

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082724\
 Data File : VV037091.D
 Acq On : 27 Aug 2024 17:05
 Operator : SY/MD
 Sample : P3692-07MS
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 28 04:22:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 28 04:16:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	655961	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	624975	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	314746	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	304093	50.678	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.360%
7) Chloroethane-d5	1.529	69	210133	45.311	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.620%
11) 1,1-Dichloroethene-d2	2.056	65	117278	46.502	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.000%
21) 2-Butanone-d5	3.793	46	254306	109.441	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.440%
24) Chloroform-d	4.243	84	466891	49.716	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.440%
26) 1,2-Dichloroethane-d4	4.937	65	296695	50.167	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.340%
32) Benzene-d6	4.950	84	883839	46.822	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.640%
36) 1,2-Dichloropropane-d6	5.985	67	276429	46.754	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.500%
41) Toluene-d8	7.236	98	811792	47.651	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.300%
43) trans-1,3-Dichloroprop...	7.548	79	133558	48.827	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.660%
47) 2-Hexanone-d5	8.024	63	212562	131.731	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	131.730%#
56) 1,1,2,2-Tetrachloroeth...	10.149	84	372398	51.934	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.860%
66) 1,2-Dichlorobenzene-d4	11.554	152	302956	48.060	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	283819	51.202	ug/L	100
3) Chloromethane	1.217	50	267645	42.933	ug/L	98
5) Vinyl chloride	1.281	62	4772293	815.465	ug/L	99
6) Bromomethane	1.484	94	146427	44.653	ug/L	100
8) Chloroethane	1.545	64	185781	51.900	ug/L	98
9) Trichlorofluoromethane	1.709	101	411815	53.923	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	242380	53.359	ug/L	99
12) 1,1-Dichloroethene	2.066	96	229348	53.592	ug/L	98
13) Acetone	2.111	43	206991	83.059	ug/L	98
14) Carbon disulfide	2.236	76	657428	50.603	ug/L	99
15) Methyl Acetate	2.371	43	243183	58.205	ug/L	100
16) Methylene chloride	2.442	84	258196	53.474	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	242885	54.671	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	827933	59.242	ug/L	99
19) 1,1-Dichloroethane	3.101	63	487108	55.210	ug/L	99
20) cis-1,2-Dichloroethene	3.802	96	1315458	267.958	ug/L	98
22) 2-Butanone	3.876	43	284706	103.762	ug/L	100
23) Bromochloromethane	4.137	128	124275	51.570	ug/L	97
25) Chloroform	4.269	83	448712	50.218	ug/L	98

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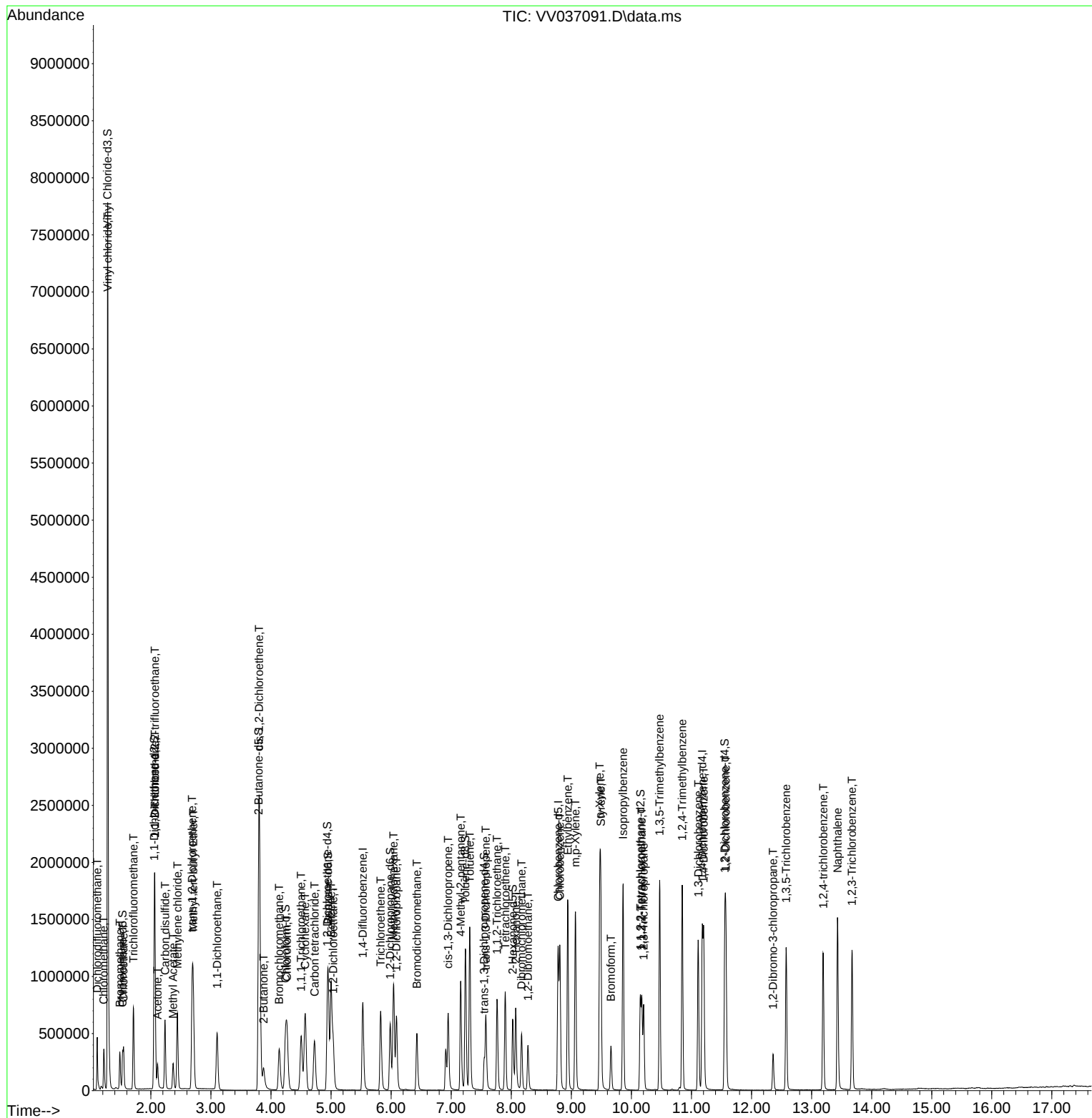
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	364547	55.618	ug/L	96
29) Cyclohexane	4.568	56	382498	52.052	ug/L	97
30) 1,1,1-Trichloroethane	4.503	97	389329	54.140	ug/L	99
31) Carbon tetrachloride	4.725	117	323848	53.370	ug/L	98
33) Benzene	5.002	78	951485	52.754	ug/L	100
34) Trichloroethene	5.825	95	251135	52.753	ug/L	99
35) Methylcyclohexane	6.040	83	404530	52.301	ug/L	98
37) 1,2-Dichloropropane	6.088	63	244495	50.564	ug/L	100
38) Bromodichloromethane	6.429	83	331007	53.410	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	411418	53.917	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	615318	125.170	ug/L	99
42) Toluene	7.310	91	1025921	54.631	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	371696	54.497	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	240549	53.441	ug/L	98
46) Tetrachloroethene	7.902	164	179488	52.548	ug/L	97
48) 2-Hexanone	8.075	43	448159	117.880	ug/L	100
49) Dibromochloromethane	8.172	129	240973	53.465	ug/L	100
50) 1,2-Dibromoethane	8.278	107	254603	55.897	ug/L	99
51) Chlorobenzene	8.809	112	647663	52.095	ug/L	98
52) Ethylbenzene	8.940	91	1156094	54.502	ug/L	99
53) m,p-Xylene	9.069	106	432184	54.991	ug/L	98
54) o-Xylene	9.474	106	415023	53.934	ug/L	97
55) Styrene	9.490	104	730864	54.737	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.172	83	379974	56.998	ug/L	97
59) Bromoform	9.661	173	163961	55.943	ug/L	98
60) Isopropylbenzene	9.863	105	1154136	56.562	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	284722	58.151	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	948483	56.815	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	953652	57.241	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	500202	53.088	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	514784	53.382	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	492060	53.113	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.358	75	79471	65.084	ug/L	94
69) 1,3,5-Trichlorobenzene	12.577	180	347510	53.006	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	334247	54.143	ug/L	100
71) Naphthalene	13.432	128	1148731	64.440	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	333256	54.778	ug/L	98

