

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082824\
 Data File : VV037140.D
 Acq On : 28 Aug 2024 18:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 29 04:48:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 29 04:43:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	602395	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	576764	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	298871	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	219475	39.829	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.660%
7) Chloroethane-d5	1.529	69	186527	43.798	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.600%
11) 1,1-Dichloroethene-d2	2.056	65	99967	43.162	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.320%
21) 2-Butanone-d5	3.799	46	240940	112.909	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.910%
24) Chloroform-d	4.243	84	416107	48.248	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.500%
26) 1,2-Dichloroethane-d4	4.937	65	258344	47.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.140%
32) Benzene-d6	4.953	84	798304	45.825	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.660%
36) 1,2-Dichloropropane-d6	5.985	67	254232	46.594	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.180%
41) Toluene-d8	7.239	98	714629	45.454	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.900%
43) trans-1,3-Dichloroprop...	7.551	79	115266	45.662	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.320%
47) 2-Hexanone-d5	8.024	63	182227	122.371	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.370%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	349893	52.874	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.740%
66) 1,2-Dichlorobenzene-d4	11.554	152	275577	46.039	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	237387	46.633	ug/L	99
3) Chloromethane	1.217	50	257379	44.958	ug/L	99
5) Vinyl chloride	1.281	62	275951	51.346	ug/L	99
6) Bromomethane	1.484	94	150427	49.952	ug/L	98
8) Chloroethane	1.548	64	174274	53.014	ug/L	98
9) Trichlorofluoromethane	1.712	101	360290	51.371	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	209353	50.187	ug/L	100
12) 1,1-Dichloroethene	2.066	96	205817	52.370	ug/L	95
13) Acetone	2.114	43	185152	80.902	ug/L	98
14) Carbon disulfide	2.236	76	584557	48.995	ug/L	100
15) Methyl Acetate	2.371	43	242732	63.263	ug/L	99
16) Methylene chloride	2.442	84	240285	54.189	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	217735	53.368	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	719826	56.087	ug/L	99
19) 1,1-Dichloroethane	3.105	63	445605	54.997	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	234120	51.931	ug/L	98
22) 2-Butanone	3.879	43	260905	103.543	ug/L	99
23) Bromochloromethane	4.140	128	117875	53.263	ug/L	98
25) Chloroform	4.272	83	425648	51.873	ug/L	100

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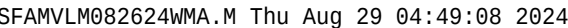
Instrument :
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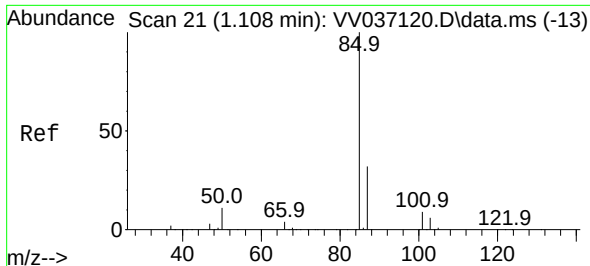
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	322834	53.634	ug/L	99
29) Cyclohexane	4.571	56	322338	47.532	ug/L	97
30) 1,1,1-Trichloroethane	4.503	97	349466	52.659	ug/L	99
31) Carbon tetrachloride	4.725	117	295205	52.716	ug/L	99
33) Benzene	5.002	78	891533	53.562	ug/L	100
34) Trichloroethene	5.828	95	227202	51.715	ug/L	99
35) Methylcyclohexane	6.043	83	336171	47.096	ug/L	100
37) 1,2-Dichloropropane	6.088	63	240027	53.789	ug/L	99
38) Bromodichloromethane	6.429	83	304225	53.192	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	366280	52.014	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	559366	123.300	ug/L	99
42) Toluene	7.310	91	934640	53.931	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	332060	52.755	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	228152	54.924	ug/L	98
46) Tetrachloroethene	7.899	164	161290	51.167	ug/L	96
48) 2-Hexanone	8.075	43	403130	114.899	ug/L	98
49) Dibromochloromethane	8.172	129	223422	53.714	ug/L	97
50) 1,2-Dibromoethane	8.278	107	234132	55.700	ug/L	99
51) Chlorobenzene	8.809	112	603208	52.575	ug/L	99
52) Ethylbenzene	8.940	91	1035777	52.912	ug/L	100
53) m,p-Xylene	9.069	106	386992	53.357	ug/L	98
54) o-Xylene	9.474	106	375016	52.808	ug/L	100
55) Styrene	9.490	104	670493	54.413	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	357899	58.174	ug/L	99
59) Bromoform	9.661	173	147833	53.119	ug/L	99
60) Isopropylbenzene	9.863	105	1008132	52.031	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	271727	58.445	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	819452	51.693	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	827837	52.329	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	454117	50.757	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	476203	52.004	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	455936	51.828	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.358	75	66321	57.200	ug/L	94
69) 1,3,5-Trichlorobenzene	12.577	180	302775	48.636	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	289620	49.406	ug/L	100
71) Naphthalene	13.432	128	945724	55.870	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	293898	50.875	ug/L	100

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

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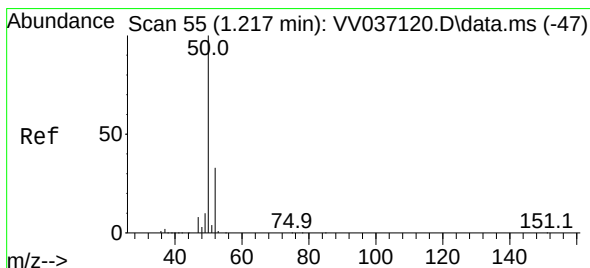
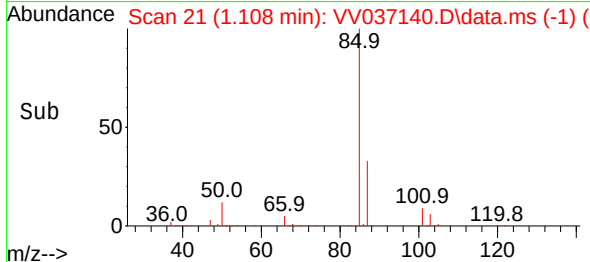
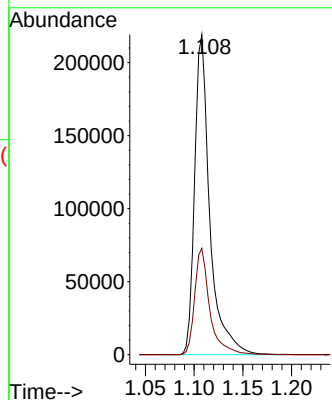
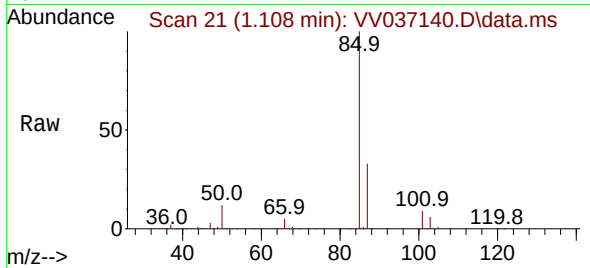




#2
 Dichlorodifluoromethane
 Concen: 46.633 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV037140.D
 Acq: 28 Aug 2024 18:48

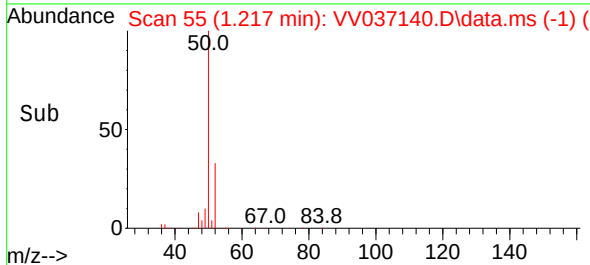
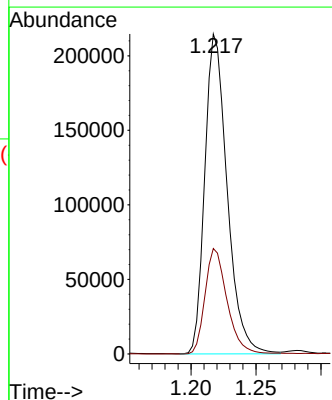
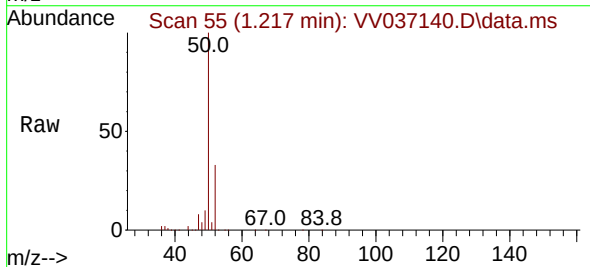
Instrument :
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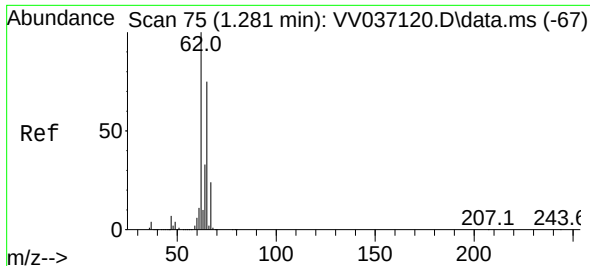
Tgt Ion: 85 Resp: 237387
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.9 38.9



#3
 Chloromethane
 Concen: 44.958 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV037140.D
 Acq: 28 Aug 2024 18:48

Tgt Ion: 50 Resp: 257379
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.5 41.9

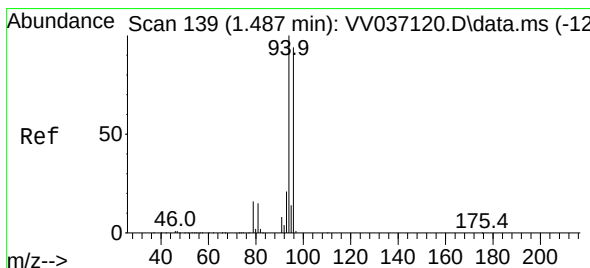
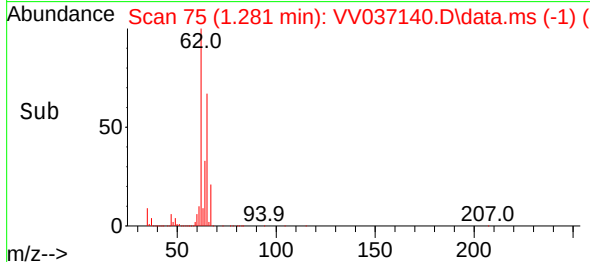
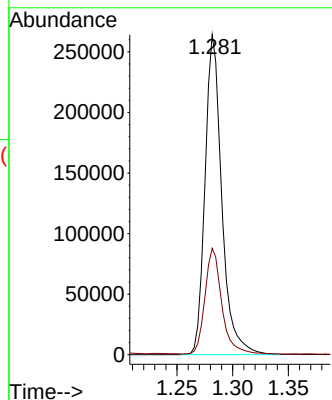
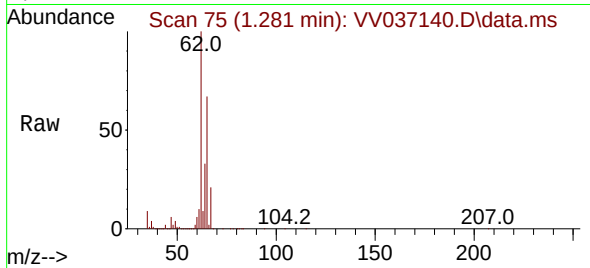




#5
 Vinyl chloride
 Concen: 51.346 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV037140.D
 Acq: 28 Aug 2024 18:48

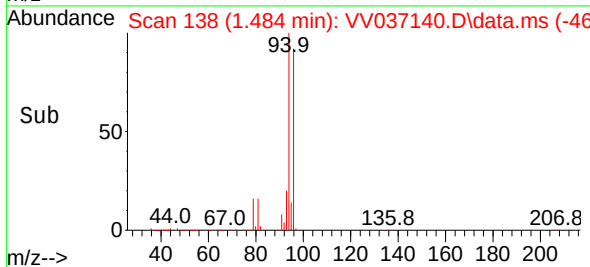
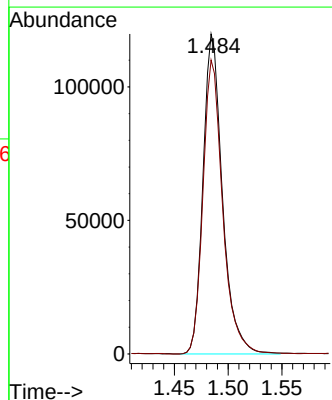
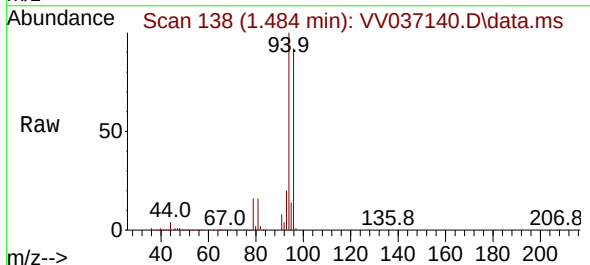
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 ClientSampleId :

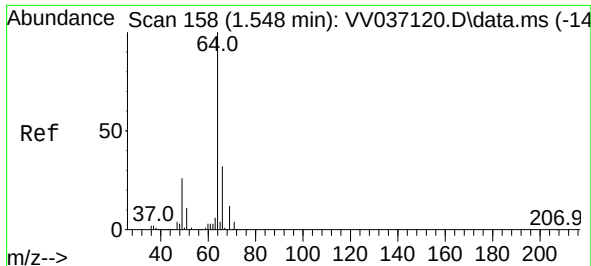
Tgt Ion: 62 Resp: 275951
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.8 42.4



#6
 Bromomethane
 Concen: 49.952 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV037140.D
 Acq: 28 Aug 2024 18:48

Tgt Ion: 94 Resp: 150427
 Ion Ratio Lower Upper
 94 100
 96 91.9 65.6 121.8

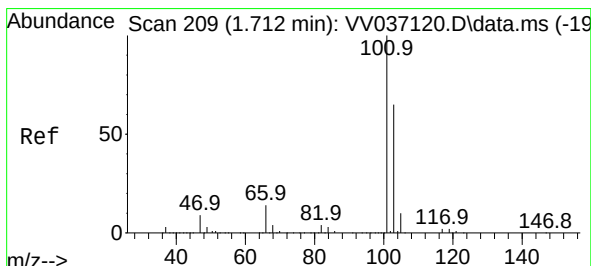
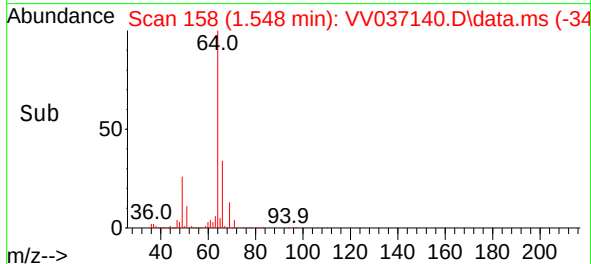
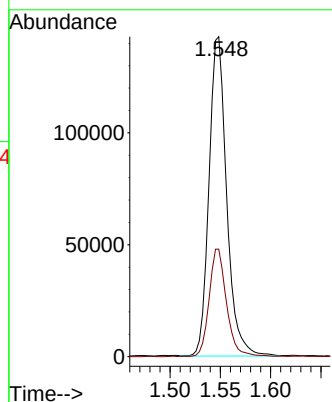
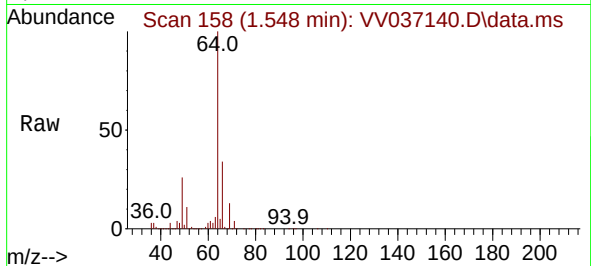




#8
Chloroethane
Concen: 53.014 ug/L
RT: 1.548 min Scan# 158
Delta R.T. 0.000 min
Lab File: VV037140.D
Acq: 28 Aug 2024 18:48

