

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062124\
 Data File : VW036231.D
 Acq On : 22 Jun 2024 01:41
 Operator : SY/MD
 Sample : P2987-18 MSD
 Misc : 3.99g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 22 03:03:59 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	5.529	114	443034	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	446815	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	230659	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	123297	15.137	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.560%
7) Chloroethane-d5	1.526	69	105640	16.266	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.080%
11) 1,1-Dichloroethene-d2	2.050	65	51094	14.091	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.360%
21) 2-Butanone-d5	3.838	46	11414	6.108	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	12.220%#
24) Chloroform-d	4.243	84	226103	16.053	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	64.200%
26) 1,2-Dichloroethane-d4	4.941	65	115743	15.673	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	62.680%#
32) Benzene-d6	4.957	84	444780	16.746	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	67.000%
36) 1,2-Dichloropropane-d6	5.986	67	132537	15.846	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	63.400%#
41) Toluene-d8	7.240	98	396661	16.926	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	67.720%
43) trans-1,3-Dichloroprop...	7.555	79	47983	13.992	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	55.960%
47) 2-Hexanone-d5	8.034	63	25497	22.500	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	45.000%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	95717	15.315	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	61.240%
66) 1,2-Dichlorobenzene-d4	11.558	152	133130	15.739	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	62.960%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	81193	10.164	ug/L	99
3) Chloromethane	1.208	50	99958	10.903	ug/L	99
5) Vinyl chloride	1.275	62	112873	11.695	ug/L	100
6) Bromomethane	1.481	94	74086	12.374	ug/L	100
8) Chloroethane	1.542	64	76474	12.748	ug/L	100
9) Trichlorofluoromethane	1.706	101	150250	12.536	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	91603	12.042	ug/L	97
12) 1,1-Dichloroethene	2.060	96	86383	12.176	ug/L	86
13) Acetone	2.156	43	27737	9.528	ug/L #	53
14) Carbon disulfide	2.233	76	266455	10.815	ug/L	100
15) Methyl Acetate	2.388	43	32200	8.899	ug/L	98
16) Methylene chloride	2.442	84	129789	12.947	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	89922	11.932	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	206736	12.219	ug/L	99
19) 1,1-Dichloroethane	3.105	63	182132	12.690	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	119101	15.728	ug/L	98
22) 2-Butanone	3.921	43	12266	4.966	ug/L	97
23) Bromochloromethane	4.146	128	48591	12.792	ug/L	97
25) Chloroform	4.272	83	193910	13.135	ug/L	98

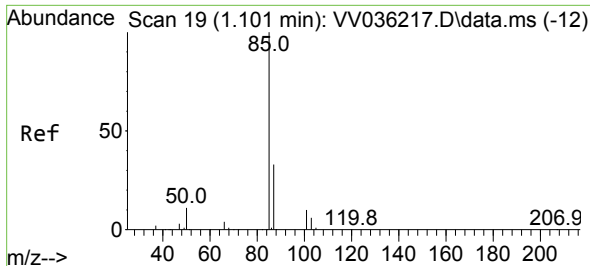
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062124\
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 QLast Update : Sat Jun 22 02:57:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	119605	12.977	ug/L	99
29) Cyclohexane	4.577	56	110908	10.425	ug/L	97
30) 1,1,1-Trichloroethane	4.507	97	151590	12.410	ug/L	98
31) Carbon tetrachloride	4.728	117	126999	11.851	ug/L	100
33) Benzene	5.005	78	390698	13.370	ug/L	100
34) Trichloroethene	5.828	95	107286	11.979	ug/L	99
35) Methylcyclohexane	6.047	83	136092	10.988	ug/L	98
37) 1,2-Dichloropropane	6.092	63	102815	13.399	ug/L	99
38) Bromodichloromethane	6.429	83	129871	12.787	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	127039	11.069	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	78750	18.890	ug/L	97
42) Toluene	7.314	91	416592	13.951	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	113689	11.468	ug/L	95
45) 1,1,2-Trichloroethane	7.767	97	78388	12.346	ug/L	99
46) Tetrachloroethene	7.902	164	82937	12.661	ug/L	99
48) 2-Hexanone	8.082	43	50272	15.425	ug/L	97
49) Dibromochloromethane	8.175	129	86077	12.387	ug/L	100
50) 1,2-Dibromoethane	8.281	107	73843	12.121	ug/L	99
51) Chlorobenzene	8.812	112	272043	13.371	ug/L	98
52) Ethylbenzene	8.944	91	467231	14.625	ug/L	100
53) m,p-Xylene	9.072	106	168974	14.076	ug/L	100
54) o-Xylene	9.477	106	164829	14.560	ug/L	97
55) Styrene	9.494	104	281545	14.103	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	74388	13.085	ug/L	99
59) Bromoform	9.664	173	52145	11.988	ug/L	99
60) Isopropylbenzene	9.866	105	401709	13.575	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	61511	11.276	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	281715	13.129	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	333383	14.420	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	202129	13.007	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	211678	13.196	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	187864	12.846	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	12851	10.535	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	129035	11.100	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	100106	10.937	ug/L	99
71) Naphthalene	13.435	128	407308	27.268	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	104275	12.484	ug/L	99

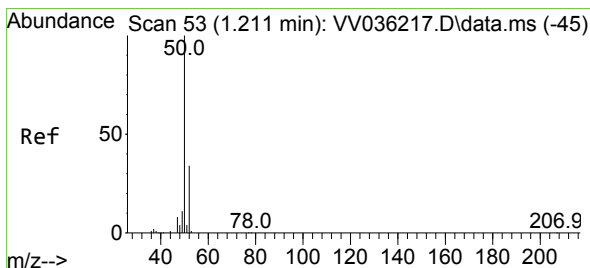
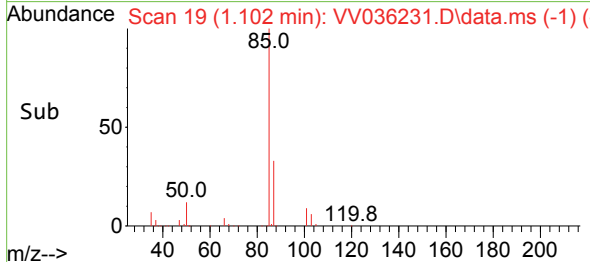
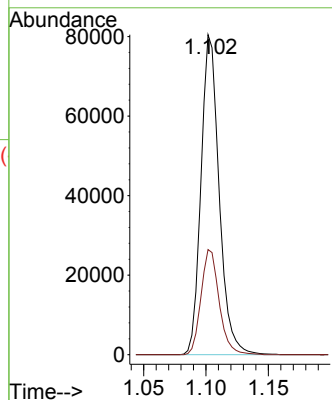
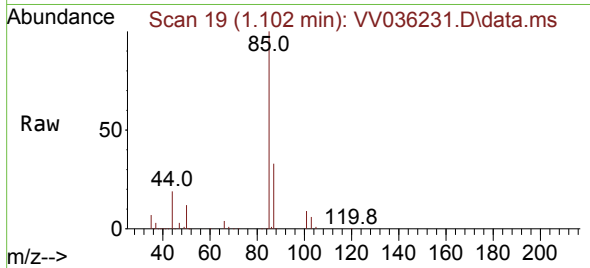
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#2
Dichlorodifluoromethane
Concen: 10.164 ug/L
RT: 1.102 min Scan# 19
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

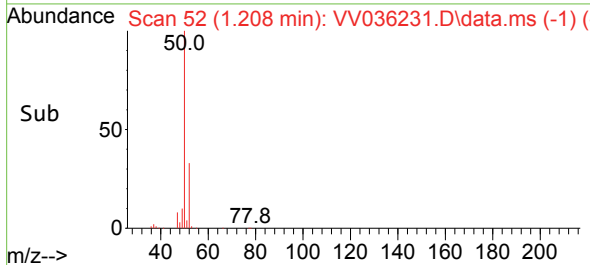
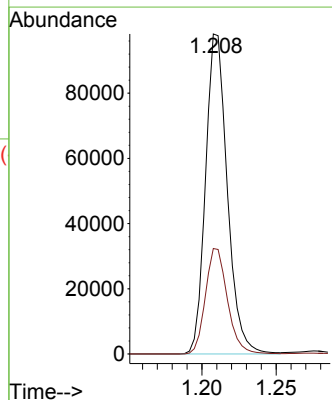
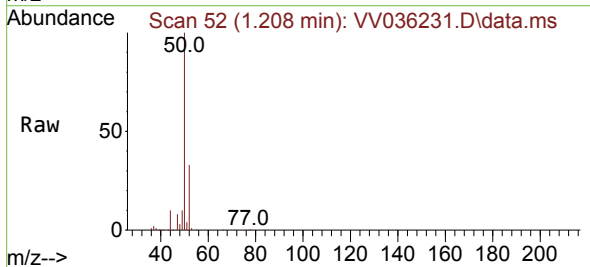
Instrument :
MSVOA_V
ClientSampleId :

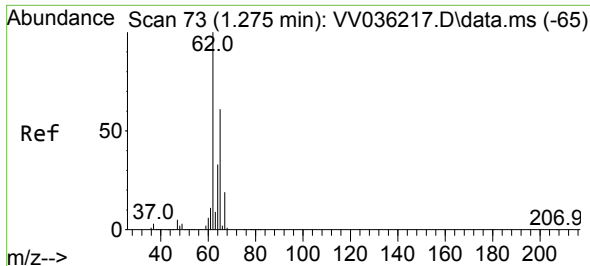
Tgt Ion: 85 Resp: 81193
Ion Ratio Lower Upper
85 100
87 32.9 25.9 38.9



#3
Chloromethane
Concen: 10.903 ug/L
RT: 1.208 min Scan# 52
Delta R.T. -0.003 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

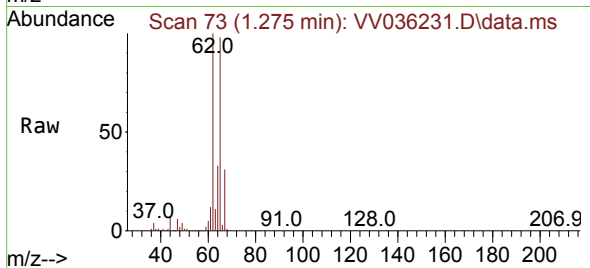
Tgt Ion: 50 Resp: 99958
Ion Ratio Lower Upper
50 100
52 33.0 22.8 42.4



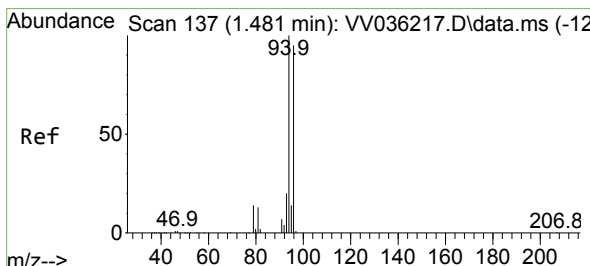
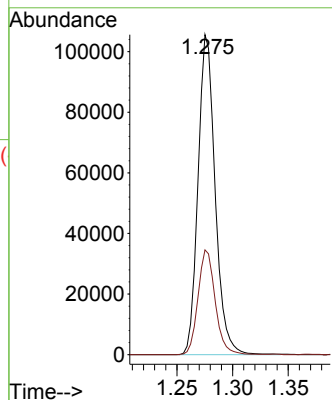
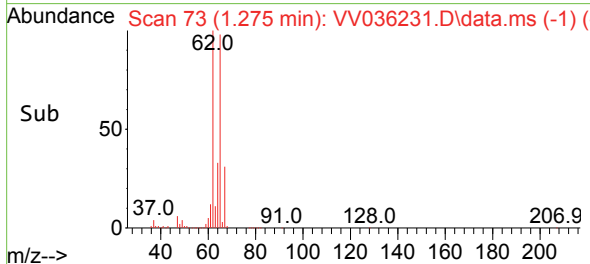


#5
 Vinyl chloride
 Concen: 11.695 ug/L
 RT: 1.275 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV036231.D
 Acq: 22 Jun 2024 01:41

Instrument :
 MSVOA_V
 ClientSampleId :

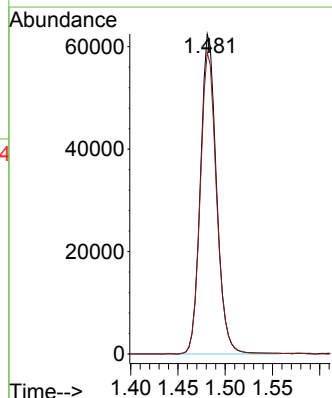
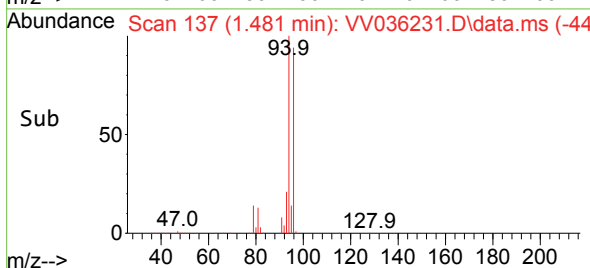
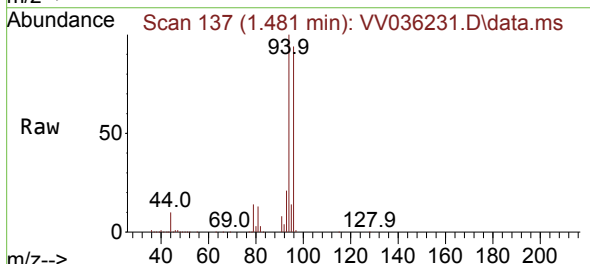


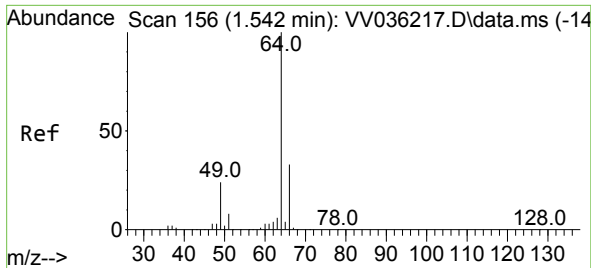
Tgt Ion: 62 Resp: 112873
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.9 42.5



#6
 Bromomethane
 Concen: 12.374 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. 0.000 min
 Lab File: VV036231.D
 Acq: 22 Jun 2024 01:41

Tgt Ion: 94 Resp: 74086
 Ion Ratio Lower Upper
 94 100
 96 94.3 65.7 122.1

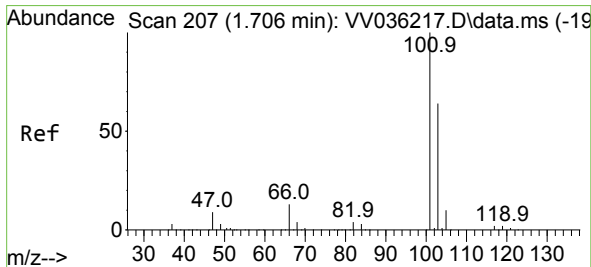
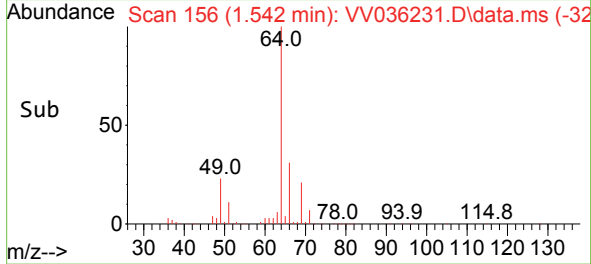
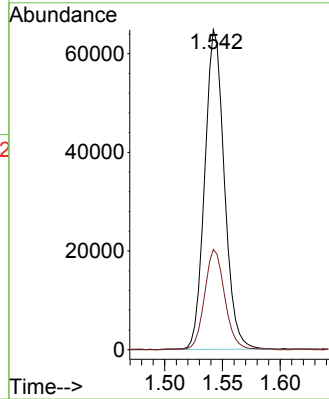
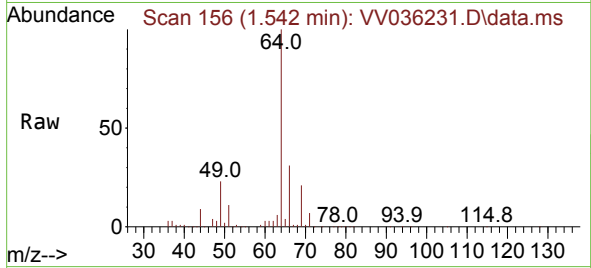