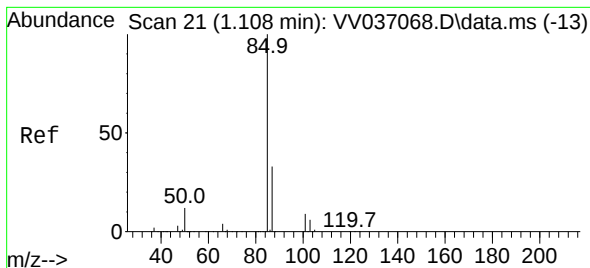
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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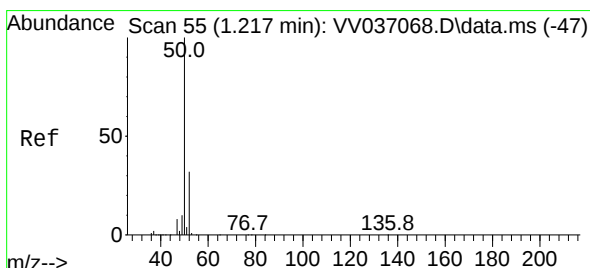
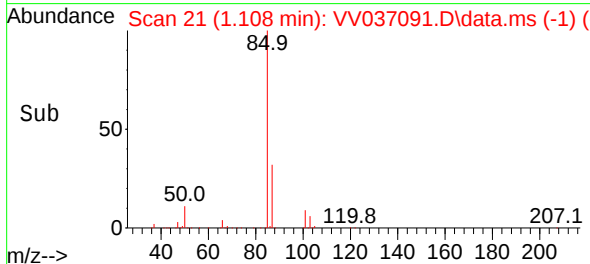
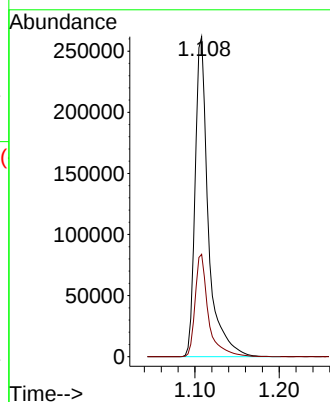
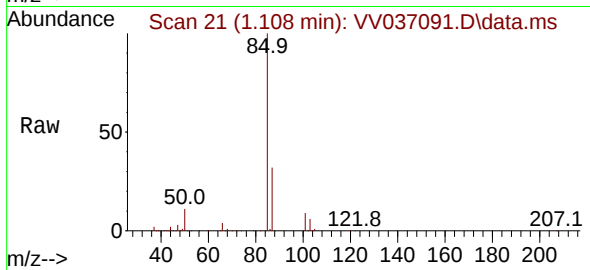




#2
 Dichlorodifluoromethane
 Concen: 51.202 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV037091.D
 Acq: 27 Aug 2024 17:05

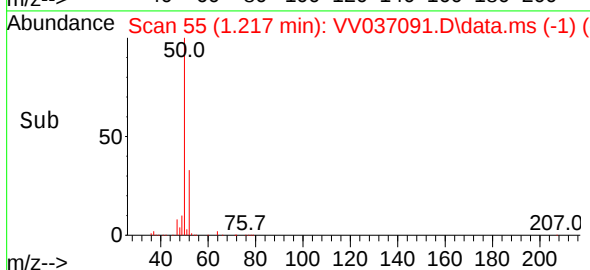
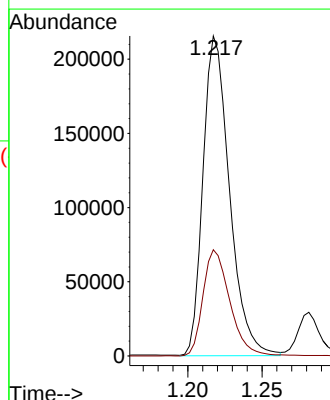
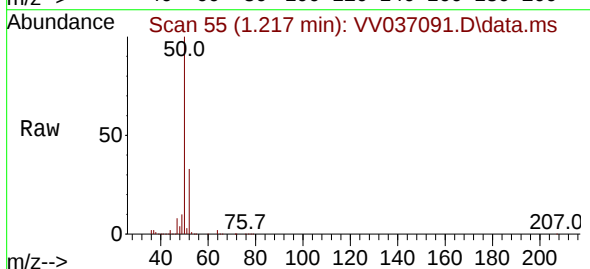
Instrument :
 MSVOA_V
 ClientSampleId :

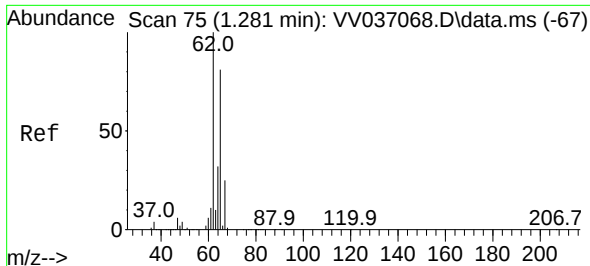
Tgt Ion: 85 Resp: 283819
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.9 38.9



#3
 Chloromethane
 Concen: 42.933 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV037091.D
 Acq: 27 Aug 2024 17:05

Tgt Ion: 50 Resp: 267645
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.5 41.9

