

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062424\
 Data File : VV036263.D
 Acq On : 24 Jun 2024 23:17
 Operator : SY/MD
 Sample : P3010-02MS
 Misc : 4.98g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 25 06:29:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 05:53:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	426367	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	307885	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	82294	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	185913	23.717	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.880%
7) Chloroethane-d5	1.526	69	166252	26.599	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.400%
11) 1,1-Dichloroethene-d2	2.050	65	78472	22.487	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.960%
21) 2-Butanone-d5	3.847	46	14772	8.214	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	16.420%#
24) Chloroform-d	4.243	84	350168	25.833	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.320%
26) 1,2-Dichloroethane-d4	4.937	65	176666	24.858	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.440%
32) Benzene-d6	4.953	84	665239	36.349	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	145.400%#
36) 1,2-Dichloropropane-d6	5.982	67	220583	38.274	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	153.080%#
41) Toluene-d8	7.239	98	517535	32.050	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	128.200%
43) trans-1,3-Dichloroprop...	7.551	79	51778	21.911	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.640%
47) 2-Hexanone-d5	8.034	63	27286	34.944	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.880%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	115469	26.811	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.240%
66) 1,2-Dichlorobenzene-d4	11.558	152	71968	23.848	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	91035	11.842	ug/L	100
3) Chloromethane	1.211	50	92568	10.492	ug/L	97
5) Vinyl chloride	1.275	62	119600	12.877	ug/L	98
6) Bromomethane	1.481	94	59027	10.244	ug/L	99
8) Chloroethane	1.542	64	81976	14.199	ug/L	99
9) Trichlorofluoromethane	1.706	101	170157	14.752	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	92859	12.685	ug/L	99
12) 1,1-Dichloroethene	2.060	96	93236	13.656	ug/L #	68
13) Acetone	2.156	43	24462	8.732	ug/L	74
14) Carbon disulfide	2.233	76	213801	9.017	ug/L	100
15) Methyl Acetate	2.394	43	22152	6.361	ug/L	94
16) Methylene chloride	2.439	84	127468	13.212	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	82812	11.418	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	240405	14.765	ug/L	98
19) 1,1-Dichloroethane	3.105	63	200536	14.519	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	90759	12.454	ug/L	96
22) 2-Butanone	3.924	43	18897	7.949	ug/L #	68
23) Bromochloromethane	4.143	128	50158	13.721	ug/L	94
25) Chloroform	4.272	83	209717	14.760	ug/L	99

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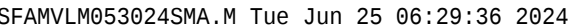
Instrument :
 MSVOA_V
 ClientSampleId :

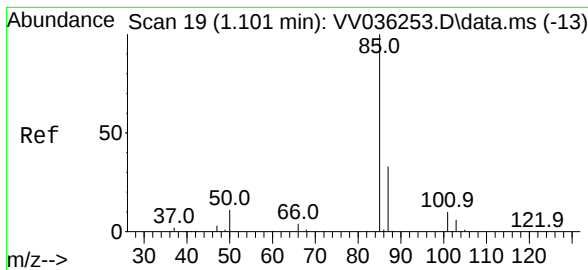
Quant Time: Jun 25 06:29:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 05:53:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	122622	13.824	ug/L	99
29) Cyclohexane	4.577	56	75820	10.343	ug/L	96
30) 1,1,1-Trichloroethane	4.506	97	160985	19.126	ug/L	100
31) Carbon tetrachloride	4.728	117	129283	17.508	ug/L	99
33) Benzene	5.005	78	397584	19.744	ug/L	100
34) Trichloroethene	5.831	95	90439	14.654	ug/L	98
35) Methylcyclohexane	6.047	83	60927	7.139	ug/L	98
37) 1,2-Dichloropropane	6.092	63	104044	19.678	ug/L	99
38) Bromodichloromethane	6.429	83	135138	19.310	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	97473	12.325	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	74524	25.942	ug/L	98
42) Toluene	7.313	91	350307	17.025	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	83032	12.155	ug/L	96
45) 1,1,2-Trichloroethane	7.767	97	80085	18.305	ug/L	99
46) Tetrachloroethene	7.902	164	53612	11.878	ug/L	98
48) 2-Hexanone	8.085	43	37824	16.842	ug/L	97
49) Dibromochloromethane	8.175	129	80981	16.913	ug/L	97
50) 1,2-Dibromoethane	8.281	107	63673	15.168	ug/L	99
51) Chlorobenzene	8.812	112	178565	12.737	ug/L	99
52) Ethylbenzene	8.944	91	264556	12.017	ug/L	99
53) m,p-Xylene	9.072	106	96007	11.607	ug/L	95
54) o-Xylene	9.477	106	91042	11.671	ug/L	100
55) Styrene	9.493	104	133743	9.723	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	63072	16.101	ug/L	98
59) Bromoform	9.664	173	43311	27.907	ug/L	99
60) Isopropylbenzene	9.866	105	193165	18.296	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	57513	29.550	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	103753	13.552	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	107911	13.082	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	70434	12.703	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	70034	12.237	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	65514	12.556	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	8944	20.550	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	24438	5.892	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	13485	4.129	ug/L	99
71) Naphthalene	13.442	128	29095	5.459	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	11028	3.701	ug/L	96

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

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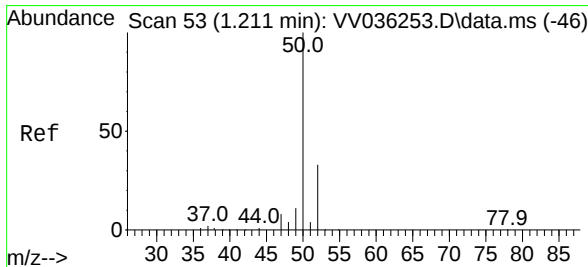
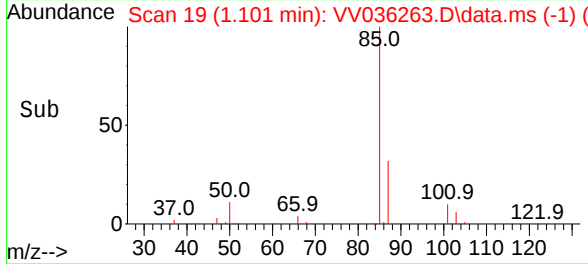
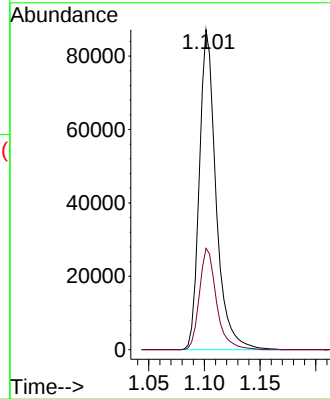
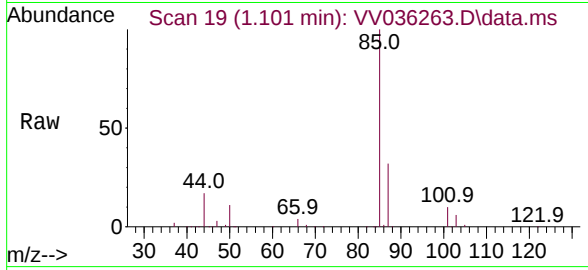




#2
 Dichlorodifluoromethane
 Concen: 11.842 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. 0.000 min
 Lab File: VV036263.D
 Acq: 24 Jun 2024 23:17

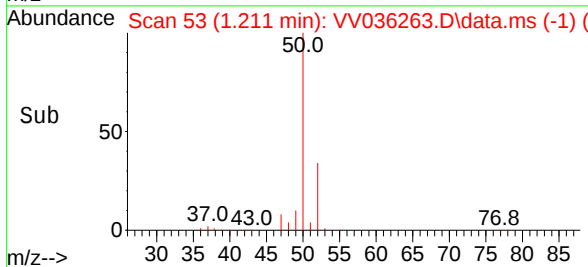
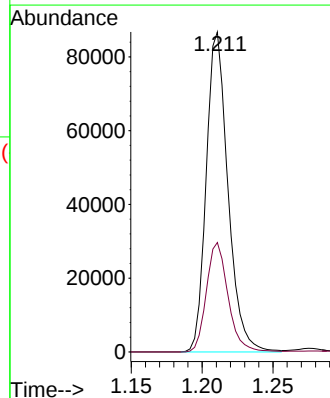
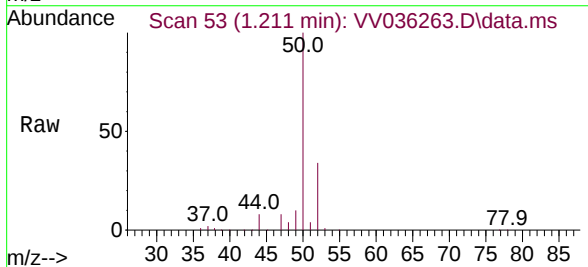
Instrument :
 MSVOA_V
 ClientSampleId :

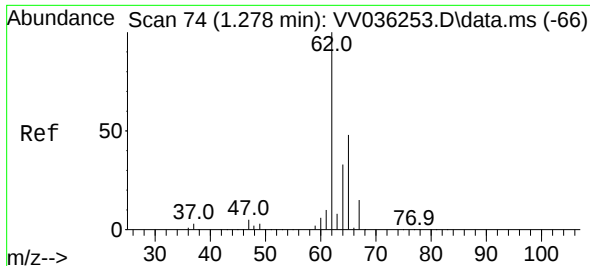
Tgt Ion: 85 Resp: 91035
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.9 38.9



#3
 Chloromethane
 Concen: 10.492 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV036263.D
 Acq: 24 Jun 2024 23:17

Tgt Ion: 50 Resp: 92568
 Ion Ratio Lower Upper
 50 100
 52 34.2 22.8 42.4





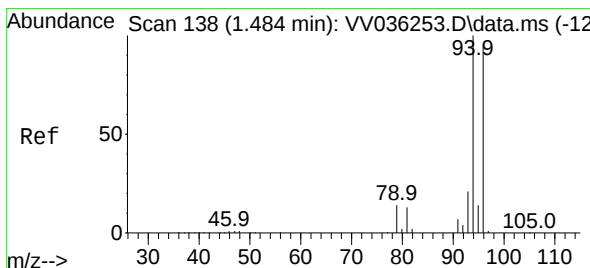
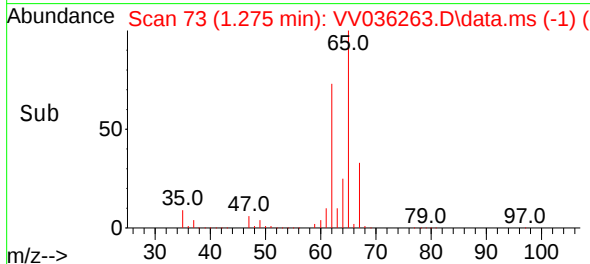
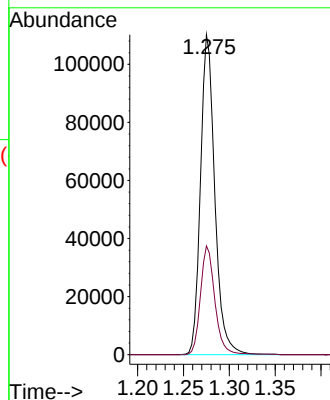
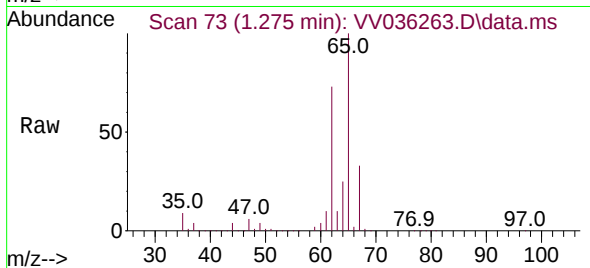
#5
Vinyl chloride
Concen: 12.877 ug/L
RT: 1.275 min Scan# 74
Delta R.T. -0.003 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

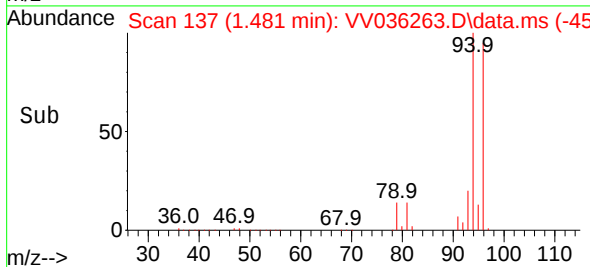
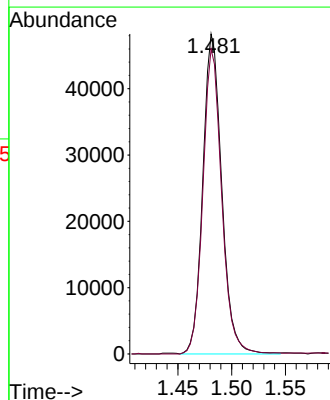
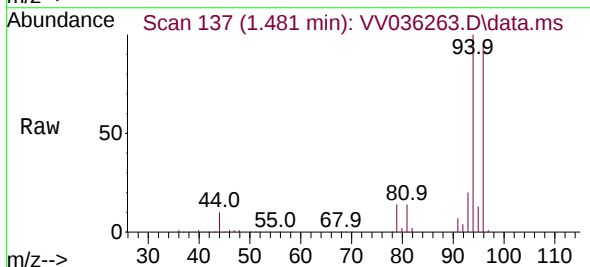
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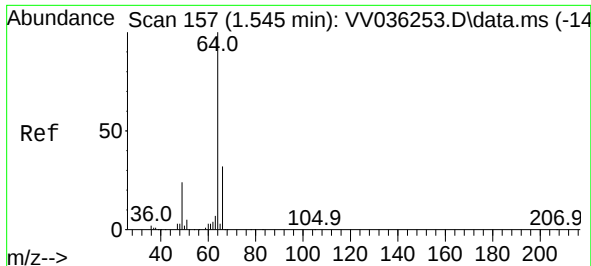
Tgt Ion: 62 Resp: 119600
Ion Ratio Lower Upper
62 100
64 34.0 22.9 42.5



#6
Bromomethane
Concen: 10.244 ug/L
RT: 1.481 min Scan# 137
Delta R.T. -0.003 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

Tgt Ion: 94 Resp: 59027
Ion Ratio Lower Upper
94 100
96 95.3 65.7 122.1

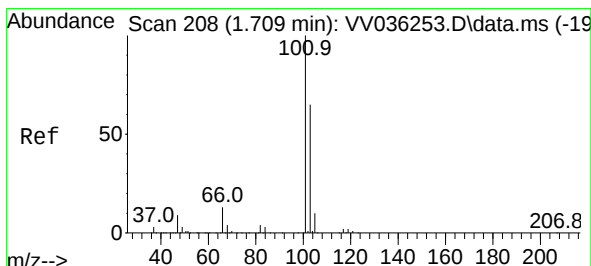
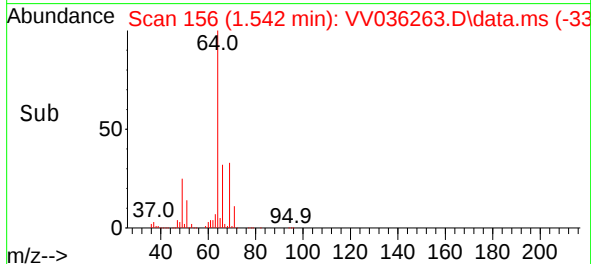
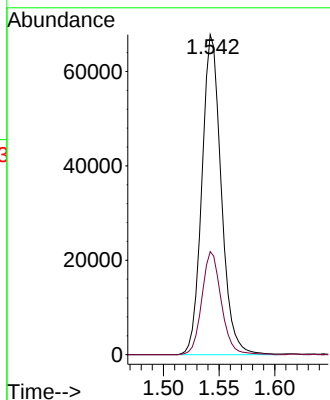
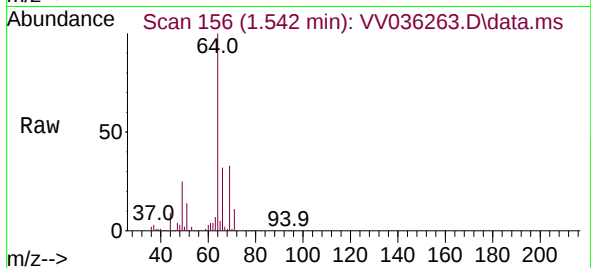