#8
Chloroethane
Concen: 12.748 ug/L
RT: 1.542 min Scan# 156
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

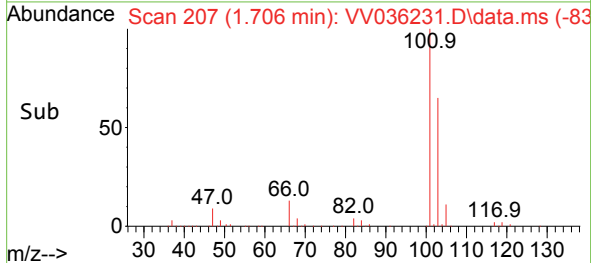
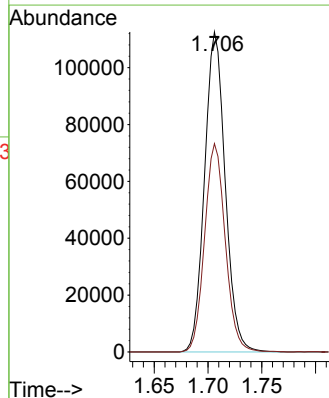
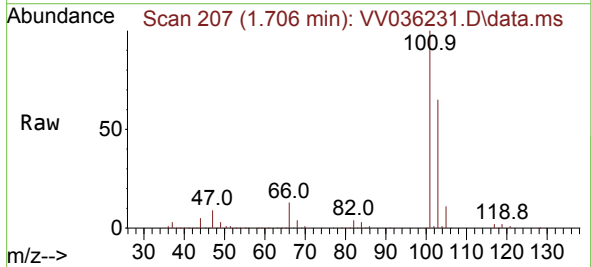
Instrument :
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ClientSampleId :

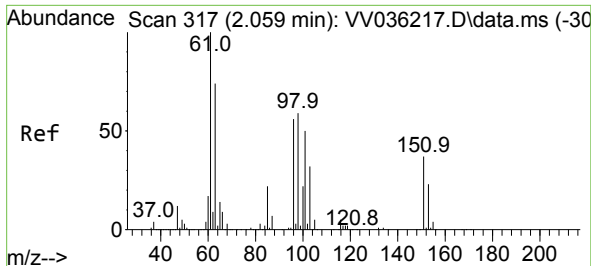
Tgt Ion: 64 Resp: 76474
Ion Ratio Lower Upper
64 100
66 31.3 22.0 41.0



#9
Trichlorofluoromethane
Concen: 12.536 ug/L
RT: 1.706 min Scan# 207
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

Tgt Ion:101 Resp: 150250
Ion Ratio Lower Upper
101 100
103 65.1 51.8 77.8

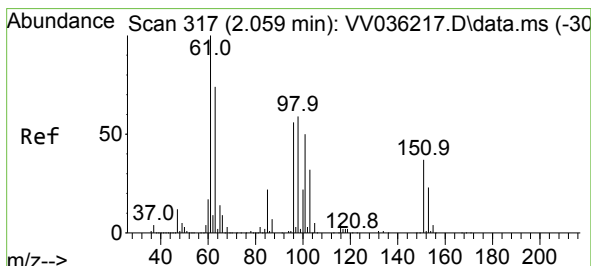
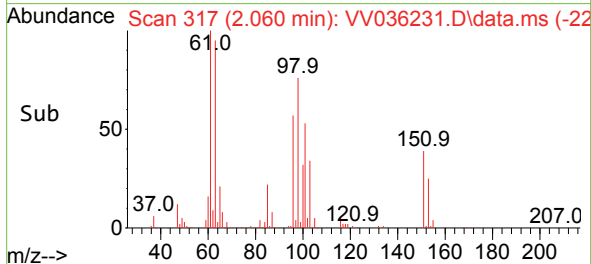
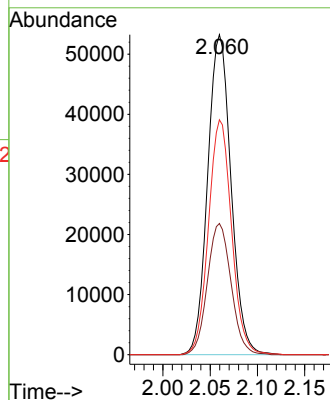
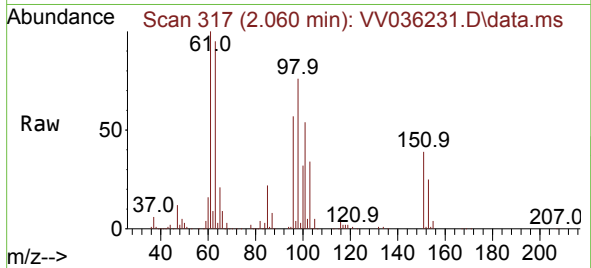




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 12.042 ug/L
 RT: 2.060 min Scan# 317
 Delta R.T. 0.000 min
 Lab File: VV036231.D
 Acq: 22 Jun 2024 01:41

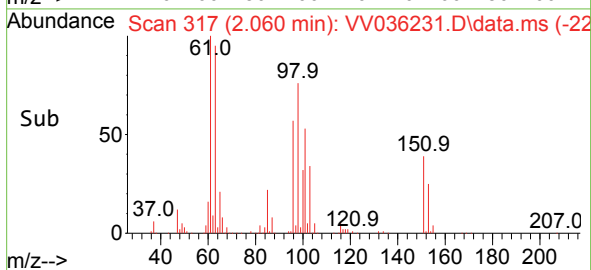
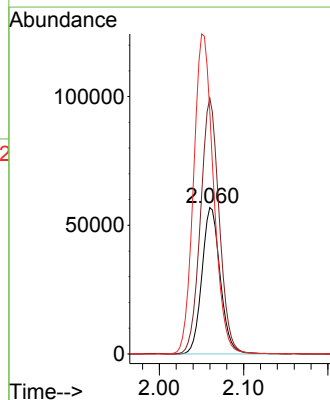
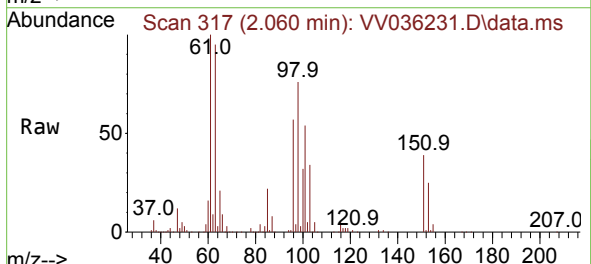
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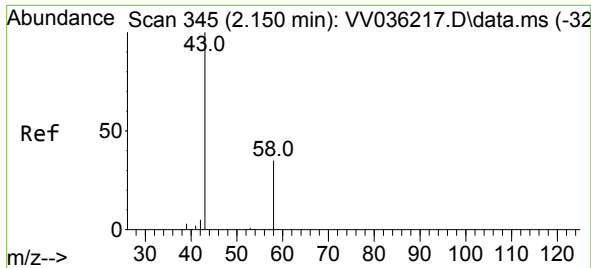
Tgt Ion:101 Resp: 91603
 Ion Ratio Lower Upper
 101 100
 85 41.4 34.5 51.7
 151 72.5 56.3 84.5



#12
 1,1-Dichloroethene
 Concen: 12.176 ug/L
 RT: 2.060 min Scan# 317
 Delta R.T. 0.000 min
 Lab File: VV036231.D
 Acq: 22 Jun 2024 01:41

Tgt Ion: 96 Resp: 86383
 Ion Ratio Lower Upper
 96 100
 61 174.7 127.3 236.3
 63 165.7 93.7 173.9





#13

Acetone

Concen: 9.528 ug/L

RT: 2.156 min Scan# 345

Delta R.T. 0.007 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

Instrument :

MSVOA_V

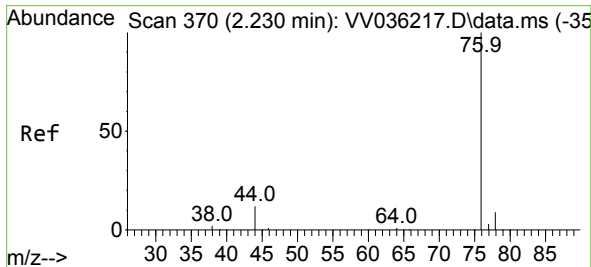
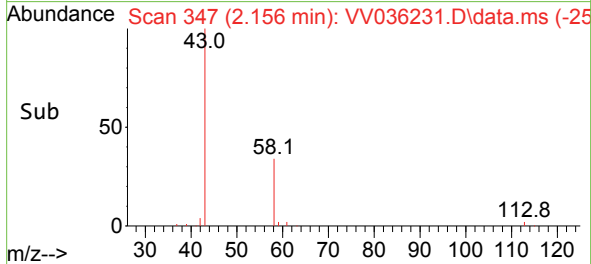
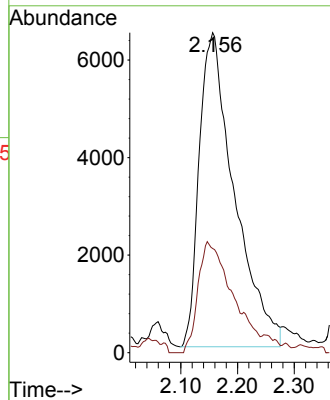
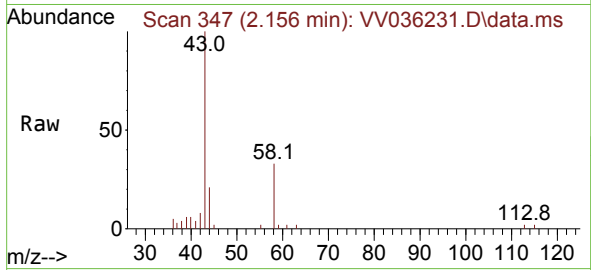
ClientSampleId :

Tgt Ion: 43 Resp: 27737

Ion Ratio Lower Upper

43 100

58 30.5 0.0 24.2#



#14

Carbon disulfide

Concen: 10.815 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.003 min

Lab File: VV036231.D

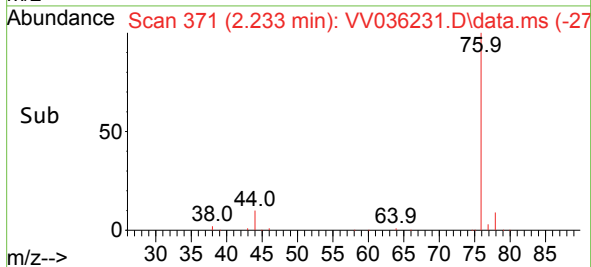
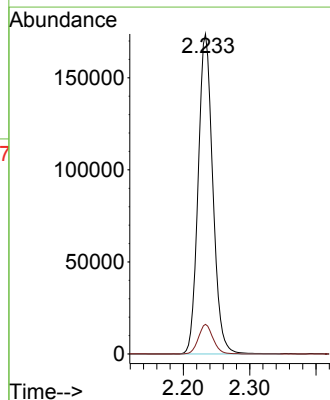
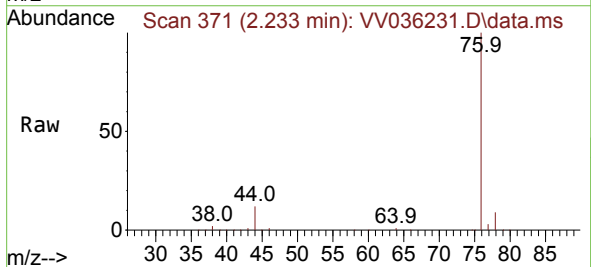
Acq: 22 Jun 2024 01:41

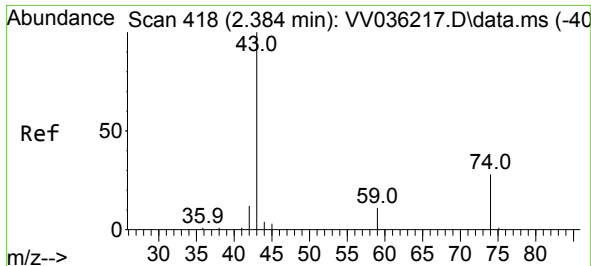
Tgt Ion: 76 Resp: 266455

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 8.899 ug/L

RT: 2.388 min Scan# 418

Delta R.T. 0.003 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

Instrument :

MSVOA_V

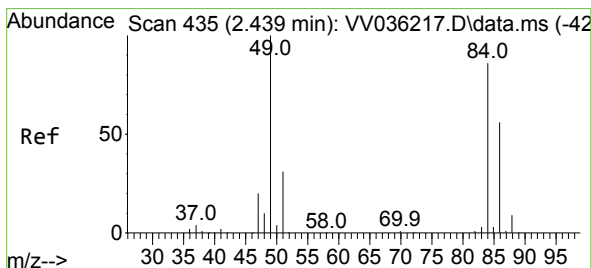
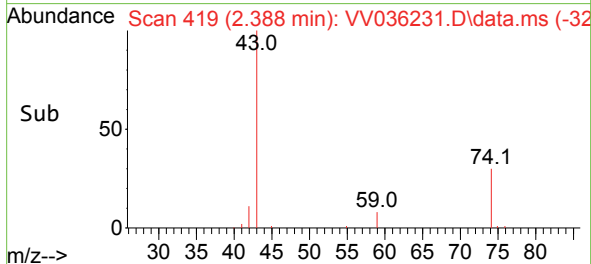
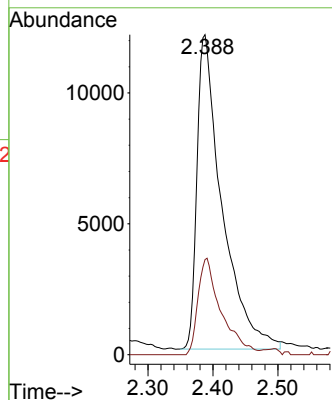
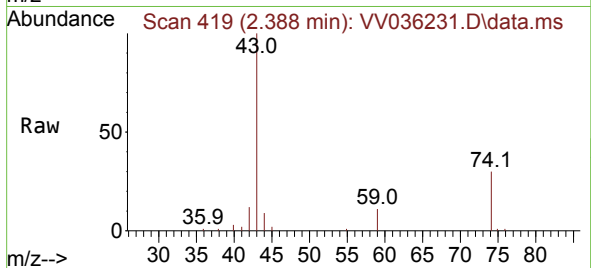
ClientSampleId :

Tgt Ion: 43 Resp: 32200

Ion Ratio Lower Upper

43 100

74 27.6 21.4 32.2



#16

Methylene chloride

Concen: 12.947 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.003 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

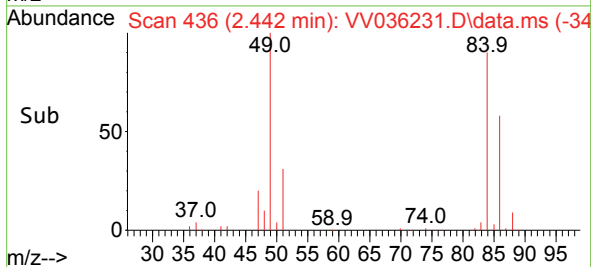
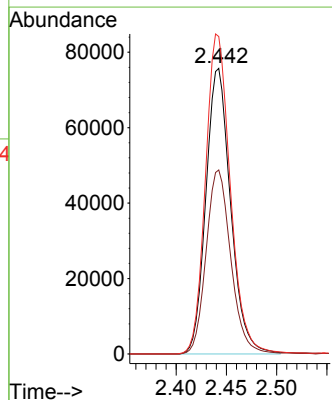
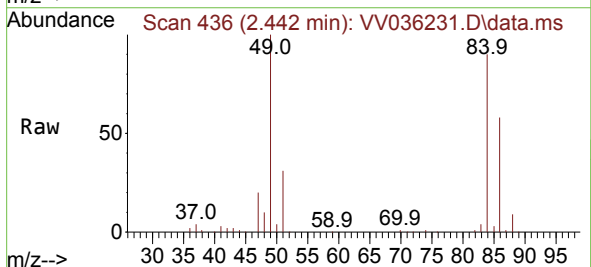
Tgt Ion: 84 Resp: 129789