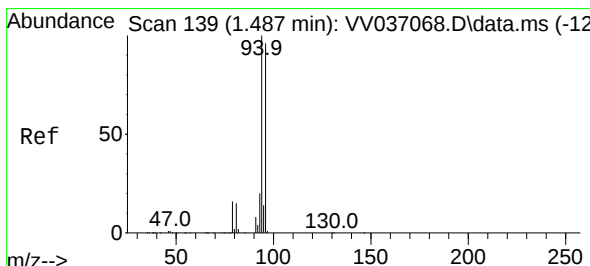
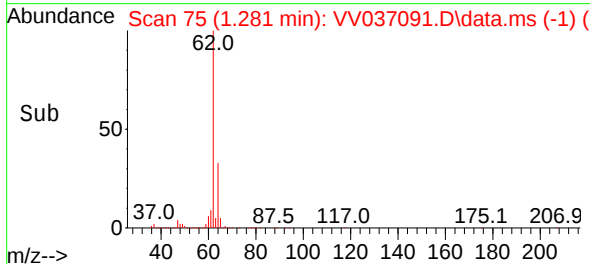
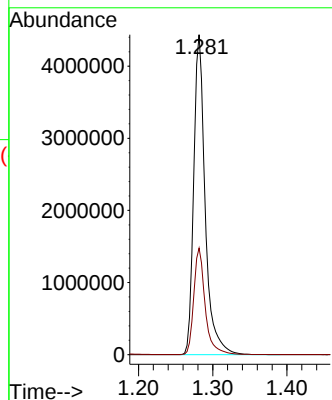
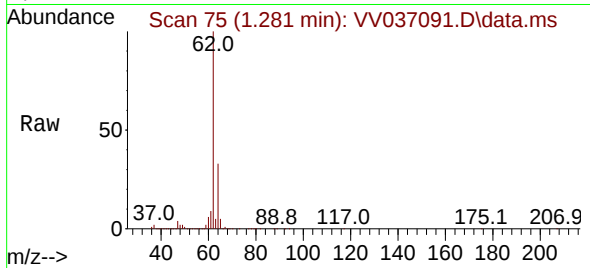




#5
 Vinyl chloride
 Concen: 815.465 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV037091.D
 Acq: 27 Aug 2024 17:05

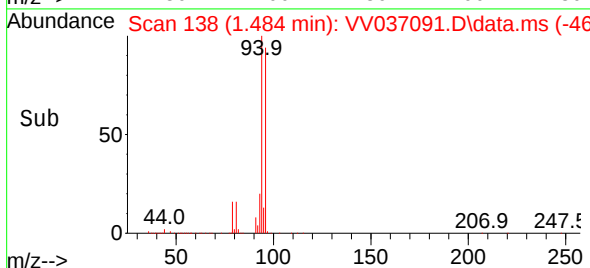
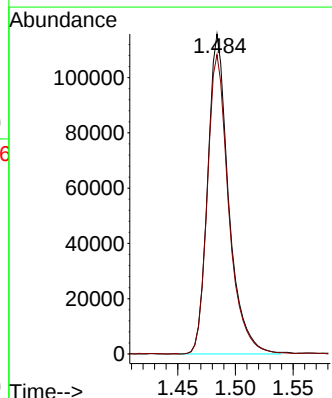
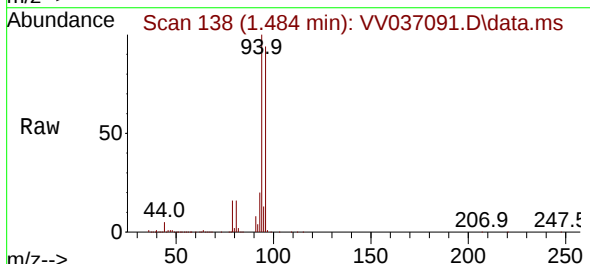
Instrument :
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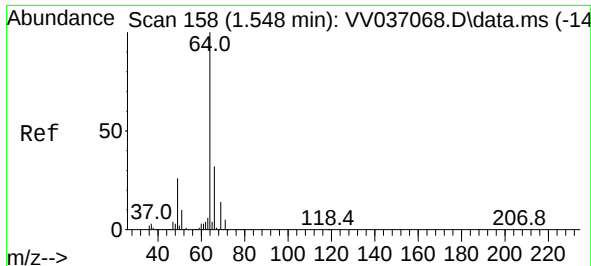
Tgt Ion: 62 Resp: 4772293
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.8 42.4



#6
 Bromomethane
 Concen: 44.653 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV037091.D
 Acq: 27 Aug 2024 17:05

Tgt Ion: 94 Resp: 146427
 Ion Ratio Lower Upper
 94 100
 96 93.5 65.6 121.8

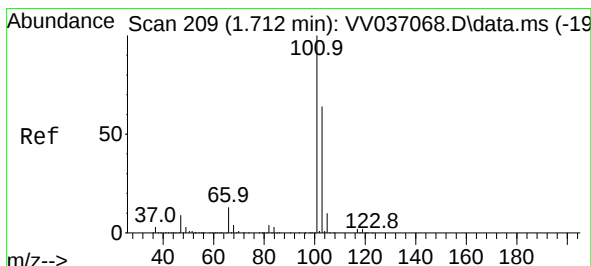
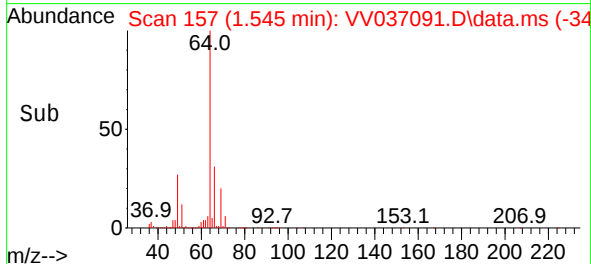
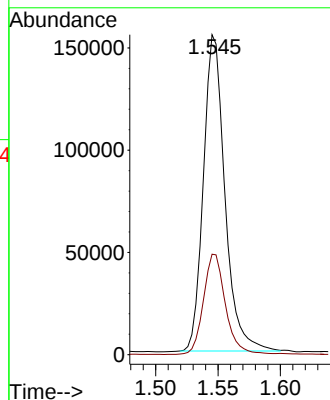
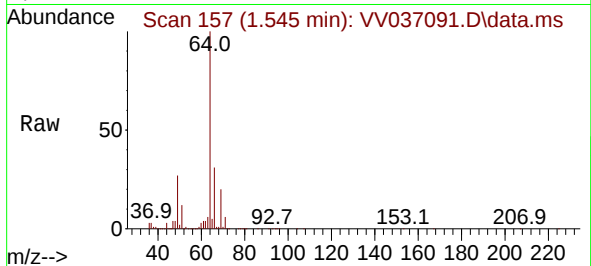




#8
Chloroethane
Concen: 51.900 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV037091.D
Acq: 27 Aug 2024 17:05