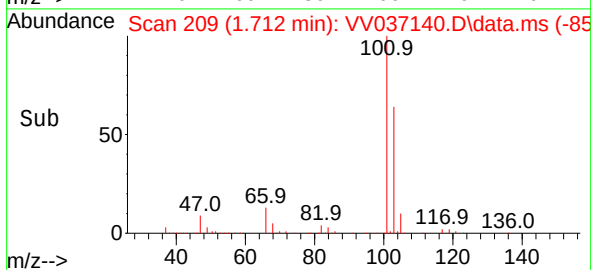
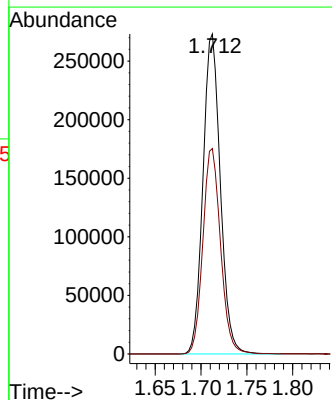
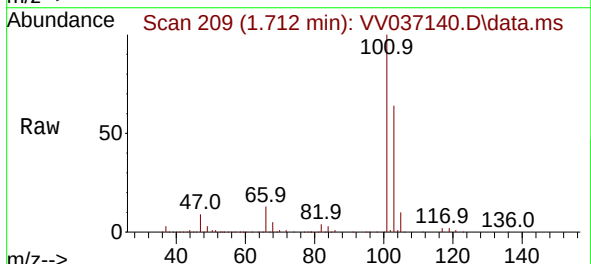
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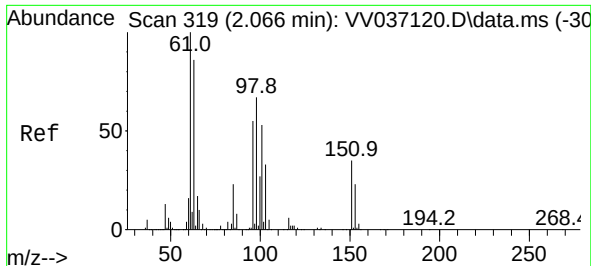
Tgt Ion: 64 Resp: 174274
Ion Ratio Lower Upper
64 100
66 33.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 51.371 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV037140.D
Acq: 28 Aug 2024 18:48

Tgt Ion:101 Resp: 360290
Ion Ratio Lower Upper
101 100
103 65.2 51.7 77.5

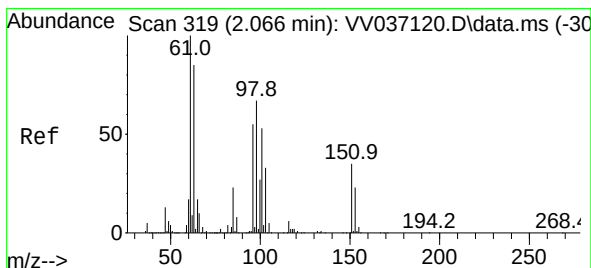
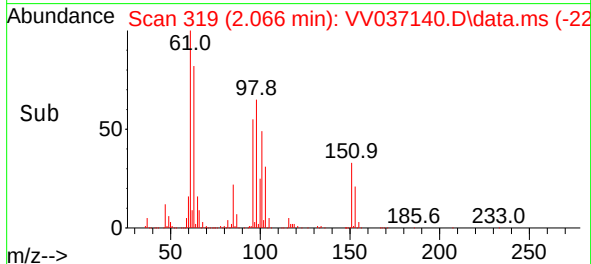
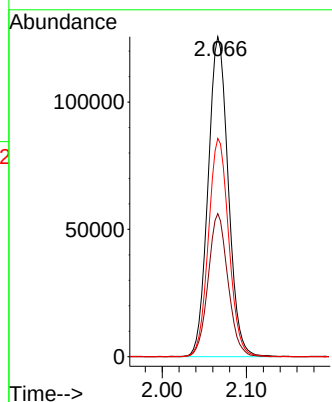
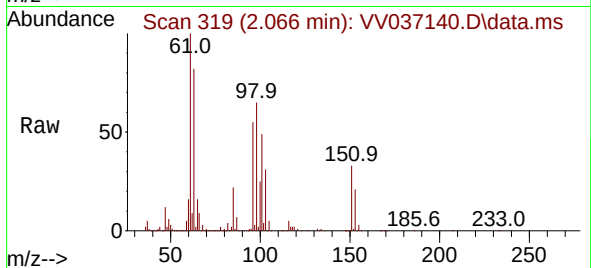




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.187 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VV037140.D
 Acq: 28 Aug 2024 18:48

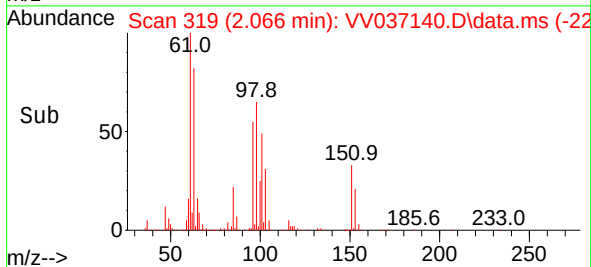
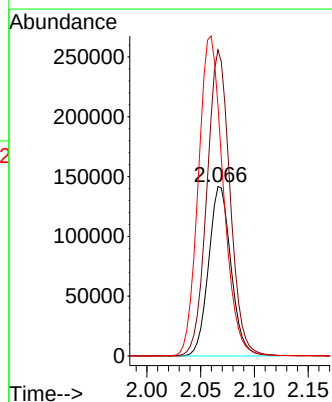
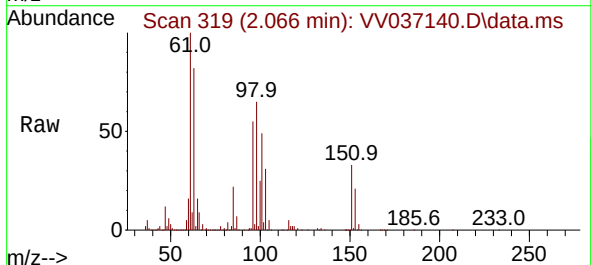
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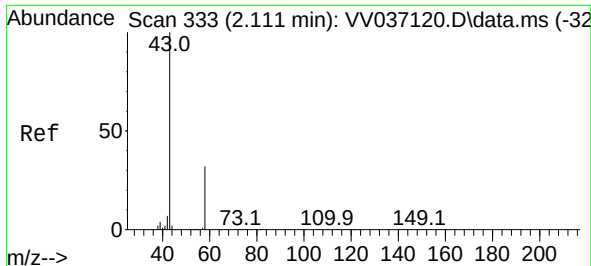
Tgt Ion:101 Resp: 209353
 Ion Ratio Lower Upper
 101 100
 85 44.0 35.6 53.4
 151 68.7 55.0 82.4



#12
 1,1-Dichloroethene
 Concen: 52.370 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VV037140.D
 Acq: 28 Aug 2024 18:48

Tgt Ion: 96 Resp: 205817
 Ion Ratio Lower Upper
 96 100
 61 180.7 123.8 229.8
 63 147.9 96.5 179.1





#13

Acetone

Concen: 80.902 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

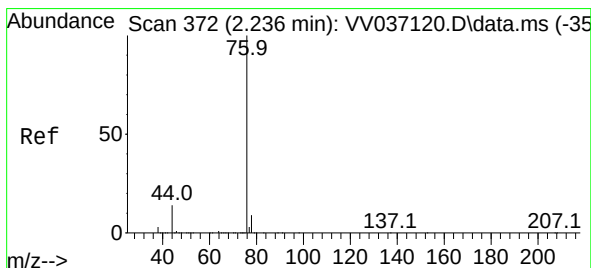
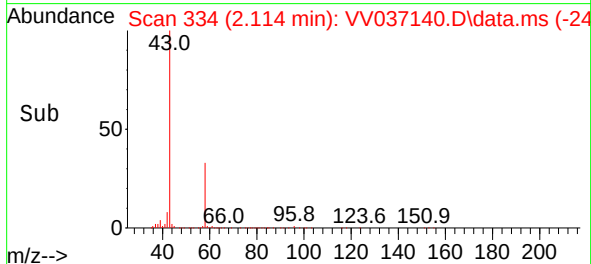
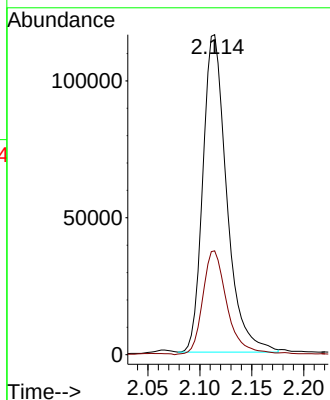
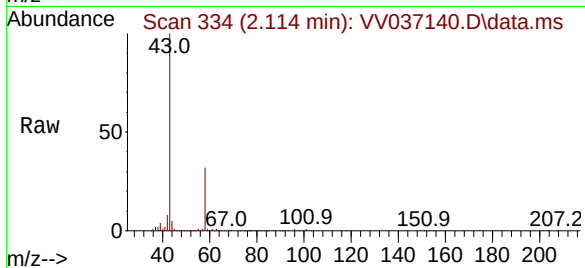
ClientSampleId :

Tgt Ion: 43 Resp: 185152

Ion Ratio Lower Upper

43 100

58 33.5 0.0 64.8



#14

Carbon disulfide

Concen: 48.995 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.000 min

Lab File: VV037140.D

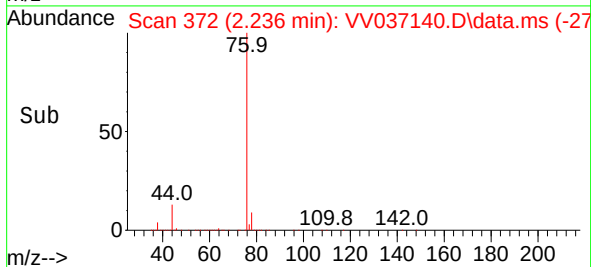
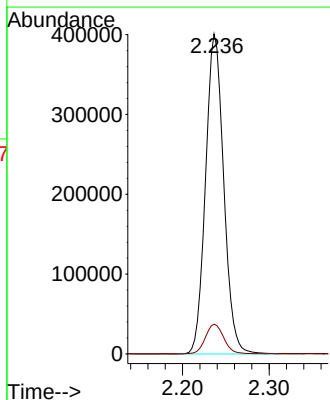
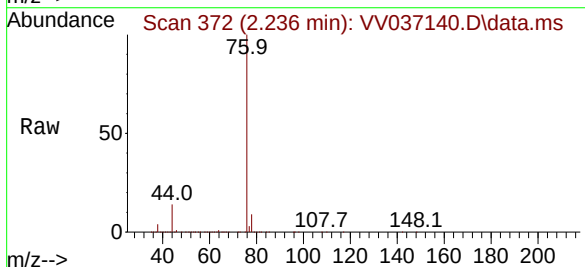
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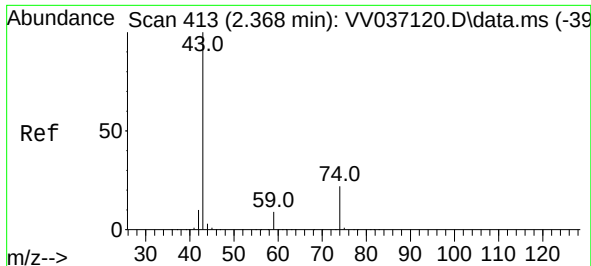
Tgt Ion: 76 Resp: 584557

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3





#15

Methyl Acetate

Concen: 63.263 ug/L

RT: 2.371 min Scan# 413

Delta R.T. 0.003 min

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Instrument :

MSVOA_V

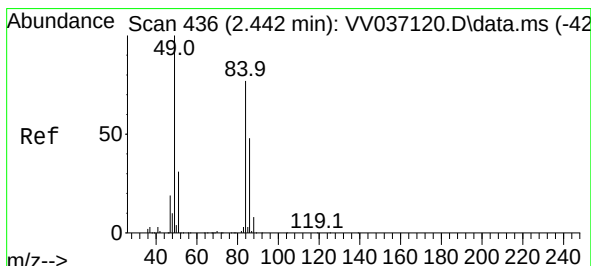
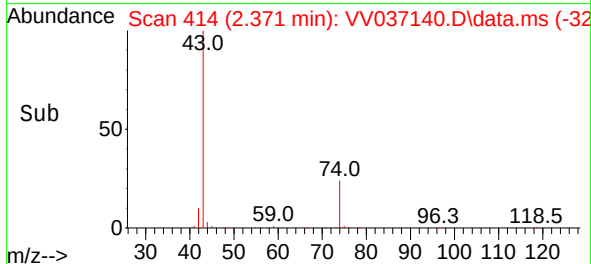
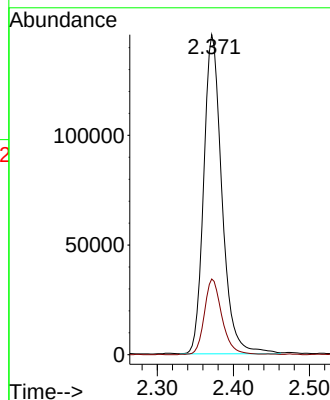
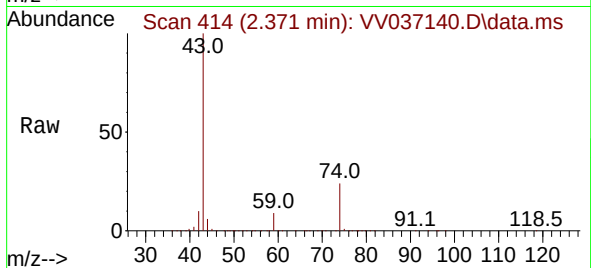
ClientSampleId :

Tgt Ion: 43 Resp: 242732

Ion Ratio Lower Upper

43 100

74 22.6 18.4 27.6



#16

Methylene chloride

Concen: 54.189 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

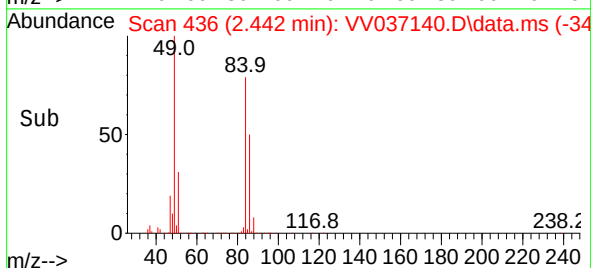
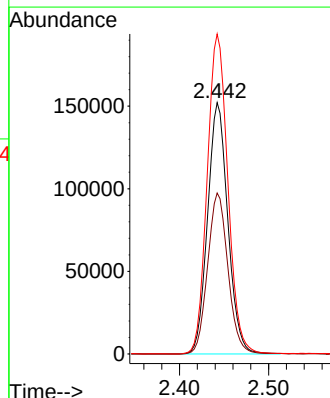
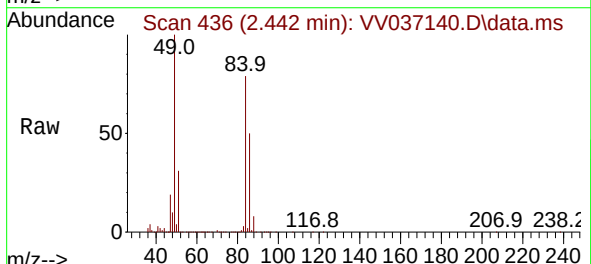
Tgt Ion: 84 Resp: 240285

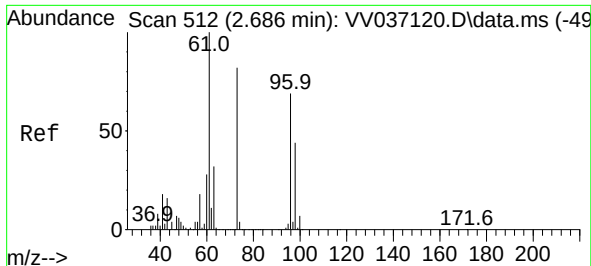
Ion Ratio Lower Upper

84 100

86 64.0 44.7 82.9

49 127.3 91.4 169.8





#17

trans-1,2-Dichloroethene

Concen: 53.368 ug/L

RT: 2.687 min Scan# 512

Delta R.T. 0.000 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

ClientSampleId :