#8
Chloroethane
Concen: 14.199 ug/L
RT: 1.542 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

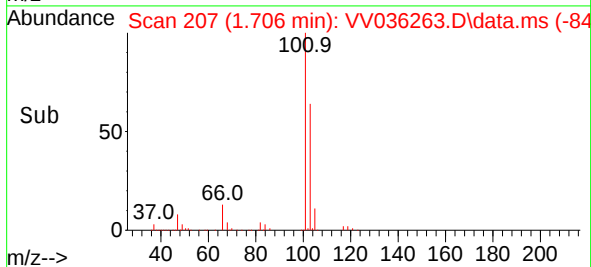
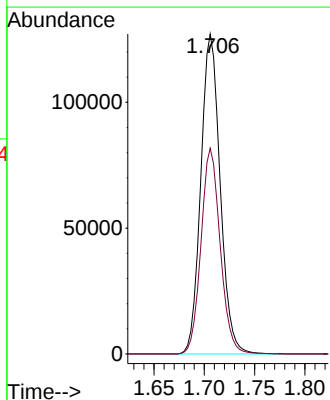
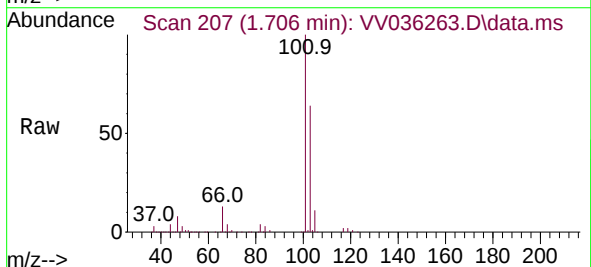
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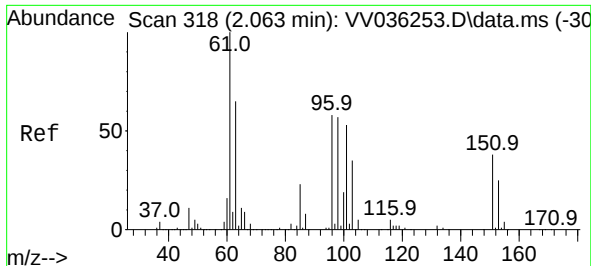
Tgt Ion: 64 Resp: 81976
Ion Ratio Lower Upper
64 100
66 32.2 22.0 41.0



#9
Trichlorofluoromethane
Concen: 14.752 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.003 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

Tgt Ion:101 Resp: 170157
Ion Ratio Lower Upper
101 100
103 63.7 51.8 77.8





#10

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

Concen: 12.685 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

ClientSampleId :

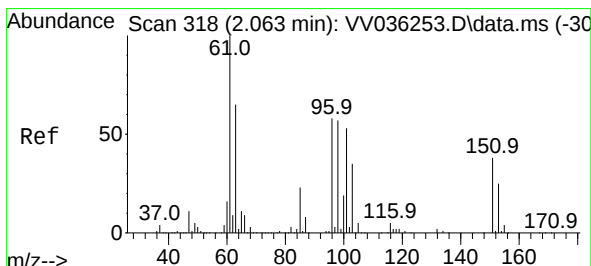
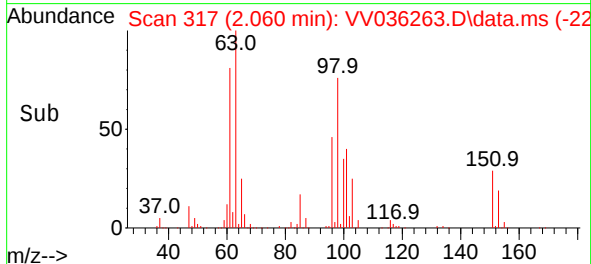
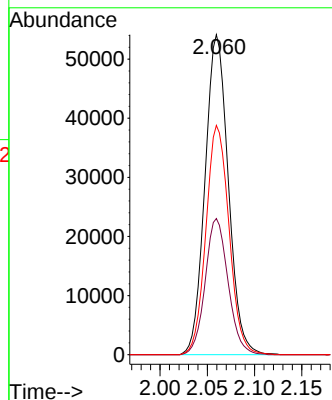
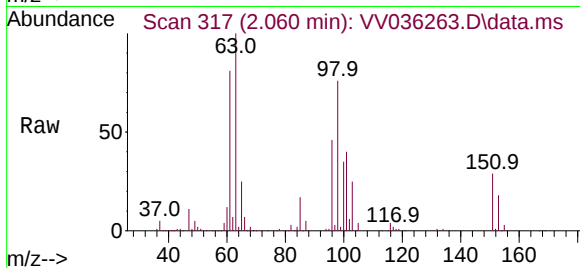
Tgt Ion:101 Resp: 92859

Ion Ratio Lower Upper

101 100

85 41.8 34.5 51.7

151 71.2 56.3 84.5



#12

1,1-Dichloroethene

Concen: 13.656 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

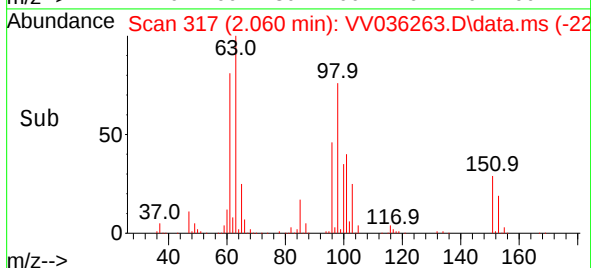
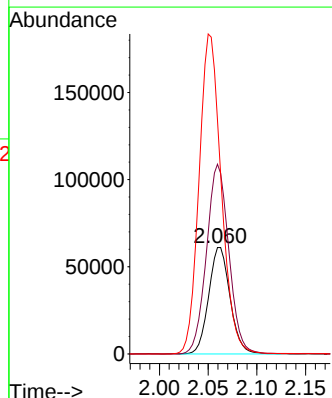
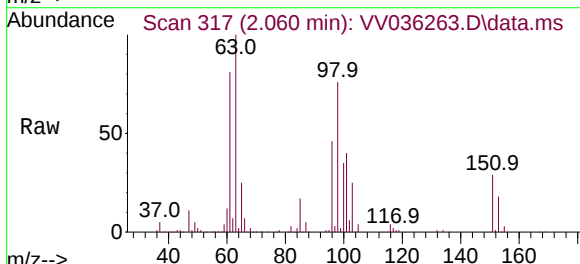
Tgt Ion: 96 Resp: 93236

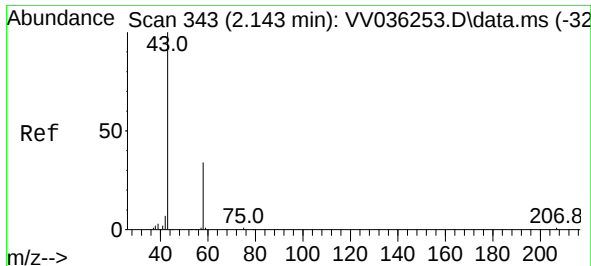
Ion Ratio Lower Upper

96 100

61 178.2 127.3 236.3

63 219.7 93.7 173.9#





#13

Acetone

Concen: 8.732 ug/L

RT: 2.156 min Scan# 343

Delta R.T. 0.013 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

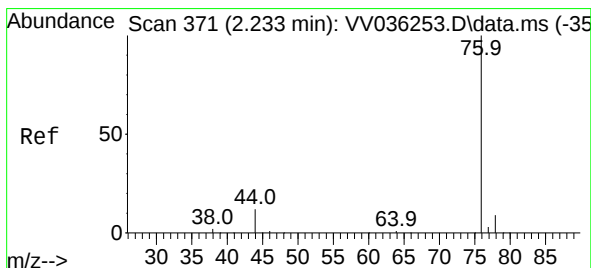
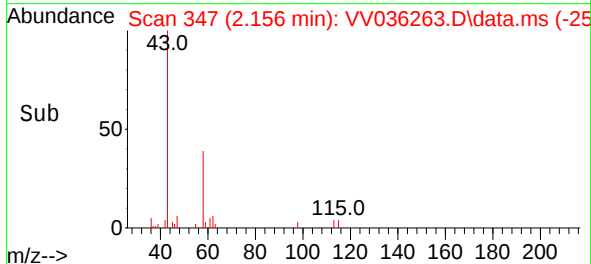
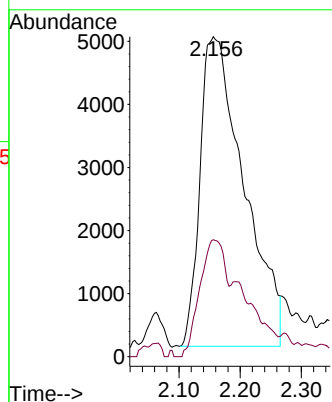
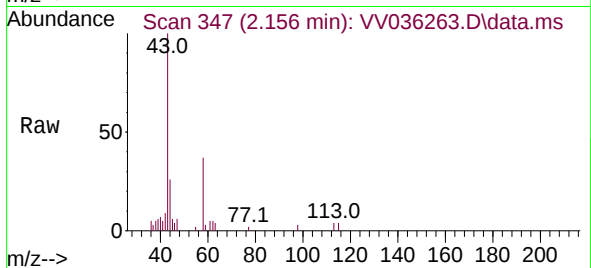
ClientSampleId :

Tgt Ion: 43 Resp: 24462

Ion Ratio Lower Upper

43 100

58 22.3 0.0 24.2



#14

Carbon disulfide

Concen: 9.017 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV036263.D

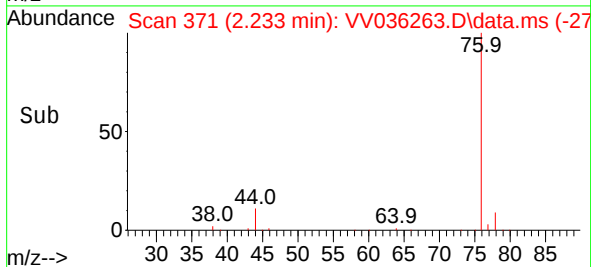
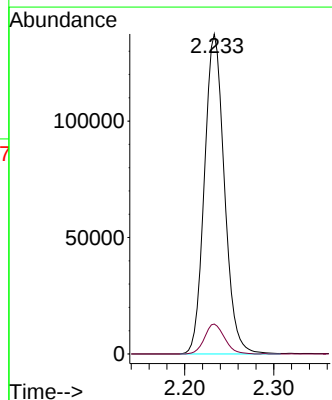
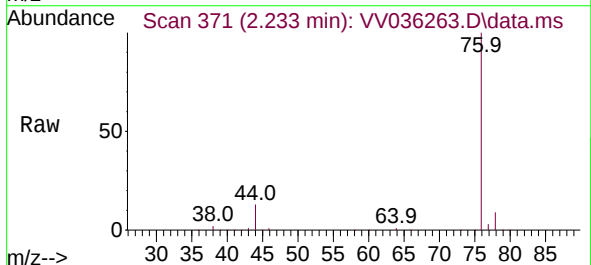
Acq: 24 Jun 2024 23:17

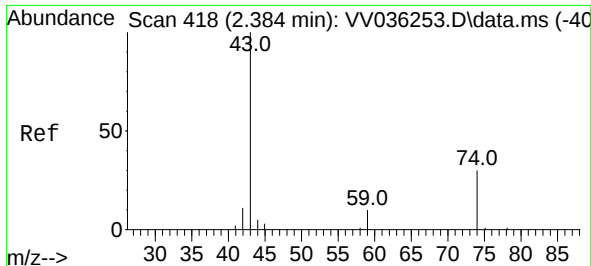
Tgt Ion: 76 Resp: 213801

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2





#15

Methyl Acetate

Concen: 6.361 ug/L

RT: 2.394 min Scan# 41

Delta R.T. 0.010 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

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MSVOA_V

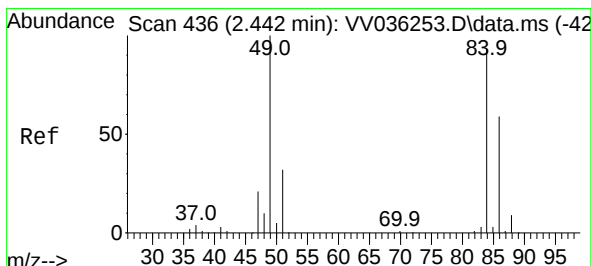
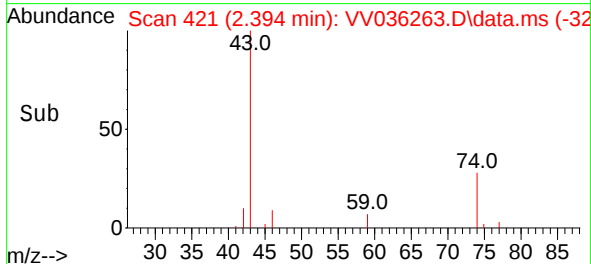
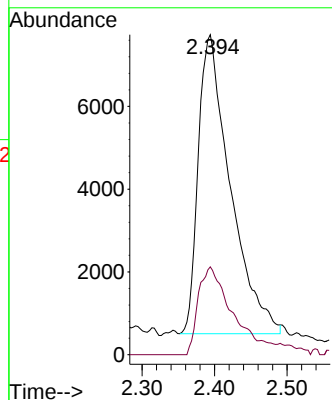
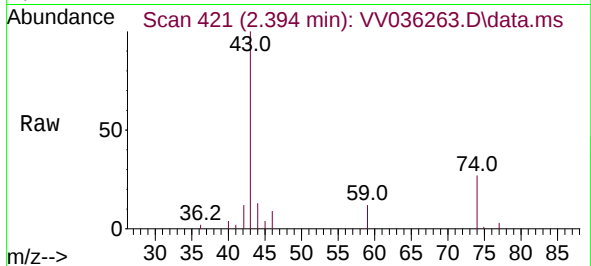
ClientSampleId :

Tgt Ion: 43 Resp: 22152

Ion Ratio Lower Upper

43 100

74 29.8 21.4 32.2



#16

Methylene chloride

Concen: 13.212 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

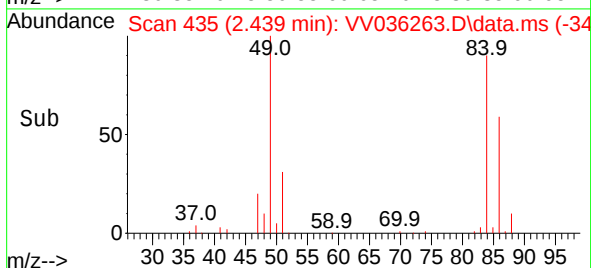
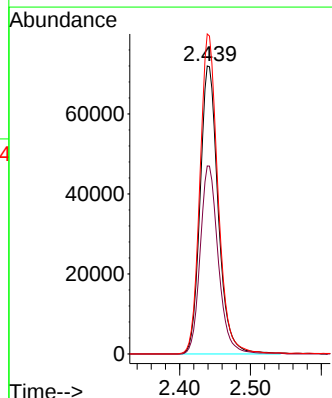
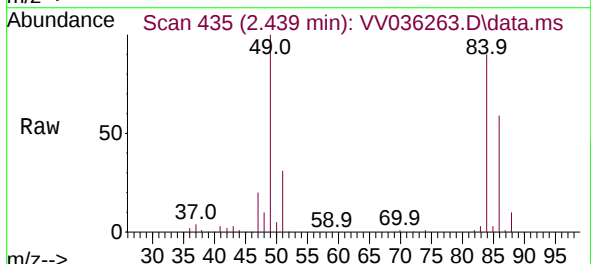
Tgt Ion: 84 Resp: 127468

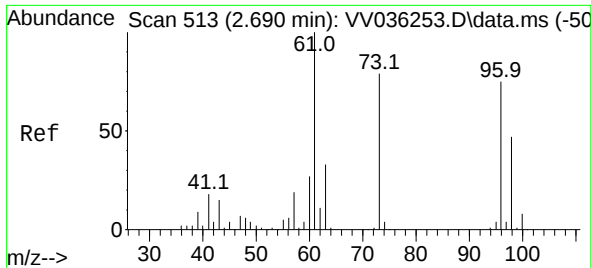
Ion Ratio Lower Upper

84 100

86 65.3 44.6 82.8

49 111.1 81.1 150.5





#17

trans-1,2-Dichloroethene

Concen: 11.418 ug/L

RT: 2.687 min Scan# 513

Delta R.T. -0.003 min

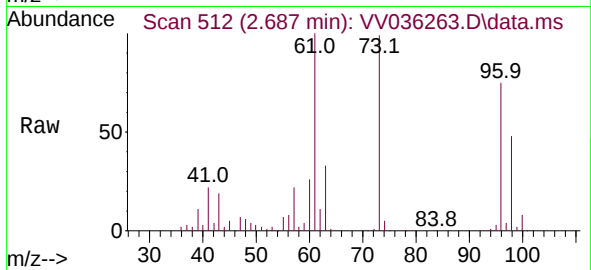
Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

