

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072424\
 Data File : VW036661.D
 Acq On : 24 Jul 2024 09:09
 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 25 00:44:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 24 00:57:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	343331	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	352971	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	207623	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	86230	22.932	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.720%
7) Chloroethane-d5	1.526	69	84369	24.842	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.360%
11) 1,1-Dichloroethene-d2	2.050	65	47806	24.044	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.160%
21) 2-Butanone-d5	3.838	46	12811	14.598	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	29.200%
24) Chloroform-d	4.239	84	240765	26.515	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.080%
26) 1,2-Dichloroethane-d4	4.934	65	121302	27.079	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.320%
32) Benzene-d6	4.950	84	413191	24.699	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.800%
36) 1,2-Dichloropropane-d6	5.982	67	116676	24.478	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.920%
41) Toluene-d8	7.236	98	399188	25.005	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.000%
43) trans-1,3-Dichloroprop...	7.551	79	53456	25.227	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.920%
47) 2-Hexanone-d5	8.030	63	32504	51.239	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.480%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	106725	25.689	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.760%
66) 1,2-Dichlorobenzene-d4	11.557	152	172849	23.849	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	154091	26.465	ug/L	100
3) Chloromethane	1.211	50	118194	26.385	ug/L	99
5) Vinyl chloride	1.275	62	145535	26.271	ug/L	99
6) Bromomethane	1.481	94	118822	26.827	ug/L	97
8) Chloroethane	1.542	64	95434	26.583	ug/L	99
9) Trichlorofluoromethane	1.706	101	261545	27.191	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	163109	27.254	ug/L	99
12) 1,1-Dichloroethene	2.059	96	146296	27.621	ug/L	97
13) Acetone	2.156	43	66751	46.824	ug/L	82
14) Carbon disulfide	2.230	76	401006	27.278	ug/L	100
15) Methyl Acetate	2.387	43	41352	24.864	ug/L	96
16) Methylene chloride	2.439	84	151532	23.721	ug/L	96
17) trans-1,2-Dichloroethene	2.683	96	142799	26.696	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	289941	25.843	ug/L	98
19) 1,1-Dichloroethane	3.101	63	223695	26.655	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	143886	25.757	ug/L	98
22) 2-Butanone	3.915	43	48868	40.384	ug/L	90
23) Bromochloromethane	4.140	128	81853	27.571	ug/L	97
25) Chloroform	4.265	83	275484	27.195	ug/L	99

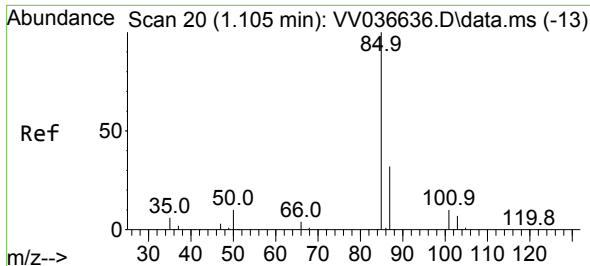
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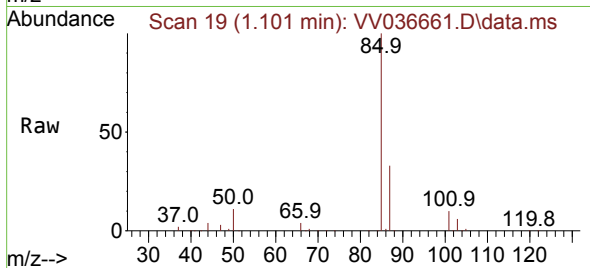
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	166405	27.376	ug/L	99
29) Cyclohexane	4.571	56	155936	24.779	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	240521	26.339	ug/L	100
31) Carbon tetrachloride	4.725	117	223688	26.218	ug/L	98
33) Benzene	5.002	78	527564	26.319	ug/L	100
34) Trichloroethene	5.825	95	168932	25.752	ug/L	98
35) Methylcyclohexane	6.043	83	223031	25.534	ug/L	99
37) 1,2-Dichloropropane	6.085	63	123478	26.766	ug/L	99
38) Bromodichloromethane	6.426	83	196572	26.135	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	201648	26.621	ug/L	96
40) 4-Methyl-2-pentanone	7.159	43	106790	49.574	ug/L	99
42) Toluene	7.310	91	607294	27.353	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	181750	26.719	ug/L	100
45) 1,1,2-Trichloroethane	7.763	97	121647	27.038	ug/L	100
46) Tetrachloroethene	7.898	164	149870	23.023	ug/L	99
48) 2-Hexanone	8.079	43	88452	52.370	ug/L	96
49) Dibromochloromethane	8.172	129	154149	27.194	ug/L	100
50) 1,2-Dibromoethane	8.278	107	120992	26.767	ug/L	99
51) Chlorobenzene	8.808	112	417135	25.949	ug/L	99
52) Ethylbenzene	8.940	91	649830	26.608	ug/L	100
53) m,p-Xylene	9.069	106	263181	27.602	ug/L	100
54) o-Xylene	9.474	106	246785	26.938	ug/L	100
55) Styrene	9.490	104	446791	28.761	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	106599	26.150	ug/L	97
59) Bromoform	9.660	173	103031	26.349	ug/L	99
60) Isopropylbenzene	9.863	105	673268	26.499	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	95683	26.142	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	544104	27.455	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	547647	27.298	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	370146	26.061	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	383972	26.251	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	346070	26.205	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	21998	25.522	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	290554	25.933	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	229911	25.262	ug/L	100
71) Naphthalene	13.435	128	313213	23.135	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	214746	26.151	ug/L	100

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

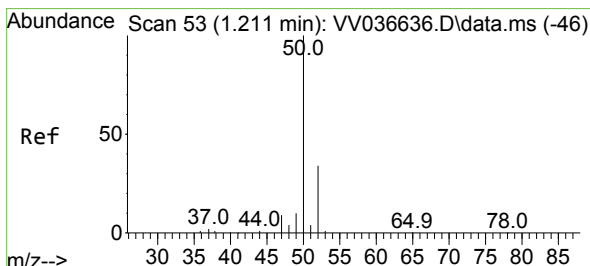
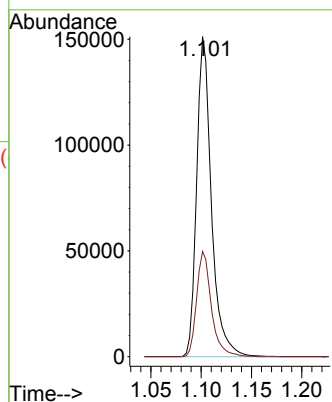
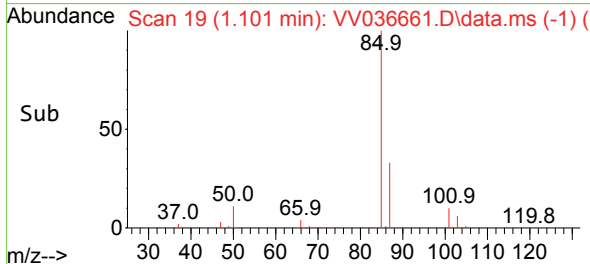


#2
Dichlorodifluoromethane
Concen: 26.465 ug/L
RT: 1.101 min Scan# 19
Delta R.T. -0.003 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

Instrument :
MSVOA_V
ClientSampleId :

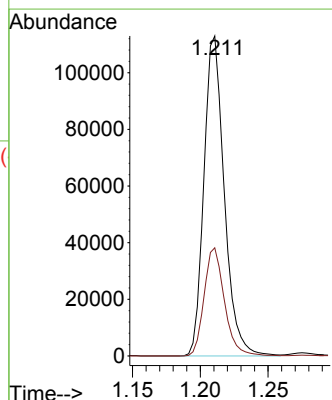
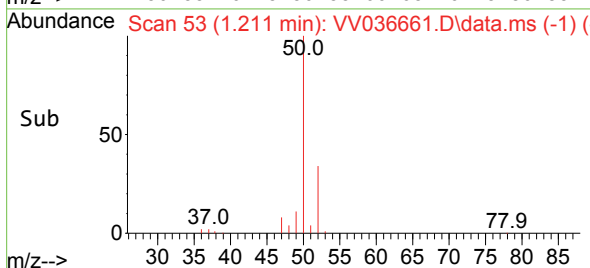
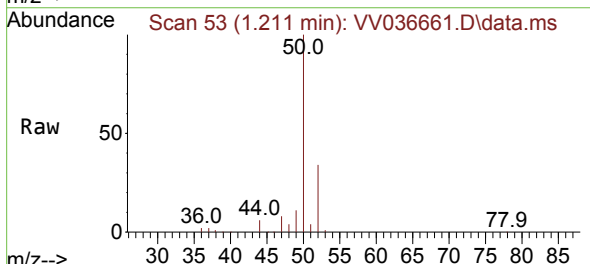


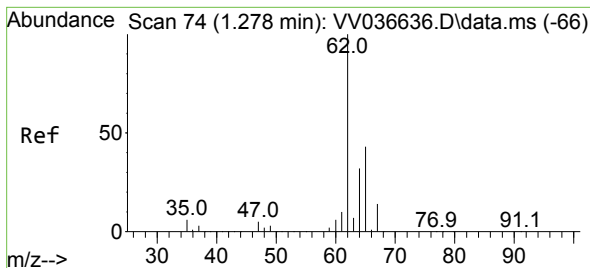
Tgt Ion: 85 Resp: 154091
Ion Ratio Lower Upper
85 100
87 32.9 26.5 39.7



#3
Chloromethane
Concen: 26.385 ug/L
RT: 1.211 min Scan# 53
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

Tgt Ion: 50 Resp: 118194
Ion Ratio Lower Upper
50 100
52 33.8 23.3 43.3





#5

Vinyl chloride

Concen: 26.271 ug/L

RT: 1.275 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

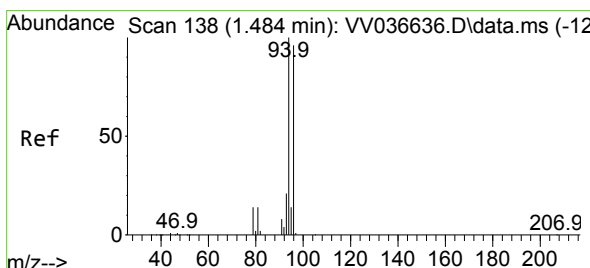
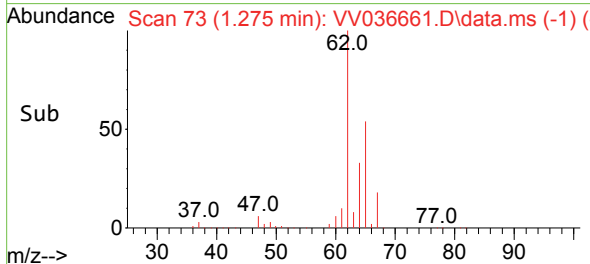
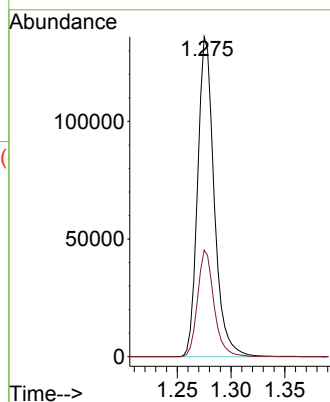
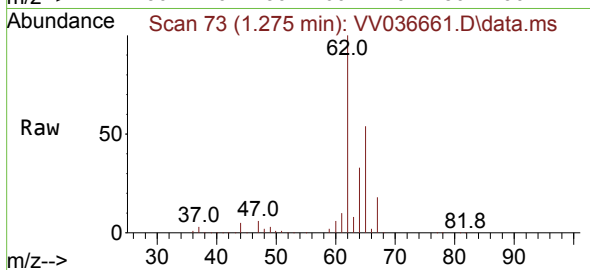
ClientSampleId :

Tgt Ion: 62 Resp: 145535

Ion Ratio Lower Upper

62 100

64 33.3 23.1 42.9



#6

Bromomethane

Concen: 26.827 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.003 min

Lab File: VV036661.D

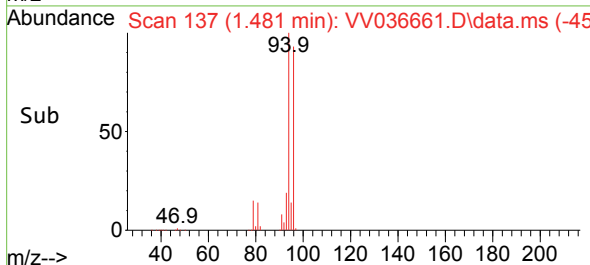
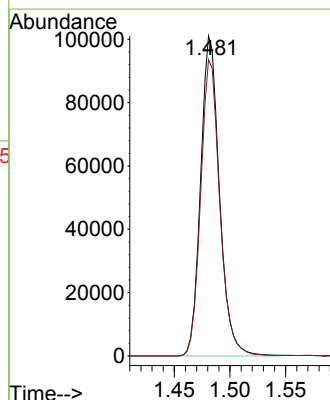
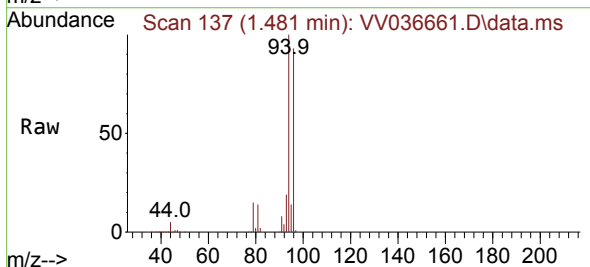
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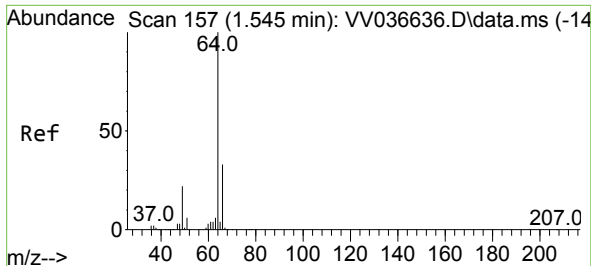
Tgt Ion: 94 Resp: 118822

Ion Ratio Lower Upper

94 100

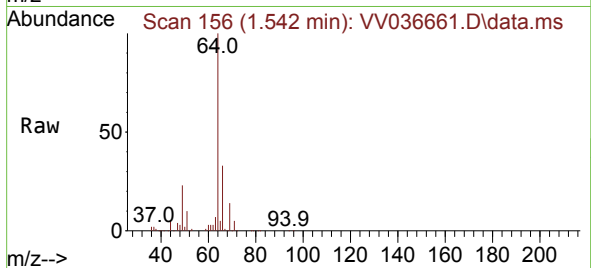
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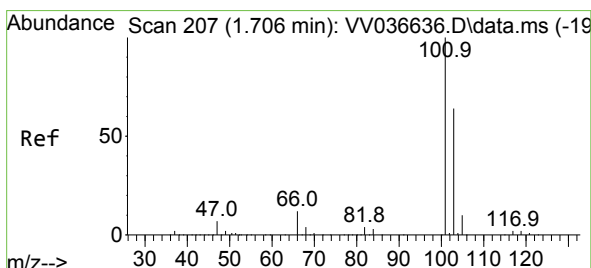
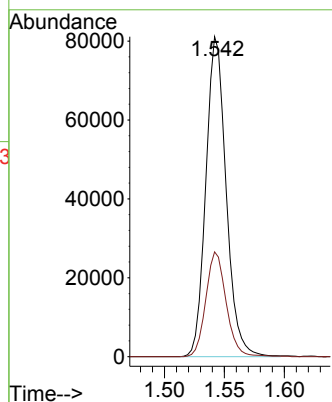
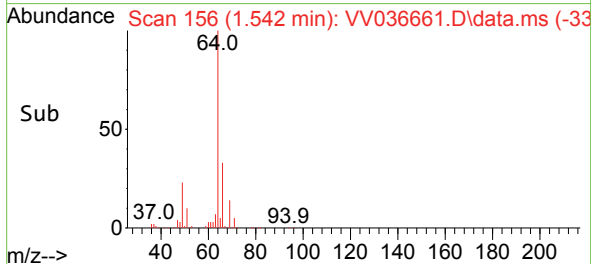


#8
Chloroethane
Concen: 26.583 ug/L
RT: 1.542 min Scan# 156
Delta R.T. -0.003 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

Instrument :
MSVOA_V
ClientSampleId :