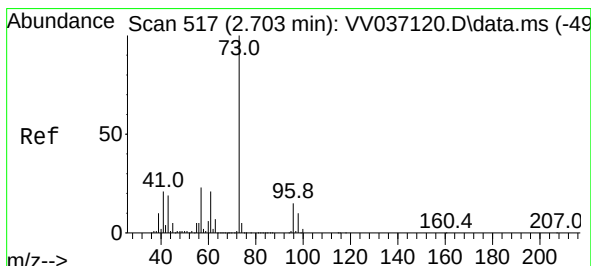
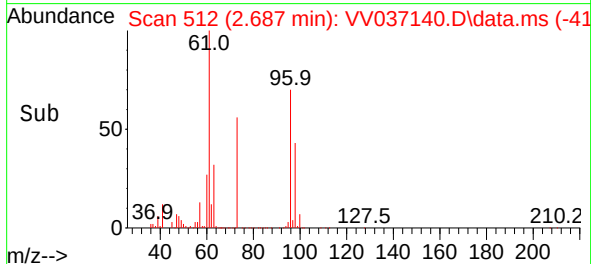
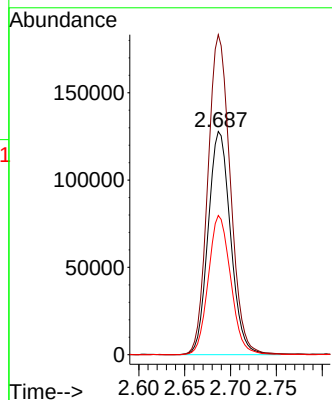
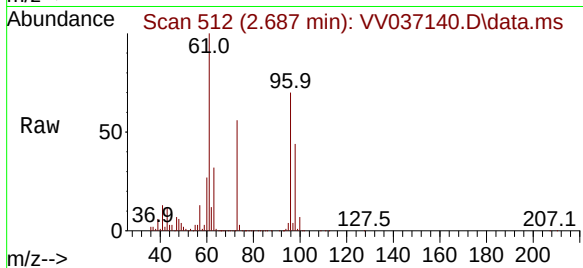
Tgt Ion: 96 Resp: 217735

Ion Ratio Lower Upper

96 100

61 143.3 102.3 189.9

98 62.4 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 56.087 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

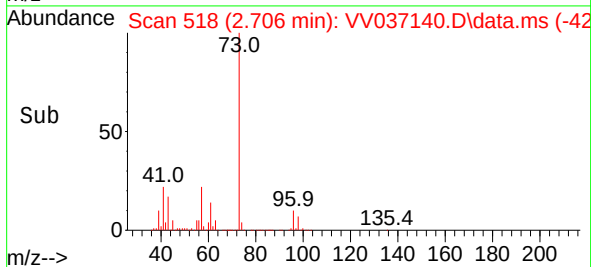
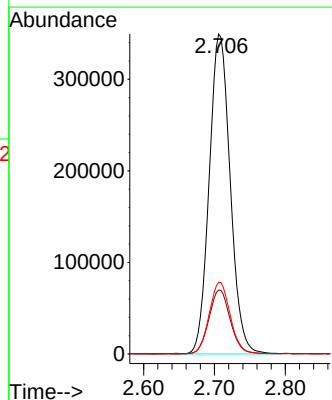
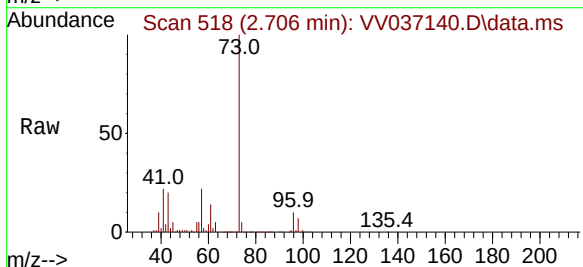
Tgt Ion: 73 Resp: 719826

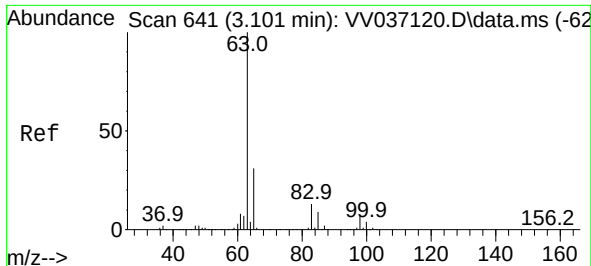
Ion Ratio Lower Upper

73 100

43 20.0 15.8 23.6

57 22.3 18.1 27.1





#19

1,1-Dichloroethane

Concen: 54.997 ug/L

RT: 3.105 min Scan# 641

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

ClientSampleId :

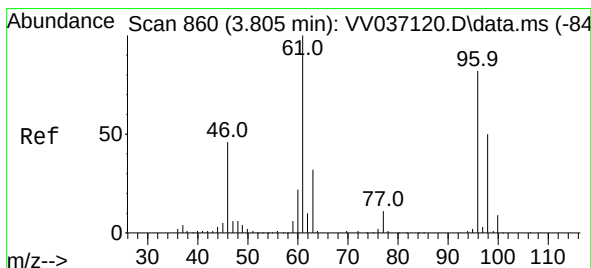
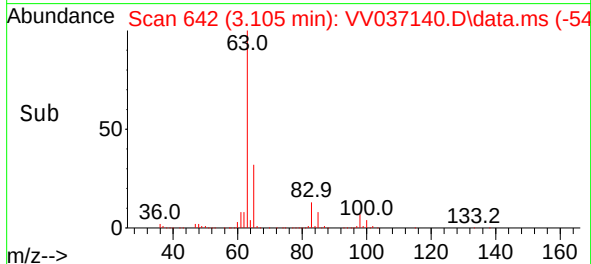
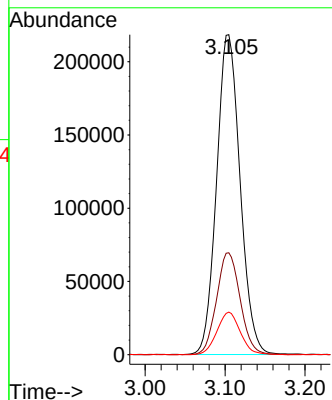
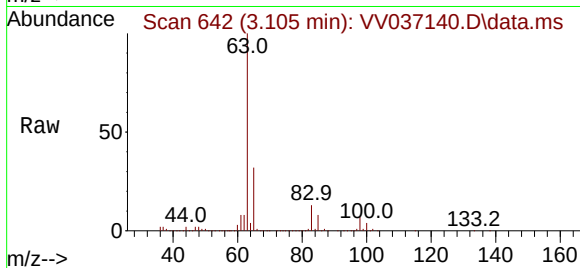
Tgt Ion: 63 Resp: 445605

Ion Ratio Lower Upper

63 100

65 31.8 22.0 41.0

83 13.3 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 51.931 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

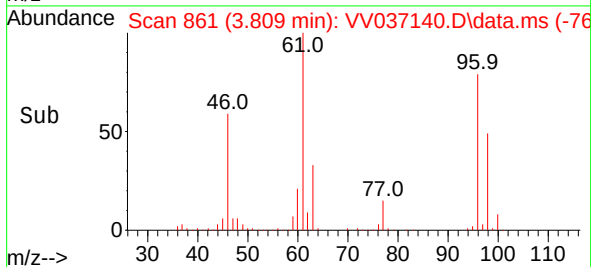
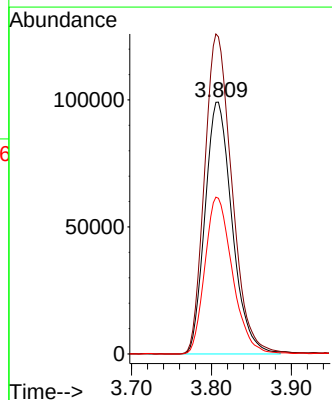
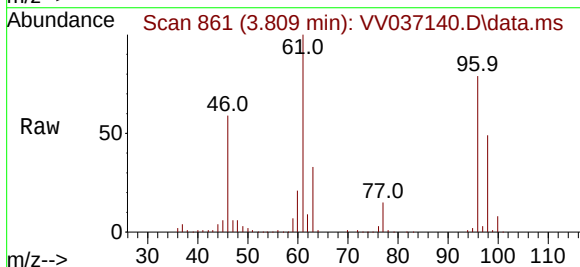
Tgt Ion: 96 Resp: 234120

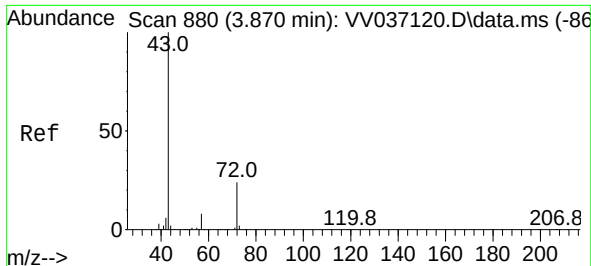
Ion Ratio Lower Upper

96 100

61 125.9 89.9 166.9

98 61.8 44.8 83.2

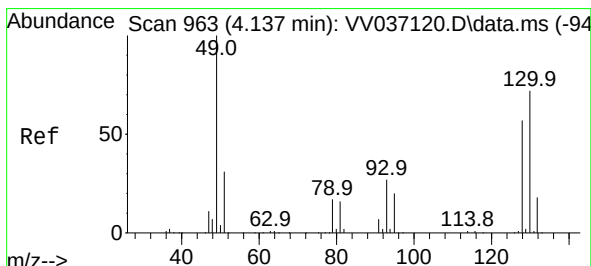
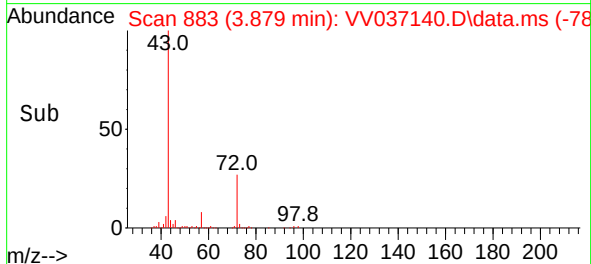
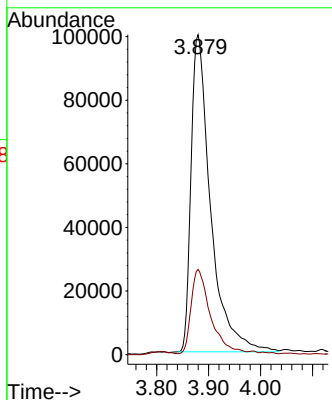
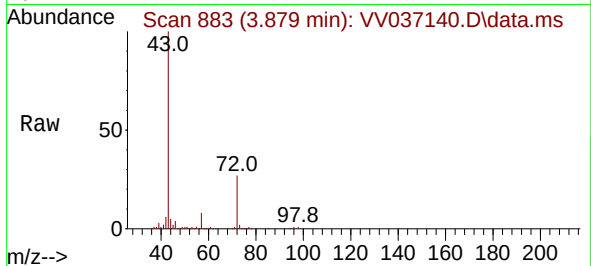




#22
2-Butanone
Concen: 103.543 ug/L
RT: 3.879 min Scan# 880
Delta R.T. 0.010 min
Lab File: VV037140.D
Acq: 28 Aug 2024 18:48

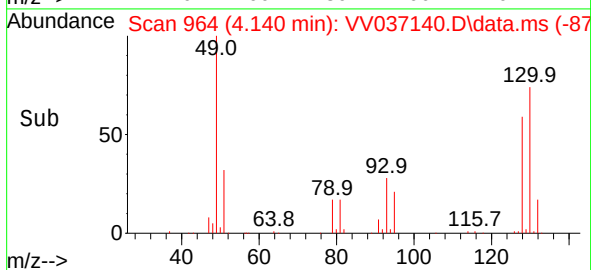
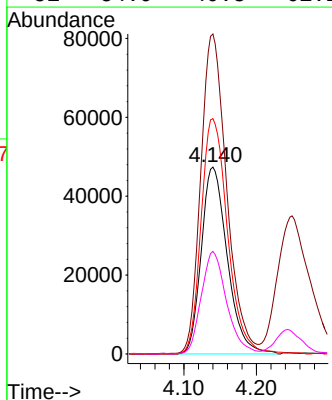
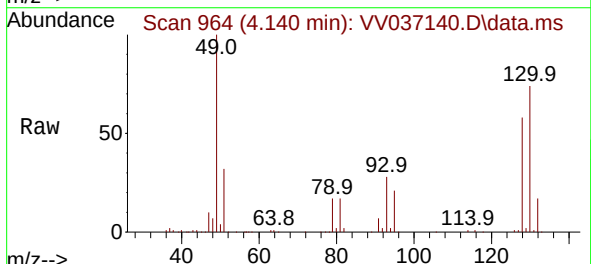
Instrument :
MSVOA_V
ClientSampleId :

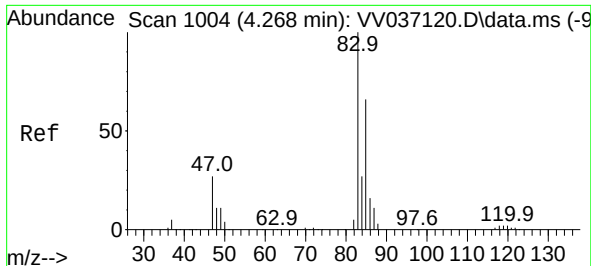
Tgt Ion: 43 Resp: 260905
Ion Ratio Lower Upper
43 100
72 25.7 12.7 38.0



#23
Bromochloromethane
Concen: 53.263 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.003 min
Lab File: VV037140.D
Acq: 28 Aug 2024 18:48

Tgt Ion:128 Resp: 117875
Ion Ratio Lower Upper
128 100
49 171.3 117.2 217.6
130 126.0 87.6 162.8
51 54.9 40.8 61.2





#25

Chloroform

Concen: 51.873 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

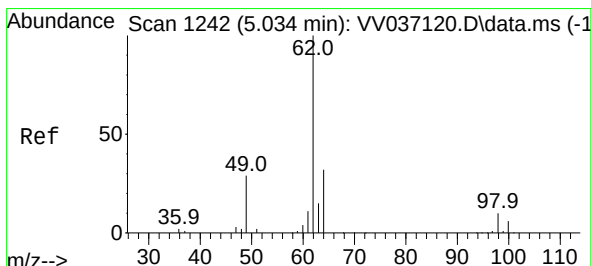
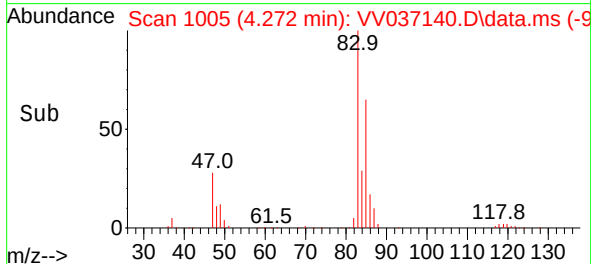
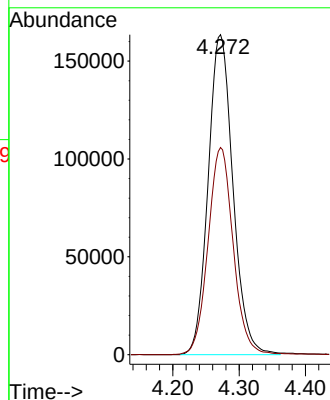
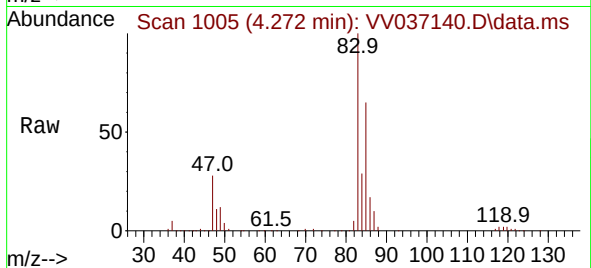
ClientSampleId :

