

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061424\
 Data File : VV036092.D
 Acq On : 14 Jun 2024 15:45
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 15 01:33:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 15 01:30:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	333015	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	340136	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	187646	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	111982	18.290	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.160%
7) Chloroethane-d5	1.526	69	101960	20.886	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.560%
11) 1,1-Dichloroethene-d2	2.050	65	53712	19.707	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.840%
21) 2-Butanone-d5	3.844	46	90677	64.552	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.100%
24) Chloroform-d	4.243	84	252873	23.885	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.520%
26) 1,2-Dichloroethane-d4	4.941	65	129726	23.370	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.480%
32) Benzene-d6	4.953	84	446613	22.089	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.360%
36) 1,2-Dichloropropane-d6	5.986	67	145296	22.820	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.280%
41) Toluene-d8	7.240	98	400661	22.459	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.840%
43) trans-1,3-Dichloroprop...	7.551	79	58241	22.309	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.240%
47) 2-Hexanone-d5	8.030	63	56376	65.353	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.700%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	134869	28.347	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.400%
66) 1,2-Dichlorobenzene-d4	11.558	152	148574	21.591	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	129414	21.553	ug/L	98
3) Chloromethane	1.211	50	170045	24.676	ug/L	99
5) Vinyl chloride	1.275	62	188701	26.011	ug/L	99
6) Bromomethane	1.481	94	117728	26.159	ug/L	98
8) Chloroethane	1.542	64	123568	27.403	ug/L	98
9) Trichlorofluoromethane	1.706	101	254987	28.303	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	165020	28.861	ug/L	100
12) 1,1-Dichloroethene	2.060	96	147953	27.744	ug/L	97
13) Acetone	2.384	43	92740	42.383	ug/L	69
14) Carbon disulfide	2.230	76	442901	23.917	ug/L	100
15) Methyl Acetate	2.384	43	100641	37.003	ug/L	98
16) Methylene chloride	2.439	84	184958	24.545	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	154864	27.338	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	388823	30.574	ug/L	99
19) 1,1-Dichloroethane	3.105	63	316203	29.311	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	156923	27.568	ug/L	99
22) 2-Butanone	3.908	43	89609	48.263	ug/L	87
23) Bromochloromethane	4.143	128	85035	29.782	ug/L	99
25) Chloroform	4.272	83	324397	29.232	ug/L	99

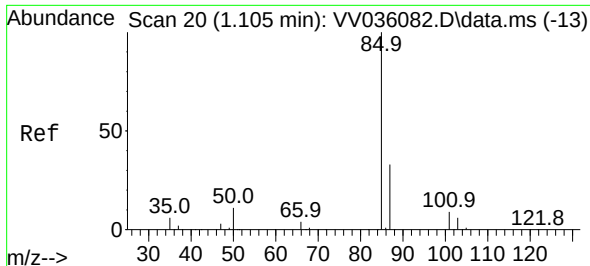
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061424\
 Data File : VV036092.D
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 Quant Title : VOC Analysis
 QLast Update : Sat Jun 15 01:30:52 2024
 Response via : Initial Calibration

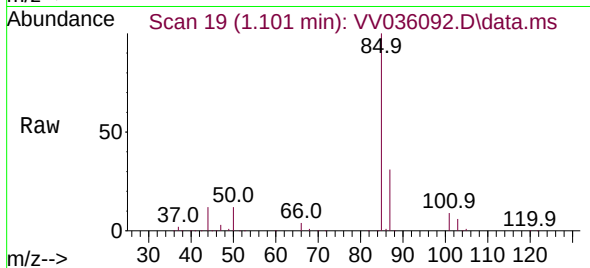
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	214857	31.012	ug/L	100
29) Cyclohexane	4.577	56	210908	26.043	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	271228	29.168	ug/L	100
31) Carbon tetrachloride	4.728	117	234628	28.762	ug/L	98
33) Benzene	5.005	78	652309	29.323	ug/L	100
34) Trichloroethene	5.828	95	197211	28.925	ug/L	99
35) Methylcyclohexane	6.047	83	257038	27.261	ug/L	98
37) 1,2-Dichloropropane	6.088	63	180468	30.895	ug/L	99
38) Bromodichloromethane	6.429	83	231907	29.995	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	237289	27.160	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	245827	77.460	ug/L	100
42) Toluene	7.310	91	692222	30.452	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	224458	29.744	ug/L	96
45) 1,1,2-Trichloroethane	7.767	97	153601	31.780	ug/L	99
46) Tetrachloroethene	7.902	164	135903	27.254	ug/L	99
48) 2-Hexanone	8.079	43	179562	72.373	ug/L	98
49) Dibromochloromethane	8.172	129	161709	30.571	ug/L	98
50) 1,2-Dibromoethane	8.281	107	148822	32.090	ug/L	99
51) Chlorobenzene	8.812	112	438148	28.289	ug/L	100
52) Ethylbenzene	8.944	91	718345	29.537	ug/L	99
53) m,p-Xylene	9.069	106	272747	29.847	ug/L	99
54) o-Xylene	9.477	106	254134	29.490	ug/L	100
55) Styrene	9.493	104	485876	31.972	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	143260	33.103	ug/L	99
59) Bromoform	9.664	173	110299	31.169	ug/L	99
60) Isopropylbenzene	9.863	105	713373	29.633	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	153921	34.683	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	492106	28.190	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	545449	29.000	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	353665	27.974	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	365156	27.983	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	340099	28.587	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	36658	36.939	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	245218	25.930	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	196568	26.399	ug/L	99
71) Naphthalene	13.435	128	401490	33.040	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	202474	29.798	ug/L	99

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

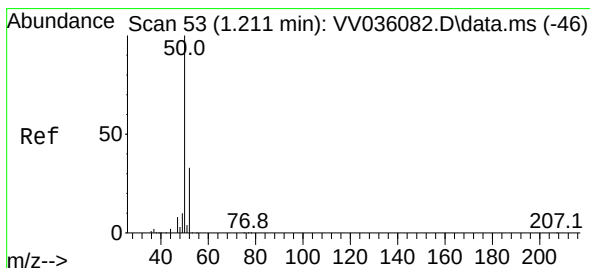
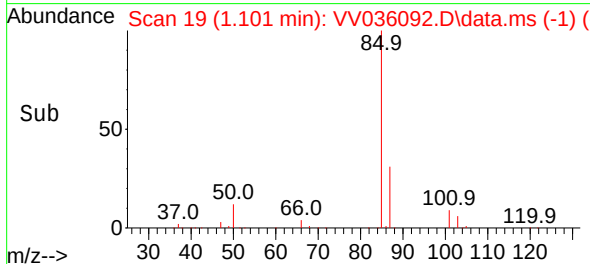
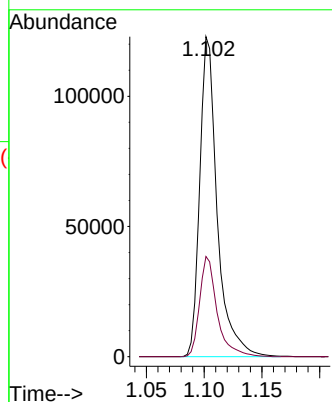


#2
 Dichlorodifluoromethane
 Concen: 21.553 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. -0.003 min
 Lab File: VV036092.D
 Acq: 14 Jun 2024 15:45

Instrument :
 MSVOA_V
 ClientSampleId :

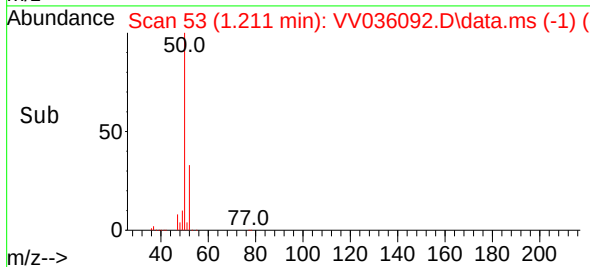
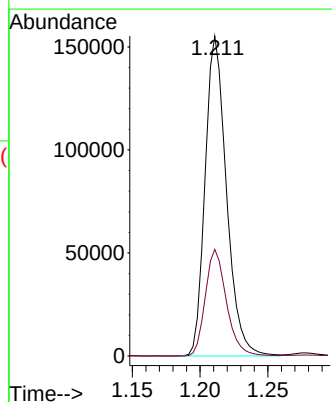
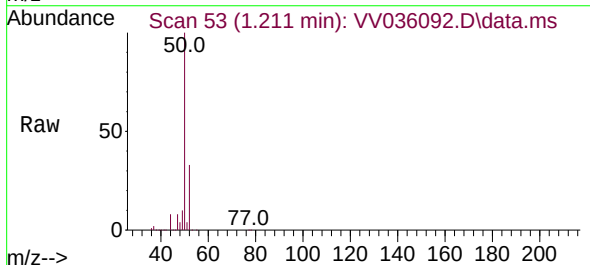


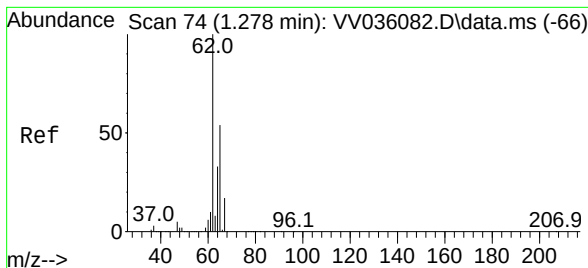
Tgt Ion: 85 Resp: 129414
 Ion Ratio Lower Upper
 85 100
 87 31.4 25.9 38.9



#3
 Chloromethane
 Concen: 24.676 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV036092.D
 Acq: 14 Jun 2024 15:45

Tgt Ion: 50 Resp: 170045
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.8 42.4





#5

Vinyl chloride

Concen: 26.011 ug/L

RT: 1.275 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

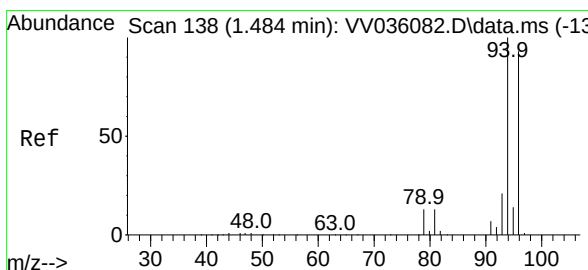
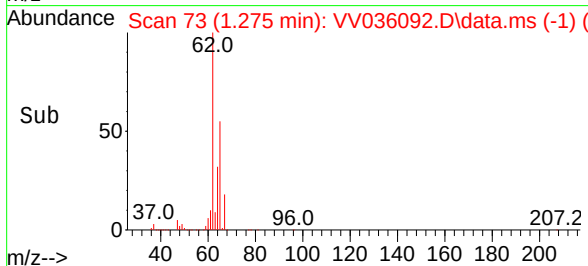
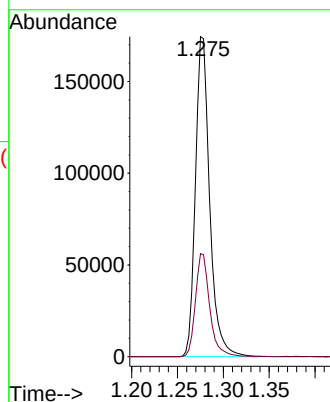
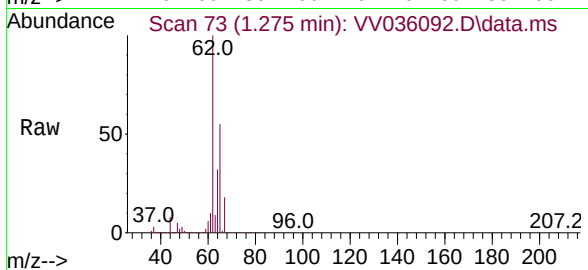
ClientSampleId :

Tgt Ion: 62 Resp: 188701

Ion Ratio Lower Upper

62 100

64 32.2 22.9 42.5



#6

Bromomethane

Concen: 26.159 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.003 min

Lab File: VV036092.D

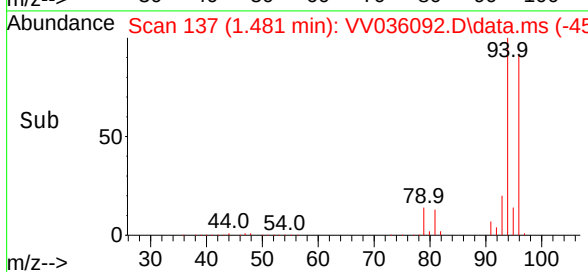
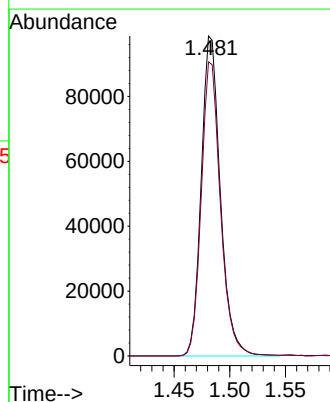
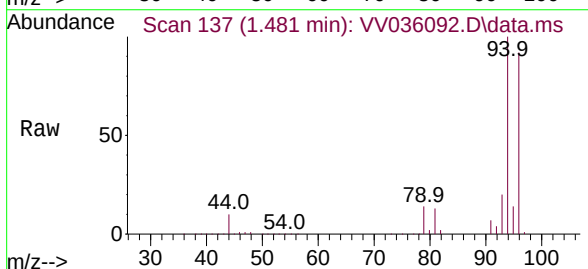
Acq: 14 Jun 2024 15:45

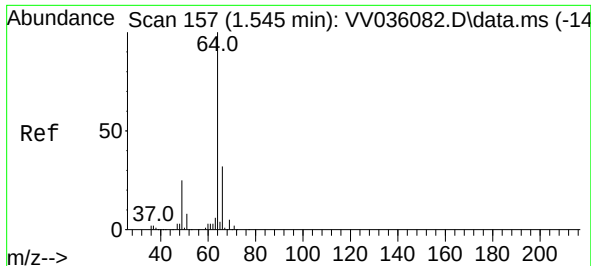
Tgt Ion: 94 Resp: 117728

Ion Ratio Lower Upper

94 100

96 91.9 65.7 122.1

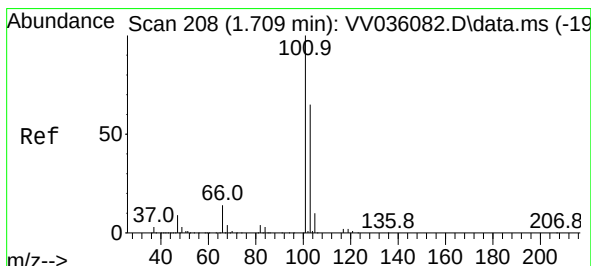
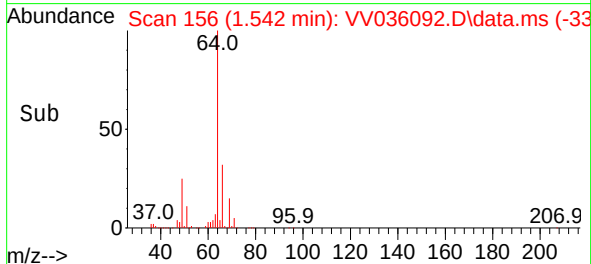
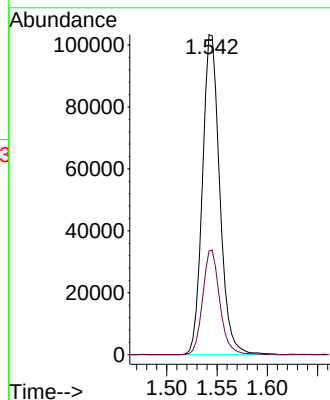
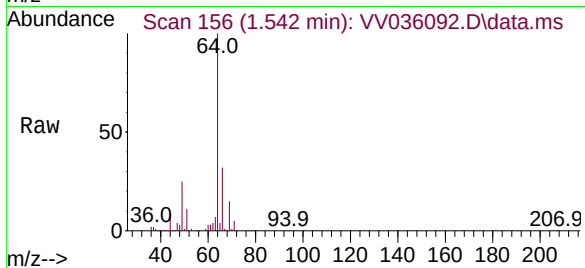




#8
Chloroethane
Concen: 27.403 ug/L
RT: 1.542 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