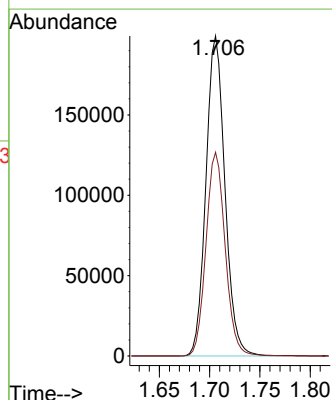
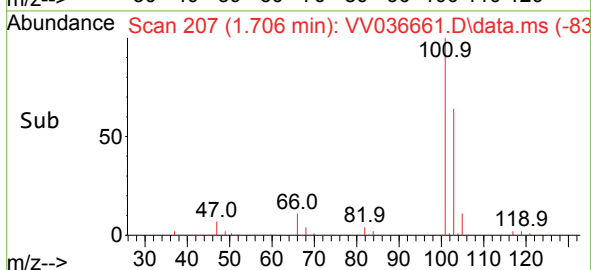
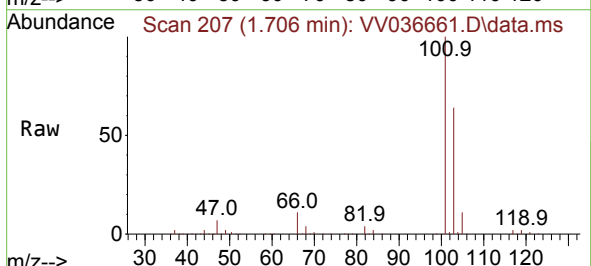


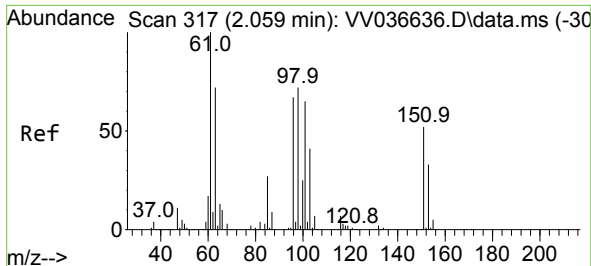
Tgt Ion: 64 Resp: 95434
Ion Ratio Lower Upper
64 100
66 32.7 22.7 42.1



#9
Trichlorofluoromethane
Concen: 27.191 ug/L
RT: 1.706 min Scan# 207
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

Tgt Ion: 101 Resp: 261545
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.4





#10

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

Concen: 27.254 ug/L

RT: 2.059 min Scan# 317

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

ClientSampleId :

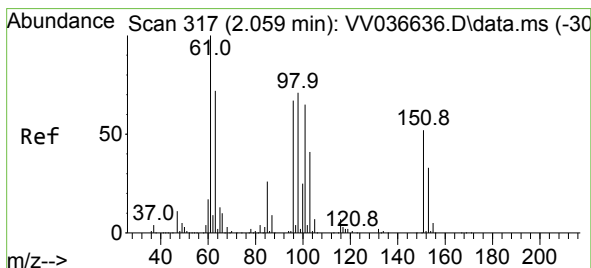
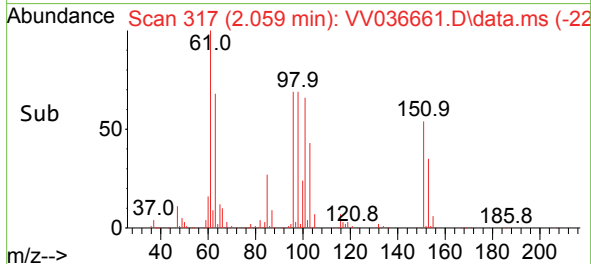
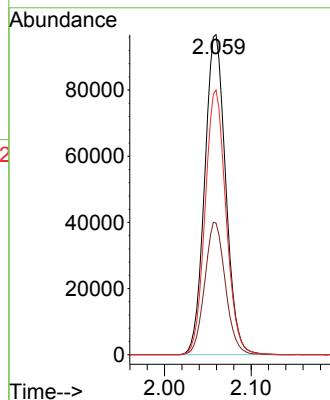
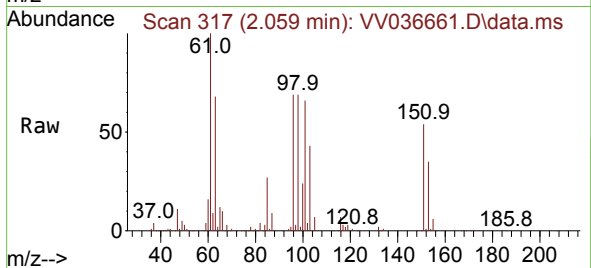
Tgt Ion:101 Resp: 163109

Ion Ratio Lower Upper

101 100

85 40.7 32.4 48.6

151 82.4 64.9 97.3



#12

1,1-Dichloroethene

Concen: 27.621 ug/L

RT: 2.059 min Scan# 317

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

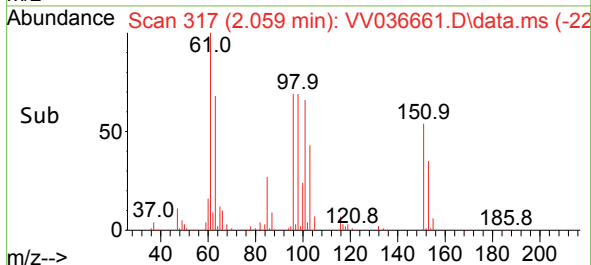
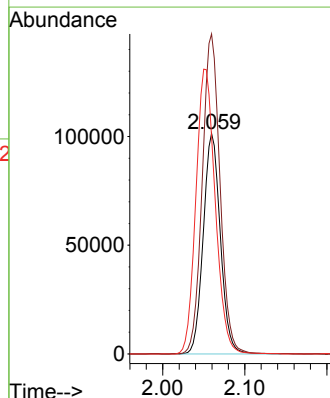
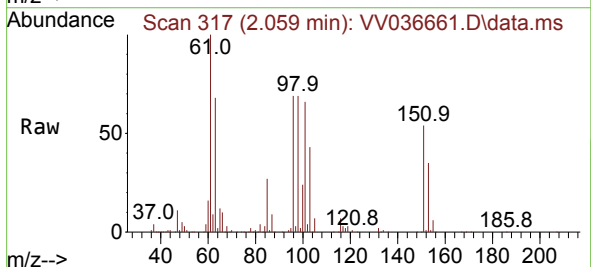
Tgt Ion: 96 Resp: 146296

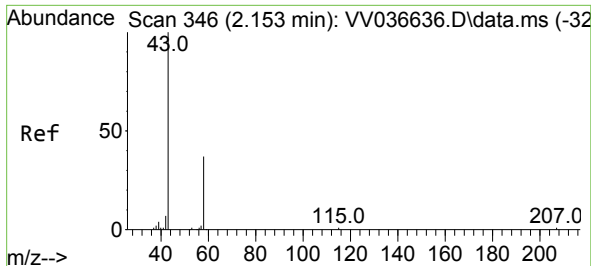
Ion Ratio Lower Upper

96 100

61 145.0 102.3 189.9

63 98.8 64.1 119.1





#13

Acetone

Concen: 46.824 ug/L

RT: 2.156 min Scan# 34

Delta R.T. 0.003 min

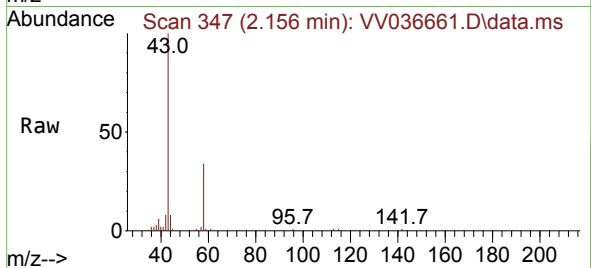
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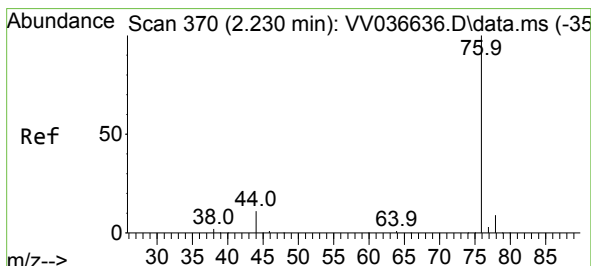
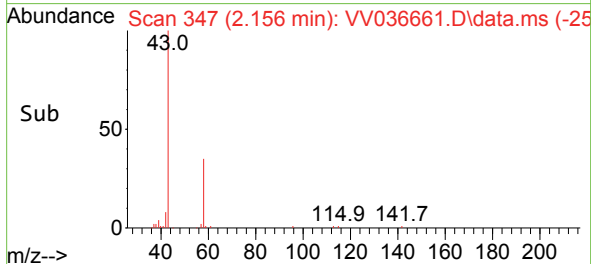
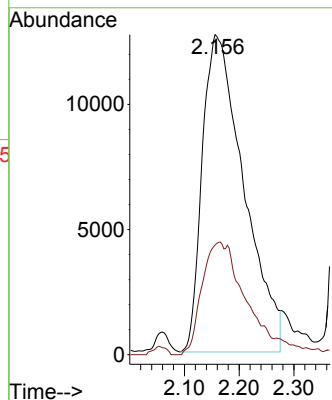


Tgt Ion: 43 Resp: 66751

Ion Ratio Lower Upper

43 100

58 18.4 0.0 23.0



#14

Carbon disulfide

Concen: 27.278 ug/L

RT: 2.230 min Scan# 370

Delta R.T. 0.000 min

Lab File: VV036661.D

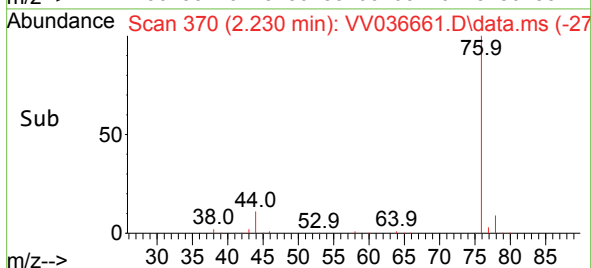
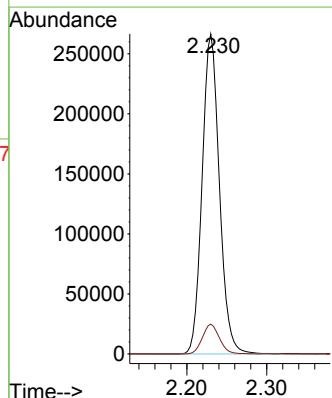
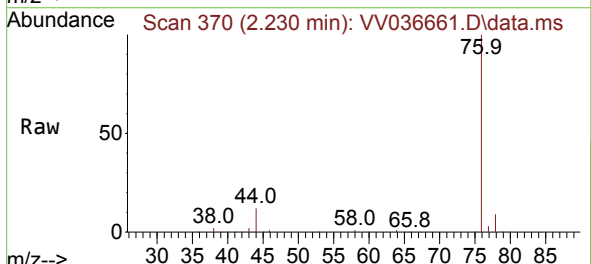
Acq: 24 Jul 2024 09:09

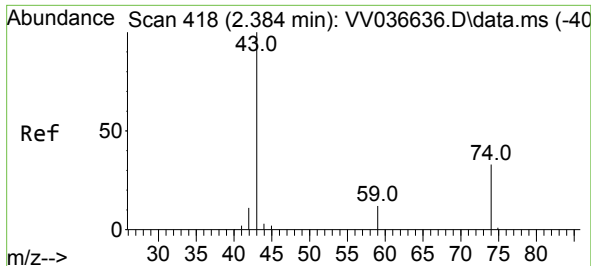
Tgt Ion: 76 Resp: 401006

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

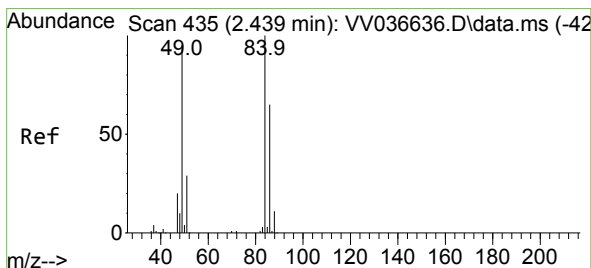
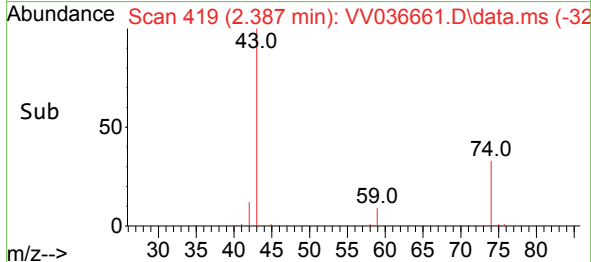
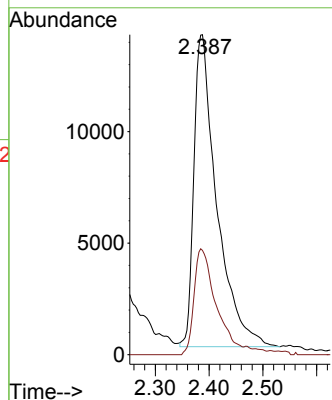
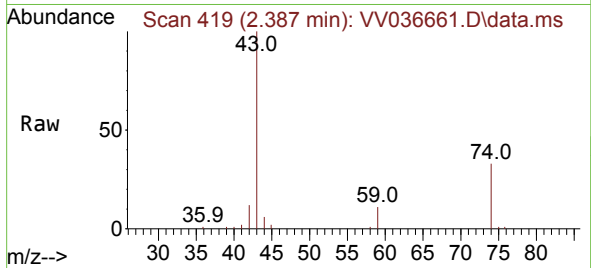




#15
Methyl Acetate
Concen: 24.864 ug/L
RT: 2.387 min Scan# 418
Delta R.T. 0.003 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

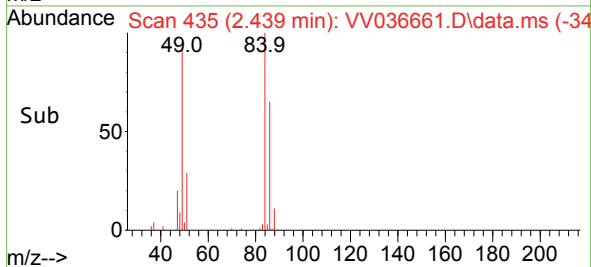
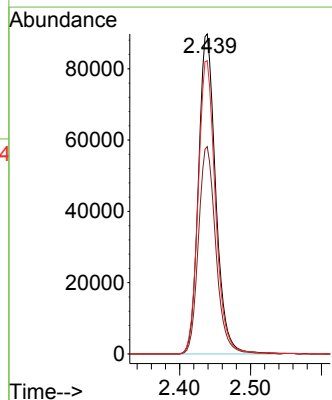
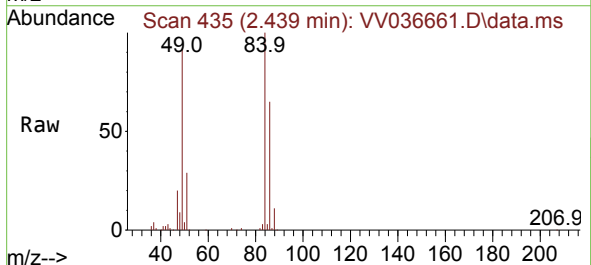
Instrument :
MSVOA_V
ClientSampleId :

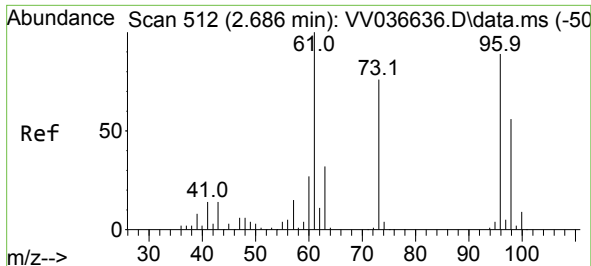
Tgt Ion: 43 Resp: 41352
Ion Ratio Lower Upper
43 100
74 32.7 27.8 41.8



#16
Methylene chloride
Concen: 23.721 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

Tgt Ion: 84 Resp: 151532
Ion Ratio Lower Upper
84 100
86 64.8 47.2 87.6
49 91.7 67.3 125.1





#17

trans-1,2-Dichloroethene

Concen: 26.696 ug/L

RT: 2.683 min Scan# 511

Delta R.T. -0.003 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

ClientSampleId :

