

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062124\
 Data File : VW036232.D
 Acq On : 22 Jun 2024 02:04
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 22 03:04:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 02:57:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	294380	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	300701	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	164549	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	96322	17.797	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.200%
7) Chloroethane-d5	1.526	69	89885	20.829	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.320%
11) 1,1-Dichloroethene-d2	2.050	65	43438	18.029	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.120%
21) 2-Butanone-d5	3.834	46	21900	17.636	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	35.280%
24) Chloroform-d	4.243	84	226110	24.160	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.640%
26) 1,2-Dichloroethane-d4	4.937	65	126939	25.869	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.480%
32) Benzene-d6	4.953	84	414908	23.212	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.840%
36) 1,2-Dichloropropane-d6	5.986	67	134425	23.881	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.520%
41) Toluene-d8	7.240	98	375046	23.780	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.120%
43) trans-1,3-Dichloroprop...	7.551	79	54902	23.788	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.160%
47) 2-Hexanone-d5	8.030	63	46656	61.178	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.360%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	121019	28.771	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.080%
66) 1,2-Dichlorobenzene-d4	11.558	152	141876	23.512	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	107299	20.215	ug/L	99
3) Chloromethane	1.208	50	131698	21.620	ug/L	99
5) Vinyl chloride	1.275	62	149169	23.261	ug/L	100
6) Bromomethane	1.481	94	107197	26.945	ug/L	100
8) Chloroethane	1.542	64	102202	25.639	ug/L	97
9) Trichlorofluoromethane	1.706	101	202388	25.413	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	127443	25.214	ug/L	98
12) 1,1-Dichloroethene	2.060	96	118269	25.089	ug/L	88
13) Acetone	2.163	43	57573	29.764	ug/L	93
14) Carbon disulfide	2.230	76	383186	23.408	ug/L	100
15) Methyl Acetate	2.388	43	65978	27.442	ug/L	93
16) Methylene chloride	2.439	84	203264	30.515	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	131561	26.272	ug/L	97
18) Methyl tert-butyl Ether	2.700	73	364128	32.390	ug/L	100
19) 1,1-Dichloroethane	3.105	63	260161	27.281	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	141940	28.209	ug/L	98
22) 2-Butanone	3.908	43	61529	37.488	ug/L	85
23) Bromochloromethane	4.143	128	76434	30.283	ug/L	97
25) Chloroform	4.269	83	275744	28.109	ug/L	99

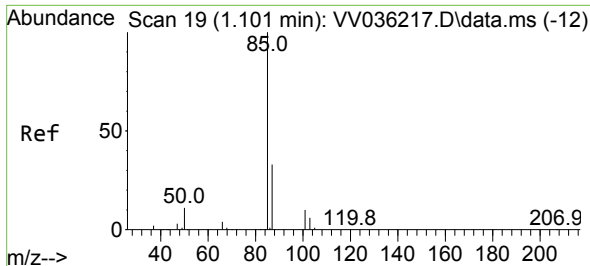
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062124\
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 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 02:57:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	191791	31.316	ug/L	99
29) Cyclohexane	4.574	56	164365	22.957	ug/L	97
30) 1,1,1-Trichloroethane	4.507	97	210433	25.598	ug/L	98
31) Carbon tetrachloride	4.728	117	180912	25.085	ug/L	100
33) Benzene	5.005	78	550912	28.012	ug/L	100
34) Trichloroethene	5.828	95	165296	27.423	ug/L	99
35) Methylcyclohexane	6.047	83	198568	23.822	ug/L	98
37) 1,2-Dichloropropane	6.088	63	154786	29.974	ug/L	99
38) Bromodichloromethane	6.429	83	203600	29.787	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	214710	27.799	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	180903	64.478	ug/L	96
42) Toluene	7.310	91	581381	28.930	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	193774	29.045	ug/L	96
45) 1,1,2-Trichloroethane	7.767	97	130303	30.496	ug/L	99
46) Tetrachloroethene	7.902	164	106804	24.228	ug/L	98
48) 2-Hexanone	8.079	43	119800	54.618	ug/L	95
49) Dibromochloromethane	8.172	129	144501	30.900	ug/L	98
50) 1,2-Dibromoethane	8.281	107	129619	31.615	ug/L	100
51) Chlorobenzene	8.812	112	383884	28.036	ug/L	98
52) Ethylbenzene	8.944	91	600357	27.923	ug/L	100
53) m,p-Xylene	9.069	106	229619	28.422	ug/L	100
54) o-Xylene	9.477	106	222066	29.148	ug/L	96
55) Styrene	9.493	104	418766	31.170	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	124530	32.548	ug/L	99
59) Bromoform	9.664	173	96539	31.110	ug/L	99
60) Isopropylbenzene	9.863	105	572333	27.111	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	122978	31.600	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	421695	27.547	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	473960	28.736	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	305655	27.570	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	314678	27.499	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	295867	28.360	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	27160	31.210	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	206656	24.920	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	162520	24.890	ug/L	99
71) Naphthalene	13.435	128	378482	35.518	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	167440	28.101	ug/L	99

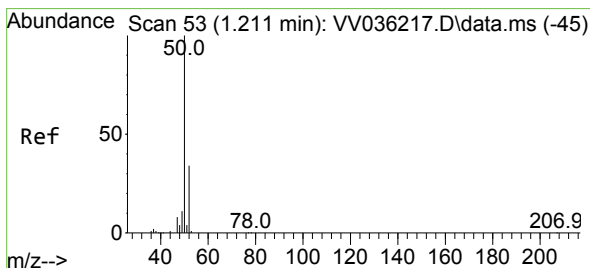
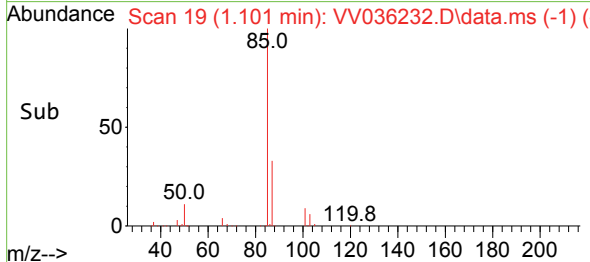
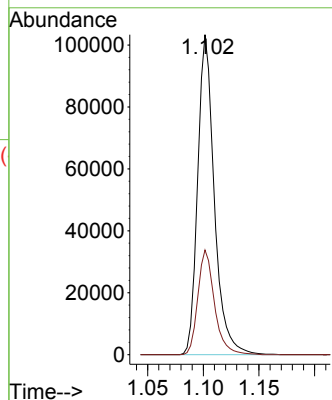
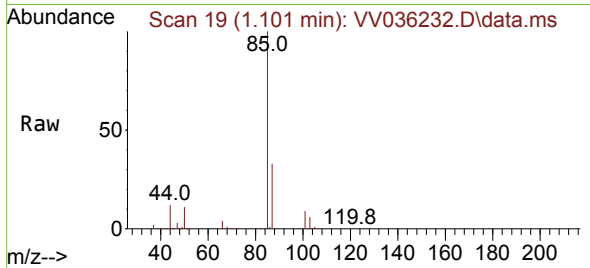
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#2
Dichlorodifluoromethane
Concen: 20.215 ug/L
RT: 1.101 min Scan# 19
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

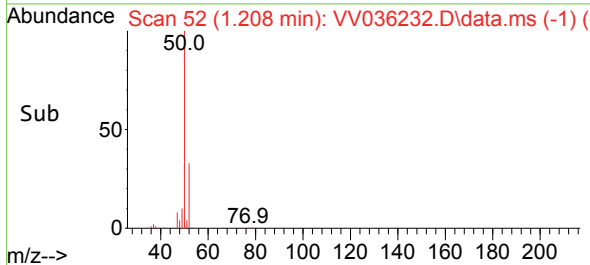
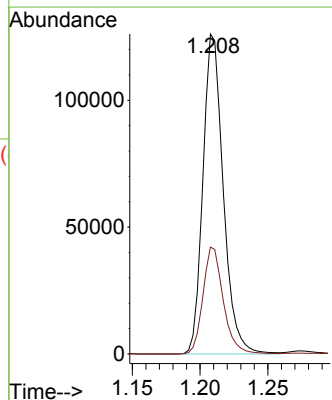
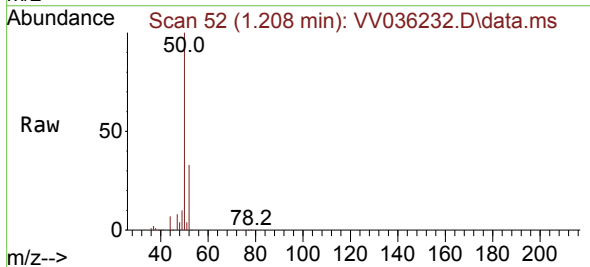
Instrument :
MSVOA_V
ClientSampleId :

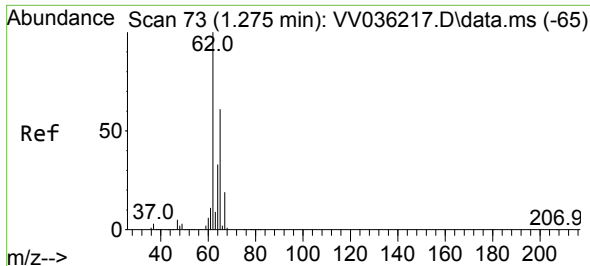
Tgt Ion: 85 Resp: 107299
Ion Ratio Lower Upper
85 100
87 32.8 25.9 38.9



#3
Chloromethane
Concen: 21.620 ug/L
RT: 1.208 min Scan# 52
Delta R.T. -0.003 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

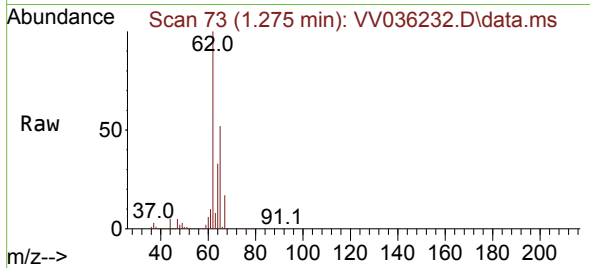
Tgt Ion: 50 Resp: 131698
Ion Ratio Lower Upper
50 100
52 33.4 22.8 42.4



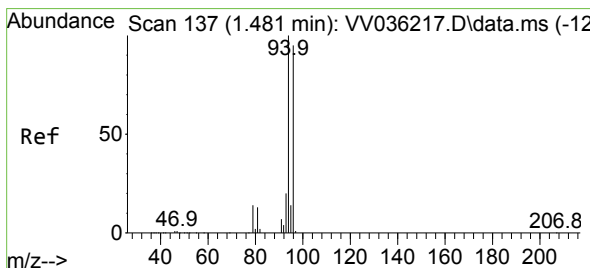
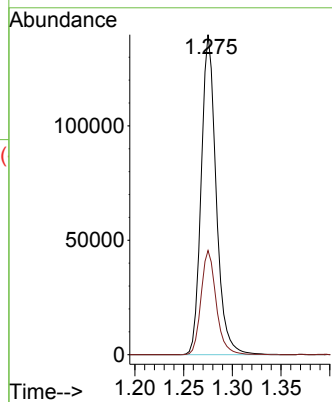
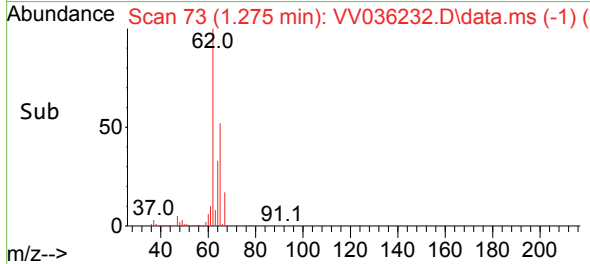


#5
 Vinyl chloride
 Concen: 23.261 ug/L
 RT: 1.275 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: VV036232.D
 Acq: 22 Jun 2024 02:04

Instrument :
 MSVOA_V
 ClientSampleId :

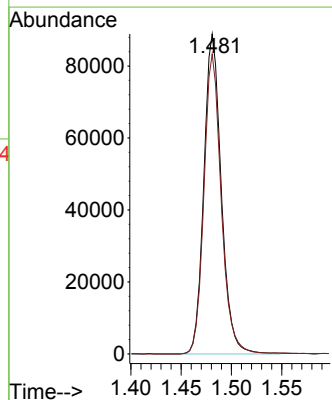
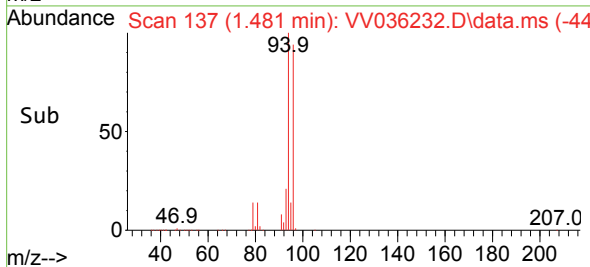
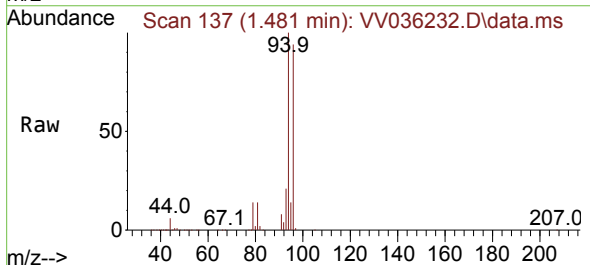


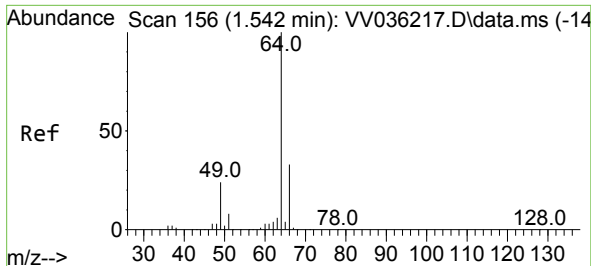
Tgt Ion: 62 Resp: 149169
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.9 42.5



#6
 Bromomethane
 Concen: 26.945 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. 0.000 min
 Lab File: VV036232.D
 Acq: 22 Jun 2024 02:04

Tgt Ion: 94 Resp: 107197
 Ion Ratio Lower Upper
 94 100
 96 93.7 65.7 122.1

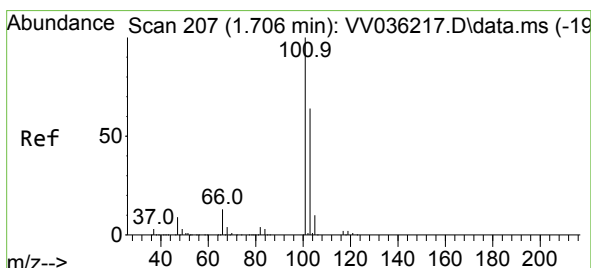
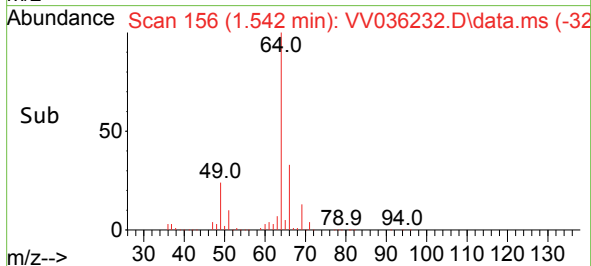
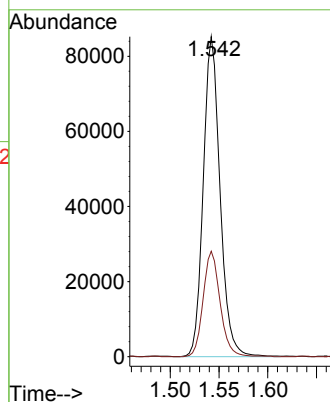
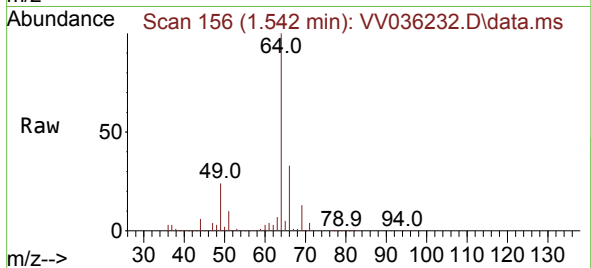




#8
Chloroethane
Concen: 25.639 ug/L
RT: 1.542 min Scan# 156
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