Tgt Ion: 83 Resp: 425648

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.7



#27

1,2-Dichloroethane

Concen: 53.634 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV037140.D

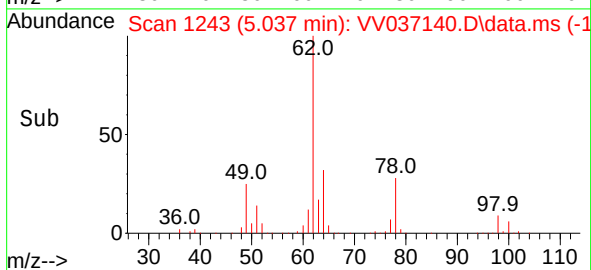
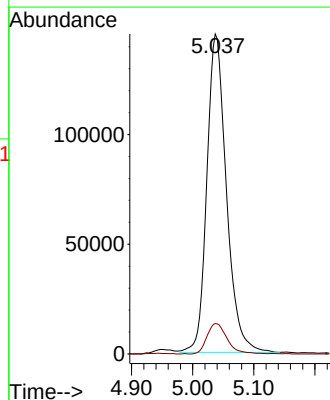
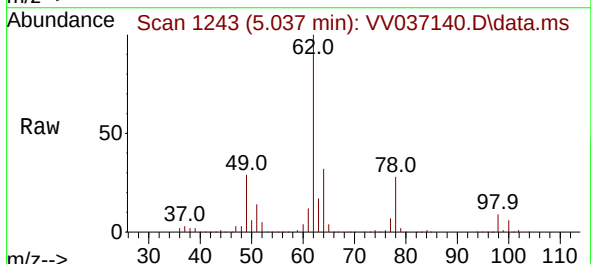
Acq: 28 Aug 2024 18:48

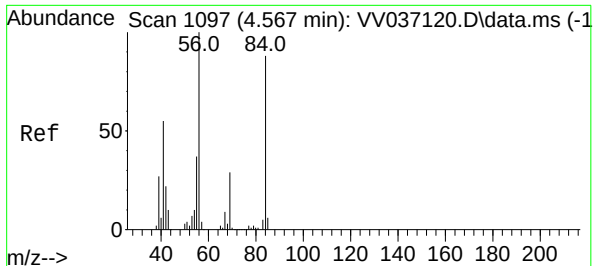
Tgt Ion: 62 Resp: 322834

Ion Ratio Lower Upper

62 100

98 9.5 8.0 12.0





#29

Cyclohexane

Concen: 47.532 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

ClientSampleId :

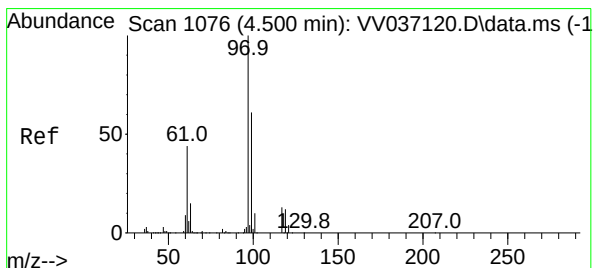
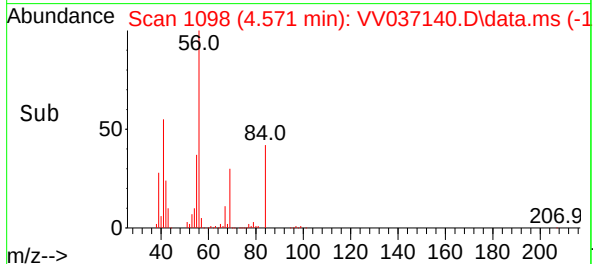
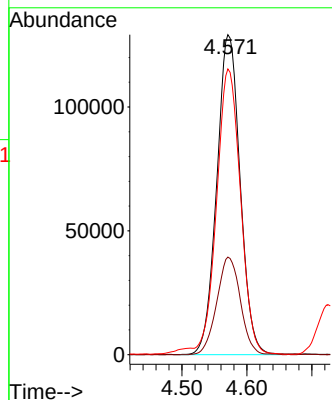
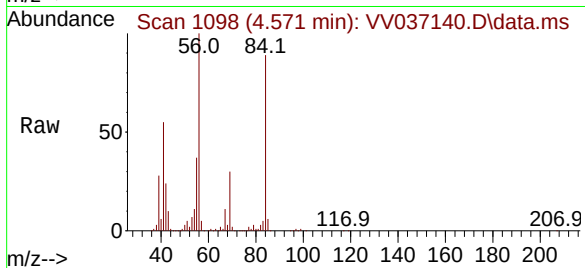
Tgt Ion: 56 Resp: 322338

Ion Ratio Lower Upper

56 100

69 30.8 24.2 36.4

84 90.7 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 52.659 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

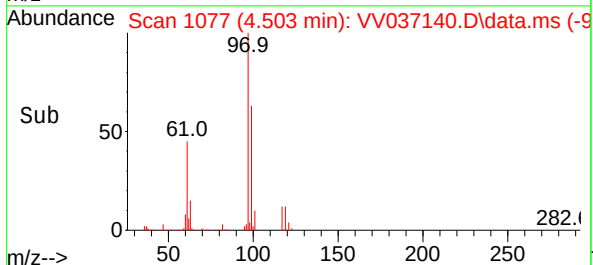
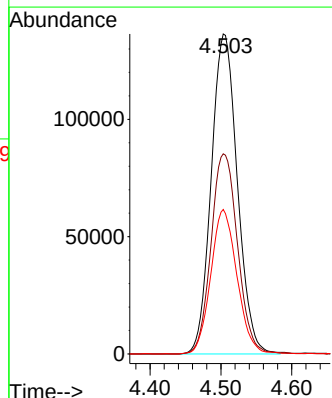
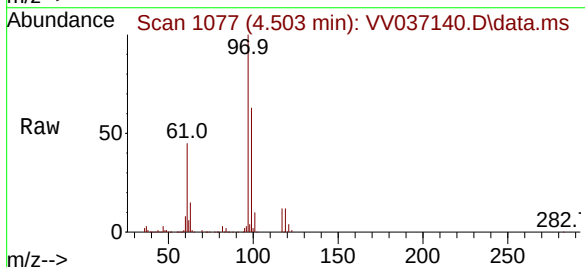
Tgt Ion: 97 Resp: 349466

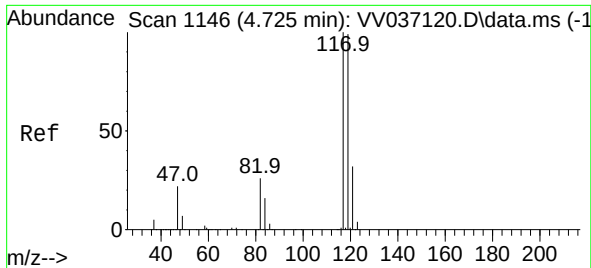
Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

61 45.4 35.8 53.6

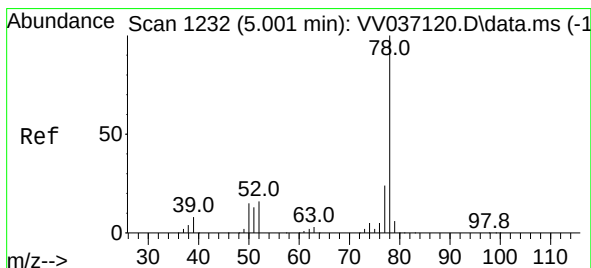
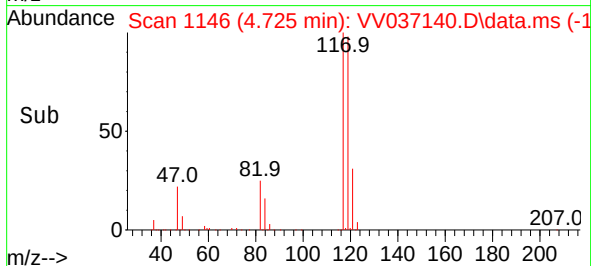
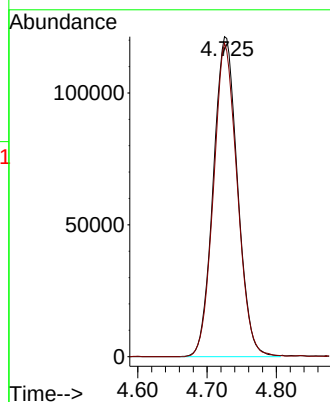
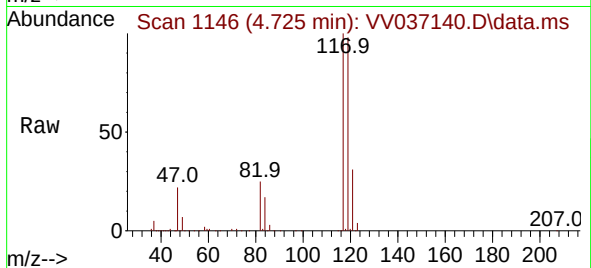




#31
Carbon tetrachloride
Concen: 52.716 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VV037140.D
Acq: 28 Aug 2024 18:48

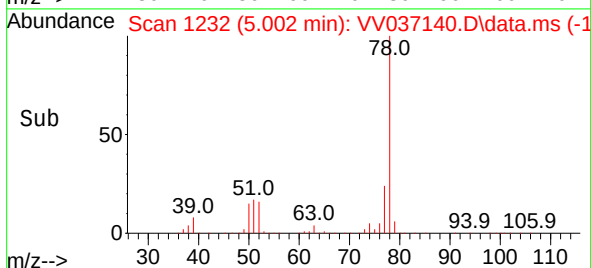
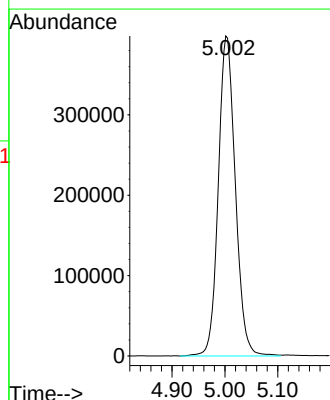
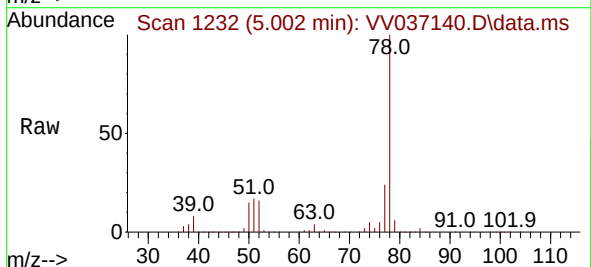
Instrument :
MSVOA_V
ClientSampleId :

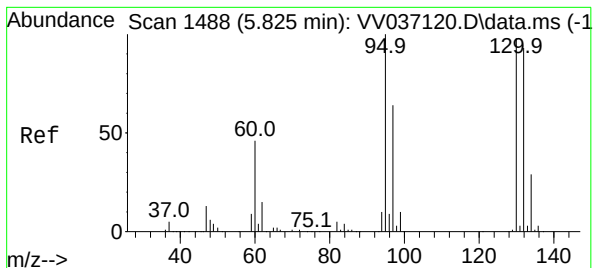
Tgt Ion:117 Resp: 295205
Ion Ratio Lower Upper
117 100
119 95.9 75.8 113.6



#33
Benzene
Concen: 53.562 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VV037140.D
Acq: 28 Aug 2024 18:48

Tgt Ion: 78 Resp: 891533





#34

Trichloroethene

Concen: 51.715 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 227202

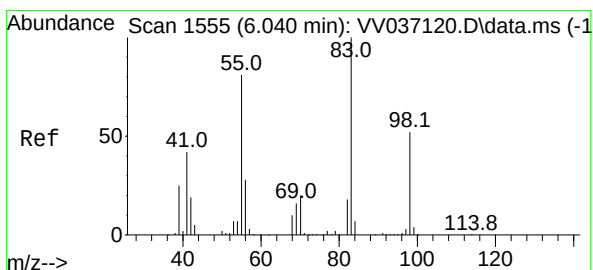
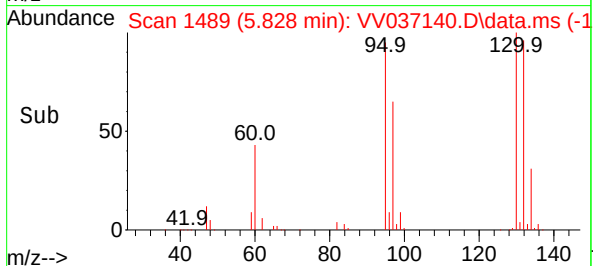
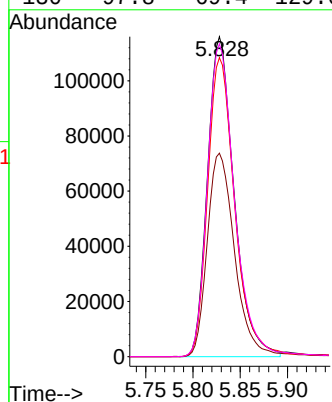
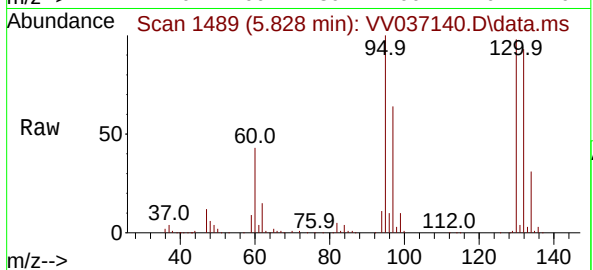
Ion Ratio Lower Upper

95 100

97 63.6 44.4 82.5

132 93.5 64.9 120.5

130 97.8 69.4 129.0



#35

Methylcyclohexane

Concen: 47.096 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

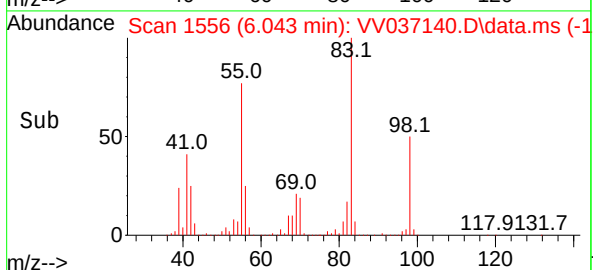
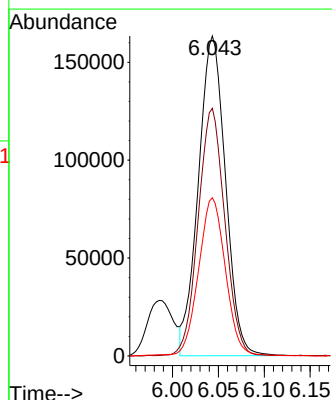
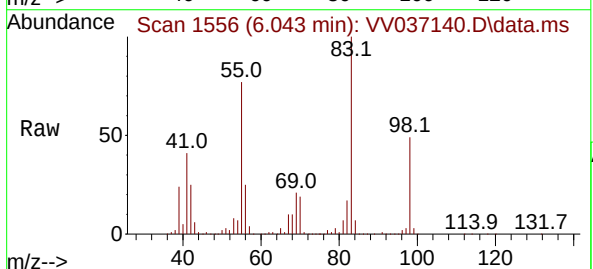
Tgt Ion: 83 Resp: 336171

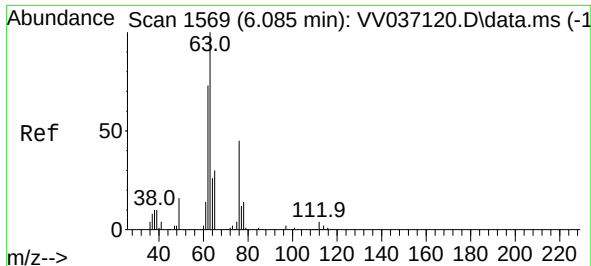
Ion Ratio Lower Upper

83 100

55 76.0 61.2 91.8

98 49.0 39.3 58.9

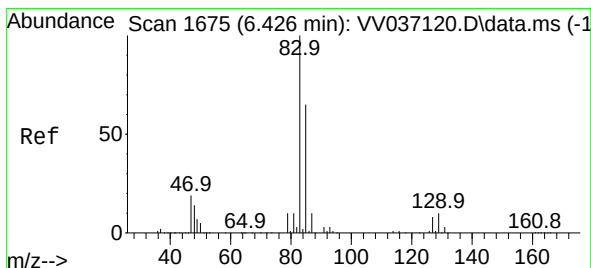
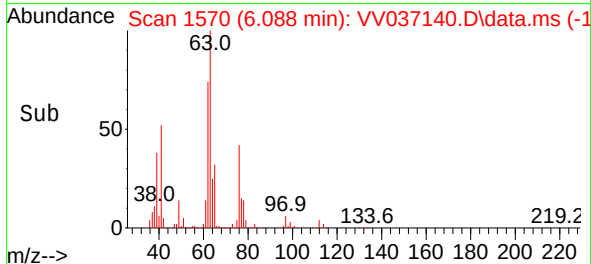
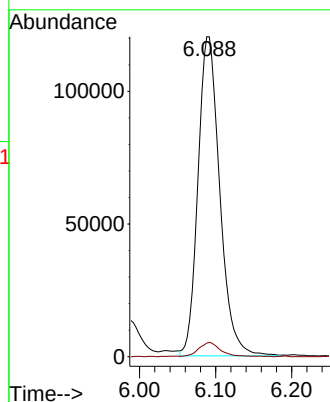
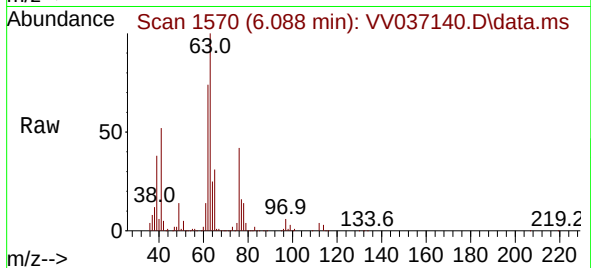