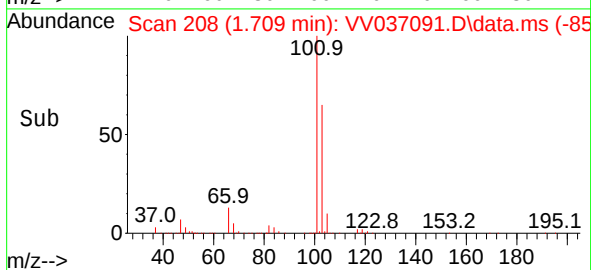
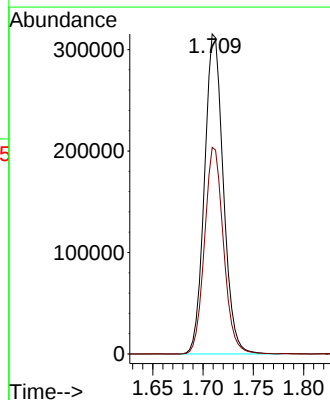
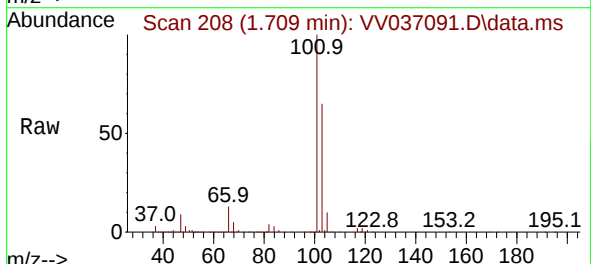
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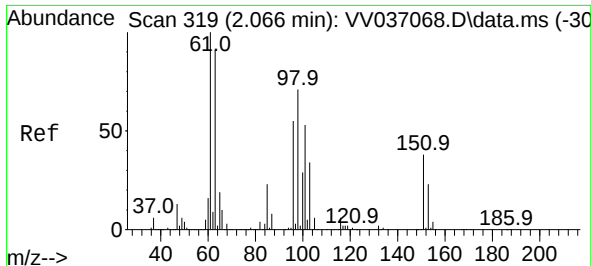
Tgt Ion: 64 Resp: 185781
Ion Ratio Lower Upper
64 100
66 31.4 22.8 42.4



#9
Trichlorofluoromethane
Concen: 53.923 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.003 min
Lab File: VV037091.D
Acq: 27 Aug 2024 17:05

Tgt Ion:101 Resp: 411815
Ion Ratio Lower Upper
101 100
103 65.0 51.7 77.5

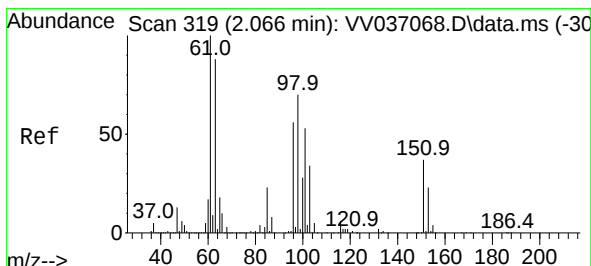
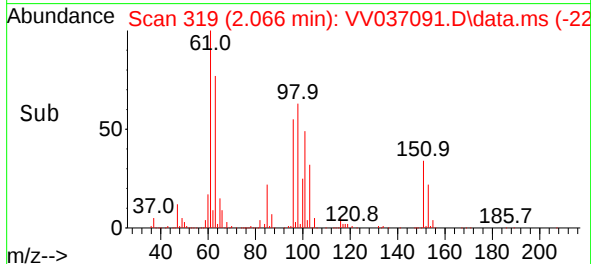
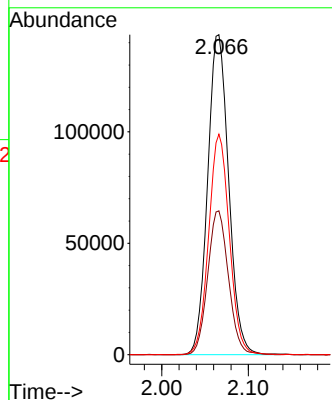
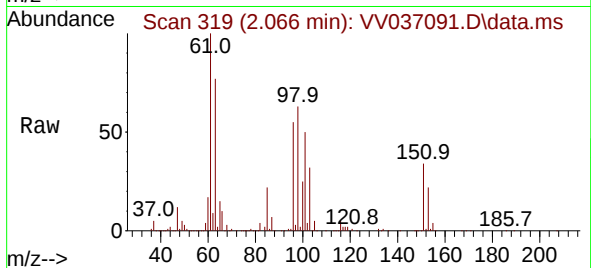




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 53.359 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VV037091.D
 Acq: 27 Aug 2024 17:05

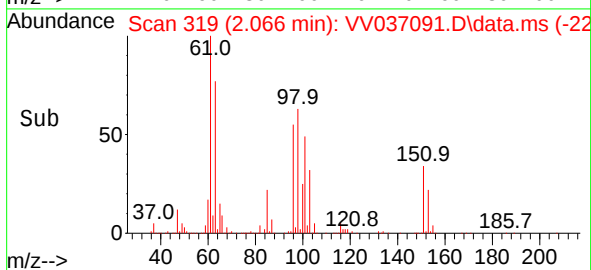
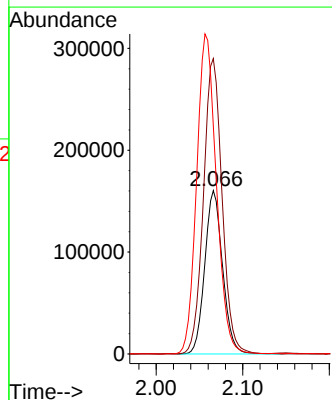
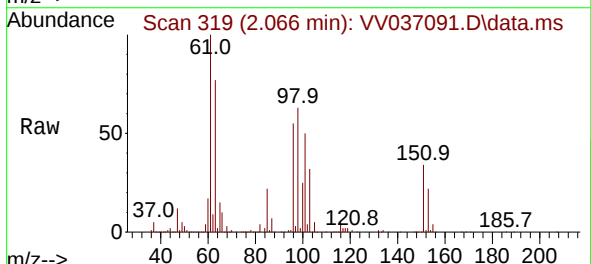
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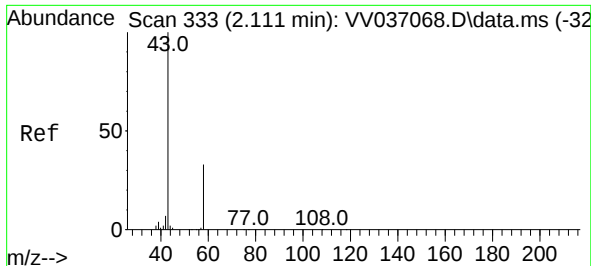
Tgt Ion:101 Resp: 242380
 Ion Ratio Lower Upper
 101 100
 85 44.4 35.6 53.4
 151 67.6 55.0 82.4



#12
 1,1-Dichloroethene
 Concen: 53.592 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VV037091.D
 Acq: 27 Aug 2024 17:05

Tgt Ion: 96 Resp: 229348
 Ion Ratio Lower Upper
 96 100
 61 180.7 123.8 229.8
 63 139.6 96.5 179.1