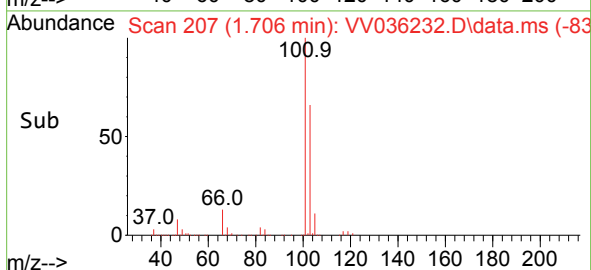
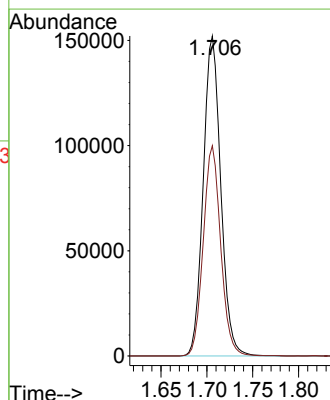
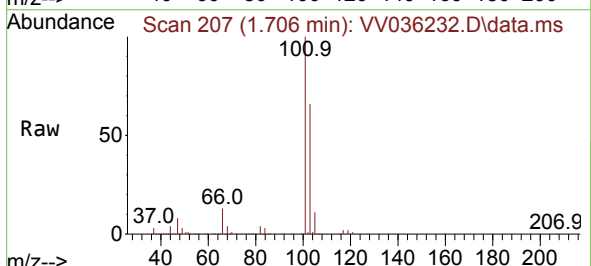
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MSVOA_V
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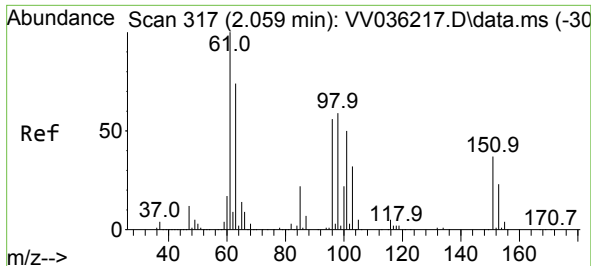
Tgt Ion: 64 Resp: 102202
Ion Ratio Lower Upper
64 100
66 33.0 22.0 41.0



#9
Trichlorofluoromethane
Concen: 25.413 ug/L
RT: 1.706 min Scan# 207
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

Tgt Ion:101 Resp: 202388
Ion Ratio Lower Upper
101 100
103 65.3 51.8 77.8





#10

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

Concen: 25.214 ug/L

RT: 2.060 min Scan# 317

Delta R.T. 0.000 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

Instrument :

MSVOA_V

ClientSampleId :

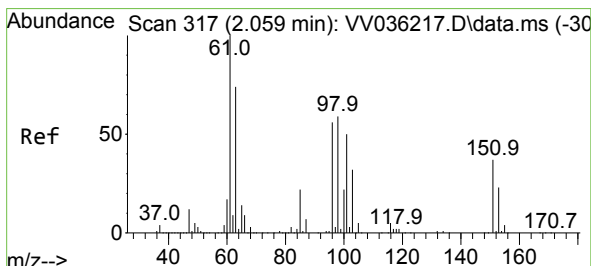
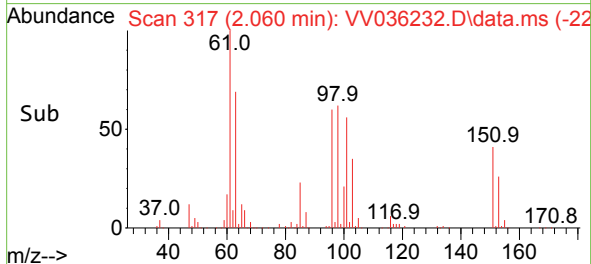
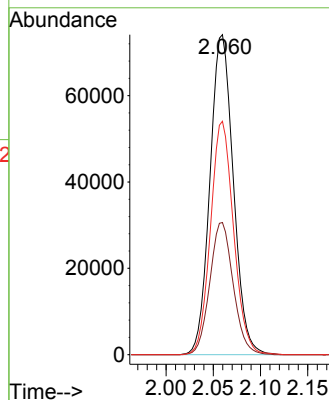
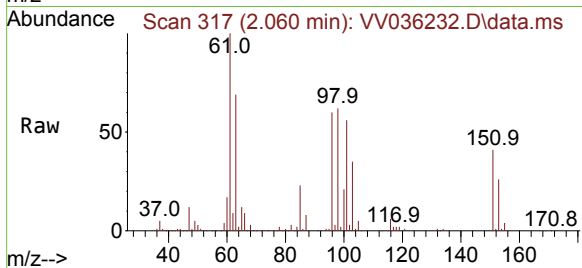
Tgt Ion:101 Resp: 127443

Ion Ratio Lower Upper

101 100

85 41.4 34.5 51.7

151 72.1 56.3 84.5



#12

1,1-Dichloroethene

Concen: 25.089 ug/L

RT: 2.060 min Scan# 317

Delta R.T. 0.000 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

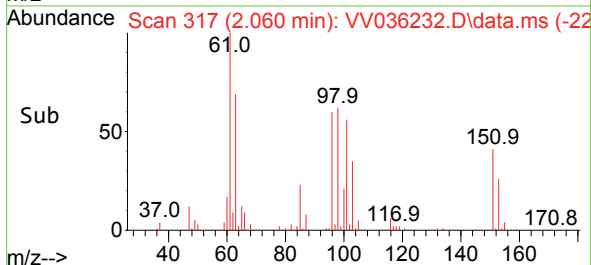
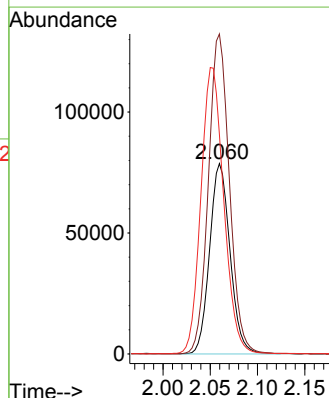
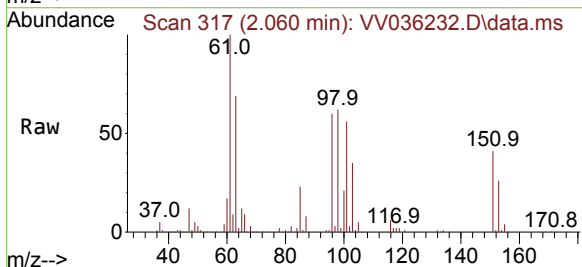
Tgt Ion: 96 Resp: 118269

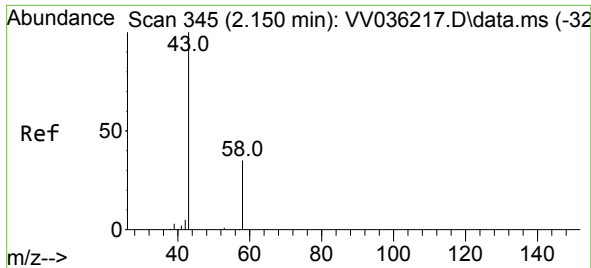
Ion Ratio Lower Upper

96 100

61 168.0 127.3 236.3

63 115.4 93.7 173.9





#13

Acetone

Concen: 29.764 ug/L

RT: 2.163 min Scan# 34

Delta R.T. 0.013 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

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MSVOA_V

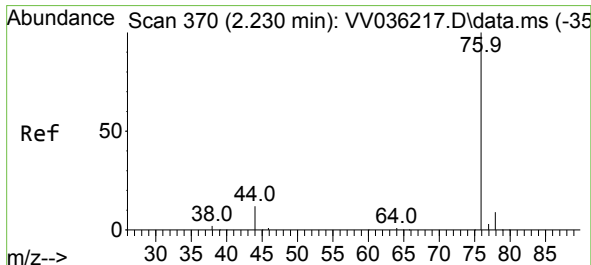
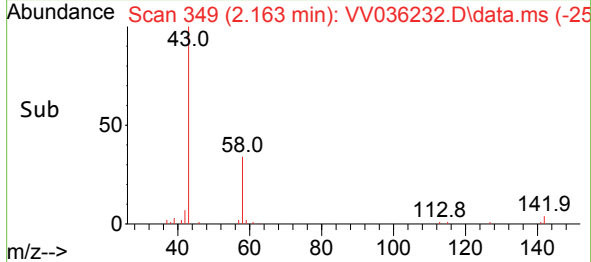
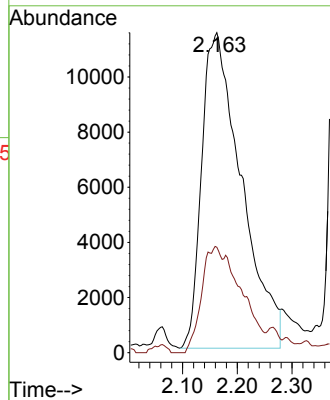
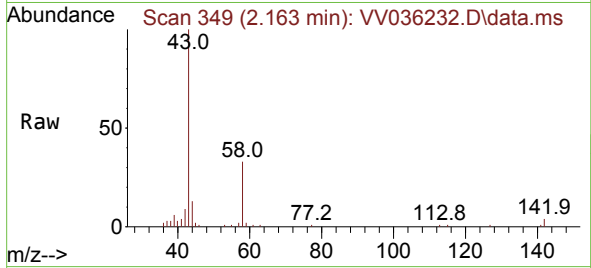
ClientSampleId :

Tgt Ion: 43 Resp: 57573

Ion Ratio Lower Upper

43 100

58 9.3 0.0 24.2



#14

Carbon disulfide

Concen: 23.408 ug/L

RT: 2.230 min Scan# 370

Delta R.T. 0.000 min

Lab File: VV036232.D

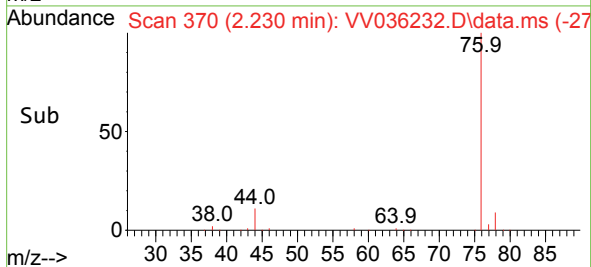
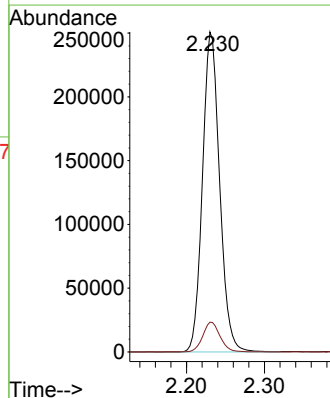
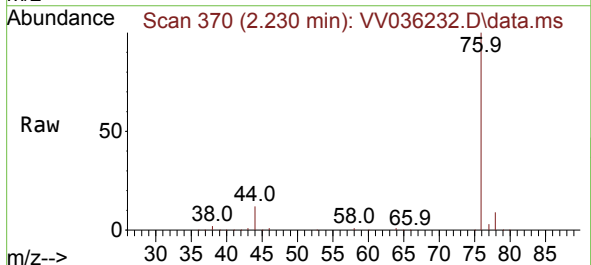
Acq: 22 Jun 2024 02:04

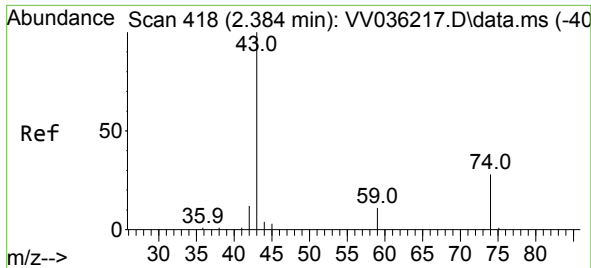
Tgt Ion: 76 Resp: 383186

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

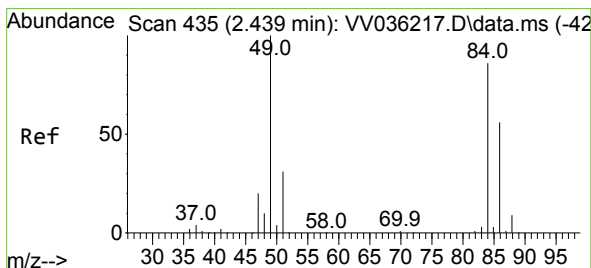
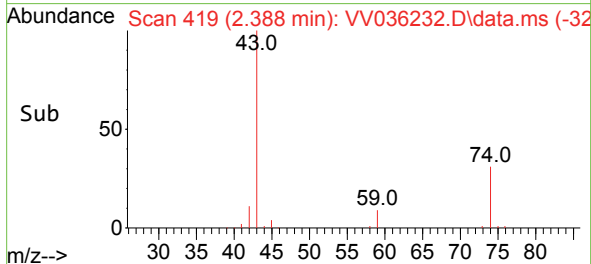
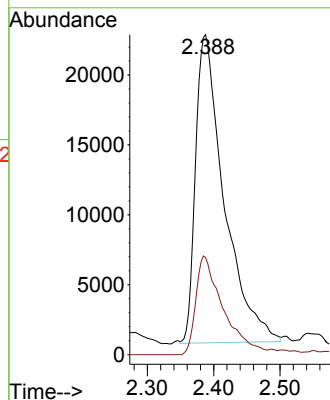
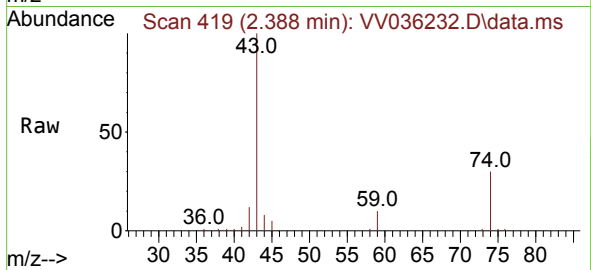




#15
Methyl Acetate
Concen: 27.442 ug/L
RT: 2.388 min Scan# 418
Delta R.T. 0.003 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

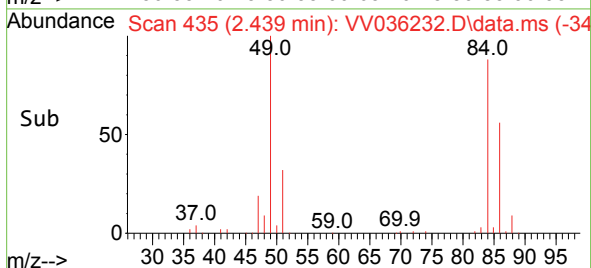
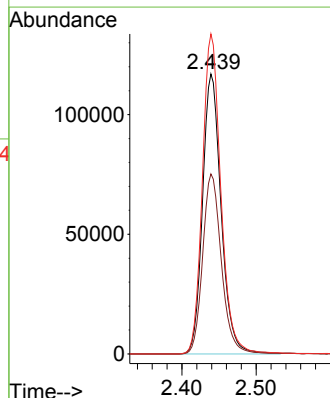
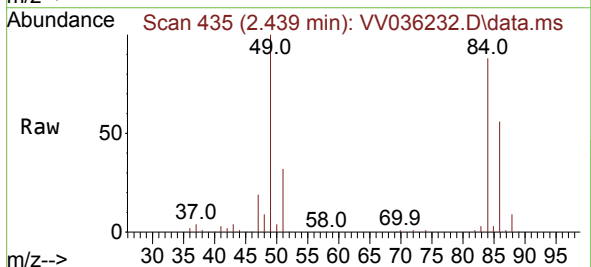
Instrument :
MSVOA_V
ClientSampleId :

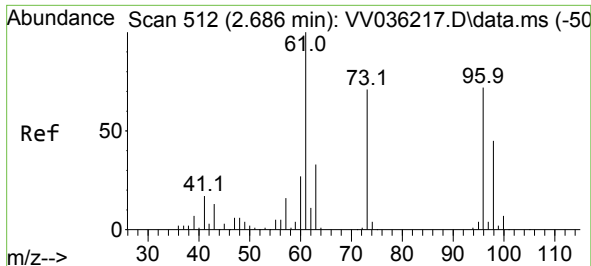
Tgt Ion: 43 Resp: 65978
Ion Ratio Lower Upper
43 100
74 30.6 21.4 32.2



#16
Methylene chloride
Concen: 30.515 ug/L
RT: 2.439 min Scan# 435
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