ClientSampleId :



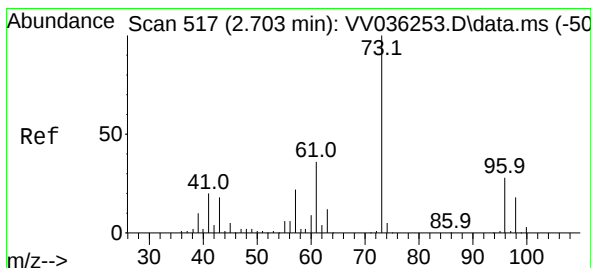
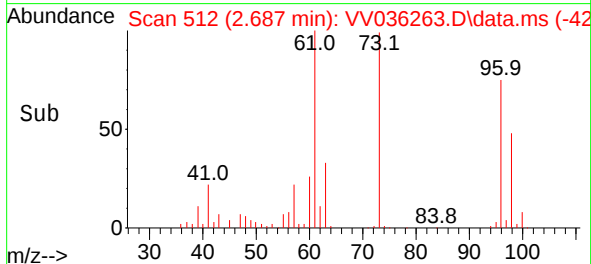
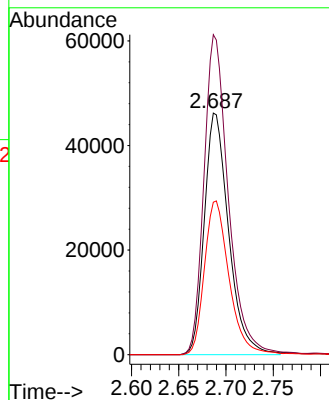
Tgt Ion: 96 Resp: 82812

Ion Ratio Lower Upper

96 100

61 132.5 99.4 184.6

98 63.1 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 14.765 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

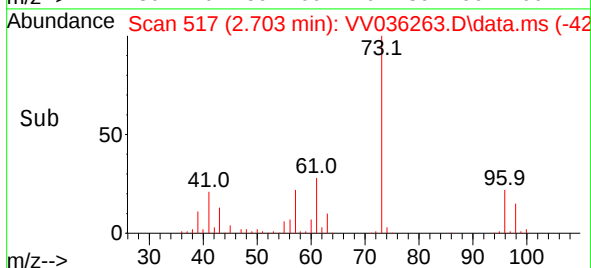
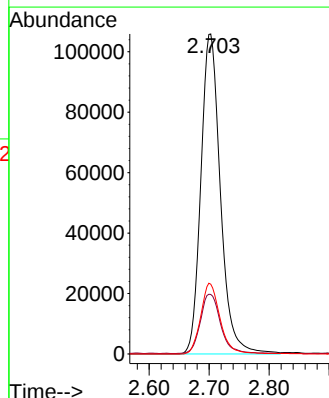
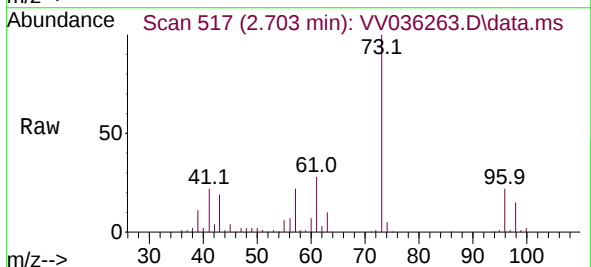
Tgt Ion: 73 Resp: 240405

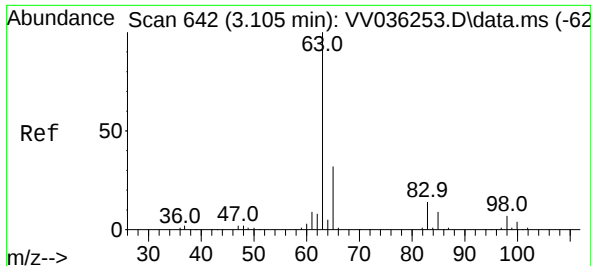
Ion Ratio Lower Upper

73 100

43 19.1 14.3 21.5

57 21.6 17.8 26.6





#19

1,1-Dichloroethane

Concen: 14.519 ug/L

RT: 3.105 min Scan# 642

Delta R.T. 0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

ClientSampleId :

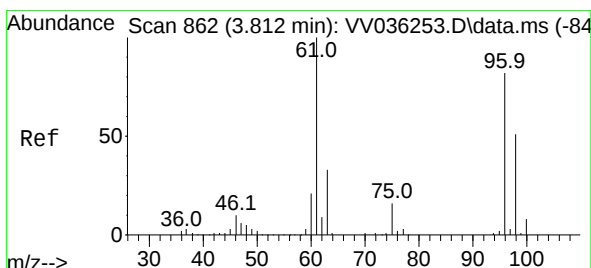
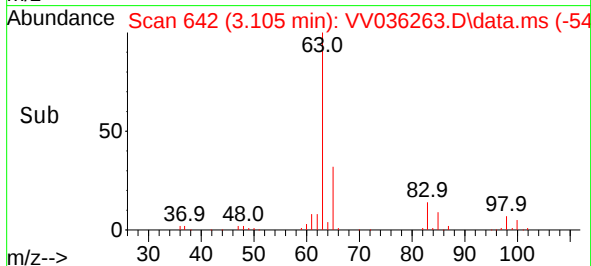
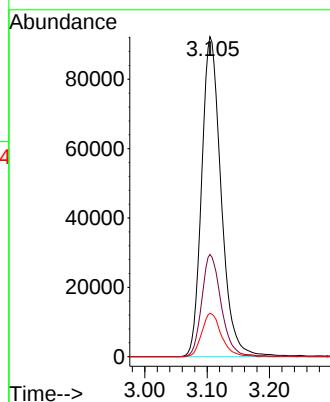
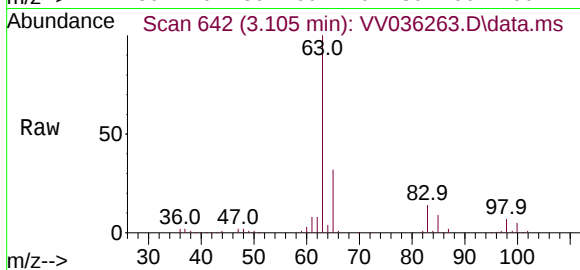
Tgt Ion: 63 Resp: 200536

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

83 13.5 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 12.454 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

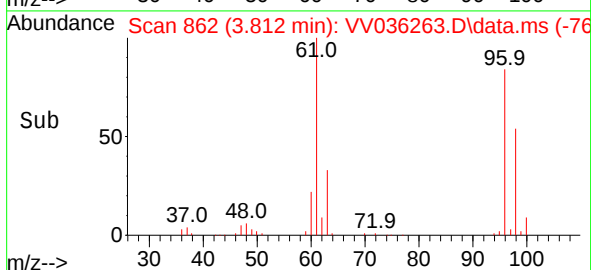
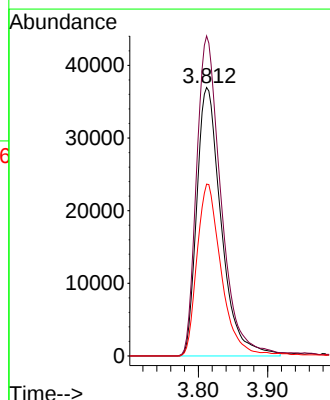
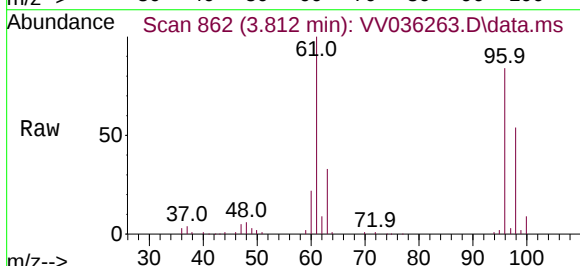
Tgt Ion: 96 Resp: 90759

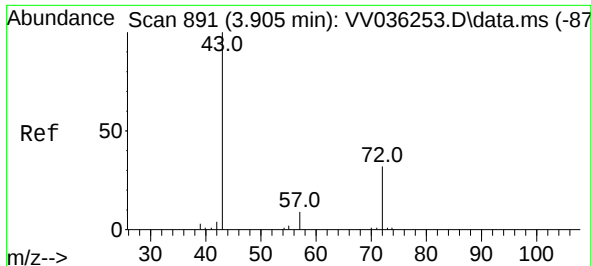
Ion Ratio Lower Upper

96 100

61 119.2 87.9 163.3

98 64.0 44.4 82.5





#22

2-Butanone

Concen: 7.949 ug/L

RT: 3.924 min Scan# 891

Delta R.T. 0.019 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

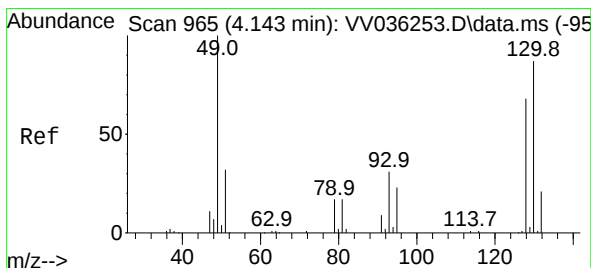
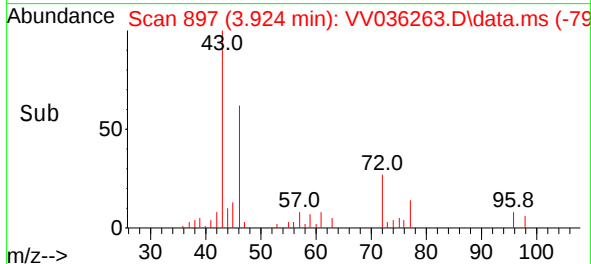
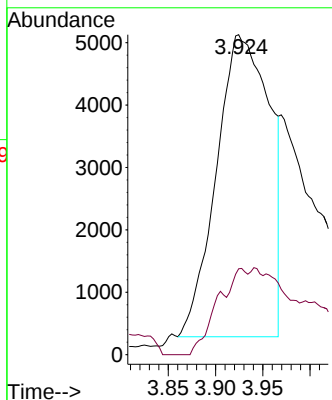
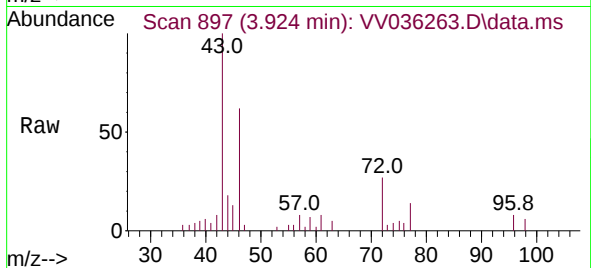
ClientSampleId :

Tgt Ion: 43 Resp: 18897

Ion Ratio Lower Upper

43 100

72 2.8 8.2 24.4#



#23

Bromochloromethane

Concen: 13.721 ug/L

RT: 4.143 min Scan# 965

Delta R.T. -0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Tgt Ion:128 Resp: 50158

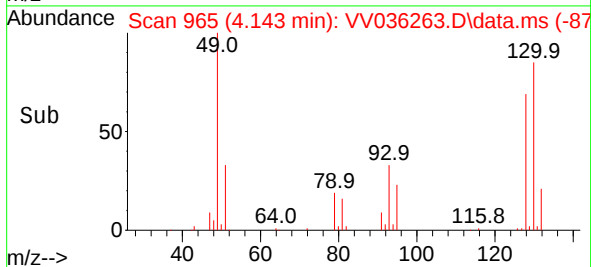
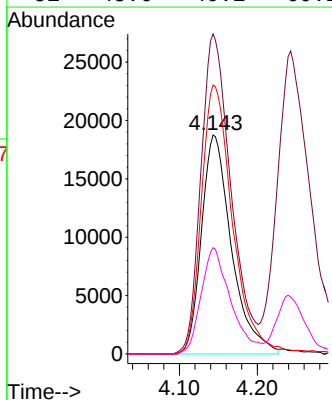
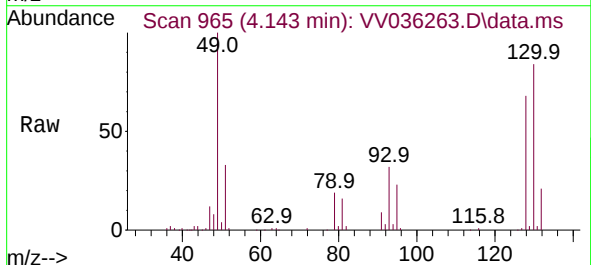
Ion Ratio Lower Upper

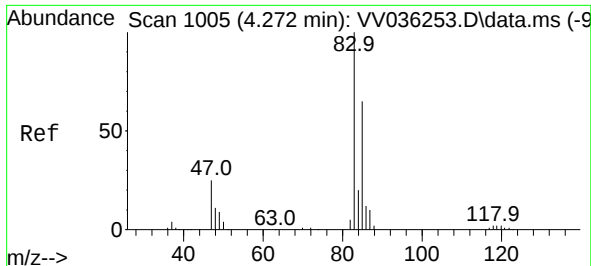
128 100

49 146.1 110.2 204.6

130 122.9 90.2 167.4

51 48.6 40.2 60.2





#25

Chloroform

Concen: 14.760 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

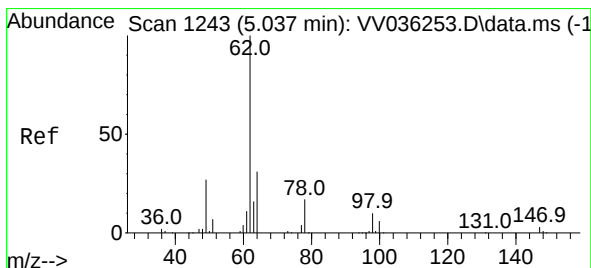
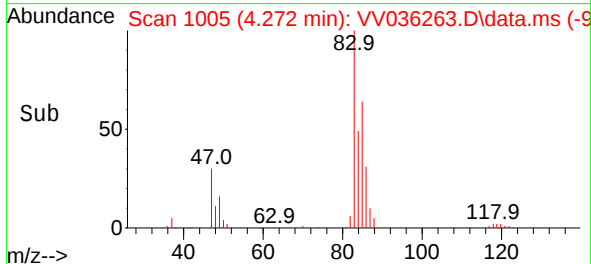
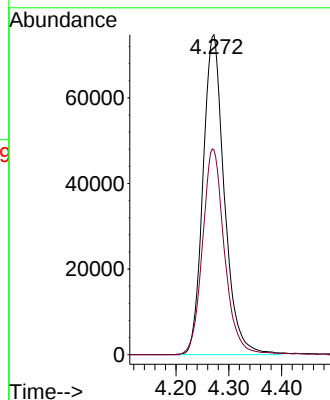
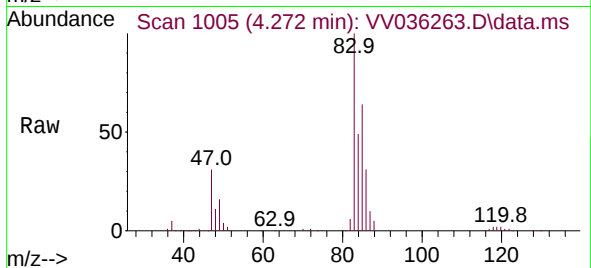
ClientSampleId :