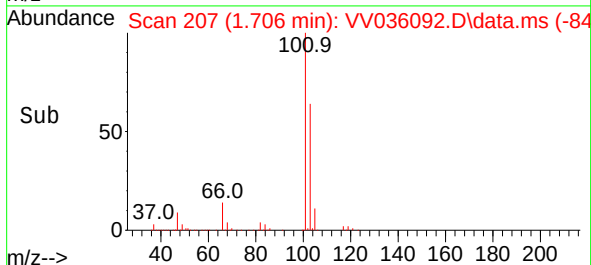
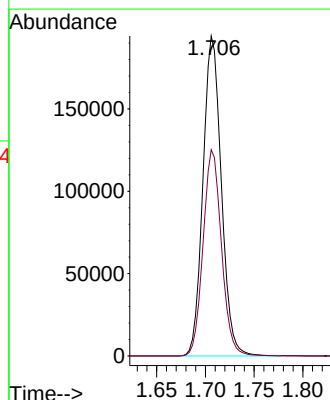
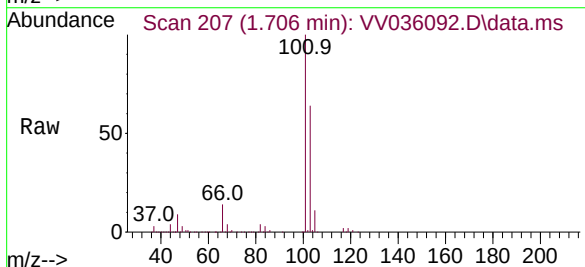
Instrument :
MSVOA_V
ClientSampleId :

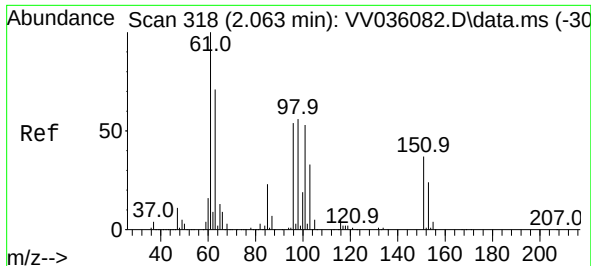
Tgt Ion: 64 Resp: 123568
Ion Ratio Lower Upper
64 100
66 32.4 22.0 41.0



#9
Trichlorofluoromethane
Concen: 28.303 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.003 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

Tgt Ion:101 Resp: 254987
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8

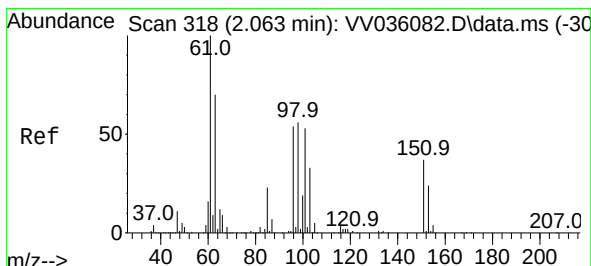
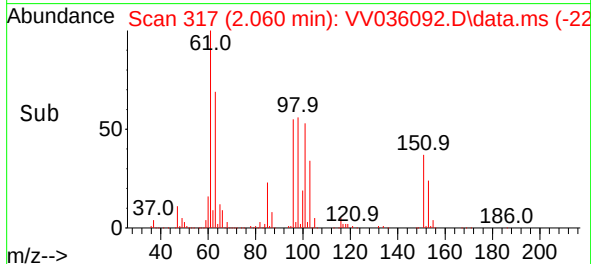
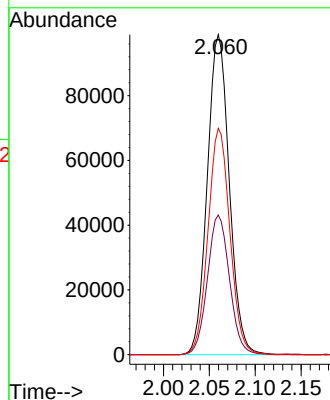
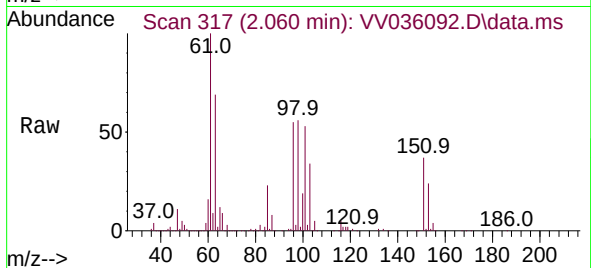




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 28.861 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

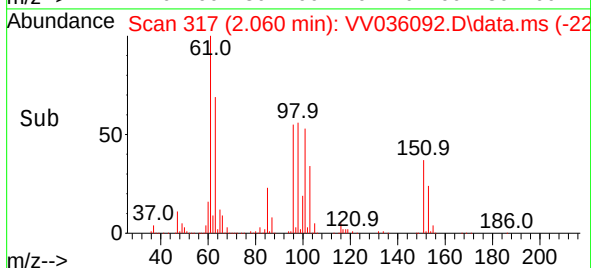
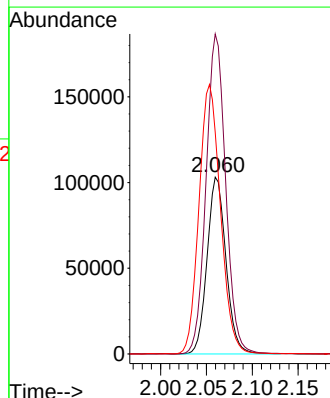
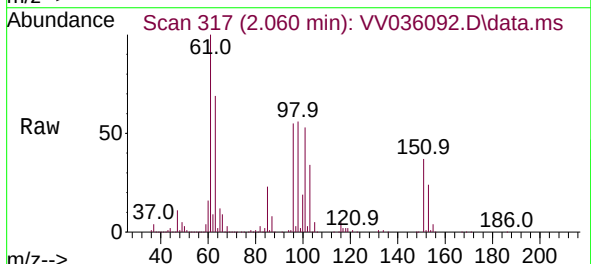
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MSVOA_V
ClientSampleId :

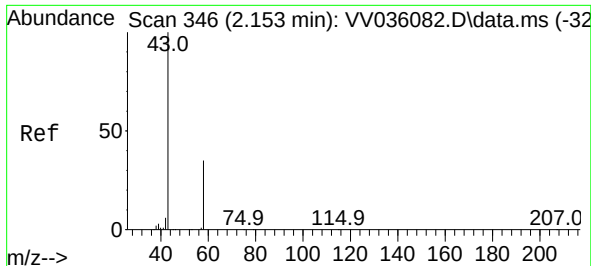
Tgt Ion:101 Resp: 165020
Ion Ratio Lower Upper
101 100
85 43.7 34.5 51.7
151 70.5 56.3 84.5



#12
1,1-Dichloroethene
Concen: 27.744 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

Tgt Ion: 96 Resp: 147953
Ion Ratio Lower Upper
96 100
61 181.0 127.3 236.3
63 125.3 93.7 173.9





#13

Acetone

Concen: 42.383 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.231 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

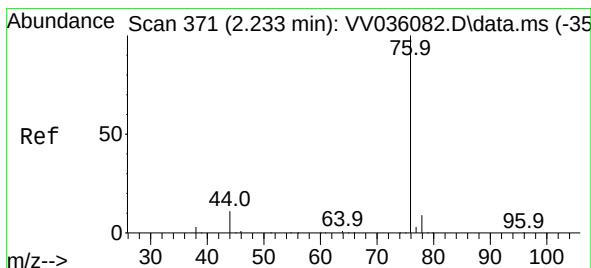
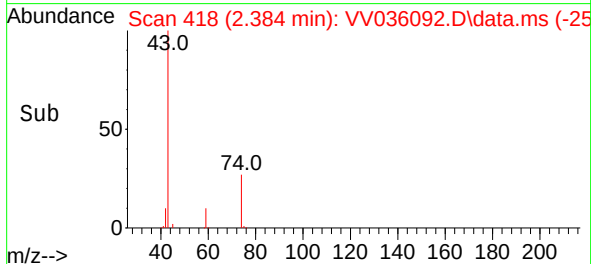
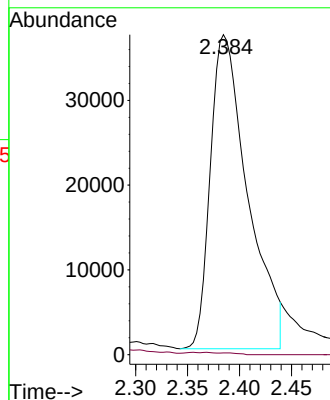
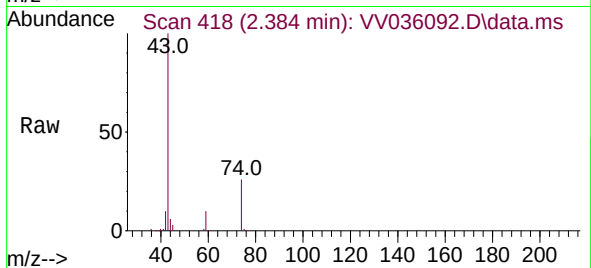
ClientSampleId :

Tgt Ion: 43 Resp: 92740

Ion Ratio Lower Upper

43 100

58 0.1 0.0 24.2



#14

Carbon disulfide

Concen: 23.917 ug/L

RT: 2.230 min Scan# 370

Delta R.T. -0.003 min

Lab File: VV036092.D

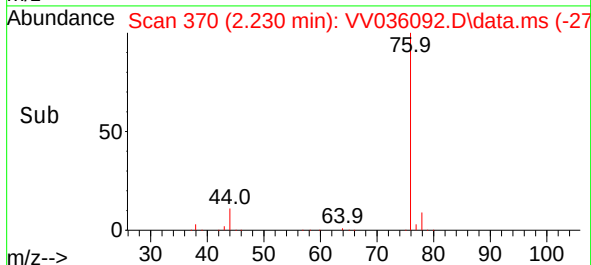
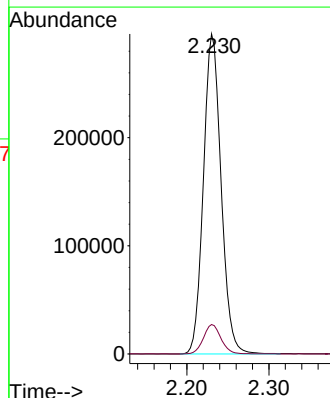
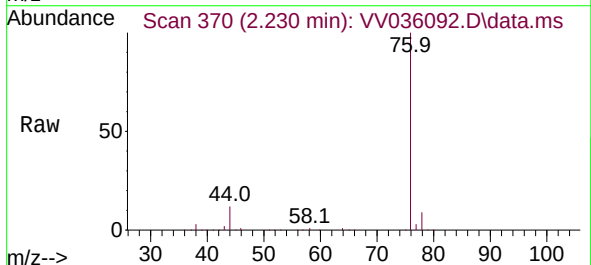
Acq: 14 Jun 2024 15:45

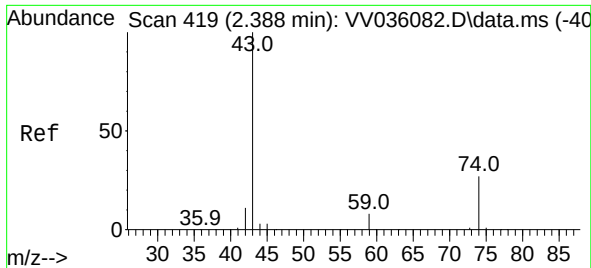
Tgt Ion: 76 Resp: 442901

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

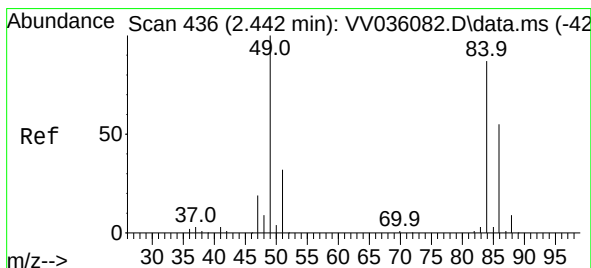
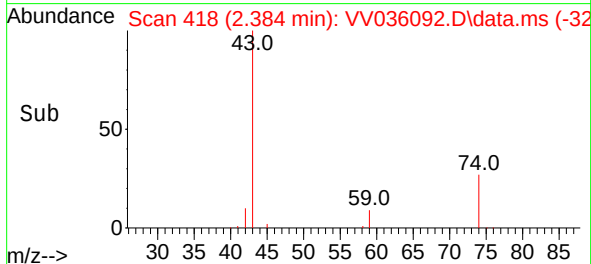
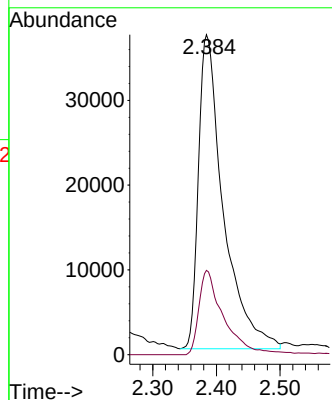
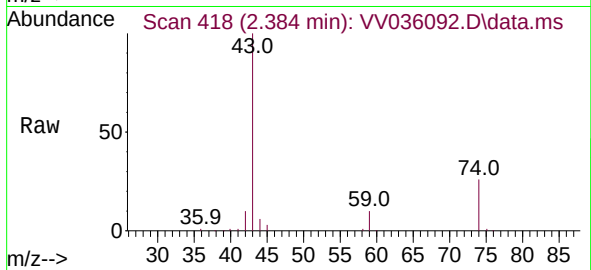




#15
Methyl Acetate
Concen: 37.003 ug/L
RT: 2.384 min Scan# 419
Delta R.T. -0.003 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

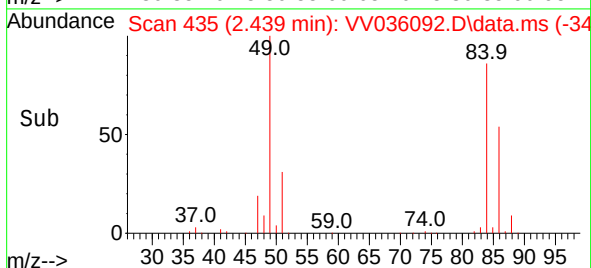
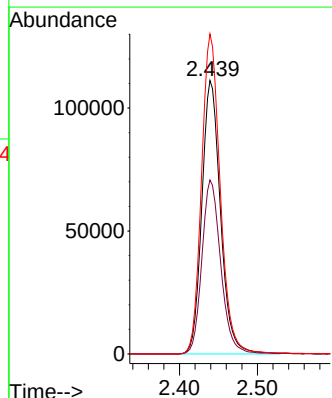
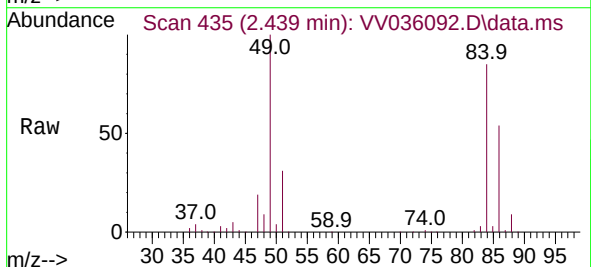
Instrument :
MSVOA_V
ClientSampleId :

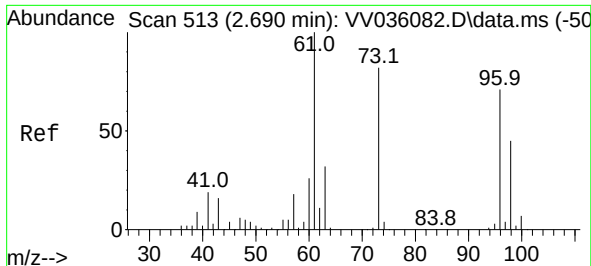
Tgt Ion: 43 Resp: 100641
Ion Ratio Lower Upper
43 100
74 25.6 21.4 32.2



#16
Methylene chloride
Concen: 24.545 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.003 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

Tgt Ion: 84 Resp: 184958
Ion Ratio Lower Upper
84 100
86 63.6 44.6 82.8
49 117.0 81.1 150.5





#17

trans-1,2-Dichloroethene

Concen: 27.338 ug/L

RT: 2.687 min Scan# 512

Delta R.T. -0.003 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

ClientSampleId :

