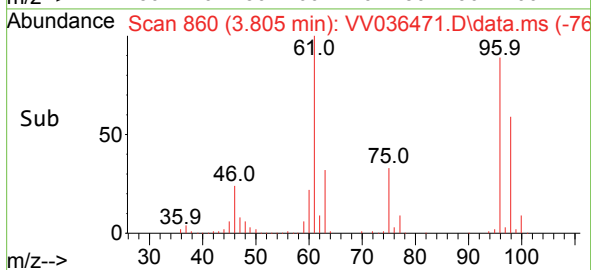
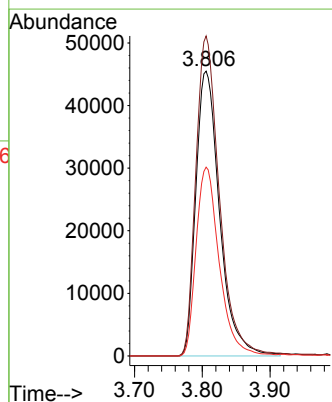
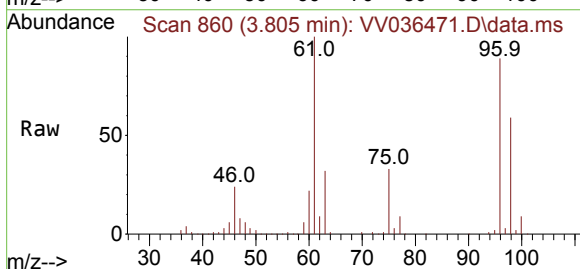
Tgt Ion: 96 Resp: 110868

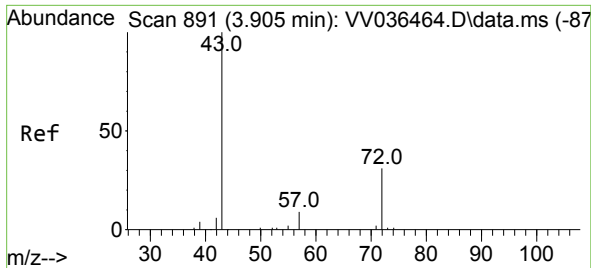
Ion Ratio Lower Upper

96 100

61 112.3 83.7 155.5

98 66.3 44.2 82.0

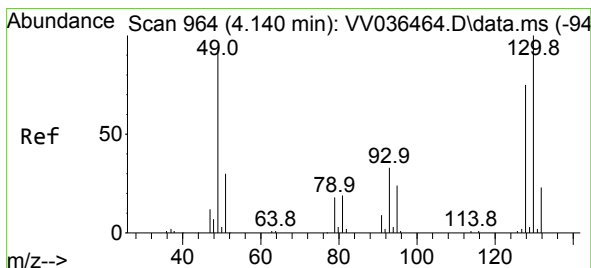
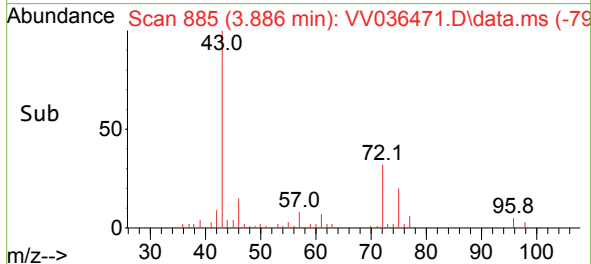
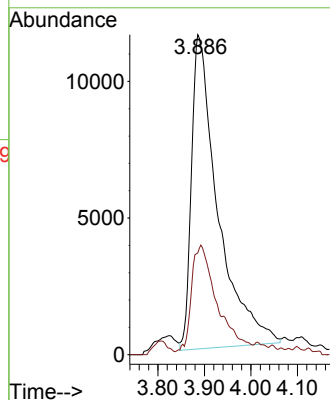
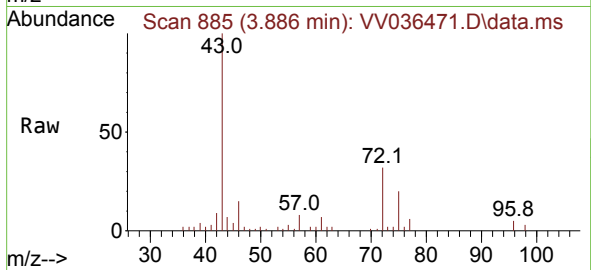




#22
2-Butanone
Concen: 35.329 ug/L
RT: 3.886 min Scan# 891
Delta R.T. -0.019 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

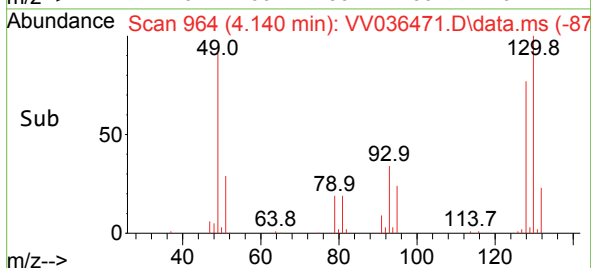
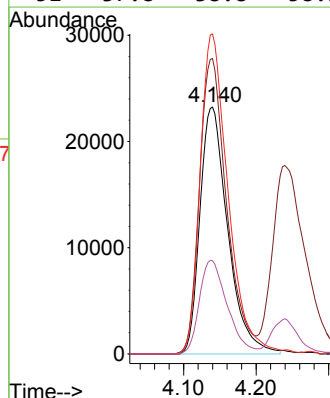
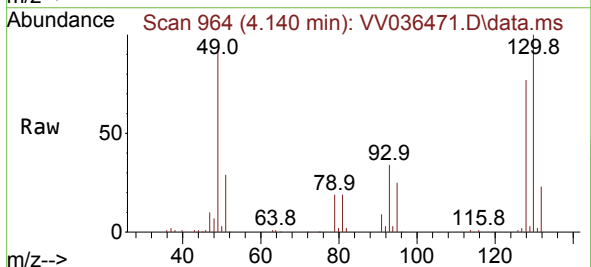
Instrument :
MSVOA_V
ClientSampleId :

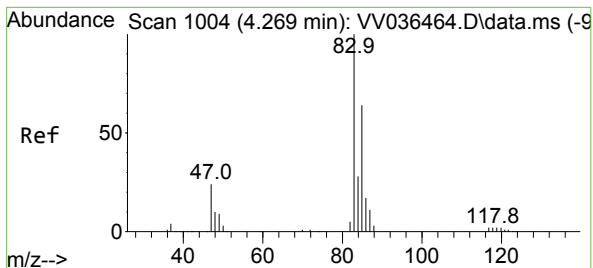
Tgt Ion: 43 Resp: 45227
Ion Ratio Lower Upper
43 100
72 0.4 12.9 38.7#



#23
Bromochloromethane
Concen: 26.473 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.000 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

Tgt Ion:128 Resp: 61905
Ion Ratio Lower Upper
128 100
49 119.7 99.2 184.2
130 129.6 88.9 165.1
51 37.8 38.8 58.2#





#25

Chloroform

Concen: 27.901 ug/L

RT: 4.265 min Scan# 1003

Delta R.T. -0.003 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

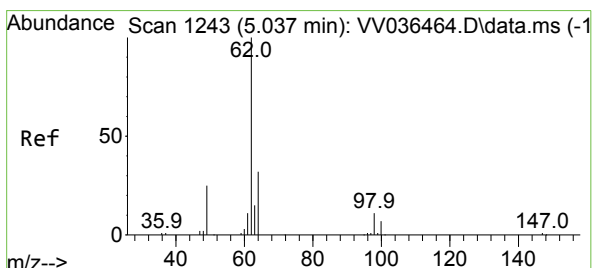
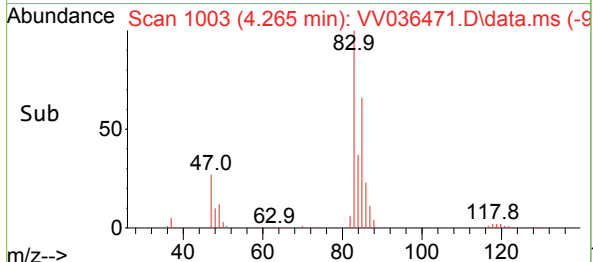
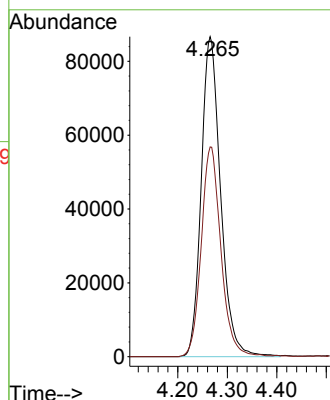
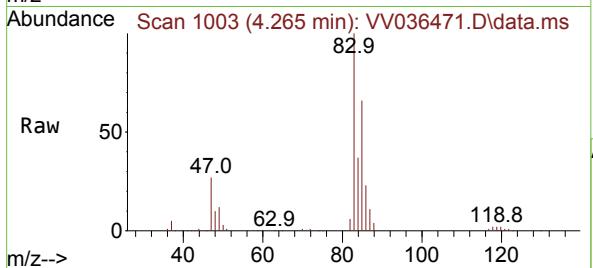
ClientSampleId :

Tgt Ion: 83 Resp: 235927

Ion Ratio Lower Upper

83 100

85 65.6 45.0 83.6



#27

1,2-Dichloroethane

Concen: 25.251 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV036471.D

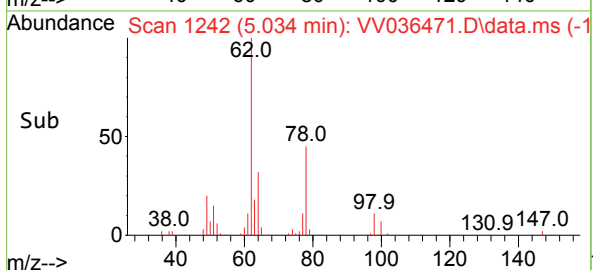
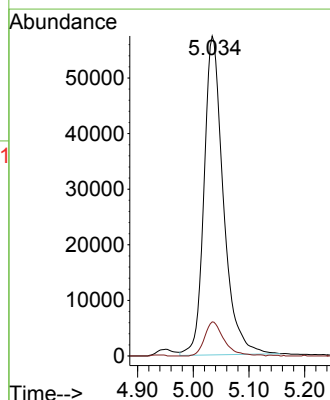
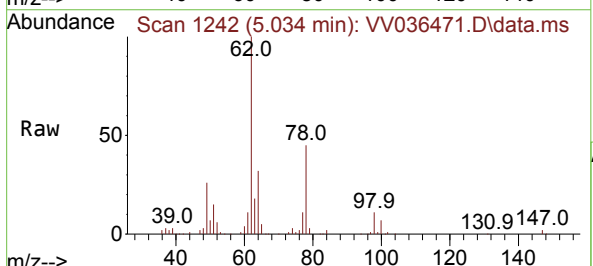
Acq: 08 Jul 2024 17:10