#37
1,2-Dichloropropane
Concen: 53.789 ug/L
RT: 6.088 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VV037140.D
Acq: 28 Aug 2024 18:48

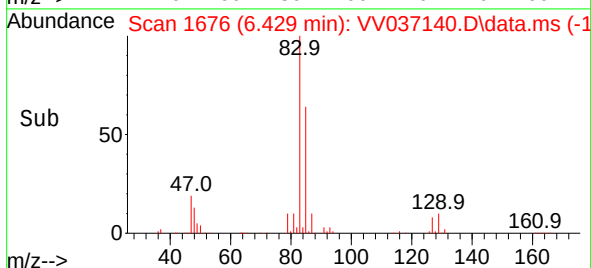
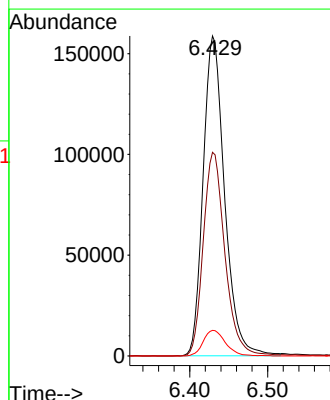
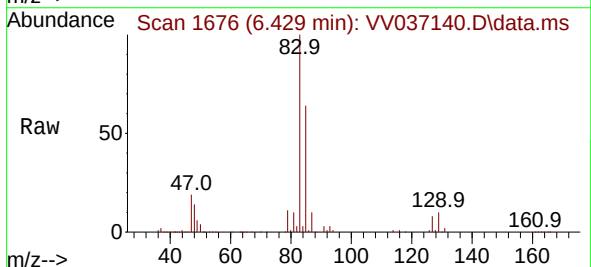
Instrument :
MSVOA_V
ClientSampleId :

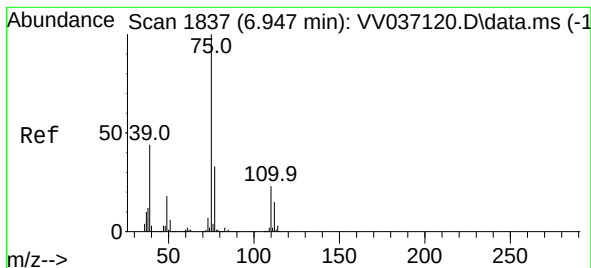
Tgt Ion: 63 Resp: 240027
Ion Ratio Lower Upper
63 100
112 4.2 3.5 5.3



#38
Bromodichloromethane
Concen: 53.192 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV037140.D
Acq: 28 Aug 2024 18:48

Tgt Ion: 83 Resp: 304225
Ion Ratio Lower Upper
83 100
85 63.6 44.5 82.7
127 8.0 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 52.014 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

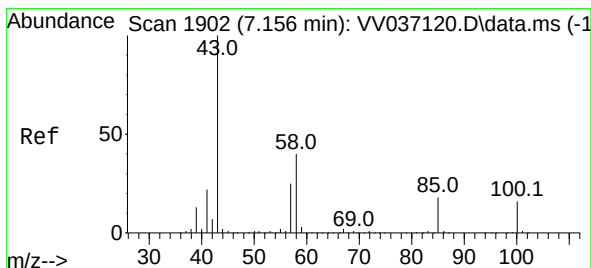
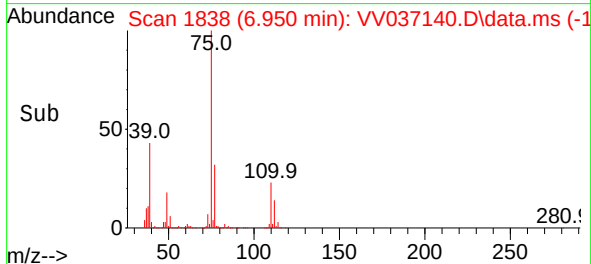
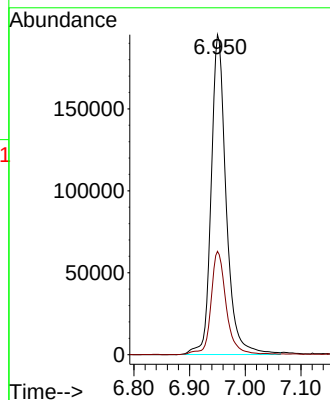
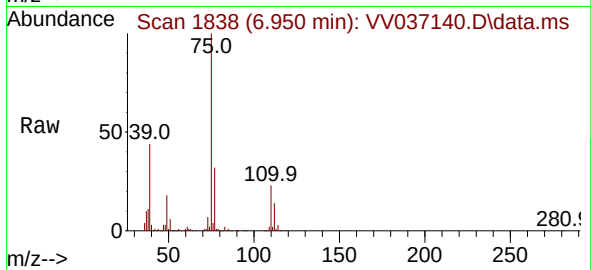
ClientSampleId :

Tgt Ion: 75 Resp: 366280

Ion Ratio Lower Upper

75 100

77 32.3 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 123.300 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

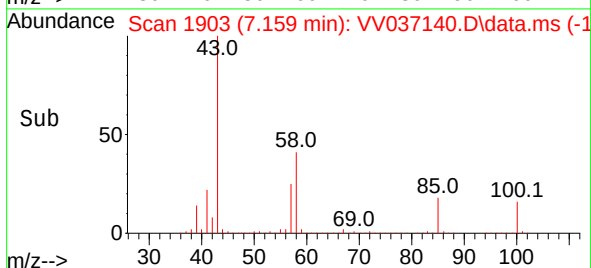
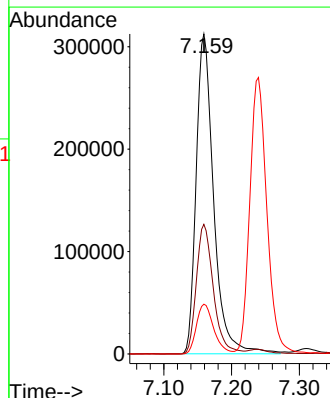
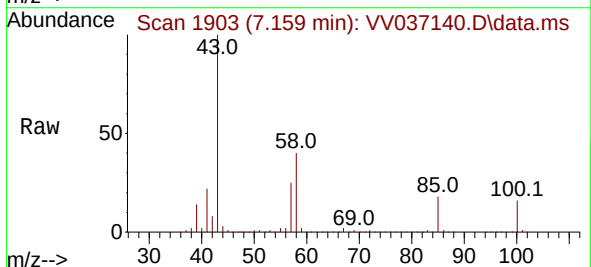
Tgt Ion: 43 Resp: 559366

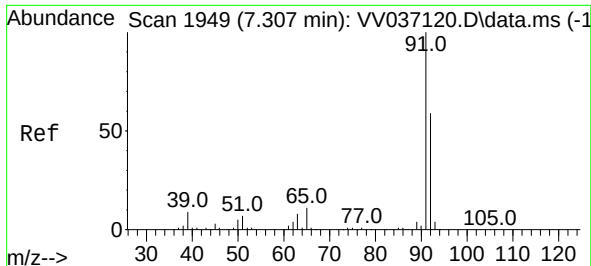
Ion Ratio Lower Upper

43 100

58 39.5 32.0 48.0

100 15.4 12.4 18.6





#42

Toluene

Concen: 53.931 ug/L

RT: 7.310 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

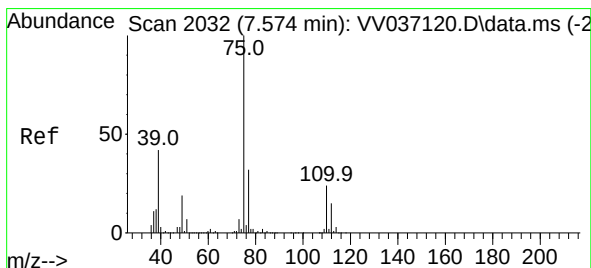
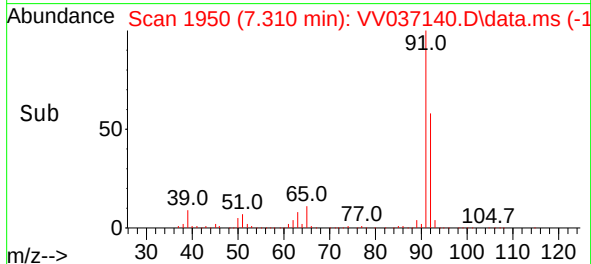
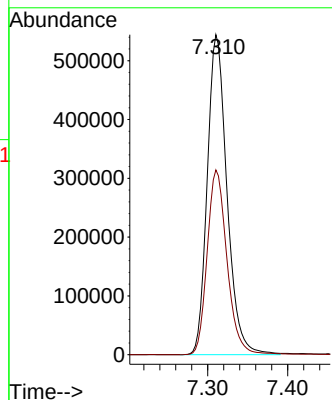
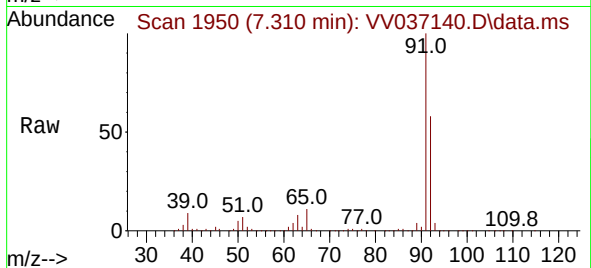
ClientSampleId :

Tgt Ion: 91 Resp: 934640

Ion Ratio Lower Upper

91 100

92 57.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 52.755 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.003 min

Lab File: VV037140.D

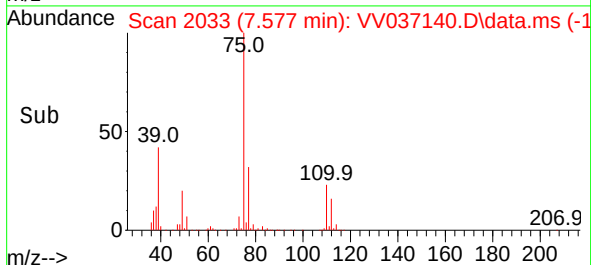
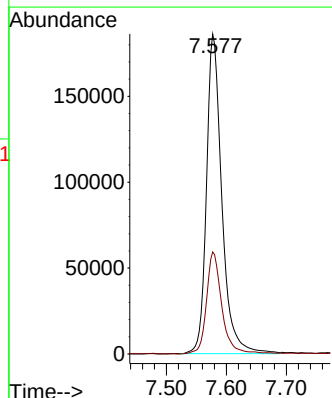
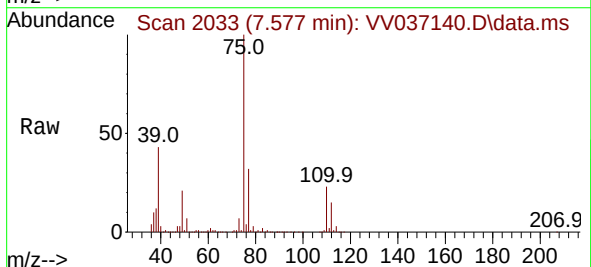
Acq: 28 Aug 2024 18:48

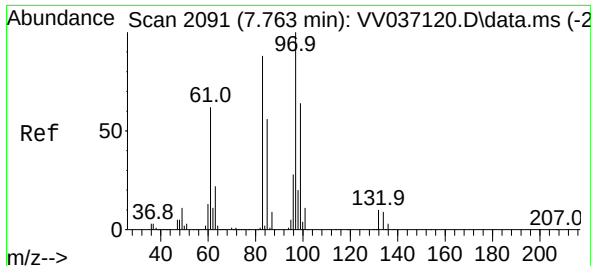
Tgt Ion: 75 Resp: 332060

Ion Ratio Lower Upper

75 100

77 31.9 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 54.924 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 228152

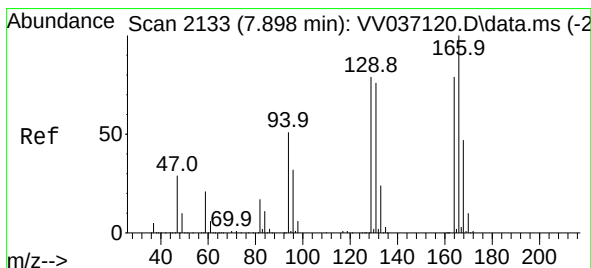
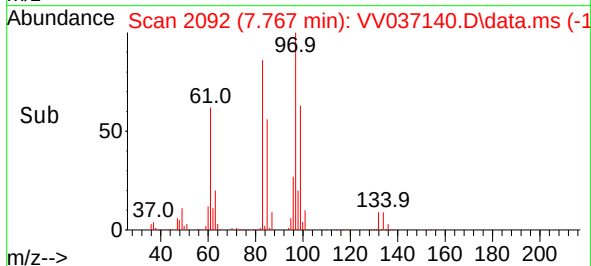
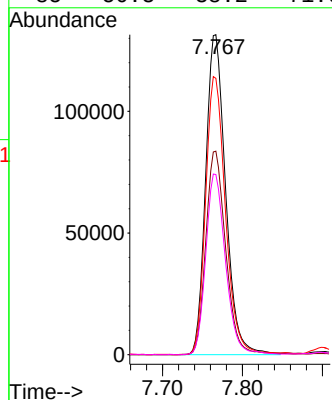
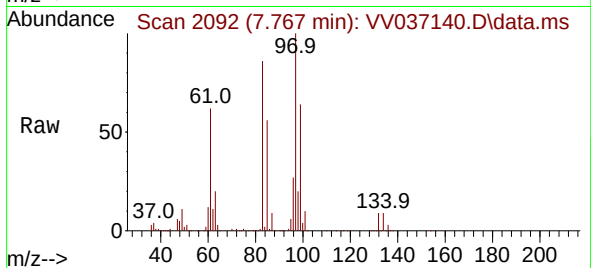
Ion Ratio Lower Upper

97 100

99 63.6 42.6 79.0

83 86.4 60.5 112.3

85 56.3 38.2 71.0



#46

Tetrachloroethene

Concen: 51.167 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Tgt Ion:164 Resp: 161290

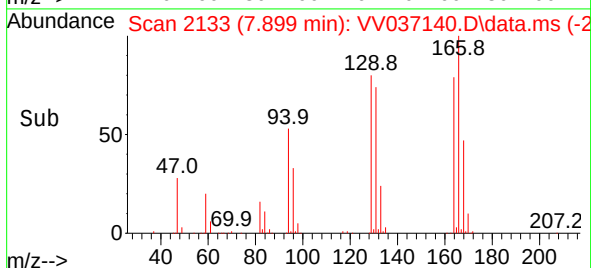
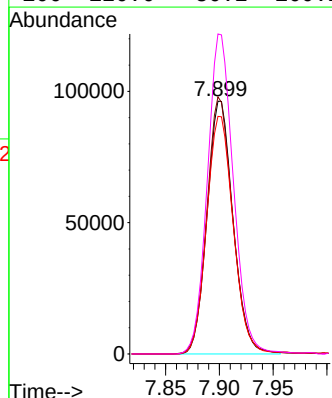
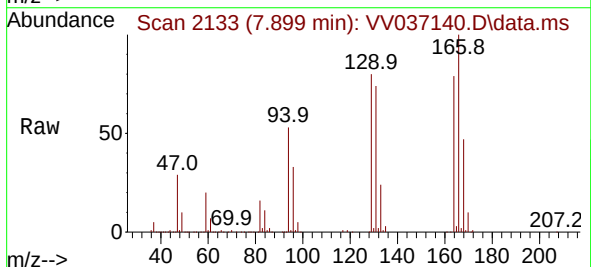
Ion Ratio Lower Upper