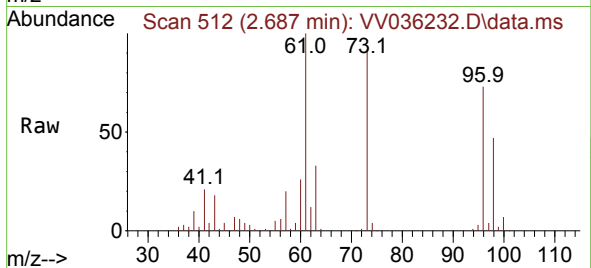
Tgt Ion: 84 Resp: 203264
Ion Ratio Lower Upper
84 100
86 64.3 44.6 82.8
49 114.3 81.1 150.5



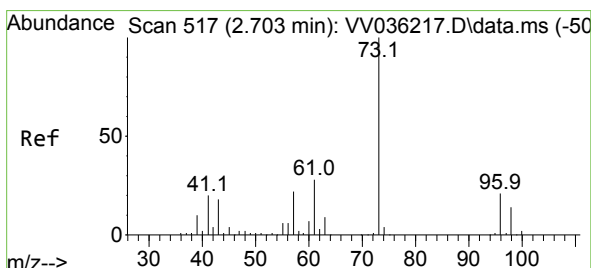
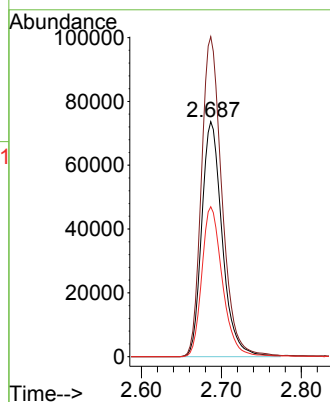
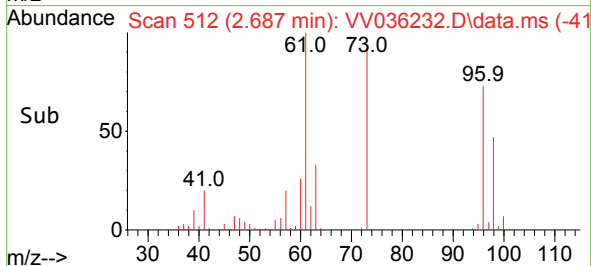


#17
trans-1,2-Dichloroethene
Concen: 26.272 ug/L
RT: 2.687 min Scan# 512
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

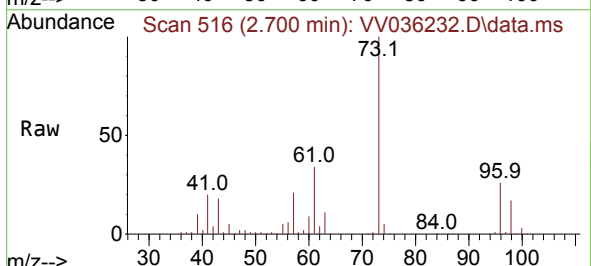
Instrument :
MSVOA_V
ClientSampleId :



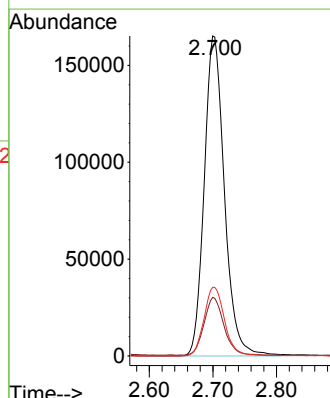
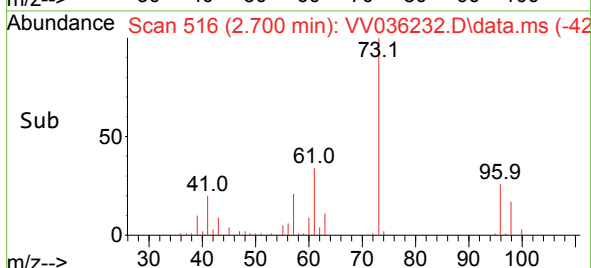
Tgt Ion: 96 Resp: 131561
Ion Ratio Lower Upper
96 100
61 136.1 99.4 184.6
98 63.8 44.9 83.3

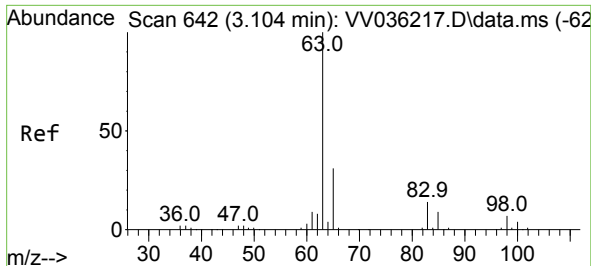


#18
Methyl tert-butyl Ether
Concen: 32.390 ug/L
RT: 2.700 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04



Tgt Ion: 73 Resp: 364128
Ion Ratio Lower Upper
73 100
43 17.7 14.3 21.5
57 22.0 17.8 26.6





#19

1,1-Dichloroethane

Concen: 27.281 ug/L

RT: 3.105 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

Instrument :

MSVOA_V

ClientSampleId :

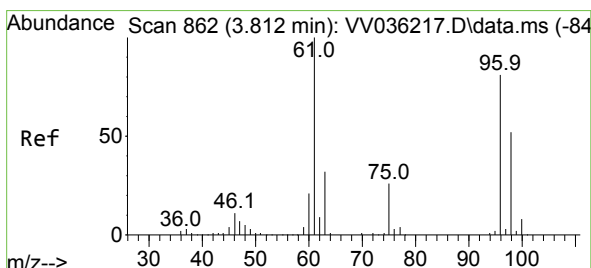
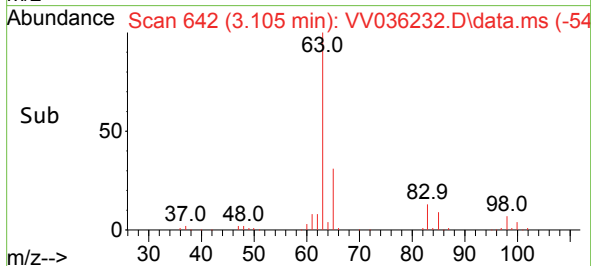
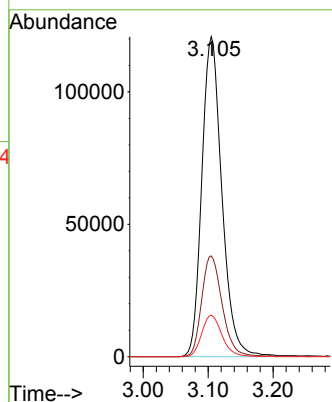
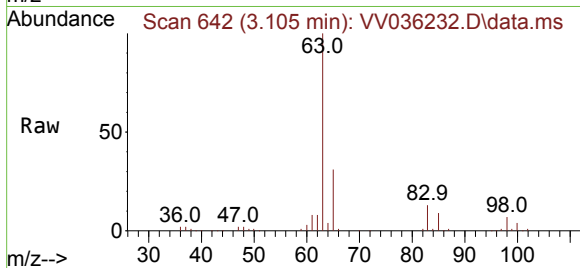
Tgt Ion: 63 Resp: 260161

Ion Ratio Lower Upper

63 100

65 31.5 22.4 41.6

83 13.0 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 28.209 ug/L

RT: 3.809 min Scan# 861

Delta R.T. -0.003 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

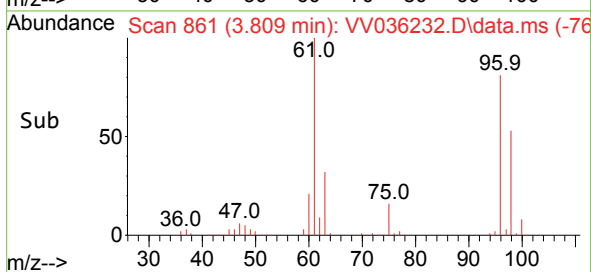
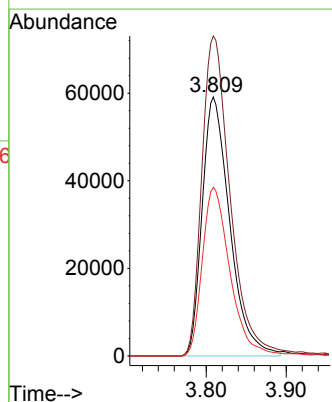
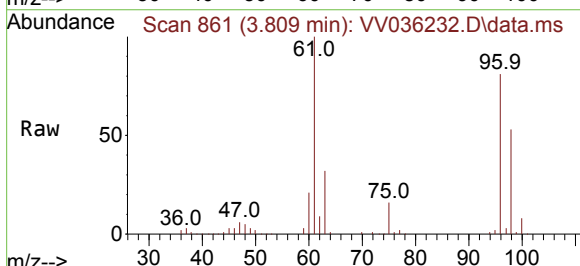
Tgt Ion: 96 Resp: 141940

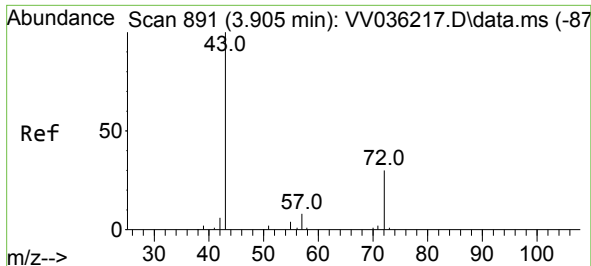
Ion Ratio Lower Upper

96 100

61 123.5 87.9 163.3

98 65.1 44.4 82.5

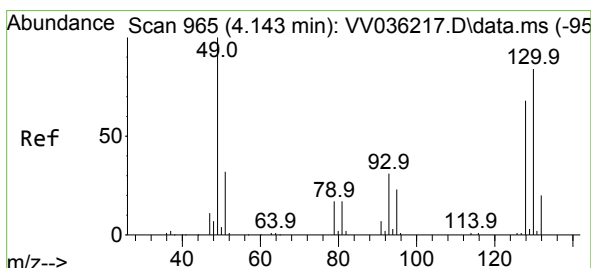
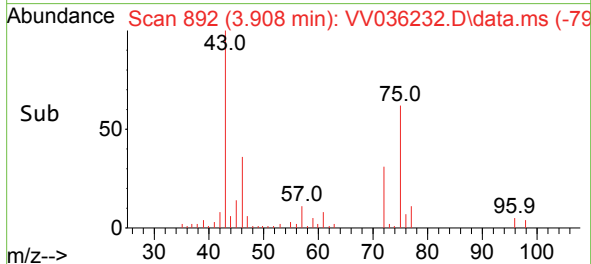
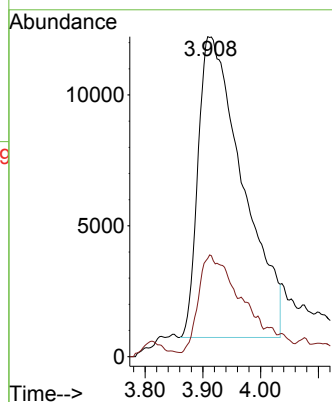
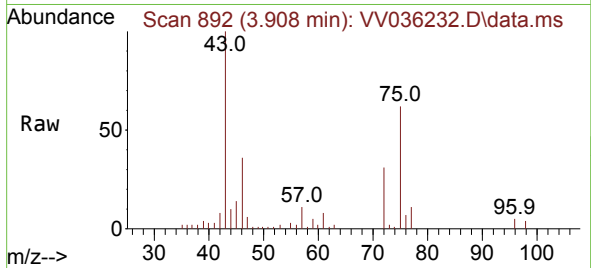




#22
2-Butanone
Concen: 37.488 ug/L
RT: 3.908 min Scan# 891
Delta R.T. 0.003 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

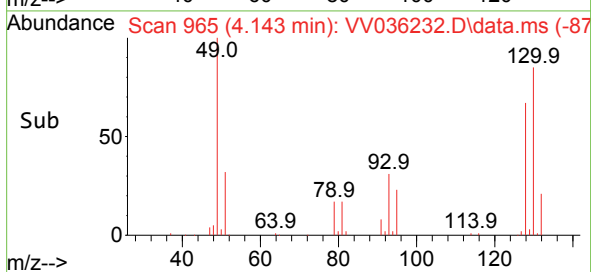
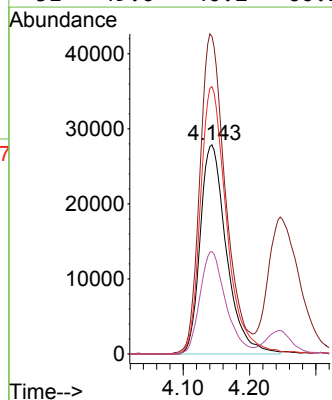
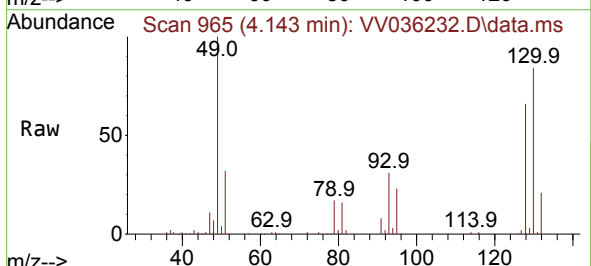
Instrument :
MSVOA_V
ClientSampleId :

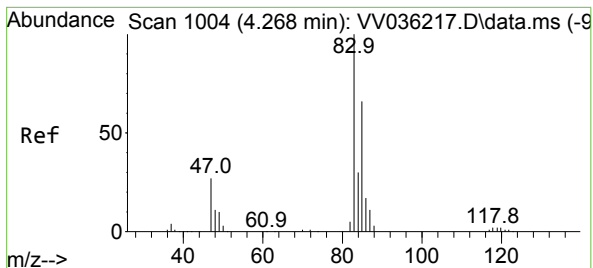
Tgt Ion: 43 Resp: 61529
Ion Ratio Lower Upper
43 100
72 22.8 8.2 24.4



#23
Bromochloromethane
Concen: 30.283 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

Tgt Ion: 128 Resp: 76434
Ion Ratio Lower Upper
128 100
49 152.0 110.2 204.6
130 127.9 90.2 167.4
51 49.0 40.2 60.2





#25

Chloroform

Concen: 28.109 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

Instrument :

MSVOA_V

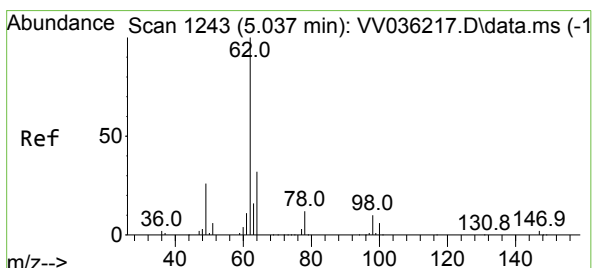
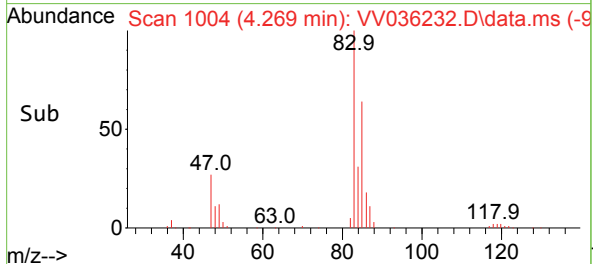
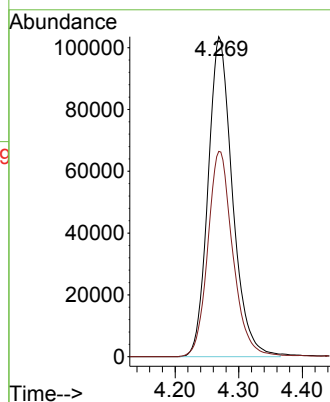
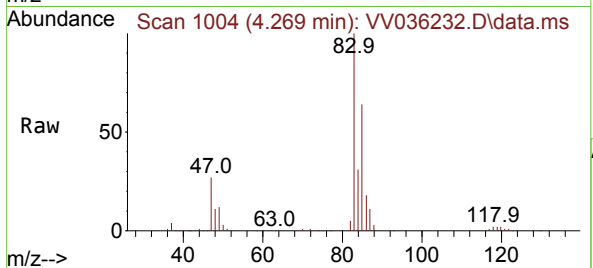
ClientSampleId :