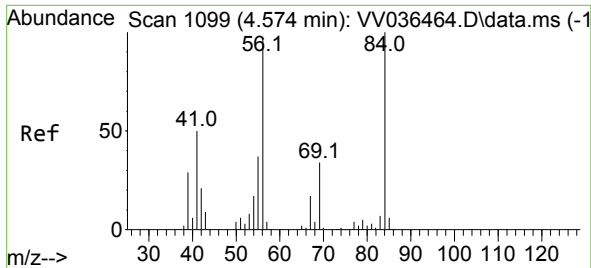
Tgt Ion: 62 Resp: 138258

Ion Ratio Lower Upper

62 100

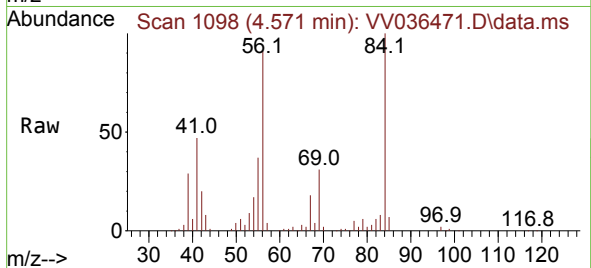
98 10.7 7.8 11.8



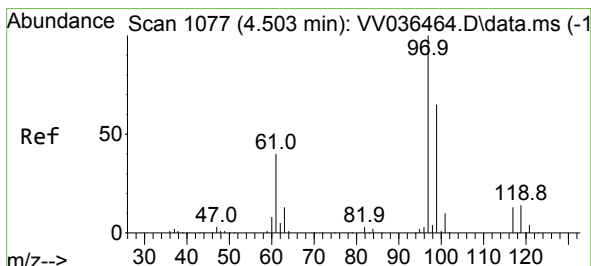
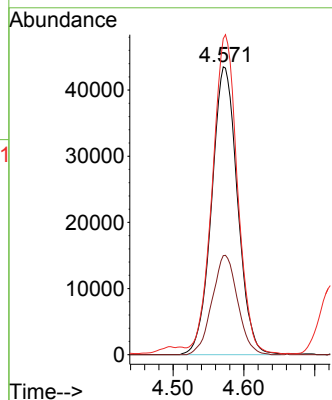
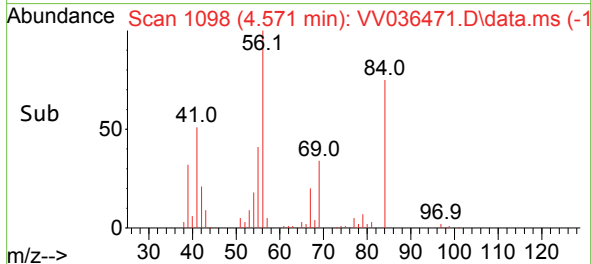


#29
Cyclohexane
Concen: 17.288 ug/L
RT: 4.571 min Scan# 1098
Delta R.T. -0.003 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

Instrument :
MSVOA_V
ClientSampleId :

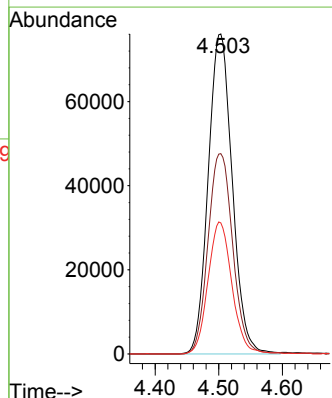
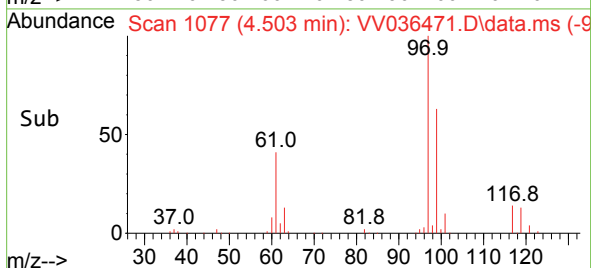
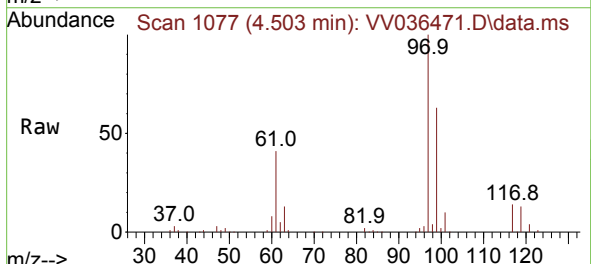


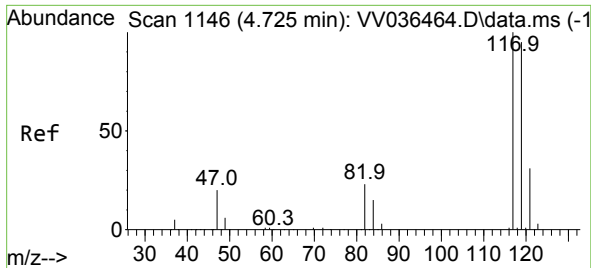
Tgt Ion: 56 Resp: 110064
Ion Ratio Lower Upper
56 100
69 34.1 26.0 39.0
84 107.6 77.4 116.0



#30
1,1,1-Trichloroethane
Concen: 26.965 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. 0.000 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

Tgt Ion: 97 Resp: 199795
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.0
61 41.0 34.8 52.2

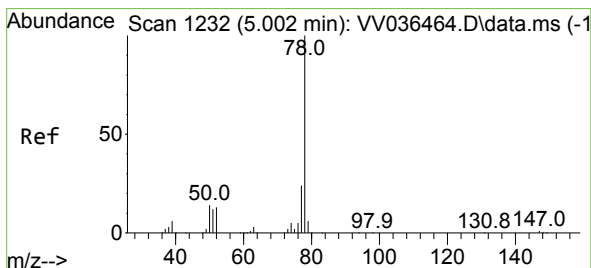
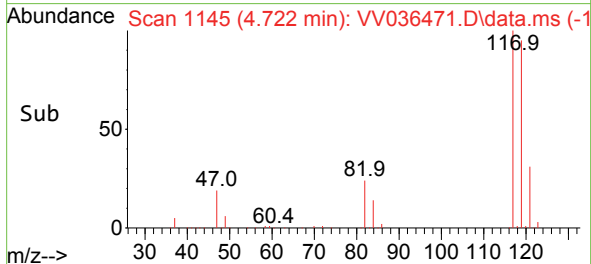
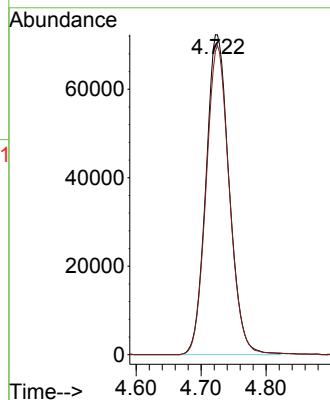
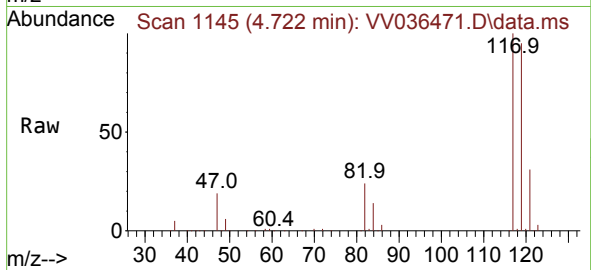




#31
Carbon tetrachloride
Concen: 27.288 ug/L
RT: 4.722 min Scan# 1146
Delta R.T. -0.003 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

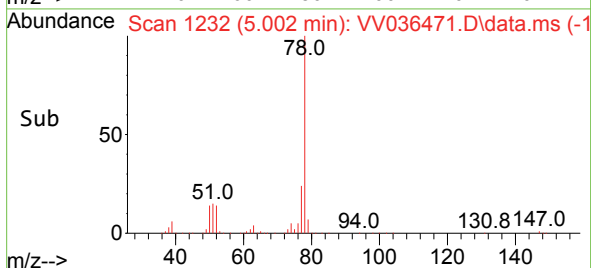
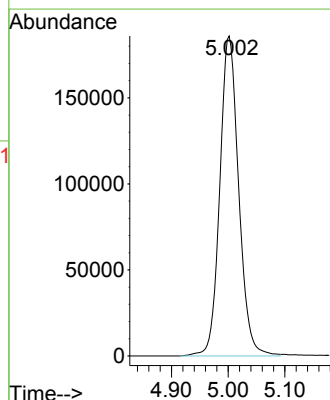
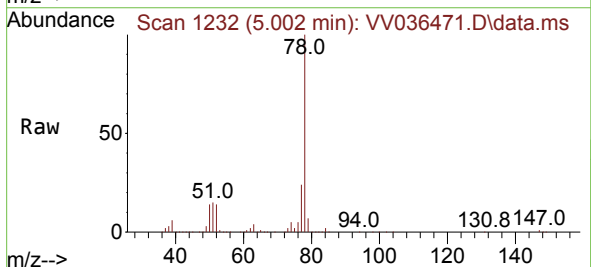
Instrument :
MSVOA_V
ClientSampleId :

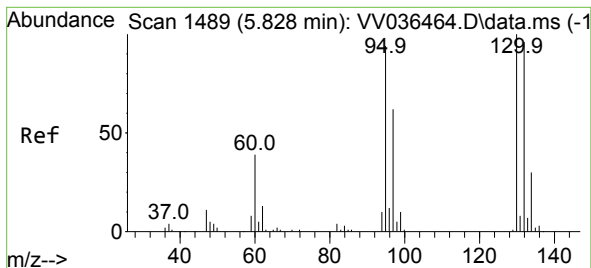
Tgt Ion:117 Resp: 180149
Ion Ratio Lower Upper
117 100
119 96.1 77.2 115.8



#33
Benzene
Concen: 24.327 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

Tgt Ion: 78 Resp: 430569





#34

Trichloroethene

Concen: 24.032 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. -0.003 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 134224

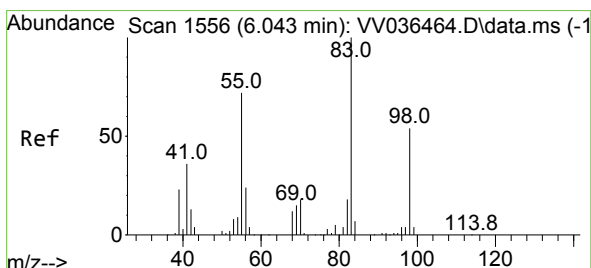
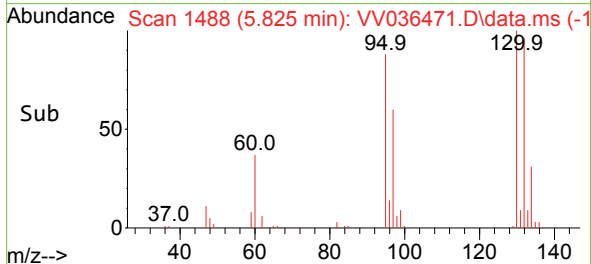
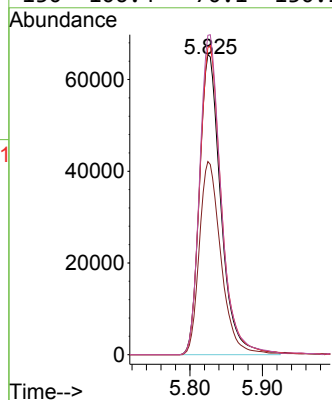
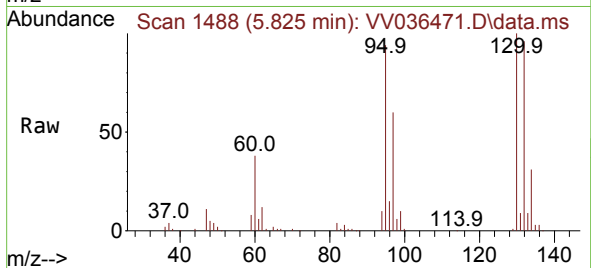
Ion Ratio Lower Upper