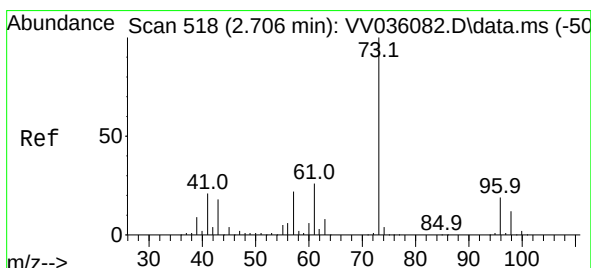
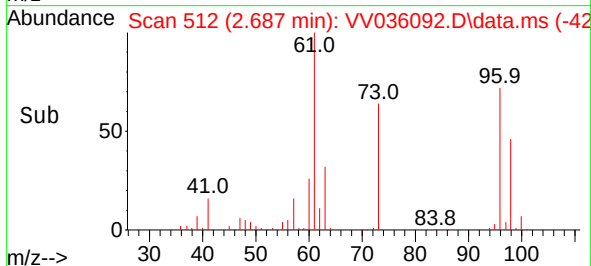
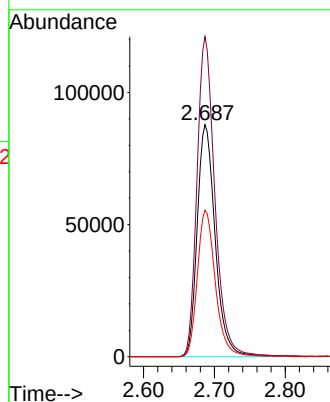
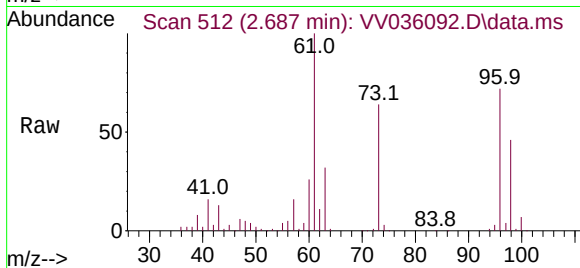
Tgt Ion: 96 Resp: 154864

Ion Ratio Lower Upper

96 100

61 138.0 99.4 184.6

98 63.2 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 30.574 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.003 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

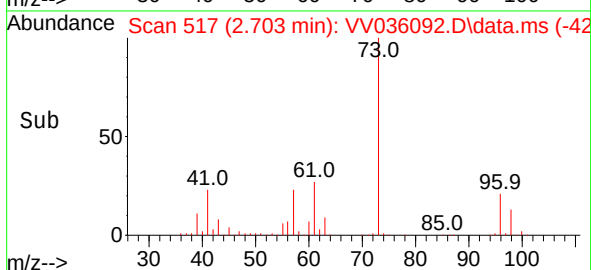
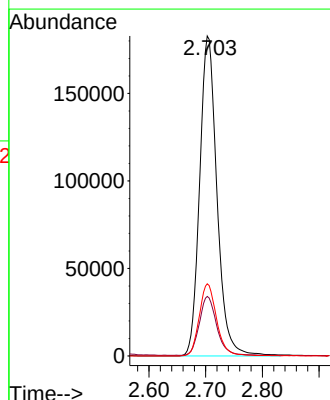
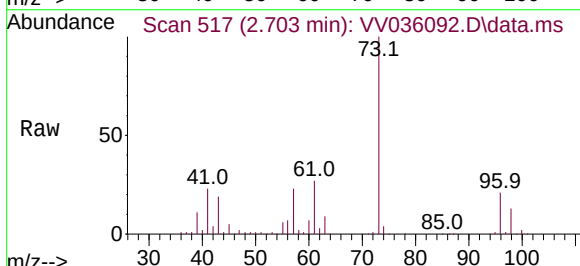
Tgt Ion: 73 Resp: 388823

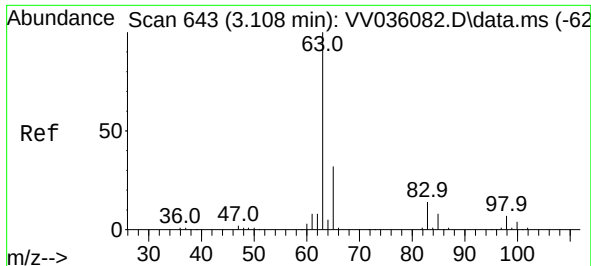
Ion Ratio Lower Upper

73 100

43 18.4 14.3 21.5

57 22.4 17.8 26.6

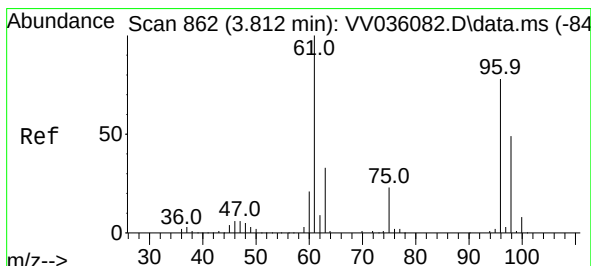
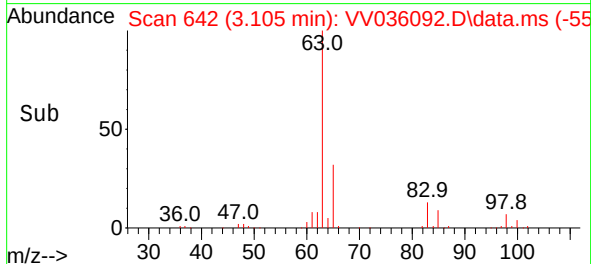
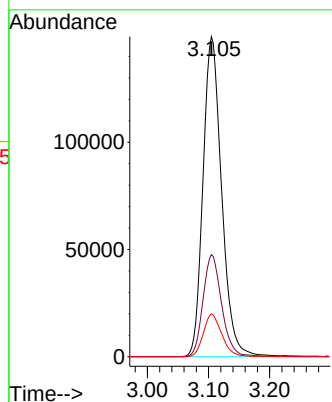
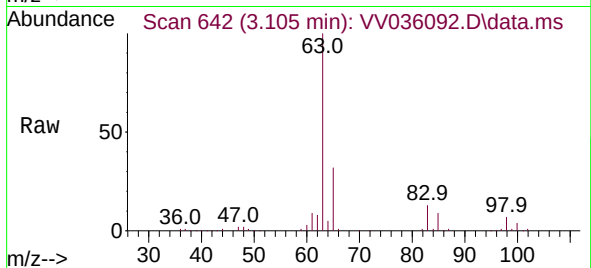




#19
1,1-Dichloroethane
Concen: 29.311 ug/L
RT: 3.105 min Scan# 64
Delta R.T. -0.003 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

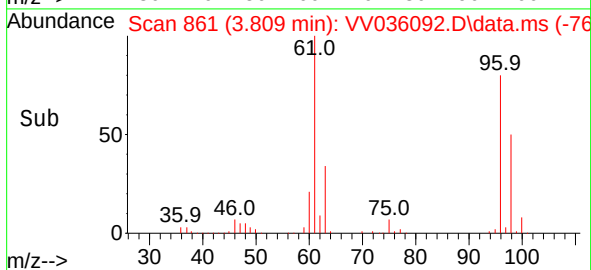
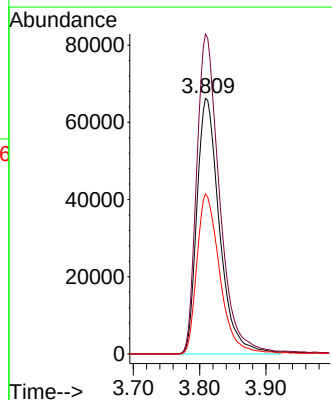
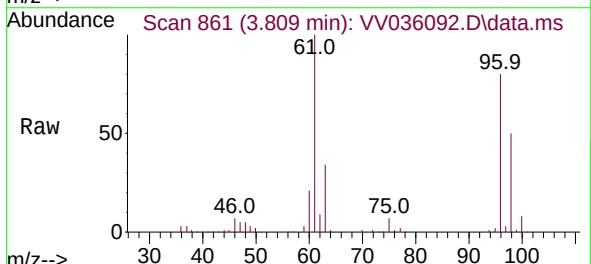
Instrument :
MSVOA_V
ClientSampleId :

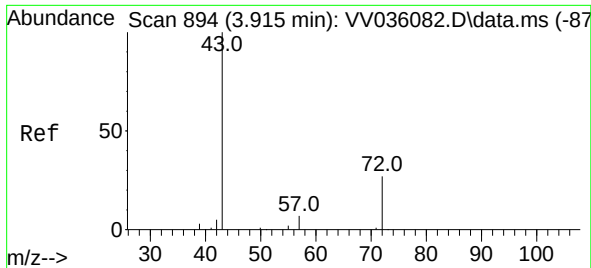
Tgt Ion: 63 Resp: 316203
Ion Ratio Lower Upper
63 100
65 31.9 22.4 41.6
83 13.4 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 27.568 ug/L
RT: 3.809 min Scan# 861
Delta R.T. -0.003 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

Tgt Ion: 96 Resp: 156923
Ion Ratio Lower Upper
96 100
61 125.1 87.9 163.3
98 62.6 44.4 82.5

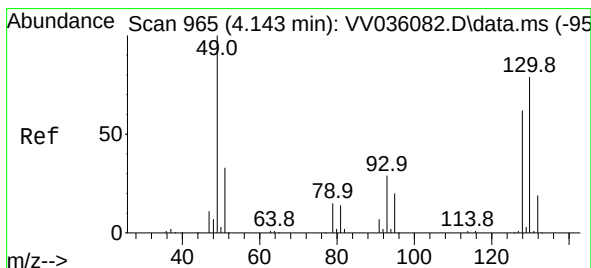
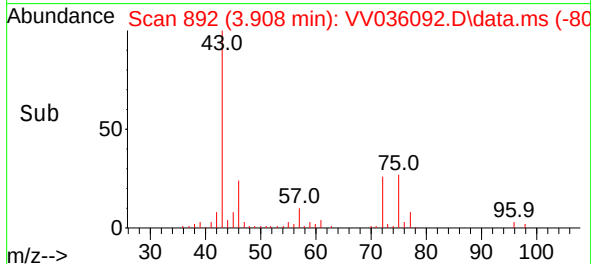
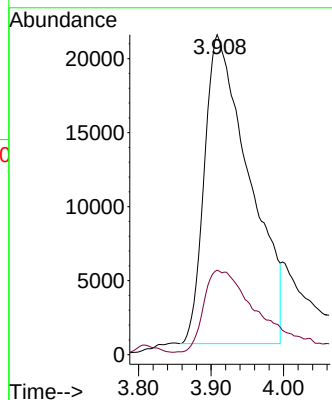
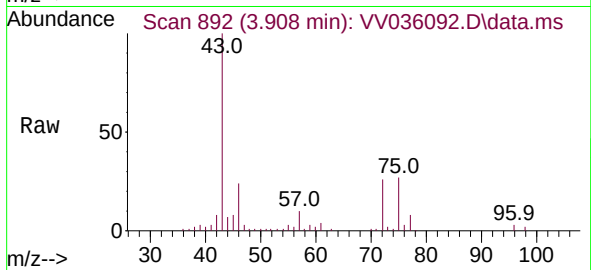




#22
2-Butanone
Concen: 48.263 ug/L
RT: 3.908 min Scan# 894
Delta R.T. -0.007 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

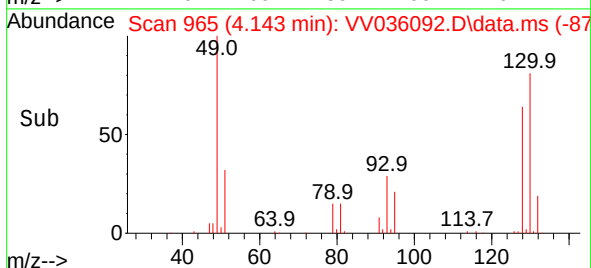
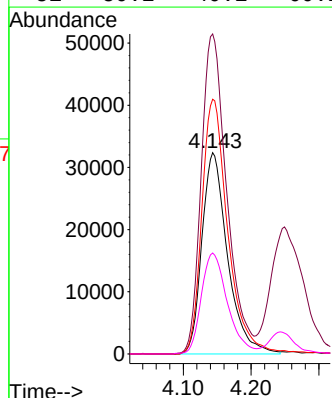
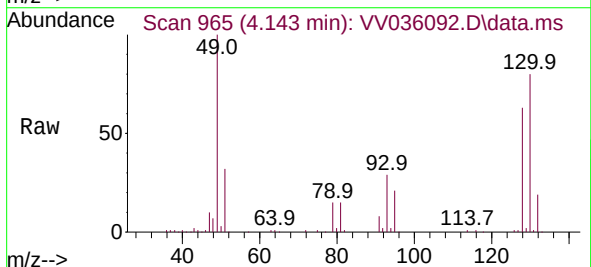
Instrument :
MSVOA_V
ClientSampleId :

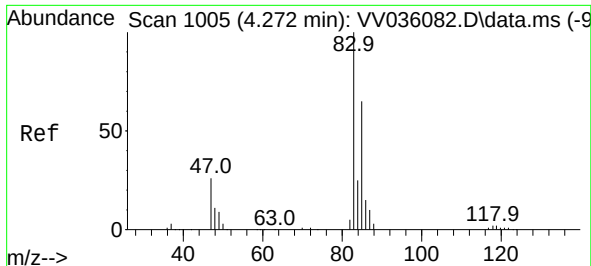
Tgt Ion: 43 Resp: 89609
Ion Ratio Lower Upper
43 100
72 10.8 8.2 24.4



#23
Bromochloromethane
Concen: 29.782 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.000 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

Tgt Ion:128 Resp: 85035
Ion Ratio Lower Upper
128 100
49 159.0 110.2 204.6
130 126.5 90.2 167.4
51 50.2 40.2 60.2





#25

Chloroform

Concen: 29.232 ug/L

RT: 4.272 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

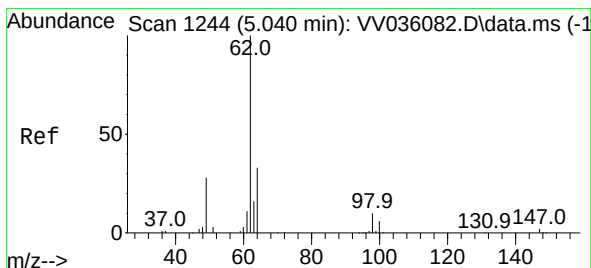
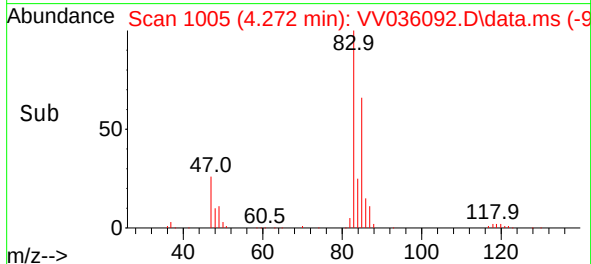
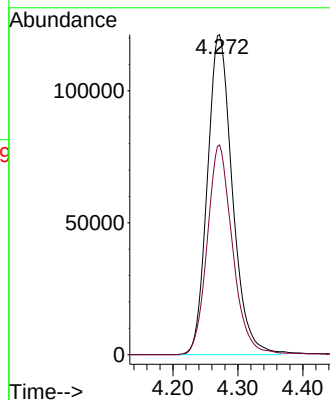
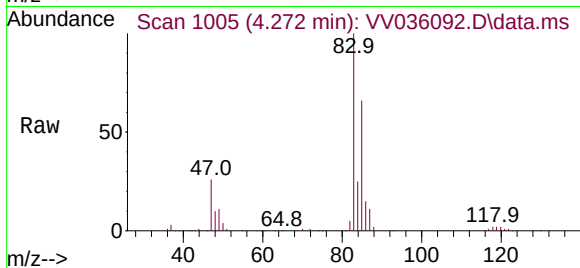
ClientSampleId :