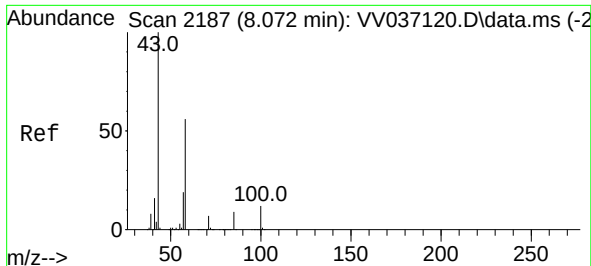
164 100

129 101.7 67.1 124.7

131 94.0 67.0 124.4

166 126.6 86.2 160.2





#48

2-Hexanone

Concen: 114.899 ug/L

RT: 8.075 min Scan# 2187

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 403130

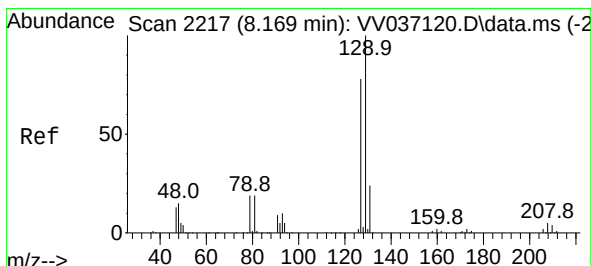
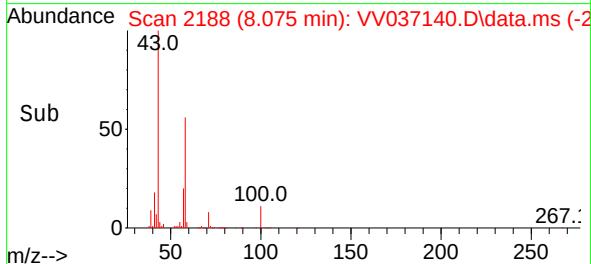
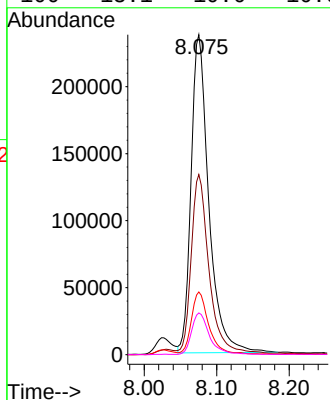
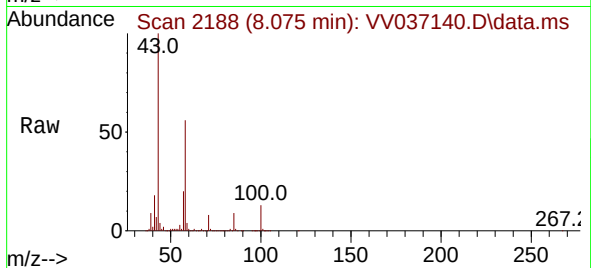
Ion Ratio Lower Upper

43 100

58 56.4 46.0 69.0

57 18.1 15.6 23.4

100 13.1 10.6 16.0



#49

Dibromochloromethane

Concen: 53.714 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.003 min

Lab File: VV037140.D

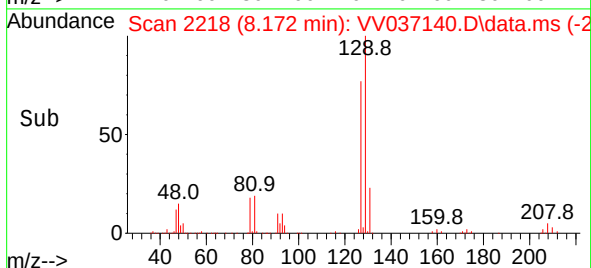
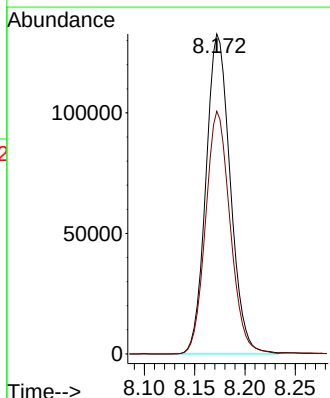
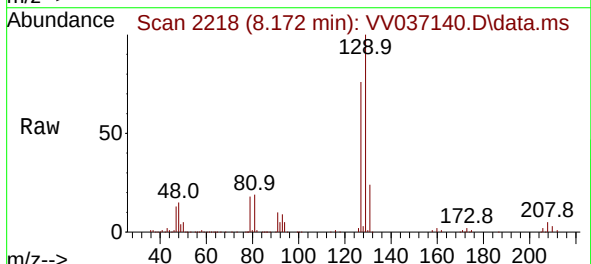
Acq: 28 Aug 2024 18:48

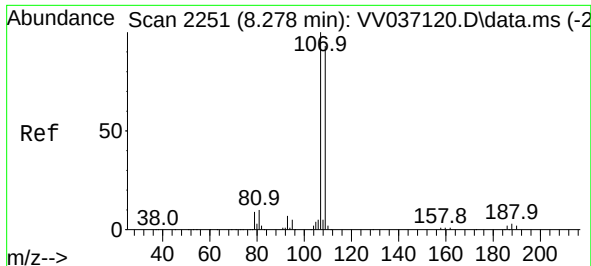
Tgt Ion:129 Resp: 223422

Ion Ratio Lower Upper

129 100

127 75.9 54.7 101.7





#50

1,2-Dibromoethane

Concen: 55.700 ug/L

RT: 8.278 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

ClientSampleId :

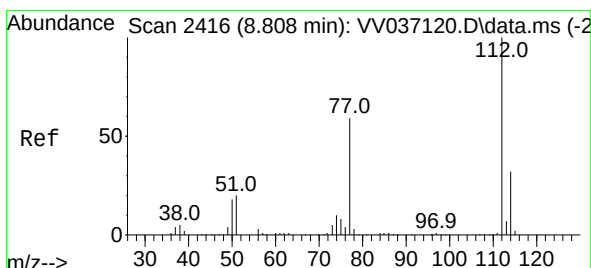
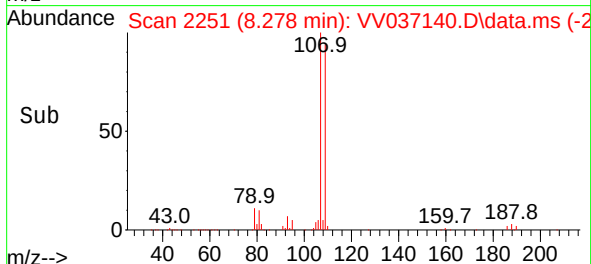
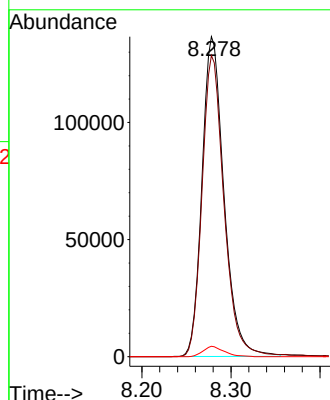
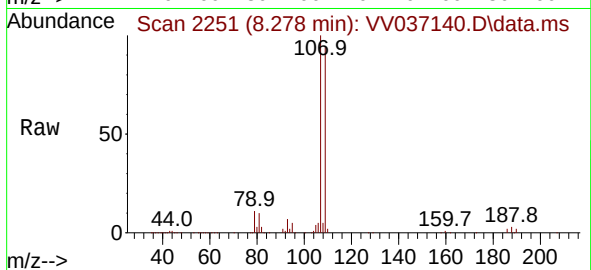
Tgt Ion:107 Resp: 234132

Ion Ratio Lower Upper

107 100

109 94.2 66.6 123.6

188 3.3 2.6 3.8



#51

Chlorobenzene

Concen: 52.575 ug/L

RT: 8.809 min Scan# 2416

Delta R.T. 0.000 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

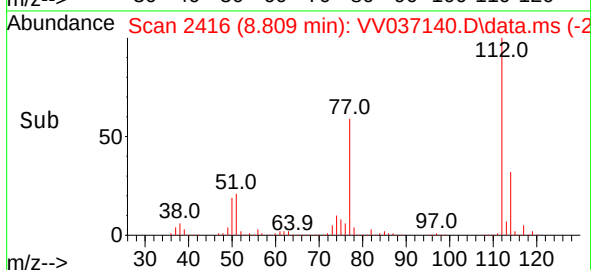
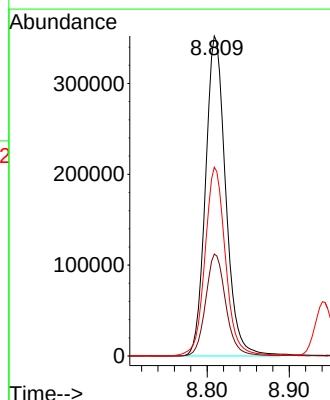
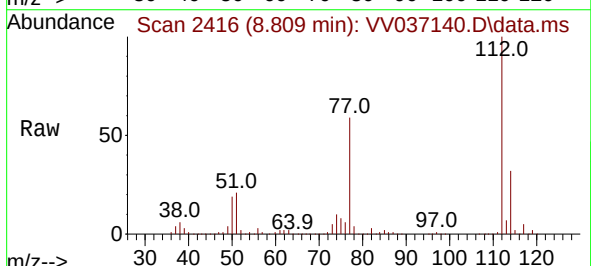
Tgt Ion:112 Resp: 603208

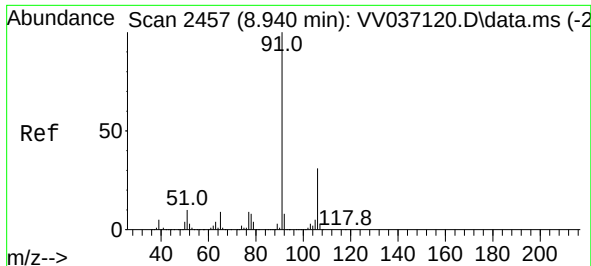
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.5

77 59.0 47.8 71.8





#52

Ethylbenzene

Concen: 52.912 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

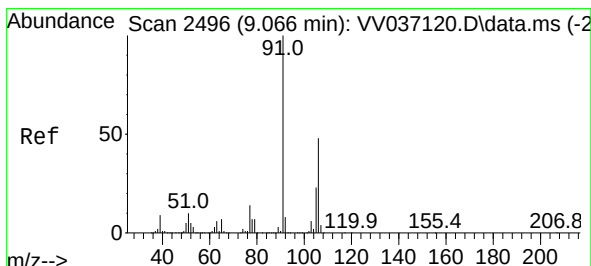
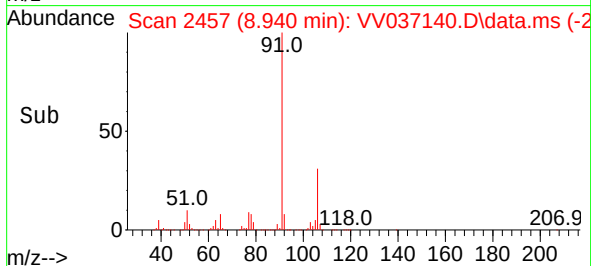
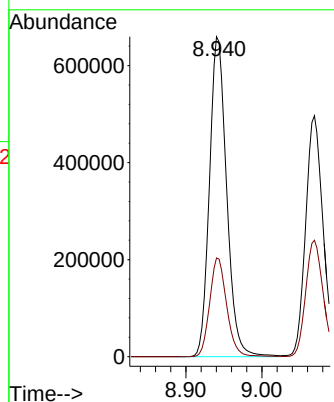
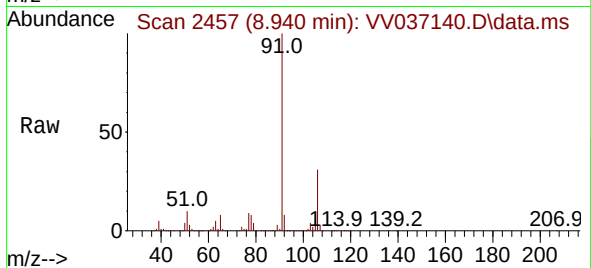
ClientSampleId :

Tgt Ion: 91 Resp: 1035777

Ion Ratio Lower Upper

91 100

106 30.9 21.4 39.8



#53

m,p-Xylene

Concen: 53.357 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.003 min

Lab File: VV037140.D

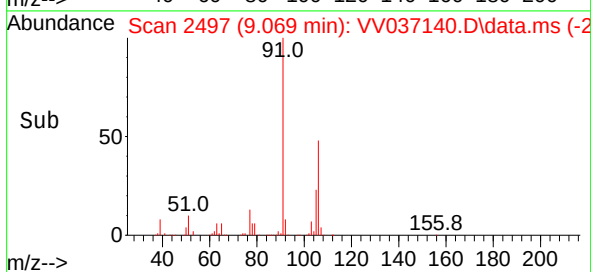
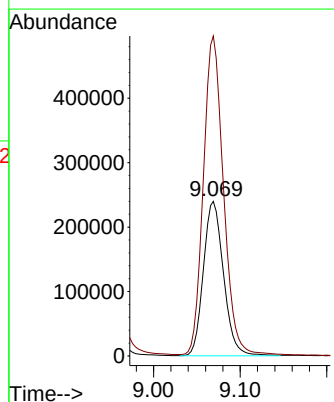
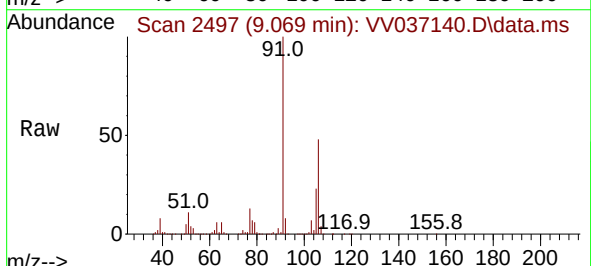
Acq: 28 Aug 2024 18:48

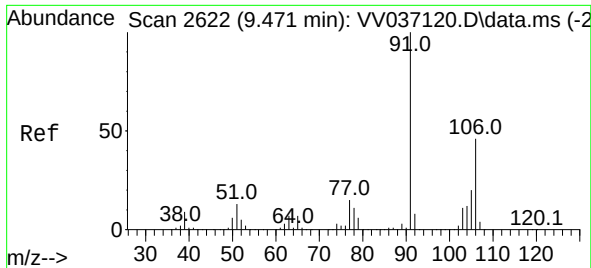
Tgt Ion:106 Resp: 386992

Ion Ratio Lower Upper

106 100

91 206.9 143.0 265.6

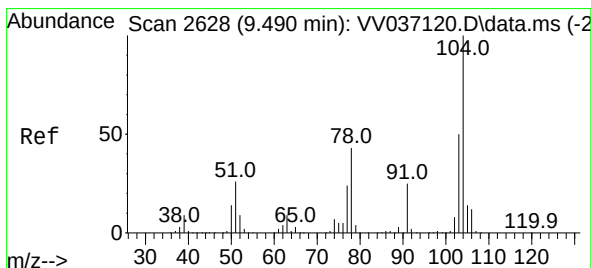
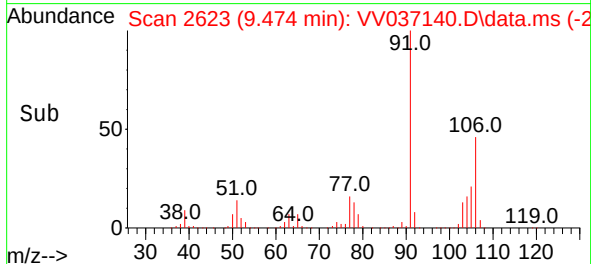
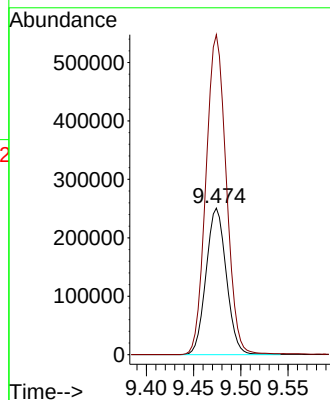
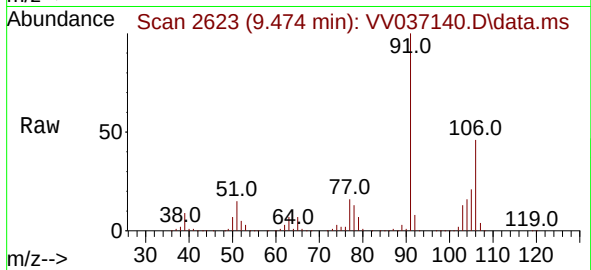