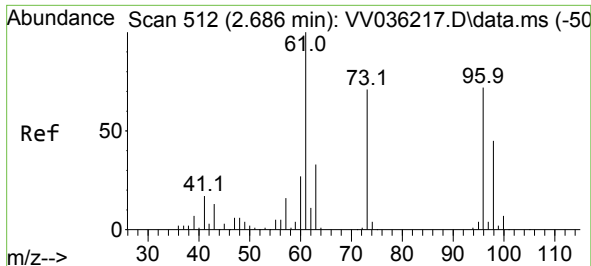
Ion Ratio Lower Upper

84 100

86 64.4 44.6 82.8

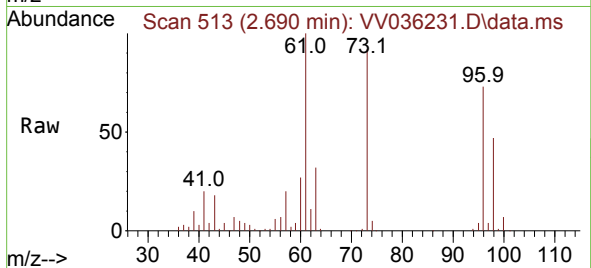
49 111.1 81.1 150.5



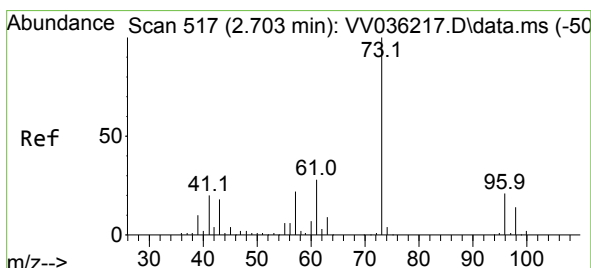
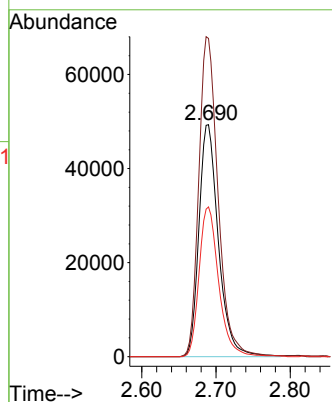
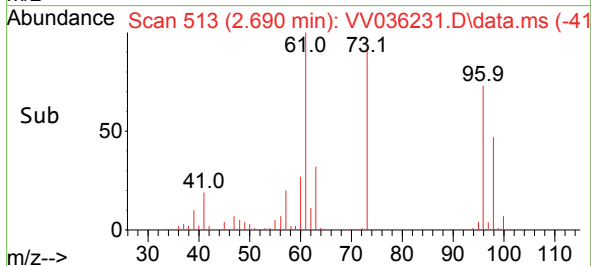


#17
trans-1,2-Dichloroethene
Concen: 11.932 ug/L
RT: 2.690 min Scan# 512
Delta R.T. 0.003 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

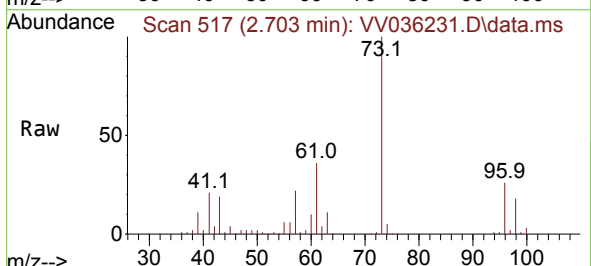
Instrument :
MSVOA_V
ClientSampleId :



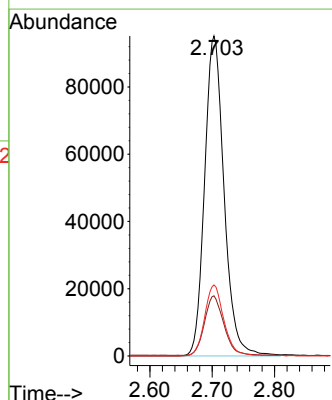
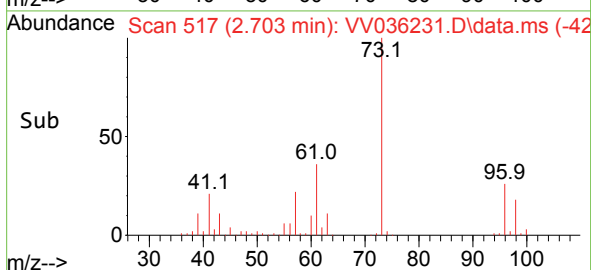
Tgt Ion: 96 Resp: 89922
Ion Ratio Lower Upper
96 100
61 137.2 99.4 184.6
98 64.6 44.9 83.3

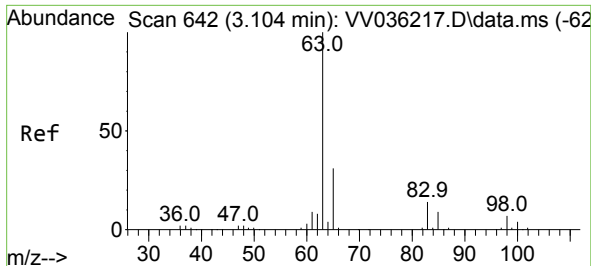


#18
Methyl tert-butyl Ether
Concen: 12.219 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41



Tgt Ion: 73 Resp: 206736
Ion Ratio Lower Upper
73 100
43 18.3 14.3 21.5
57 21.8 17.8 26.6





#19

1,1-Dichloroethane

Concen: 12.690 ug/L

RT: 3.105 min Scan# 642

Delta R.T. 0.000 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

Instrument :

MSVOA_V

ClientSampleId :

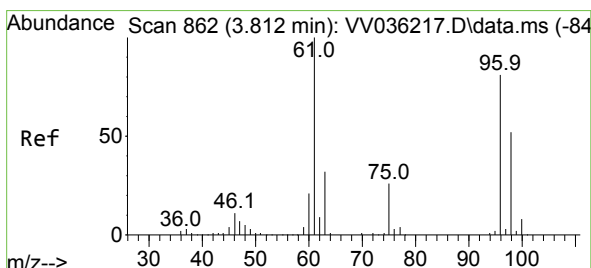
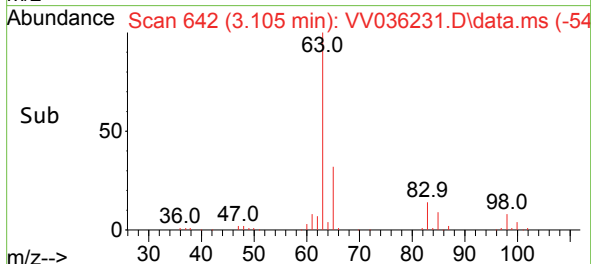
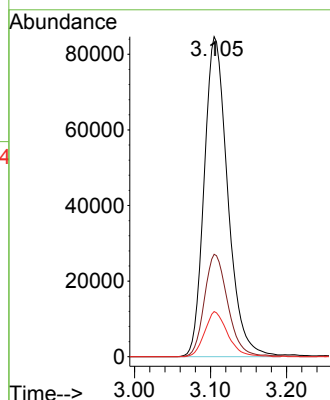
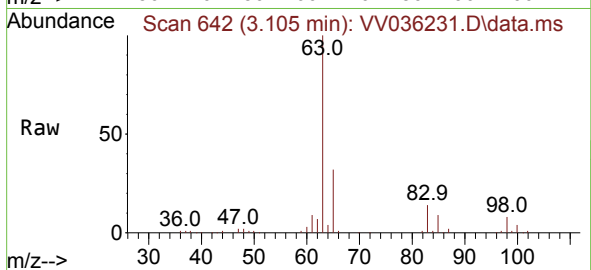
Tgt Ion: 63 Resp: 182132

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

83 14.1 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 15.728 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.000 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

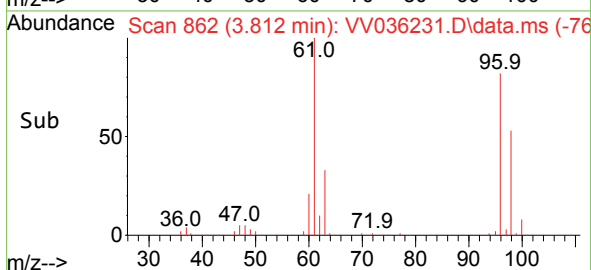
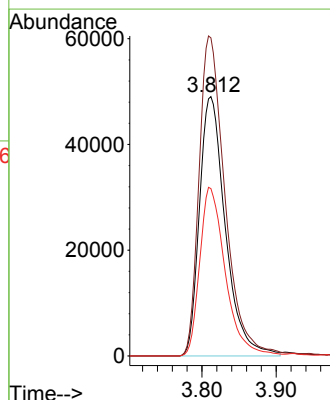
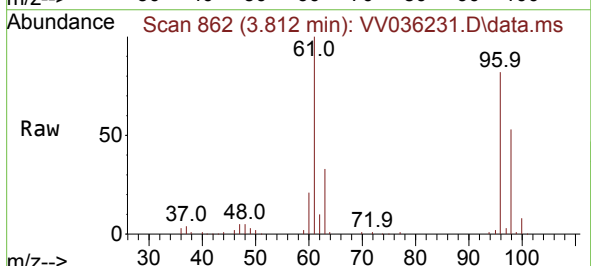
Tgt Ion: 96 Resp: 119101

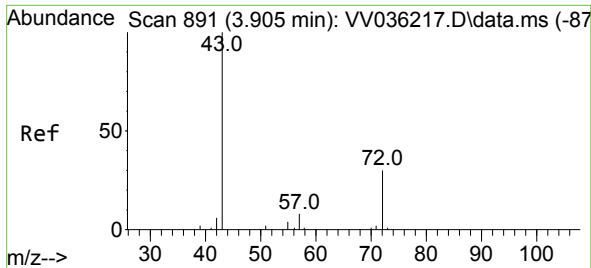
Ion Ratio Lower Upper

96 100

61 122.6 87.9 163.3

98 64.5 44.4 82.5

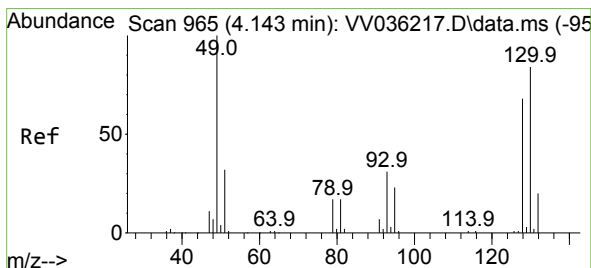
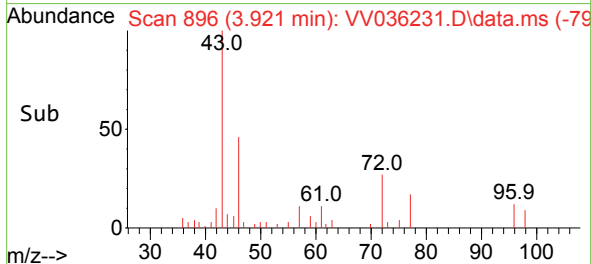
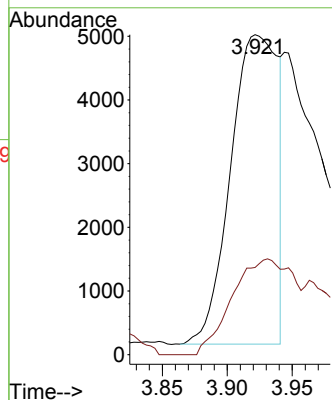
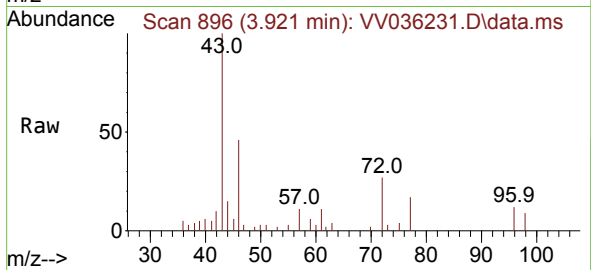




#22
2-Butanone
Concen: 4.966 ug/L
RT: 3.921 min Scan# 891
Delta R.T. 0.016 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

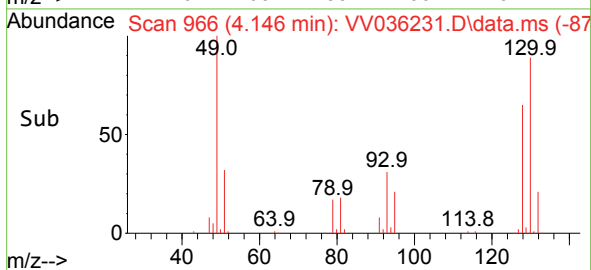
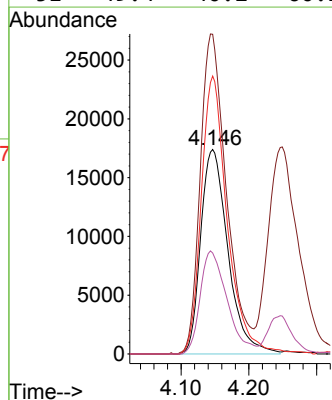
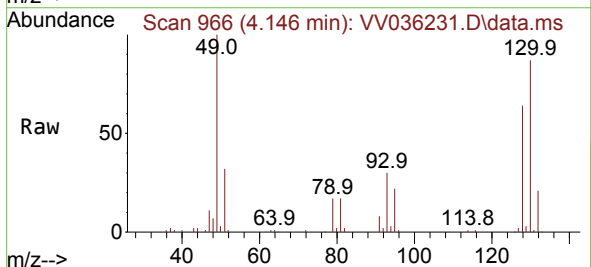
Instrument :
MSVOA_V
ClientSampleId :

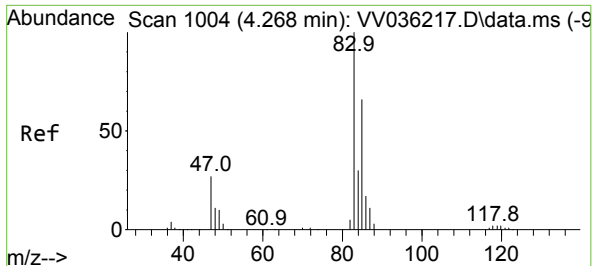
Tgt Ion: 43 Resp: 12266
Ion Ratio Lower Upper
43 100
72 14.8 8.2 24.4



#23
Bromochloromethane
Concen: 12.792 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

Tgt Ion: 128 Resp: 48591
Ion Ratio Lower Upper
128 100
49 156.3 110.2 204.6
130 135.9 90.2 167.4
51 49.4 40.2 60.2

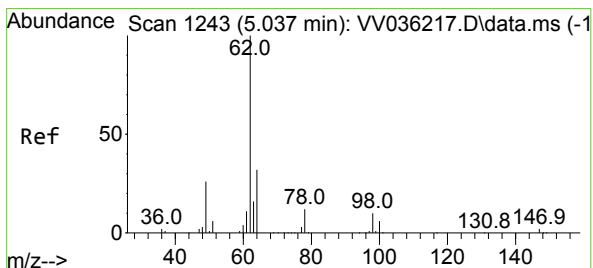
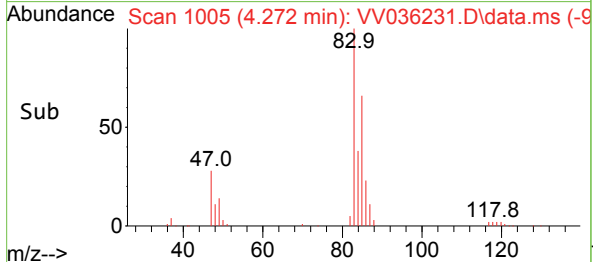
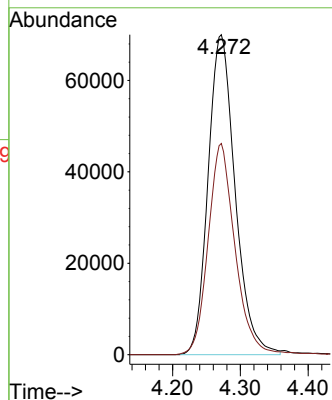
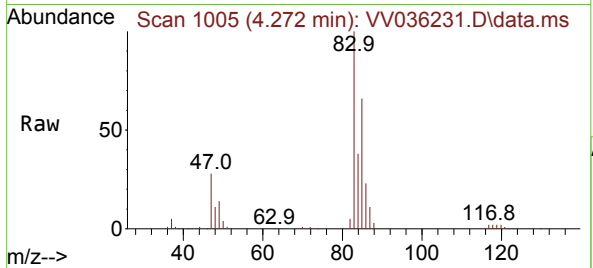




#25
Chloroform
Concen: 13.135 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