Tgt Ion: 83 Resp: 275744

Ion Ratio Lower Upper

83 100

85 64.2 45.2 84.0



#27

1,2-Dichloroethane

Concen: 31.316 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV036232.D

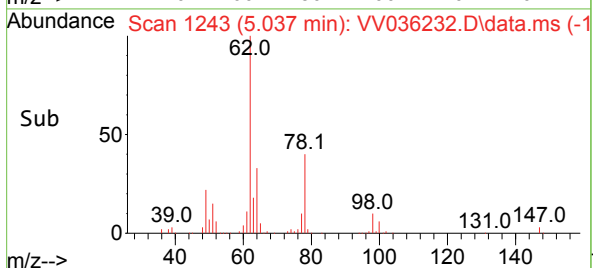
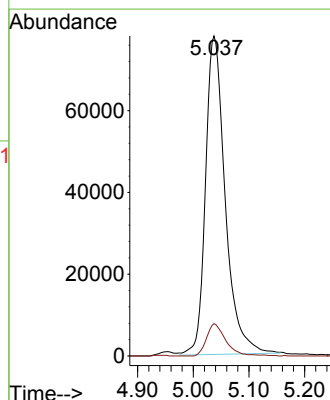
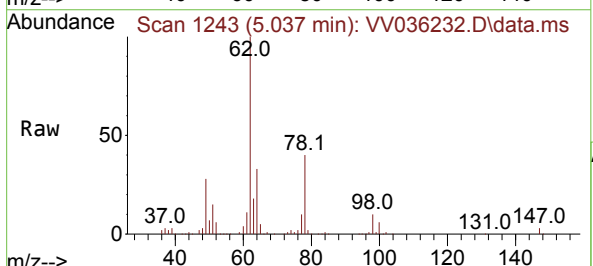
Acq: 22 Jun 2024 02:04

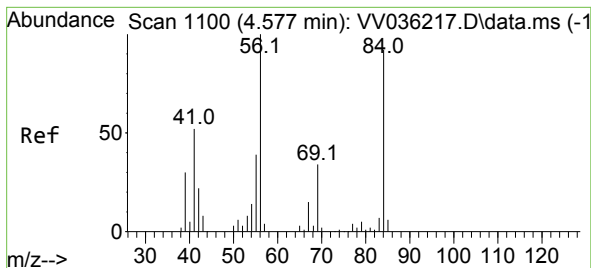
Tgt Ion: 62 Resp: 191791

Ion Ratio Lower Upper

62 100

98 10.1 7.8 11.6





#29

Cyclohexane

Concen: 22.957 ug/L

RT: 4.574 min Scan# 1100

Delta R.T. -0.003 min

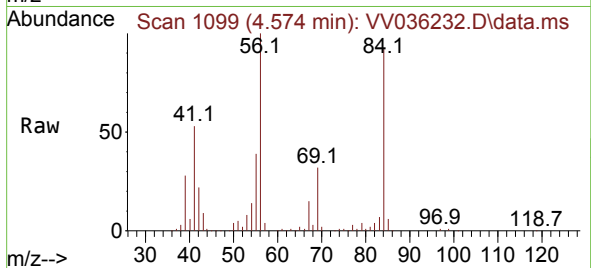
Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

Instrument :

MSVOA_V

ClientSampleId :



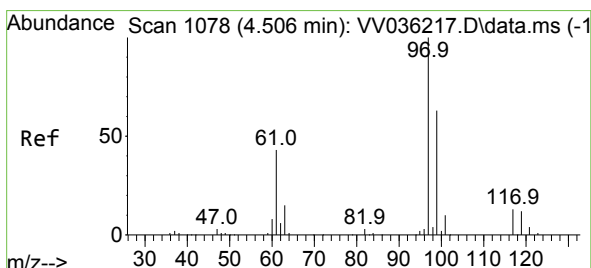
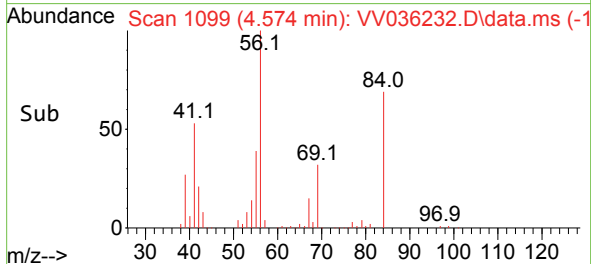
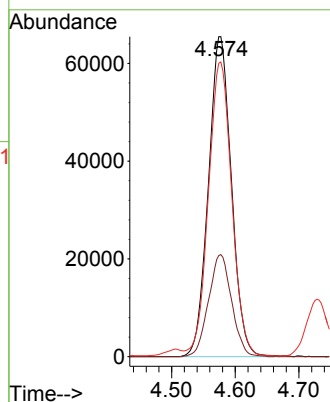
Tgt Ion: 56 Resp: 164365

Ion Ratio Lower Upper

56 100

69 32.1 25.2 37.8

84 93.4 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 25.598 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

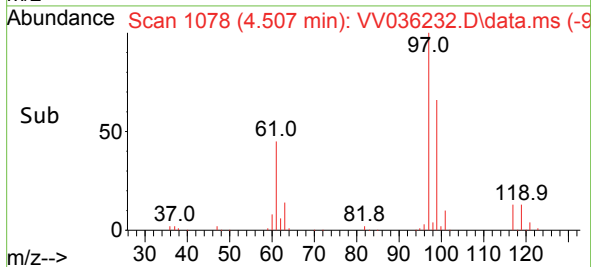
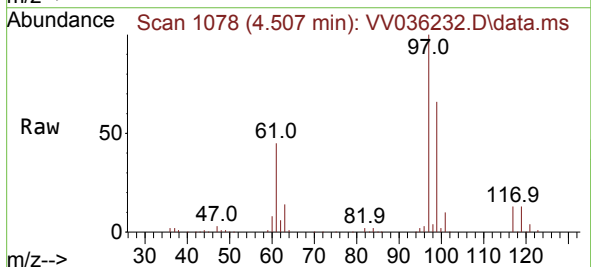
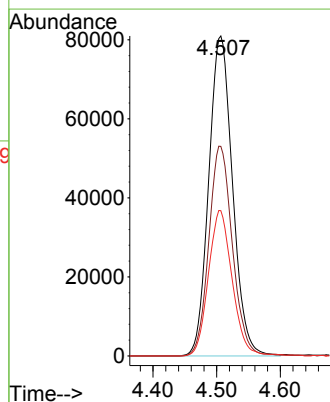
Tgt Ion: 97 Resp: 210433

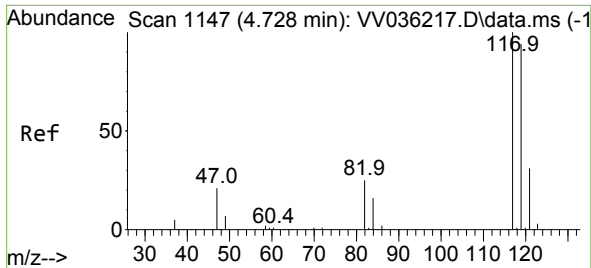
Ion Ratio Lower Upper

97 100

99 64.7 50.9 76.3

61 45.1 35.0 52.6

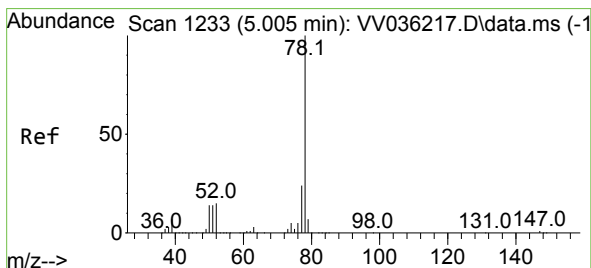
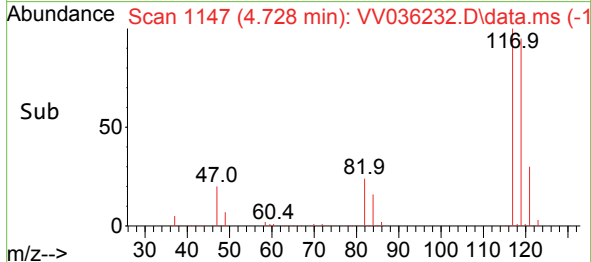
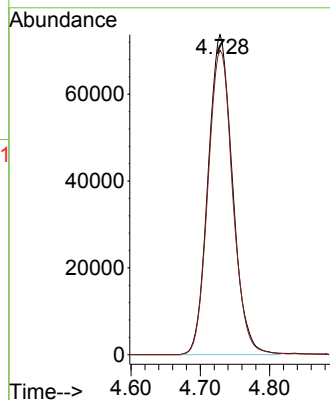
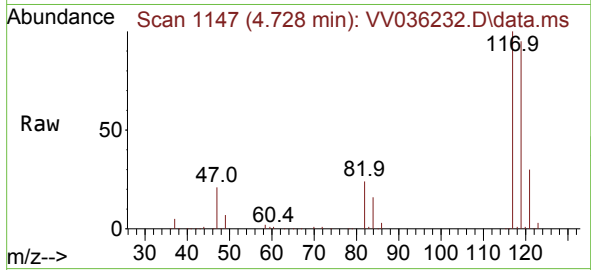




#31
Carbon tetrachloride
Concen: 25.085 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

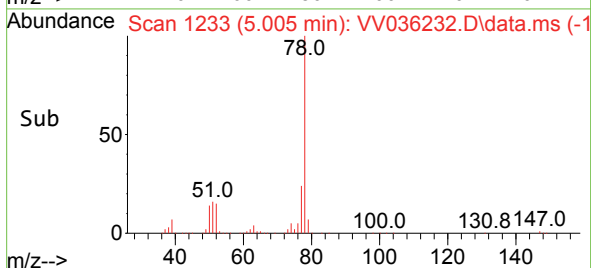
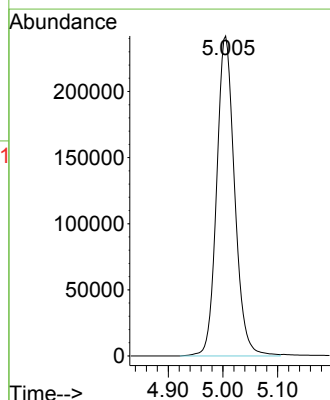
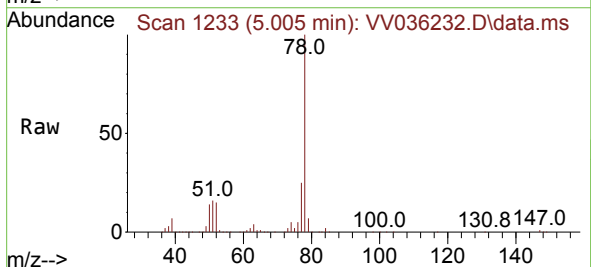
Instrument :
MSVOA_V
ClientSampleId :

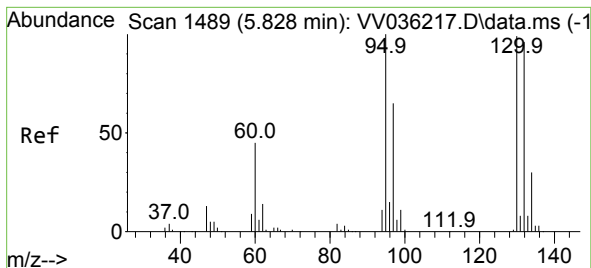
Tgt Ion:117 Resp: 180912
Ion Ratio Lower Upper
117 100
119 96.3 76.8 115.2



#33
Benzene
Concen: 28.012 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

Tgt Ion: 78 Resp: 550912





#34

Trichloroethene

Concen: 27.423 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 165296

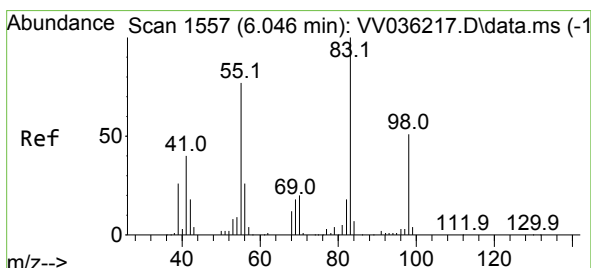
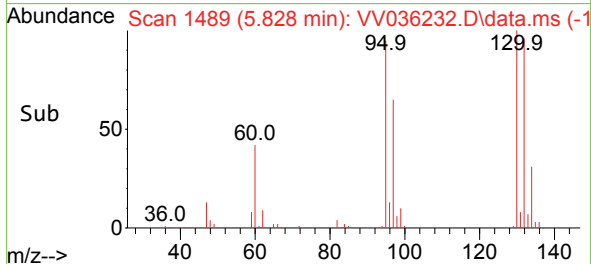
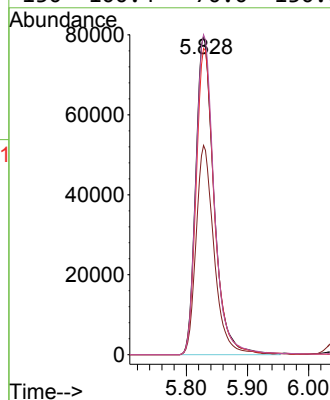
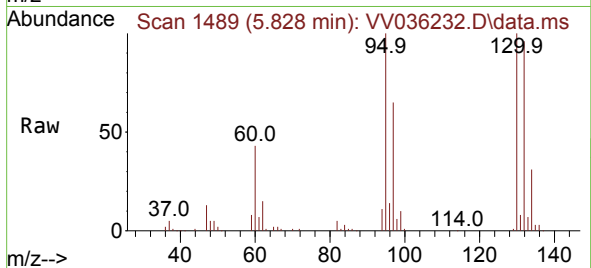
Ion Ratio Lower Upper

95 100

97 65.6 44.8 83.2

132 96.1 66.8 124.2

130 100.4 70.0 130.0



#35

Methylcyclohexane

Concen: 23.822 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

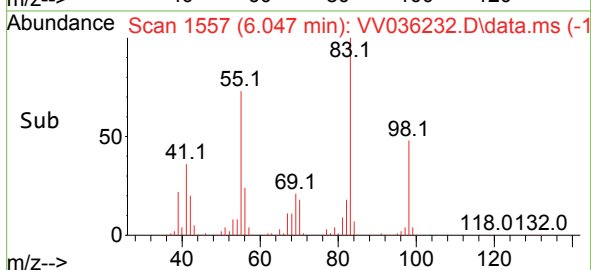
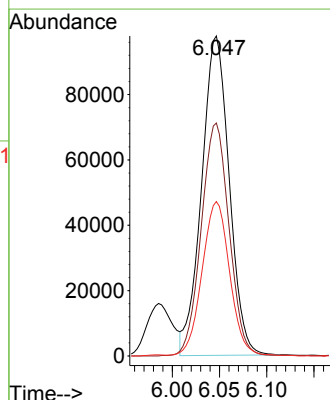
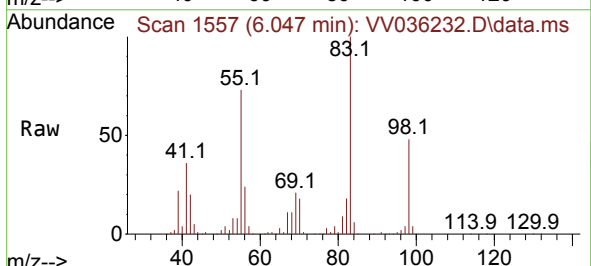
Tgt Ion: 83 Resp: 198568