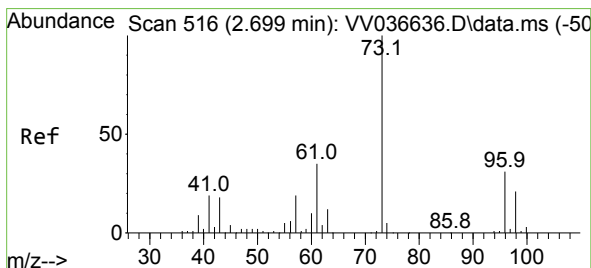
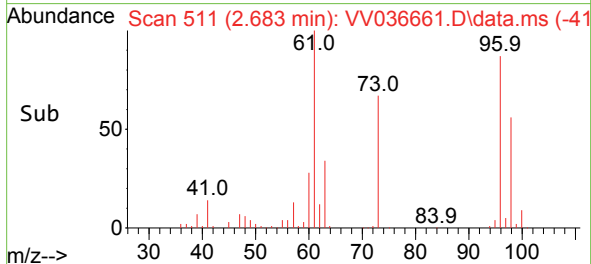
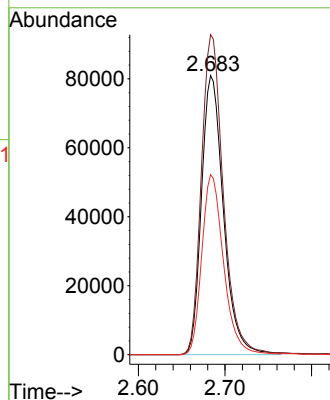
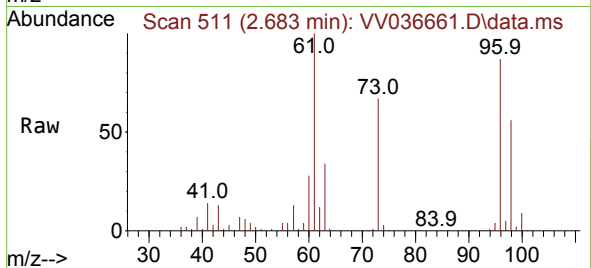
Tgt Ion: 96 Resp: 142799

Ion Ratio Lower Upper

96 100

61 114.6 81.5 151.5

98 64.5 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 25.843 ug/L

RT: 2.699 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

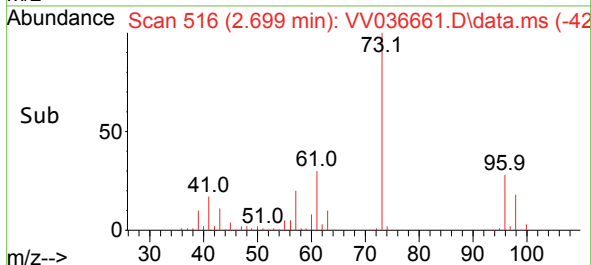
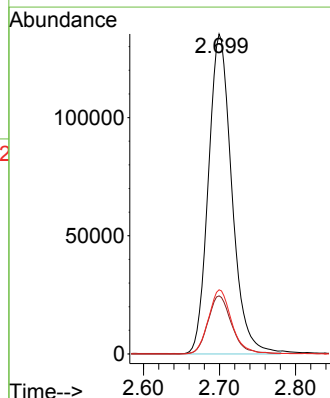
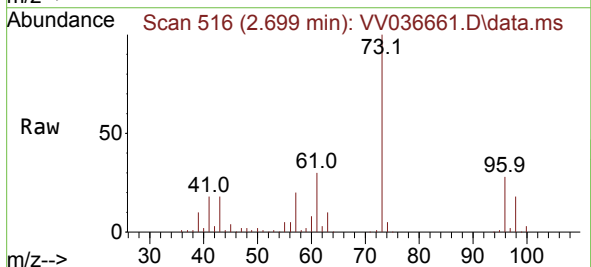
Tgt Ion: 73 Resp: 289941

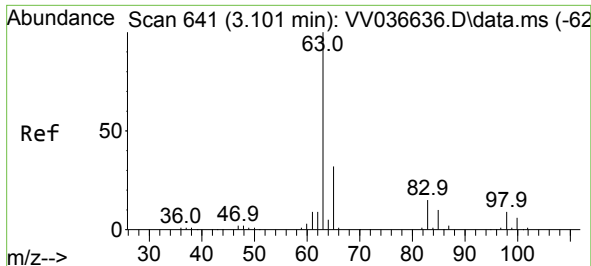
Ion Ratio Lower Upper

73 100

43 18.1 13.8 20.6

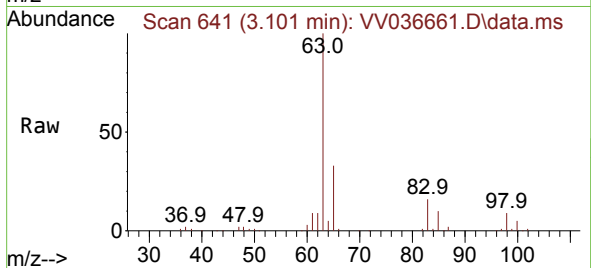
57 19.9 15.4 23.2



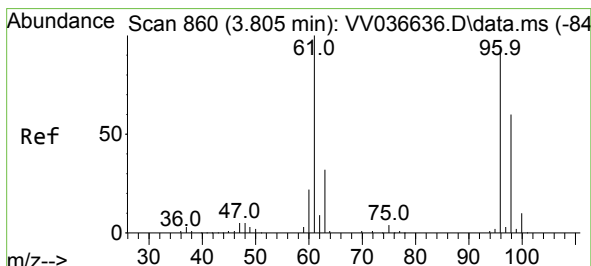
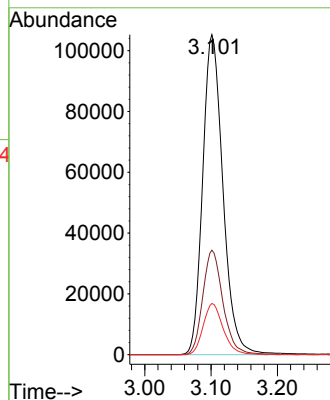
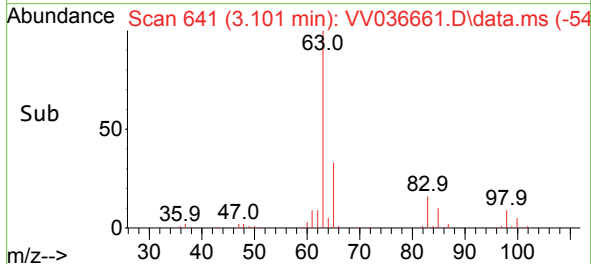


#19
1,1-Dichloroethane
Concen: 26.655 ug/L
RT: 3.101 min Scan# 641
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

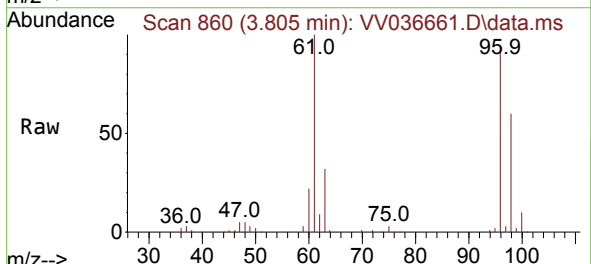
Instrument :
MSVOA_V
ClientSampleId :



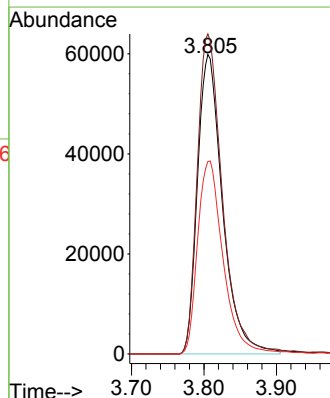
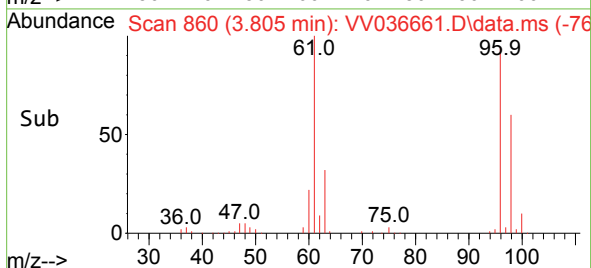
Tgt Ion: 63 Resp: 223695
Ion Ratio Lower Upper
63 100
65 32.7 22.7 42.1
83 16.0 11.1 20.7

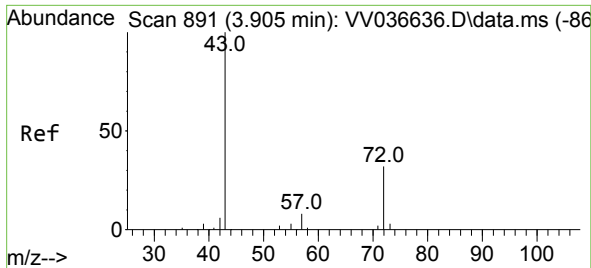


#20
cis-1,2-Dichloroethene
Concen: 25.757 ug/L
RT: 3.805 min Scan# 860
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09



Tgt Ion: 96 Resp: 143886
Ion Ratio Lower Upper
96 100
61 106.8 73.0 135.6
98 64.2 44.8 83.2

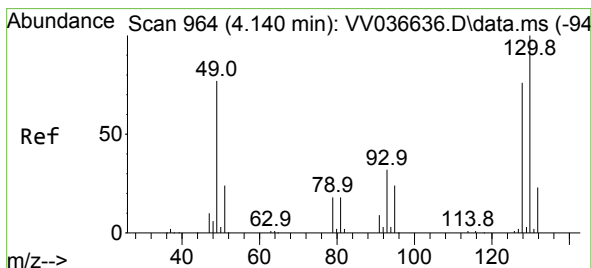
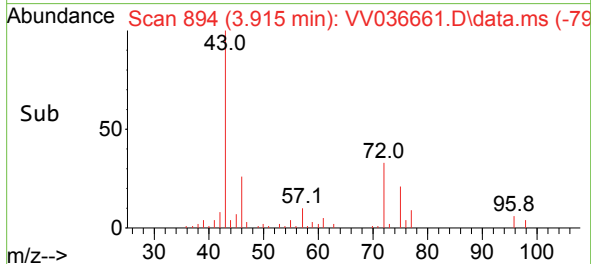
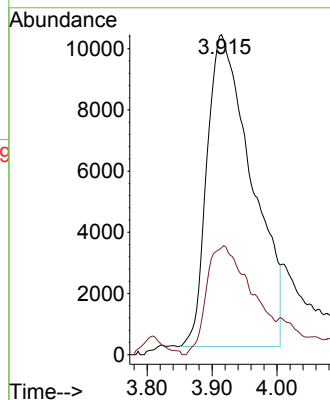
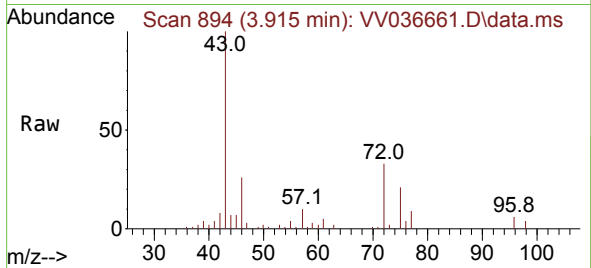




#22
2-Butanone
Concen: 40.384 ug/L
RT: 3.915 min Scan# 891
Delta R.T. 0.010 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

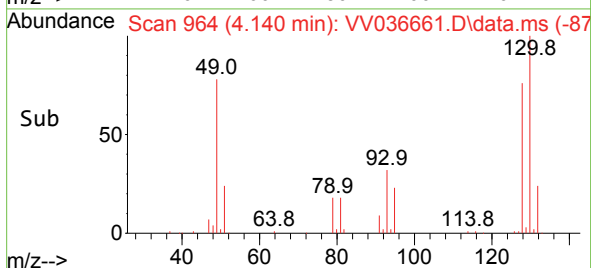
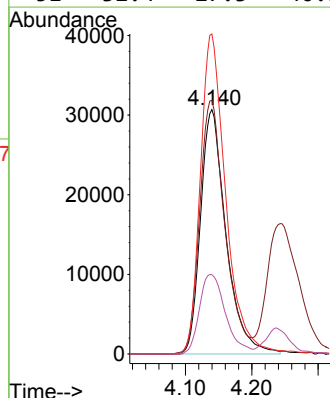
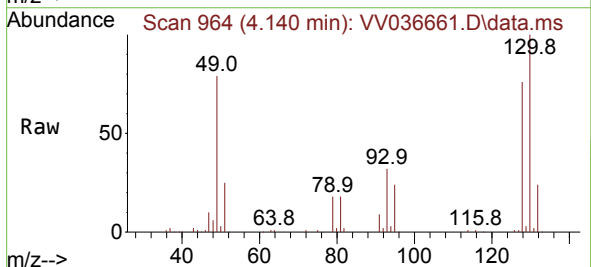
Instrument :
MSVOA_V
ClientSampleId :

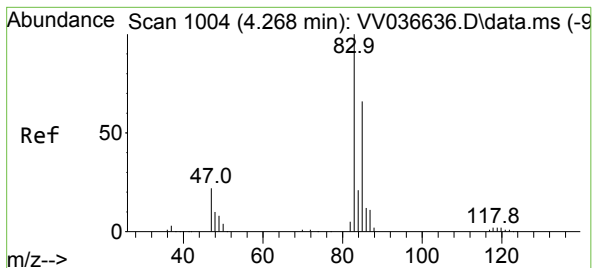
Tgt Ion: 43 Resp: 48868
Ion Ratio Lower Upper
43 100
72 24.6 15.2 45.5



#23
Bromochloromethane
Concen: 27.571 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

Tgt Ion: 128 Resp: 81853
Ion Ratio Lower Upper
128 100
49 103.8 74.4 138.2
130 131.0 88.6 164.6
51 32.4 27.3 40.9





#25

Chloroform

Concen: 27.195 ug/L

RT: 4.265 min Scan# 1004

Delta R.T. -0.003 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

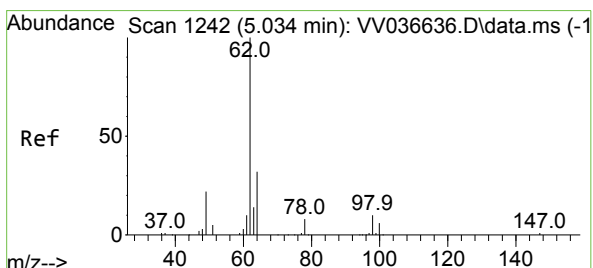
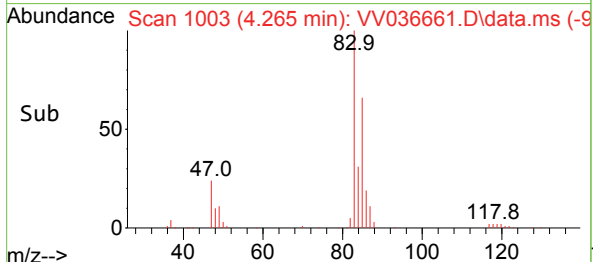
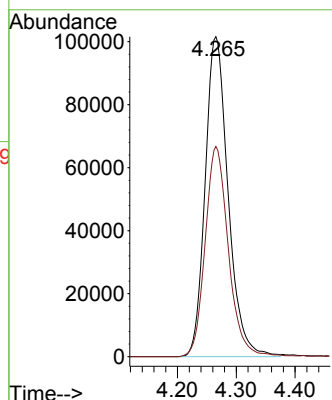
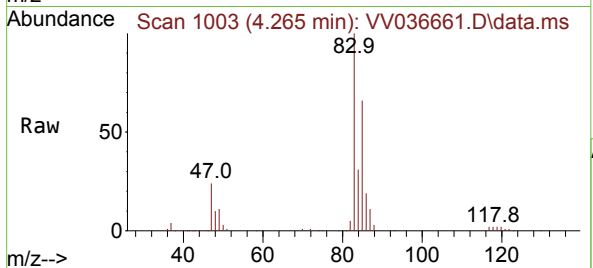
ClientSampleId :