Tgt Ion: 83 Resp: 209717

Ion Ratio Lower Upper

83 100

85 64.0 45.2 84.0



#27

1,2-Dichloroethane

Concen: 13.824 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV036263.D

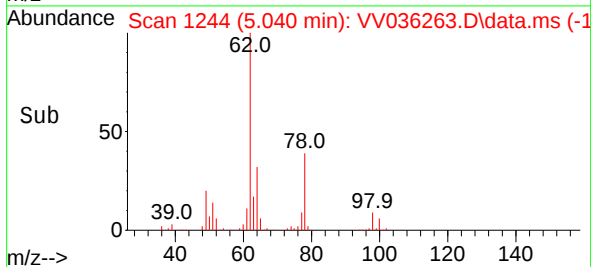
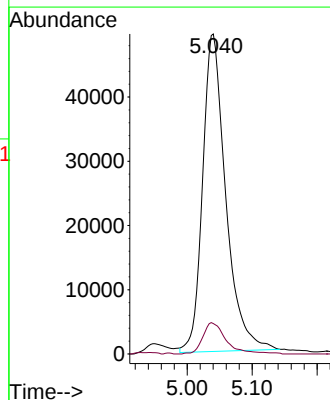
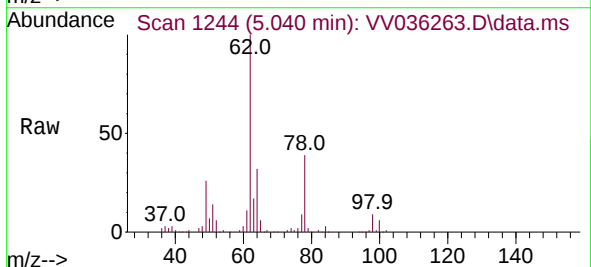
Acq: 24 Jun 2024 23:17

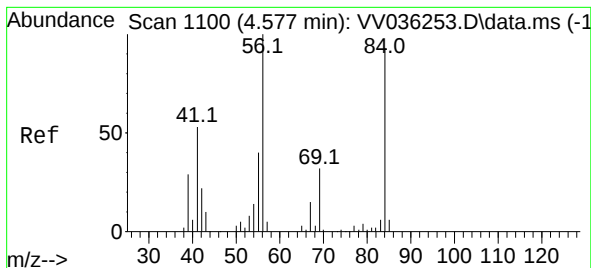
Tgt Ion: 62 Resp: 122622

Ion Ratio Lower Upper

62 100

98 9.5 7.8 11.6





#29

Cyclohexane

Concen: 10.343 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

ClientSampleId :

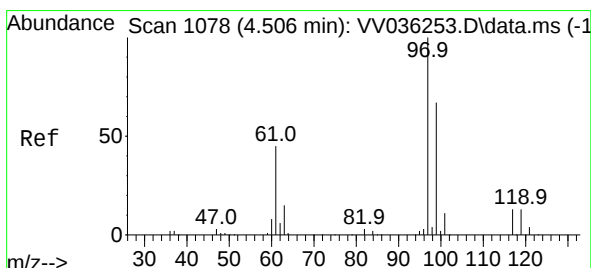
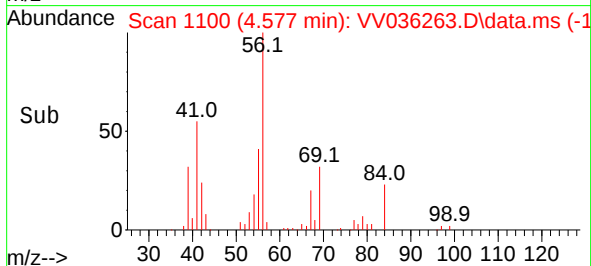
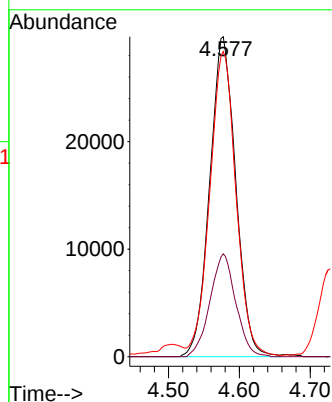
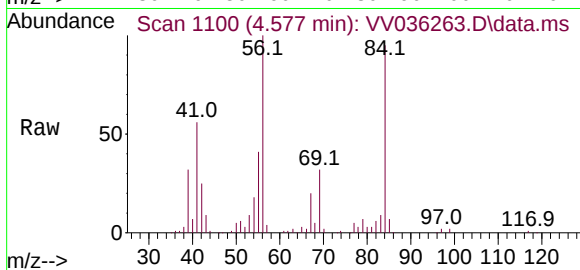
Tgt Ion: 56 Resp: 75820

Ion Ratio Lower Upper

56 100

69 31.8 25.2 37.8

84 95.1 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 19.126 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

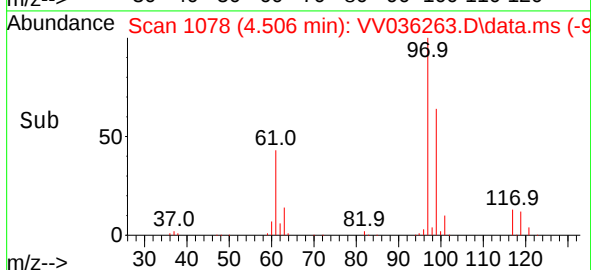
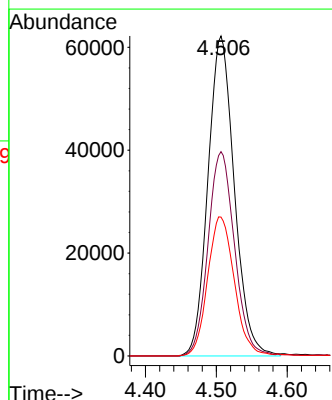
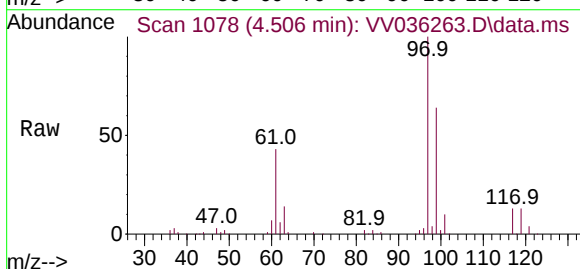
Tgt Ion: 97 Resp: 160985

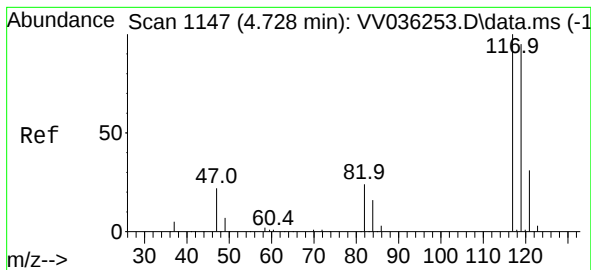
Ion Ratio Lower Upper

97 100

99 64.2 50.9 76.3

61 43.9 35.0 52.6





#31

Carbon tetrachloride

Concen: 17.508 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. -0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

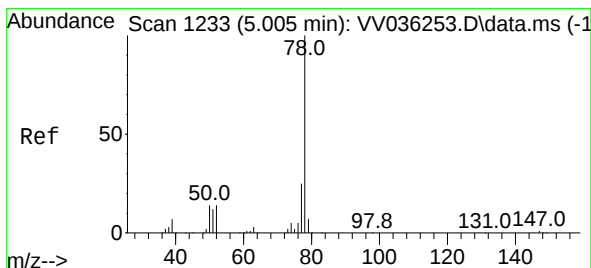
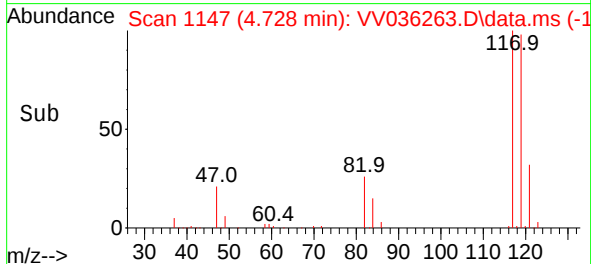
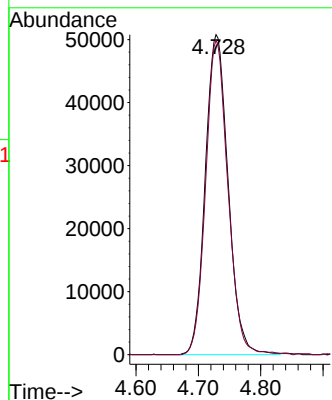
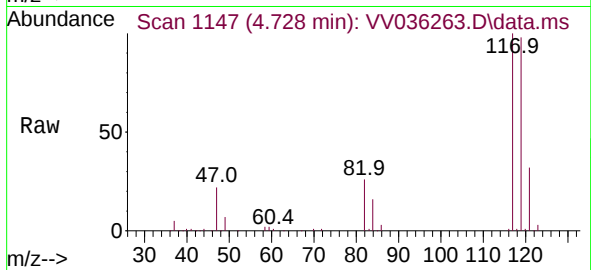
ClientSampleId :

Tgt Ion:117 Resp: 129283

Ion Ratio Lower Upper

117 100

119 95.3 76.8 115.2



#33

Benzene

Concen: 19.744 ug/L

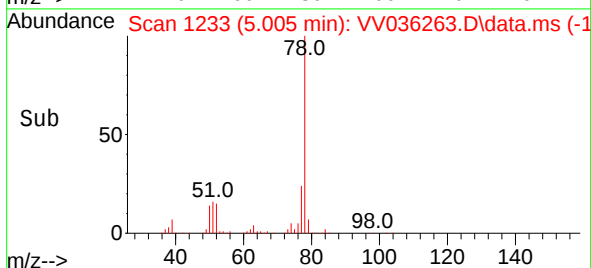
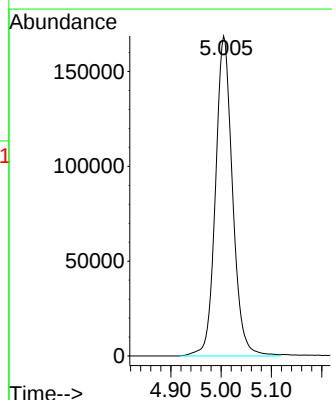
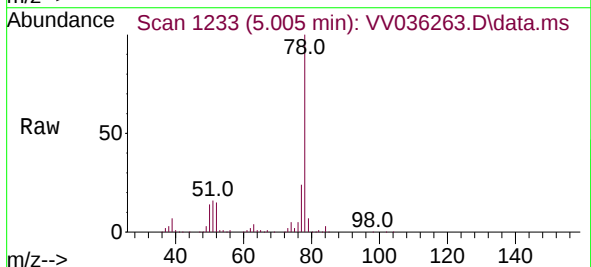
RT: 5.005 min Scan# 1233

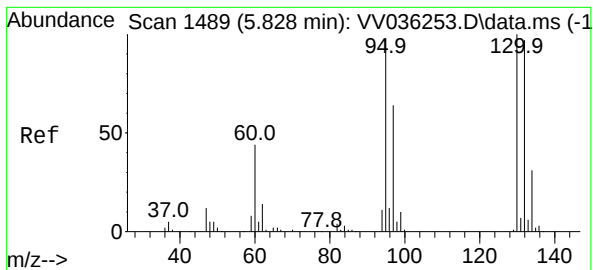
Delta R.T. -0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Tgt Ion: 78 Resp: 397584





#34

Trichloroethene

Concen: 14.654 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 90439

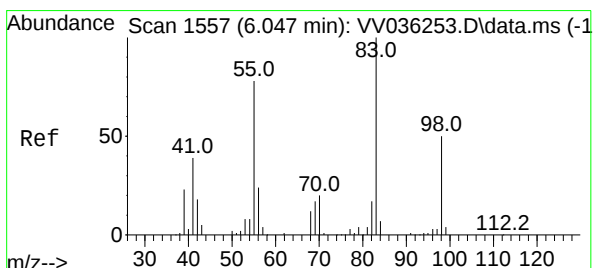
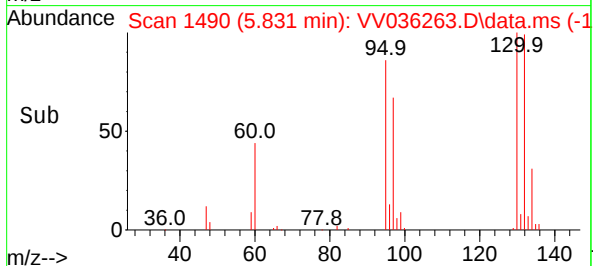
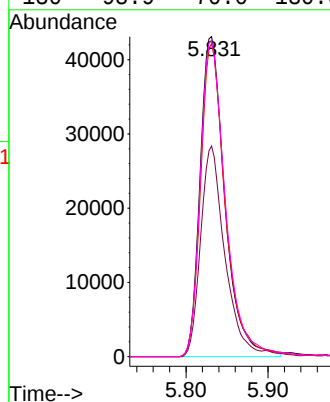
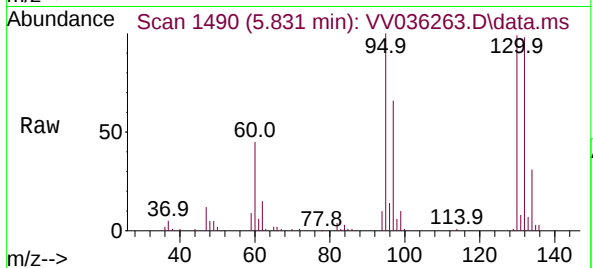
Ion Ratio Lower Upper

95 100

97 65.8 44.8 83.2

132 97.8 66.8 124.2

130 98.9 70.0 130.0



#35

Methylcyclohexane

Concen: 7.139 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

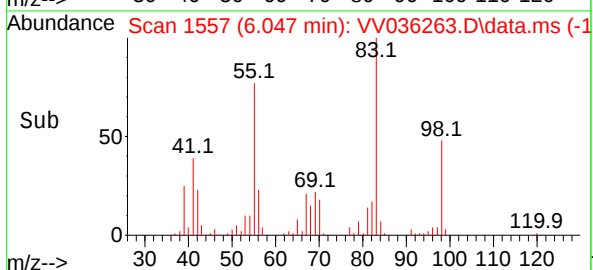
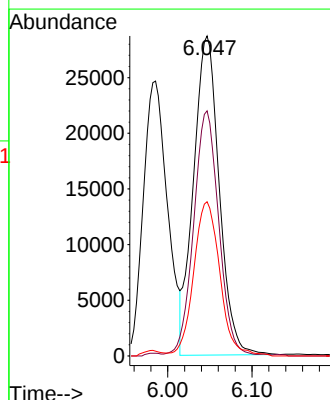
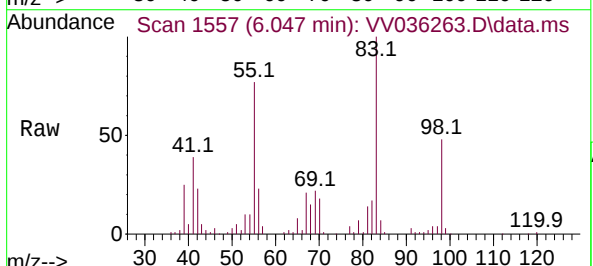
Tgt Ion: 83 Resp: 60927