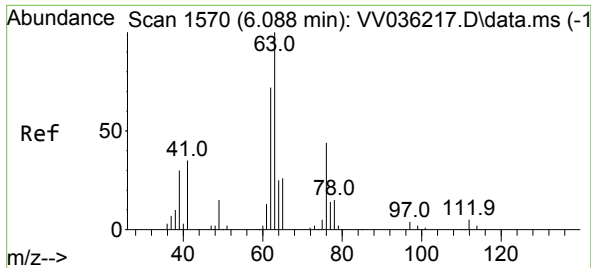
Ion Ratio Lower Upper

83 100

55 73.7 60.7 91.1

98 48.6 38.7 58.1

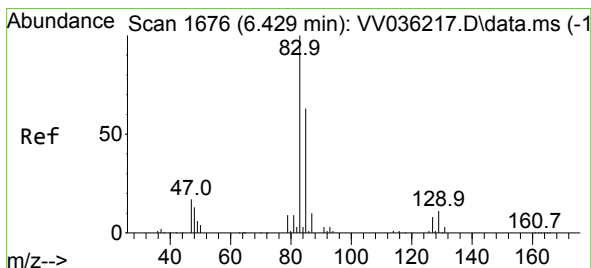
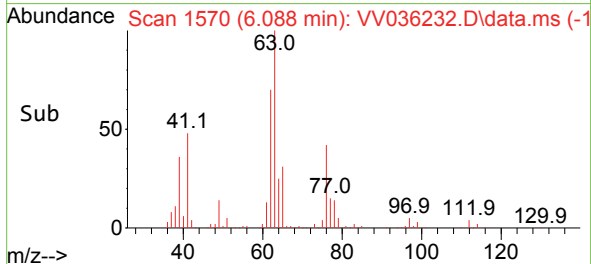
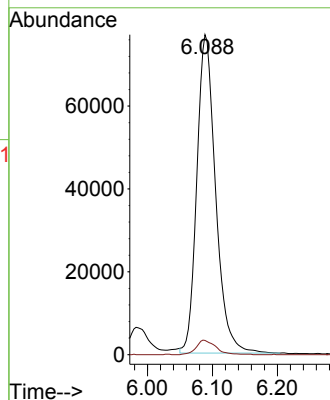
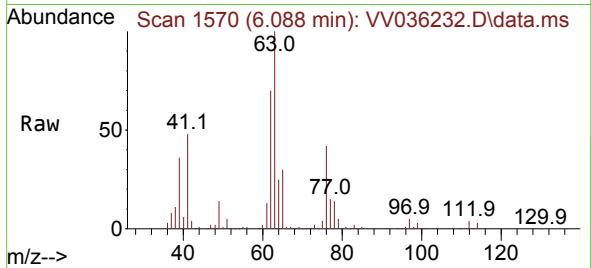




#37
1,2-Dichloropropane
Concen: 29.974 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

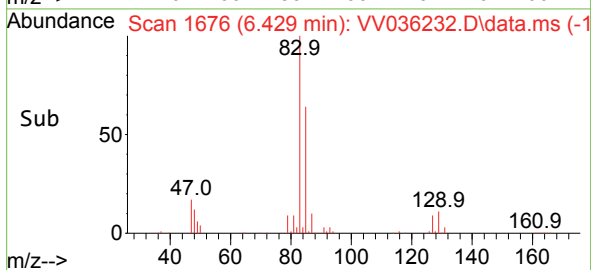
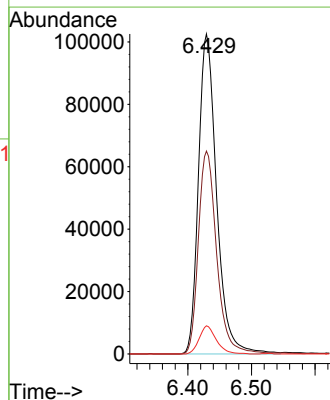
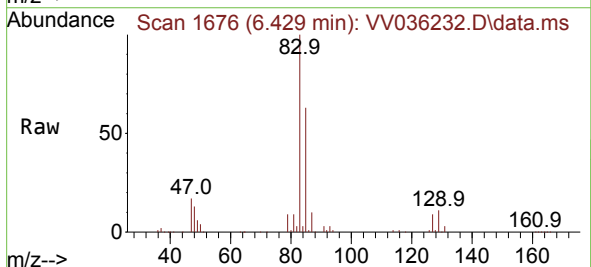
Instrument :
MSVOA_V
ClientSampleId :

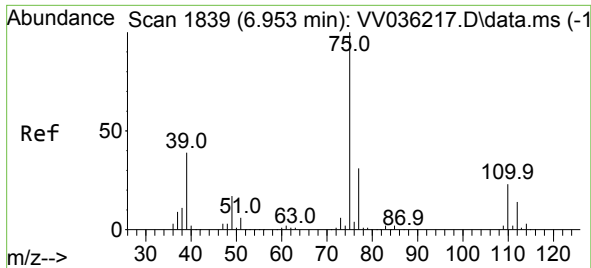
Tgt Ion: 63 Resp: 154786
Ion Ratio Lower Upper
63 100
112 4.8 3.5 5.3



#38
Bromodichloromethane
Concen: 29.787 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

Tgt Ion: 83 Resp: 203600
Ion Ratio Lower Upper
83 100
85 63.4 45.3 84.1
127 8.8 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 27.799 ug/L

RT: 6.950 min Scan# 1839

Delta R.T. -0.003 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

Instrument :

MSVOA_V

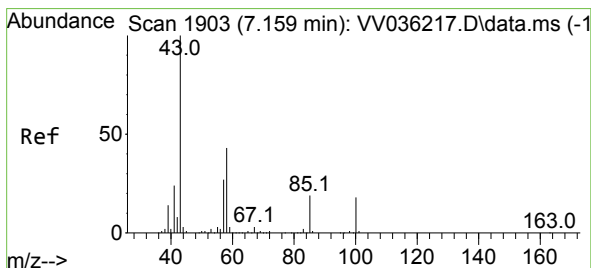
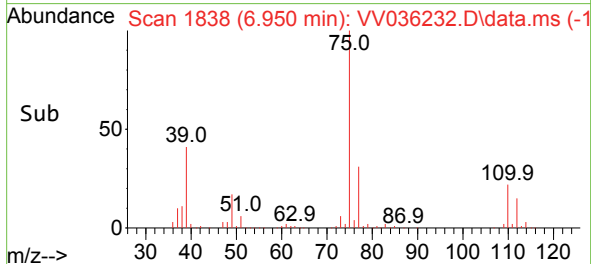
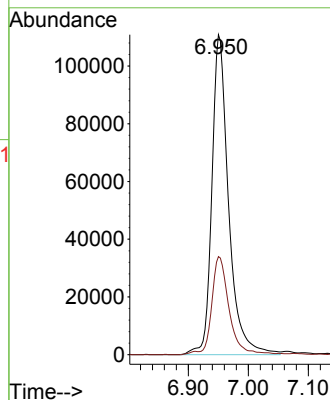
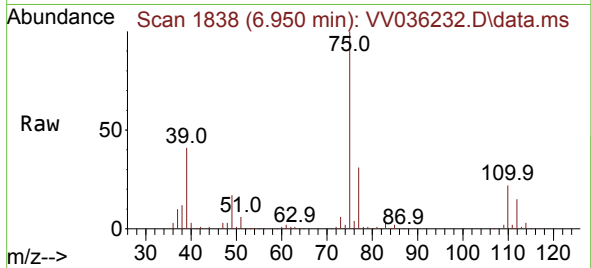
ClientSampleId :

Tgt Ion: 75 Resp: 214710

Ion Ratio Lower Upper

75 100

77 30.7 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 64.478 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

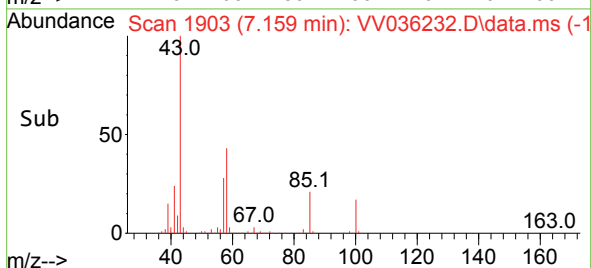
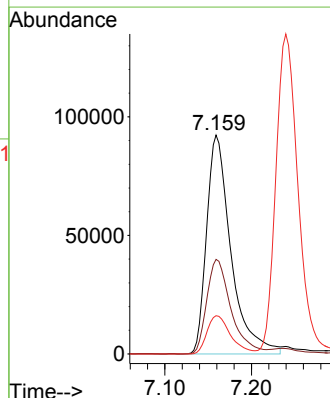
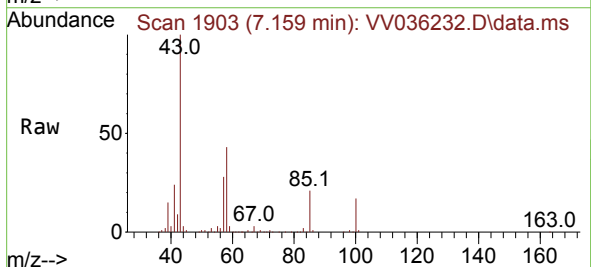
Tgt Ion: 43 Resp: 180903

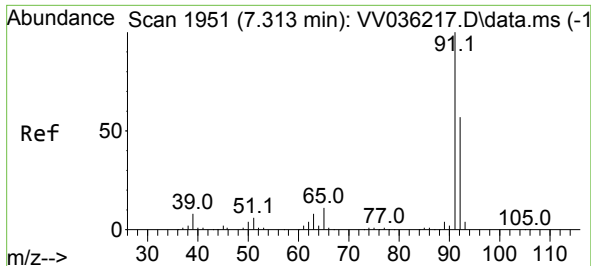
Ion Ratio Lower Upper

43 100

58 43.0 32.5 48.7

100 17.0 12.5 18.7

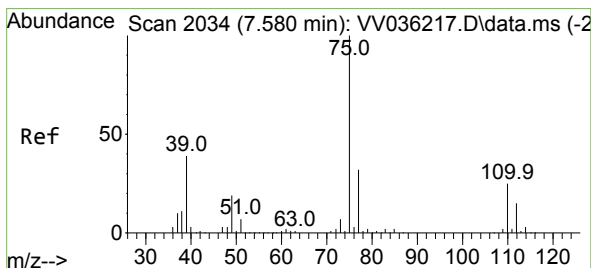
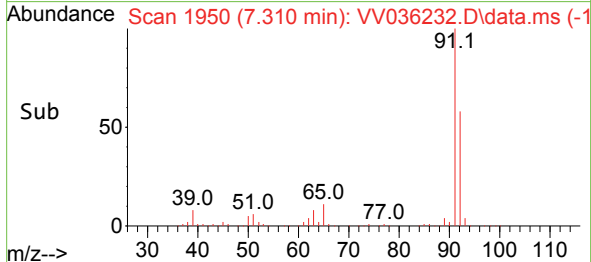
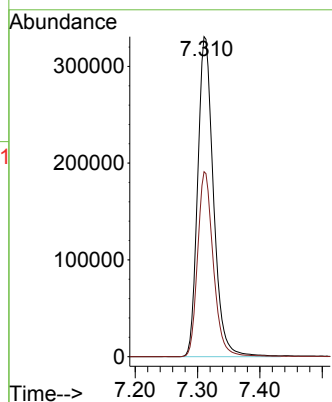
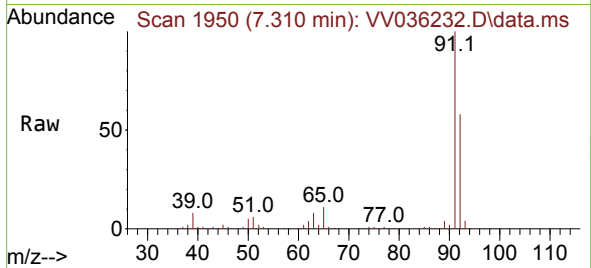




#42
Toluene
Concen: 28.930 ug/L
RT: 7.310 min Scan# 1951
Delta R.T. -0.003 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

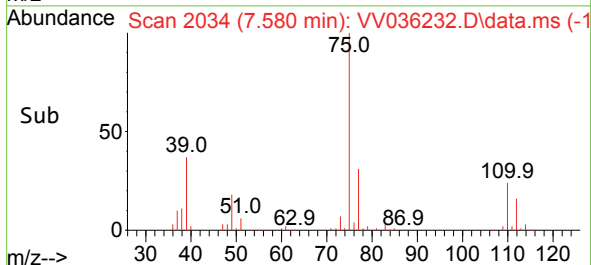
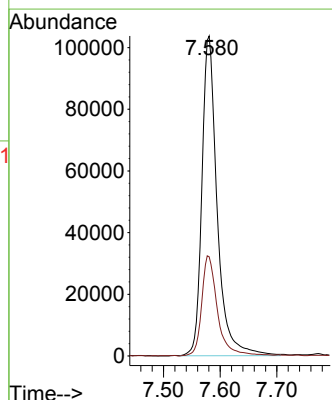
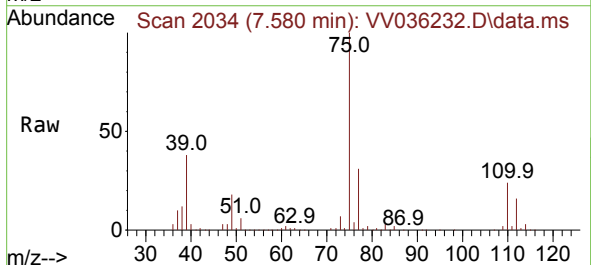
Instrument :
MSVOA_V
ClientSampleId :

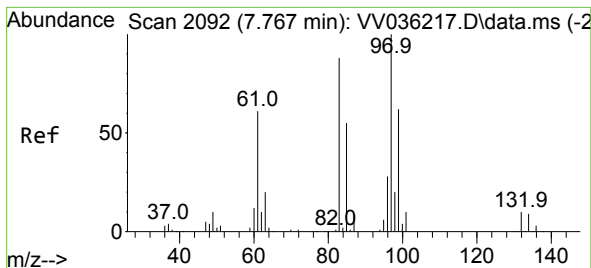
Tgt Ion: 91 Resp: 581381
Ion Ratio Lower Upper
91 100
92 57.8 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 29.045 ug/L
RT: 7.580 min Scan# 2034
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

Tgt Ion: 75 Resp: 193774
Ion Ratio Lower Upper
75 100
77 31.0 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 30.496 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 130303

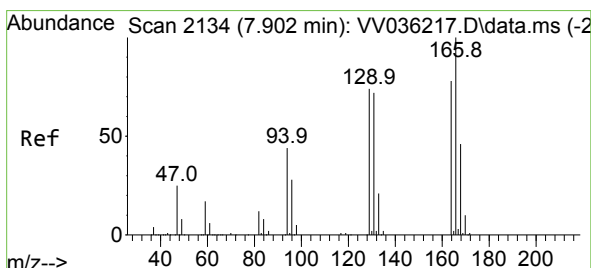
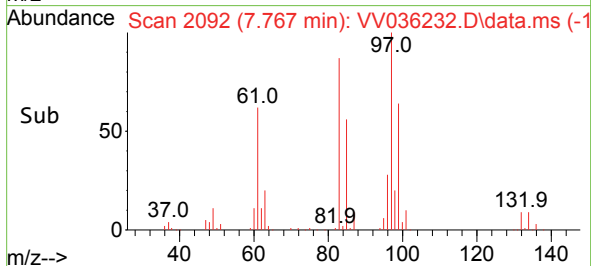
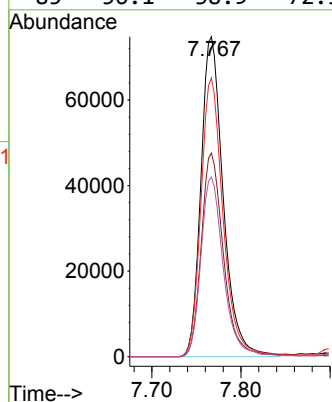
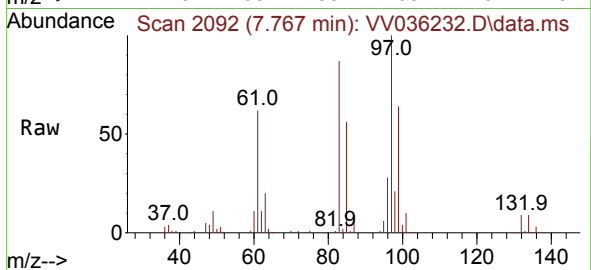
Ion Ratio Lower Upper

97 100

99 63.6 43.3 80.5

83 87.1 60.1 111.7

85 56.1 38.9 72.3



#46

Tetrachloroethene

Concen: 24.228 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

Tgt Ion:164 Resp: 106804

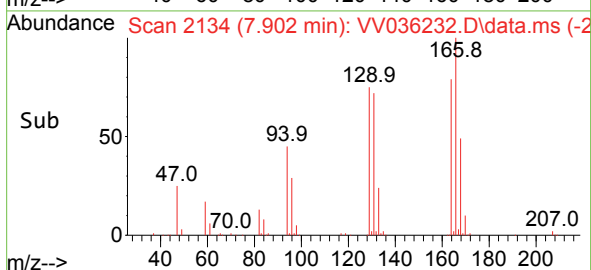
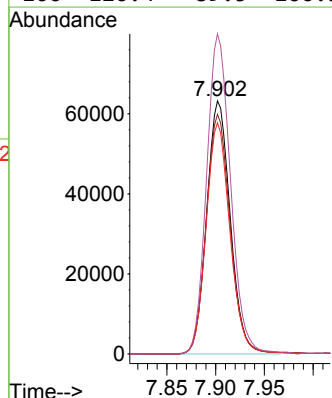
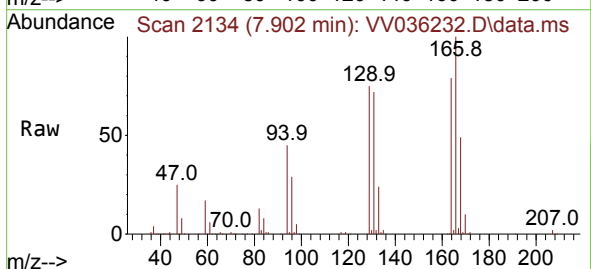
Ion Ratio Lower Upper