Tgt Ion: 83 Resp: 275484

Ion Ratio Lower Upper

83 100

85 65.7 45.6 84.6



#27

1,2-Dichloroethane

Concen: 27.376 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VV036661.D

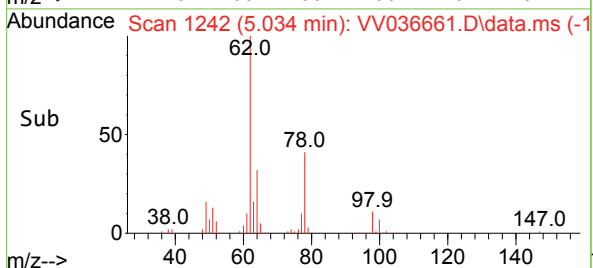
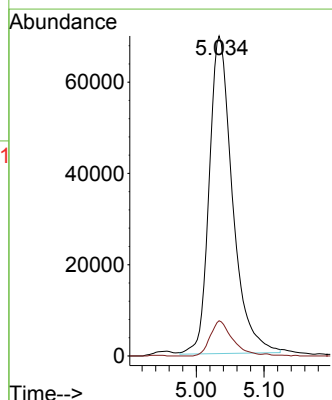
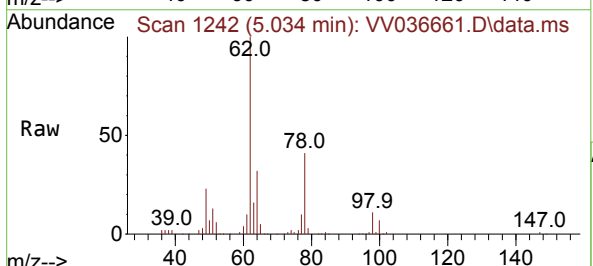
Acq: 24 Jul 2024 09:09

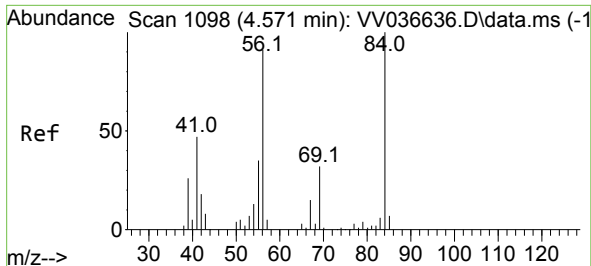
Tgt Ion: 62 Resp: 166405

Ion Ratio Lower Upper

62 100

98 11.0 9.0 13.6





#29

Cyclohexane

Concen: 24.779 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. 0.000 min

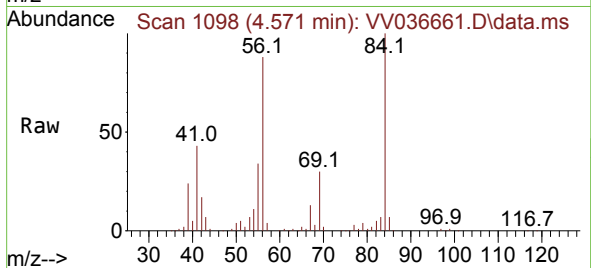
Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

ClientSampleId :



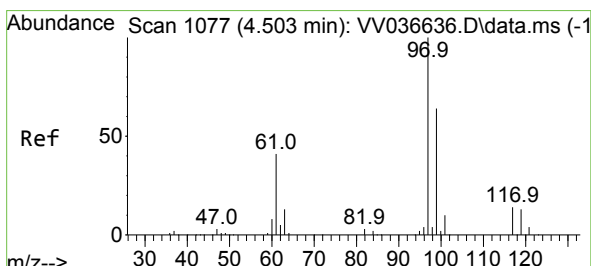
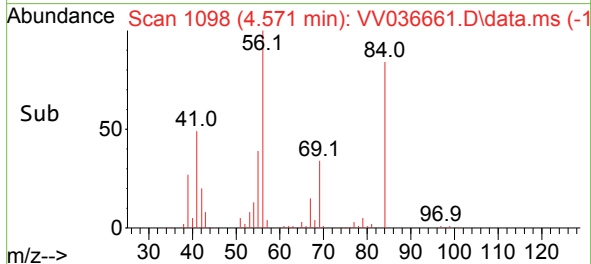
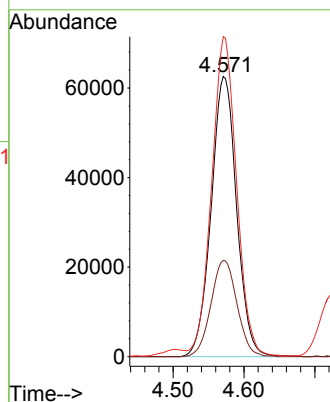
Tgt Ion: 56 Resp: 155936

Ion Ratio Lower Upper

56 100

69 35.3 28.5 42.7

84 111.8 88.6 132.8



#30

1,1,1-Trichloroethane

Concen: 26.339 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. -0.003 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

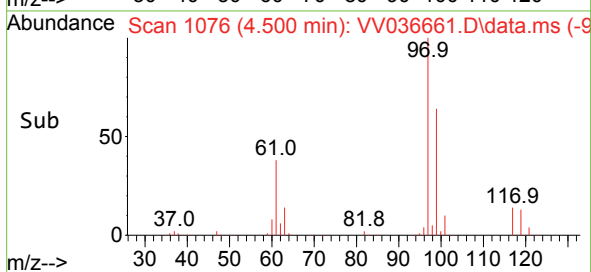
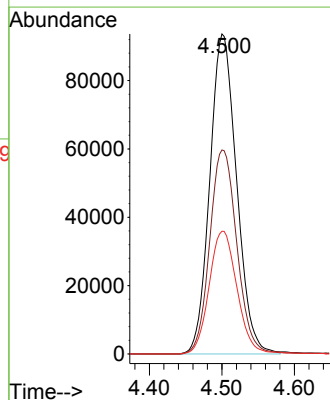
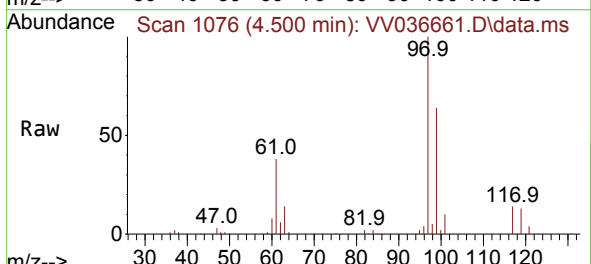
Tgt Ion: 97 Resp: 240521

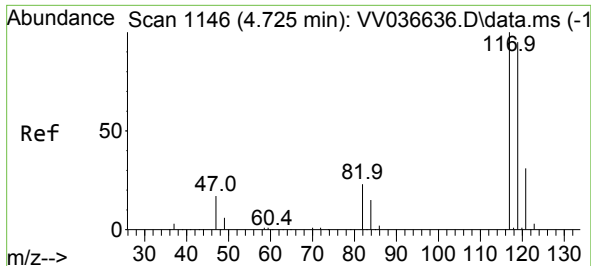
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 39.7 31.9 47.9

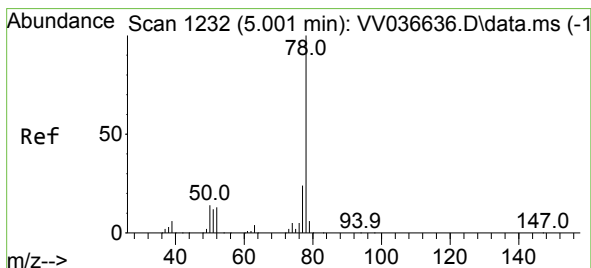
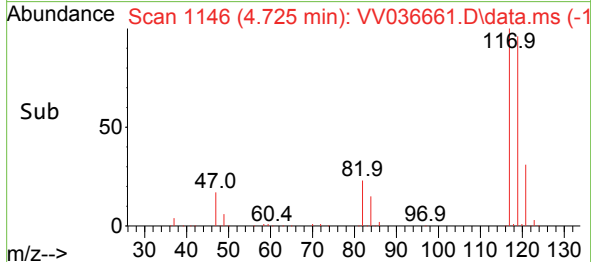
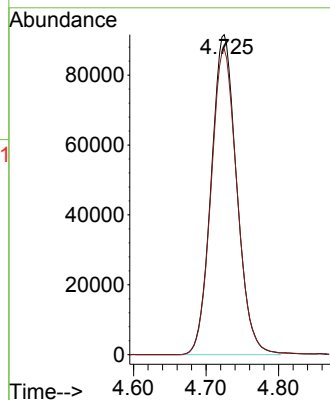
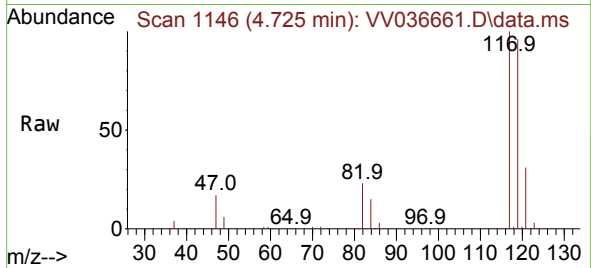




#31
Carbon tetrachloride
Concen: 26.218 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

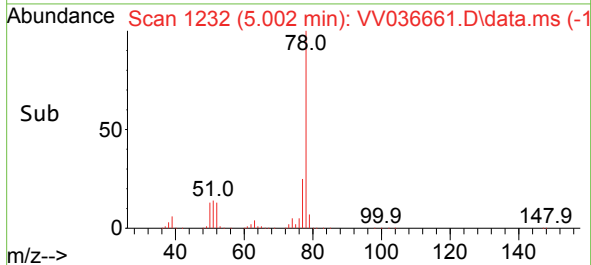
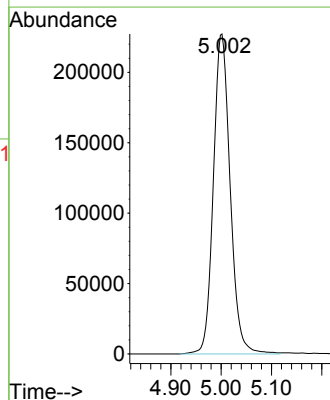
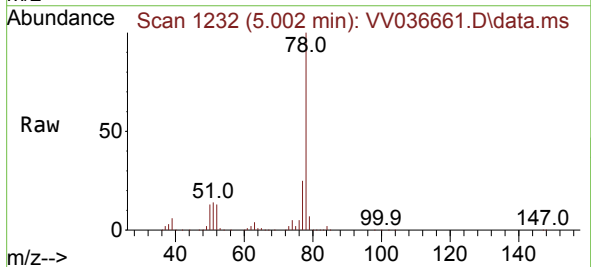
Instrument :
MSVOA_V
ClientSampleId :

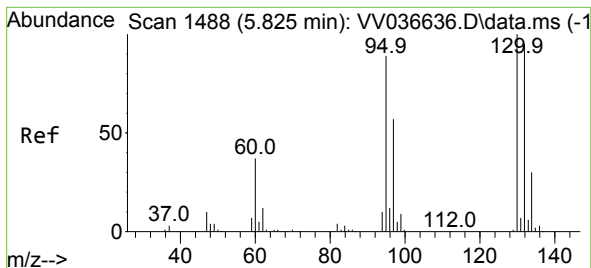
Tgt Ion:117 Resp: 223688
Ion Ratio Lower Upper
117 100
119 97.3 76.6 115.0



#33
Benzene
Concen: 26.319 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

Tgt Ion: 78 Resp: 527564





#34

Trichloroethene

Concen: 25.752 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 168932

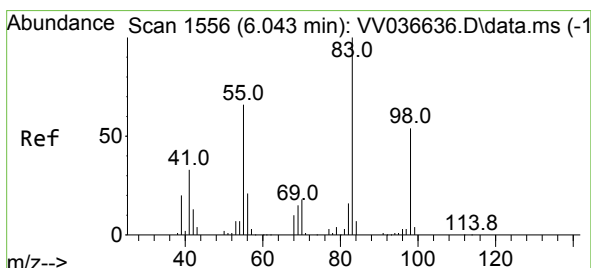
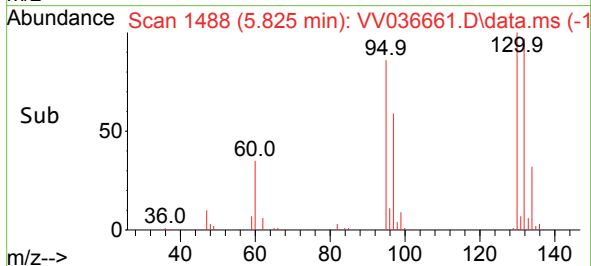
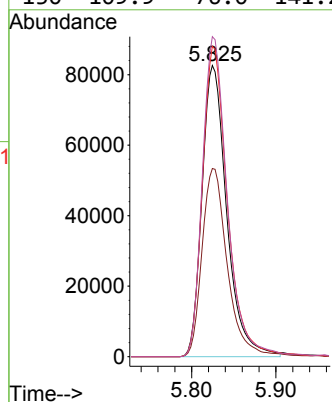
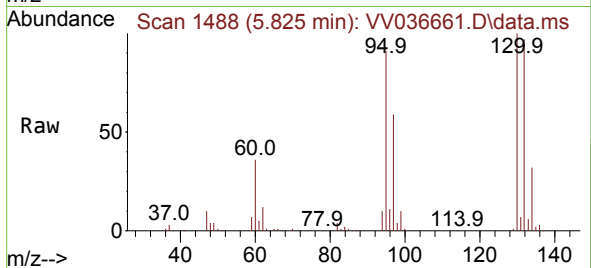
Ion Ratio Lower Upper

95 100

97 64.6 45.1 83.7

132 106.6 72.7 134.9

130 109.9 76.0 141.2



#35

Methylcyclohexane

Concen: 25.534 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

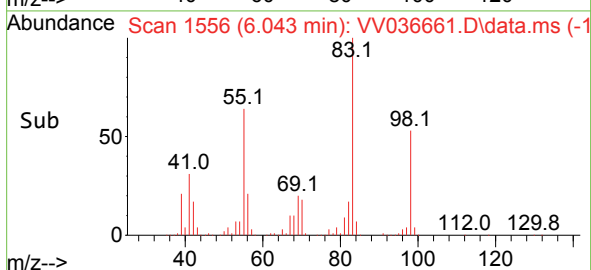
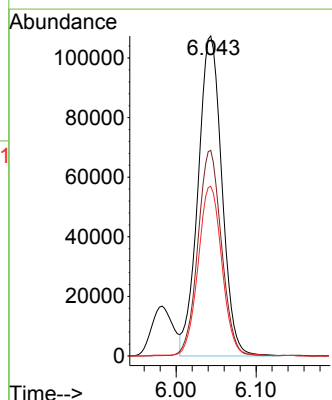
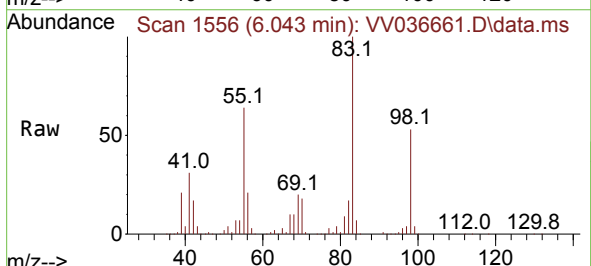
Tgt Ion: 83 Resp: 223031

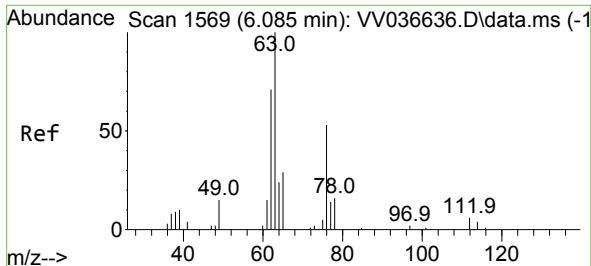
Ion Ratio Lower Upper

83 100

55 63.3 50.8 76.2

98 53.0 41.3 61.9





#37

1,2-Dichloropropane

Concen: 26.766 ug/L

RT: 6.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

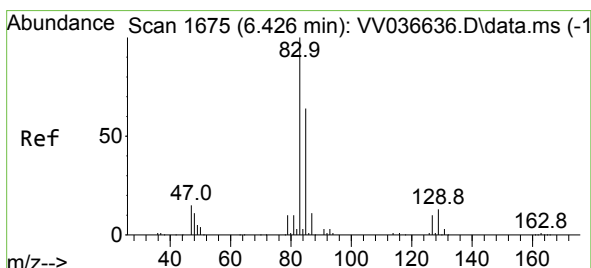
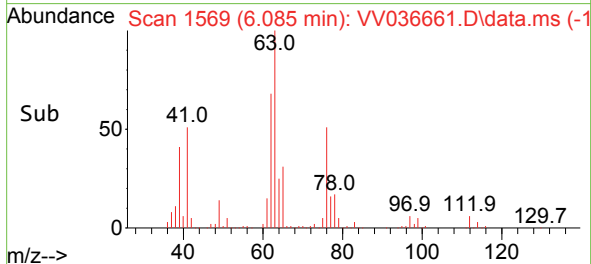
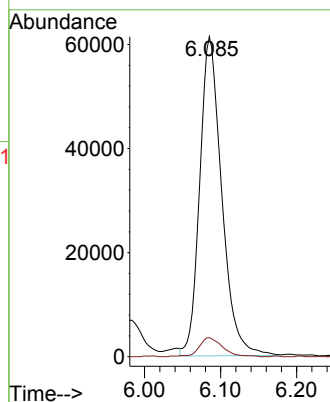
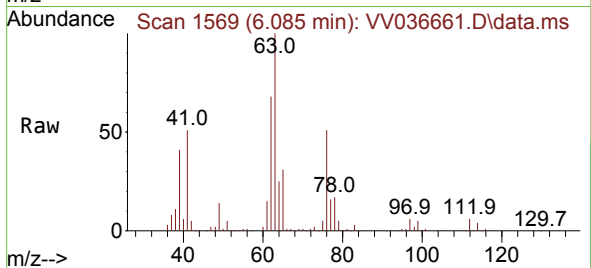
ClientSampleId :