#54
o-Xylene
Concen: 52.808 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV037140.D
Acq: 28 Aug 2024 18:48

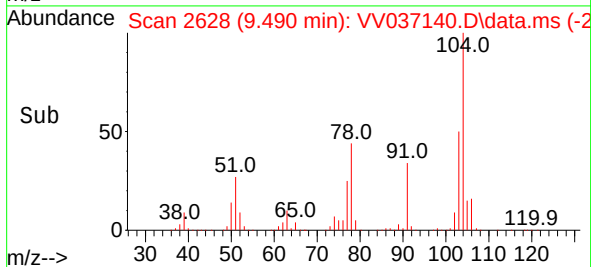
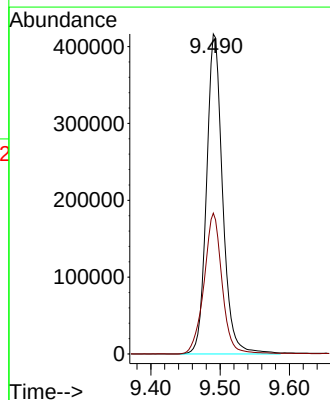
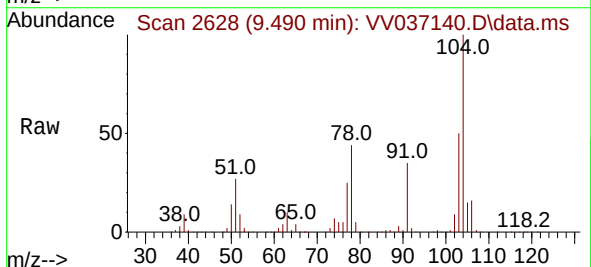
Instrument :
MSVOA_V
ClientSampleId :

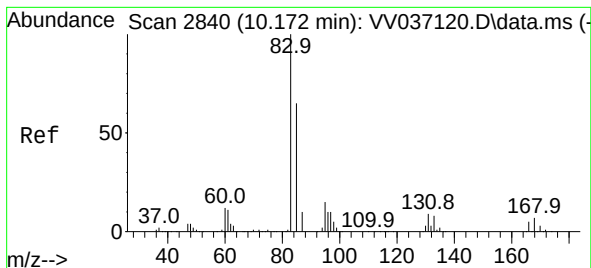
Tgt Ion:106 Resp: 375016
Ion Ratio Lower Upper
106 100
91 218.3 153.2 284.6



#55
Styrene
Concen: 54.413 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV037140.D
Acq: 28 Aug 2024 18:48

Tgt Ion:104 Resp: 670493
Ion Ratio Lower Upper
104 100
78 44.0 30.9 57.5

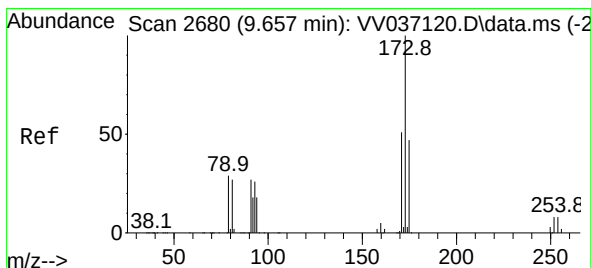
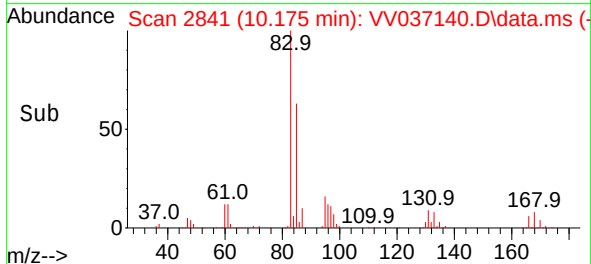
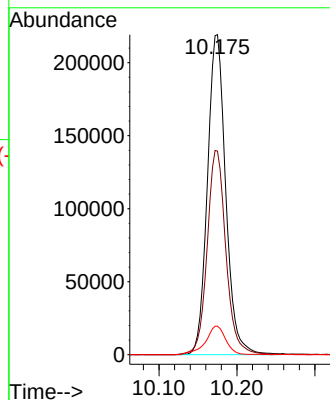
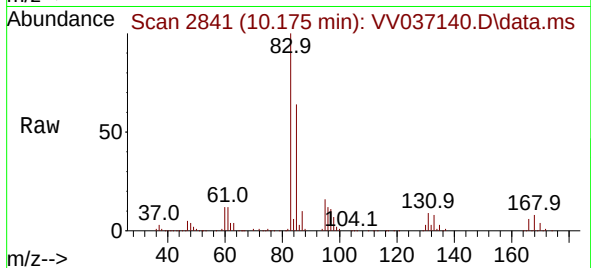




#57
1,1,2,2-Tetrachloroethane
Concen: 58.174 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VV037140.D
Acq: 28 Aug 2024 18:48

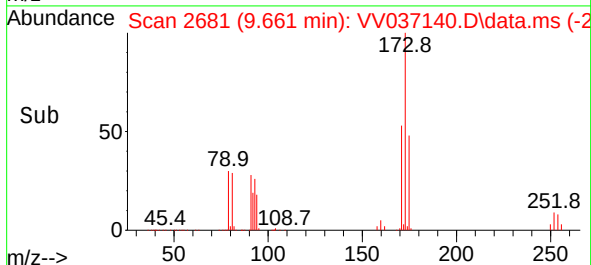
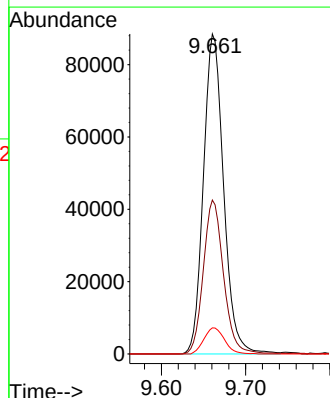
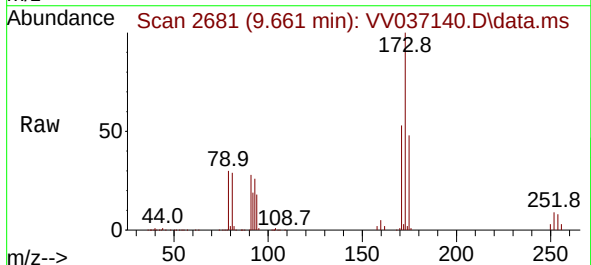
Instrument :
MSVOA_V
ClientSampleId :

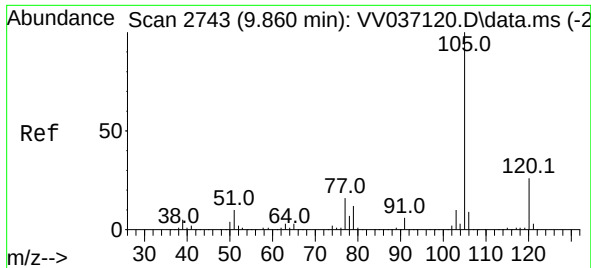
Tgt Ion: 83 Resp: 357899
Ion Ratio Lower Upper
83 100
85 63.6 45.1 83.7
131 8.9 7.4 11.0



#59
Bromoform
Concen: 53.119 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.003 min
Lab File: VV037140.D
Acq: 28 Aug 2024 18:48

Tgt Ion: 173 Resp: 147833
Ion Ratio Lower Upper
173 100
175 47.9 38.7 58.1
254 8.3 6.8 10.2

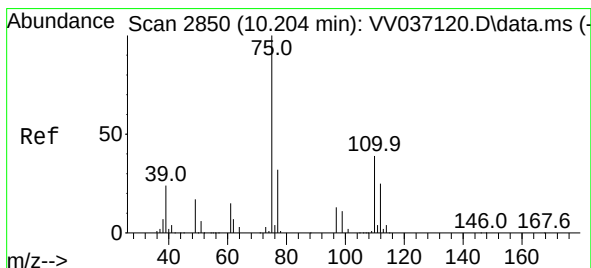
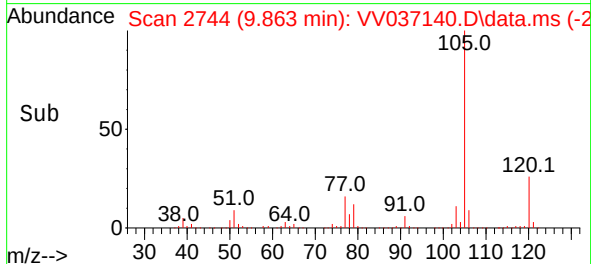
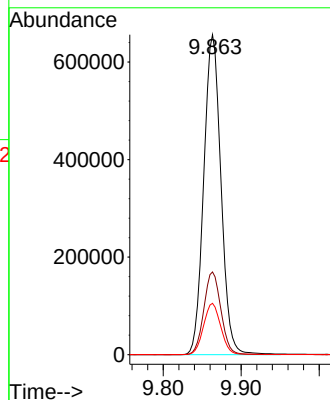
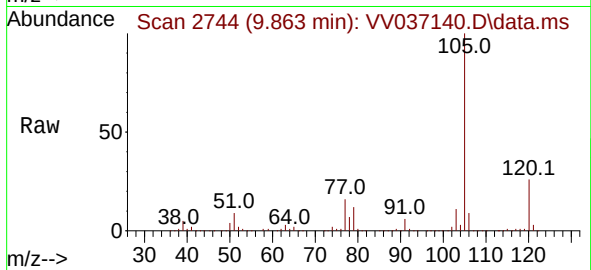




#60
Isopropylbenzene
Concen: 52.031 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV037140.D
Acq: 28 Aug 2024 18:48

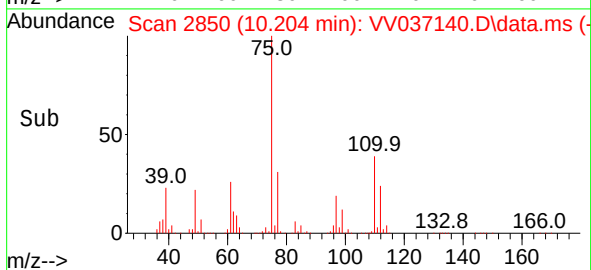
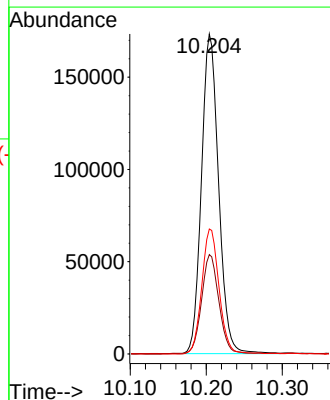
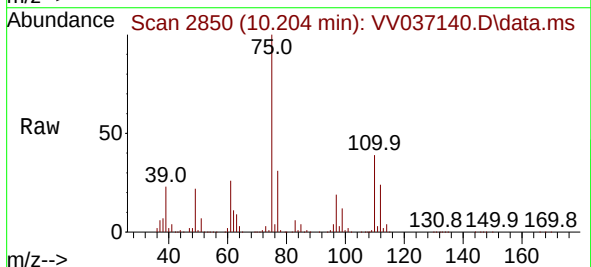
Instrument :
MSVOA_V
ClientSampleId :

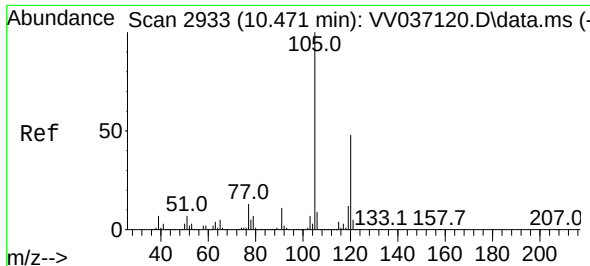
Tgt Ion:105 Resp: 1008132
Ion Ratio Lower Upper
105 100
120 25.7 20.9 31.3
77 16.1 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 58.445 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.000 min
Lab File: VV037140.D
Acq: 28 Aug 2024 18:48

Tgt Ion: 75 Resp: 271727
Ion Ratio Lower Upper
75 100
77 30.7 25.2 37.8
110 39.3 31.1 46.7





#62

1,3,5-Trimethylbenzene

Concen: 51.693 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.000 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

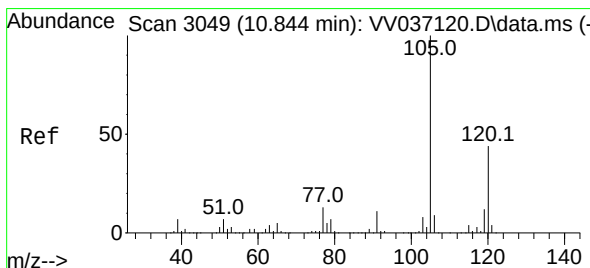
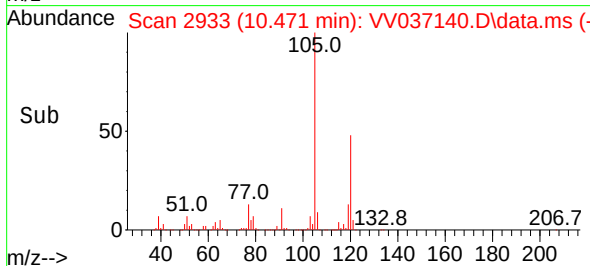
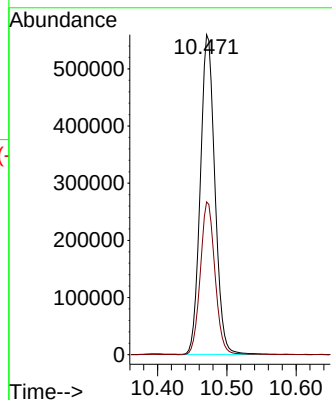
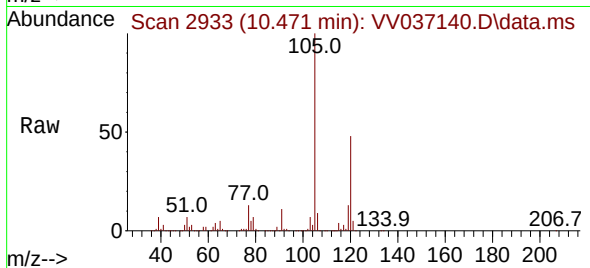
ClientSampleId :

Tgt Ion:105 Resp: 819452

Ion Ratio Lower Upper

105 100

120 48.0 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 52.329 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV037140.D

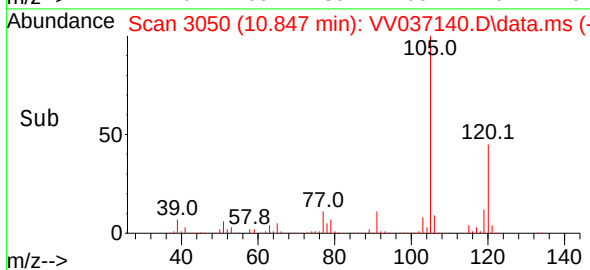
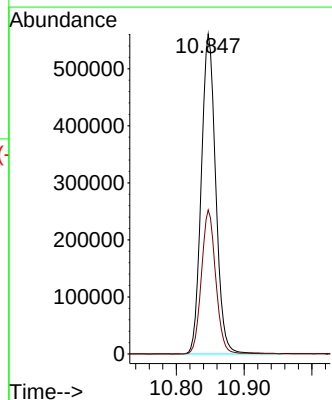
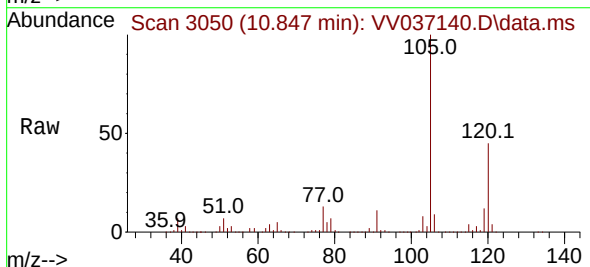
Acq: 28 Aug 2024 18:48