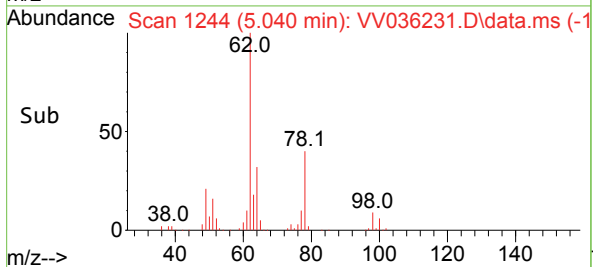
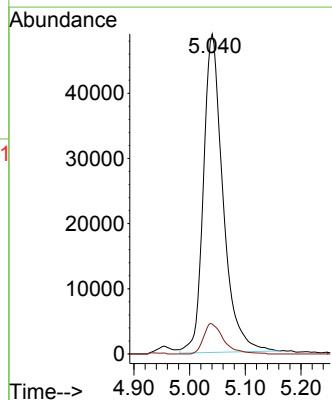
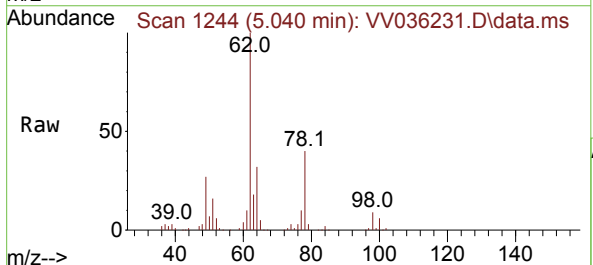
Instrument :
MSVOA_V
ClientSampleId :

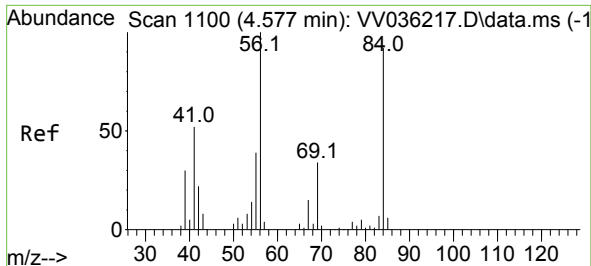
Tgt Ion: 83 Resp: 193910
Ion Ratio Lower Upper
83 100
85 66.0 45.2 84.0



#27
1,2-Dichloroethane
Concen: 12.977 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.003 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

Tgt Ion: 62 Resp: 119605
Ion Ratio Lower Upper
62 100
98 9.4 7.8 11.6





#29

Cyclohexane

Concen: 10.425 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.000 min

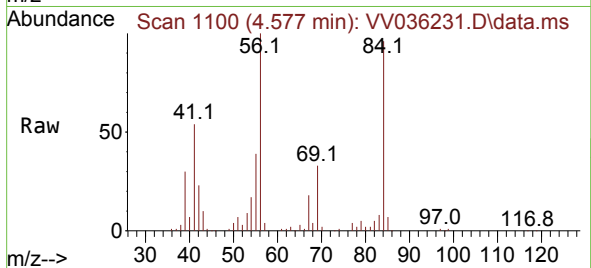
Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

Instrument :

MSVOA_V

ClientSampleId :



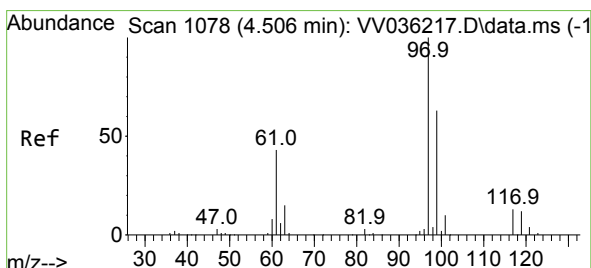
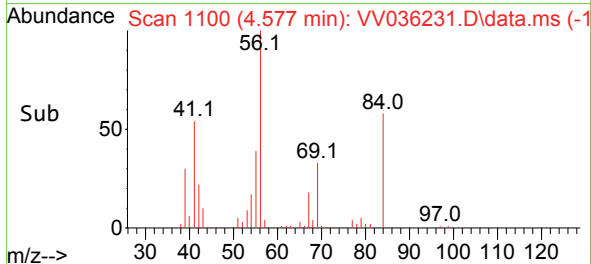
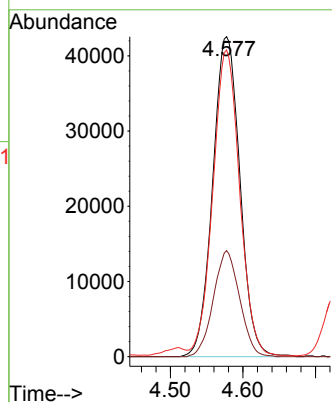
Tgt Ion: 56 Resp: 110908

Ion Ratio Lower Upper

56 100

69 31.9 25.2 37.8

84 93.6 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 12.410 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

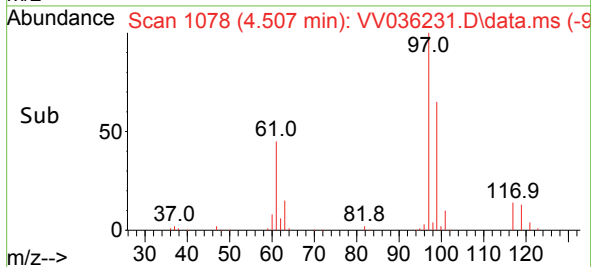
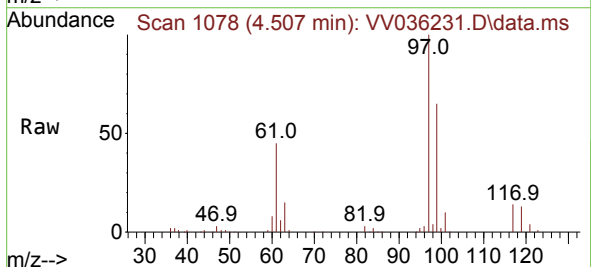
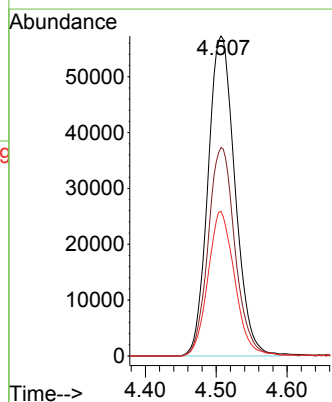
Tgt Ion: 97 Resp: 151590

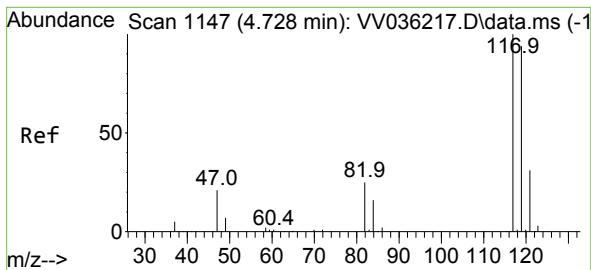
Ion Ratio Lower Upper

97 100

99 64.9 50.9 76.3

61 44.8 35.0 52.6

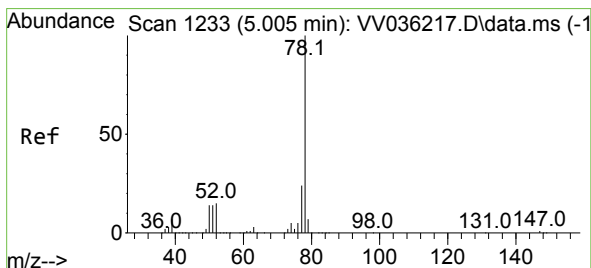
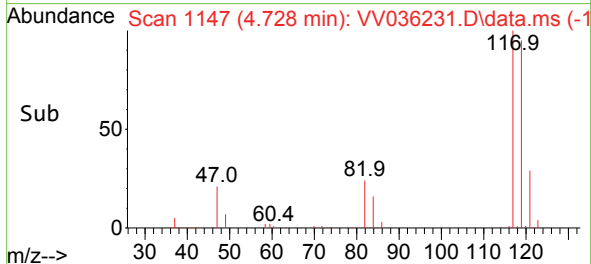
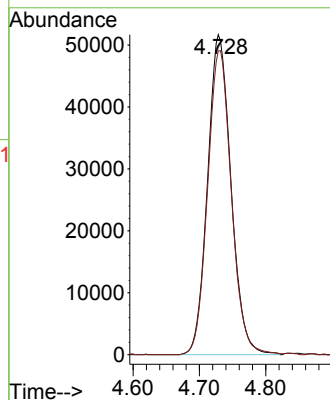
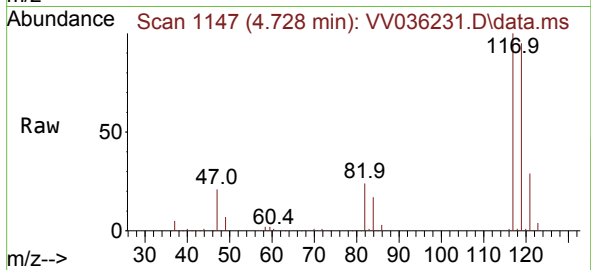




#31
Carbon tetrachloride
Concen: 11.851 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

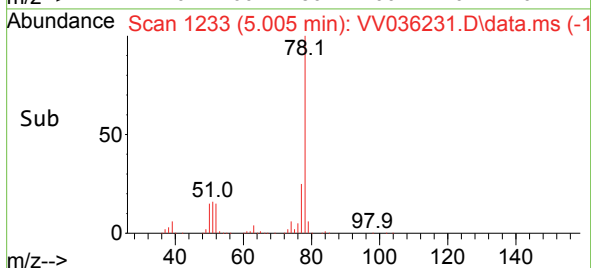
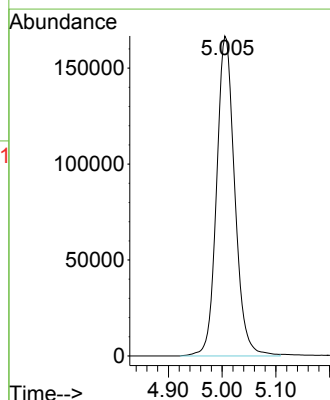
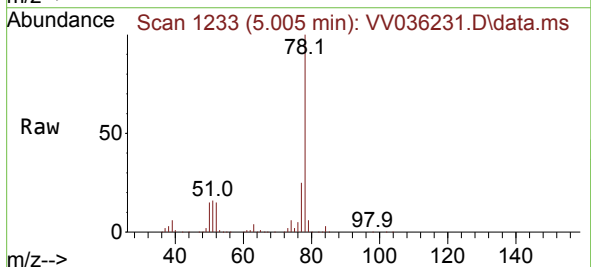
Instrument :
MSVOA_V
ClientSampleId :

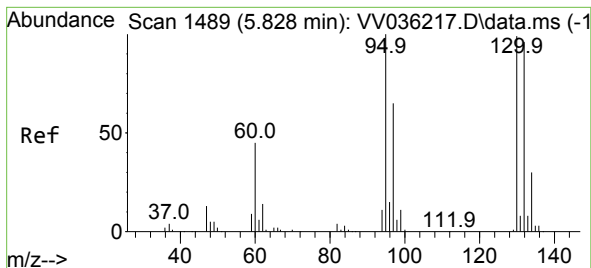
Tgt Ion:117 Resp: 126999
Ion Ratio Lower Upper
117 100
119 96.1 76.8 115.2



#33
Benzene
Concen: 13.370 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

Tgt Ion: 78 Resp: 390698





#34

Trichloroethene

Concen: 11.979 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 107286

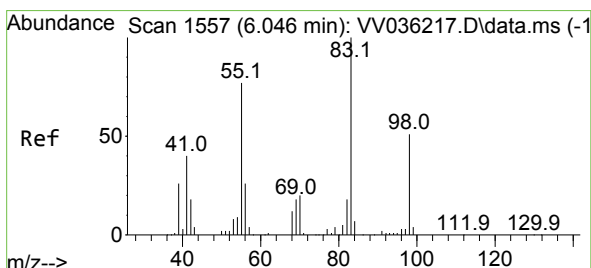
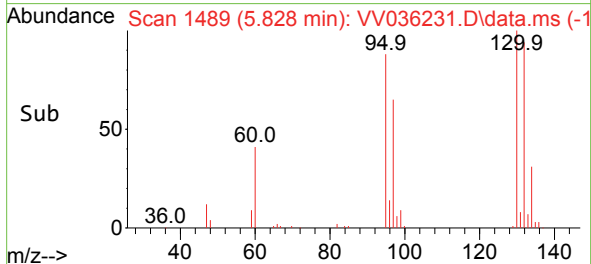
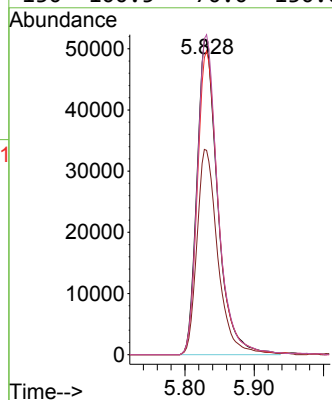
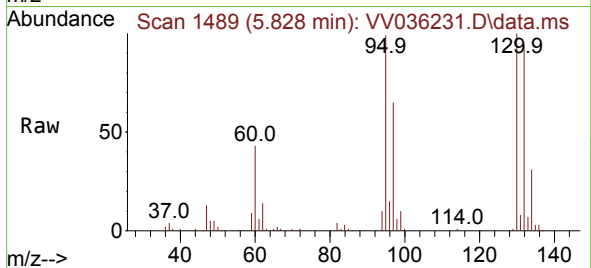
Ion Ratio Lower Upper

95 100

97 65.3 44.8 83.2

132 94.5 66.8 124.2

130 100.5 70.0 130.0



#35

Methylcyclohexane

Concen: 10.988 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

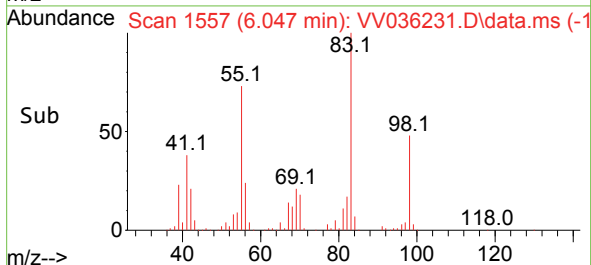
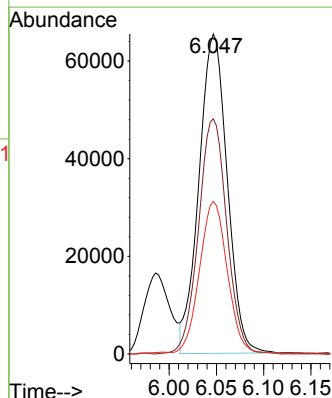
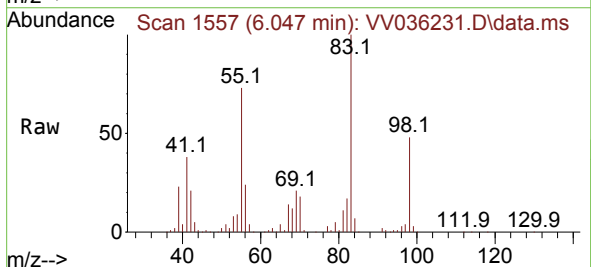
Tgt Ion: 83 Resp: 136092

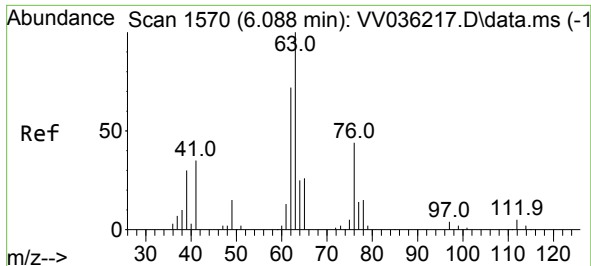
Ion Ratio Lower Upper

83 100

55 73.6 60.7 91.1

98 47.2 38.7 58.1





#37

1,2-Dichloropropane

Concen: 13.399 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

Instrument :