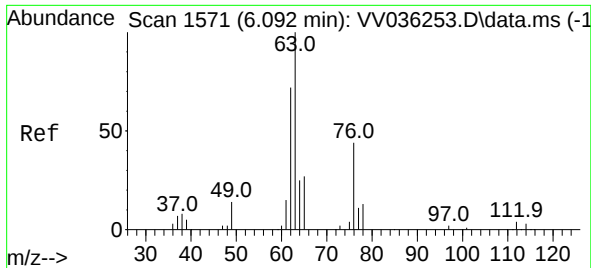
Ion Ratio Lower Upper

83 100

55 74.6 60.7 91.1

98 46.6 38.7 58.1

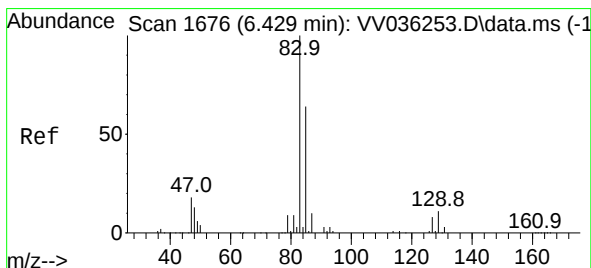
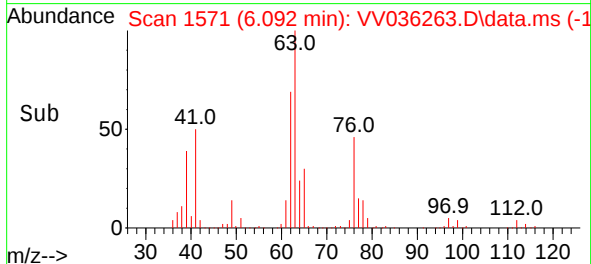
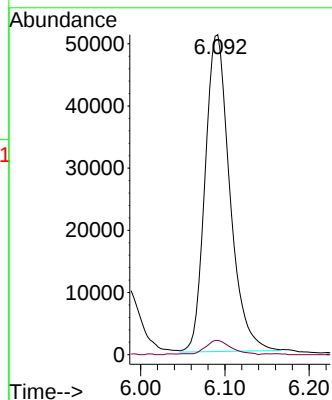
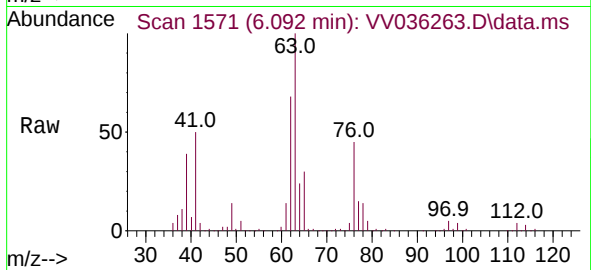




#37
1,2-Dichloropropane
Concen: 19.678 ug/L
RT: 6.092 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

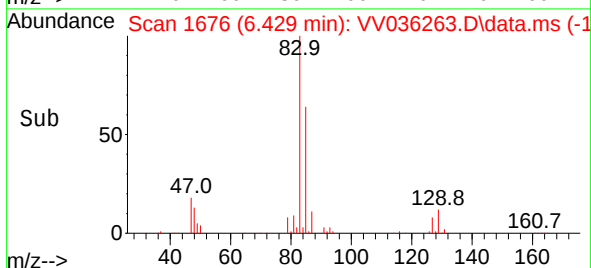
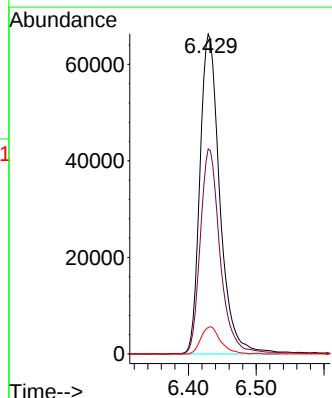
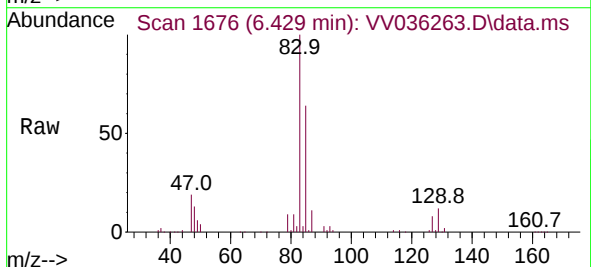
Instrument :
MSVOA_V
ClientSampleId :

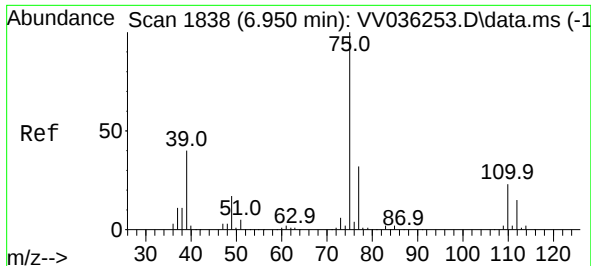
Tgt Ion: 63 Resp: 104044
Ion Ratio Lower Upper
63 100
112 4.7 3.5 5.3



#38
Bromodichloromethane
Concen: 19.310 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

Tgt Ion: 83 Resp: 135138
Ion Ratio Lower Upper
83 100
85 64.1 45.3 84.1
127 8.3 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 12.325 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

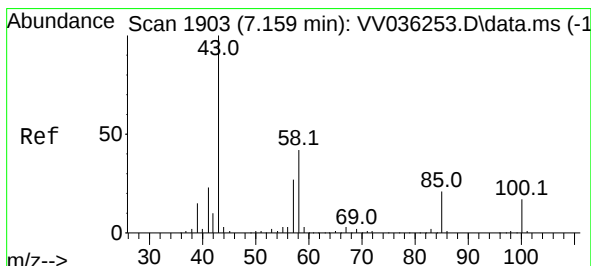
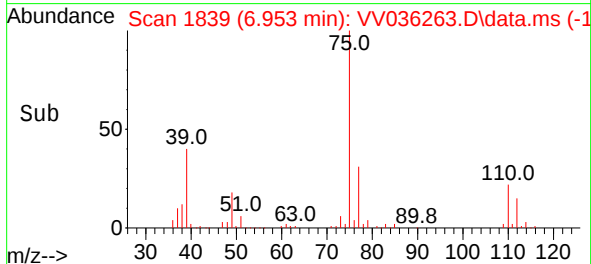
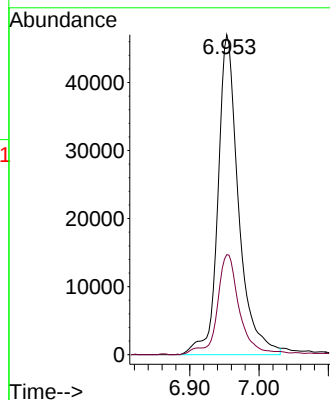
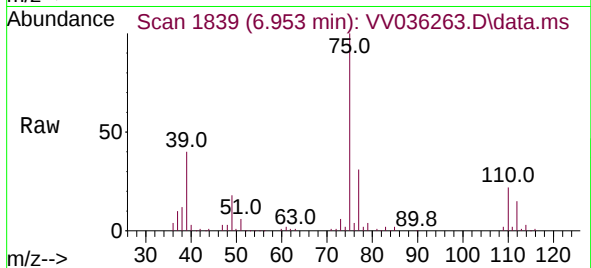
ClientSampleId :

Tgt Ion: 75 Resp: 97473

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 25.942 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

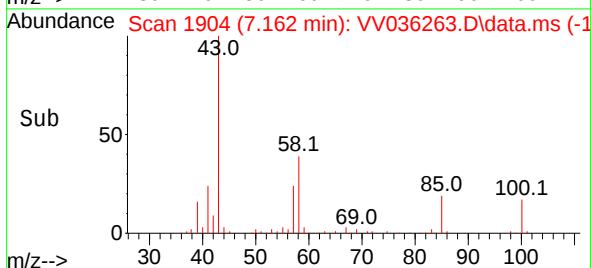
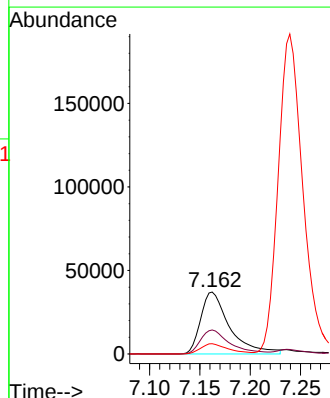
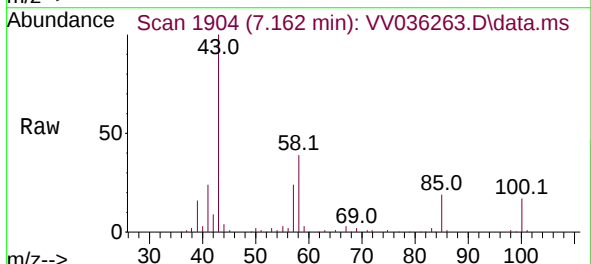
Tgt Ion: 43 Resp: 74524

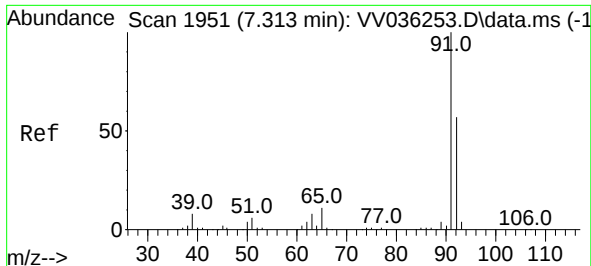
Ion Ratio Lower Upper

43 100

58 39.3 32.5 48.7

100 15.7 12.5 18.7





#42

Toluene

Concen: 17.025 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

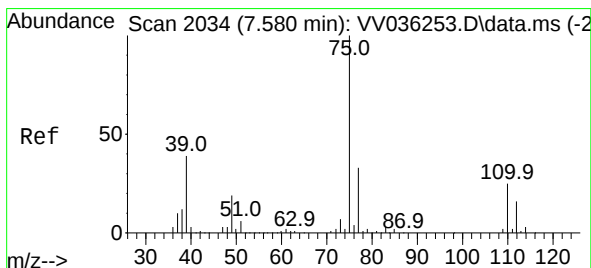
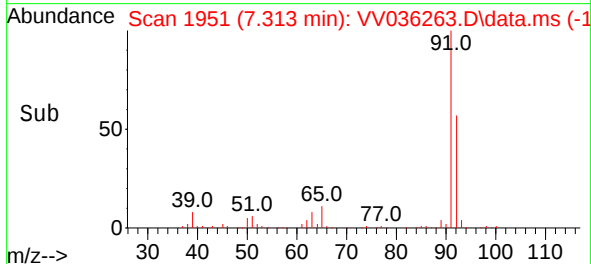
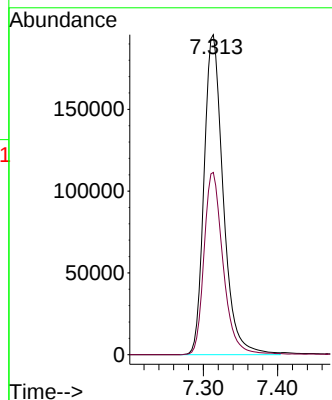
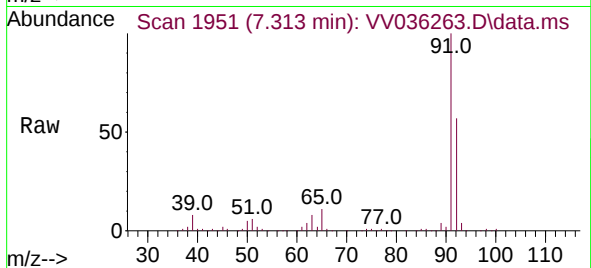
ClientSampleId :

Tgt Ion: 91 Resp: 350307

Ion Ratio Lower Upper

91 100

92 57.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 12.155 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV036263.D

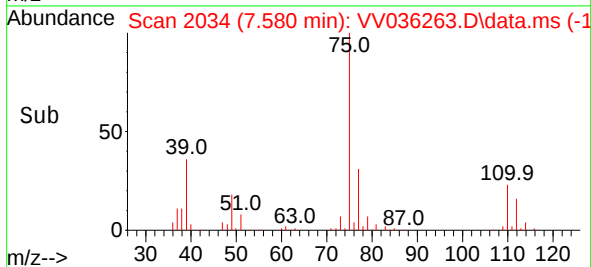
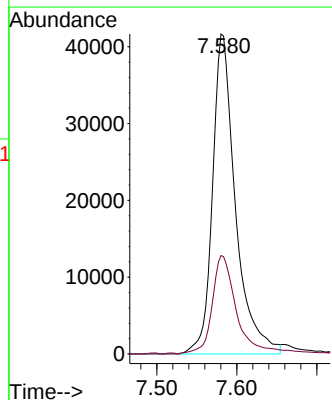
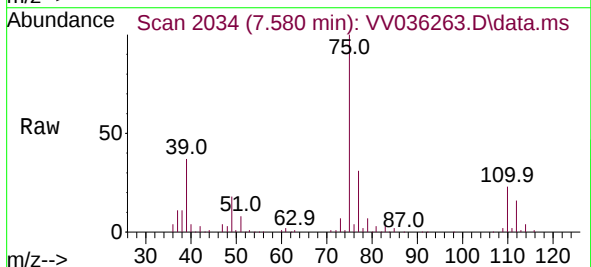
Acq: 24 Jun 2024 23:17

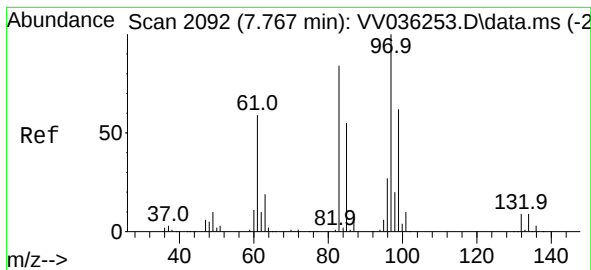
Tgt Ion: 75 Resp: 83032

Ion Ratio Lower Upper

75 100

77 30.8 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 18.305 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 80085

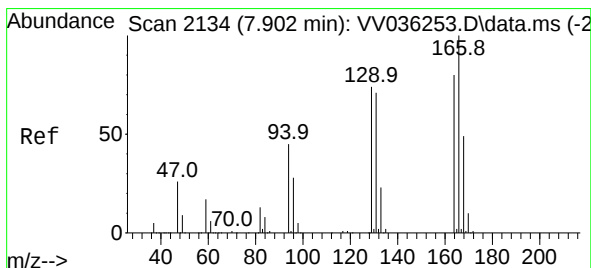
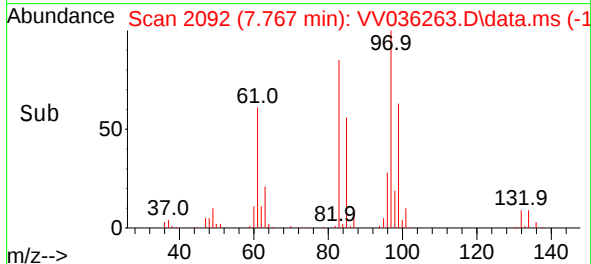
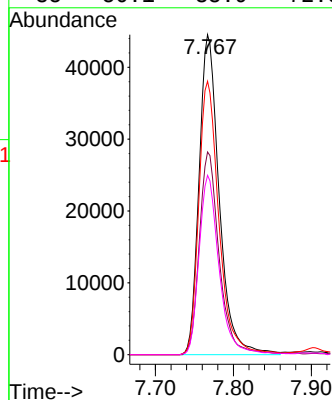
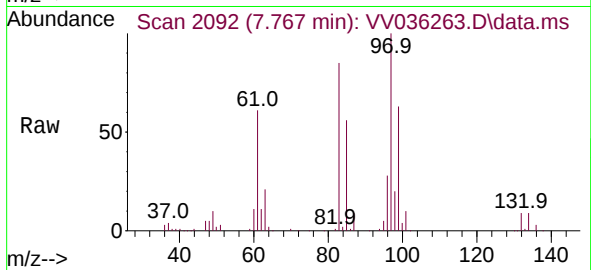
Ion Ratio Lower Upper

97 100

99 63.3 43.3 80.5

83 85.4 60.1 111.7

85 56.1 38.9 72.3



#46

Tetrachloroethene

Concen: 11.878 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Tgt Ion:164 Resp: 53612

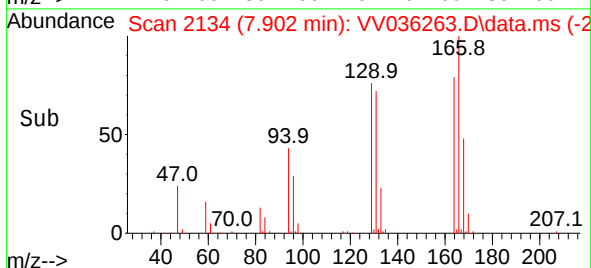
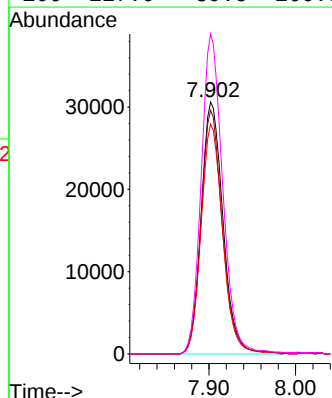
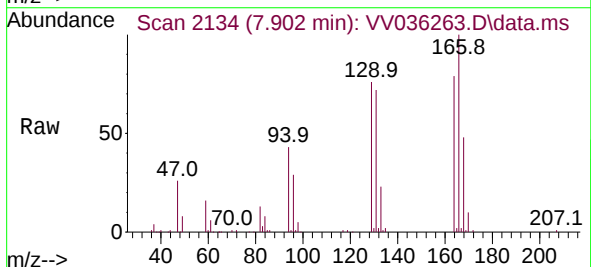
Ion Ratio Lower Upper