#13

Acetone

Concen: 83.059 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

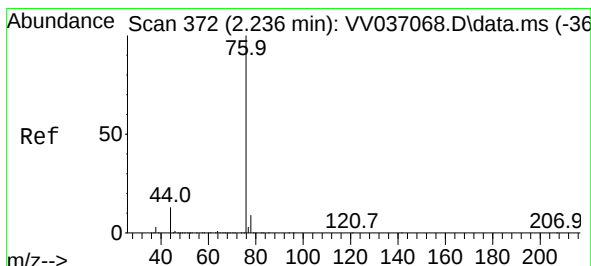
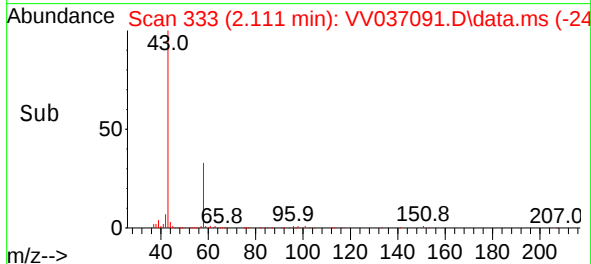
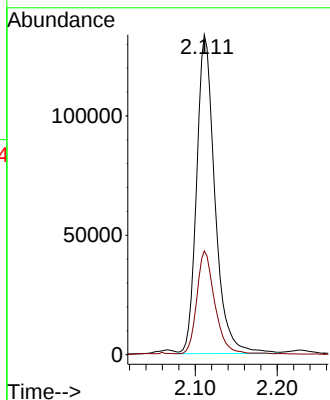
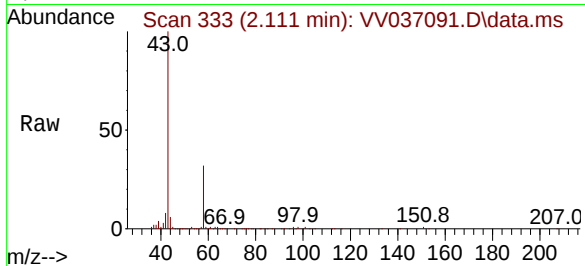
ClientSampleId :

Tgt Ion: 43 Resp: 206991

Ion Ratio Lower Upper

43 100

58 31.2 0.0 64.8



#14

Carbon disulfide

Concen: 50.603 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.000 min

Lab File: VV037091.D

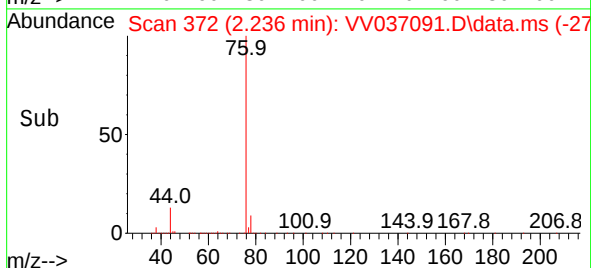
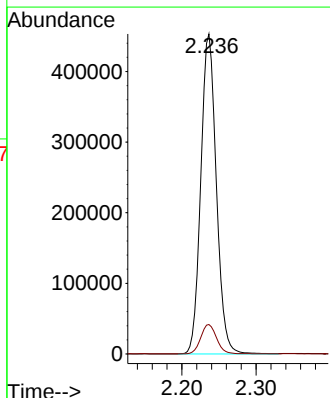
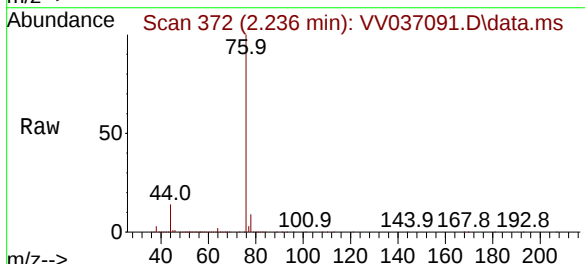
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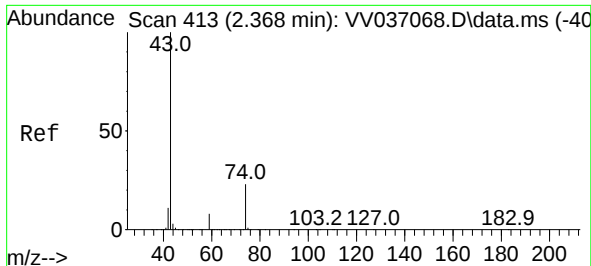
Tgt Ion: 76 Resp: 657428

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





#15

Methyl Acetate

Concen: 58.205 ug/L

RT: 2.371 min Scan# 413

Delta R.T. 0.003 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

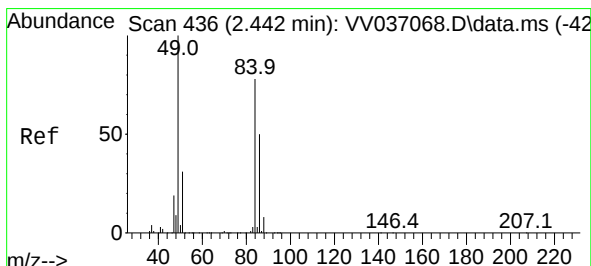
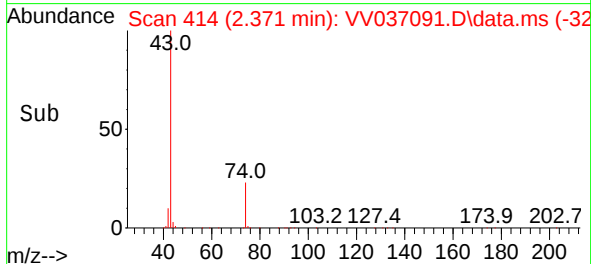
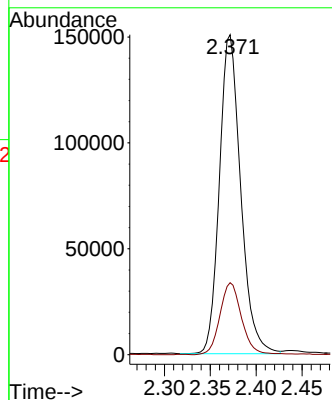
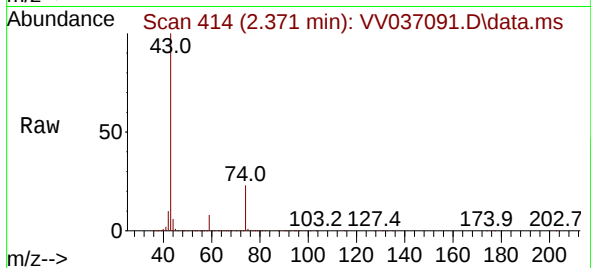
ClientSampleId :