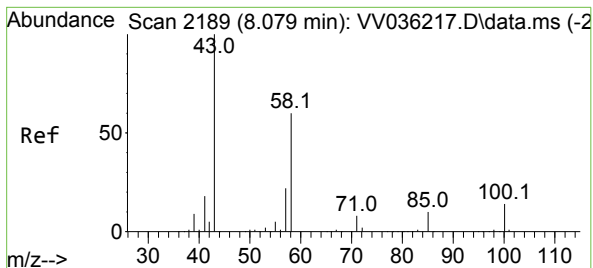
164 100

129 94.7 64.6 120.0

131 91.3 63.2 117.4

166 126.4 89.5 166.3





#48

2-Hexanone

Concen: 54.618 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. 0.000 min

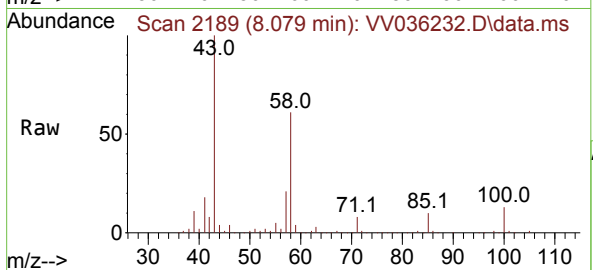
Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 119800

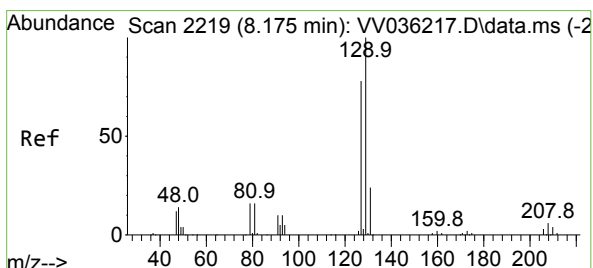
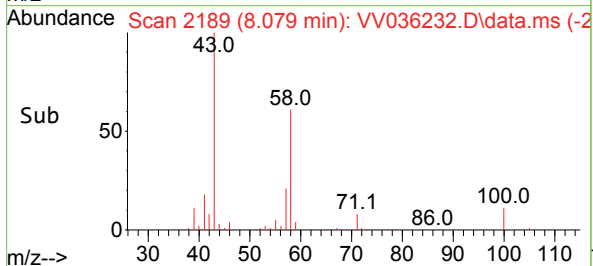
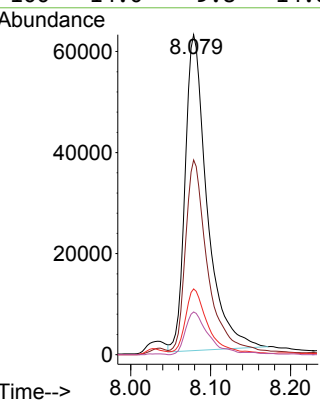
Ion Ratio Lower Upper

43 100

58 61.2 45.4 68.0

57 19.5 15.8 23.8

100 14.0 9.8 14.8



#49

Dibromochloromethane

Concen: 30.900 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.003 min

Lab File: VV036232.D

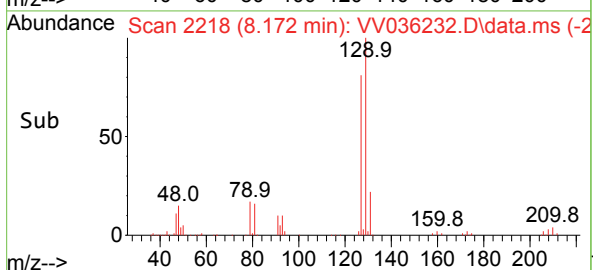
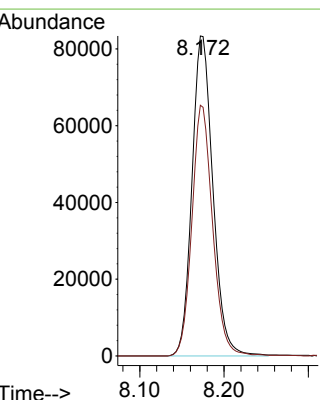
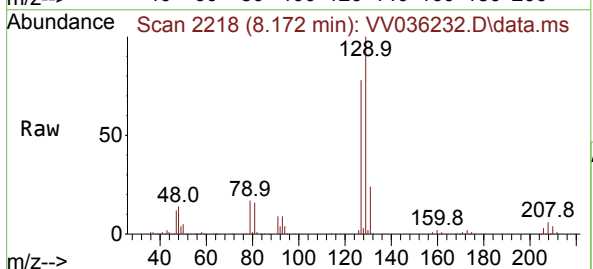
Acq: 22 Jun 2024 02:04

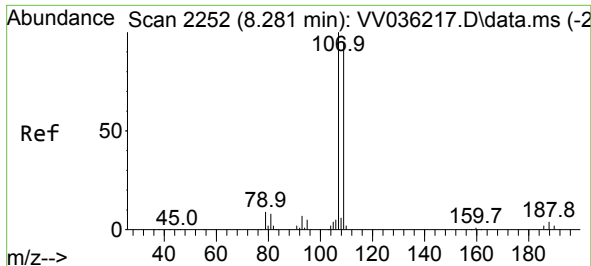
Tgt Ion: 129 Resp: 144501

Ion Ratio Lower Upper

129 100

127 78.3 53.9 100.1

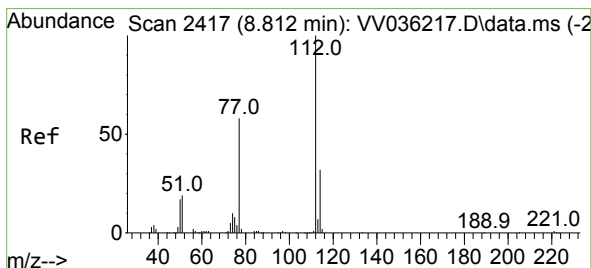
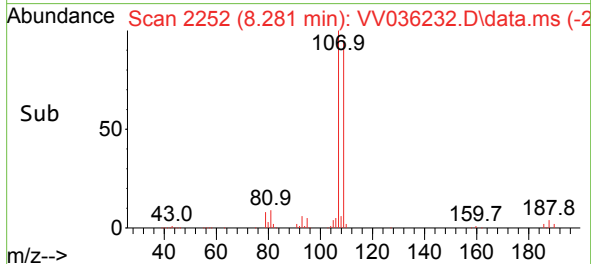
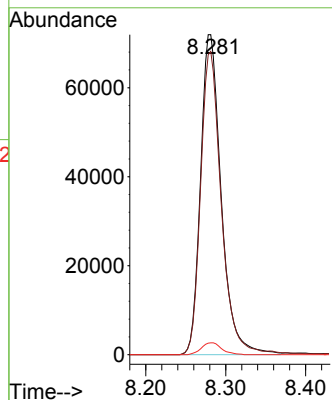
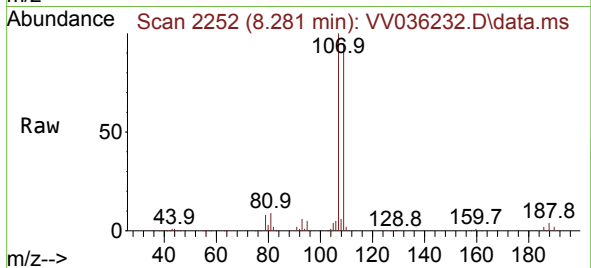




#50
1,2-Dibromoethane
Concen: 31.615 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

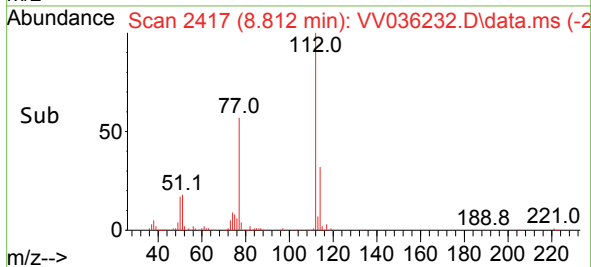
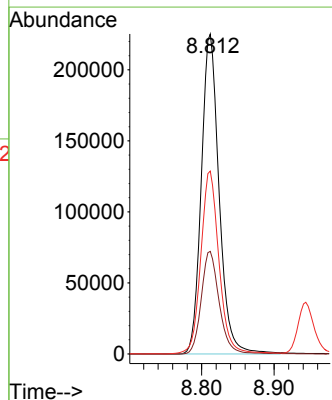
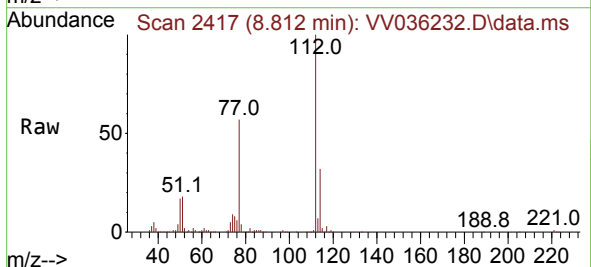
Instrument :
MSVOA_V
ClientSampleId :

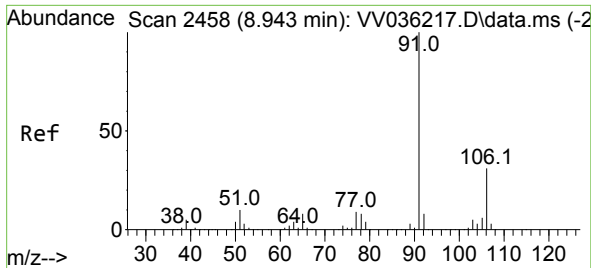
Tgt Ion:107 Resp: 129619
Ion Ratio Lower Upper
107 100
109 94.7 66.1 122.7
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 28.036 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

Tgt Ion:112 Resp: 383884
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.5
77 57.1 47.3 70.9

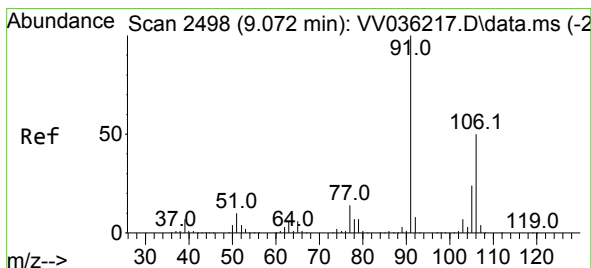
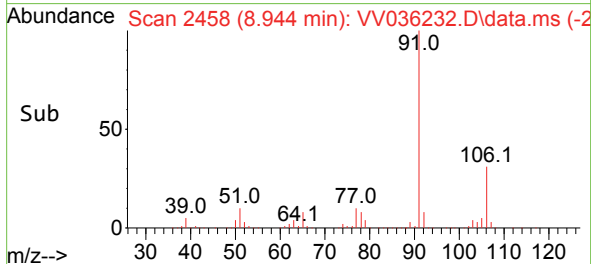
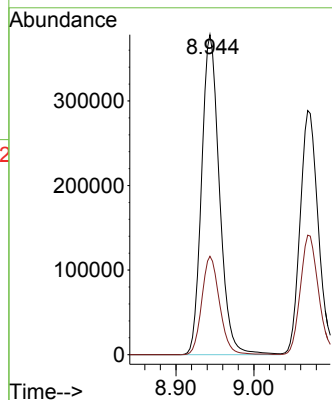
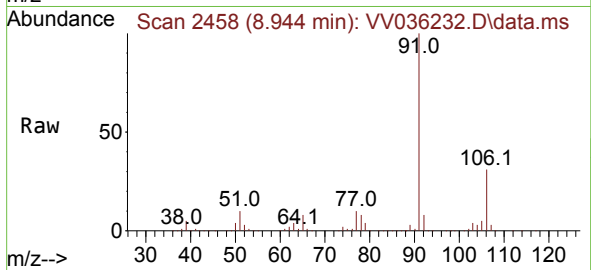




#52
Ethylbenzene
Concen: 27.923 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

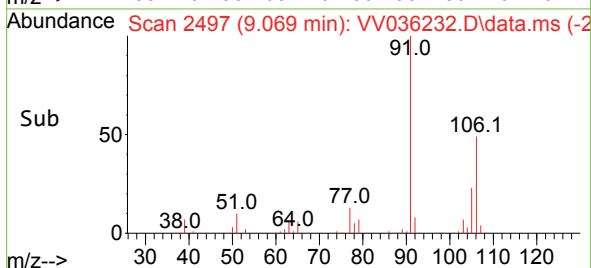
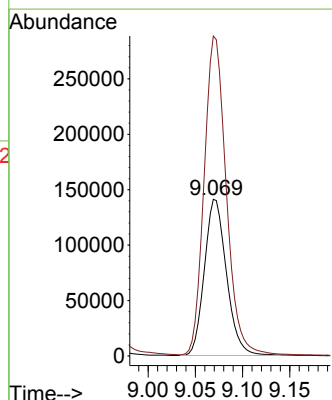
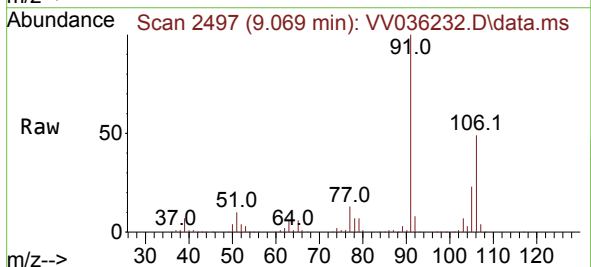
Instrument :
MSVOA_V
ClientSampleId :

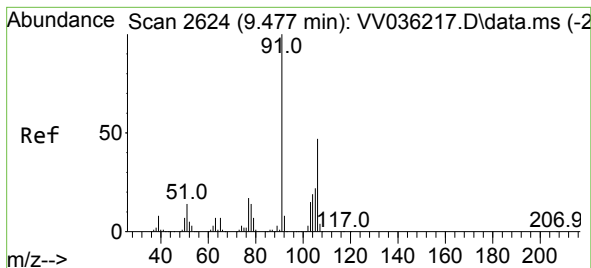
Tgt Ion: 91 Resp: 600357
Ion Ratio Lower Upper
91 100
106 30.8 21.6 40.0



#53
m,p-Xylene
Concen: 28.422 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.003 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

Tgt Ion: 106 Resp: 229619
Ion Ratio Lower Upper
106 100
91 204.3 143.1 265.9





#54

o-Xylene

Concen: 29.148 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

Instrument :

MSVOA_V

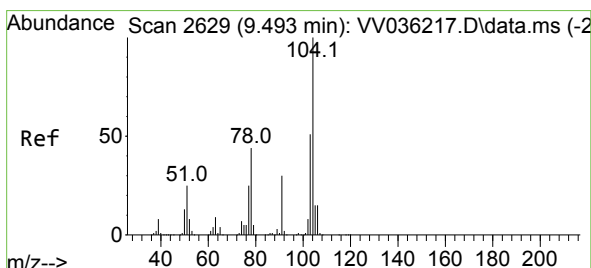
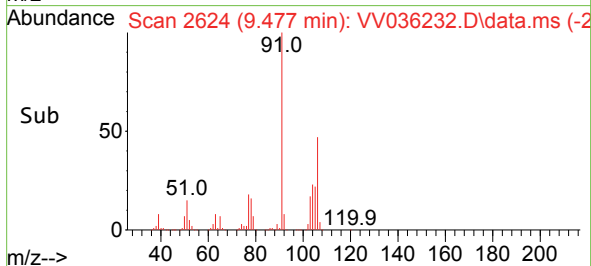
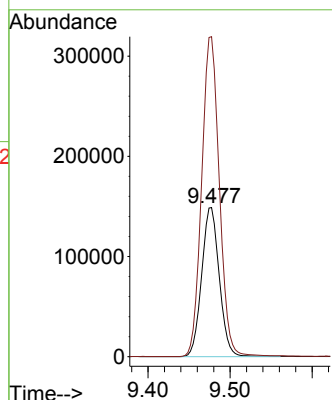
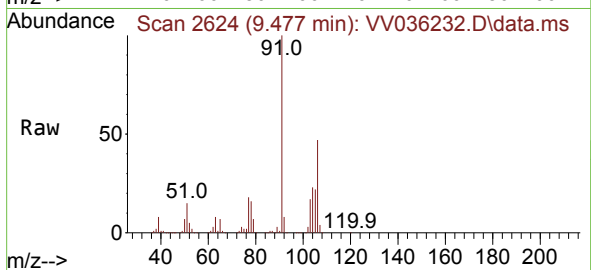
ClientSampleId :