95 100

97 64.3 45.1 83.7

132 102.3 67.7 125.7

130 106.4 70.1 130.1



#35

Methylcyclohexane

Concen: 19.957 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

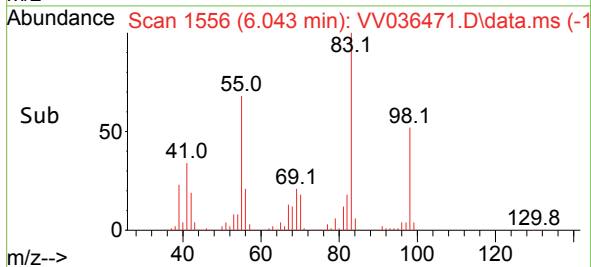
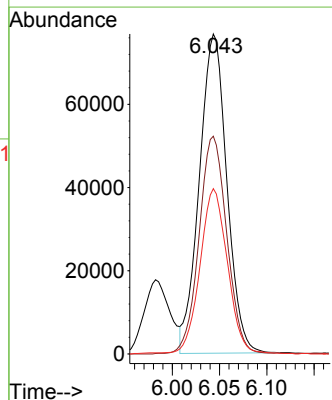
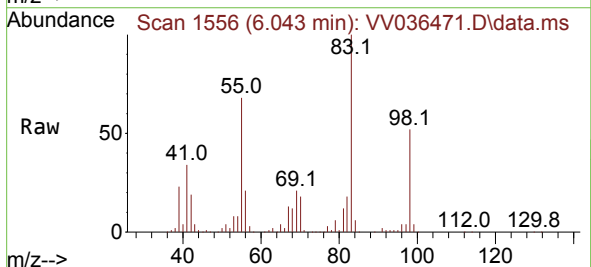
Tgt Ion: 83 Resp: 155336

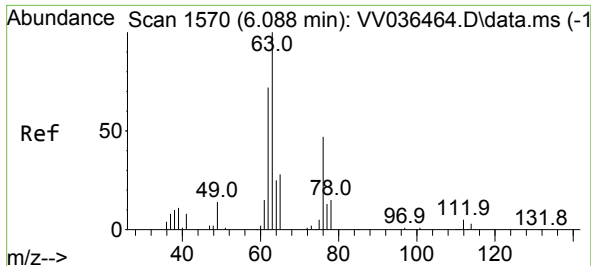
Ion Ratio Lower Upper

83 100

55 68.9 56.0 84.0

98 51.9 39.0 58.6





#37

1,2-Dichloropropane

Concen: 24.390 ug/L

RT: 6.085 min Scan# 1569

Delta R.T. -0.003 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

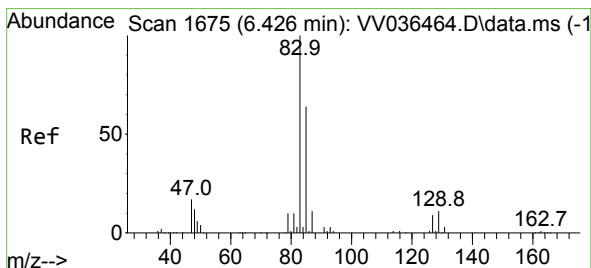
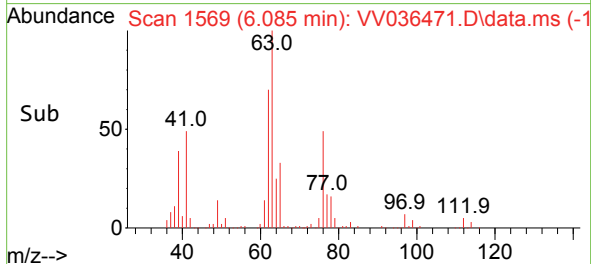
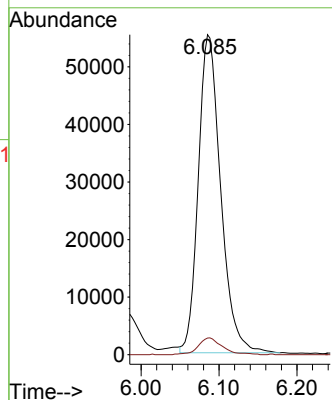
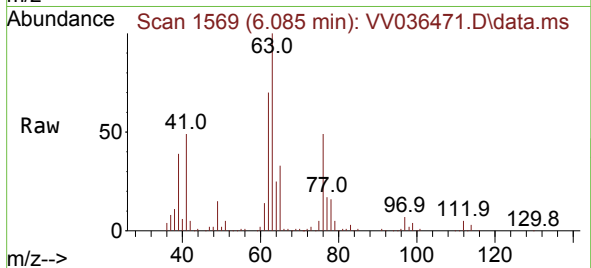
ClientSampleId :

Tgt Ion: 63 Resp: 110250

Ion Ratio Lower Upper

63 100

112 5.7 3.4 5.2#



#38

Bromodichloromethane

Concen: 26.166 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

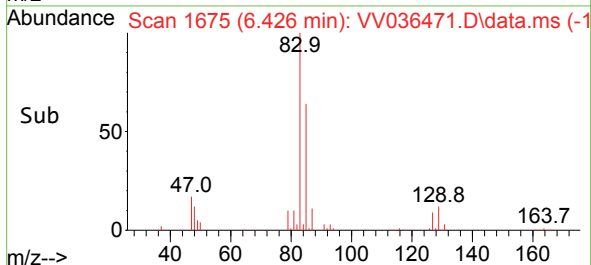
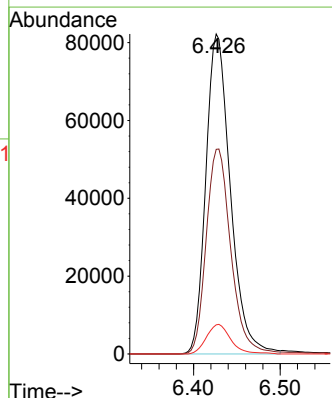
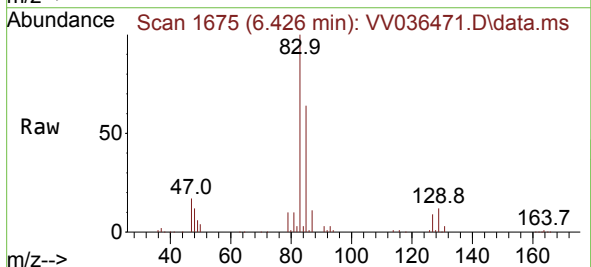
Tgt Ion: 83 Resp: 161770

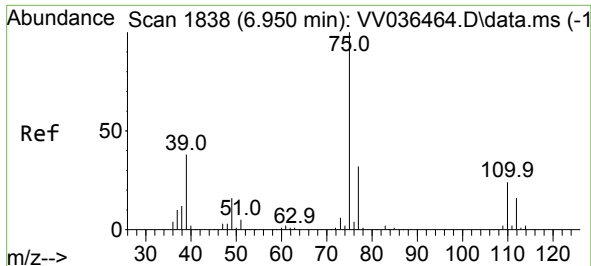
Ion Ratio Lower Upper

83 100

85 64.0 44.9 83.5

127 9.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 23.155 ug/L

RT: 6.950 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

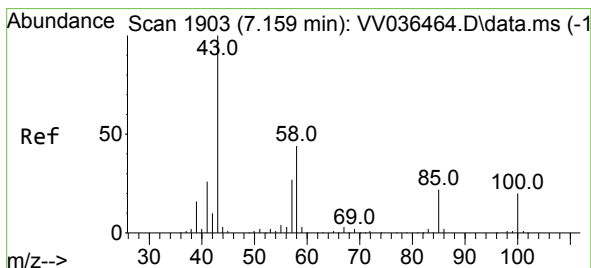
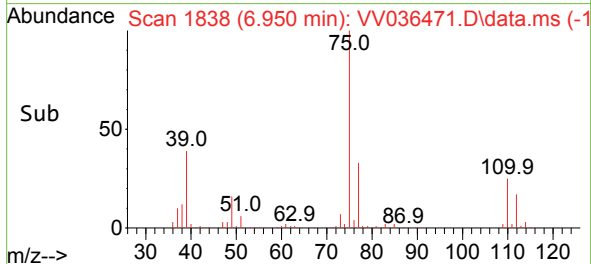
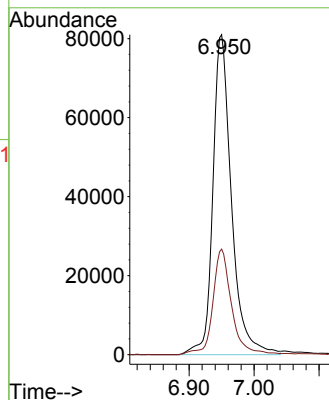
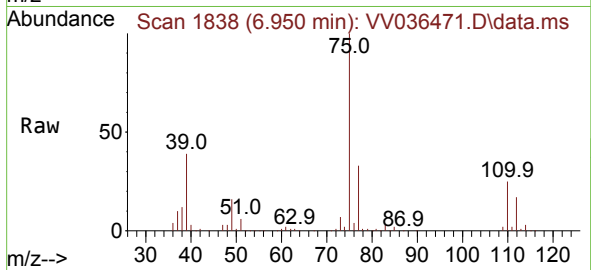
ClientSampleId :

Tgt Ion: 75 Resp: 160945

Ion Ratio Lower Upper

75 100

77 33.0 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 40.031 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

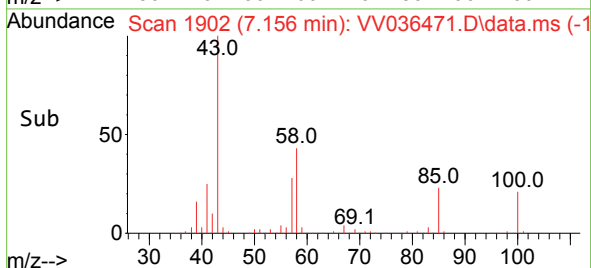
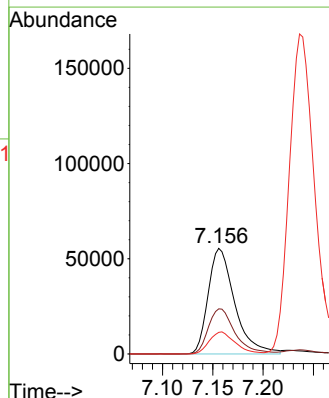
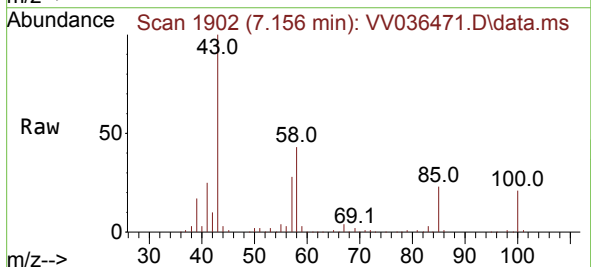
Tgt Ion: 43 Resp: 102053