MSVOA_V

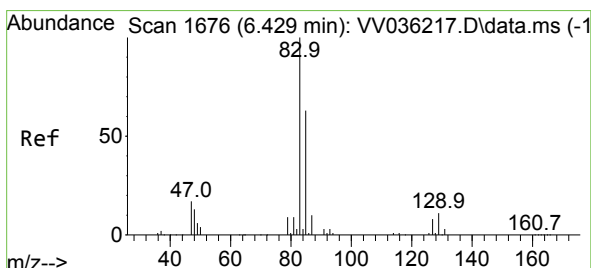
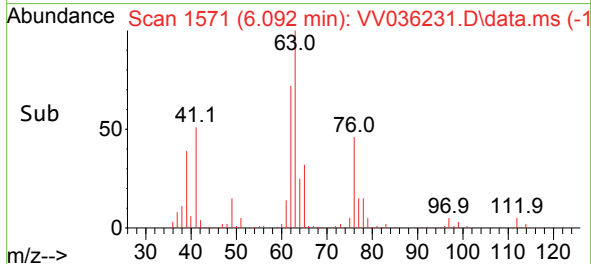
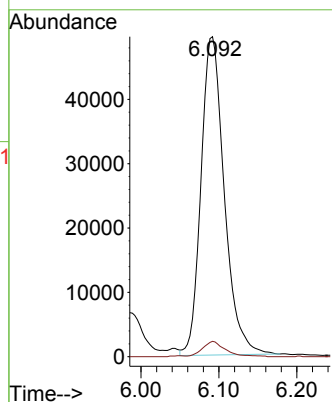
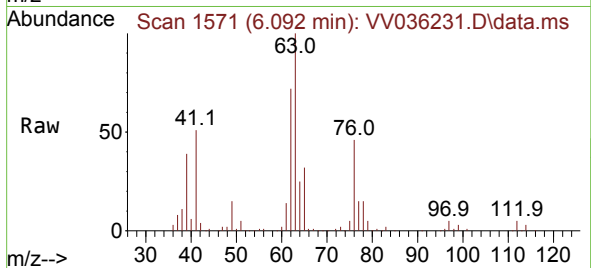
ClientSampleId :

Tgt Ion: 63 Resp: 102815

Ion Ratio Lower Upper

63 100

112 4.7 3.5 5.3



#38

Bromodichloromethane

Concen: 12.787 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

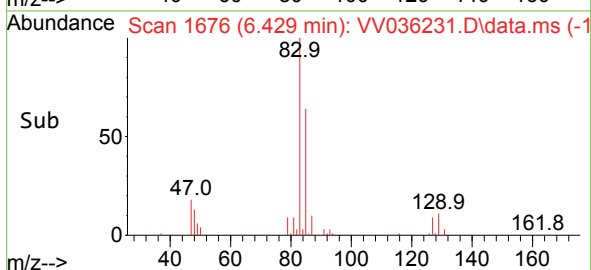
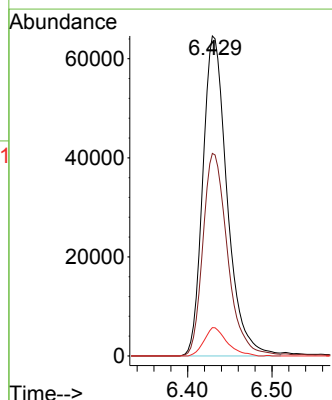
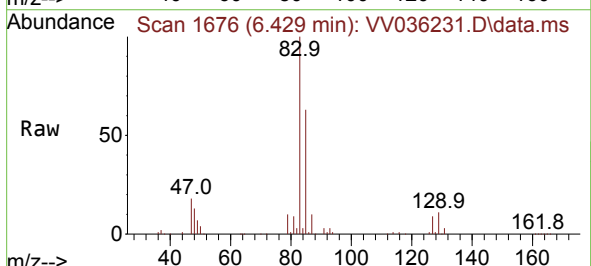
Tgt Ion: 83 Resp: 129871

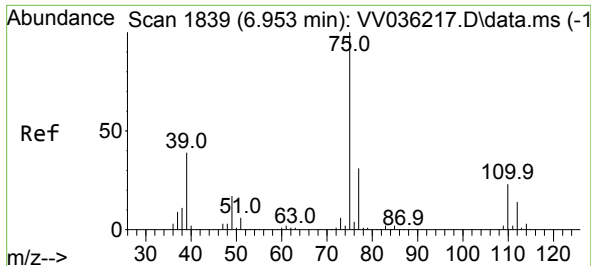
Ion Ratio Lower Upper

83 100

85 63.3 45.3 84.1

127 8.8 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 11.069 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

Instrument :

MSVOA_V

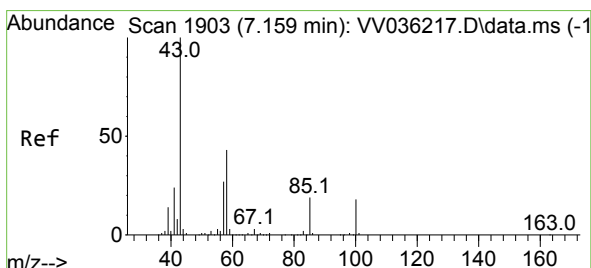
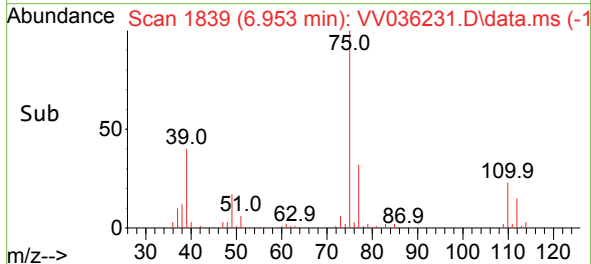
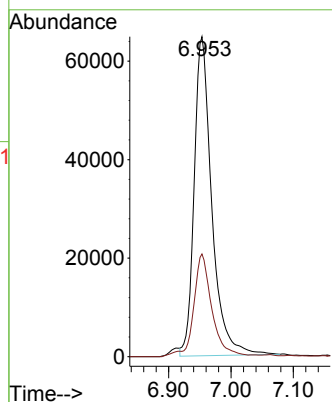
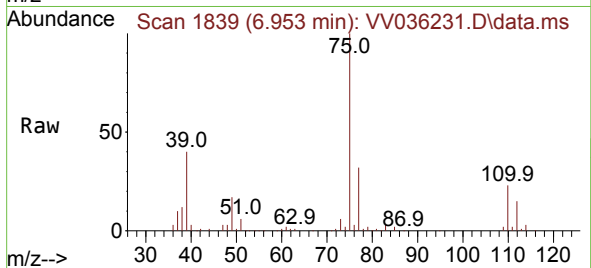
ClientSampleId :

Tgt Ion: 75 Resp: 127039

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 18.890 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

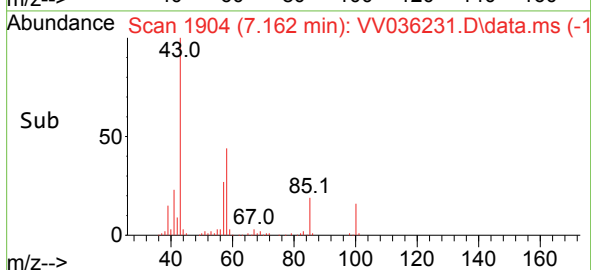
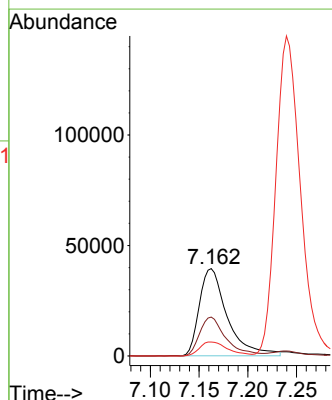
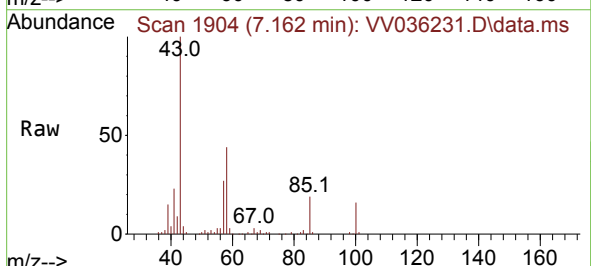
Tgt Ion: 43 Resp: 78750

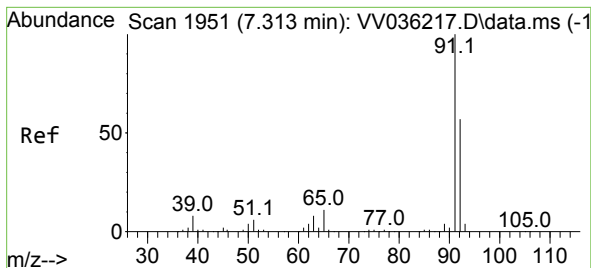
Ion Ratio Lower Upper

43 100

58 42.3 32.5 48.7

100 16.4 12.5 18.7





#42

Toluene

Concen: 13.951 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

Instrument :

MSVOA_V

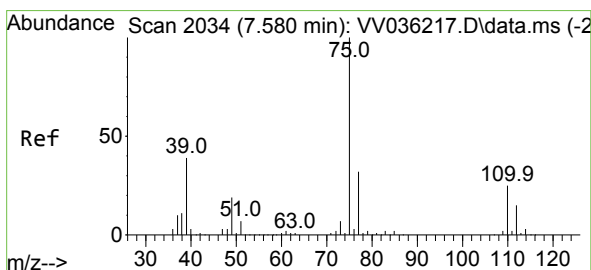
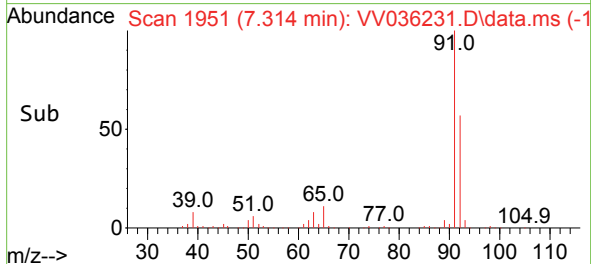
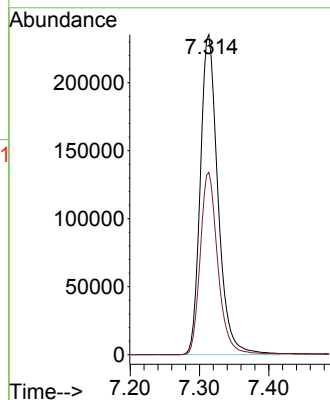
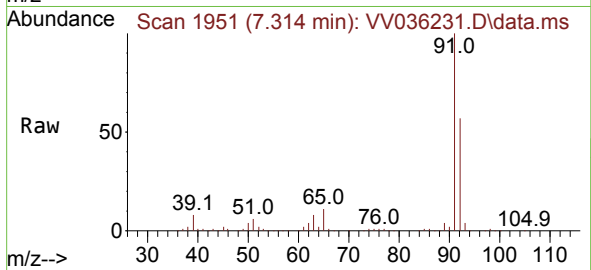
ClientSampleId :

Tgt Ion: 91 Resp: 416592

Ion Ratio Lower Upper

91 100

92 57.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 11.468 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV036231.D

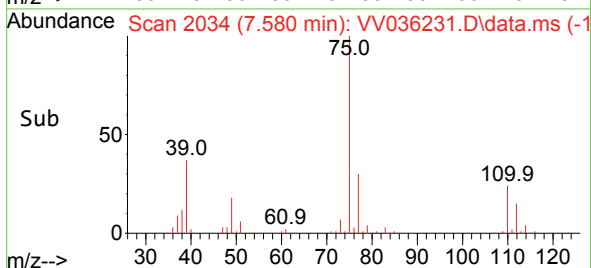
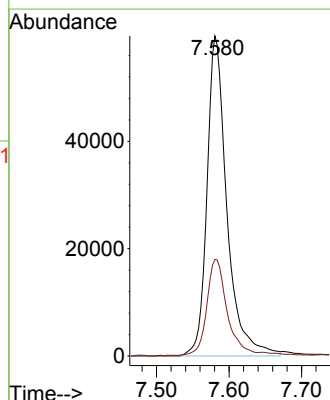
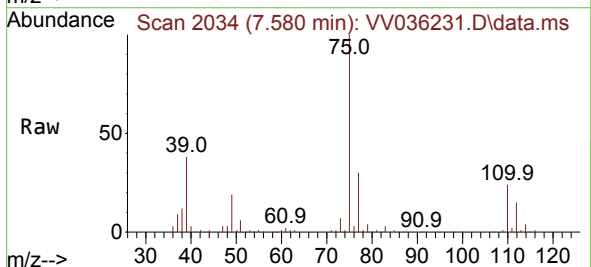
Acq: 22 Jun 2024 01:41

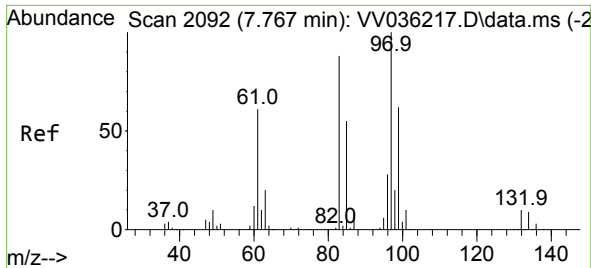
Tgt Ion: 75 Resp: 113689

Ion Ratio Lower Upper

75 100

77 30.2 23.1 42.9

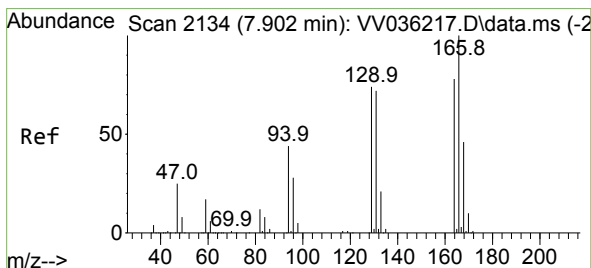
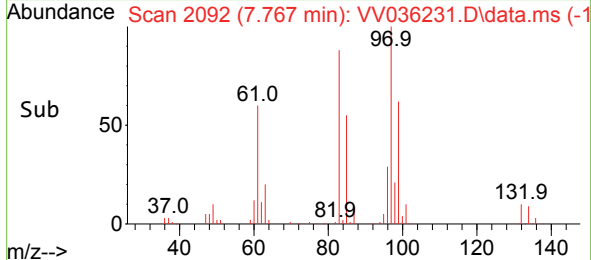
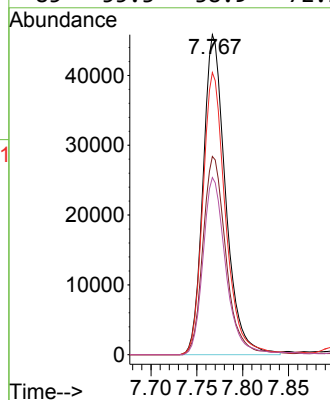
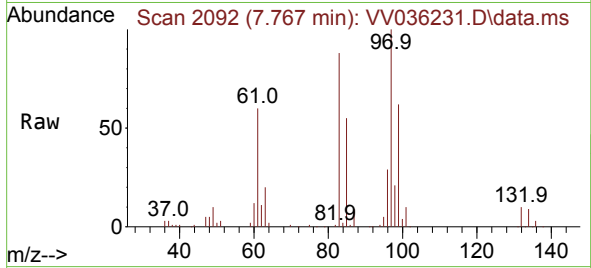




#45
1,1,2-Trichloroethane
Concen: 12.346 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

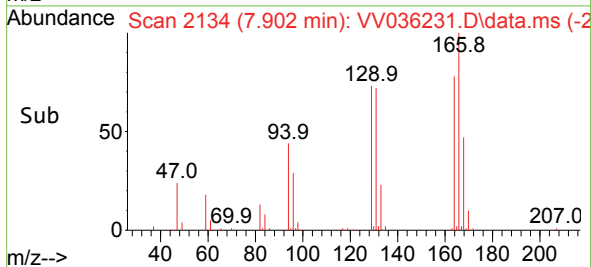
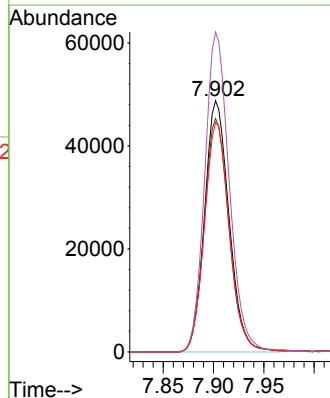
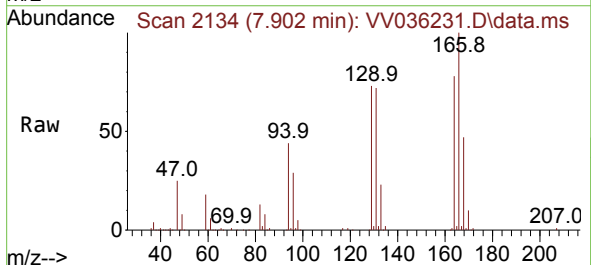
Instrument :
MSVOA_V
ClientSampleId :