Tgt Ion: 63 Resp: 123478

Ion Ratio Lower Upper

63 100

112 5.6 4.8 7.2



#38

Bromodichloromethane

Concen: 26.135 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

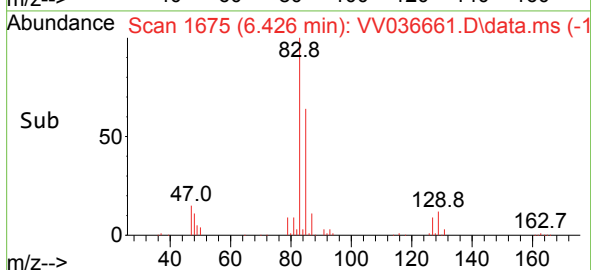
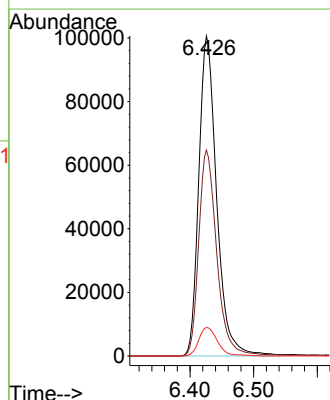
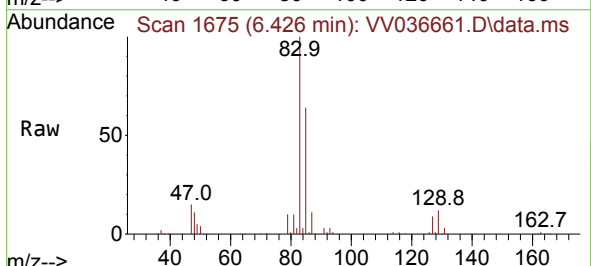
Tgt Ion: 83 Resp: 196572

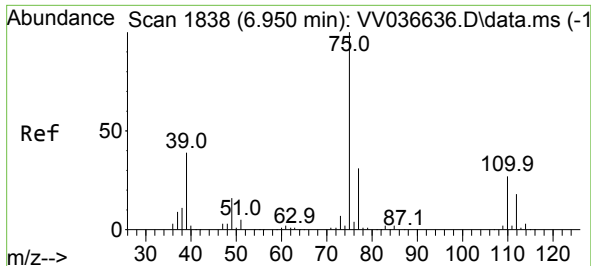
Ion Ratio Lower Upper

83 100

85 64.4 44.6 82.8

127 8.9 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 26.621 ug/L

RT: 6.947 min Scan# 1837

Delta R.T. -0.003 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

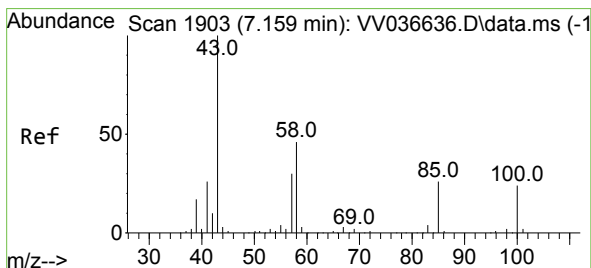
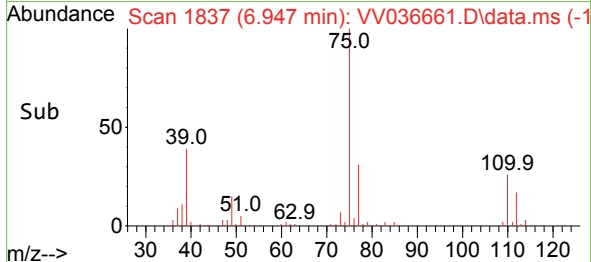
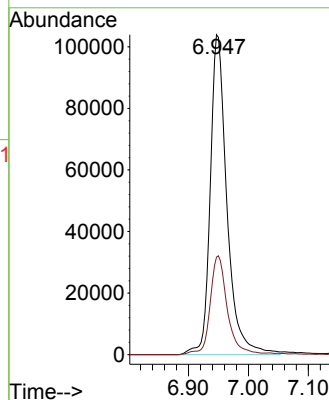
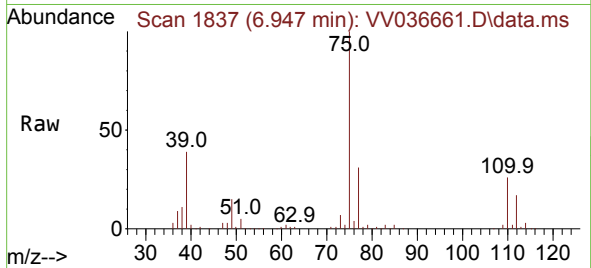
ClientSampleId :

Tgt Ion: 75 Resp: 201648

Ion Ratio Lower Upper

75 100

77 30.5 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 49.574 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

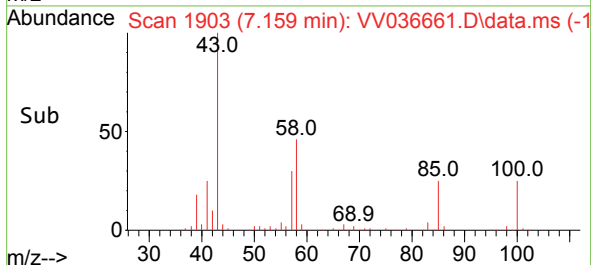
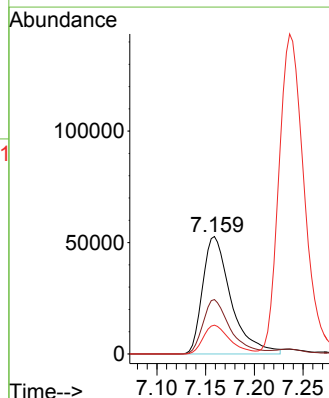
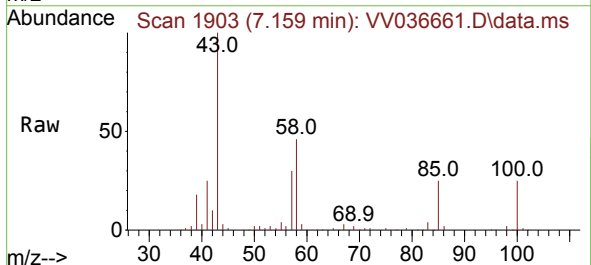
Tgt Ion: 43 Resp: 106790

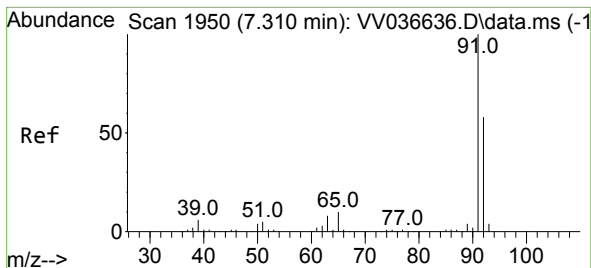
Ion Ratio Lower Upper

43 100

58 44.5 36.6 54.8

100 23.0 18.2 27.4





#42

Toluene

Concen: 27.353 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

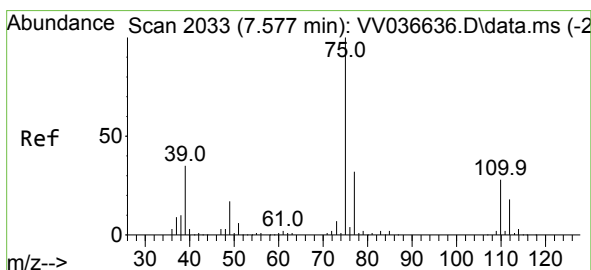
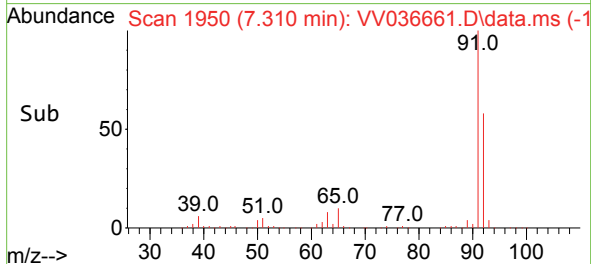
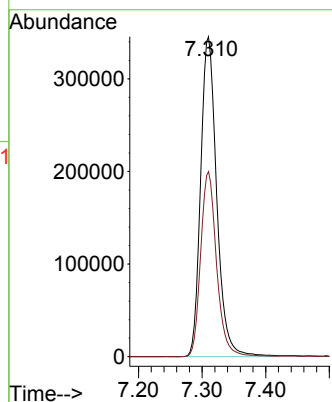
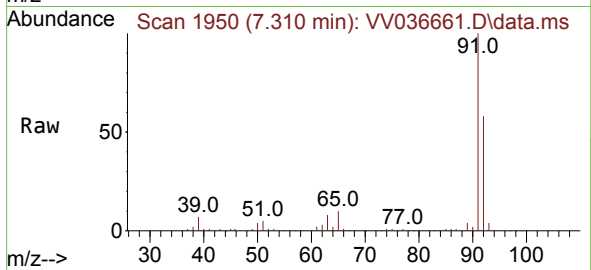
ClientSampleId :

Tgt Ion: 91 Resp: 607294

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 26.719 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV036661.D

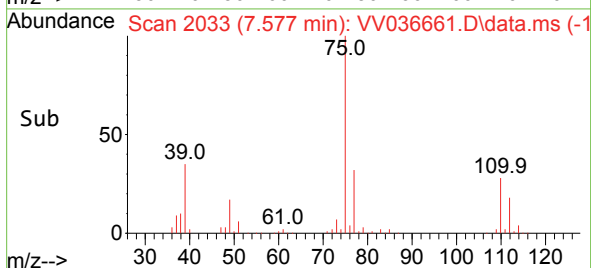
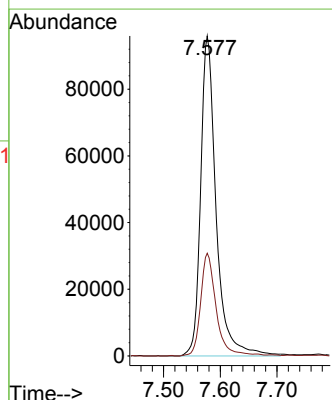
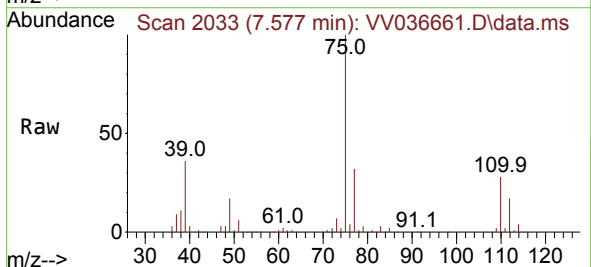
Acq: 24 Jul 2024 09:09

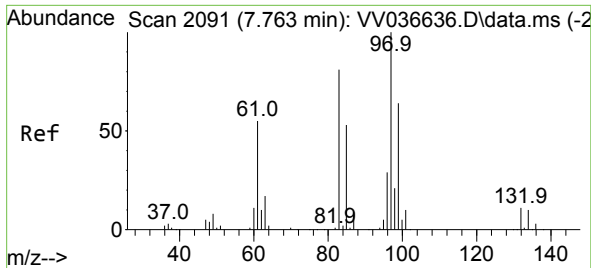
Tgt Ion: 75 Resp: 181750

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0

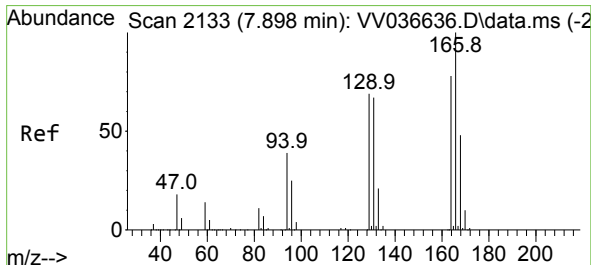
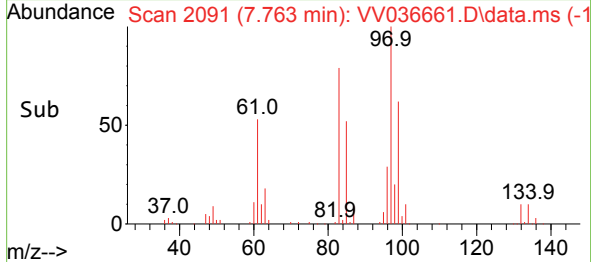
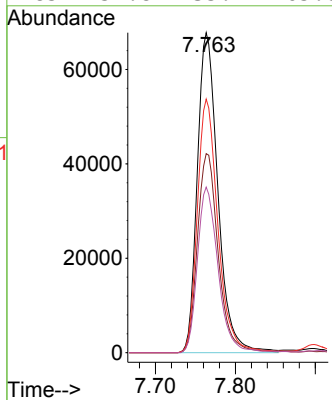
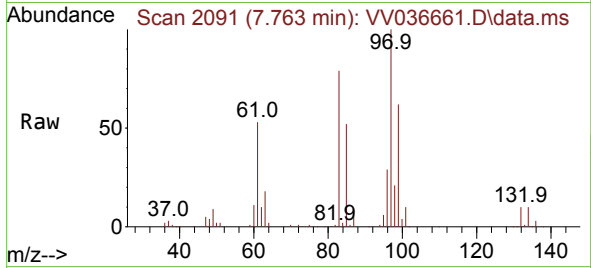




#45
1,1,2-Trichloroethane
Concen: 27.038 ug/L
RT: 7.763 min Scan# 2091
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

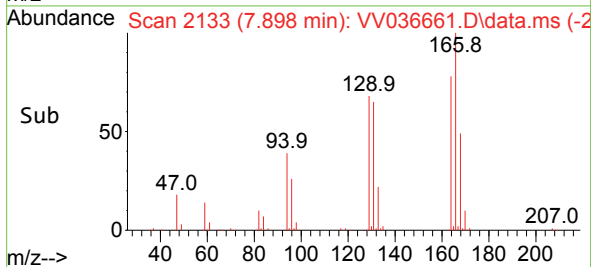
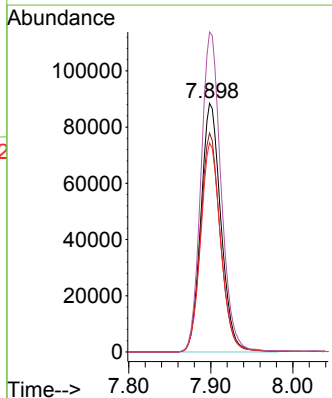
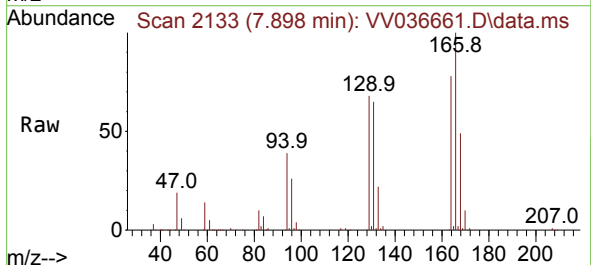
Instrument :
MSVOA_V
ClientSampleId :