Tgt Ion: 83 Resp: 324397

Ion Ratio Lower Upper

83 100

85 65.6 45.2 84.0



#27

1,2-Dichloroethane

Concen: 31.012 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV036092.D

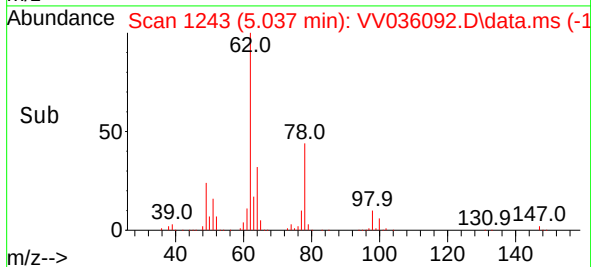
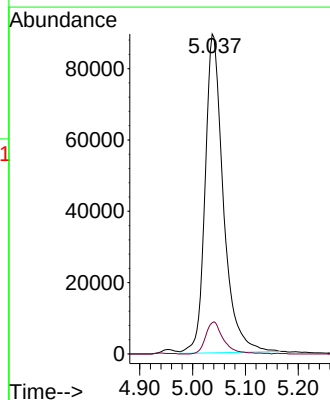
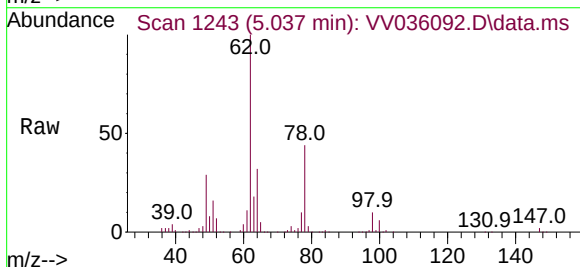
Acq: 14 Jun 2024 15:45

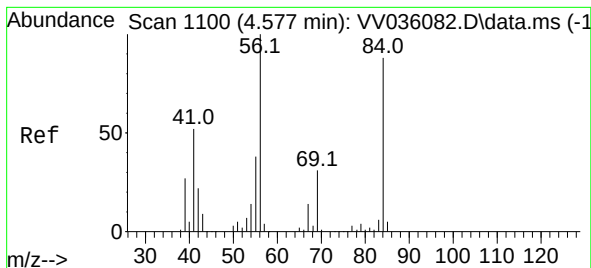
Tgt Ion: 62 Resp: 214857

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.6





#29

Cyclohexane

Concen: 26.043 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

ClientSampleId :

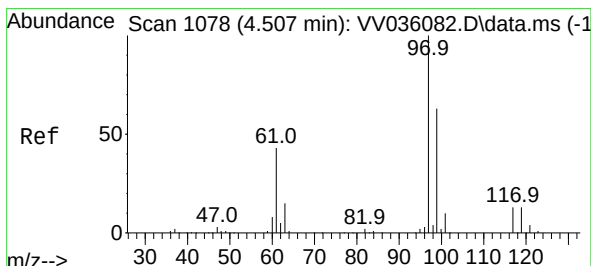
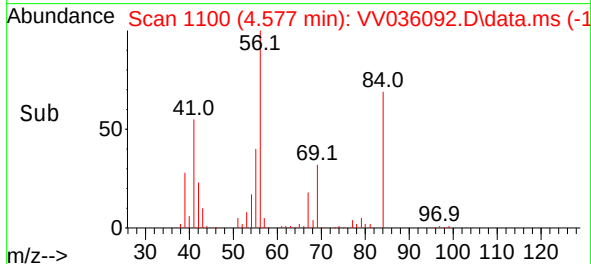
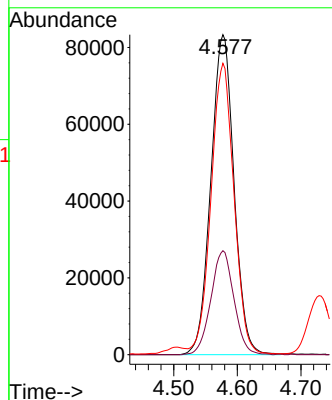
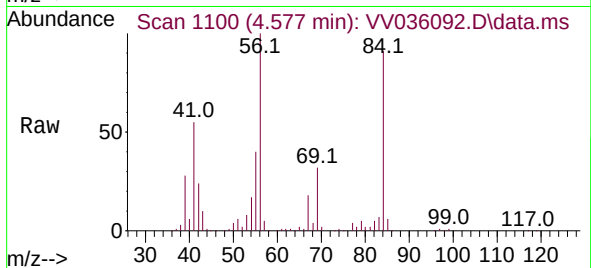
Tgt Ion: 56 Resp: 210908

Ion Ratio Lower Upper

56 100

69 32.2 25.2 37.8

84 89.9 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 29.168 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

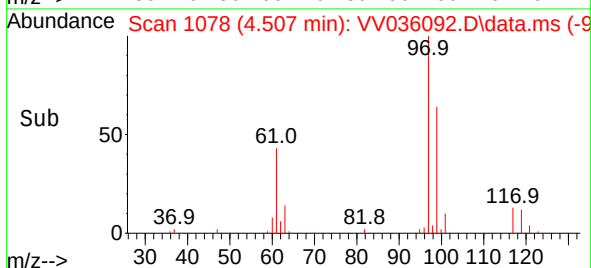
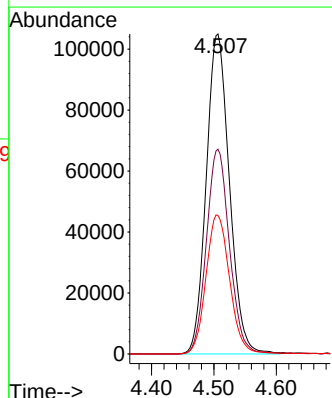
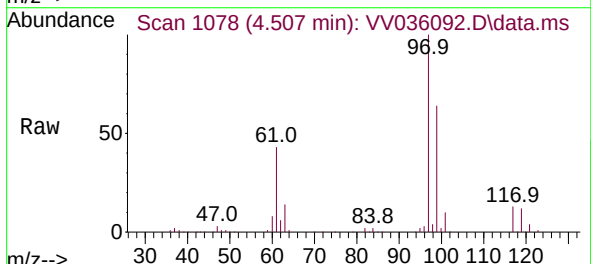
Tgt Ion: 97 Resp: 271228

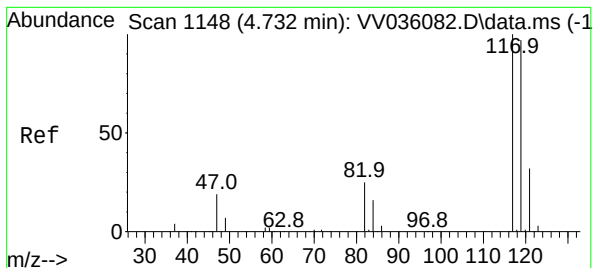
Ion Ratio Lower Upper

97 100

99 63.5 50.9 76.3

61 44.4 35.0 52.6





#31

Carbon tetrachloride

Concen: 28.762 ug/L

RT: 4.728 min Scan# 1148

Delta R.T. -0.003 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

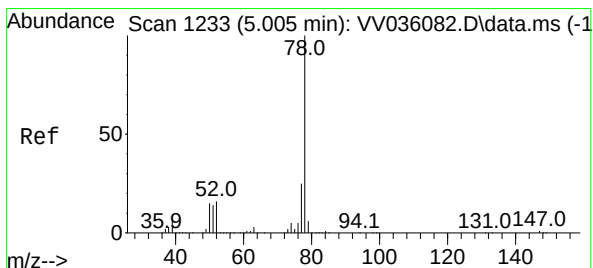
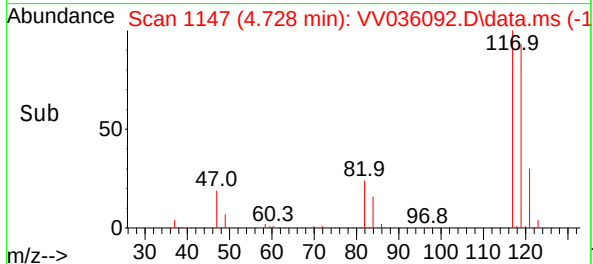
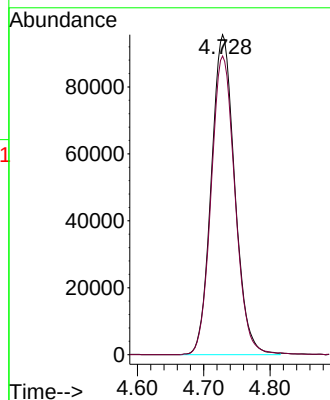
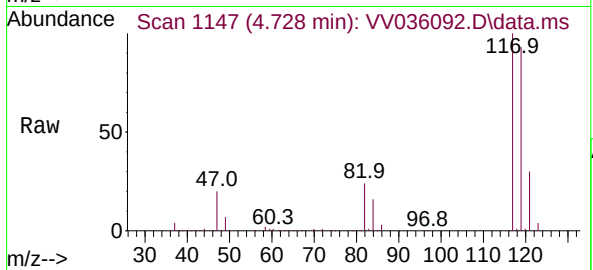
ClientSampleId :

Tgt Ion:117 Resp: 234628

Ion Ratio Lower Upper

117 100

119 94.3 76.8 115.2



#33

Benzene

Concen: 29.323 ug/L

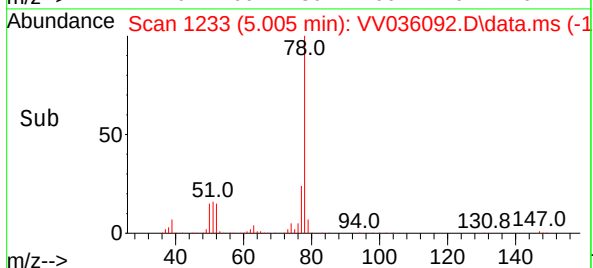
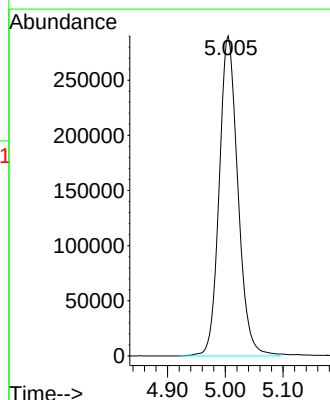
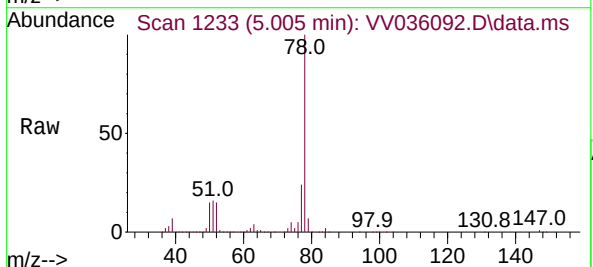
RT: 5.005 min Scan# 1233

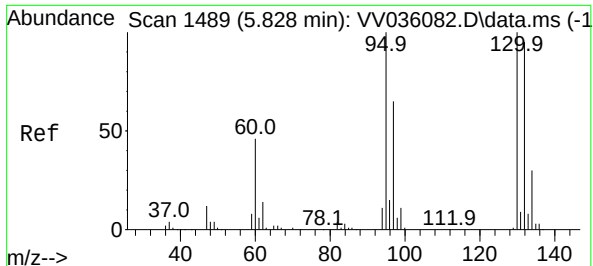
Delta R.T. -0.000 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Tgt Ion: 78 Resp: 652309





#34

Trichloroethene

Concen: 28.925 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 197211

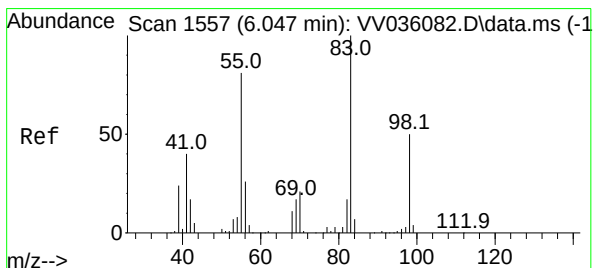
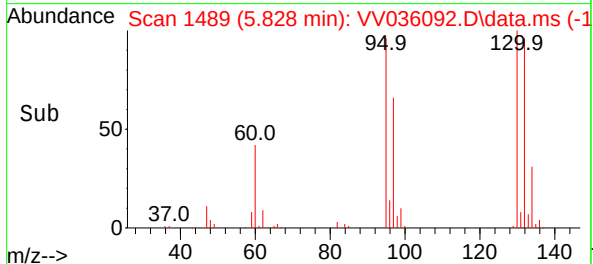
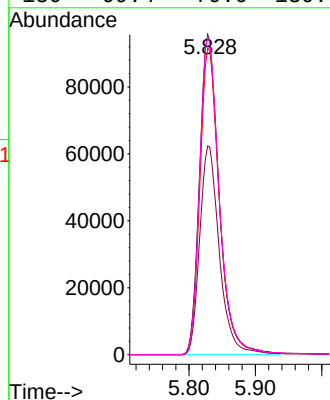
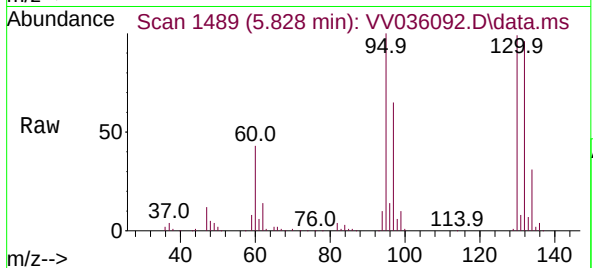
Ion Ratio Lower Upper

95 100

97 65.2 44.8 83.2

132 95.8 66.8 124.2

130 99.4 70.0 130.0



#35

Methylcyclohexane

Concen: 27.261 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

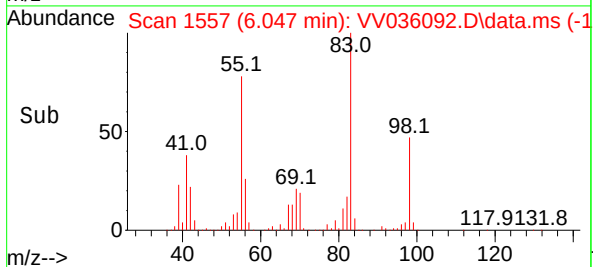
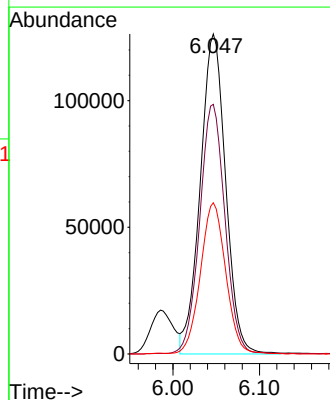
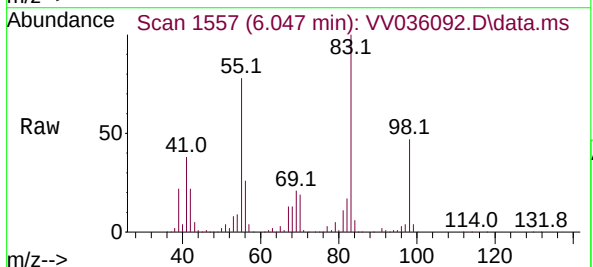
Tgt Ion: 83 Resp: 257038