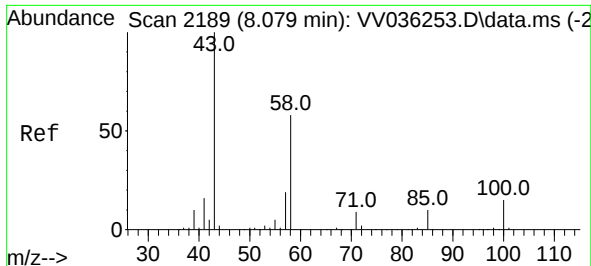
164 100

129 96.7 64.6 120.0

131 91.2 63.2 117.4

166 127.0 89.5 166.3





#48

2-Hexanone

Concen: 16.842 ug/L

RT: 8.085 min Scan# 2189

Delta R.T. 0.006 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 37824

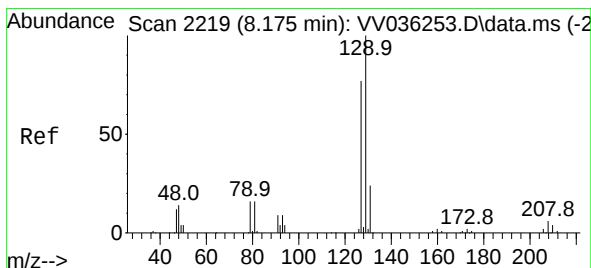
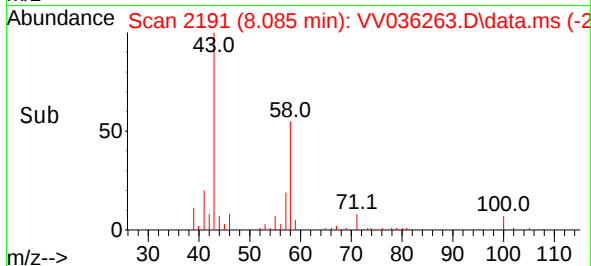
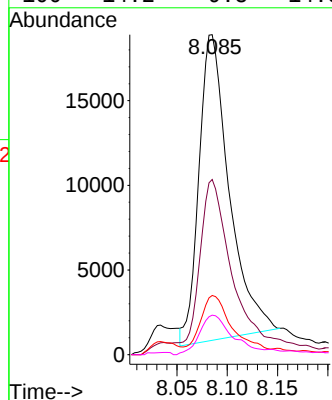
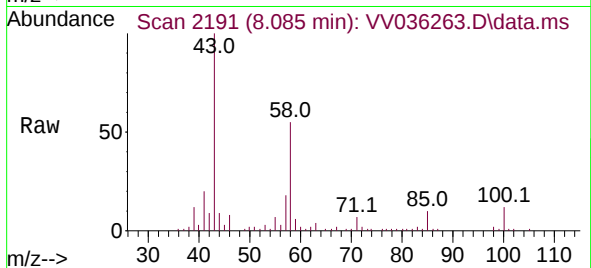
Ion Ratio Lower Upper

43 100

58 58.3 45.4 68.0

57 18.2 15.8 23.8

100 14.2 9.8 14.8



#49

Dibromochloromethane

Concen: 16.913 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.000 min

Lab File: VV036263.D

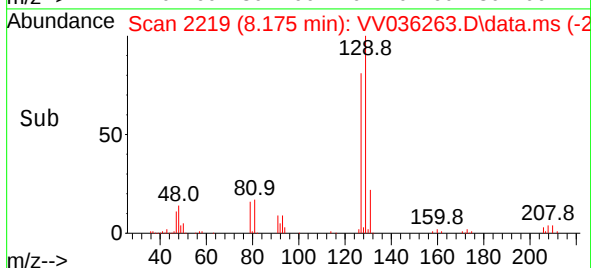
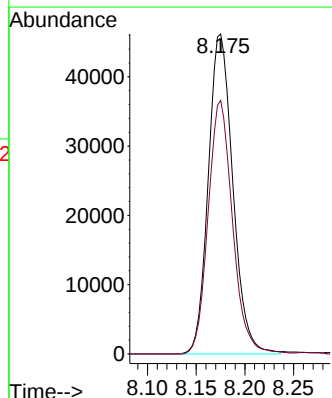
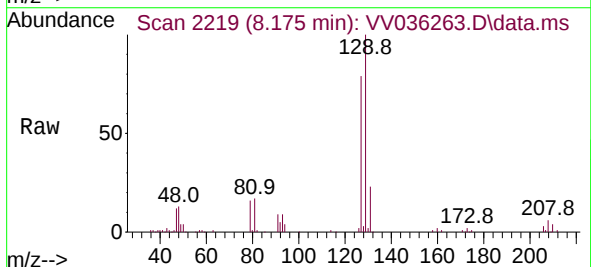
Acq: 24 Jun 2024 23:17

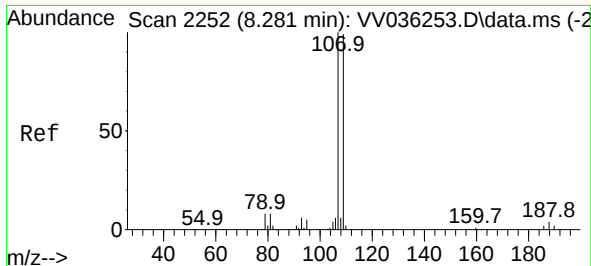
Tgt Ion:129 Resp: 80981

Ion Ratio Lower Upper

129 100

127 79.3 53.9 100.1

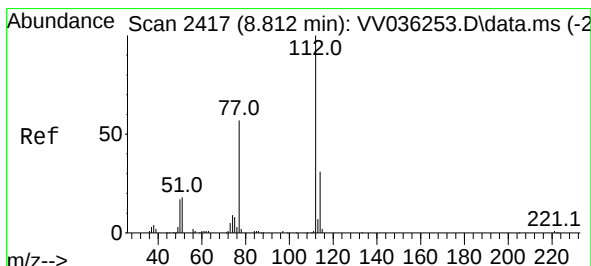
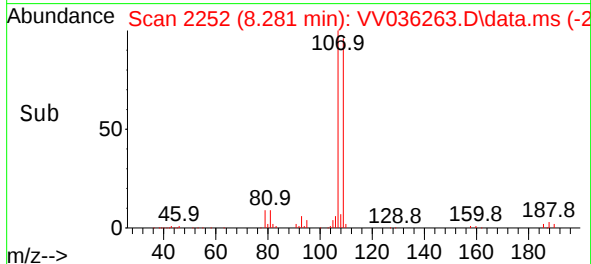
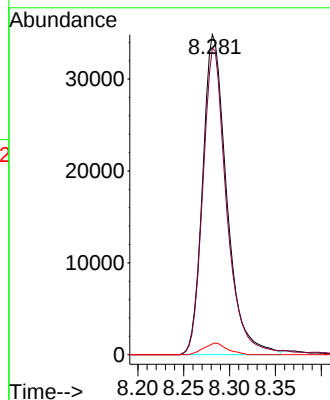
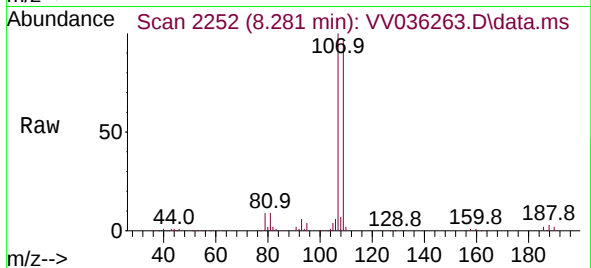




#50
1,2-Dibromoethane
Concen: 15.168 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

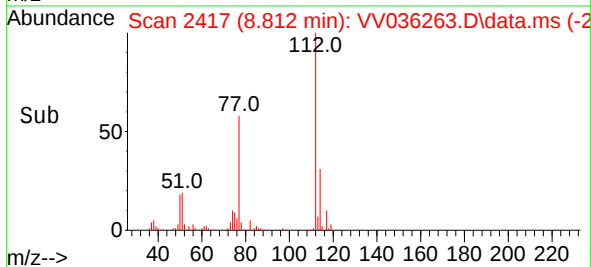
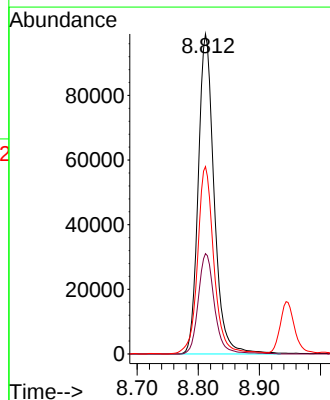
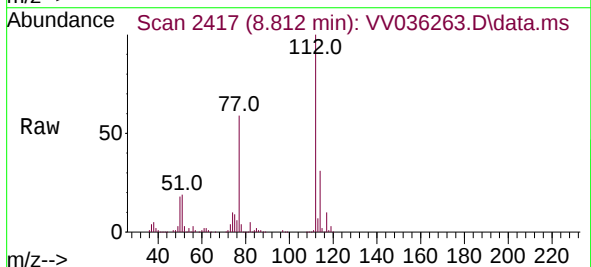
Instrument :
MSVOA_V
ClientSampleId :

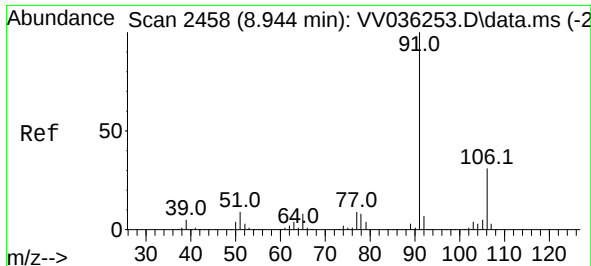
Tgt Ion:107 Resp: 63673
Ion Ratio Lower Upper
107 100
109 95.8 66.1 122.7
188 3.4 3.0 4.6



#51
Chlorobenzene
Concen: 12.737 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.000 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

Tgt Ion:112 Resp: 178565
Ion Ratio Lower Upper
112 100
114 31.4 22.3 41.5
77 58.6 47.3 70.9

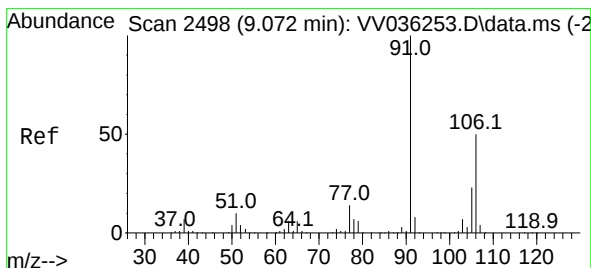
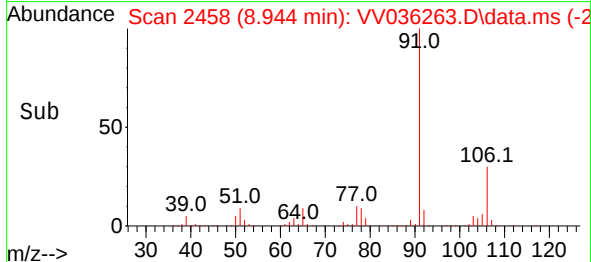
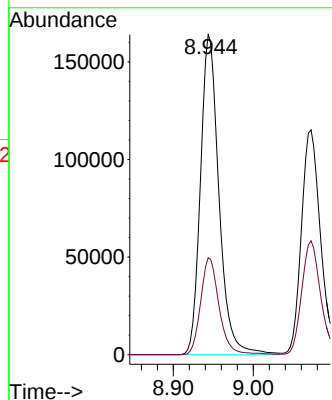
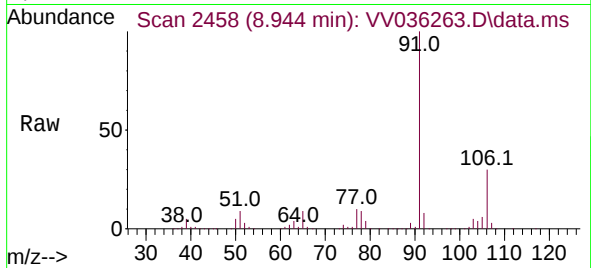




#52
Ethylbenzene
Concen: 12.017 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. -0.000 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

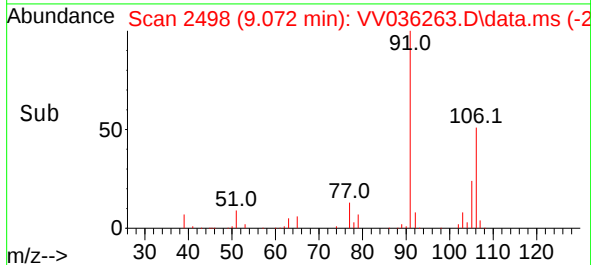
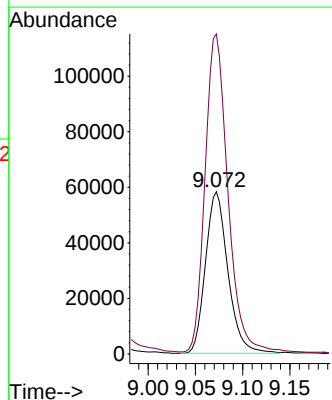
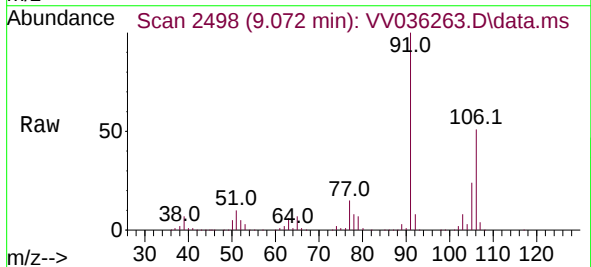
Instrument :
MSVOA_V
ClientSampleId :

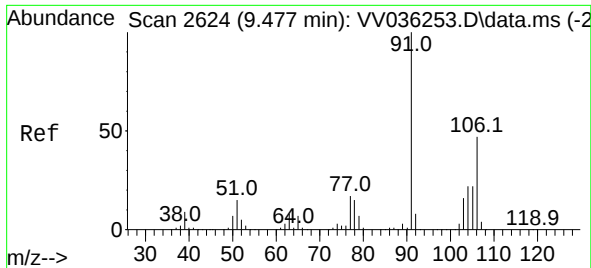
Tgt Ion: 91 Resp: 264556
Ion Ratio Lower Upper
91 100
106 30.3 21.6 40.0



#53
m,p-Xylene
Concen: 11.607 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

Tgt Ion:106 Resp: 96007
Ion Ratio Lower Upper
106 100
91 197.3 143.1 265.9

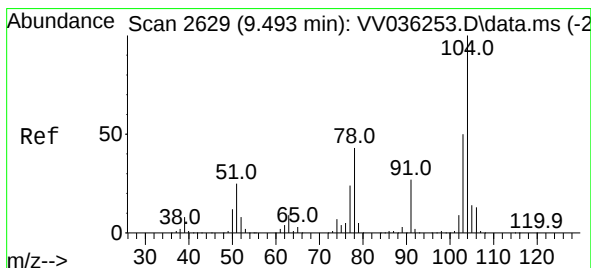
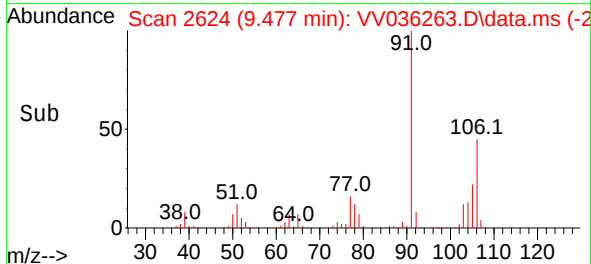
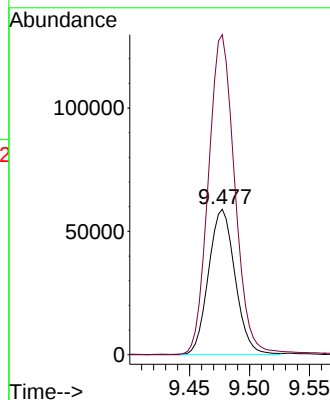
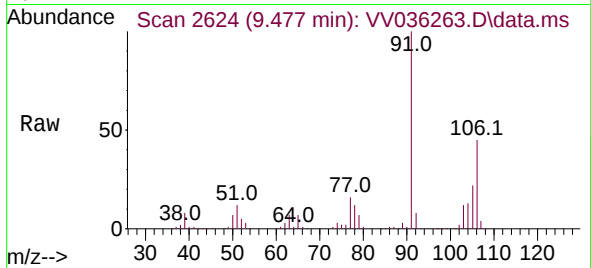