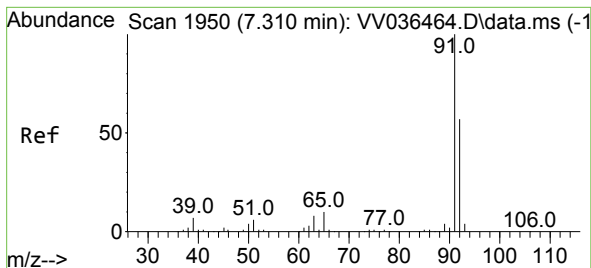
Ion Ratio Lower Upper

43 100

58 42.8 34.8 52.2

100 20.5 14.6 21.8





#42

Toluene

Concen: 25.889 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

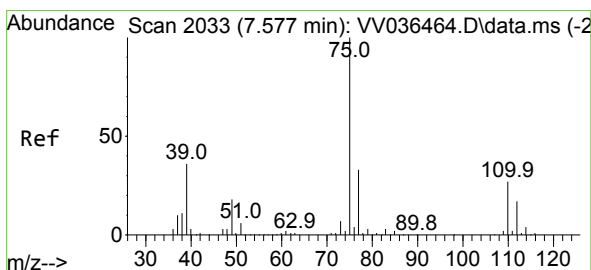
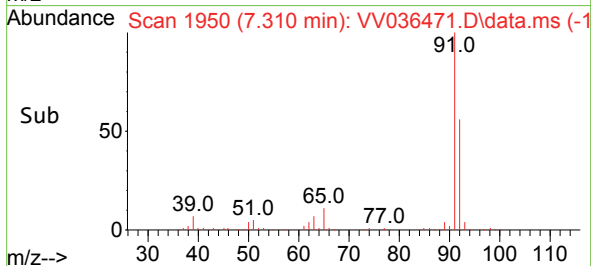
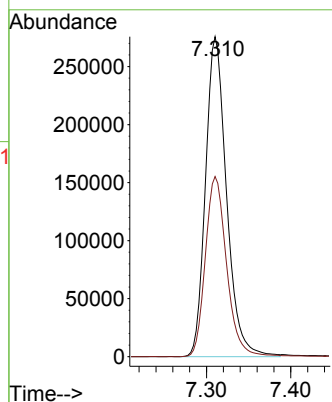
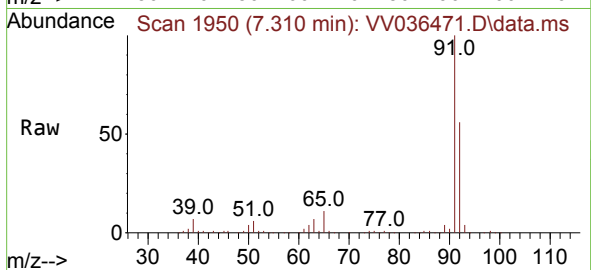
ClientSampleId :

Tgt Ion: 91 Resp: 479109

Ion Ratio Lower Upper

91 100

92 56.3 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 23.704 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV036471.D

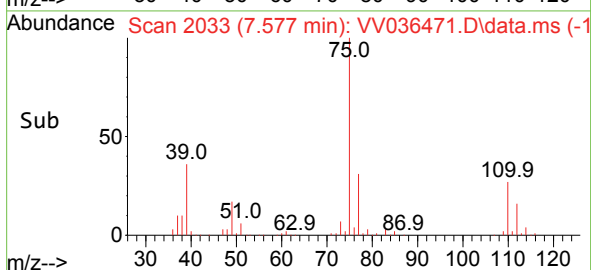
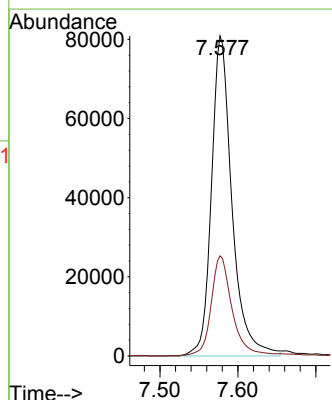
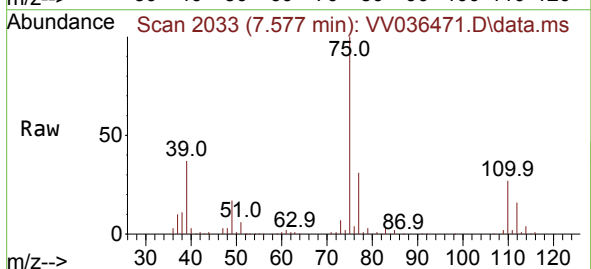
Acq: 08 Jul 2024 17:10

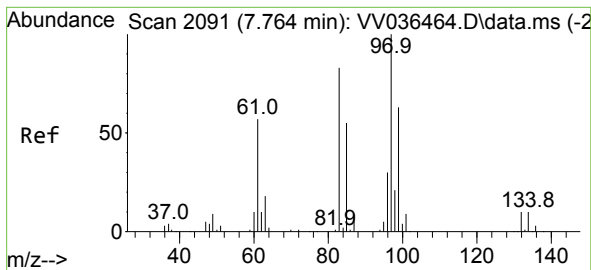
Tgt Ion: 75 Resp: 148195

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 25.839 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 103237

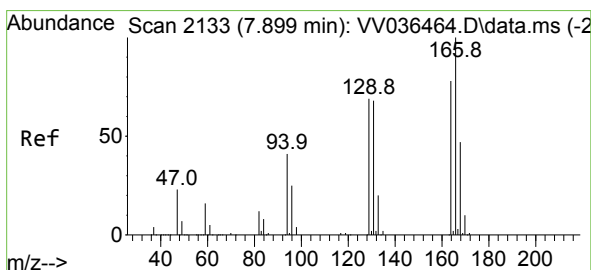
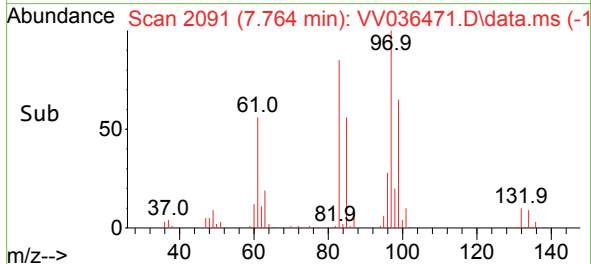
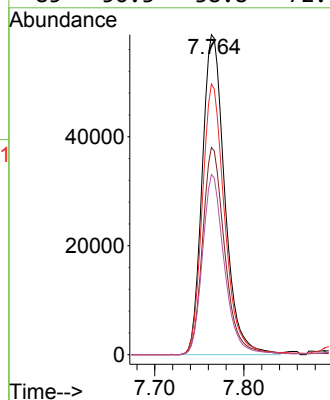
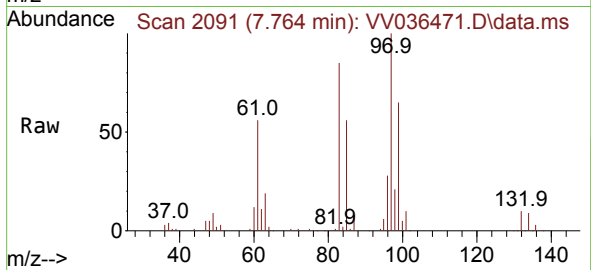
Ion Ratio Lower Upper

97 100

99 64.7 43.8 81.3

83 84.6 60.6 112.6

85 56.3 38.8 72.0



#46

Tetrachloroethene

Concen: 26.521 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Tgt Ion:164 Resp: 107652

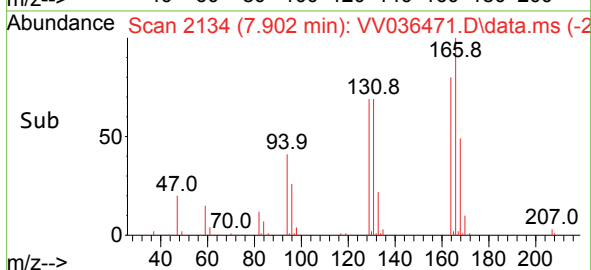
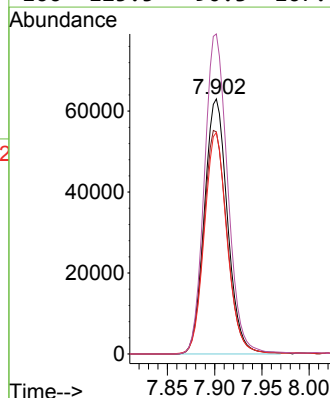
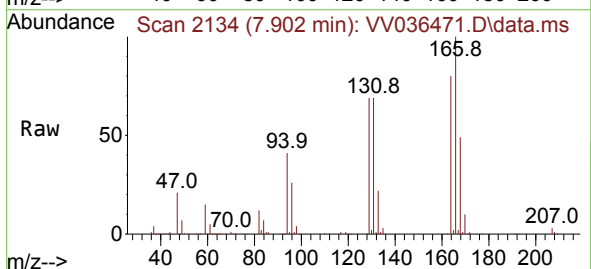
Ion Ratio Lower Upper

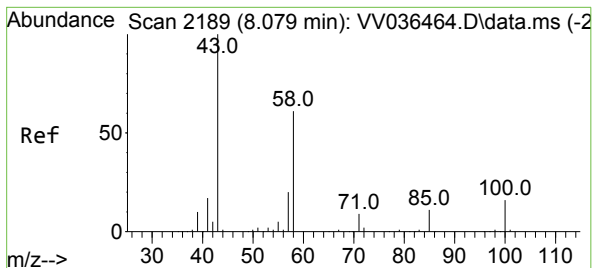
164 100

129 87.1 65.9 122.5

131 86.9 63.3 117.7

166 125.5 90.3 167.7





#48

2-Hexanone

Concen: 34.556 ug/L

RT: 8.075 min Scan# 2189

Delta R.T. -0.003 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 69294

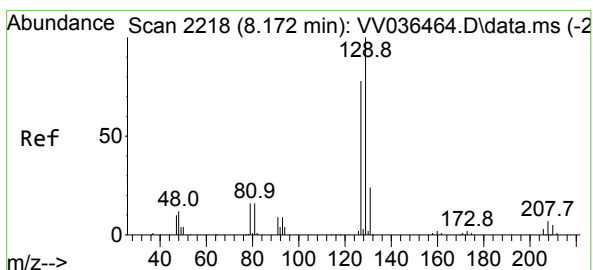
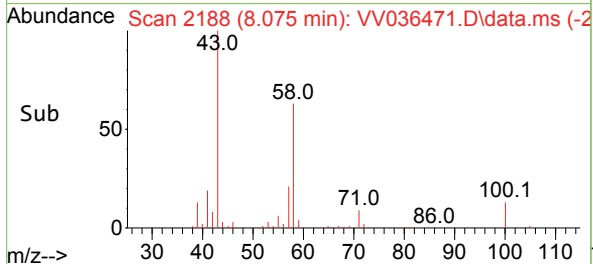
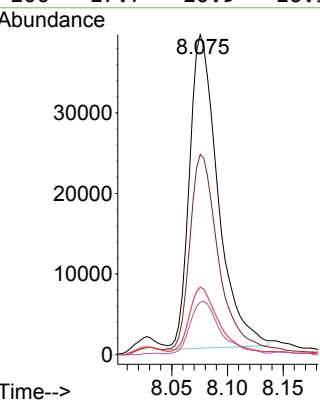
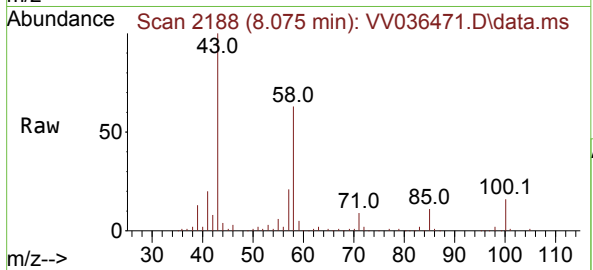
Ion Ratio Lower Upper