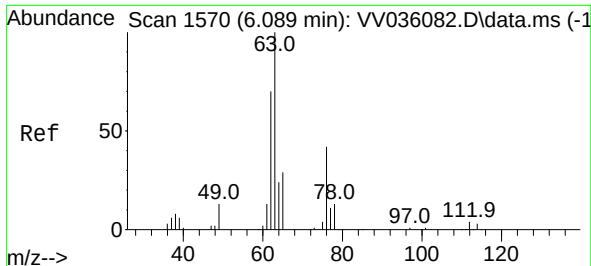
Ion Ratio Lower Upper

83 100

55 77.2 60.7 91.1

98 47.2 38.7 58.1





#37

1,2-Dichloropropane

Concen: 30.895 ug/L

RT: 6.088 min Scan# 1

Delta R.T. -0.000 min MSVOA_V

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

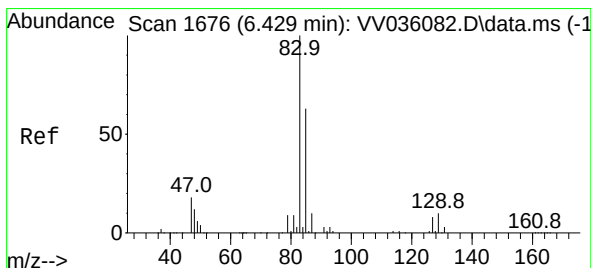
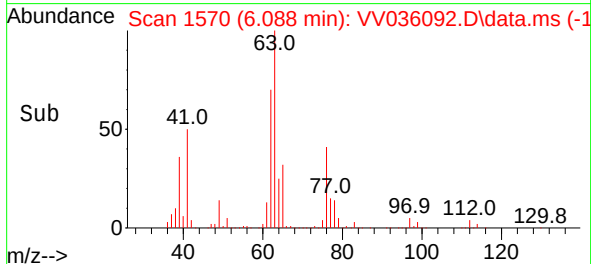
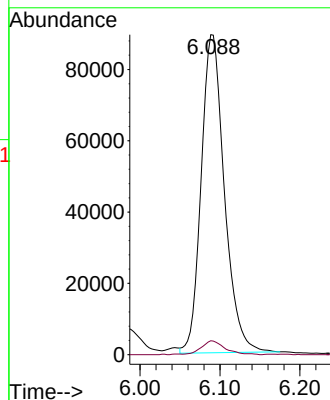
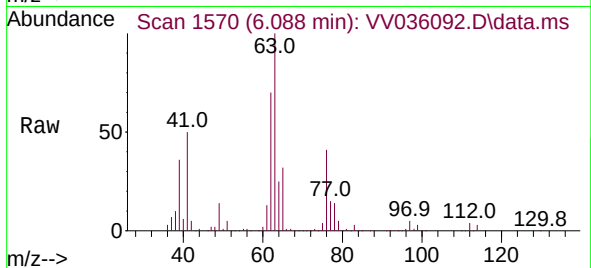
ClientSampleId :

Tgt Ion: 63 Resp: 180468

Ion Ratio Lower Upper

63 100

112 4.0 3.5 5.3



#38

Bromodichloromethane

Concen: 29.995 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

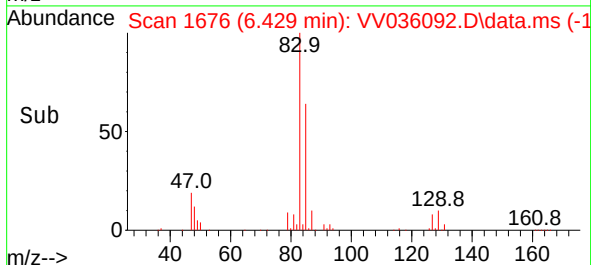
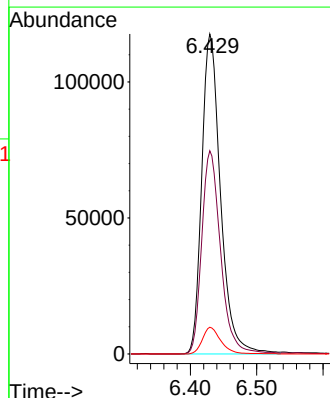
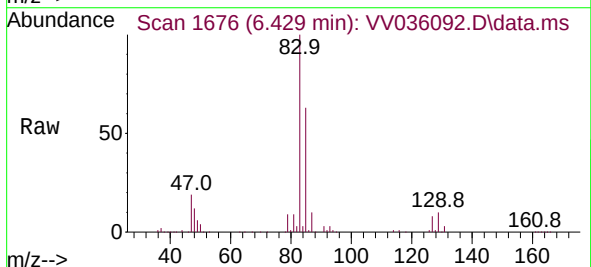
Tgt Ion: 83 Resp: 231907

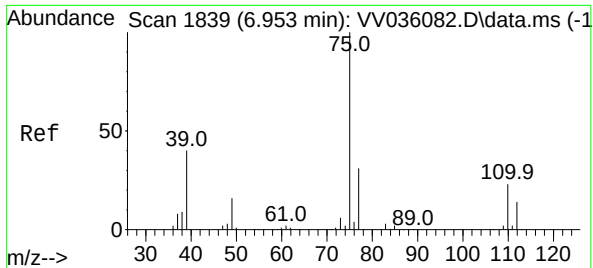
Ion Ratio Lower Upper

83 100

85 63.5 45.3 84.1

127 8.4 6.7 10.1

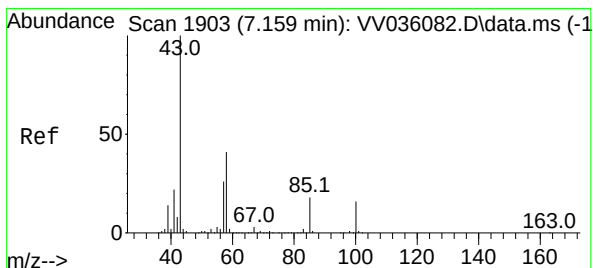
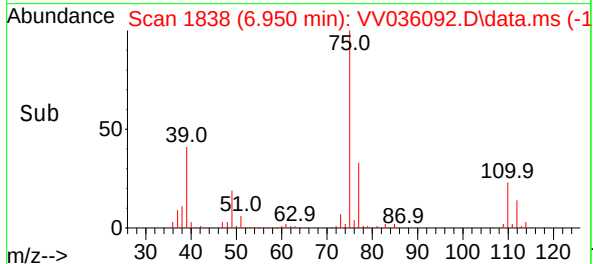
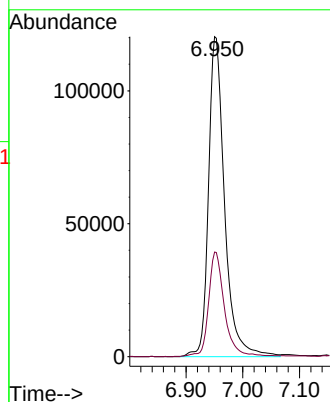
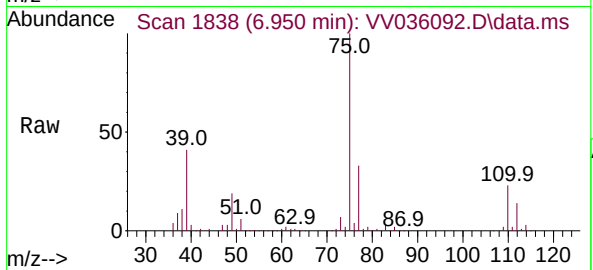




#39
 cis-1,3-Dichloropropene
 Concen: 27.160 ug/L
 RT: 6.950 min Scan# 1839
 Delta R.T. -0.003 min
 Lab File: VV036092.D
 Acq: 14 Jun 2024 15:45

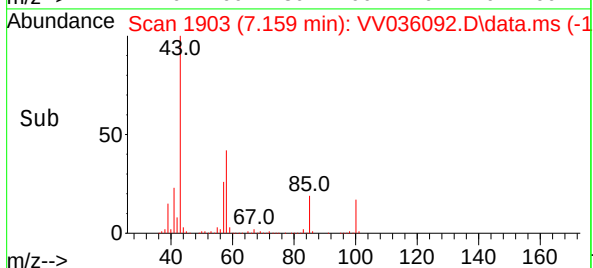
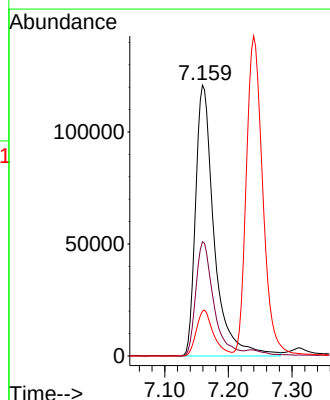
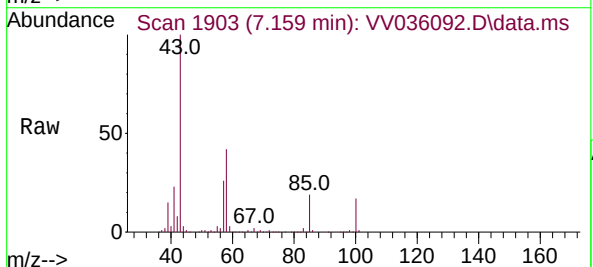
Instrument :
 MSVOA_V
 ClientSampleId :

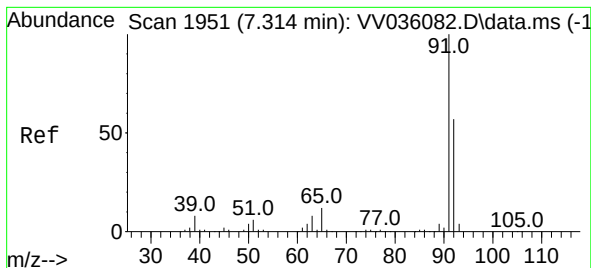
Tgt Ion: 75 Resp: 237289
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 77.460 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VV036092.D
 Acq: 14 Jun 2024 15:45

Tgt Ion: 43 Resp: 245827
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.5 48.7
 100 15.5 12.5 18.7





#42

Toluene

Concen: 30.452 ug/L

RT: 7.310 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

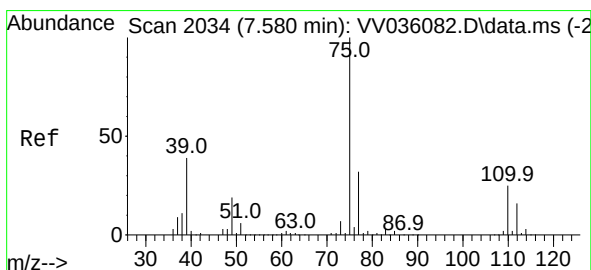
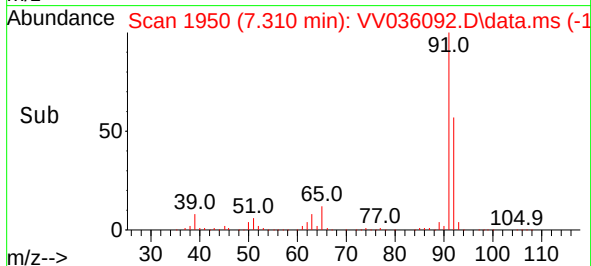
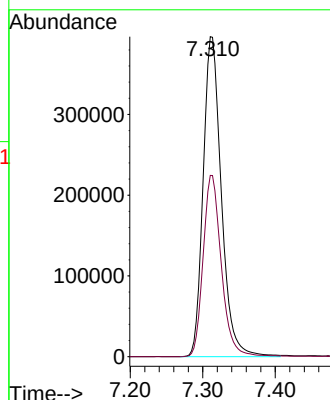
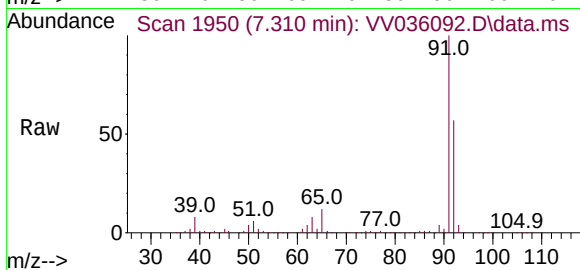
ClientSampleId :

Tgt Ion: 91 Resp: 692222

Ion Ratio Lower Upper

91 100

92 56.6 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 29.744 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.000 min

Lab File: VV036092.D

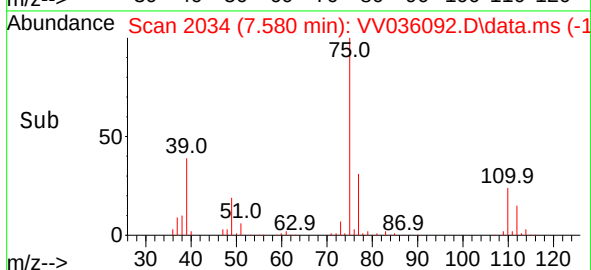
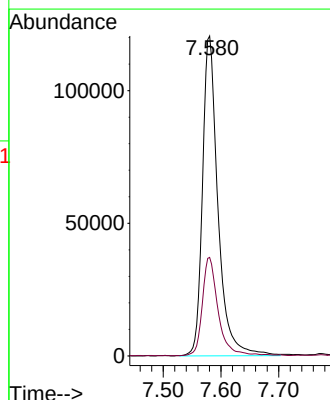
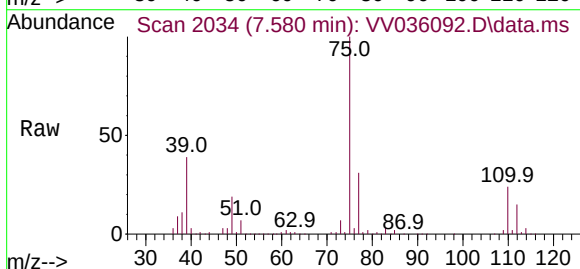
Acq: 14 Jun 2024 15:45

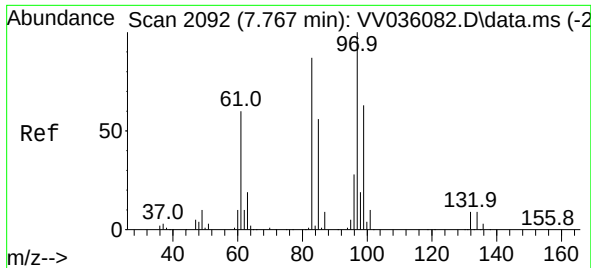
Tgt Ion: 75 Resp: 224458

Ion Ratio Lower Upper

75 100

77 30.8 23.1 42.9

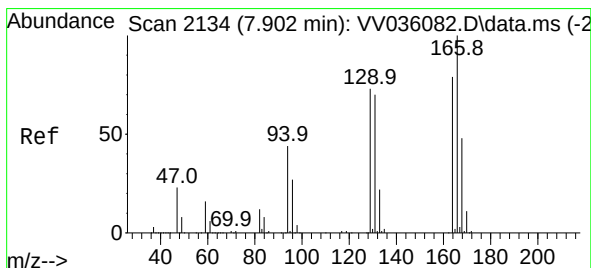
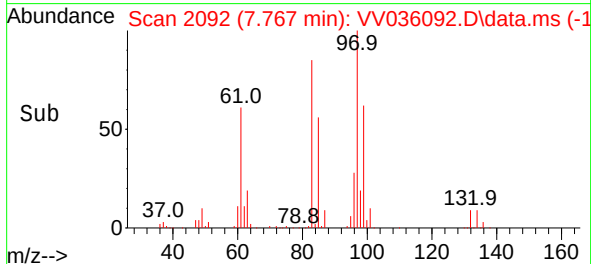
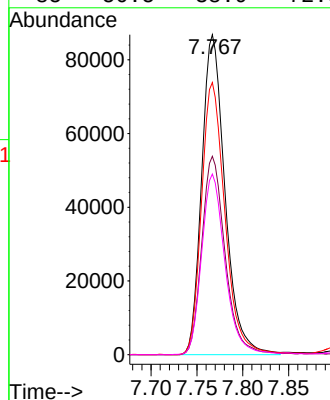
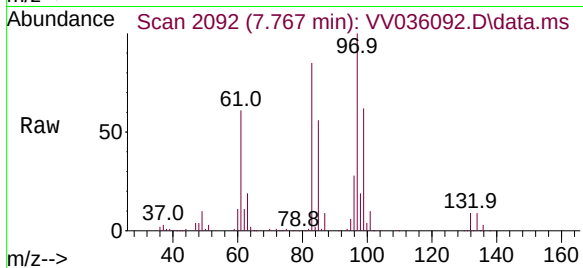




#45
1,1,2-Trichloroethane
Concen: 31.780 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

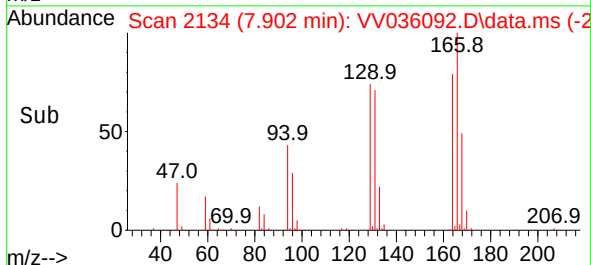
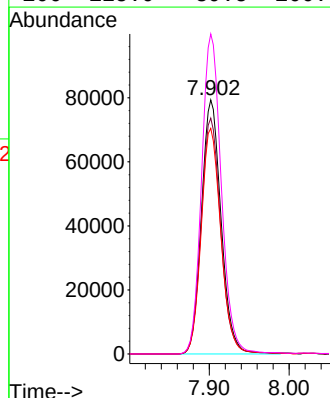
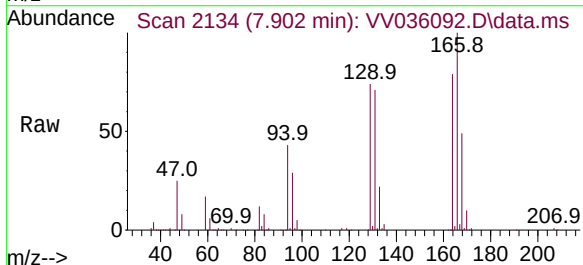
Instrument :
MSVOA_V
ClientSampleId :