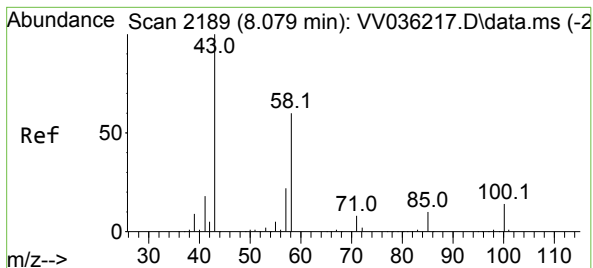
Tgt Ion:	97	Resp:	78388
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.3	80.5
83	88.2	60.1	111.7
85	55.3	38.9	72.3



#46
Tetrachloroethene
Concen: 12.661 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

Tgt Ion:	164	Resp:	82937
Ion	Ratio	Lower	Upper
164	100		
129	92.9	64.6	120.0
131	91.4	63.2	117.4
166	127.4	89.5	166.3





#48

2-Hexanone

Concen: 15.425 ug/L

RT: 8.082 min Scan# 2189

Delta R.T. 0.003 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 50272

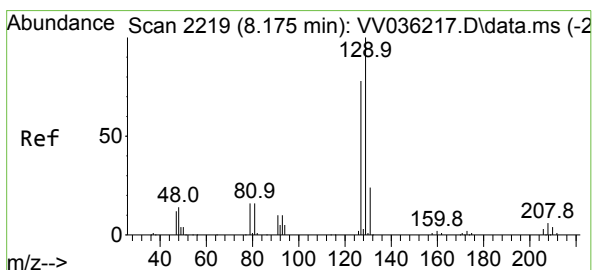
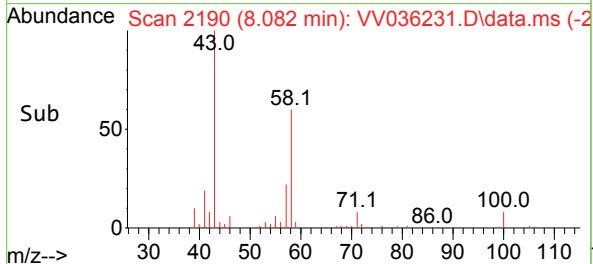
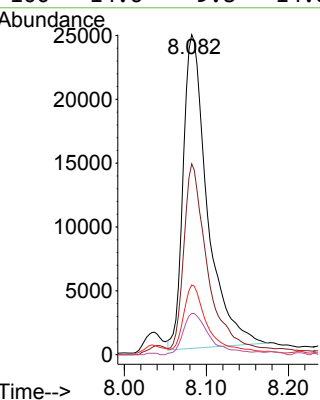
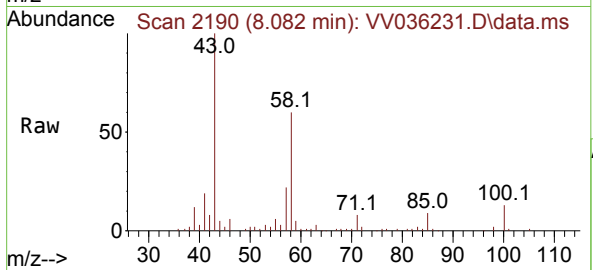
Ion Ratio Lower Upper

43 100

58 58.5 45.4 68.0

57 19.2 15.8 23.8

100 14.6 9.8 14.8



#49

Dibromochloromethane

Concen: 12.387 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.000 min

Lab File: VV036231.D

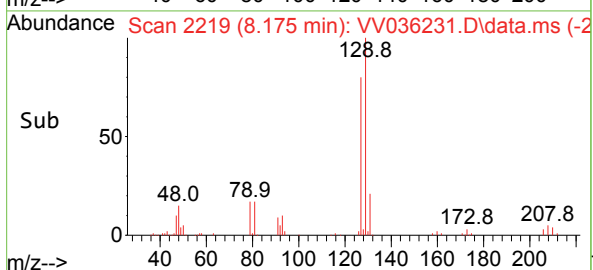
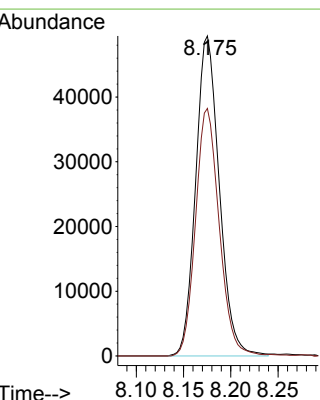
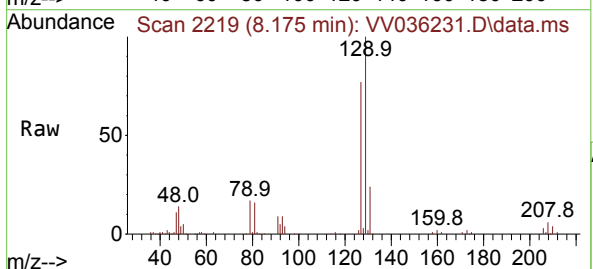
Acq: 22 Jun 2024 01:41

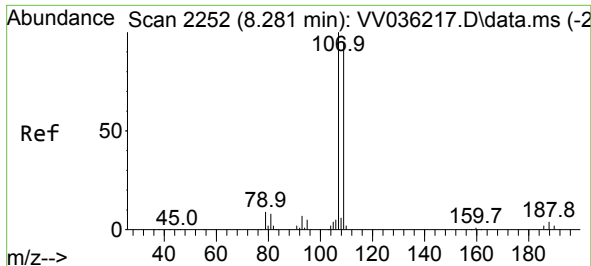
Tgt Ion: 129 Resp: 86077

Ion Ratio Lower Upper

129 100

127 77.3 53.9 100.1

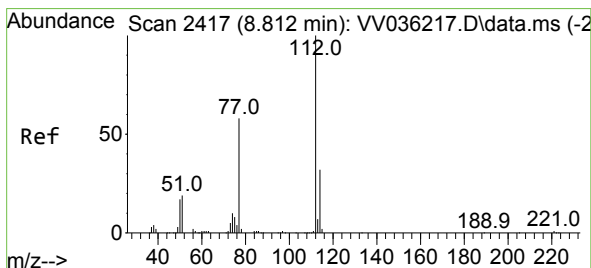
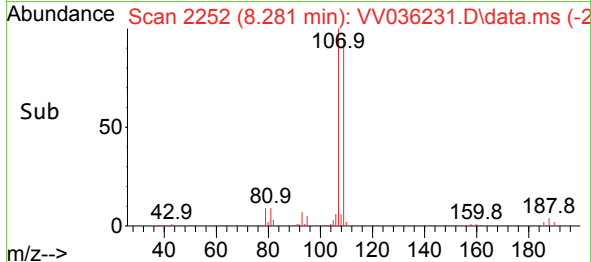
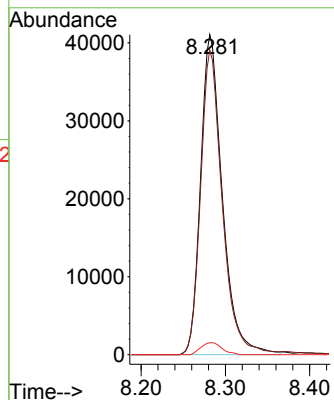
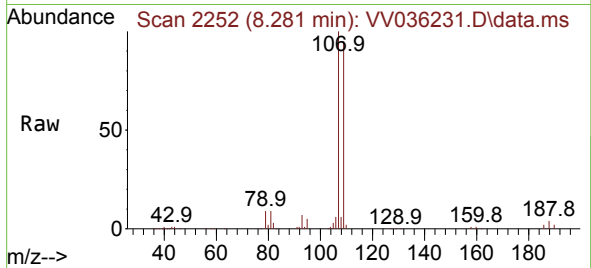




#50
1,2-Dibromoethane
Concen: 12.121 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

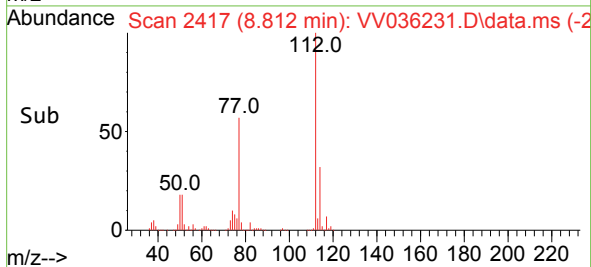
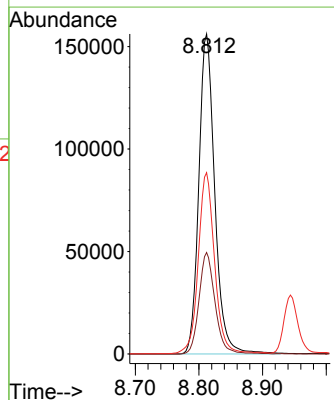
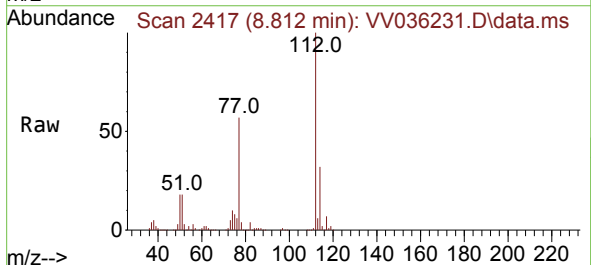
Instrument :
MSVOA_V
ClientSampleId :

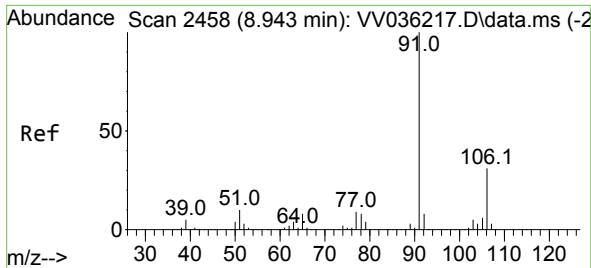
Tgt Ion:107 Resp: 73843
Ion Ratio Lower Upper
107 100
109 95.1 66.1 122.7
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 13.371 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

Tgt Ion:112 Resp: 272043
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.5
77 56.6 47.3 70.9

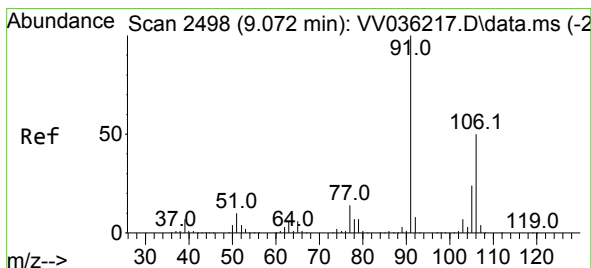
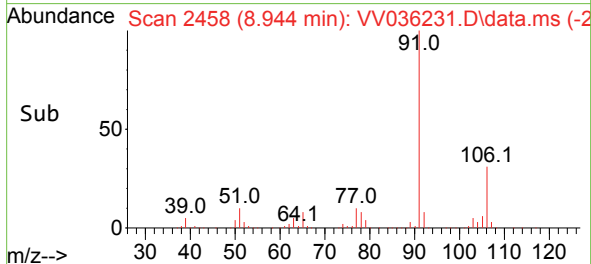
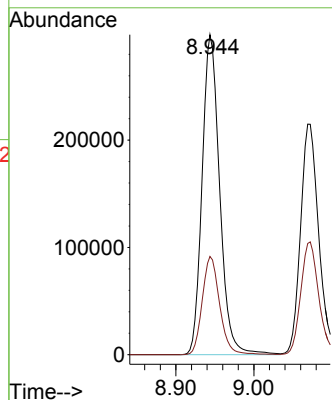
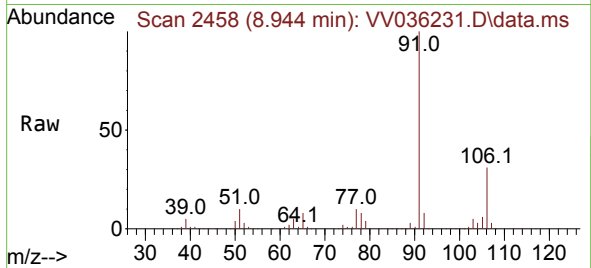




#52
Ethylbenzene
Concen: 14.625 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

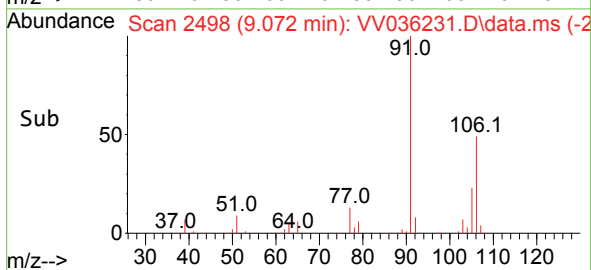
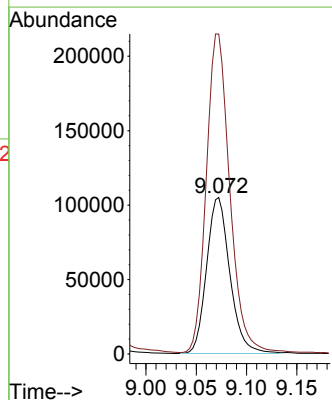
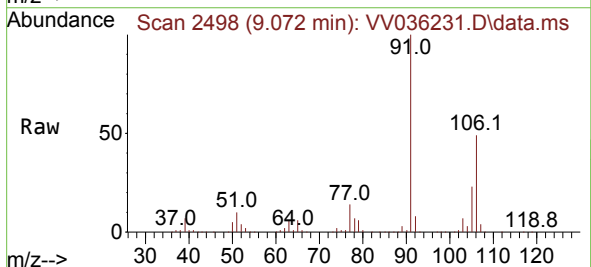
Instrument :
MSVOA_V
ClientSampleId :

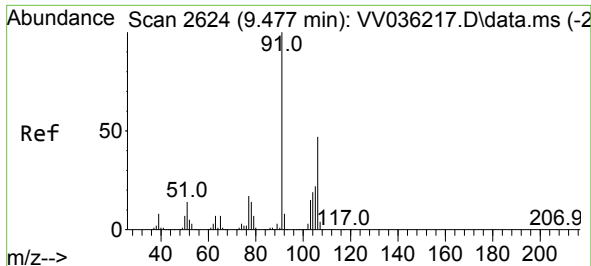
Tgt Ion: 91 Resp: 467231
Ion Ratio Lower Upper
91 100
106 30.7 21.6 40.0



#53
m,p-Xylene
Concen: 14.076 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

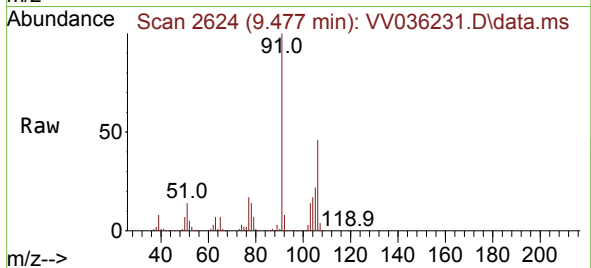
Tgt Ion: 106 Resp: 168974
Ion Ratio Lower Upper
106 100
91 204.3 143.1 265.9



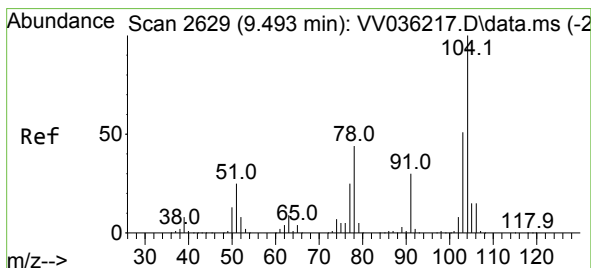
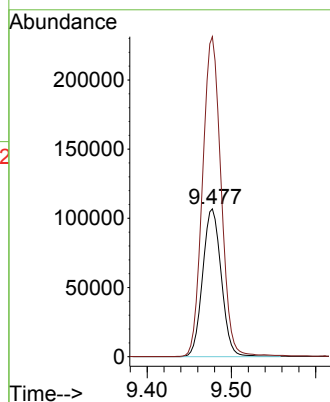
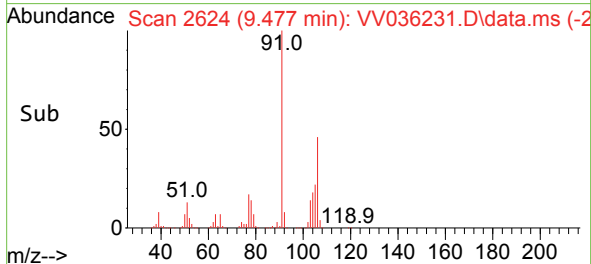