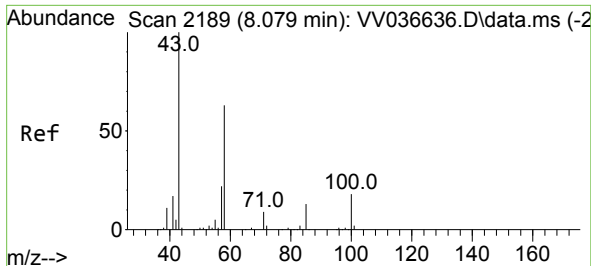
Tgt Ion:	97	Resp:	121647
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.5	80.7
83	79.2	55.4	103.0
85	51.8	35.4	65.8



#46
Tetrachloroethene
Concen: 23.023 ug/L
RT: 7.898 min Scan# 2133
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

Tgt Ion:	164	Resp:	149870
Ion	Ratio	Lower	Upper
164	100		
129	88.0	61.0	113.2
131	84.1	60.1	111.5
166	128.7	89.7	166.7

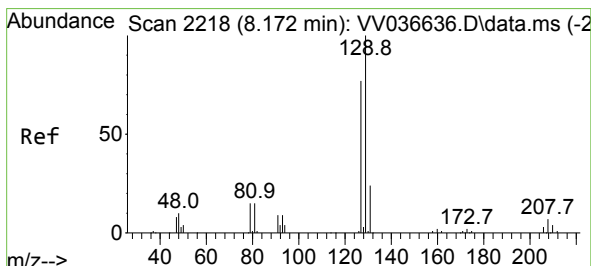
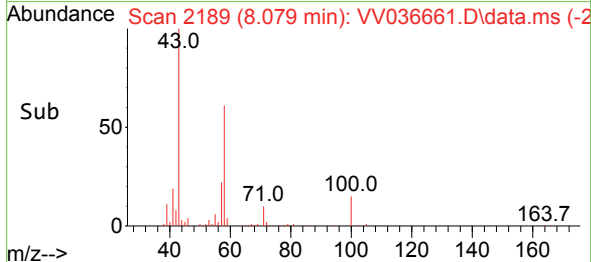
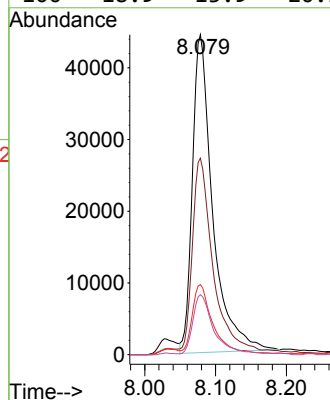
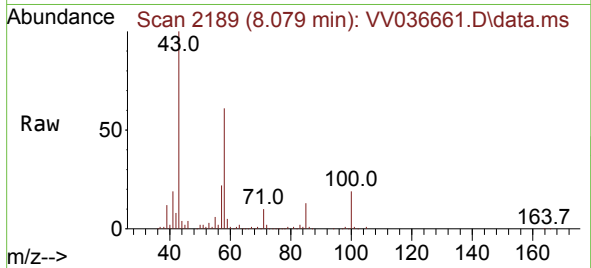




#48
2-Hexanone
Concen: 52.370 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

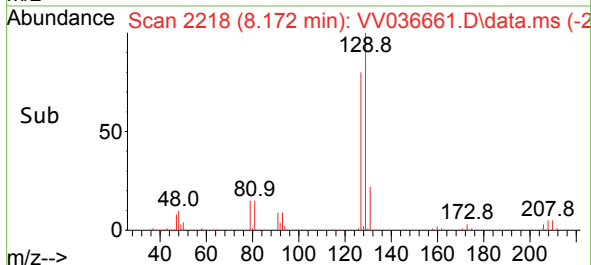
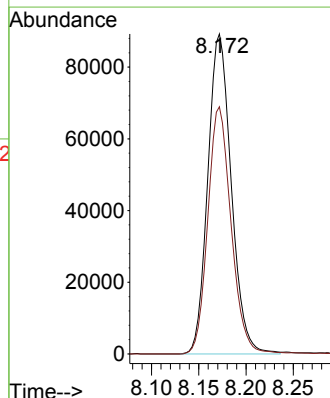
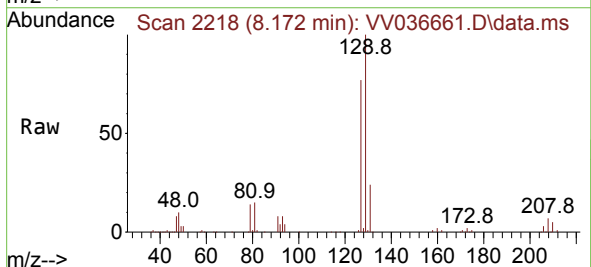
Instrument :
MSVOA_V
ClientSampleId :

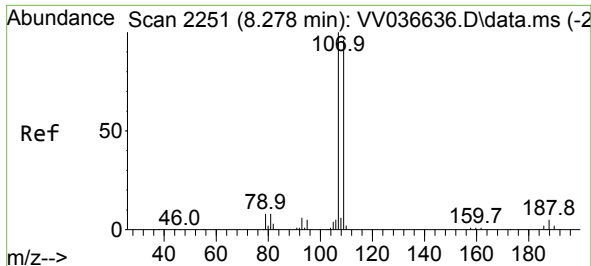
Tgt Ion: 43	Resp: 88452
Ion Ratio	Lower Upper
43 100	
58 60.5	50.6 75.8
57 20.0	17.7 26.5
100 18.9	13.9 20.9



#49
Dibromochloromethane
Concen: 27.194 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

Tgt Ion:129	Resp: 154149
Ion Ratio	Lower Upper
129 100	
127 77.3	54.3 100.9

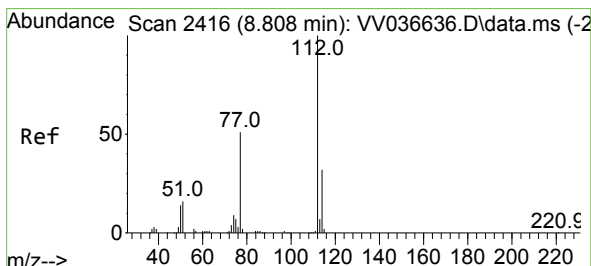
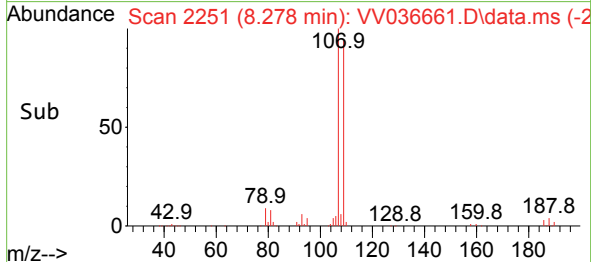
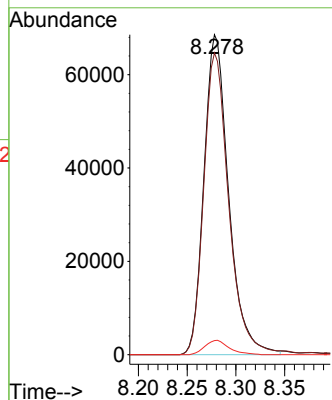
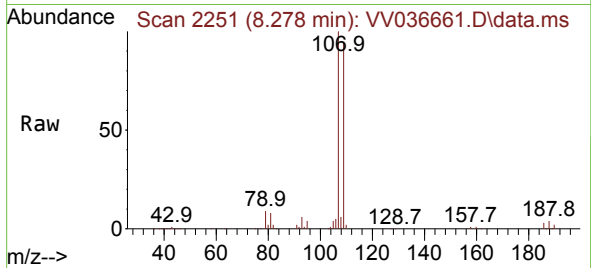




#50
1,2-Dibromoethane
Concen: 26.767 ug/L
RT: 8.278 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

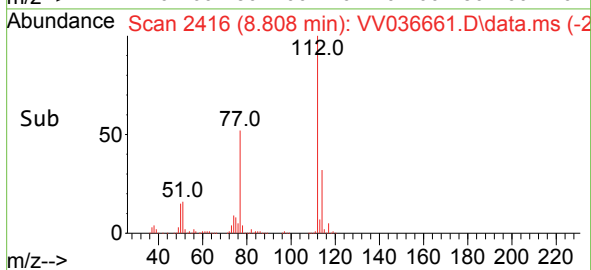
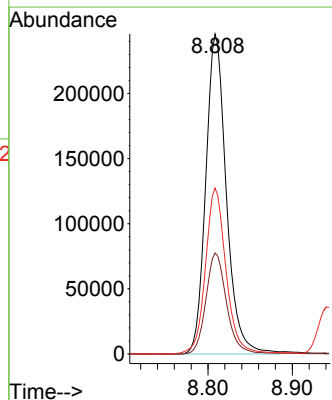
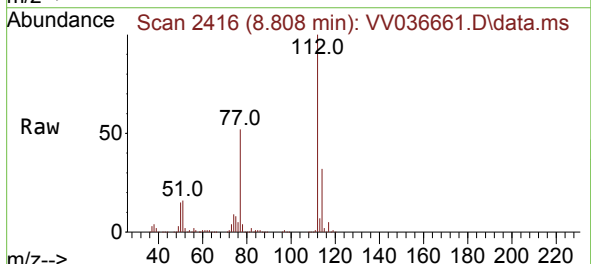
Instrument :
MSVOA_V
ClientSampleId :

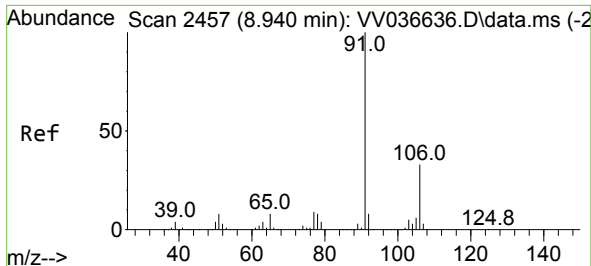
Tgt Ion:107 Resp: 120992
Ion Ratio Lower Upper
107 100
109 94.3 65.5 121.6
188 4.4 3.4 5.2



#51
Chlorobenzene
Concen: 25.949 ug/L
RT: 8.808 min Scan# 2416
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

Tgt Ion:112 Resp: 417135
Ion Ratio Lower Upper
112 100
114 31.5 22.5 41.7
77 51.9 41.9 62.9





#52

Ethylbenzene

Concen: 26.608 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

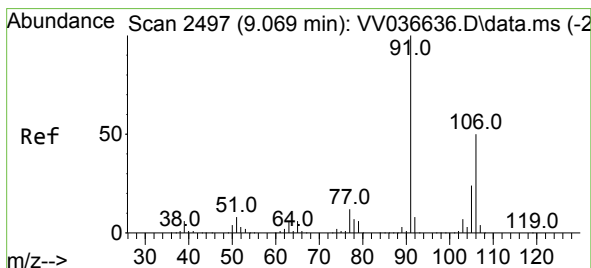
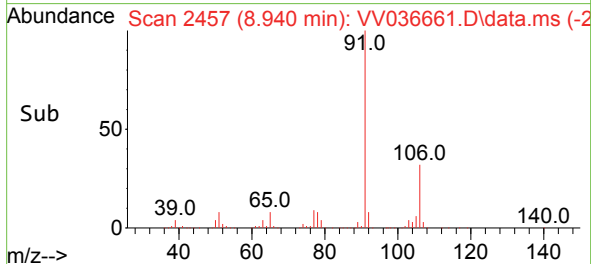
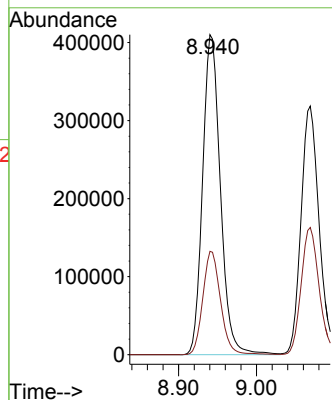
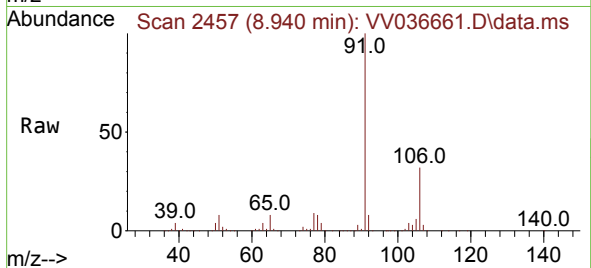
ClientSampleId :

Tgt Ion: 91 Resp: 649830

Ion Ratio Lower Upper

91 100

106 32.3 22.5 41.7



#53

m,p-Xylene

Concen: 27.602 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV036661.D

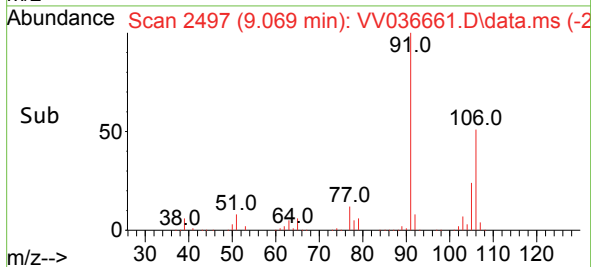
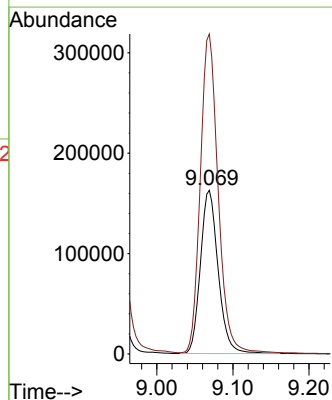
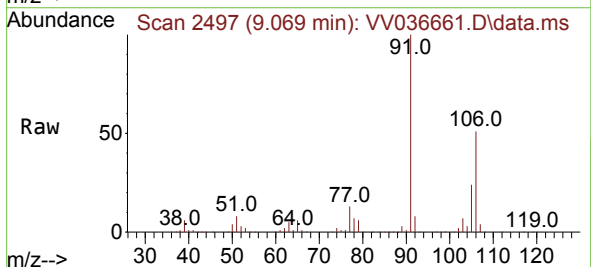
Acq: 24 Jul 2024 09:09

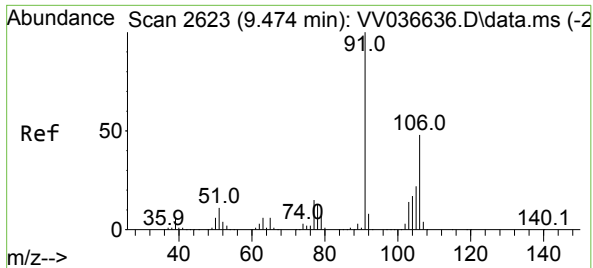
Tgt Ion: 106 Resp: 263181

Ion Ratio Lower Upper

106 100

91 195.5 136.8 254.0

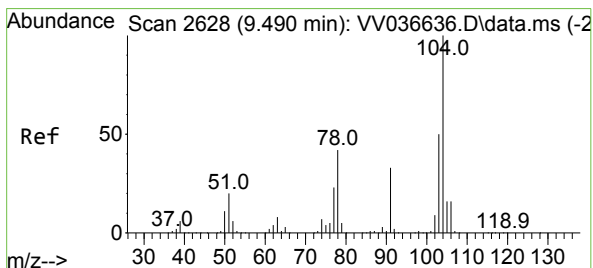
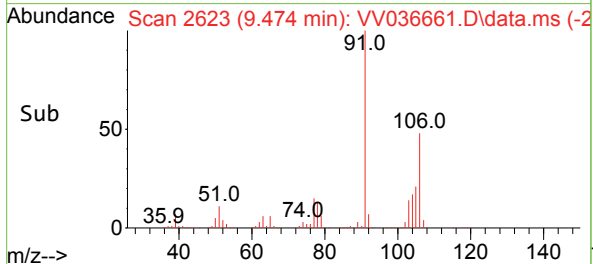
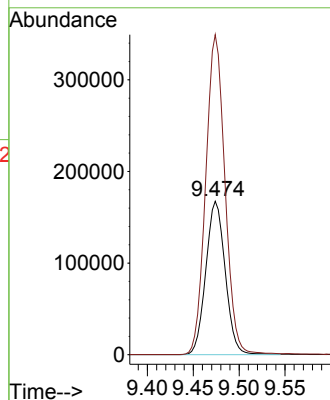
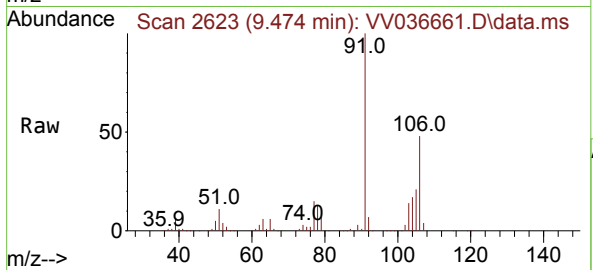