#54
o-Xylene
Concen: 11.671 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

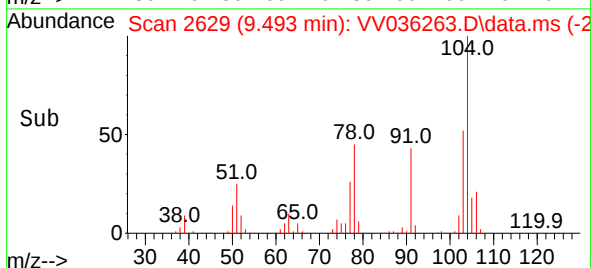
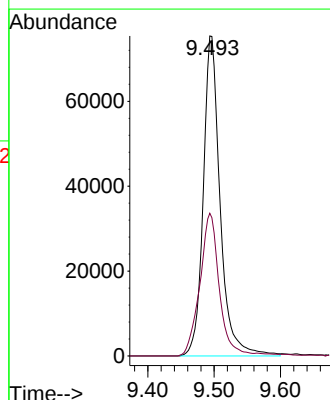
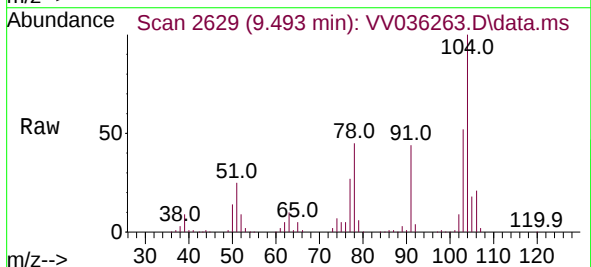
Instrument :
MSVOA_V
ClientSampleId :

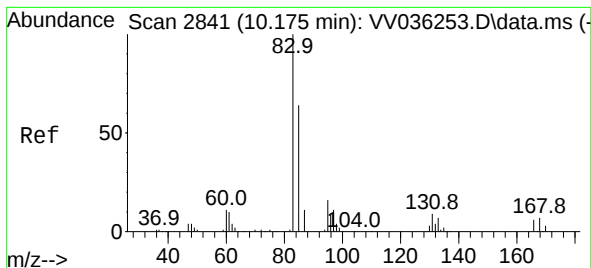
Tgt Ion:106 Resp: 91042
Ion Ratio Lower Upper
106 100
91 220.0 154.5 286.9



#55
Styrene
Concen: 9.723 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

Tgt Ion:104 Resp: 133743
Ion Ratio Lower Upper
104 100
78 44.6 31.4 58.2

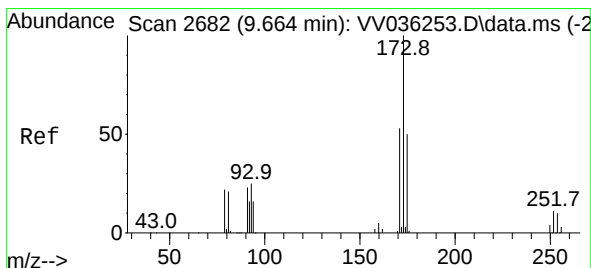
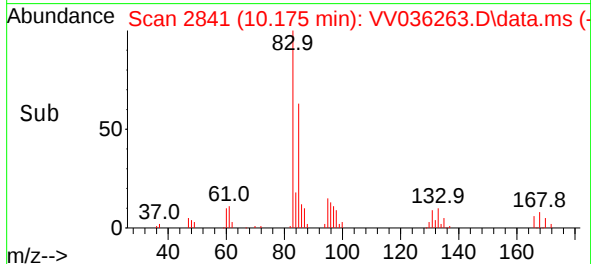
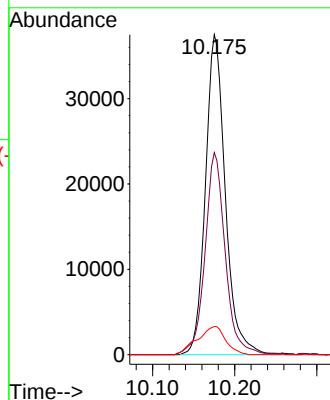
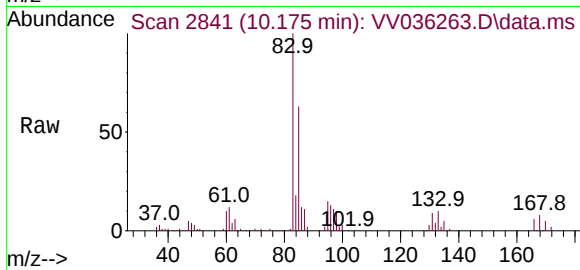




#57
1,1,2,2-Tetrachloroethane
Concen: 16.101 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

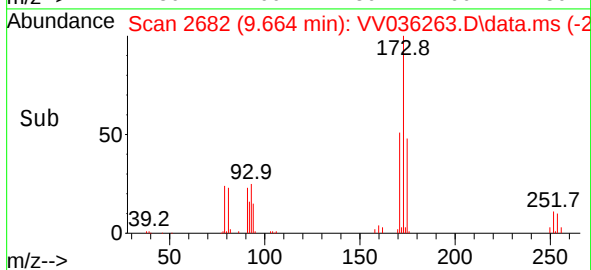
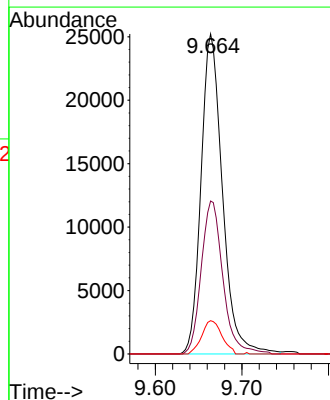
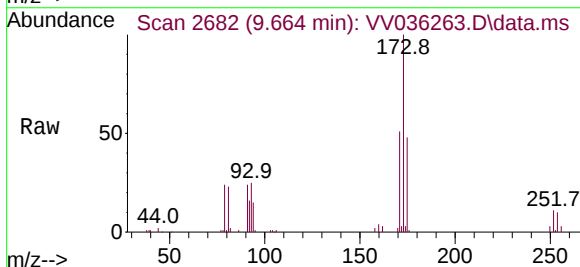
Instrument :
MSVOA_V
ClientSampleId :

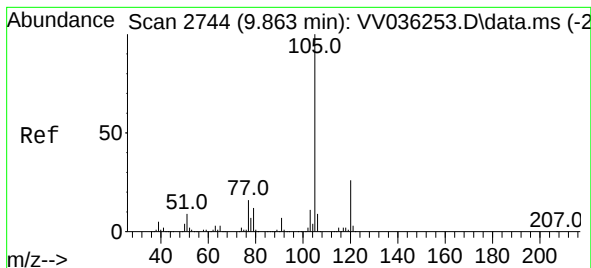
Tgt Ion: 83 Resp: 63072
Ion Ratio Lower Upper
83 100
85 63.1 45.1 83.7
131 8.8 7.6 11.4



#59
Bromoform
Concen: 27.907 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

Tgt Ion: 173 Resp: 43311
Ion Ratio Lower Upper
173 100
175 48.3 39.0 58.6
254 9.8 8.6 13.0





#60

Isopropylbenzene

Concen: 18.296 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

ClientSampleId :

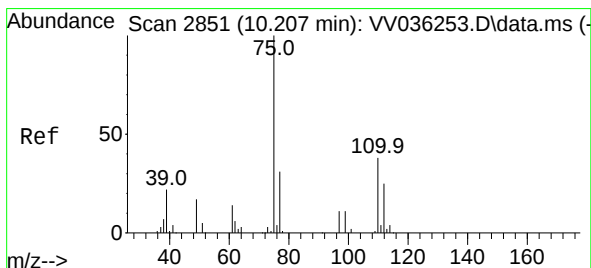
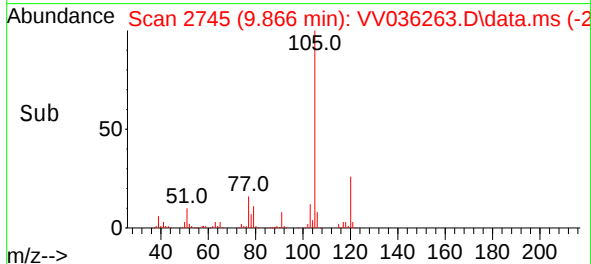
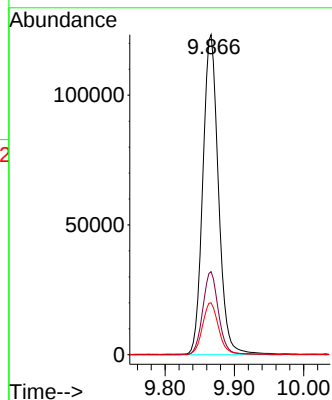
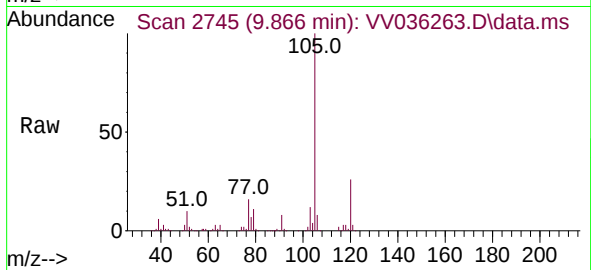
Tgt Ion:105 Resp: 193165

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.6

77 16.2 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 29.550 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

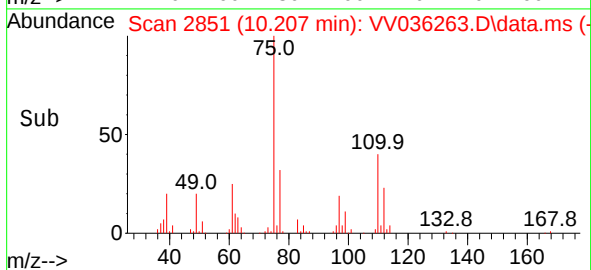
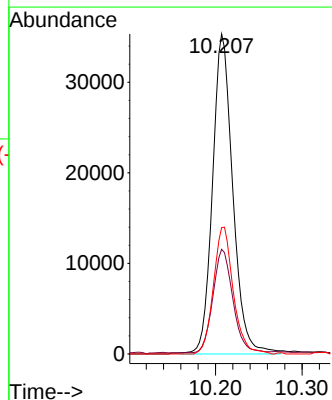
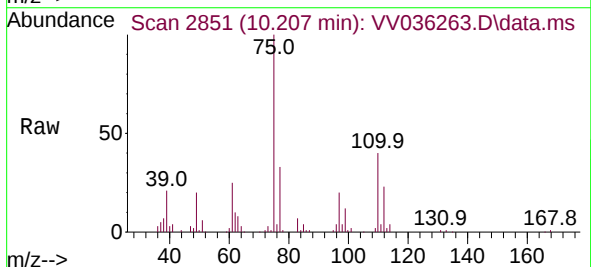
Tgt Ion: 75 Resp: 57513

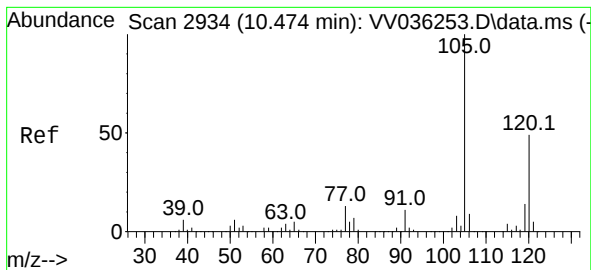
Ion Ratio Lower Upper

75 100

77 31.3 26.0 39.0

110 38.7 32.2 48.4

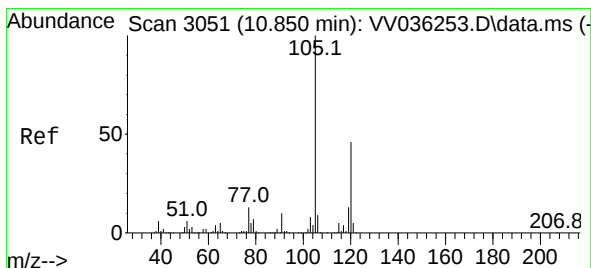
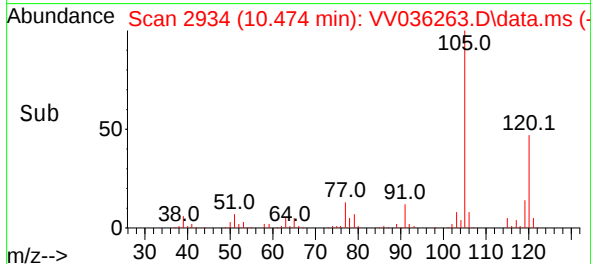
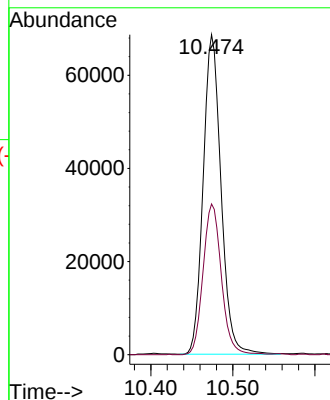
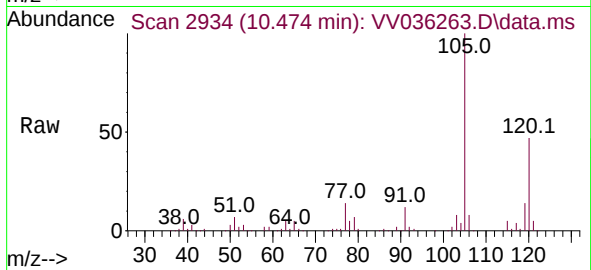




#62
1,3,5-Trimethylbenzene
Concen: 13.552 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. -0.000 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

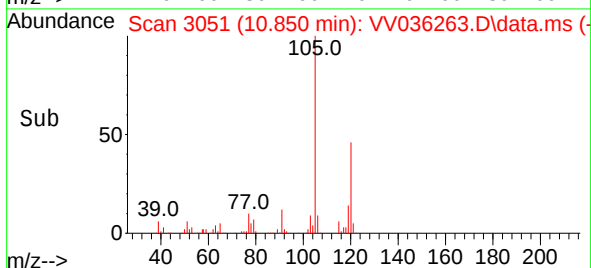
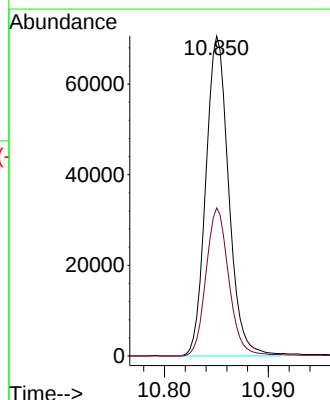
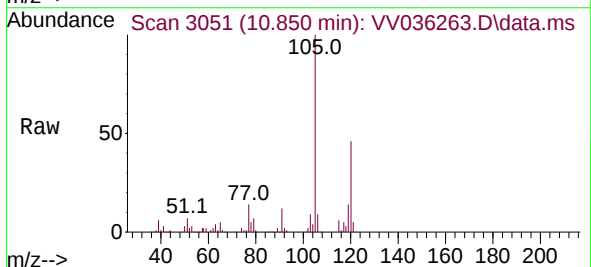
Instrument :
MSVOA_V
ClientSampleId :

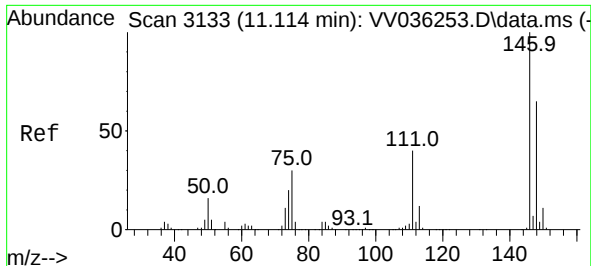
Tgt Ion:105 Resp: 103753
Ion Ratio Lower Upper
105 100
120 48.4 38.6 58.0