Tgt Ion: 43 Resp: 243183

Ion Ratio Lower Upper

43 100

74 22.8 18.4 27.6



#16

Methylene chloride

Concen: 53.474 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

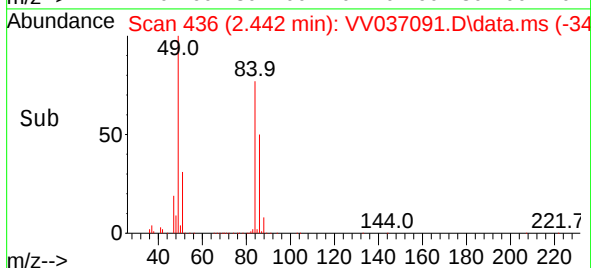
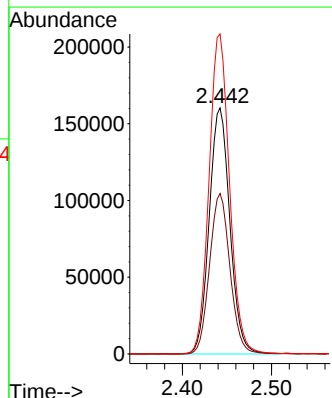
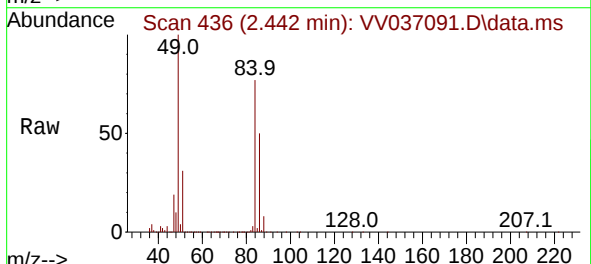
Tgt Ion: 84 Resp: 258196

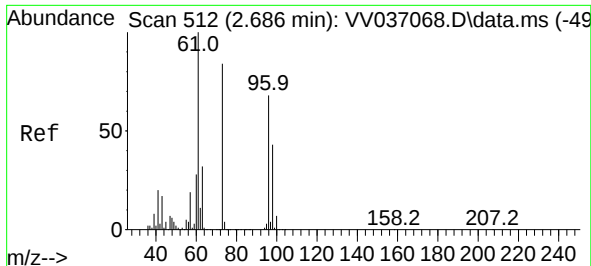
Ion Ratio Lower Upper

84 100

86 65.2 44.7 82.9

49 130.0 91.4 169.8





#17

trans-1,2-Dichloroethene

Concen: 54.671 ug/L

RT: 2.687 min Scan# 512

Delta R.T. 0.000 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

ClientSampleId :

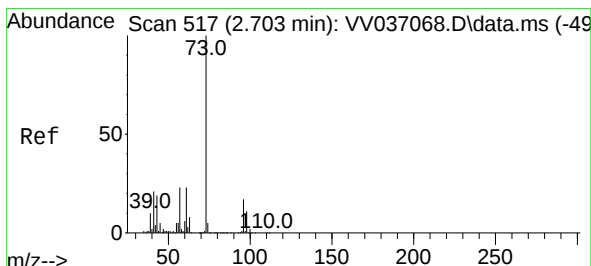
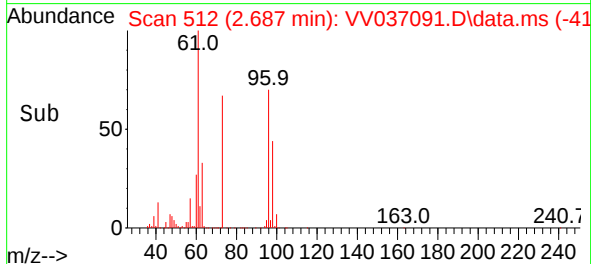
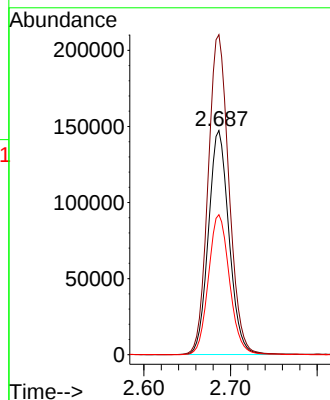
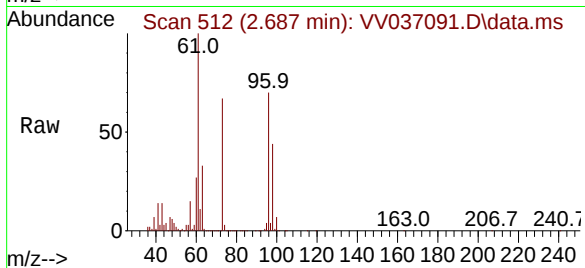
Tgt Ion: 96 Resp: 242885

Ion Ratio Lower Upper

96 100

61 142.7 102.3 189.9

98 62.5 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 59.242 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

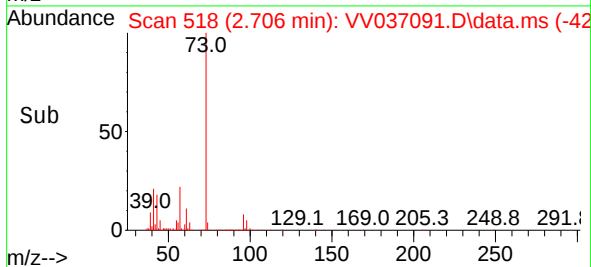
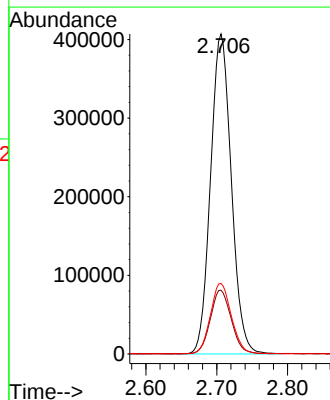
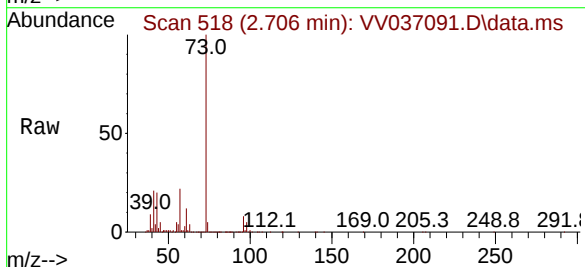
Tgt Ion: 73 Resp: 827933

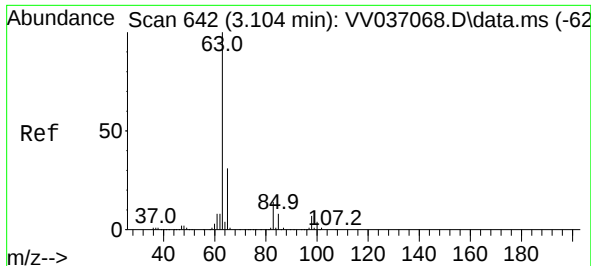
Ion Ratio Lower Upper

73 100

43 19.9 15.8 23.6

57 22.2 18.1 27.1





#19

1,1-Dichloroethane

Concen: 55.210 ug/L

RT: 3.101 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

ClientSampleId :