#54
o-Xylene
Concen: 26.938 ug/L
RT: 9.474 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

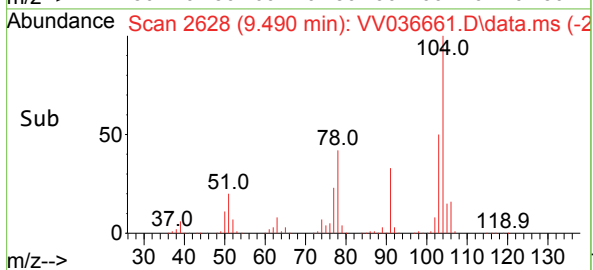
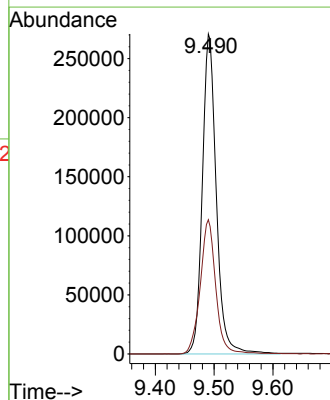
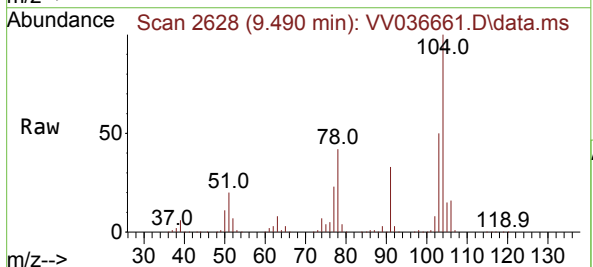
Instrument :
MSVOA_V
ClientSampleId :

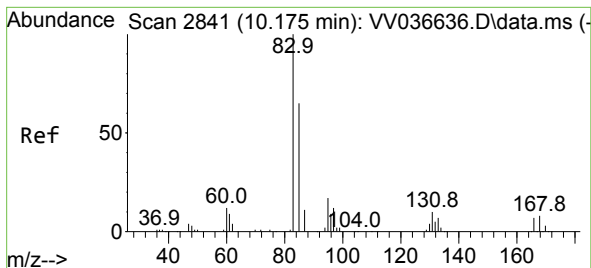
Tgt Ion:106 Resp: 246785
Ion Ratio Lower Upper
106 100
91 208.6 146.1 271.3



#55
Styrene
Concen: 28.761 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

Tgt Ion:104 Resp: 446791
Ion Ratio Lower Upper
104 100
78 41.9 29.7 55.1

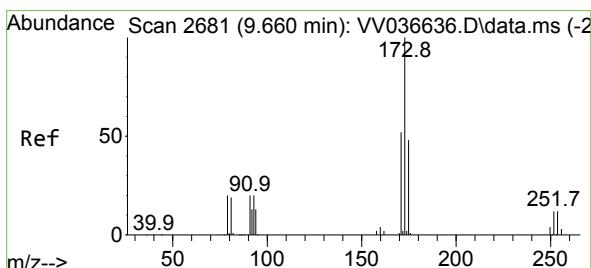
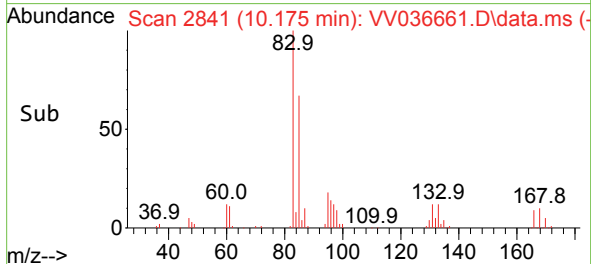
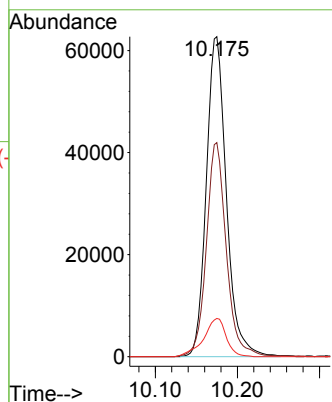
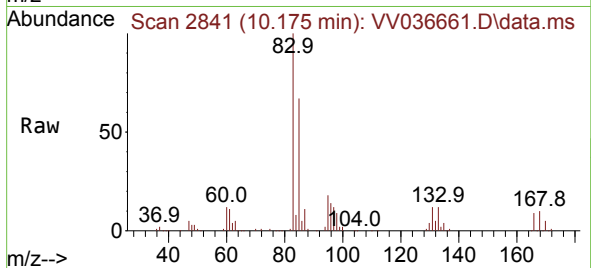




#57
1,1,2,2-Tetrachloroethane
Concen: 26.150 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

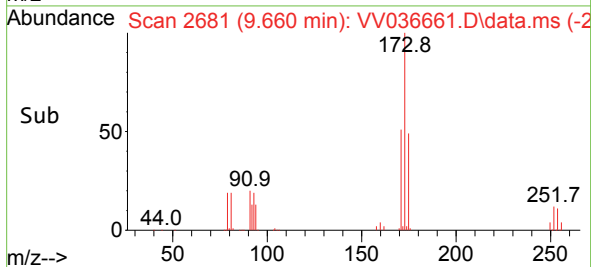
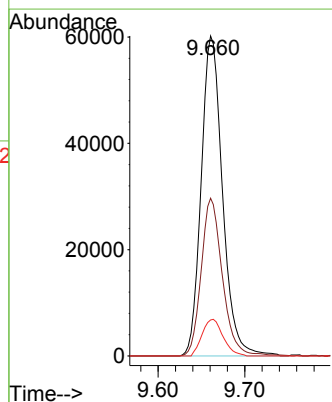
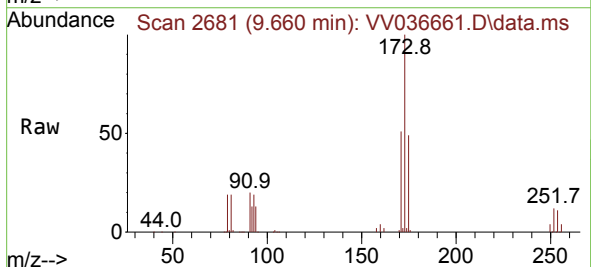
Instrument :
MSVOA_V
ClientSampleId :

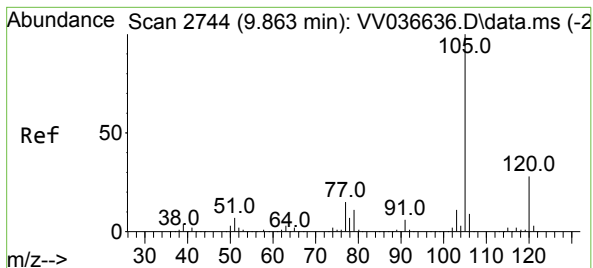
Tgt Ion: 83 Resp: 106599
Ion Ratio Lower Upper
83 100
85 66.9 44.9 83.3
131 11.9 9.3 13.9



#59
Bromoform
Concen: 26.349 ug/L
RT: 9.660 min Scan# 2681
Delta R.T. 0.000 min
Lab File: VV036661.D
Acq: 24 Jul 2024 09:09

Tgt Ion: 173 Resp: 103031
Ion Ratio Lower Upper
173 100
175 48.9 39.6 59.4
254 11.3 8.2 12.4





#60

Isopropylbenzene

Concen: 26.499 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

ClientSampleId :

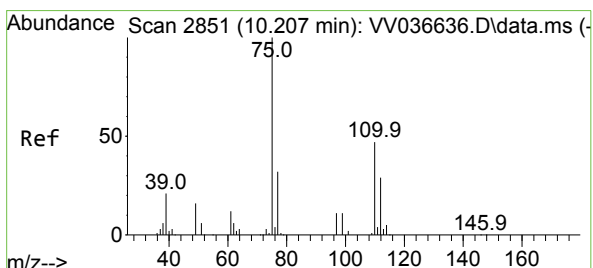
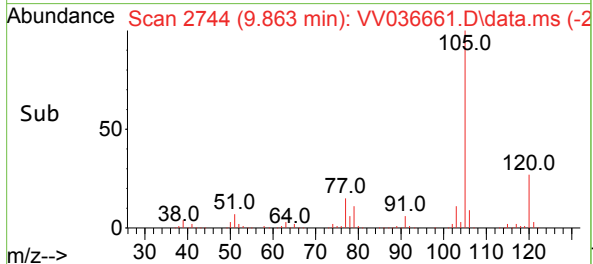
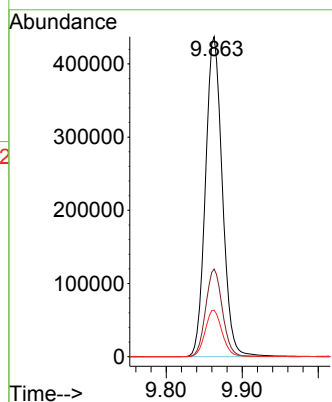
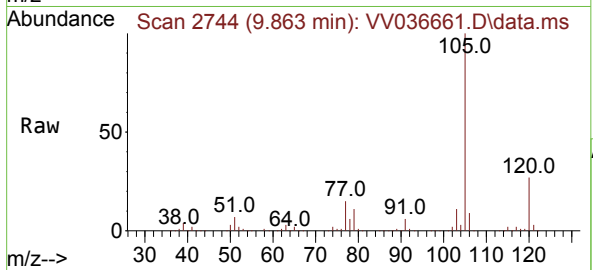
Tgt Ion:105 Resp: 673268

Ion Ratio Lower Upper

105 100

120 27.3 22.1 33.1

77 14.5 11.8 17.6



#61

1,2,3-Trichloropropane

Concen: 26.142 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. -0.003 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

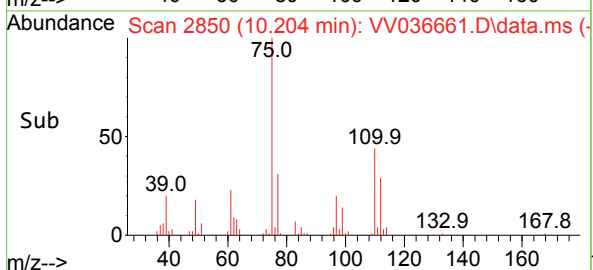
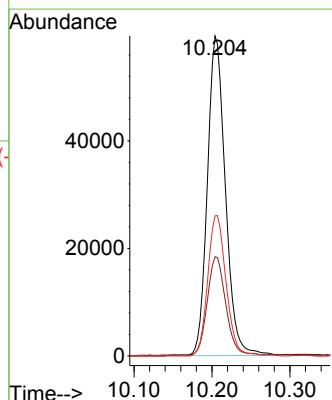
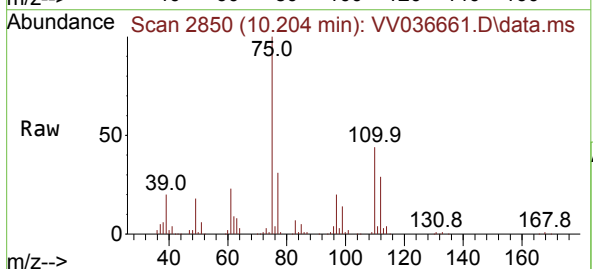
Tgt Ion: 75 Resp: 95683

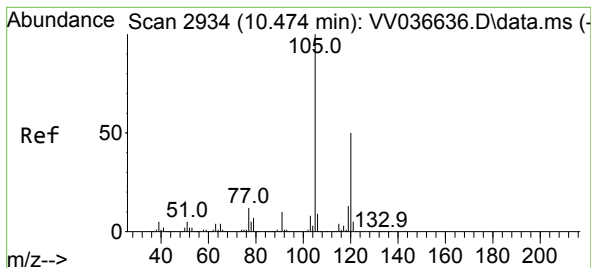
Ion Ratio Lower Upper

75 100

77 31.0 25.9 38.9

110 44.5 36.2 54.4





#62

1,3,5-Trimethylbenzene

Concen: 27.455 ug/L

RT: 10.471 min Scan# 2934

Delta R.T. -0.003 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

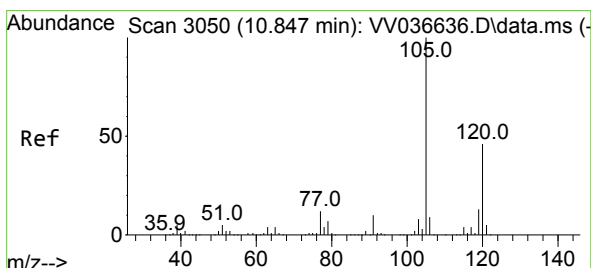
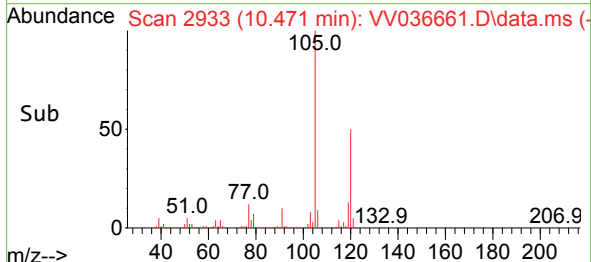
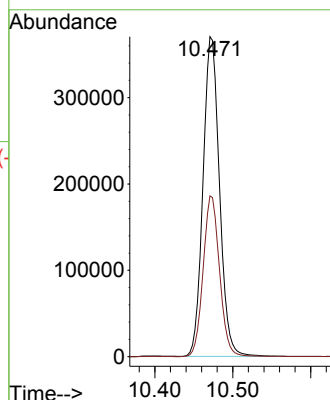
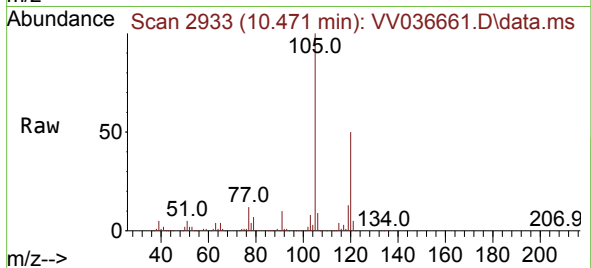
ClientSampleId :

Tgt Ion:105 Resp: 544104

Ion Ratio Lower Upper

105 100

120 50.2 39.8 59.8



#63

1,2,4-Trimethylbenzene

Concen: 27.298 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VV036661.D

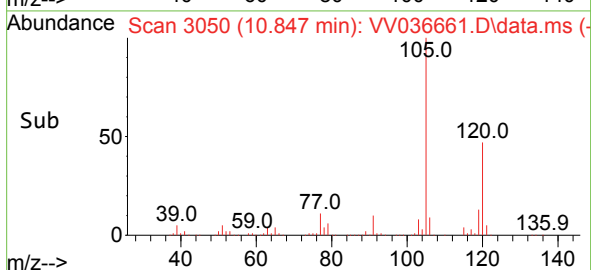
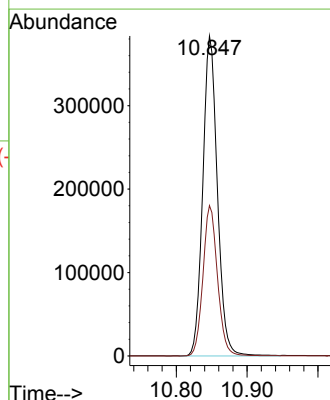
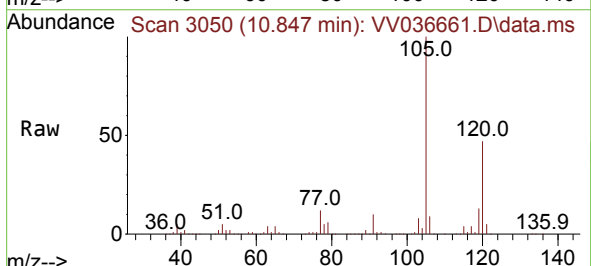
Acq: 24 Jul 2024 09:09