Tgt Ion:106 Resp: 222066

Ion Ratio Lower Upper

106 100

91 214.6 154.5 286.9



#55

Styrene

Concen: 31.170 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.000 min

Lab File: VV036232.D

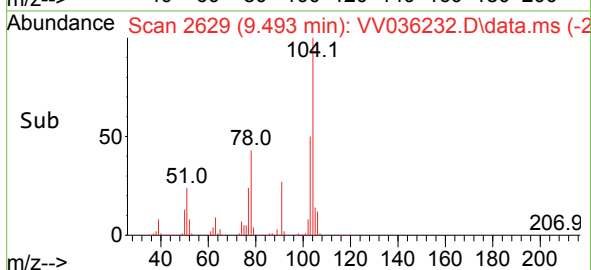
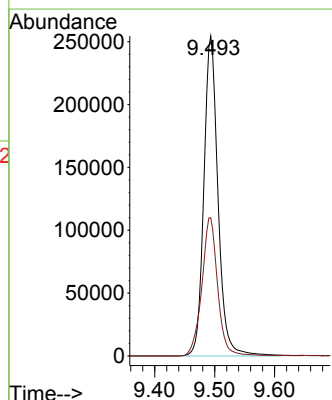
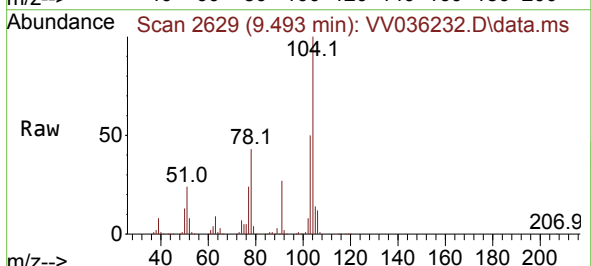
Acq: 22 Jun 2024 02:04

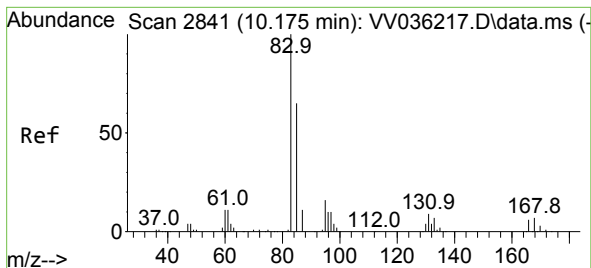
Tgt Ion:104 Resp: 418766

Ion Ratio Lower Upper

104 100

78 43.2 31.4 58.2

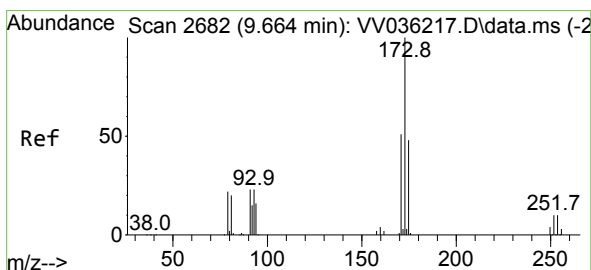
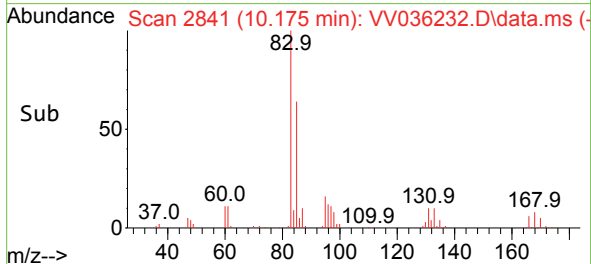
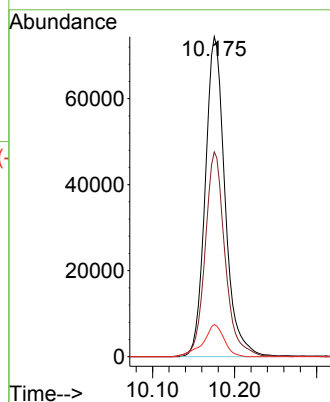
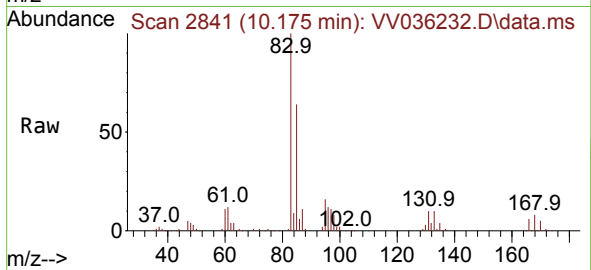




#57
1,1,2,2-Tetrachloroethane
Concen: 32.548 ug/L
RT: 10.175 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

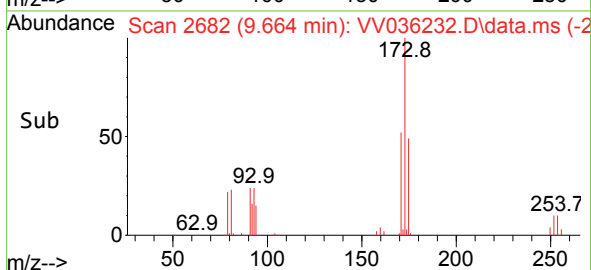
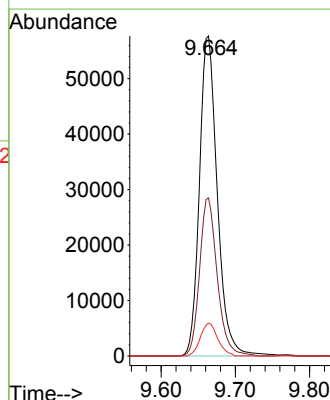
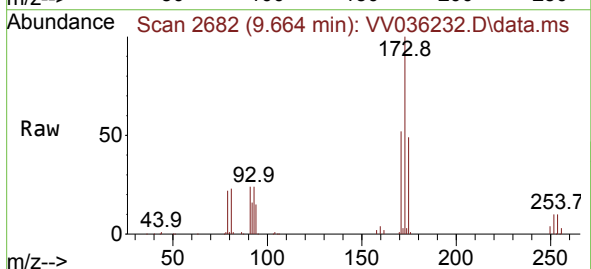
Instrument :
MSVOA_V
ClientSampleId :

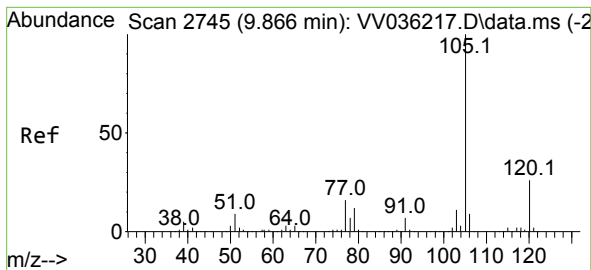
Tgt Ion: 83 Resp: 124530
Ion Ratio Lower Upper
83 100
85 64.0 45.1 83.7
131 10.1 7.6 11.4



#59
Bromoform
Concen: 31.110 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

Tgt Ion: 173 Resp: 96539
Ion Ratio Lower Upper
173 100
175 48.6 39.0 58.6
254 10.0 8.6 13.0

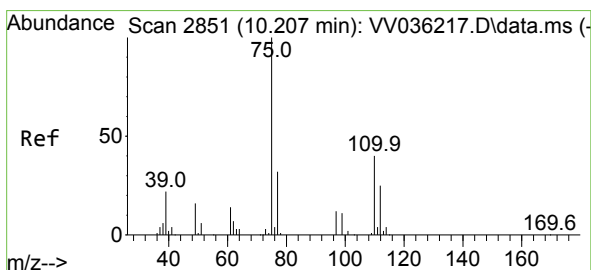
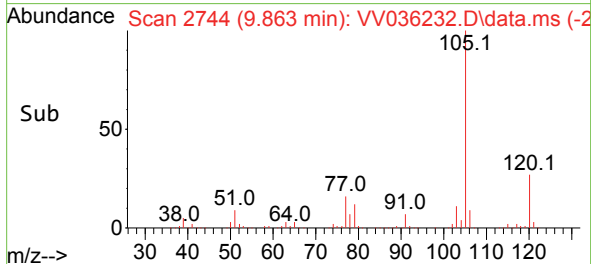
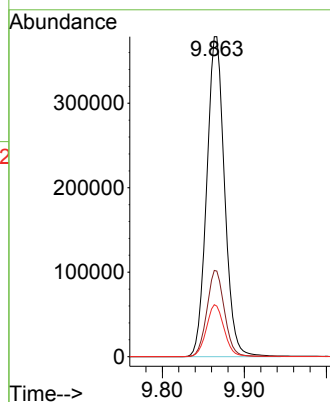
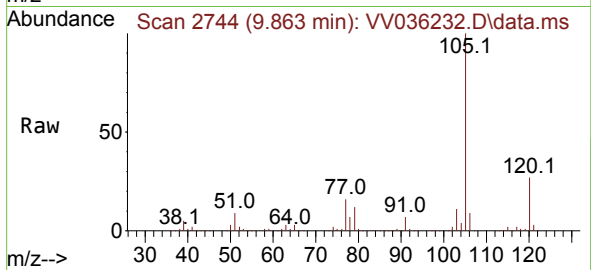




#60
Isopropylbenzene
Concen: 27.111 ug/L
RT: 9.863 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

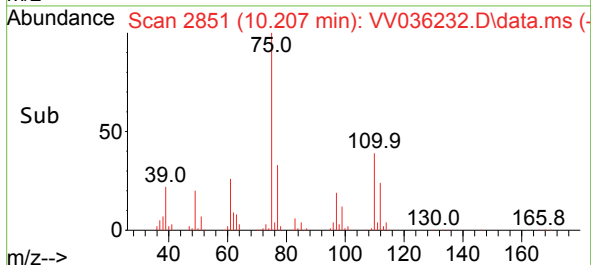
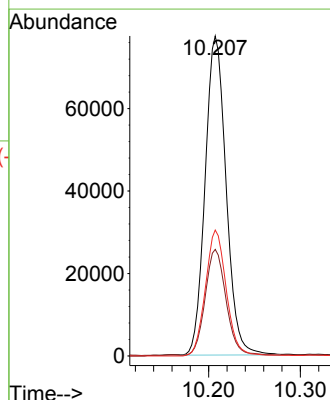
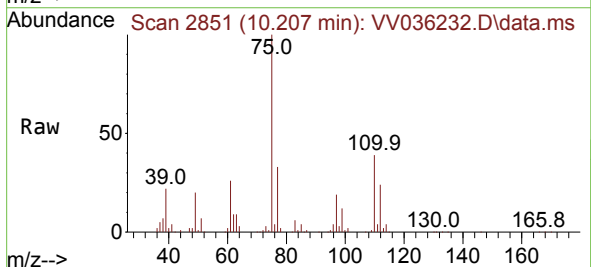
Instrument :
MSVOA_V
ClientSampleId :

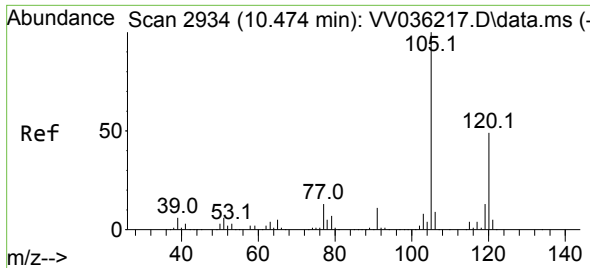
Tgt Ion:105 Resp: 572333
Ion Ratio Lower Upper
105 100
120 26.6 21.0 31.6
77 16.1 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 31.600 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

Tgt Ion: 75 Resp: 122978
Ion Ratio Lower Upper
75 100
77 32.8 26.0 39.0
110 39.3 32.2 48.4

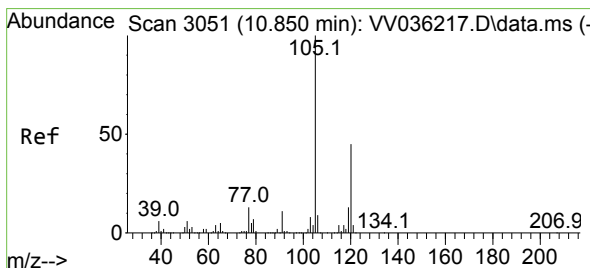
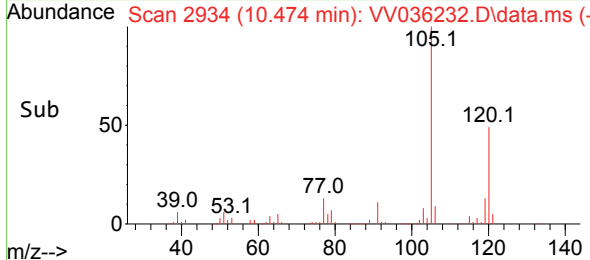
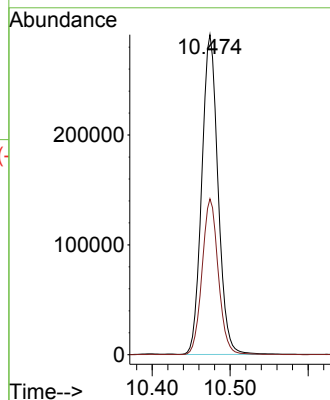
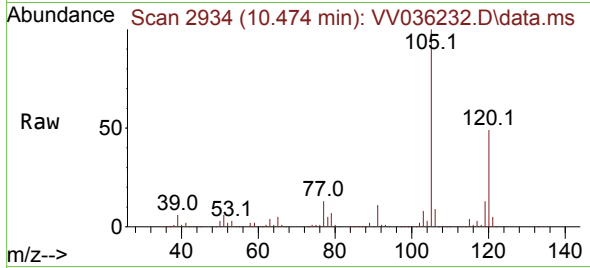




#62
 1,3,5-Trimethylbenzene
 Concen: 27.547 ug/L
 RT: 10.474 min Scan# 2934
 Delta R.T. 0.000 min
 Lab File: VV036232.D
 Acq: 22 Jun 2024 02:04

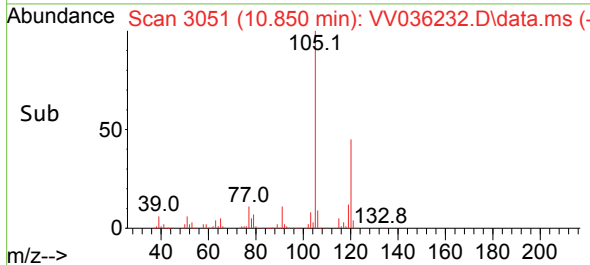
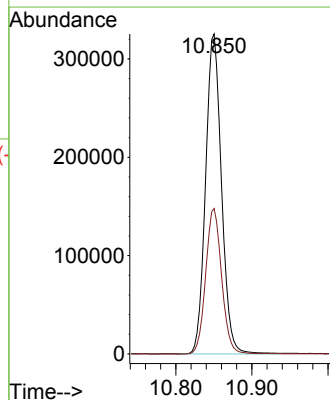
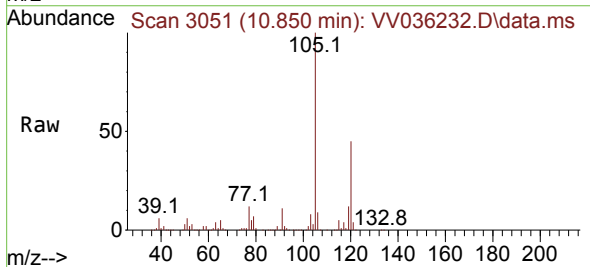
Instrument :
 MSVOA_V
 ClientSampleId :

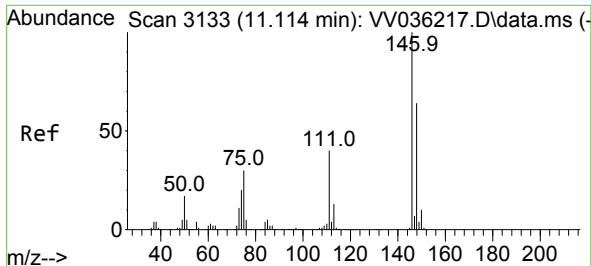
Tgt Ion:105 Resp: 421695
 Ion Ratio Lower Upper
 105 100
 120 48.4 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 28.736 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. 0.000 min
 Lab File: VV036232.D
 Acq: 22 Jun 2024 02:04