#63
1,2,4-Trimethylbenzene
Concen: 13.082 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VV036263.D
Acq: 24 Jun 2024 23:17

Tgt Ion:105 Resp: 107911
Ion Ratio Lower Upper
105 100
120 46.0 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 12.703 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

ClientSampleId :

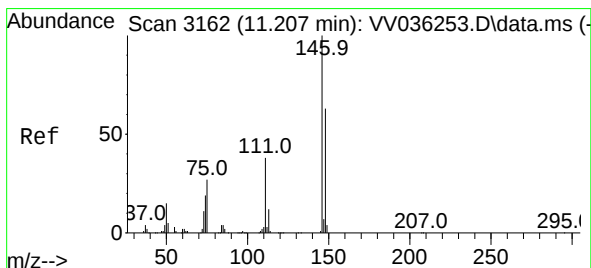
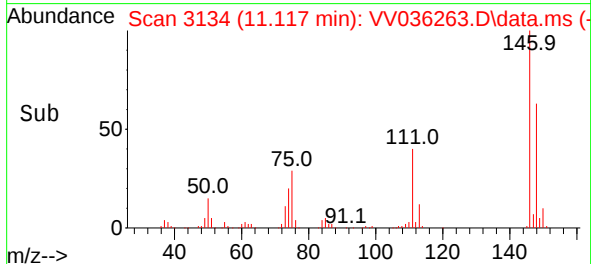
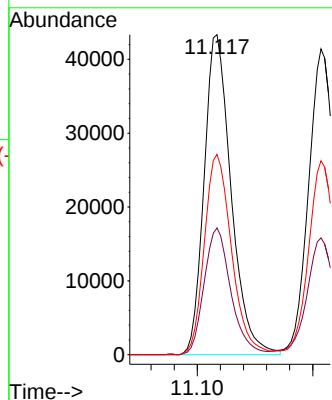
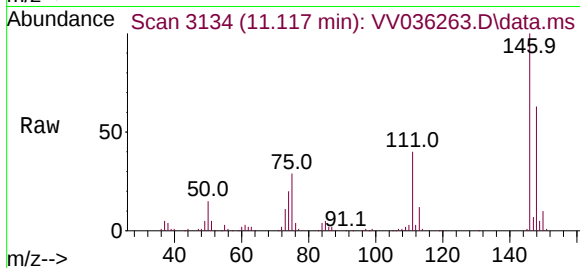
Tgt Ion:146 Resp: 70434

Ion Ratio Lower Upper

146 100

111 39.6 28.1 52.1

148 62.6 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 12.237 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

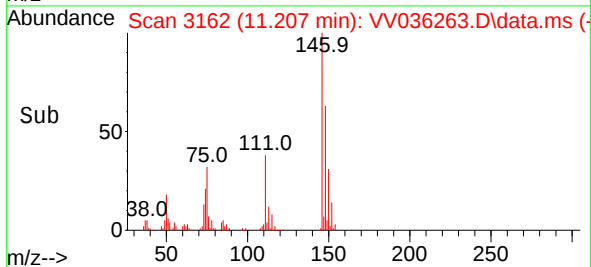
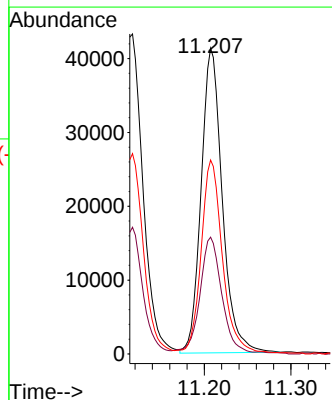
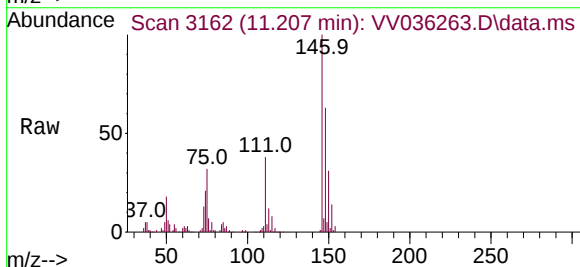
Tgt Ion:146 Resp: 70034

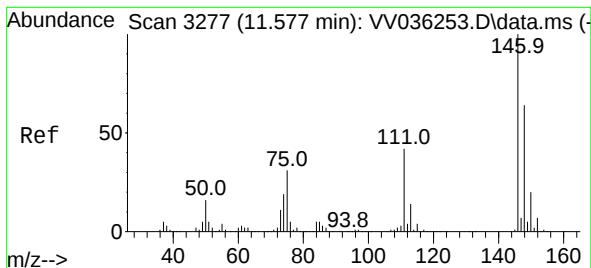
Ion Ratio Lower Upper

146 100

111 38.2 26.9 50.1

148 63.4 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 12.556 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

ClientSampleId :

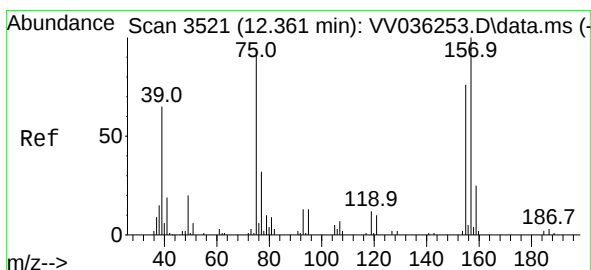
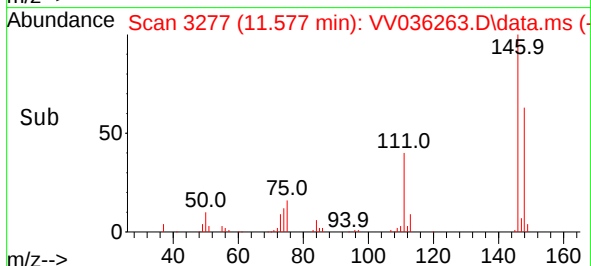
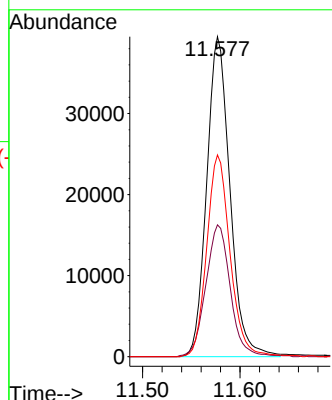
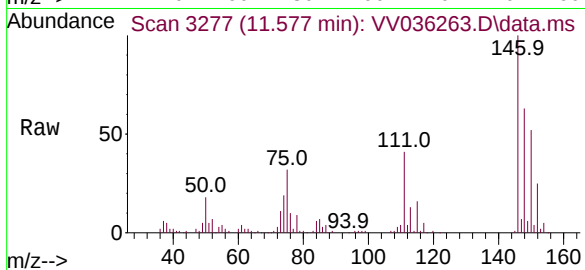
Tgt Ion:146 Resp: 65514

Ion Ratio Lower Upper

146 100

111 41.2 33.5 50.3

148 63.1 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 20.550 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

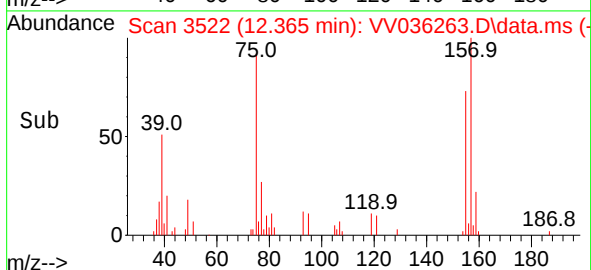
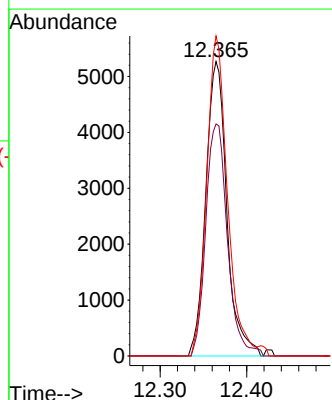
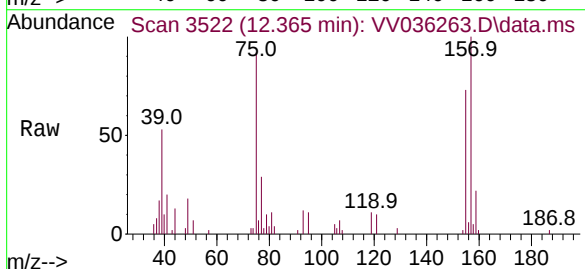
Tgt Ion: 75 Resp: 8944

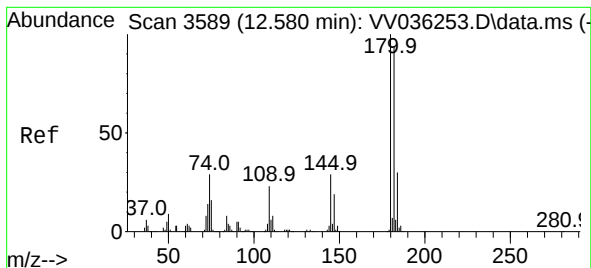
Ion Ratio Lower Upper

75 100

155 78.8 63.3 94.9

157 108.7 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 5.892 ug/L

RT: 12.583 min Scan# 3589

Delta R.T. 0.003 min

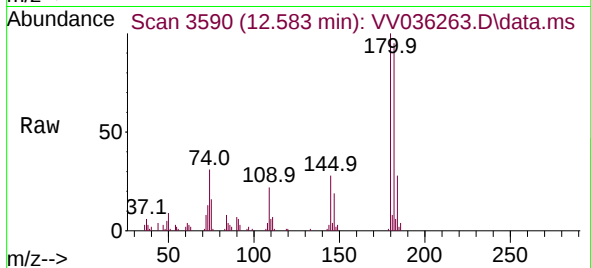
Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 24438

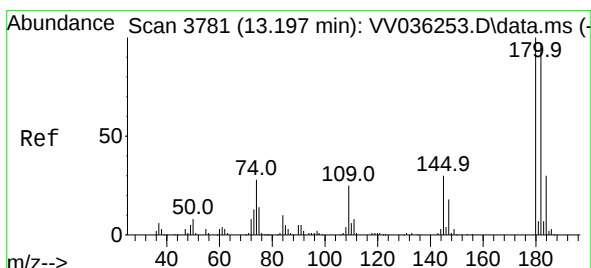
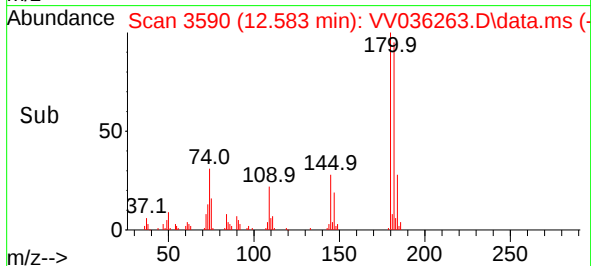
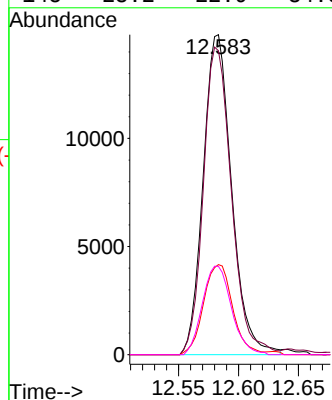
Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.4

184 28.8 24.2 36.2

145 28.2 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 4.129 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

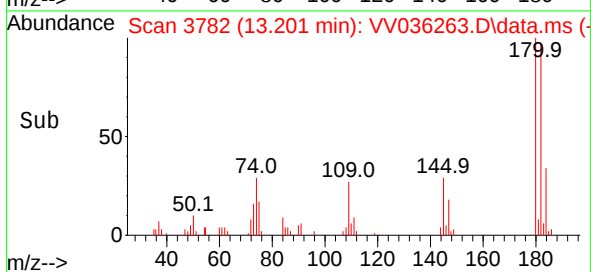
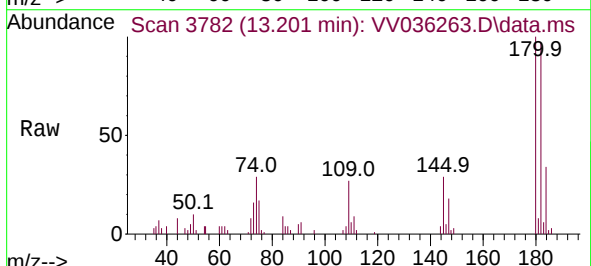
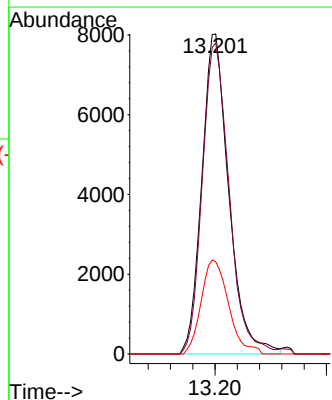
Tgt Ion:180 Resp: 13485

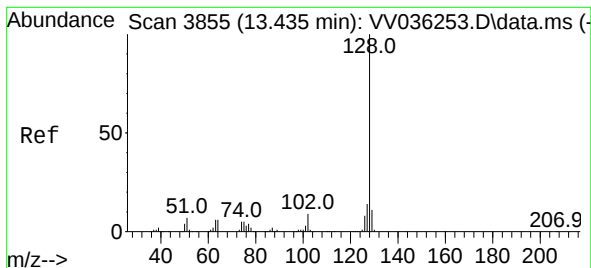
Ion Ratio Lower Upper

180 100

182 96.7 76.1 114.1

145 29.8 23.5 35.3





#71

Naphthalene

Concen: 5.459 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.006 min

Lab File: VV036263.D

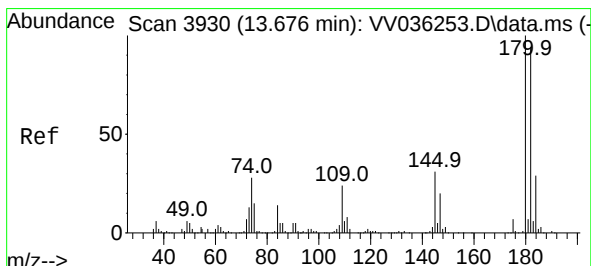
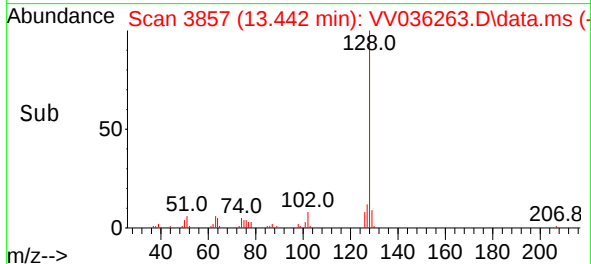
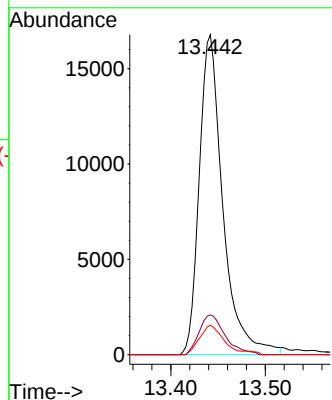
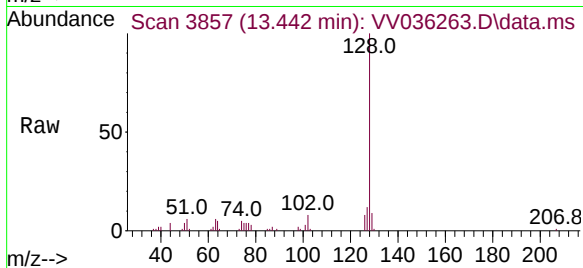
Acq: 24 Jun 2024 23:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128	Resp:	29095
Ion Ratio	Lower	Upper
128	100	
127	13.6	10.6 16.0
129	9.8	8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 3.701 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Tgt Ion:180	Resp:	11028
Ion Ratio	Lower	Upper
180	100	
182	98.4	75.1 112.7
145	32.4	25.2 37.8