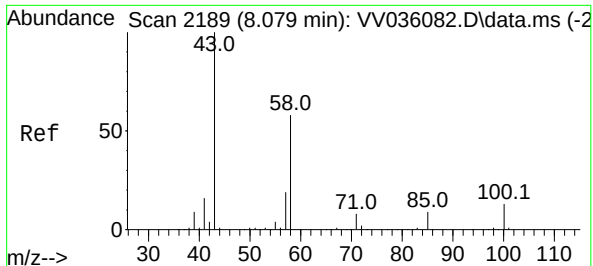
Tgt Ion:	97	Resp:	153601
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.3	80.5
83	85.1	60.1	111.7
85	56.5	38.9	72.3



#46
Tetrachloroethene
Concen: 27.254 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.000 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

Tgt Ion:	164	Resp:	135903
Ion	Ratio	Lower	Upper
164	100		
129	92.8	64.6	120.0
131	88.8	63.2	117.4
166	125.9	89.5	166.3



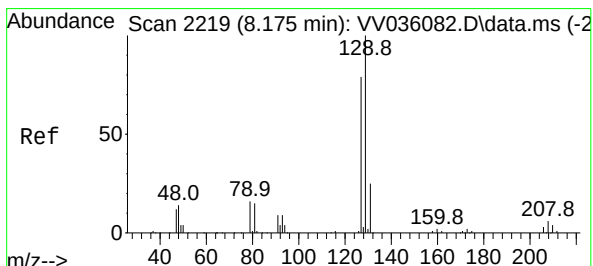
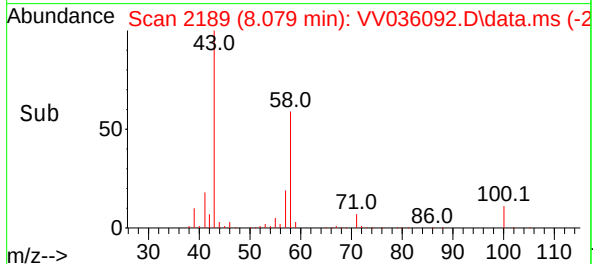
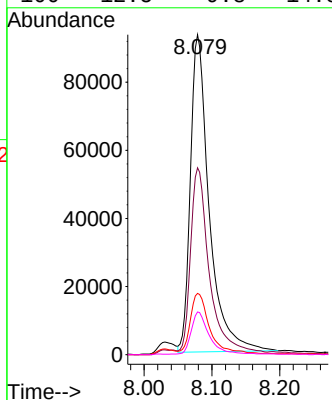
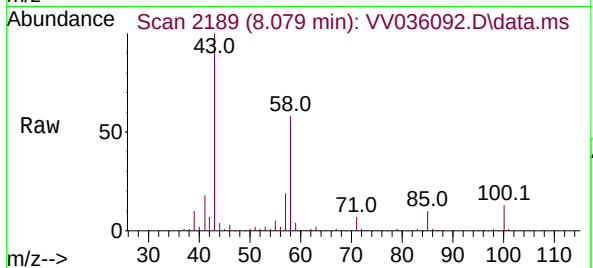


#48
2-Hexanone
Concen: 72.373 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 179562

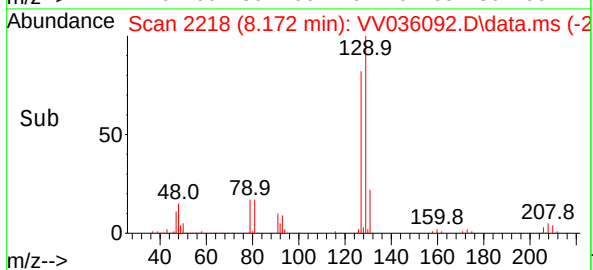
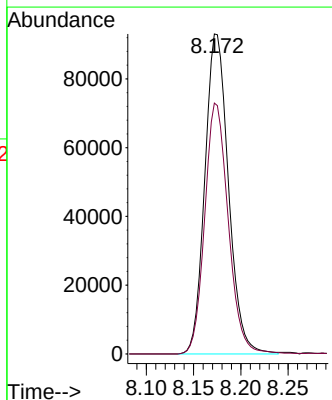
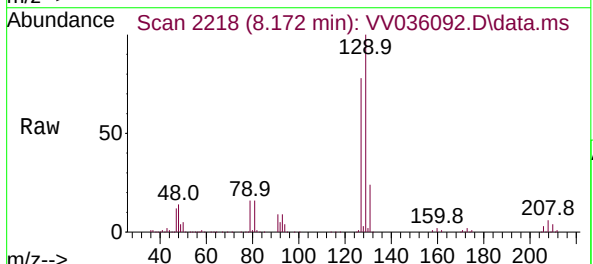
Ion	Ratio	Lower	Upper
43	100		
58	58.0	45.4	68.0
57	17.7	15.8	23.8
100	12.5	9.8	14.8

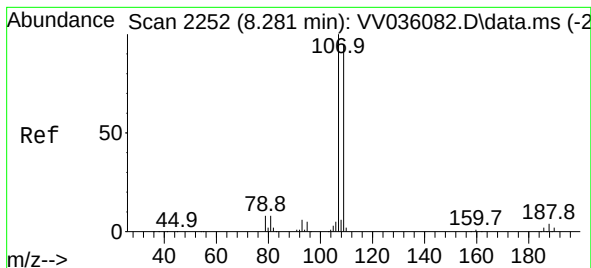


#49
Dibromochloromethane
Concen: 30.571 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.003 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

Tgt Ion: 129 Resp: 161709

Ion	Ratio	Lower	Upper
129	100		
127	78.4	53.9	100.1





#50

1,2-Dibromoethane

Concen: 32.090 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min MSVOA_V

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

ClientSampleId :

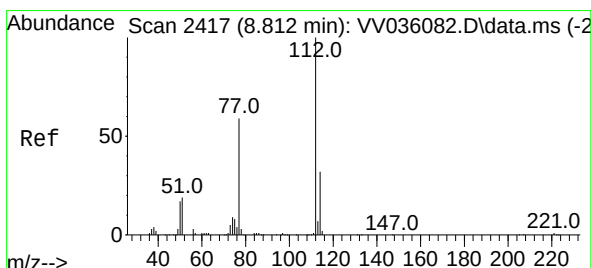
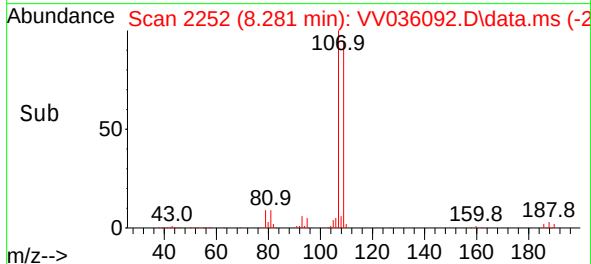
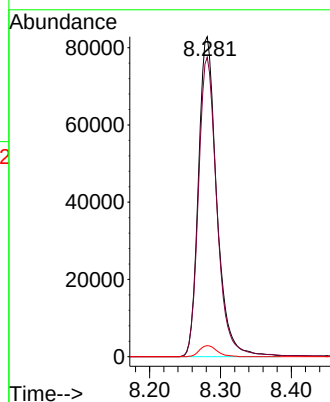
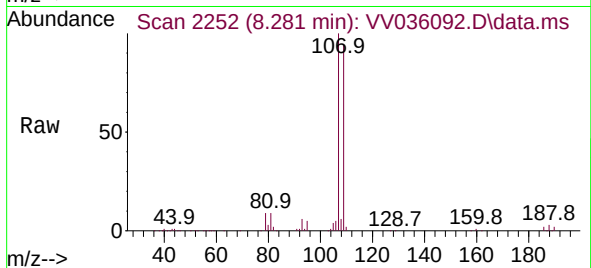
Tgt Ion:107 Resp: 148822

Ion Ratio Lower Upper

107 100

109 93.6 66.1 122.7

188 3.4 3.0 4.6



#51

Chlorobenzene

Concen: 28.289 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.000 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

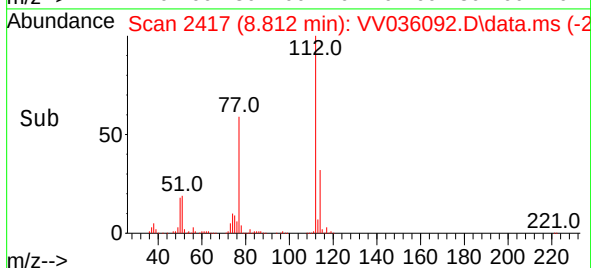
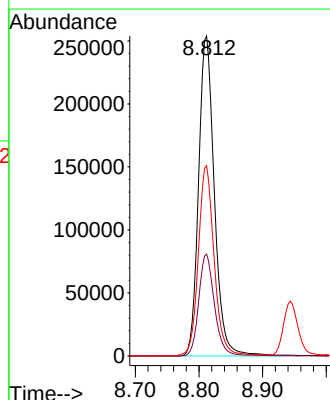
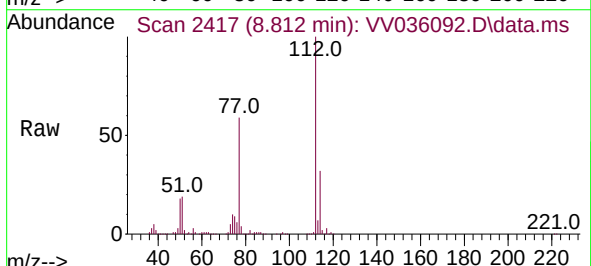
Tgt Ion:112 Resp: 438148

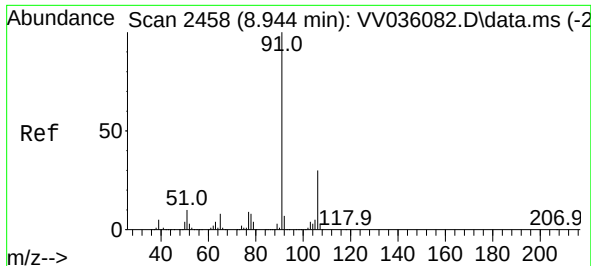
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.5

77 59.4 47.3 70.9





#52

Ethylbenzene

Concen: 29.537 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

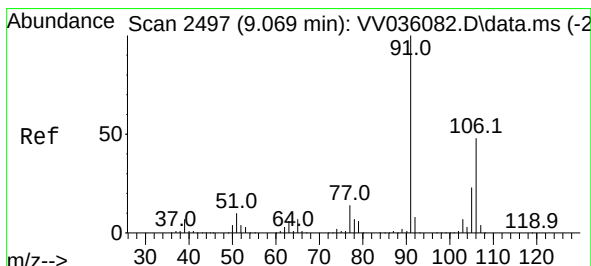
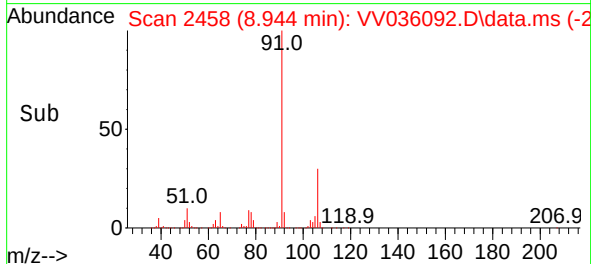
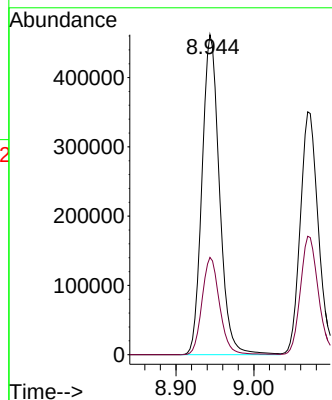
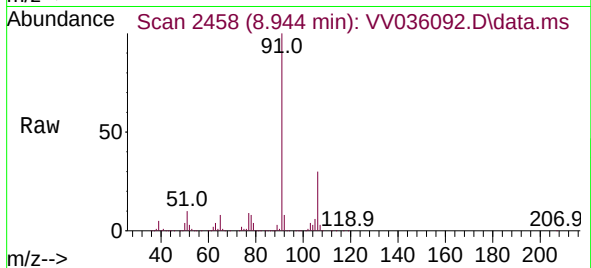
ClientSampleId :

Tgt Ion: 91 Resp: 718345

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0



#53

m,p-Xylene

Concen: 29.847 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.000 min

Lab File: VV036092.D

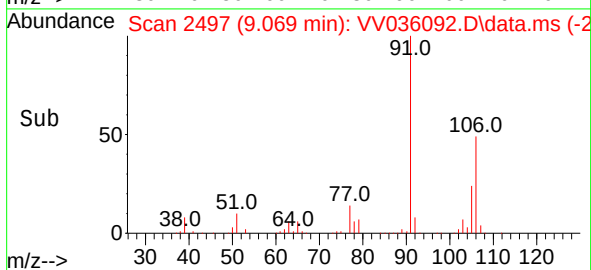
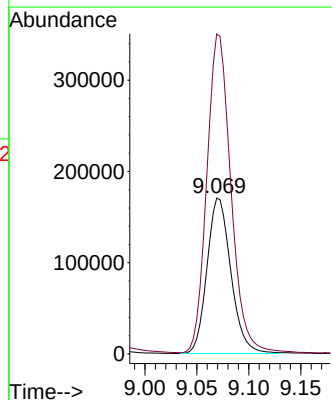
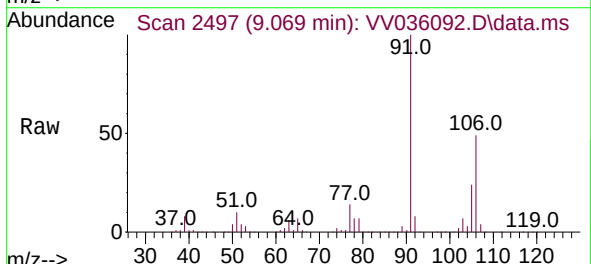
Acq: 14 Jun 2024 15:45

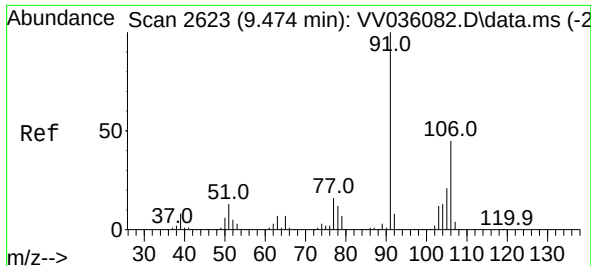
Tgt Ion:106 Resp: 272747

Ion Ratio Lower Upper

106 100

91 205.3 143.1 265.9

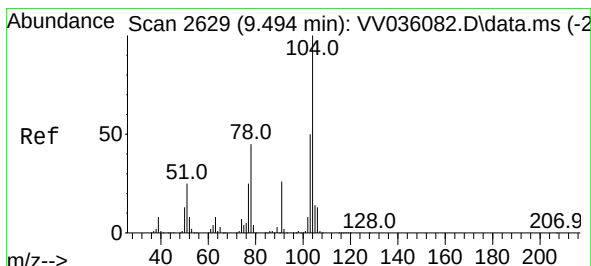
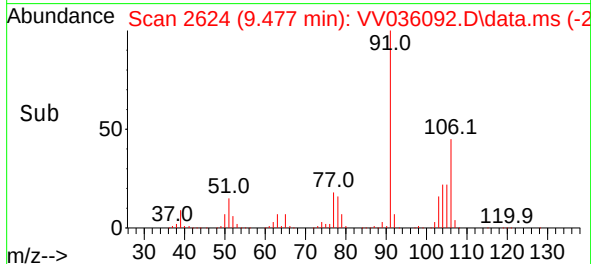
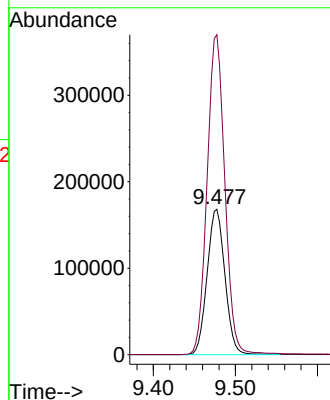
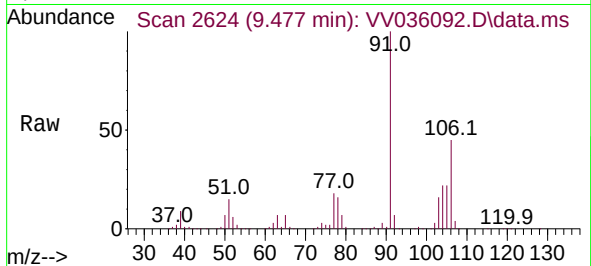