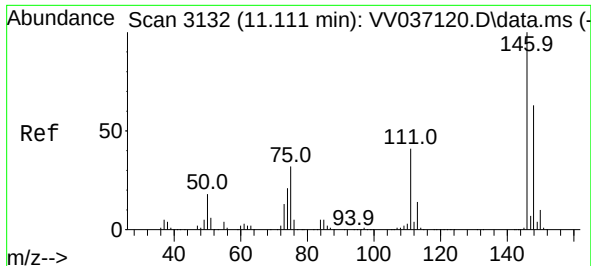
Tgt Ion:105 Resp: 827837

Ion Ratio Lower Upper

105 100

120 44.3 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 50.757 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

ClientSampleId :

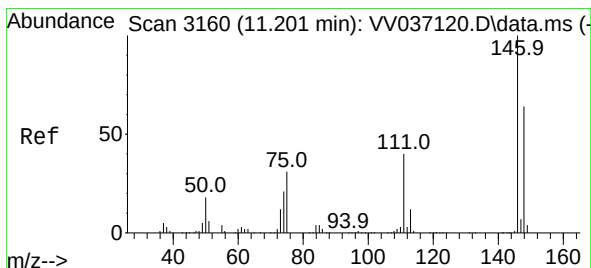
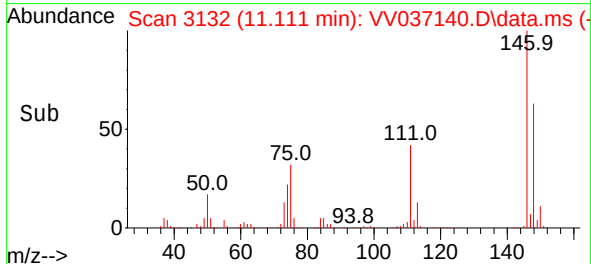
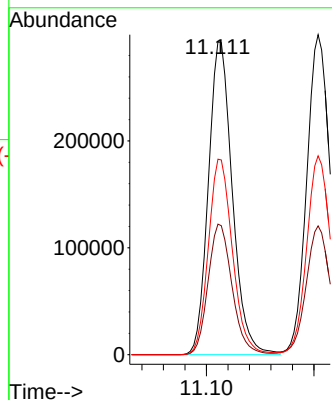
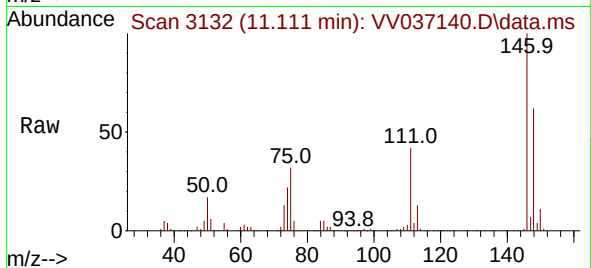
Tgt Ion:146 Resp: 454117

Ion Ratio Lower Upper

146 100

111 41.7 29.7 55.1

148 62.5 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 52.004 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

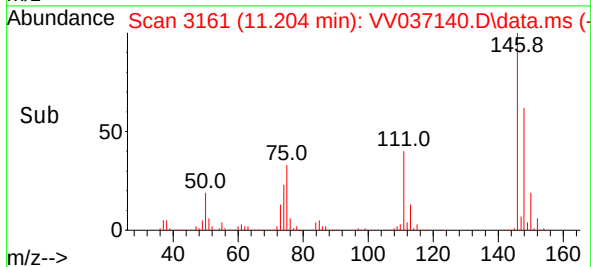
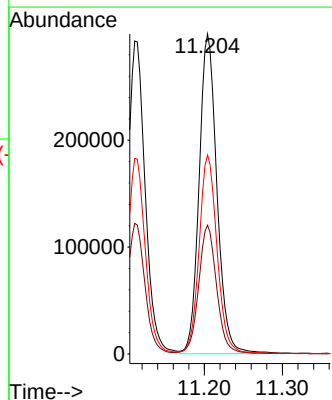
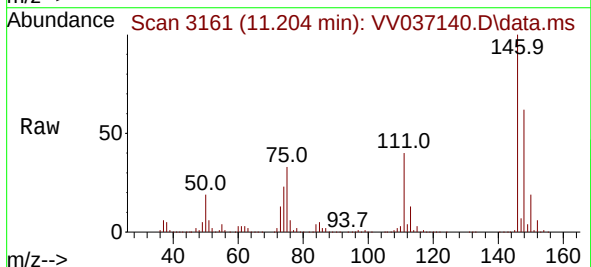
Tgt Ion:146 Resp: 476203

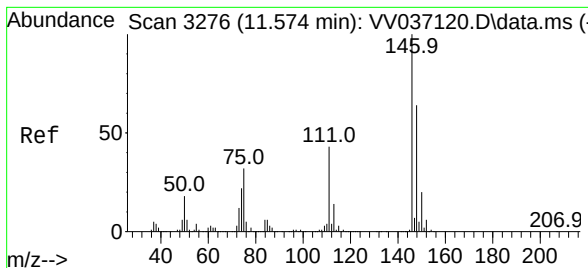
Ion Ratio Lower Upper

146 100

111 40.3 28.1 52.1

148 62.2 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 51.828 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.000 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

ClientSampleId :

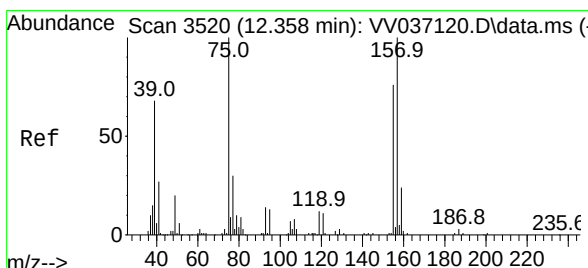
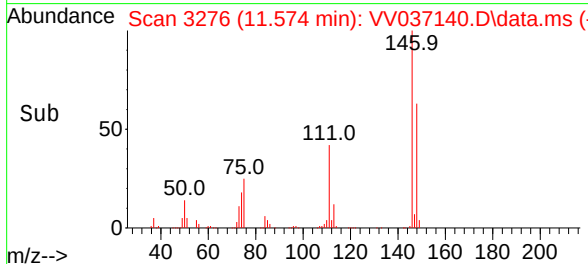
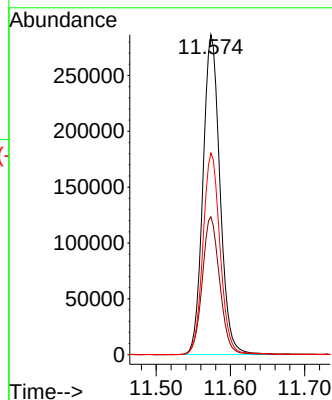
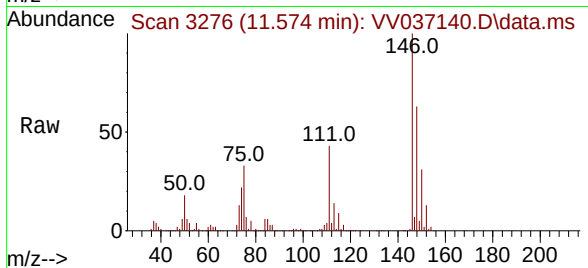
Tgt Ion:146 Resp: 455936

Ion Ratio Lower Upper

146 100

111 43.1 34.6 51.8

148 63.0 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 57.200 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.000 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

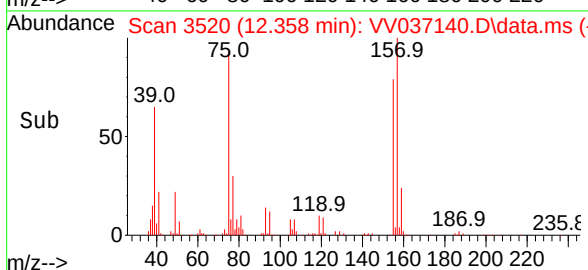
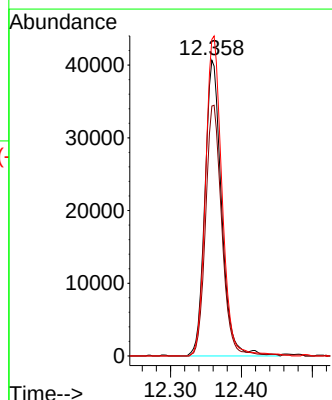
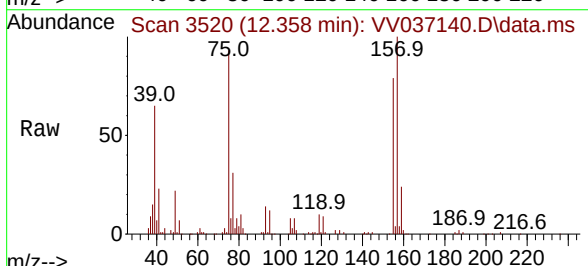
Tgt Ion: 75 Resp: 66321

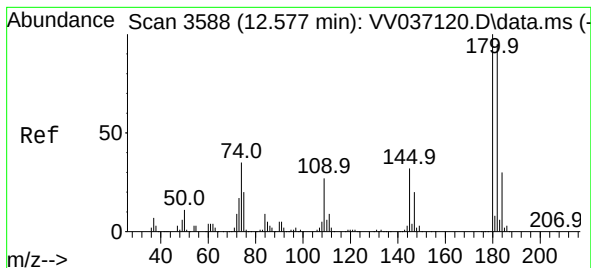
Ion Ratio Lower Upper

75 100

155 84.5 61.8 92.6

157 107.1 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 48.636 ug/L

RT: 12.577 min Scan# 30

Delta R.T. 0.000 min

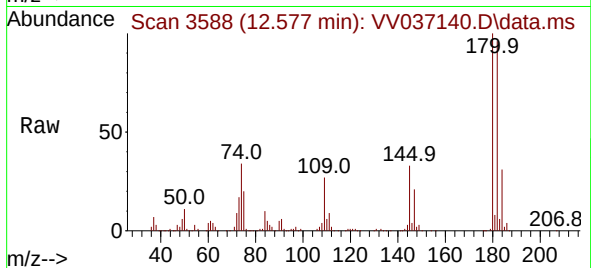
Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 302775

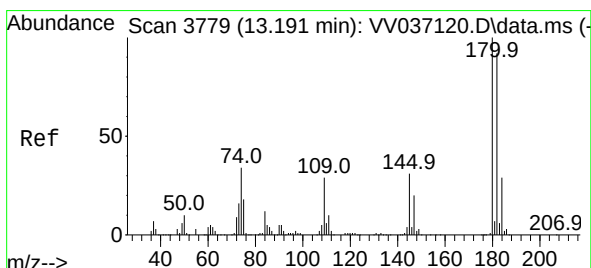
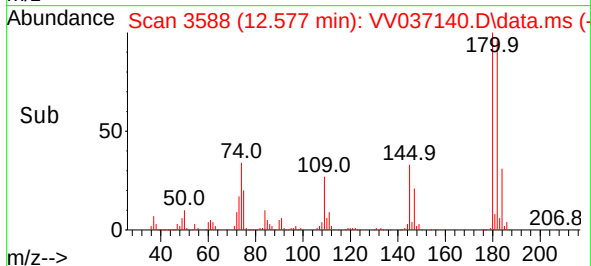
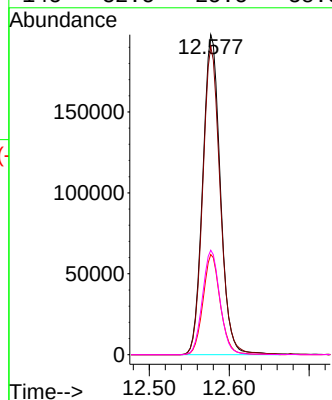
Ion Ratio Lower Upper

180 100

182 95.7 76.7 115.1

184 30.7 24.2 36.2

145 32.5 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 49.406 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.003 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

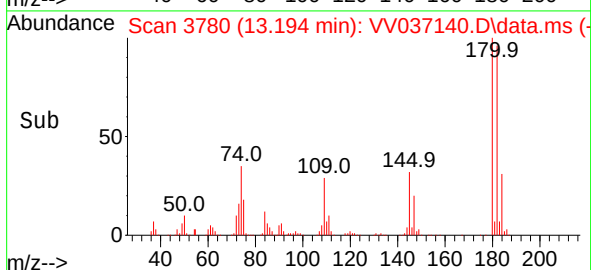
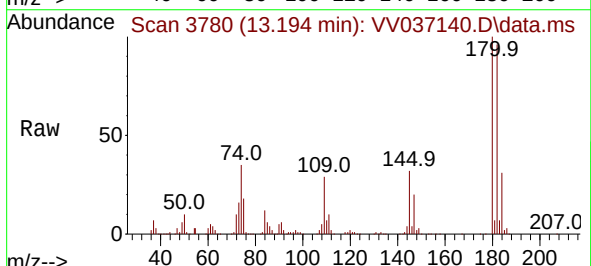
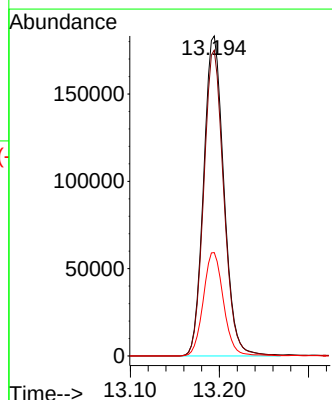
Tgt Ion:180 Resp: 289620

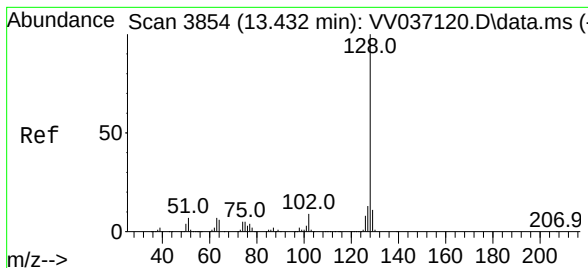
Ion Ratio Lower Upper

180 100

182 94.6 75.7 113.5

145 32.0 26.0 39.0





#71

Naphthalene

Concen: 55.870 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. 0.000 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Instrument :

MSVOA_V

ClientSampleId :

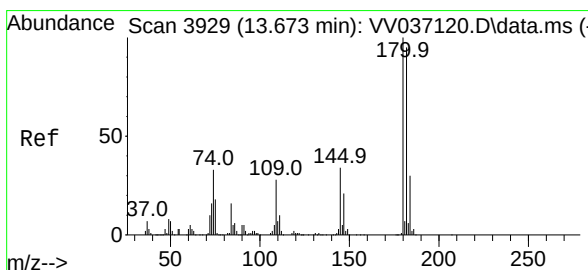
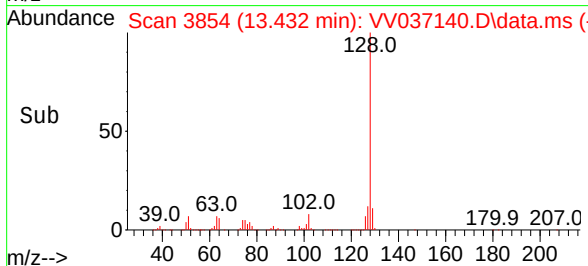
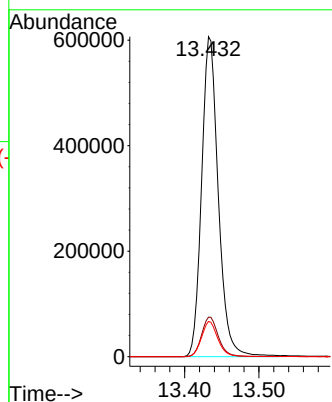
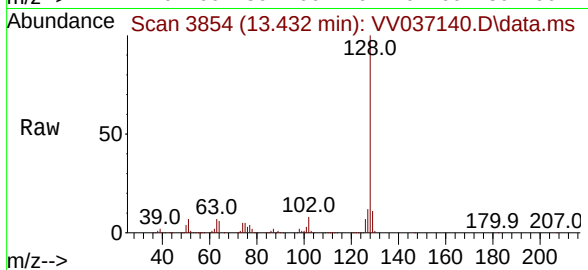
Tgt Ion:128 Resp: 945724

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.2

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 50.875 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.000 min

Lab File: VV037140.D

Acq: 28 Aug 2024 18:48

Tgt Ion:180 Resp: 293898

Ion Ratio Lower Upper

180 100

182 93.6 75.1 112.7

145 33.6 27.0 40.4