#54
o-Xylene
Concen: 14.560 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

Instrument :
MSVOA_V
ClientSampleId :

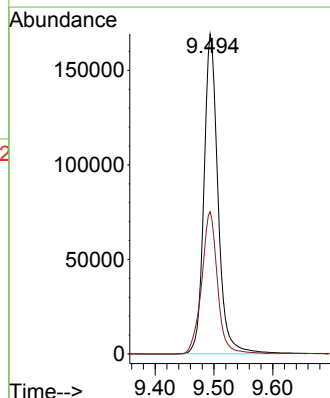
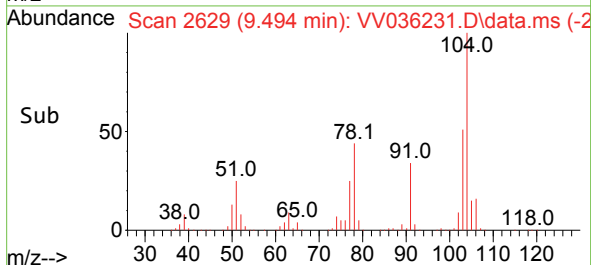
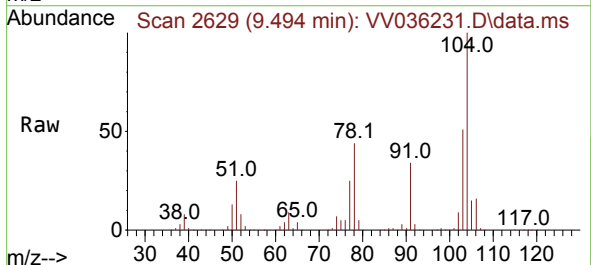


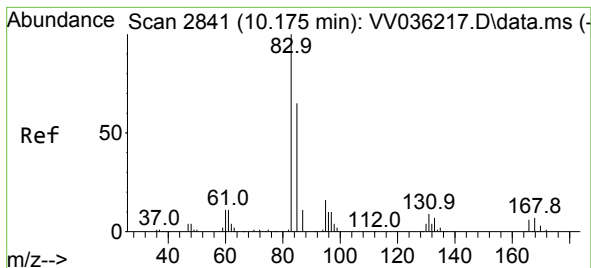
Tgt Ion:106 Resp: 164829
Ion Ratio Lower Upper
106 100
91 216.4 154.5 286.9



#55
Styrene
Concen: 14.103 ug/L
RT: 9.494 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

Tgt Ion:104 Resp: 281545
Ion Ratio Lower Upper
104 100
78 44.4 31.4 58.2

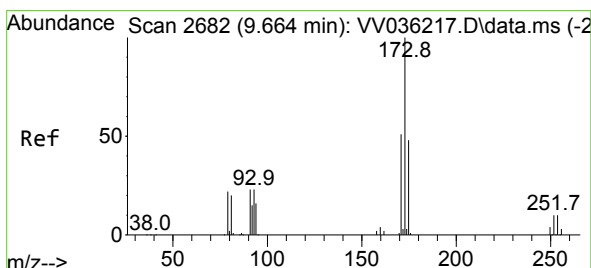
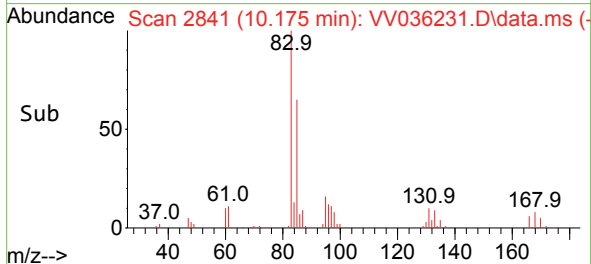
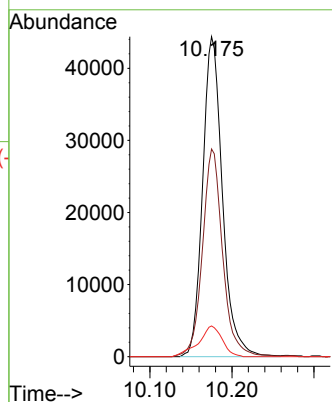
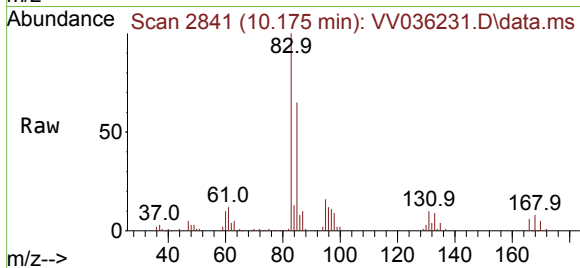




#57
1,1,2,2-Tetrachloroethane
Concen: 13.085 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

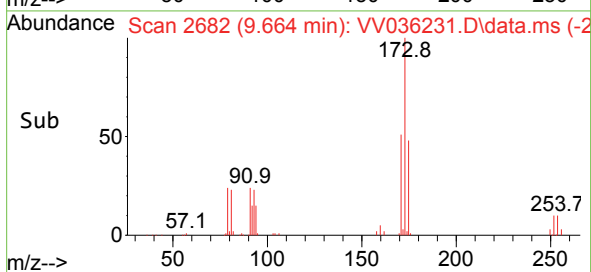
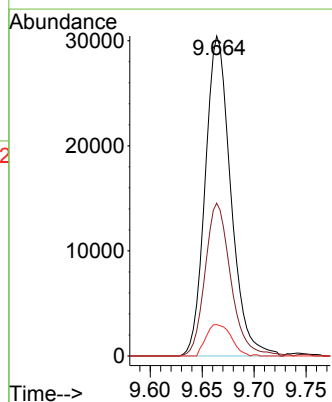
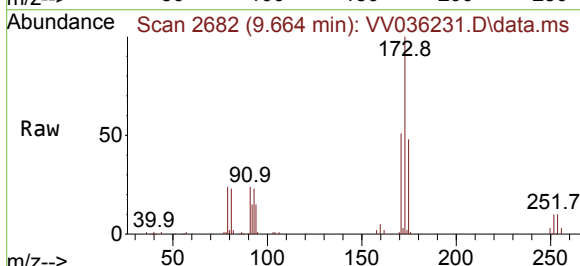
Instrument :
MSVOA_V
ClientSampleId :

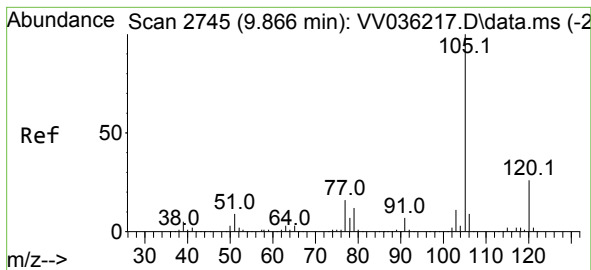
Tgt Ion: 83 Resp: 74388
Ion Ratio Lower Upper
83 100
85 64.9 45.1 83.7
131 9.6 7.6 11.4



#59
Bromoform
Concen: 11.988 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

Tgt Ion: 173 Resp: 52145
Ion Ratio Lower Upper
173 100
175 48.0 39.0 58.6
254 9.6 8.6 13.0





#60

Isopropylbenzene

Concen: 13.575 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

Instrument :

MSVOA_V

ClientSampleId :

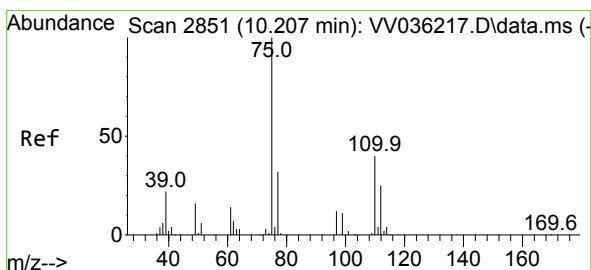
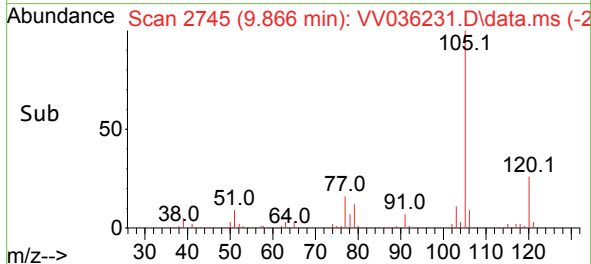
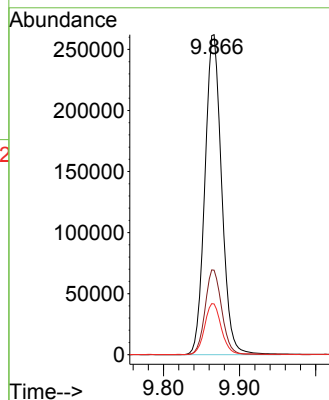
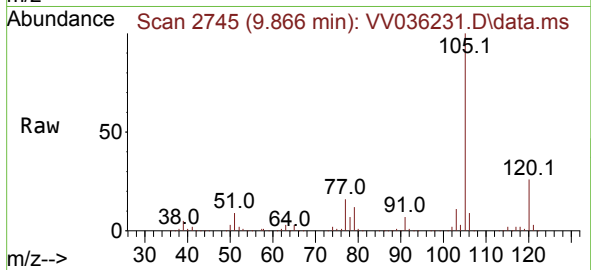
Tgt Ion:105 Resp: 401709

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

77 15.9 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 11.276 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

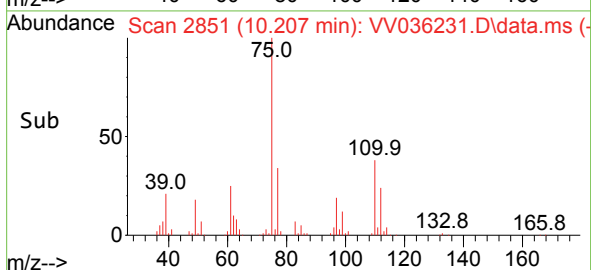
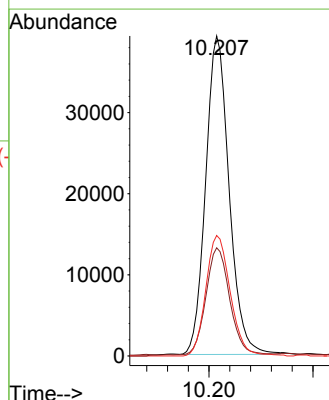
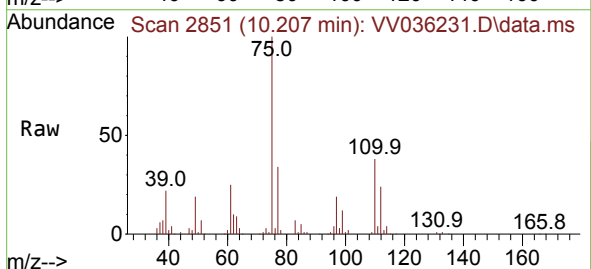
Tgt Ion: 75 Resp: 61511

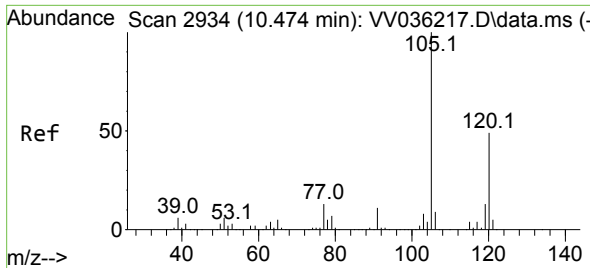
Ion Ratio Lower Upper

75 100

77 34.2 26.0 39.0

110 39.5 32.2 48.4

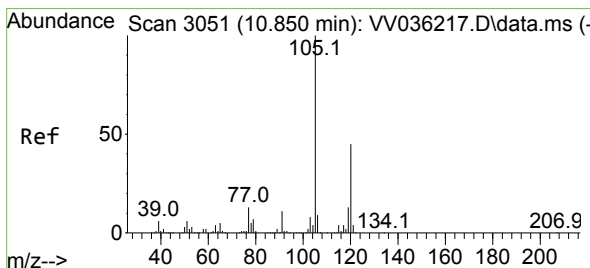
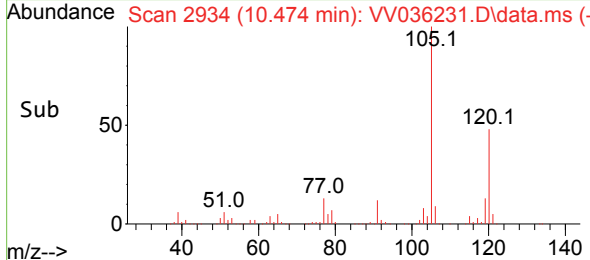
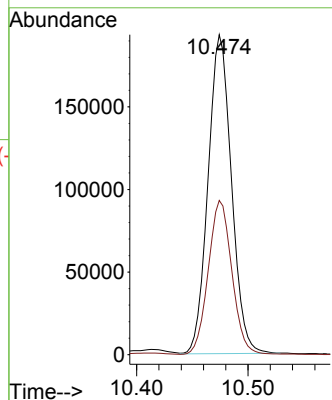
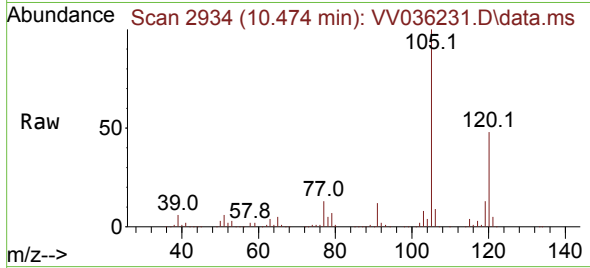




#62
 1,3,5-Trimethylbenzene
 Concen: 13.129 ug/L
 RT: 10.474 min Scan# 2934
 Delta R.T. 0.000 min
 Lab File: VV036231.D
 Acq: 22 Jun 2024 01:41

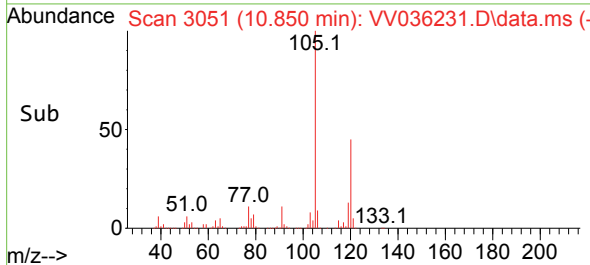
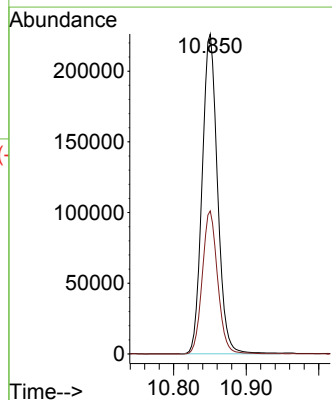
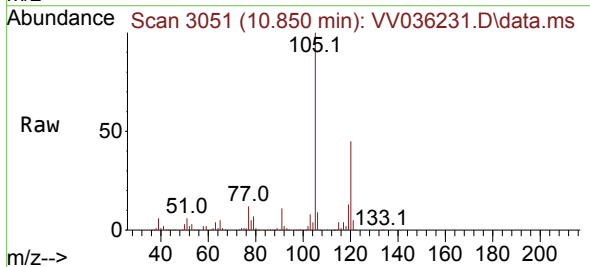
Instrument :
 MSVOA_V
 ClientSampleId :

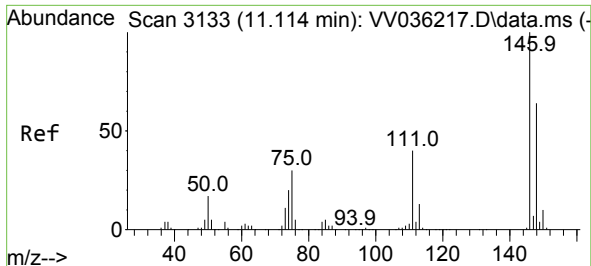
Tgt Ion:105 Resp: 281715
 Ion Ratio Lower Upper
 105 100
 120 48.6 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 14.420 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. 0.000 min
 Lab File: VV036231.D
 Acq: 22 Jun 2024 01:41