#54
o-Xylene
Concen: 29.490 ug/L
RT: 9.477 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

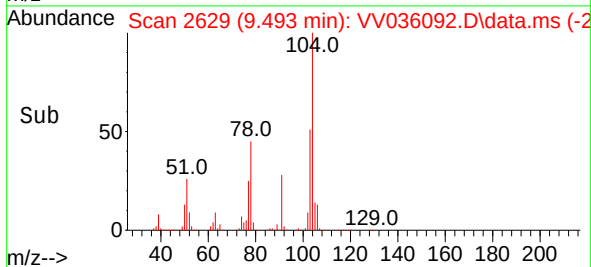
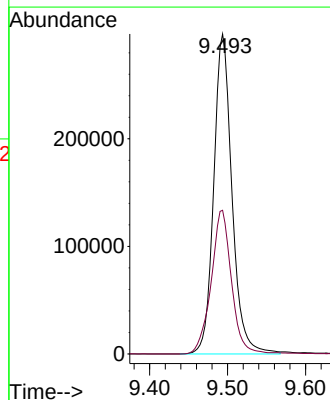
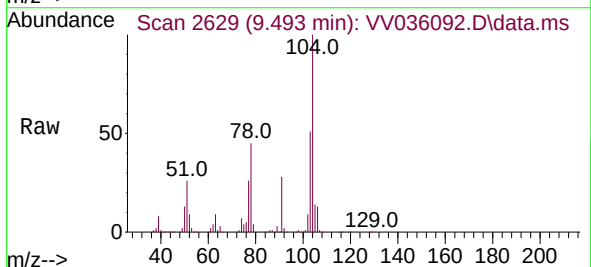
Instrument :
MSVOA_V
ClientSampleId :

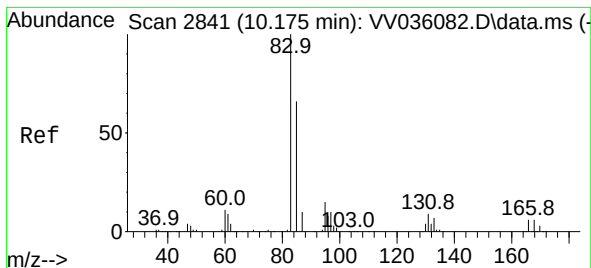
Tgt Ion:106 Resp: 254134
Ion Ratio Lower Upper
106 100
91 219.9 154.5 286.9



#55
Styrene
Concen: 31.972 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

Tgt Ion:104 Resp: 485876
Ion Ratio Lower Upper
104 100
78 44.9 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 33.103 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

ClientSampleId :

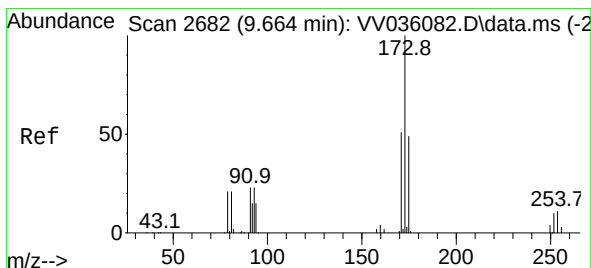
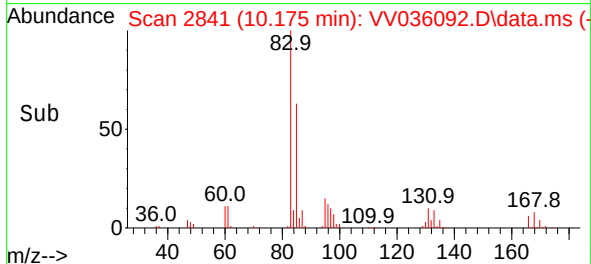
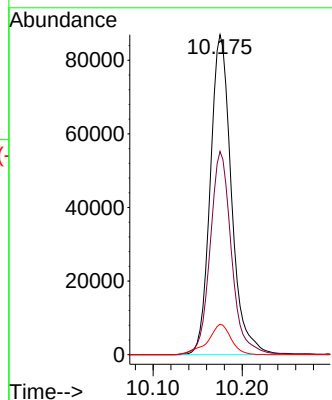
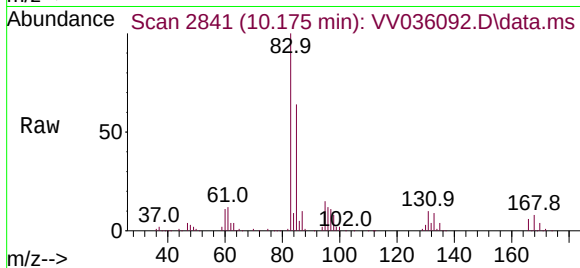
Tgt Ion: 83 Resp: 143260

Ion Ratio Lower Upper

83 100

85 63.5 45.1 83.7

131 9.5 7.6 11.4



#59

Bromoform

Concen: 31.169 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.000 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

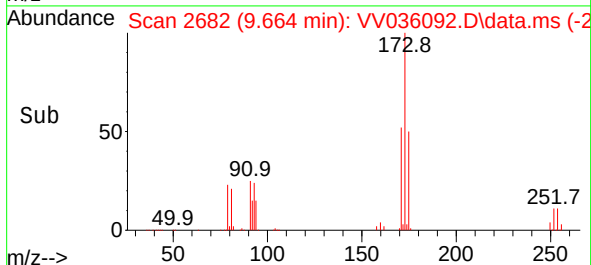
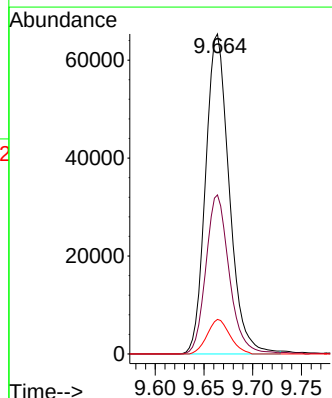
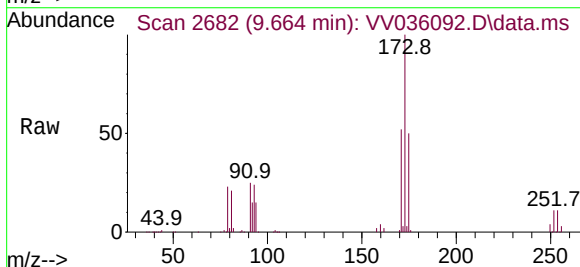
Tgt Ion: 173 Resp: 110299

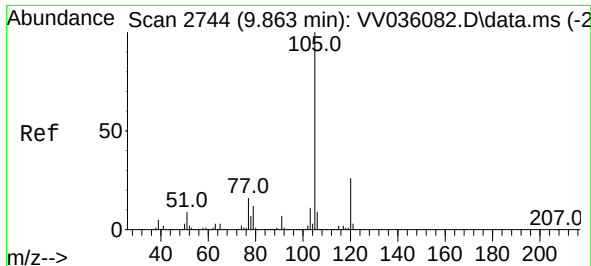
Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.6

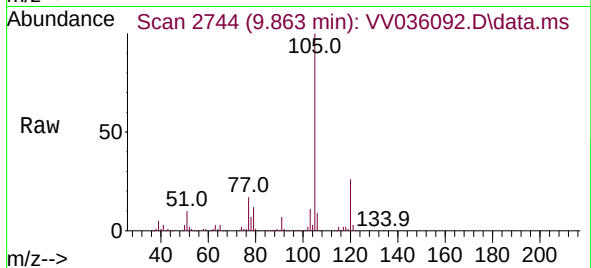
254 10.4 8.6 13.0



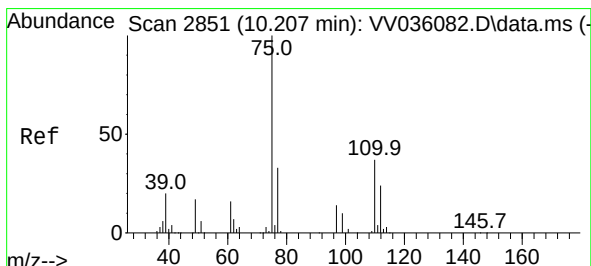
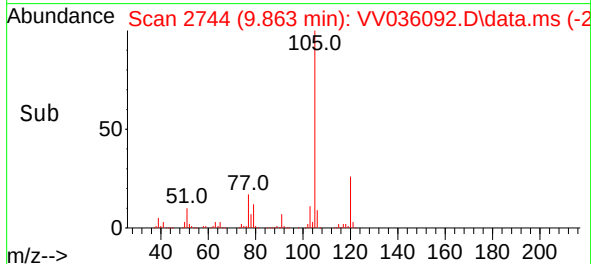
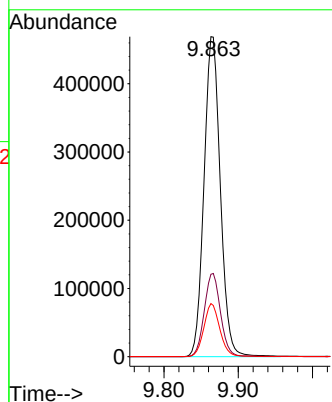


#60
Isopropylbenzene
Concen: 29.633 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

Instrument :
MSVOA_V
ClientSampleId :

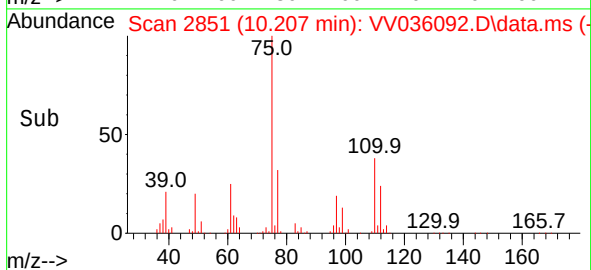
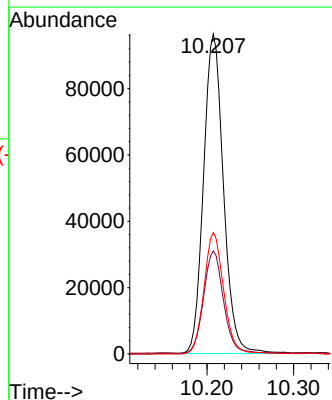
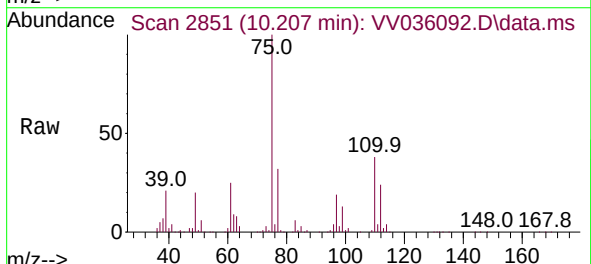


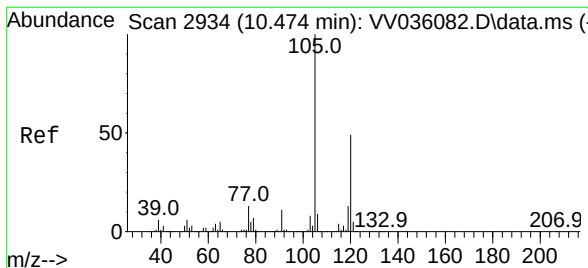
Tgt Ion:105 Resp: 713373
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 16.1 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 34.683 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

Tgt Ion: 75 Resp: 153921
Ion Ratio Lower Upper
75 100
77 31.7 26.0 39.0
110 37.3 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 28.190 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min MSVOA_V

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

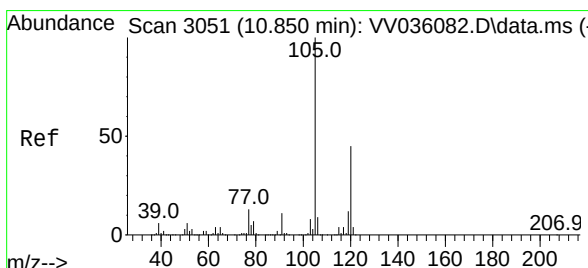
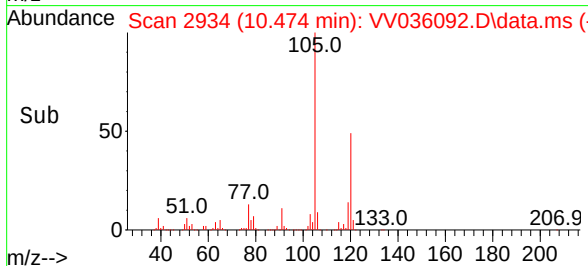
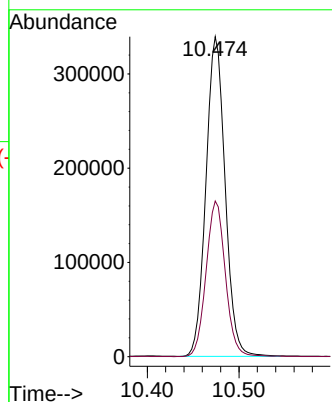
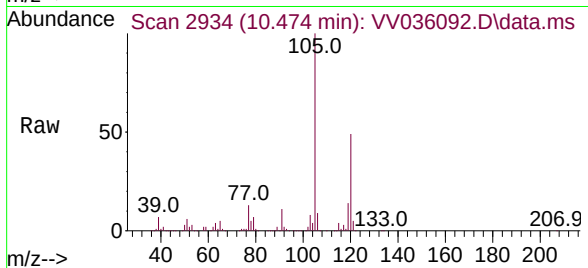
ClientSampleId :

Tgt Ion:105 Resp: 492106

Ion Ratio Lower Upper

105 100

120 49.1 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 29.000 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV036092.D

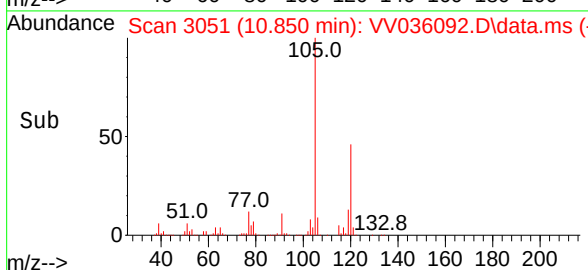
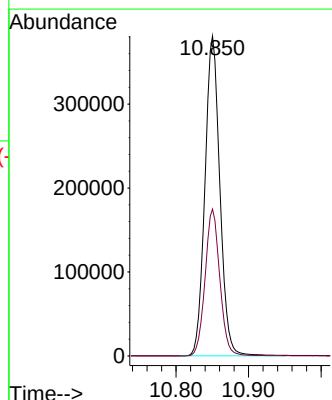
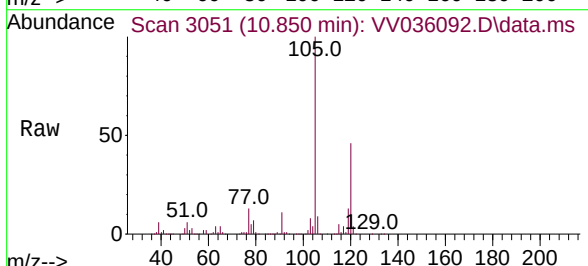
Acq: 14 Jun 2024 15:45