43 100

58 66.1 48.5 72.7

57 21.2 15.8 23.6

100 17.7 10.9 16.3#



#49

Dibromochloromethane

Concen: 27.450 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.000 min

Lab File: VV036471.D

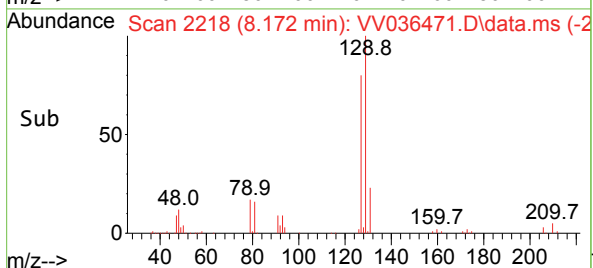
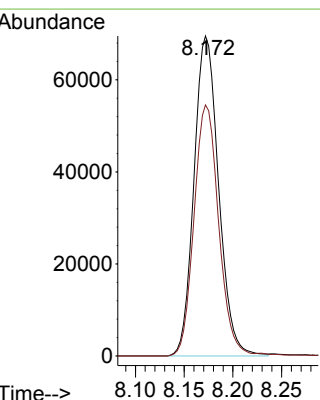
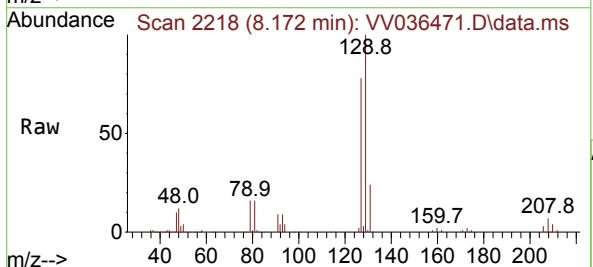
Acq: 08 Jul 2024 17:10

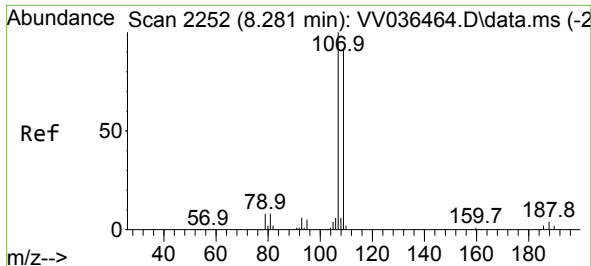
Tgt Ion:129 Resp: 122261

Ion Ratio Lower Upper

129 100

127 78.5 54.9 101.9





#50

1,2-Dibromoethane

Concen: 25.150 ug/L

RT: 8.278 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV036471.D

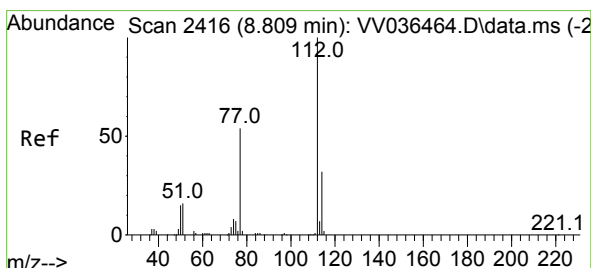
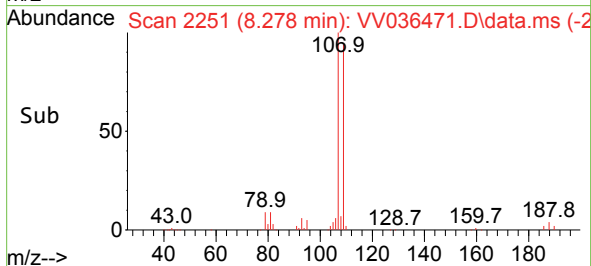
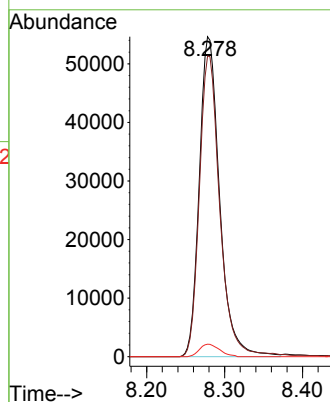
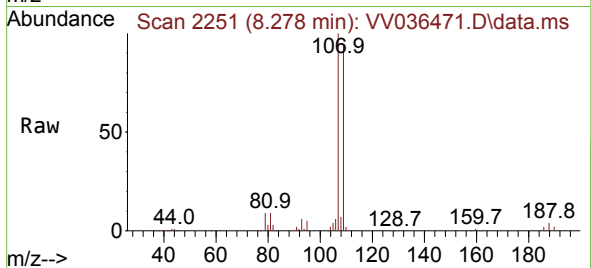
Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	98992
Ion	Ratio	Lower Upper
107	100	
109	94.0	64.7 120.1
188	3.9	3.0 4.6



#51

Chlorobenzene

Concen: 25.257 ug/L

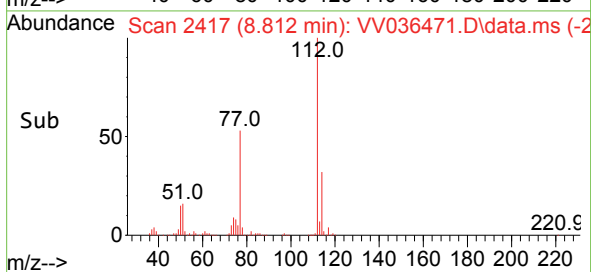
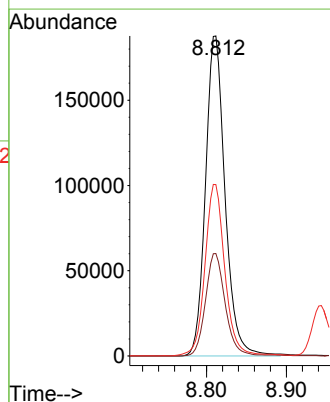
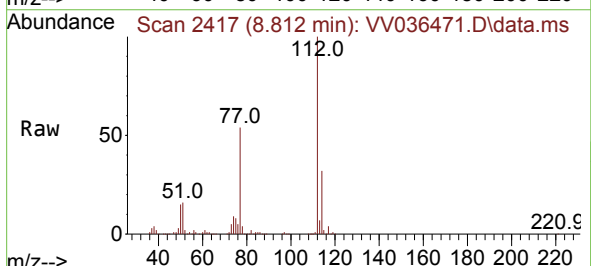
RT: 8.812 min Scan# 2417

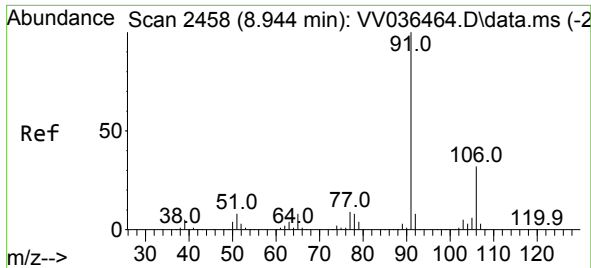
Delta R.T. 0.003 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Tgt Ion:112	Resp:	319519
Ion	Ratio	Lower Upper
112	100	
114	32.0	22.8 42.4
77	53.6	46.2 69.2

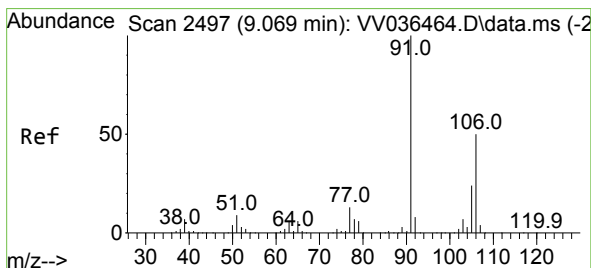
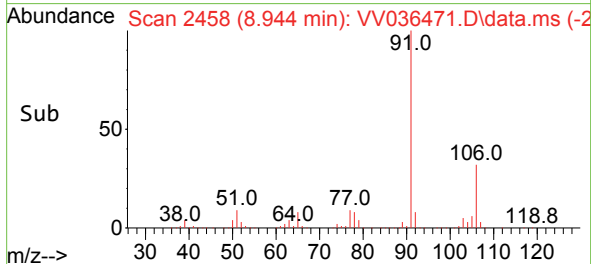
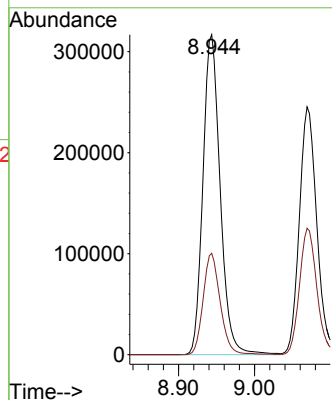
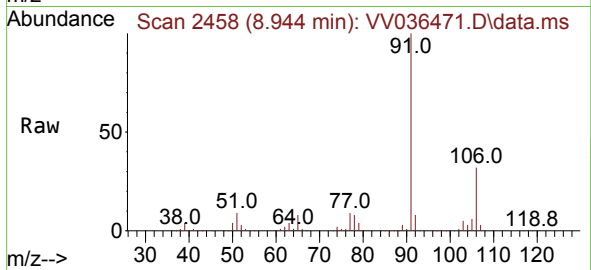




#52
Ethylbenzene
Concen: 24.993 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

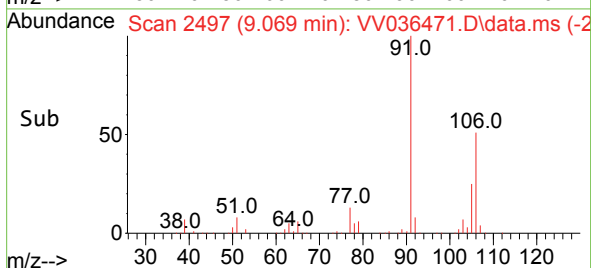
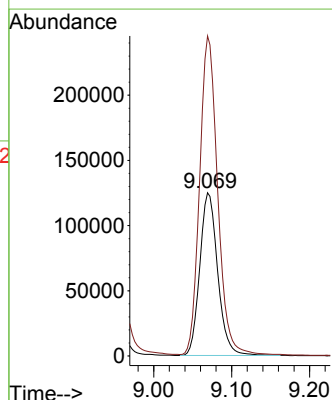
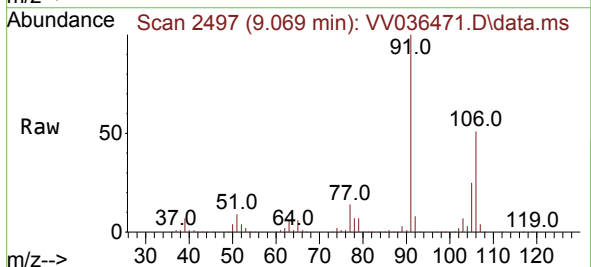
Instrument :
MSVOA_V
ClientSampleId :

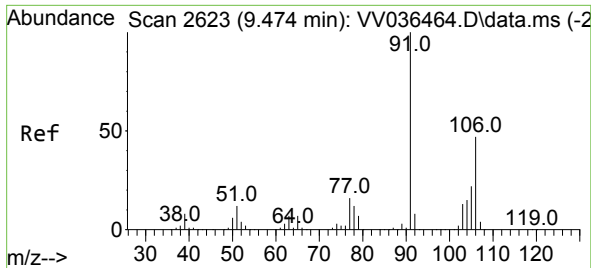
Tgt Ion: 91 Resp: 499153
Ion Ratio Lower Upper
91 100
106 31.7 21.8 40.4