Tgt Ion:105 Resp: 473960
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.2 54.4

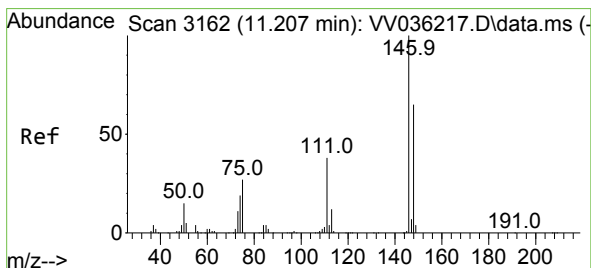
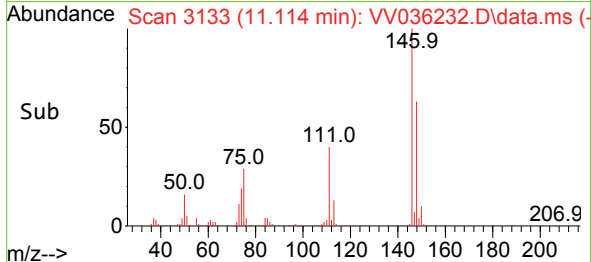
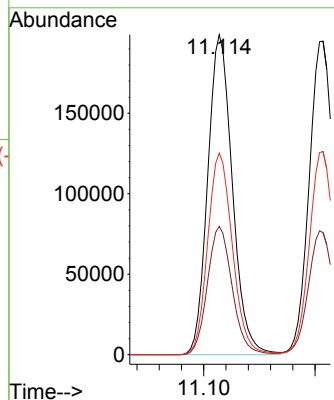
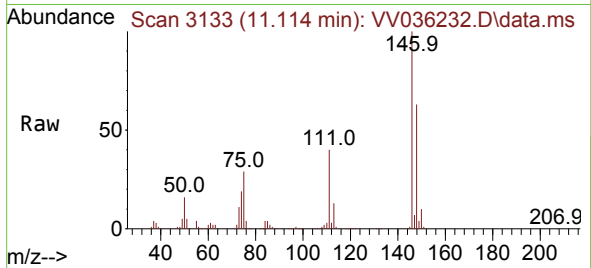




#64
1,3-Dichlorobenzene
Concen: 27.570 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

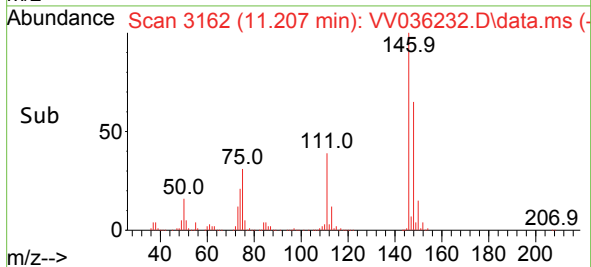
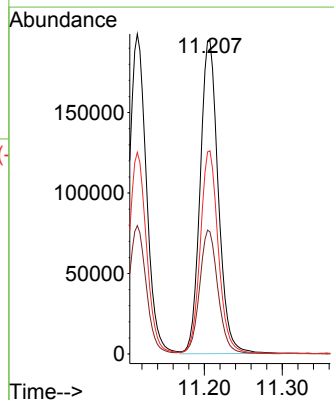
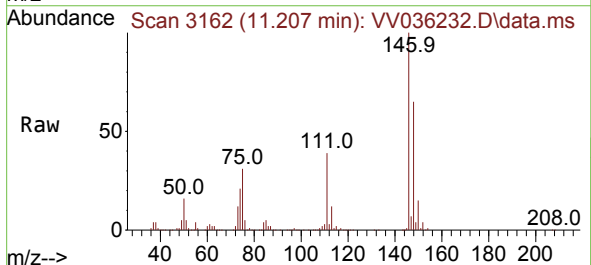
Instrument :
MSVOA_V
ClientSampleId :

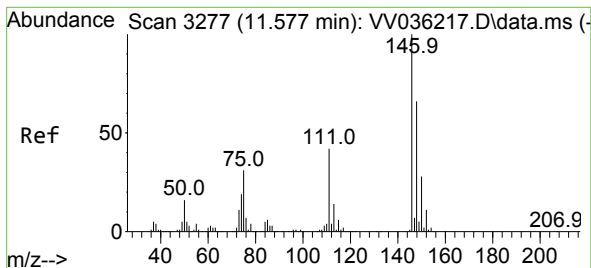
Tgt Ion:146 Resp: 305655
Ion Ratio Lower Upper
146 100
111 40.1 28.1 52.1
148 63.0 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 27.499 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV036232.D
Acq: 22 Jun 2024 02:04

Tgt Ion:146 Resp: 314678
Ion Ratio Lower Upper
146 100
111 38.9 26.9 50.1
148 64.8 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 28.360 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

Instrument :

MSVOA_V

ClientSampleId :

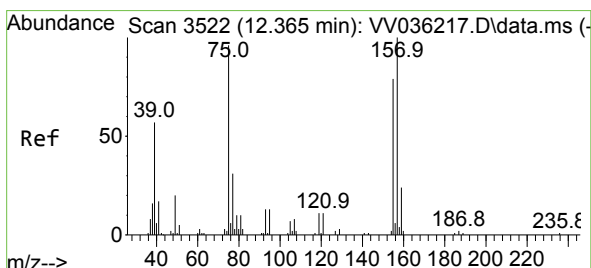
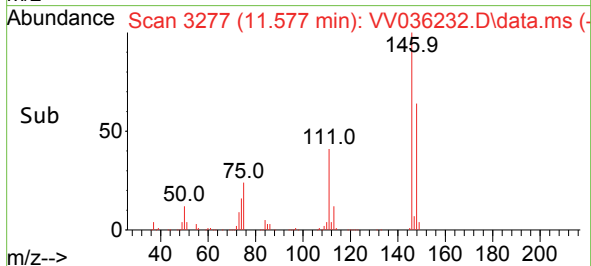
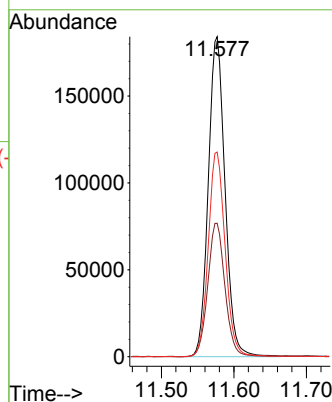
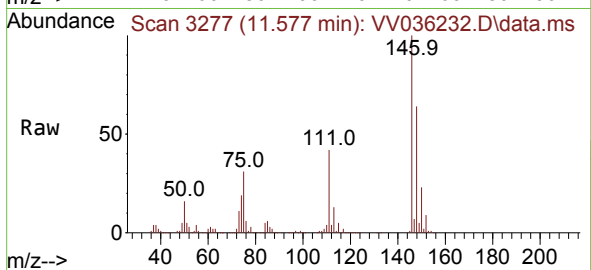
Tgt Ion:146 Resp: 295867

Ion Ratio Lower Upper

146 100

111 41.7 33.5 50.3

148 64.0 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 31.210 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.003 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

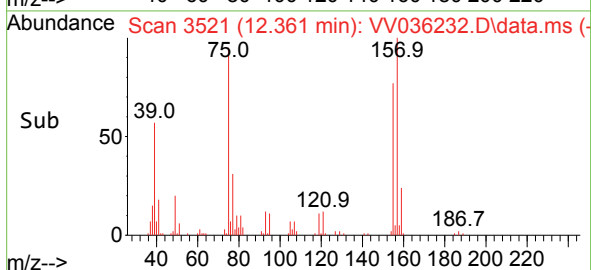
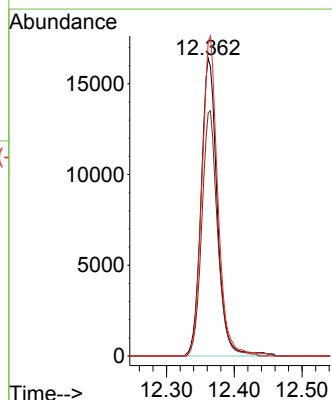
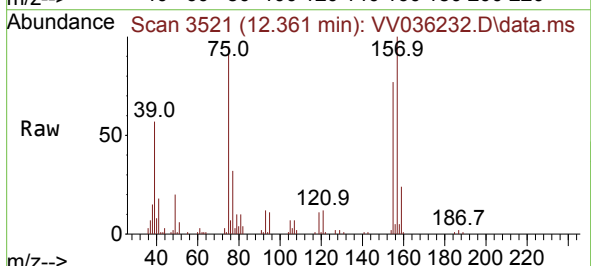
Tgt Ion: 75 Resp: 27160

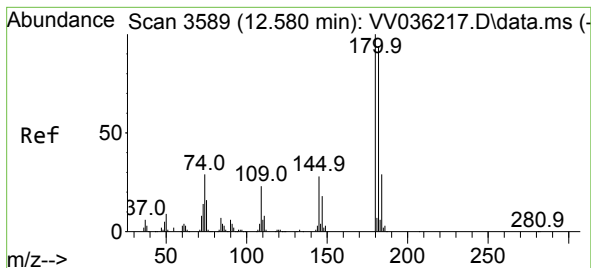
Ion Ratio Lower Upper

75 100

155 81.7 63.3 94.9

157 105.6 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 24.920 ug/L

RT: 12.577 min Scan# 3

Delta R.T. -0.003 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 206656

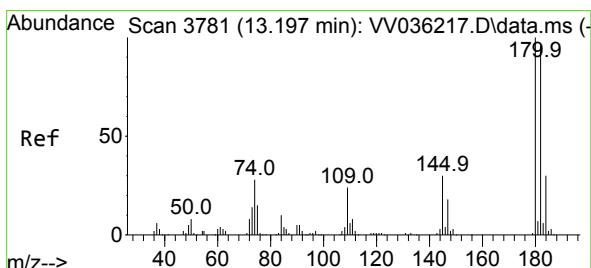
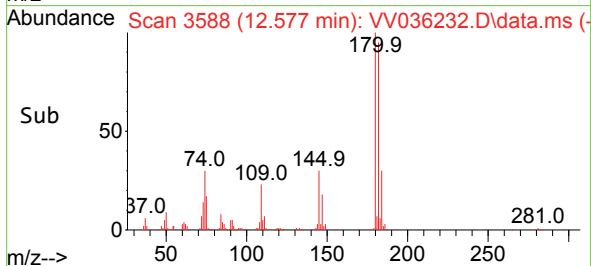
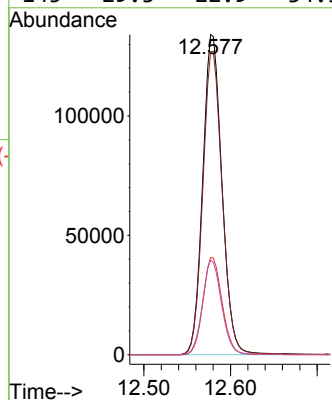
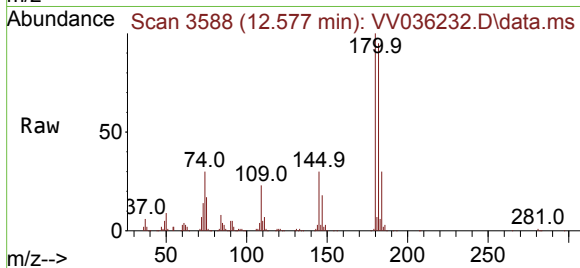
Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.4

184 30.1 24.2 36.2

145 29.3 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 24.890 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.003 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

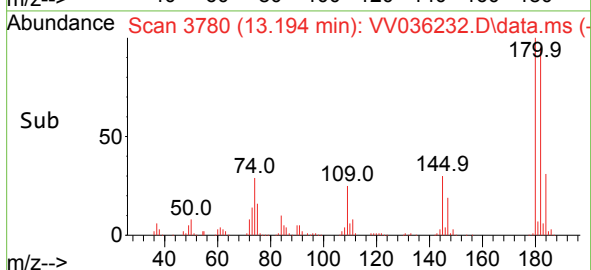
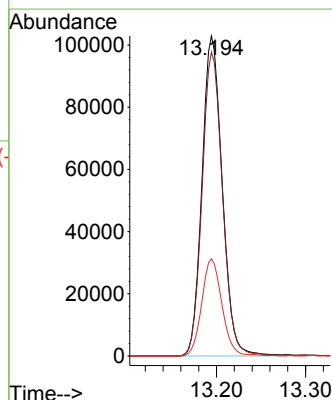
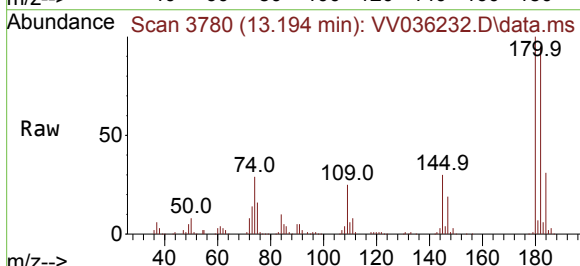
Tgt Ion:180 Resp: 162520

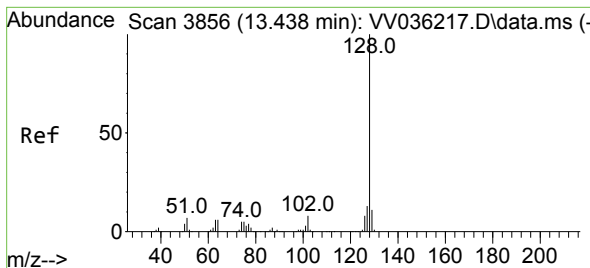
Ion Ratio Lower Upper

180 100

182 95.5 76.1 114.1

145 30.0 23.5 35.3





#71

Naphthalene

Concen: 35.518 ug/L

RT: 13.435 min Scan# 3856

Delta R.T. -0.003 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

Instrument :

MSVOA_V

ClientSampleId :

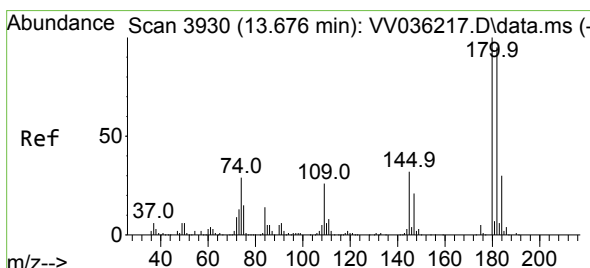
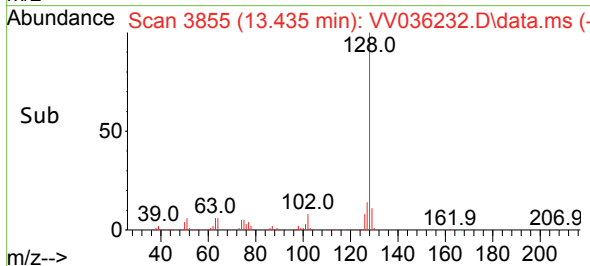
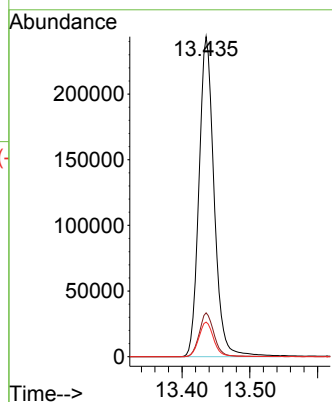
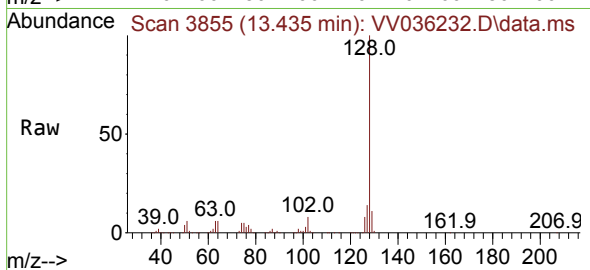
Tgt Ion:128 Resp: 378482

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 10.6 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 28.101 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036232.D

Acq: 22 Jun 2024 02:04

Tgt Ion:180 Resp: 167440

Ion Ratio Lower Upper

180 100

182 95.3 75.1 112.7

145 31.6 25.2 37.8