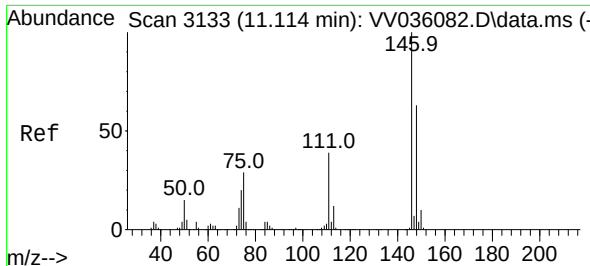
Tgt Ion:105 Resp: 545449

Ion Ratio Lower Upper

105 100

120 45.2 36.2 54.4

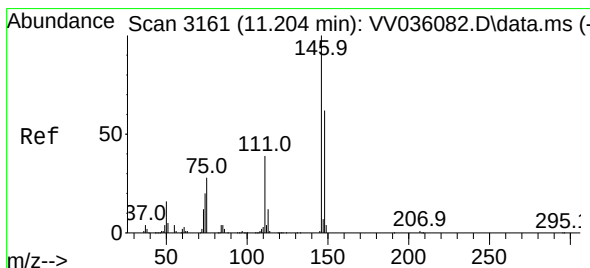
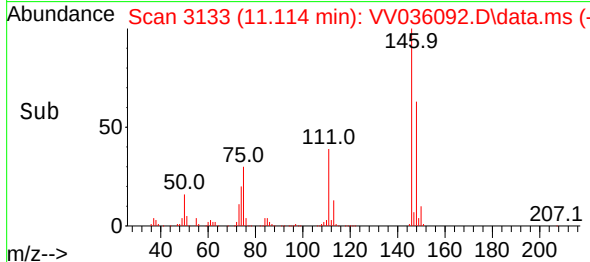
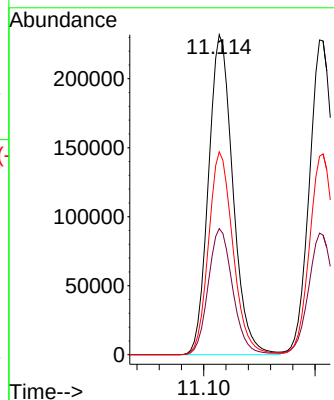
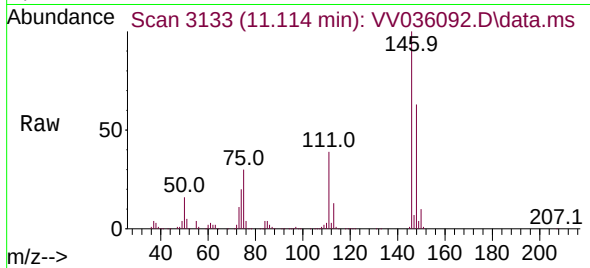




#64
1,3-Dichlorobenzene
Concen: 27.974 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. -0.000 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

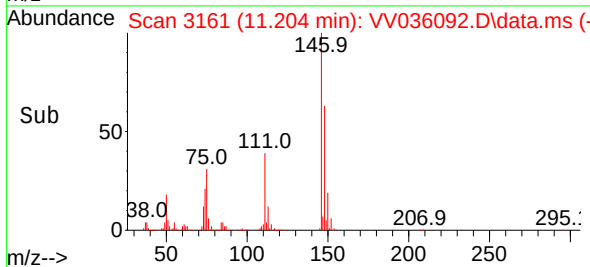
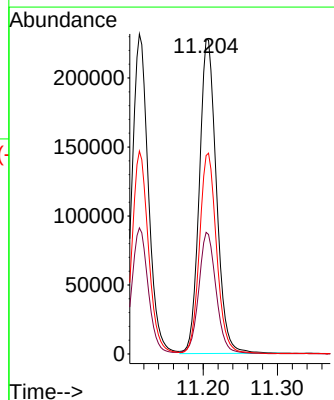
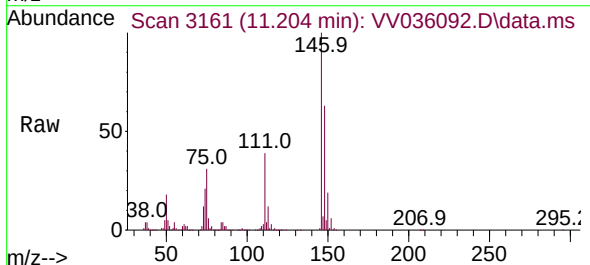
Instrument :
MSVOA_V
ClientSampleId :

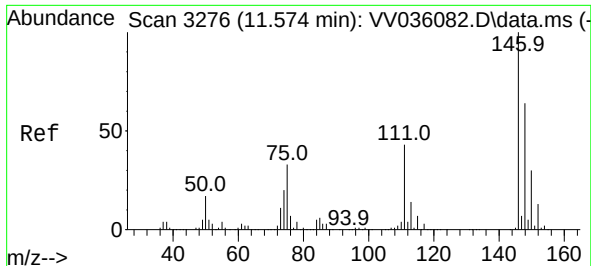
Tgt Ion:146 Resp: 353665
Ion Ratio Lower Upper
146 100
111 39.4 28.1 52.1
148 63.4 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 27.983 ug/L
RT: 11.204 min Scan# 3161
Delta R.T. -0.000 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

Tgt Ion:146 Resp: 365156
Ion Ratio Lower Upper
146 100
111 38.6 26.9 50.1
148 63.0 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 28.587 ug/L

RT: 11.577 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

ClientSampleId :

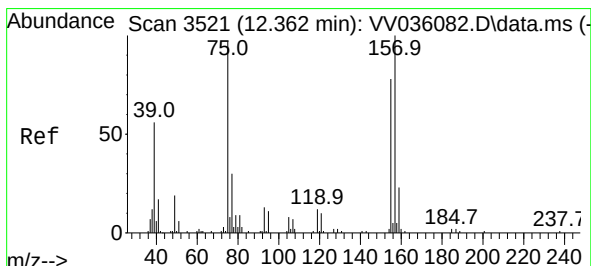
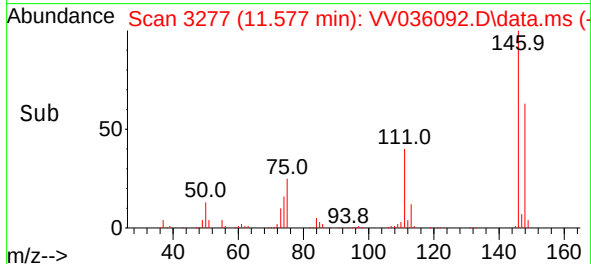
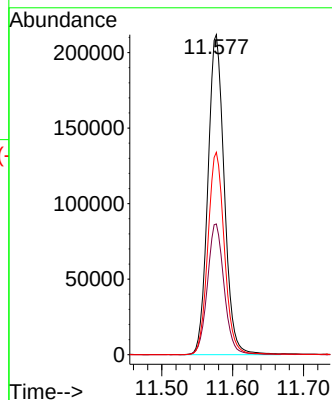
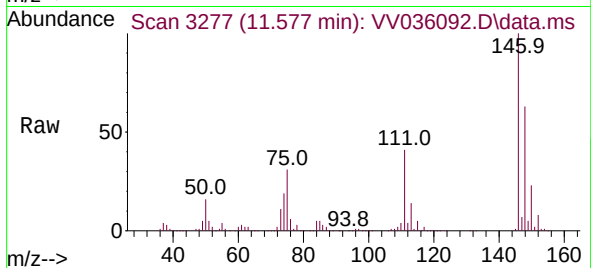
Tgt Ion:146 Resp: 340099

Ion Ratio Lower Upper

146 100

111 40.8 33.5 50.3

148 63.2 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 36.939 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

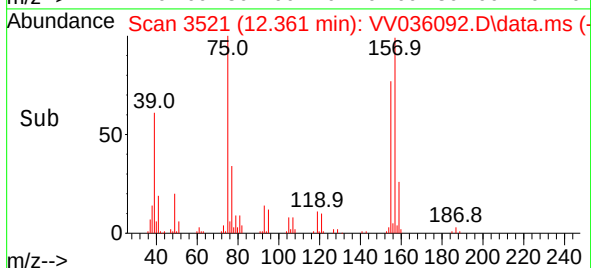
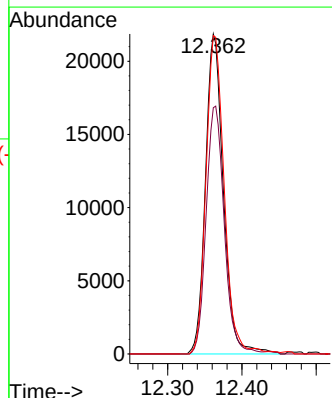
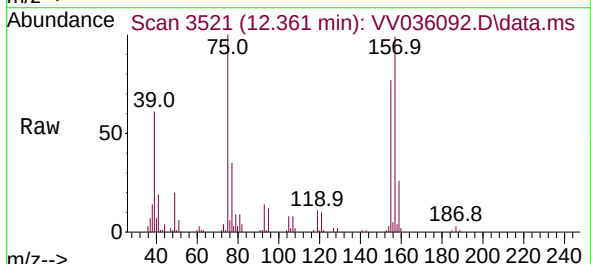
Tgt Ion: 75 Resp: 36658

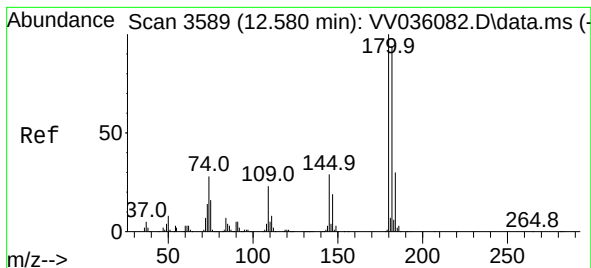
Ion Ratio Lower Upper

75 100

155 76.9 63.3 94.9

157 99.5 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 25.930 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

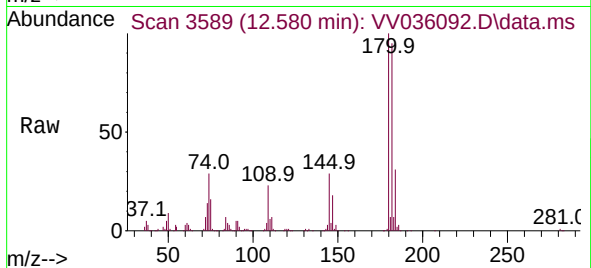
Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 245218

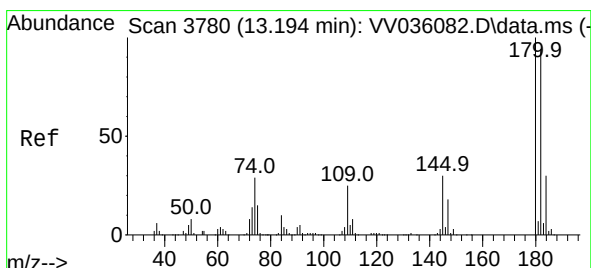
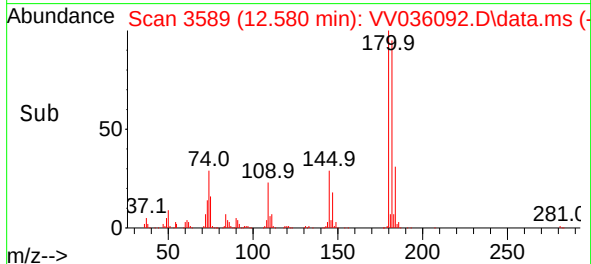
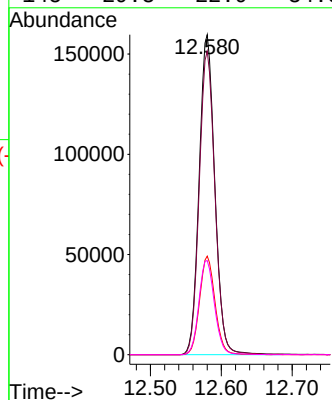
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.4

184 30.3 24.2 36.2

145 29.3 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 26.399 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV036092.D

Acq: 14 Jun 2024 15:45

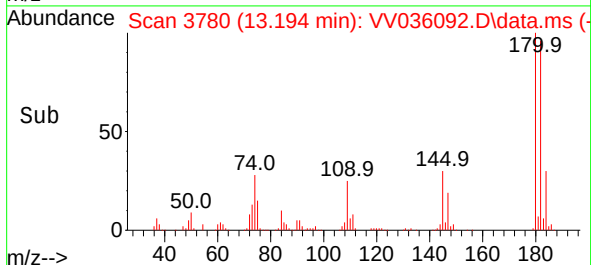
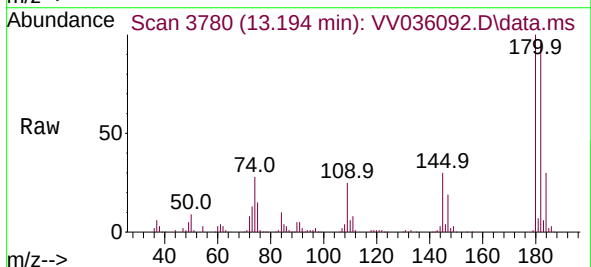
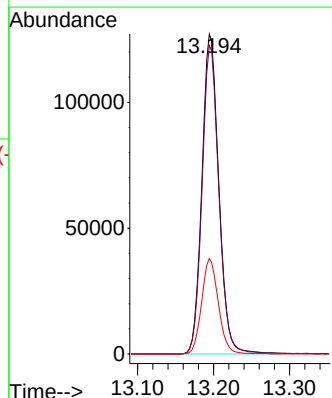
Tgt Ion:180 Resp: 196568

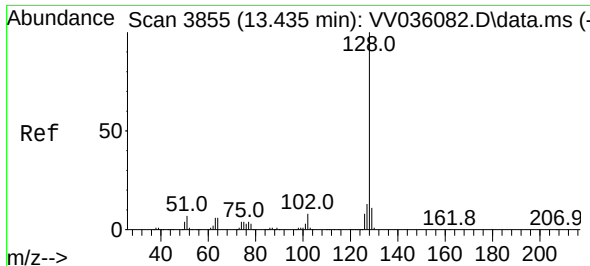
Ion Ratio Lower Upper

180 100

182 95.9 76.1 114.1

145 29.4 23.5 35.3

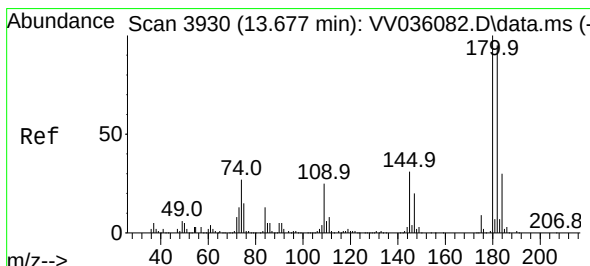
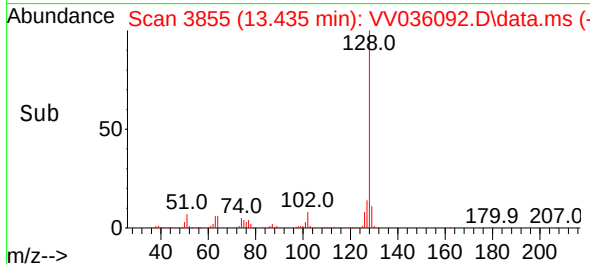
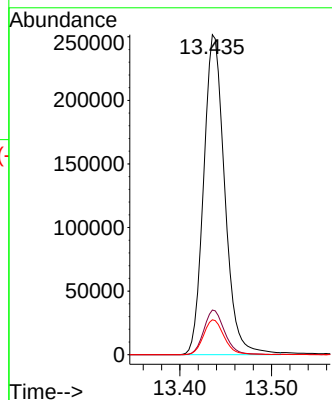
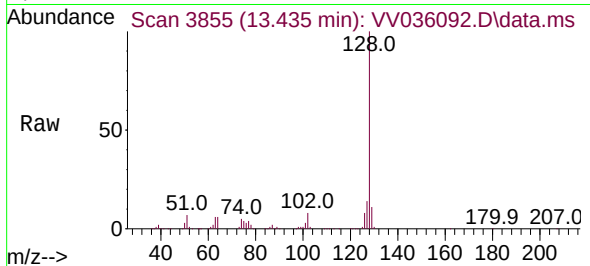




#71
Naphthalene
Concen: 33.040 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. -0.000 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 401490
Ion Ratio Lower Upper
128 100
127 13.8 10.6 16.0
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 29.798 ug/L
RT: 13.677 min Scan# 3930
Delta R.T. -0.000 min
Lab File: VV036092.D
Acq: 14 Jun 2024 15:45

Tgt Ion:180 Resp: 202474
Ion Ratio Lower Upper
180 100
182 95.6 75.1 112.7
145 31.8 25.2 37.8