#53
m,p-Xylene
Concen: 26.756 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

Tgt Ion: 106 Resp: 199155
Ion Ratio Lower Upper
106 100
91 196.0 142.2 264.0

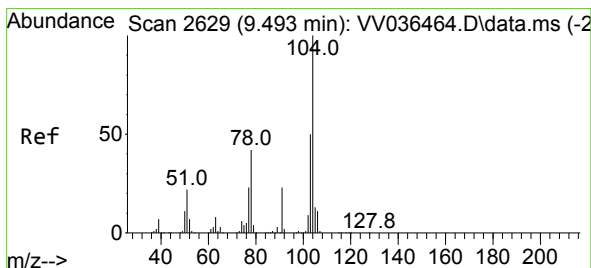
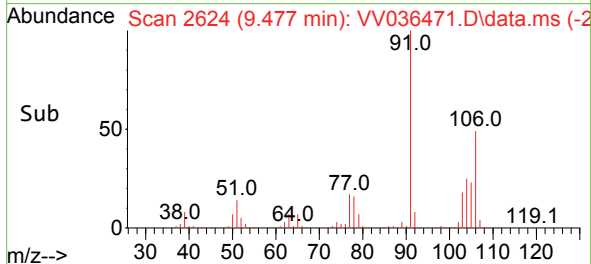
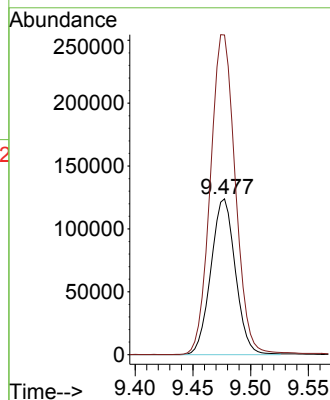
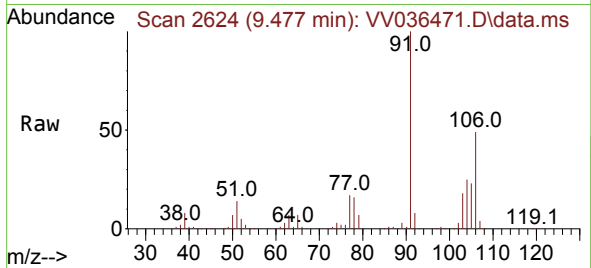




#54
o-Xylene
Concen: 26.122 ug/L
RT: 9.477 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

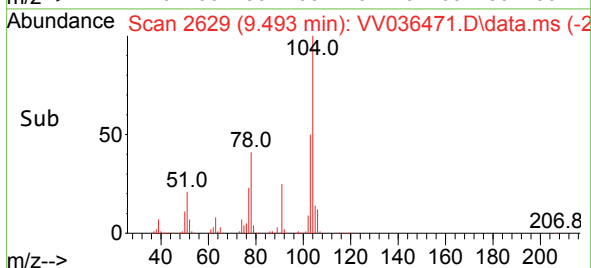
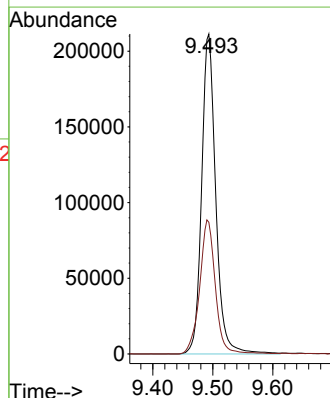
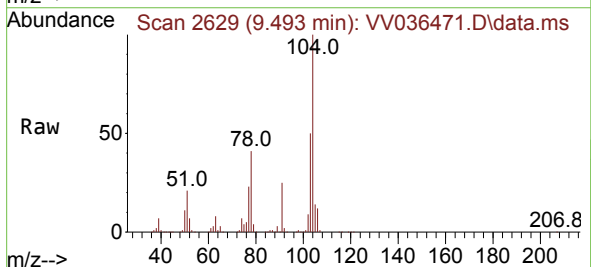
Instrument :
MSVOA_V
ClientSampleId :

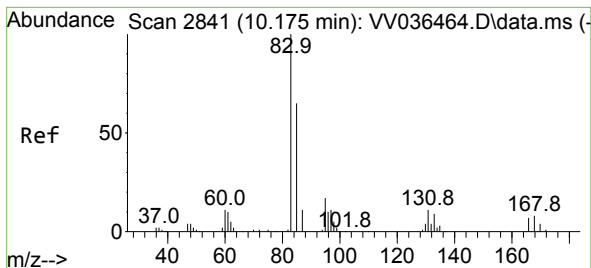
Tgt Ion:106 Resp: 182849
Ion Ratio Lower Upper
106 100
91 205.1 152.7 283.7



#55
Styrene
Concen: 28.267 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

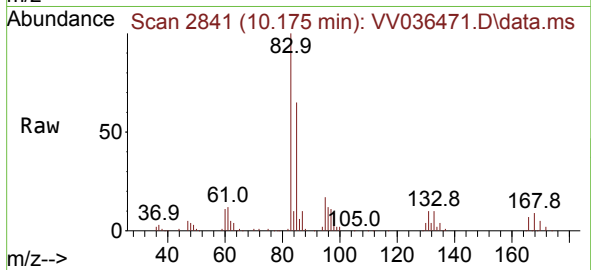
Tgt Ion:104 Resp: 346772
Ion Ratio Lower Upper
104 100
78 41.2 30.2 56.2



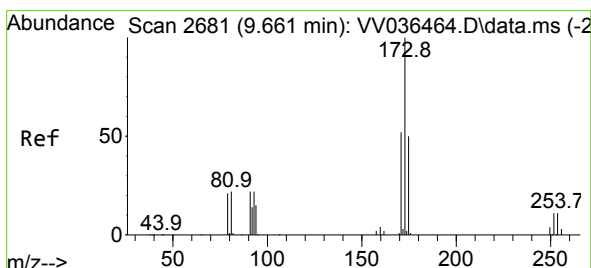
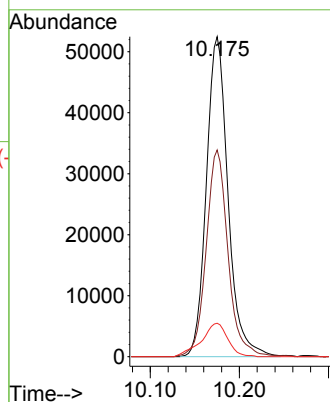
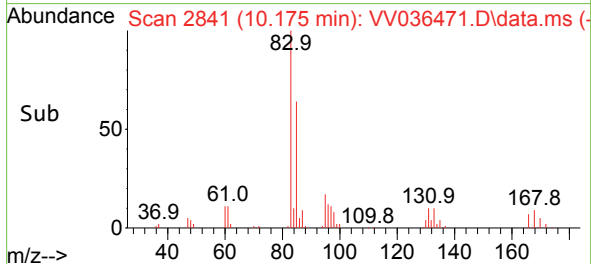


#57
1,1,2,2-Tetrachloroethane
Concen: 24.757 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10

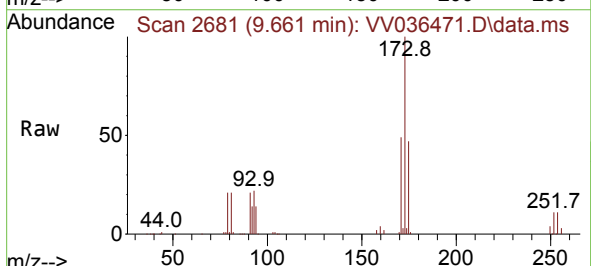
Instrument :
MSVOA_V
ClientSampleId :



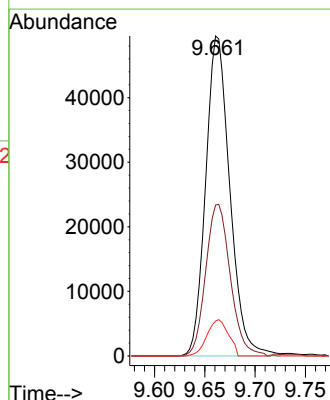
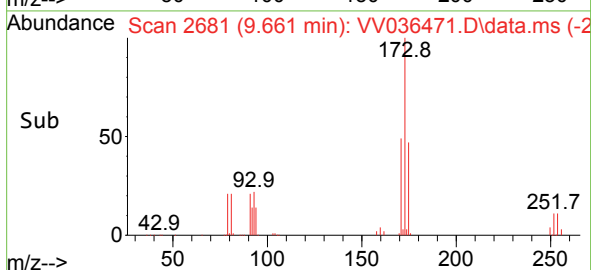
Tgt Ion: 83 Resp: 88528
Ion Ratio Lower Upper
83 100
85 64.6 45.7 84.9
131 10.5 7.8 11.6

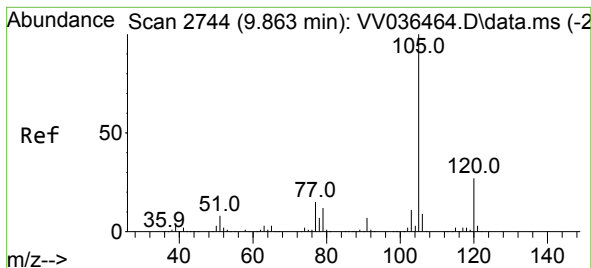


#59
Bromoform
Concen: 24.638 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.000 min
Lab File: VV036471.D
Acq: 08 Jul 2024 17:10



Tgt Ion: 173 Resp: 82825
Ion Ratio Lower Upper
173 100
175 48.1 38.9 58.3
254 10.1 7.2 10.8





#60

Isopropylbenzene

Concen: 23.921 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV036471.D

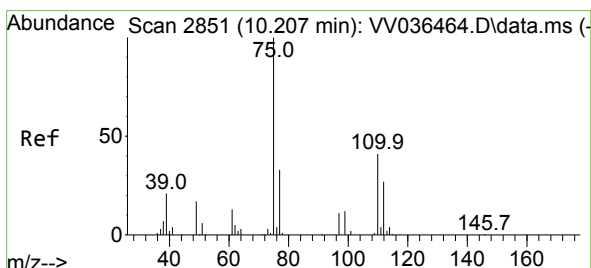
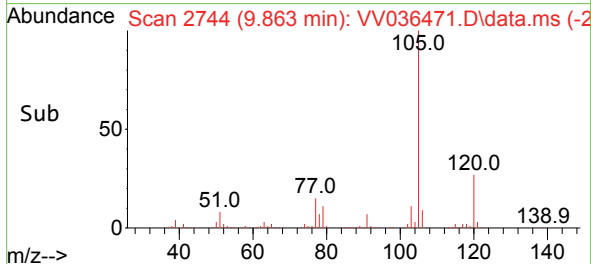
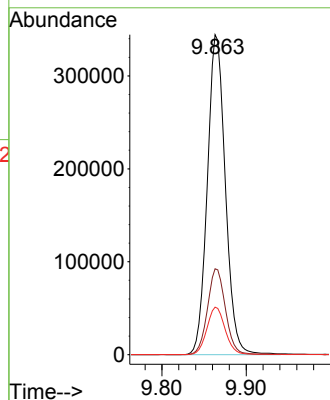
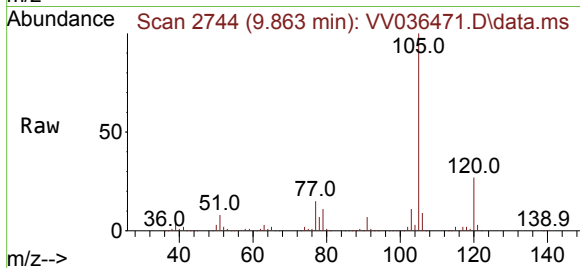
Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	105	Resp:	513515
Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.2	31.8
77	14.9	12.5	18.7