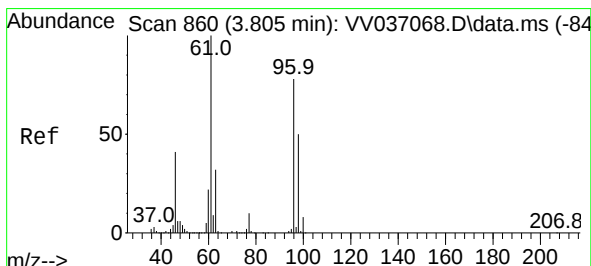
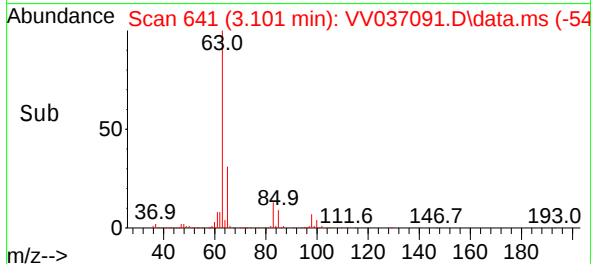
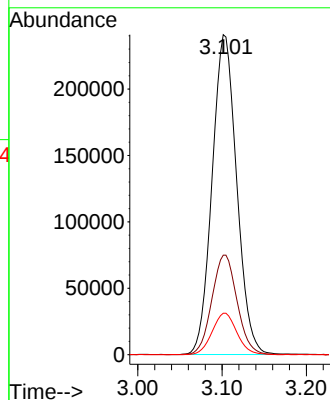
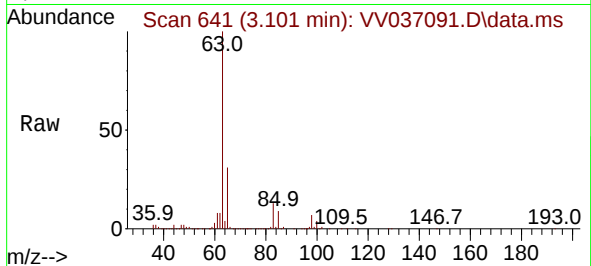
Tgt Ion: 63 Resp: 487108

Ion Ratio Lower Upper

63 100

65 31.1 22.0 41.0

83 13.0 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 267.958 ug/L

RT: 3.802 min Scan# 859

Delta R.T. -0.003 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

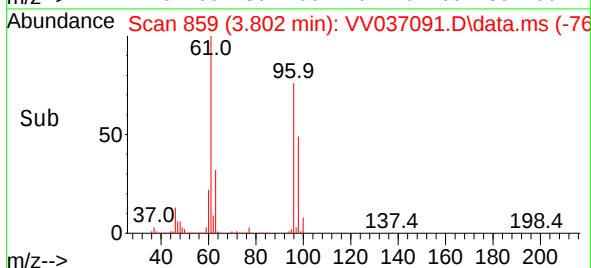
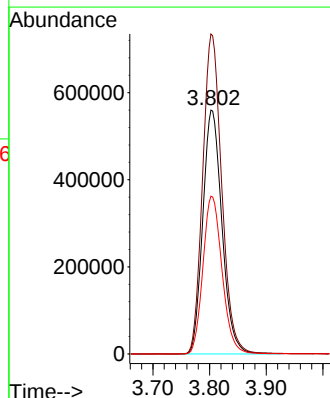
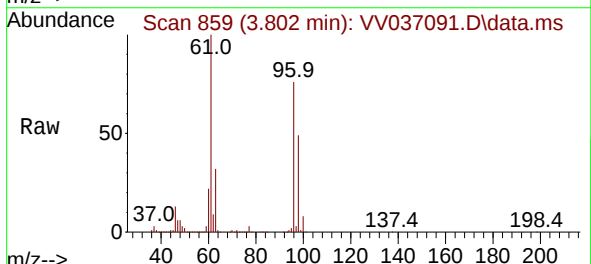
Tgt Ion: 96 Resp: 1315458

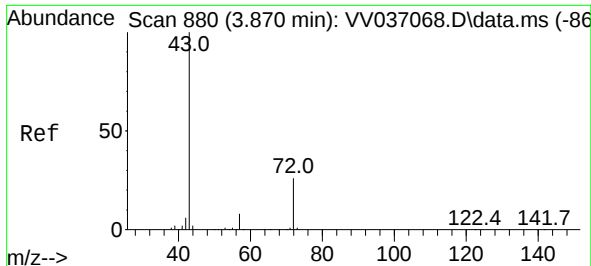
Ion Ratio Lower Upper

96 100

61 131.3 89.9 166.9

98 64.7 44.8 83.2





#22

2-Butanone

Concen: 103.762 ug/L

RT: 3.876 min Scan# 880

Delta R.T. 0.007 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

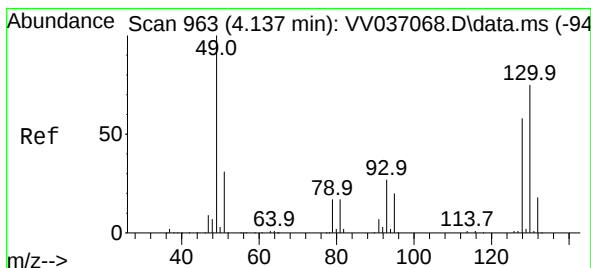
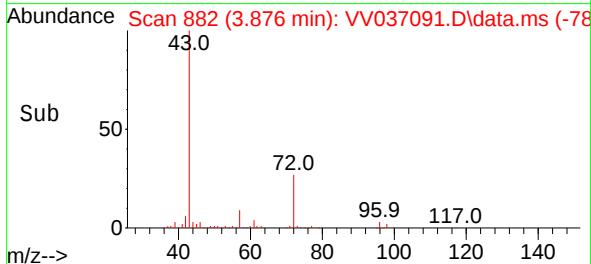
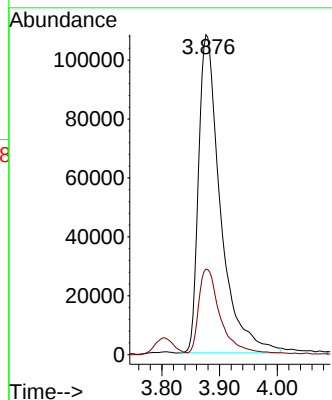
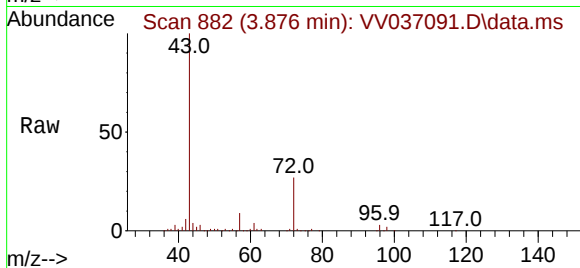
ClientSampleId :

Tgt Ion: 43 Resp: 284706

Ion Ratio Lower Upper

43 100

72 25.3 12.7 38.0



#23

Bromochloromethane

Concen: 51.570 ug/L

RT: 4.137 min Scan# 963

Delta R.T. 0.000 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Tgt Ion:128 Resp: 124275