Tgt Ion:105 Resp: 333383
 Ion Ratio Lower Upper
 105 100
 120 44.7 36.2 54.4

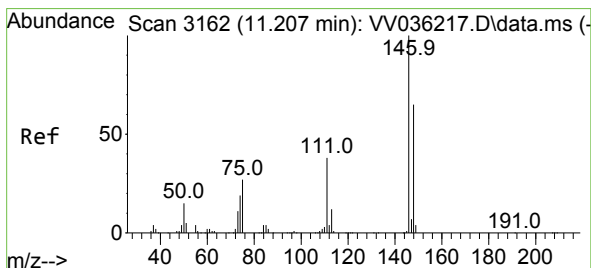
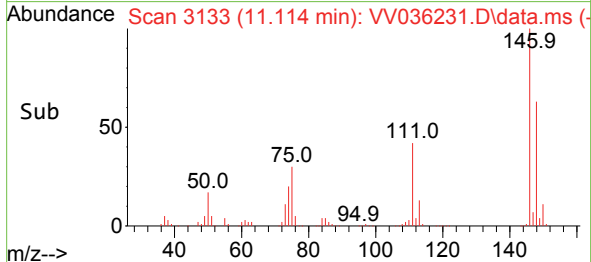
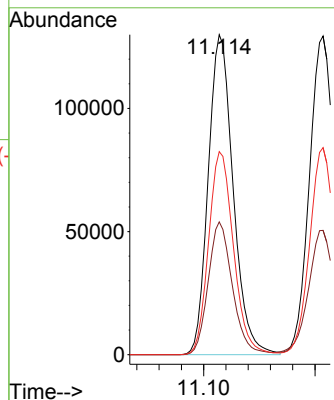
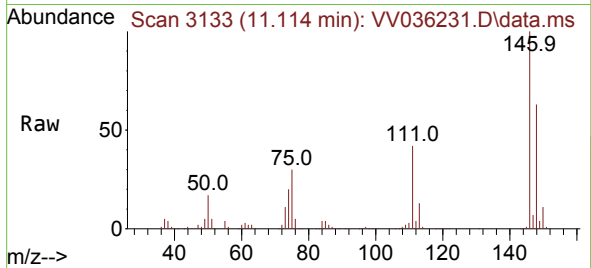




#64
1,3-Dichlorobenzene
Concen: 13.007 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

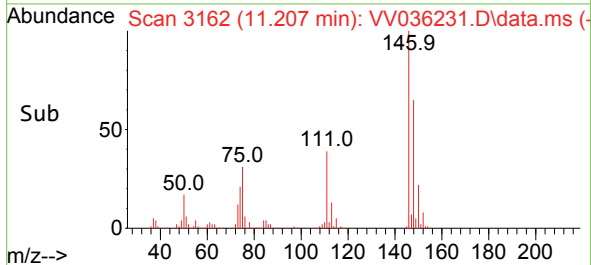
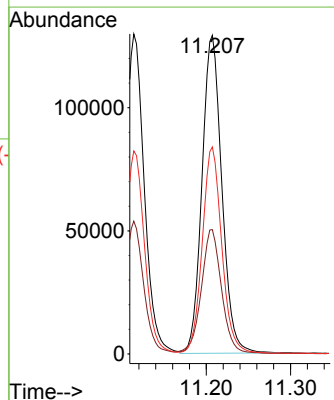
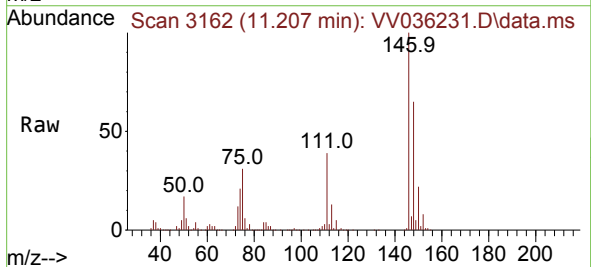
Instrument :
MSVOA_V
ClientSampleId :

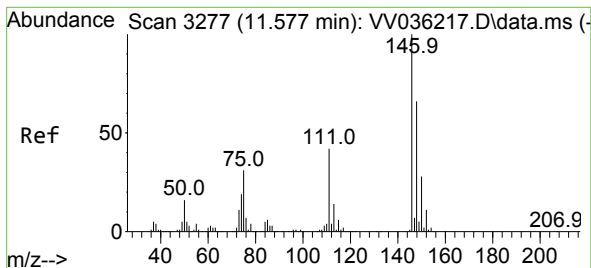
Tgt Ion:146 Resp: 202129
Ion Ratio Lower Upper
146 100
111 41.5 28.1 52.1
148 63.5 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 13.196 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV036231.D
Acq: 22 Jun 2024 01:41

Tgt Ion:146 Resp: 211678
Ion Ratio Lower Upper
146 100
111 39.0 26.9 50.1
148 64.9 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 12.846 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

Instrument :

MSVOA_V

ClientSampleId :

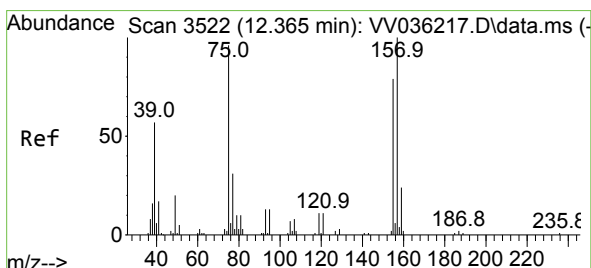
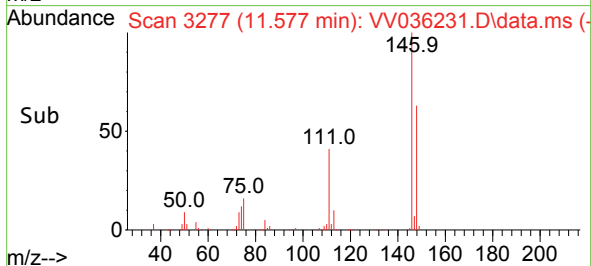
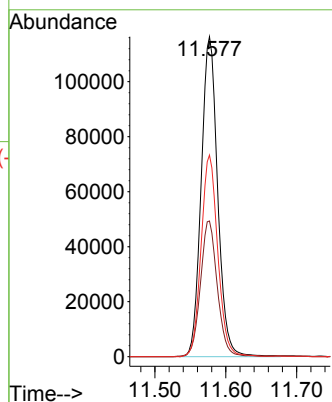
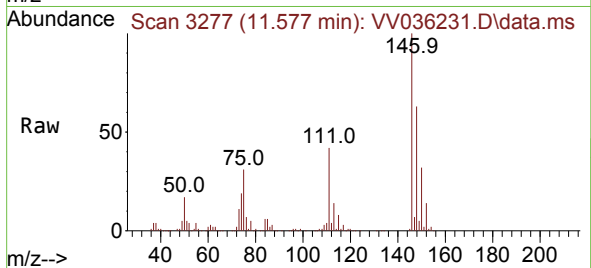
Tgt Ion:146 Resp: 187864

Ion Ratio Lower Upper

146 100

111 42.4 33.5 50.3

148 63.0 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 10.535 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

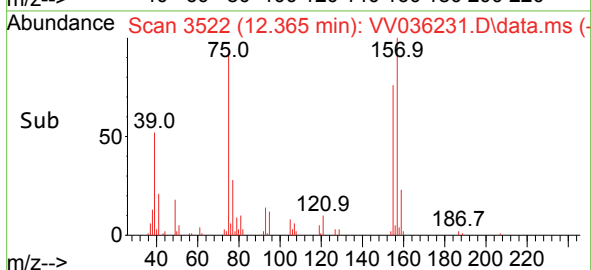
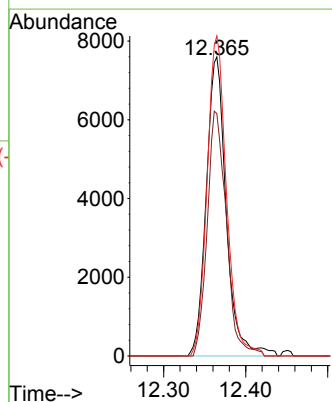
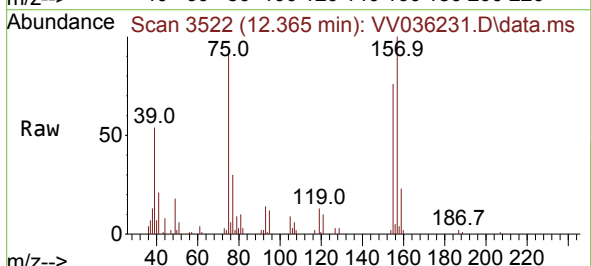
Tgt Ion: 75 Resp: 12851

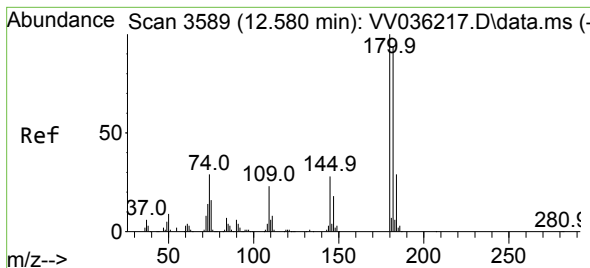
Ion Ratio Lower Upper

75 100

155 81.0 63.3 94.9

157 107.0 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 11.100 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

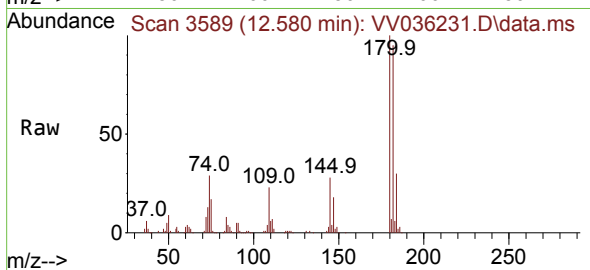
Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 129035

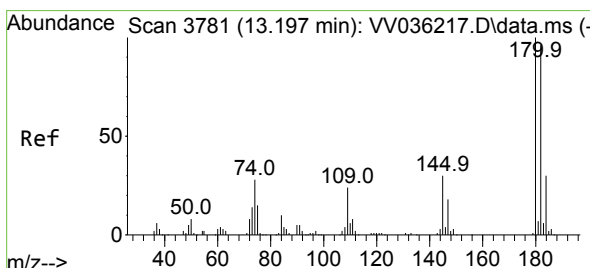
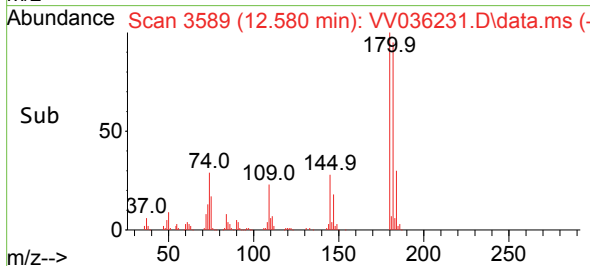
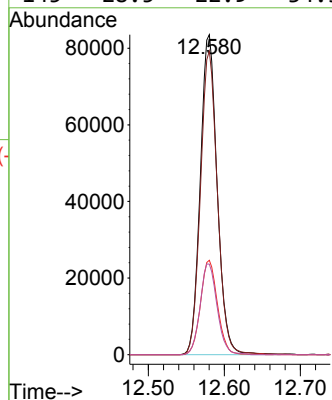
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.4

184 29.6 24.2 36.2

145 28.5 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 10.937 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.003 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

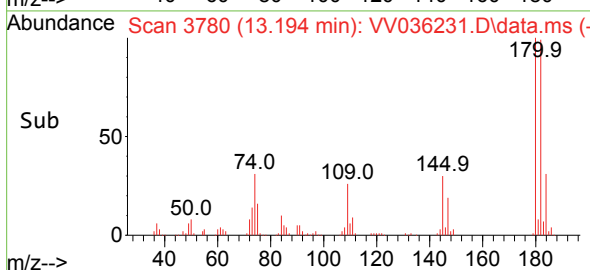
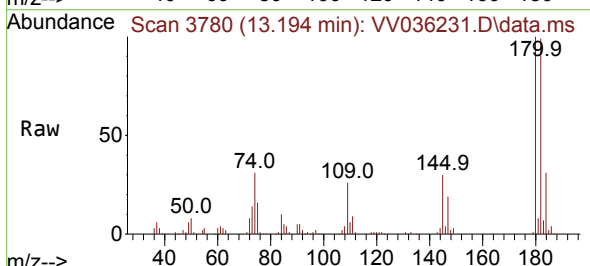
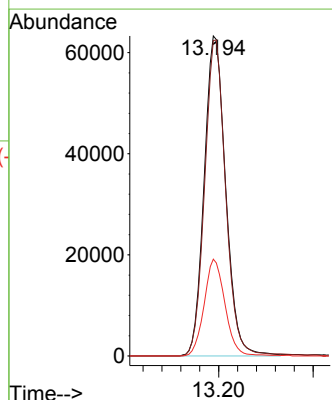
Tgt Ion:180 Resp: 100106

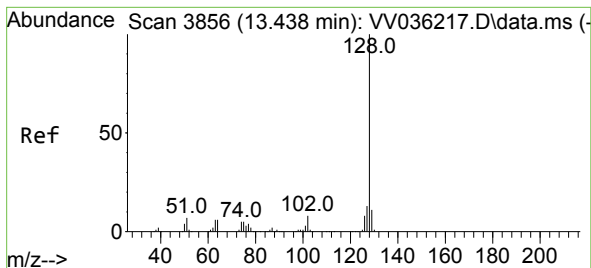
Ion Ratio Lower Upper

180 100

182 96.2 76.1 114.1

145 29.1 23.5 35.3





#71

Naphthalene

Concen: 27.268 ug/L

RT: 13.435 min Scan# 3856

Delta R.T. -0.003 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

Instrument :

MSVOA_V

ClientSampleId :

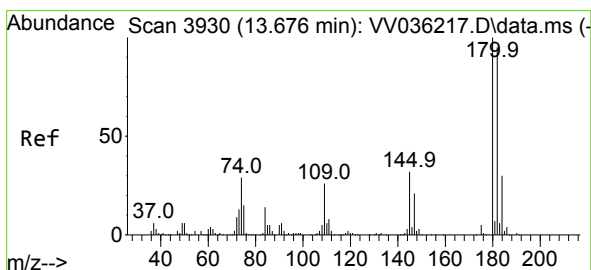
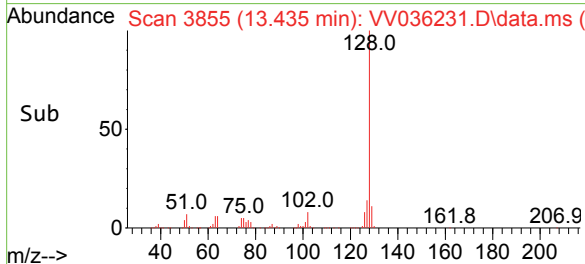
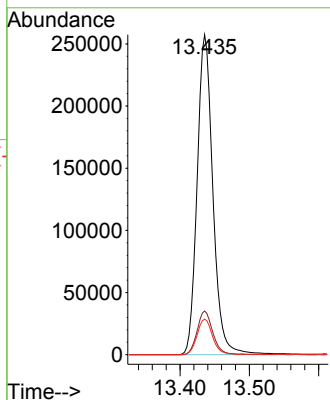
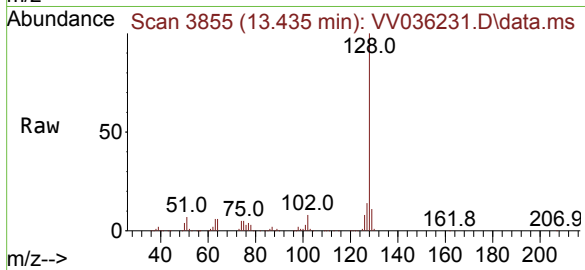
Tgt Ion:128 Resp: 407308

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 12.484 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036231.D

Acq: 22 Jun 2024 01:41

Tgt Ion:180 Resp: 104275

Ion Ratio Lower Upper

180 100

182 94.7 75.1 112.7

145 31.3 25.2 37.8