#61

1,2,3-Trichloropropane

Concen: 20.844 ug/L

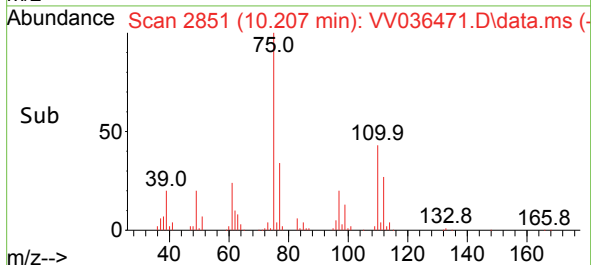
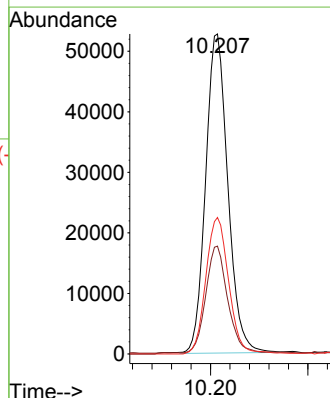
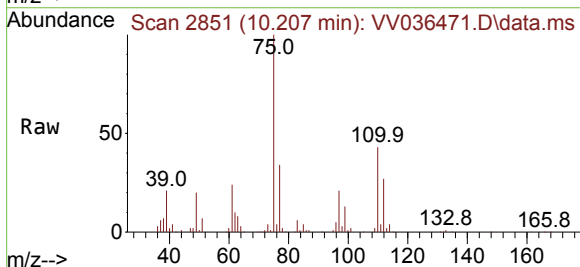
RT: 10.207 min Scan# 2851

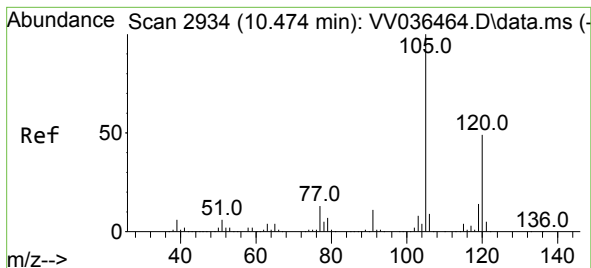
Delta R.T. 0.000 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Tgt Ion:	75	Resp:	83539
Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.2	37.8
110	43.8	31.7	47.5





#62

1,3,5-Trimethylbenzene

Concen: 22.759 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

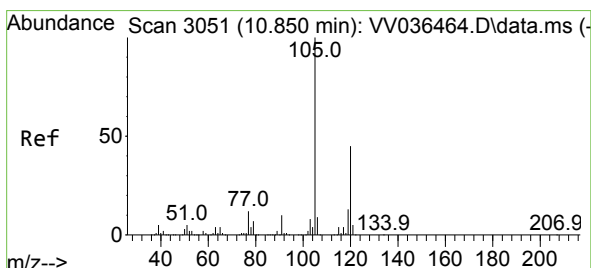
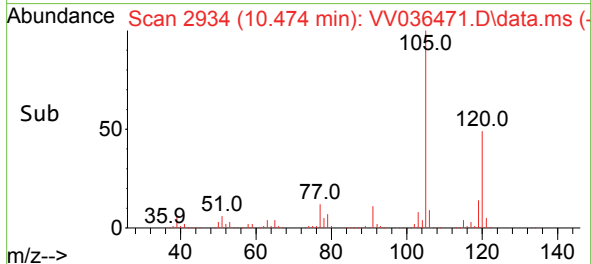
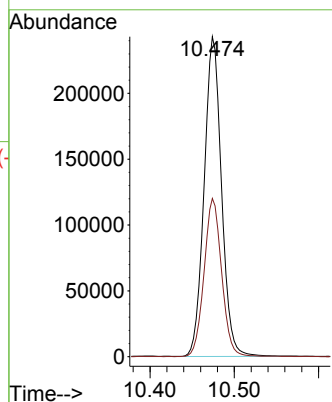
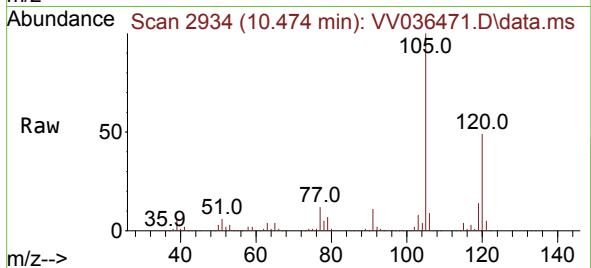
ClientSampleId :

Tgt Ion:105 Resp: 349649

Ion Ratio Lower Upper

105 100

120 49.9 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 23.243 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV036471.D

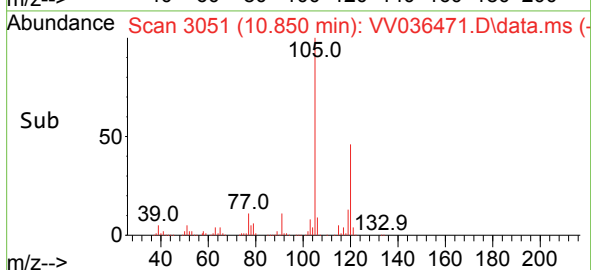
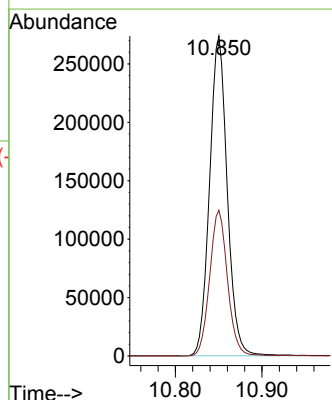
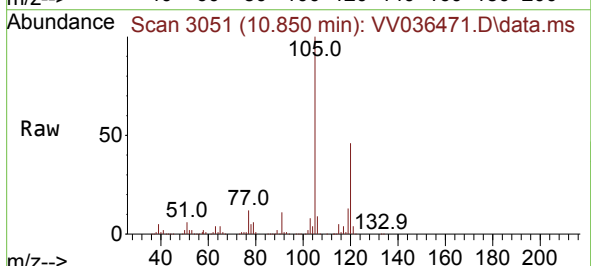
Acq: 08 Jul 2024 17:10

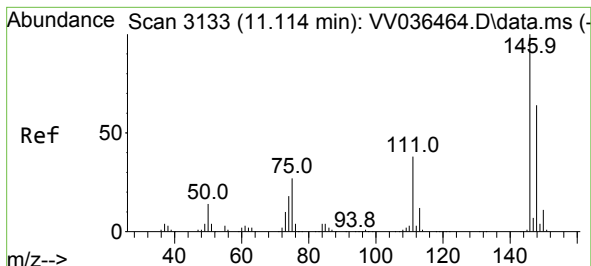
Tgt Ion:105 Resp: 388040

Ion Ratio Lower Upper

105 100

120 46.1 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 23.767 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

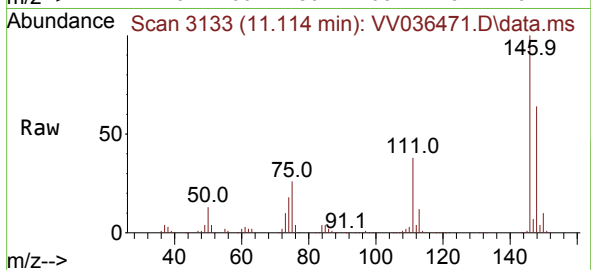
Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :



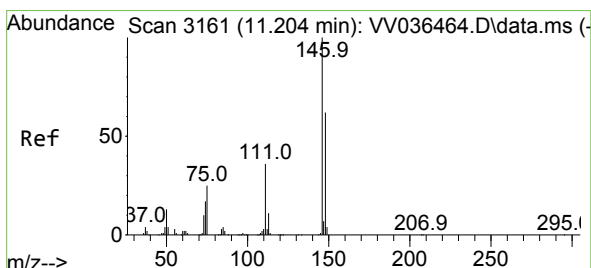
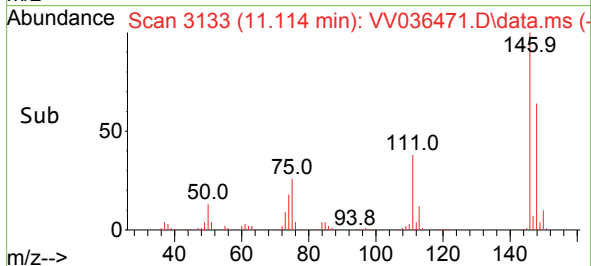
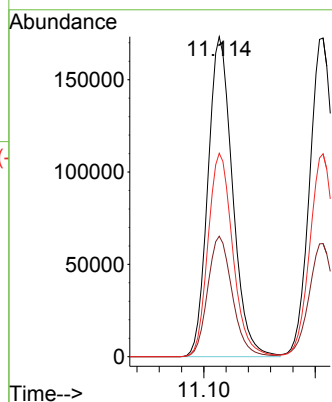
Tgt Ion:146 Resp: 265863

Ion Ratio Lower Upper

146 100

111 37.6 27.5 51.1

148 63.5 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 22.979 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

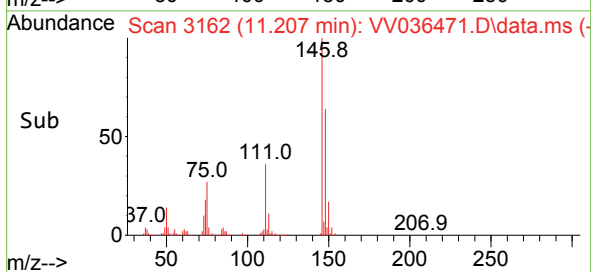
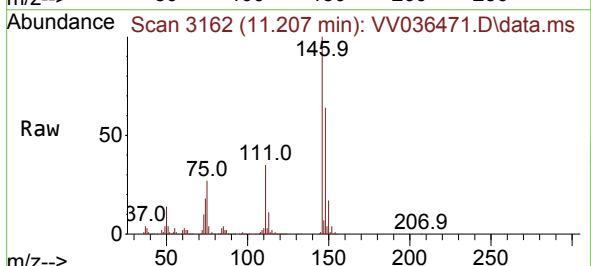
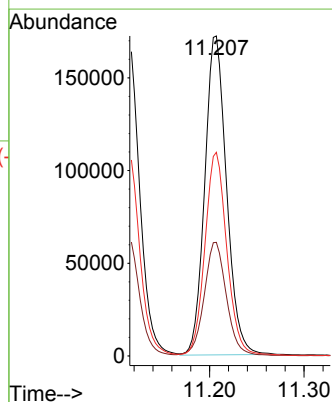
Tgt Ion:146 Resp: 275537

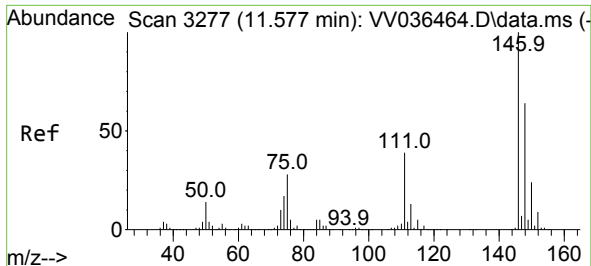
Ion Ratio Lower Upper

146 100

111 35.5 27.5 51.1

148 63.7 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 23.311 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