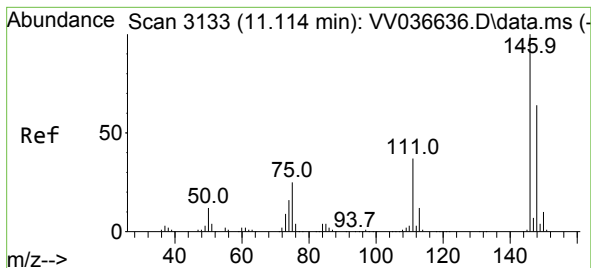
Tgt Ion:105 Resp: 547647

Ion Ratio Lower Upper

105 100

120 46.9 37.2 55.8





#64

1,3-Dichlorobenzene

Concen: 26.061 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

ClientSampleId :

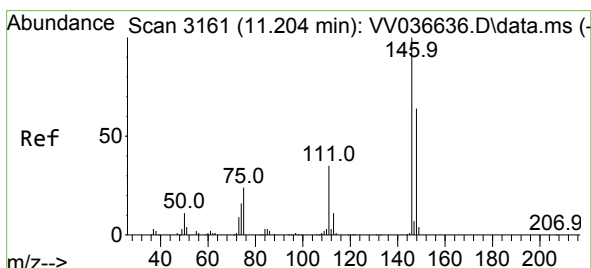
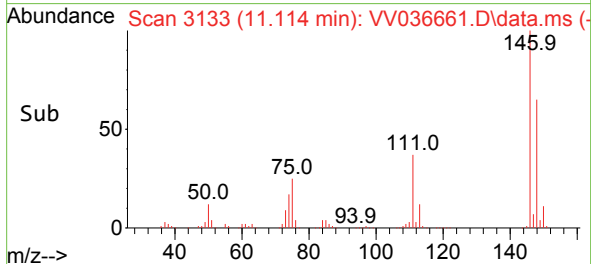
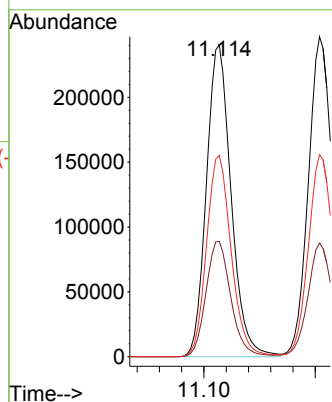
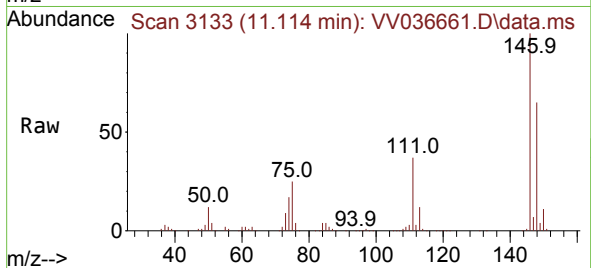
Tgt Ion:146 Resp: 370146

Ion Ratio Lower Upper

146 100

111 37.0 25.5 47.3

148 64.6 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 26.251 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

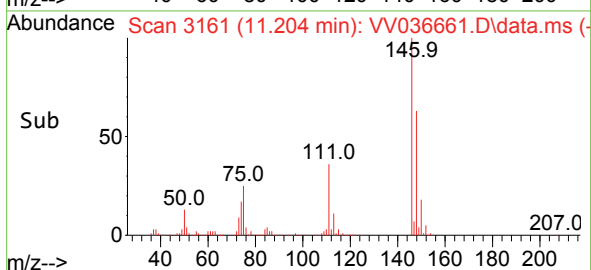
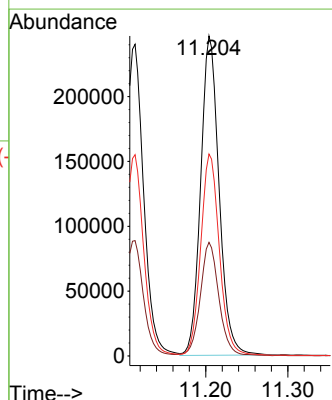
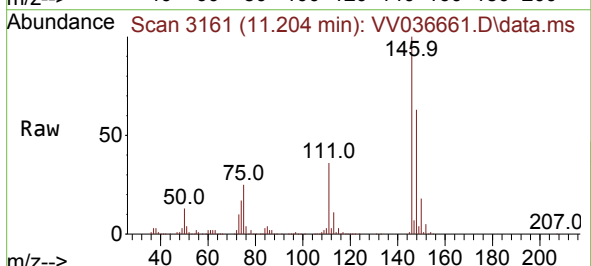
Tgt Ion:146 Resp: 383972

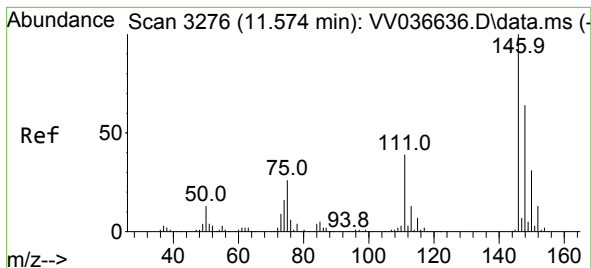
Ion Ratio Lower Upper

146 100

111 35.5 24.9 46.3

148 63.1 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 26.205 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

ClientSampleId :

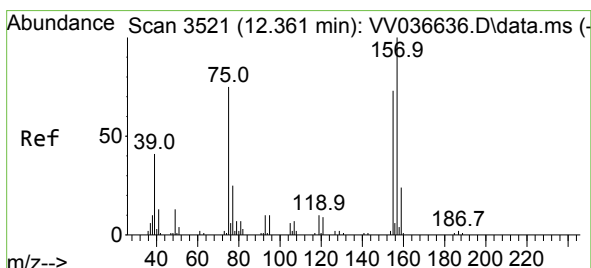
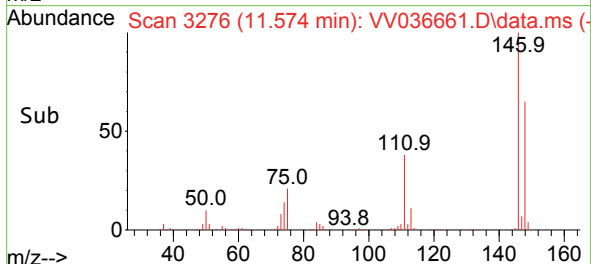
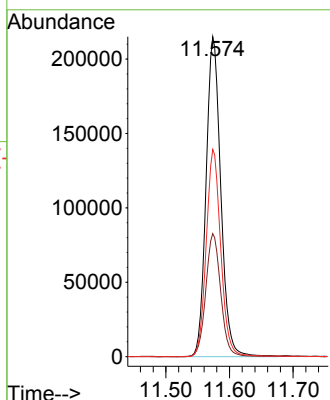
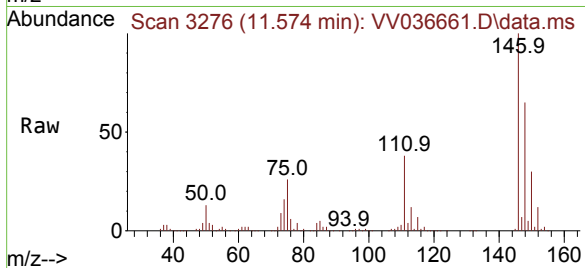
Tgt Ion:146 Resp: 346070

Ion Ratio Lower Upper

146 100

111 38.5 31.3 46.9

148 64.8 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 25.522 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

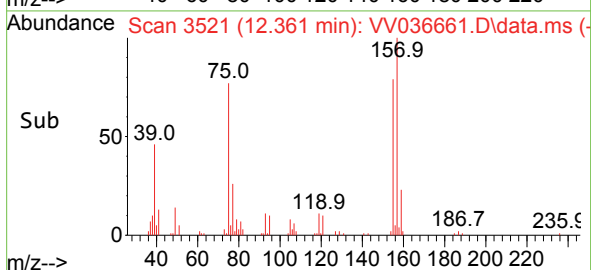
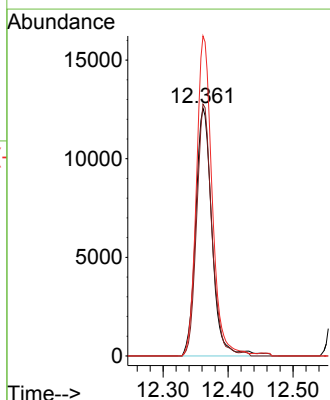
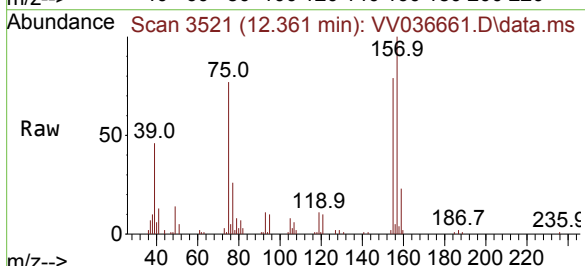
Tgt Ion: 75 Resp: 21998

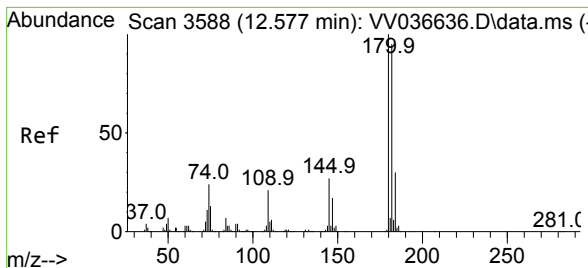
Ion Ratio Lower Upper

75 100

155 101.8 79.5 119.3

157 129.3 100.2 150.4





#69

1,3,5-Trichlorobenzene

Concen: 25.933 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

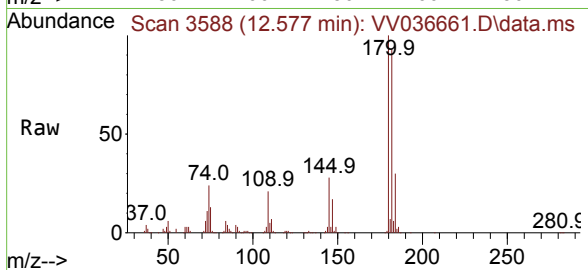
Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 290554

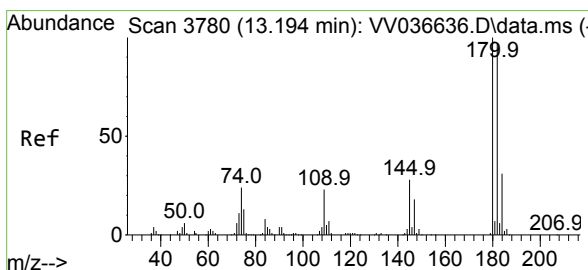
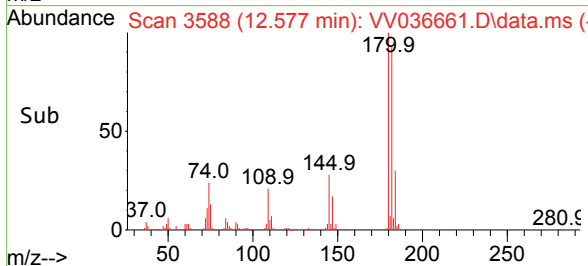
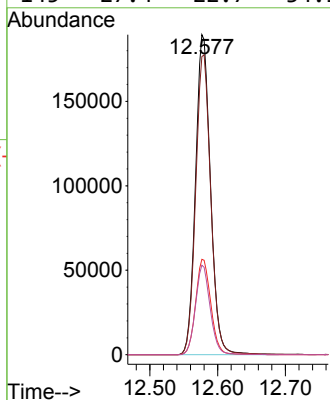
Ion Ratio Lower Upper

180 100

182 94.3 77.0 115.4

184 30.0 24.6 36.8

145 27.4 22.7 34.1



#70

1,2,4-trichlorobenzene

Concen: 25.262 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036661.D

Acq: 24 Jul 2024 09:09

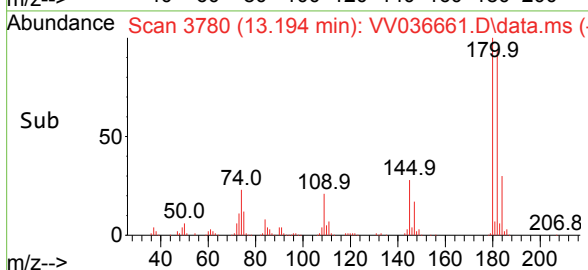
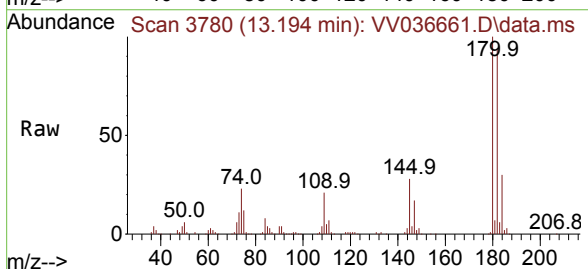
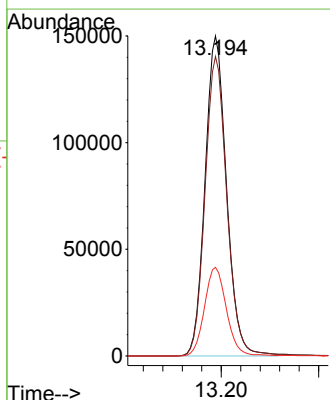
Tgt Ion:180 Resp: 229911

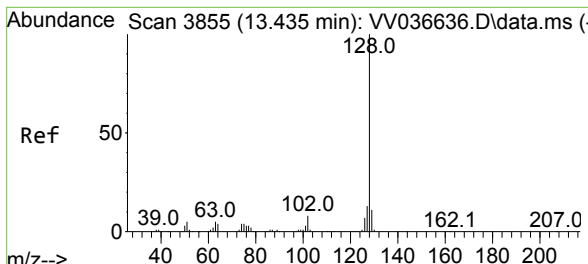
Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.2

145 28.3 23.0 34.6



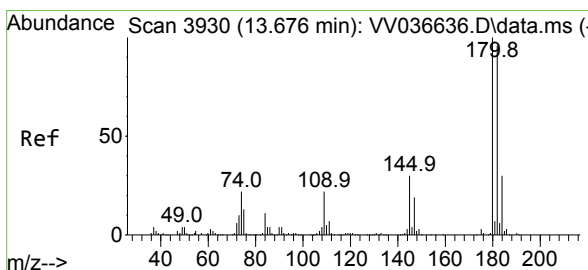
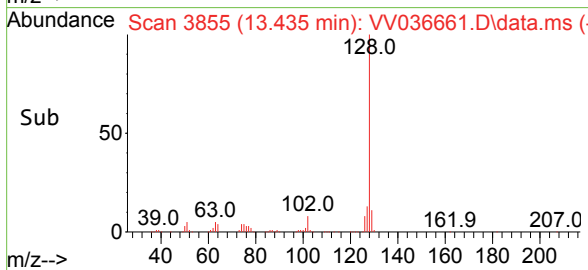
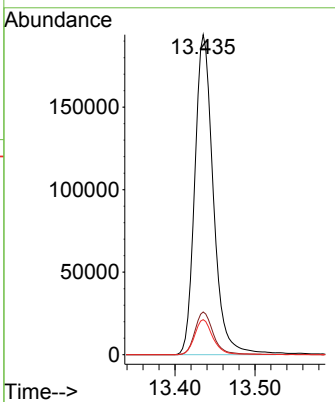
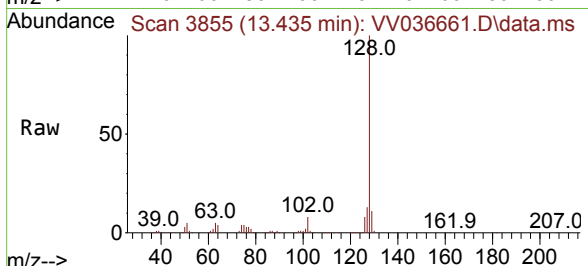


#71
 Naphthalene
 Concen: 23.135 ug/L
 RT: 13.435 min Scan# 3855
 Delta R.T. 0.000 min
 Lab File: VV036661.D
 Acq: 24 Jul 2024 09:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion:128 Resp: 313213

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.7	8.7	13.1



#72
 1,2,3-Trichlorobenzene
 Concen: 26.151 ug/L
 RT: 13.676 min Scan# 3930
 Delta R.T. 0.000 min
 Lab File: VV036661.D
 Acq: 24 Jul 2024 09:09

Tgt Ion:180 Resp: 214746

Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.6	113.4
145	30.5	24.6	37.0