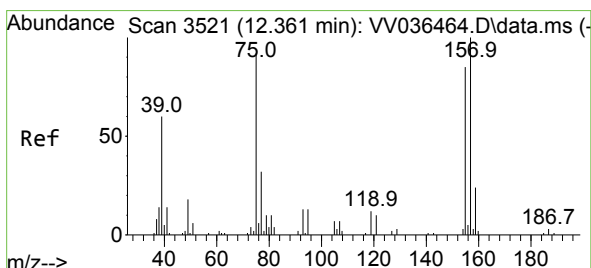
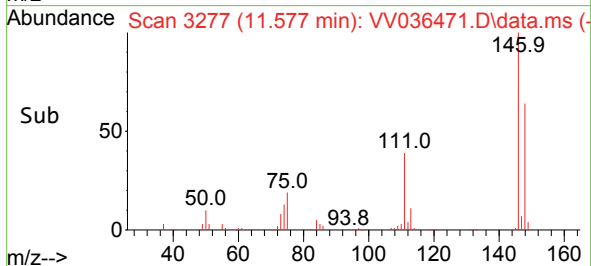
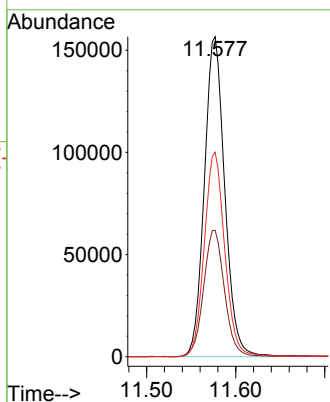
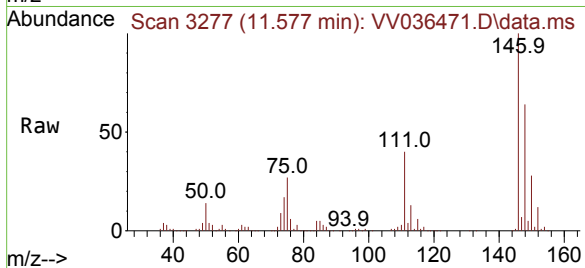
Tgt Ion:146 Resp: 248941

Ion Ratio Lower Upper

146 100

111 39.5 33.3 49.9

148 63.9 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 20.199 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

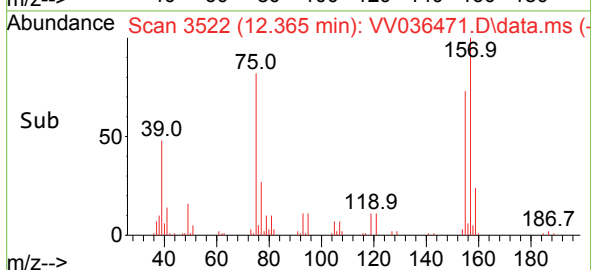
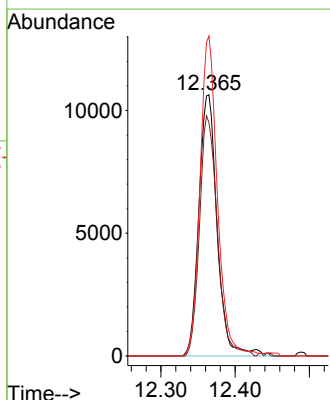
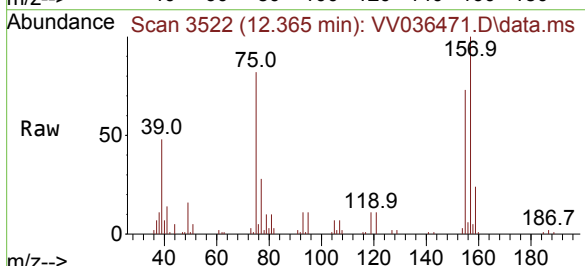
Tgt Ion: 75 Resp: 18162

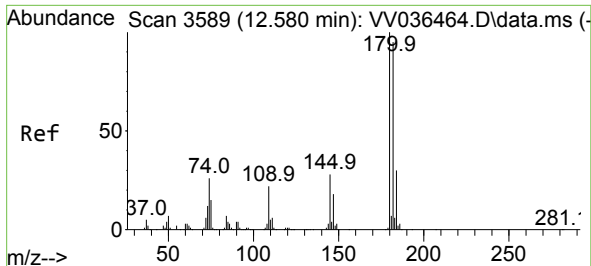
Ion Ratio Lower Upper

75 100

155 89.5 68.3 102.5

157 122.6 95.7 143.5





#69

1,3,5-Trichlorobenzene

Concen: 22.035 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 185600

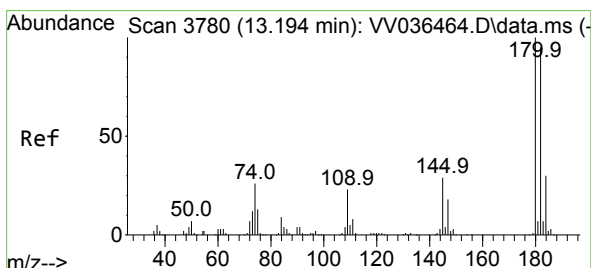
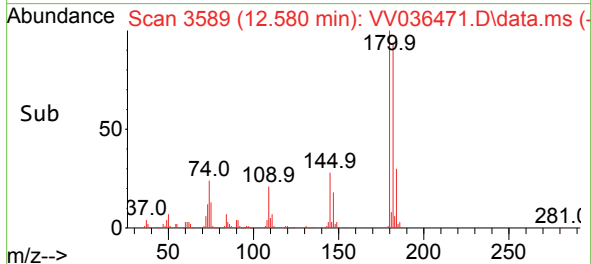
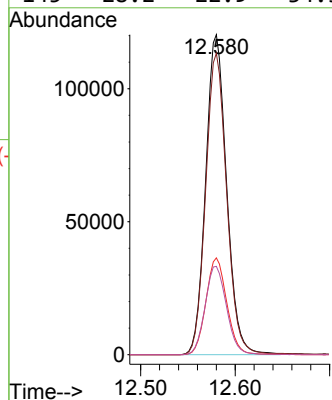
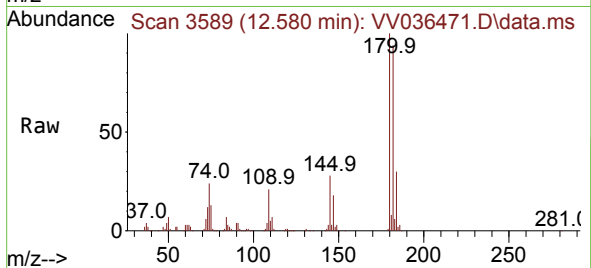
Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.4

184 30.2 23.3 34.9

145 28.2 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 20.440 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

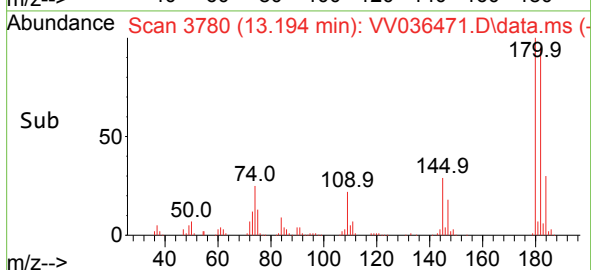
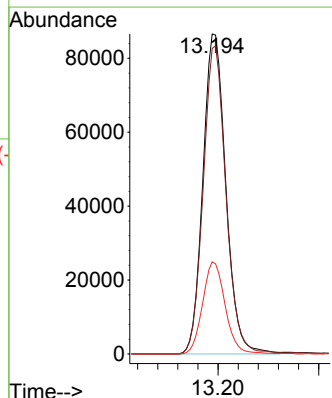
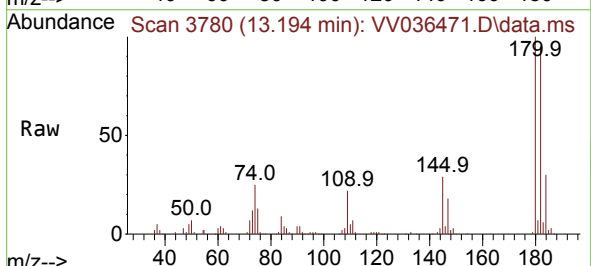
Tgt Ion:180 Resp: 137296

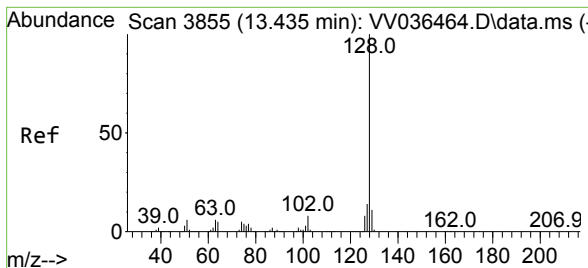
Ion Ratio Lower Upper

180 100

182 95.2 76.1 114.1

145 28.3 23.8 35.8





#71

Naphthalene

Concen: 17.141 ug/L

RT: 13.439 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Instrument :

MSVOA_V

ClientSampleId :

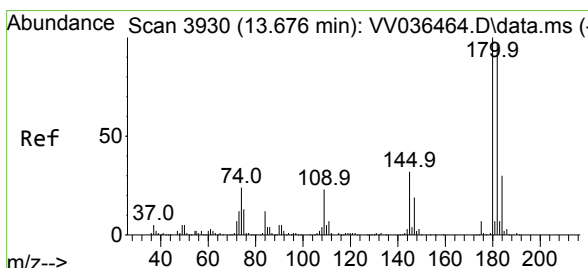
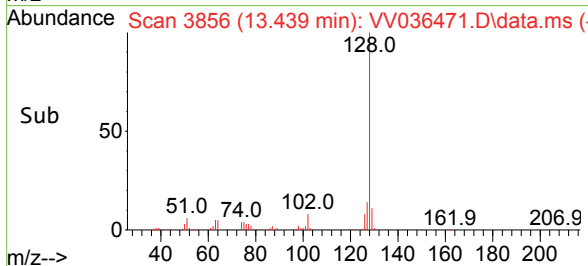
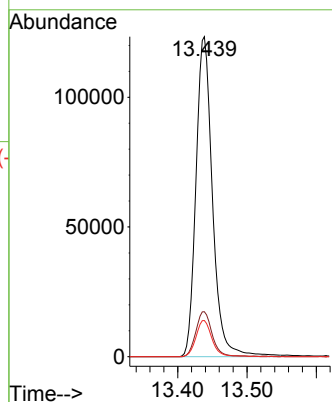
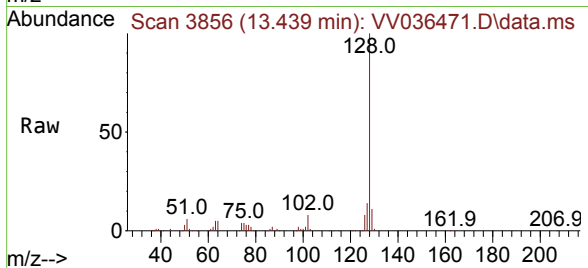
Tgt Ion:128 Resp: 205283

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 20.713 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036471.D

Acq: 08 Jul 2024 17:10

Tgt Ion:180 Resp: 130830

Ion Ratio Lower Upper

180 100

182 95.1 76.7 115.1

145 30.4 25.0 37.4