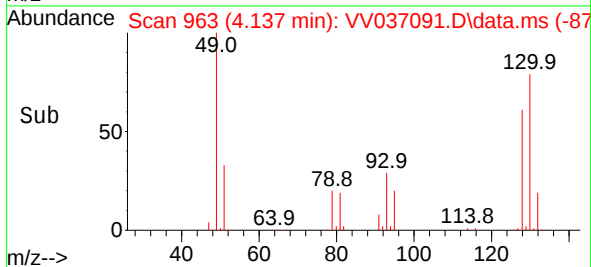
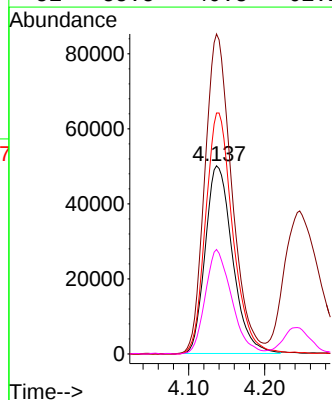
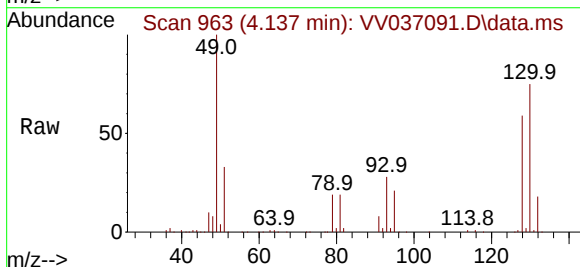
Ion Ratio Lower Upper

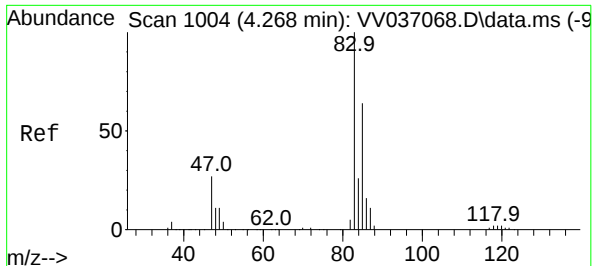
128 100

49 170.1 117.2 217.6

130 128.1 87.6 162.8

51 55.5 40.8 61.2





#25

Chloroform

Concen: 50.218 ug/L

RT: 4.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

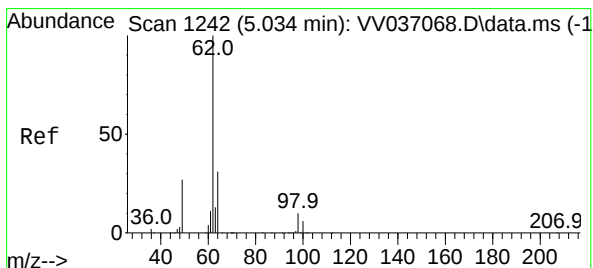
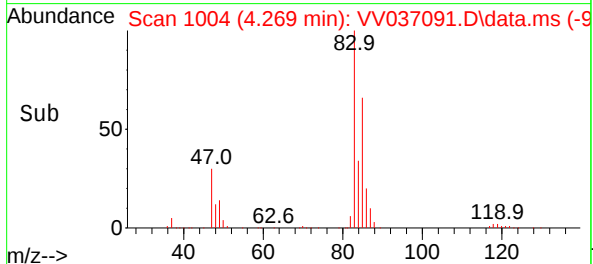
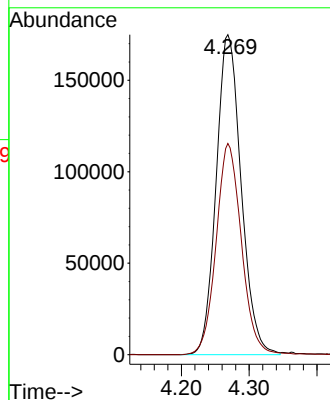
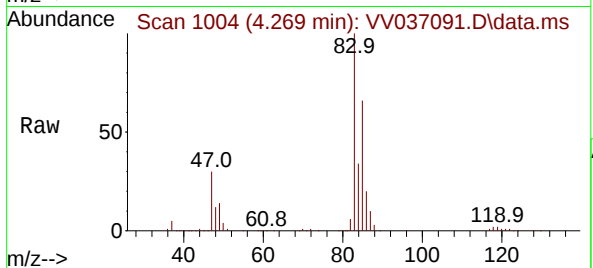
ClientSampleId :

Tgt Ion: 83 Resp: 448712

Ion Ratio Lower Upper

83 100

85 66.0 45.1 83.7



#27

1,2-Dichloroethane

Concen: 55.618 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV037091.D

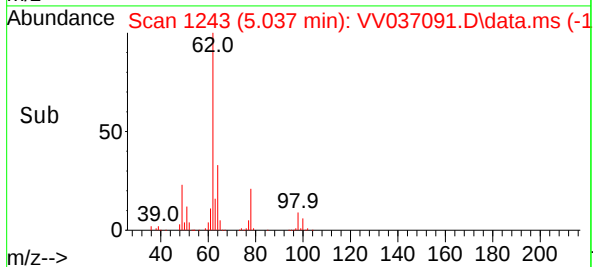
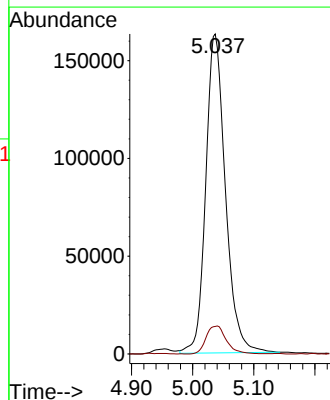
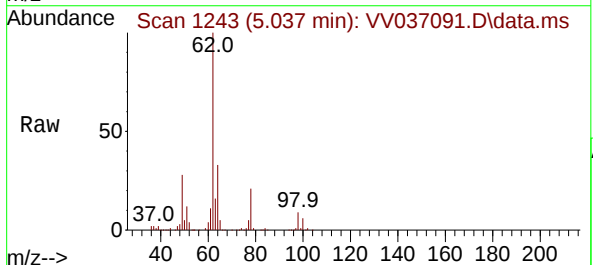
Acq: 27 Aug 2024 17:05

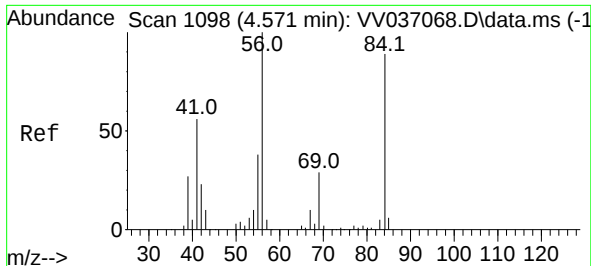
Tgt Ion: 62 Resp: 364547

Ion Ratio Lower Upper

62 100

98 8.6 8.0 12.0





#29

Cyclohexane

Concen: 52.052 ug/L

RT: 4.568 min Scan# 1097

Delta R.T. -0.003 min

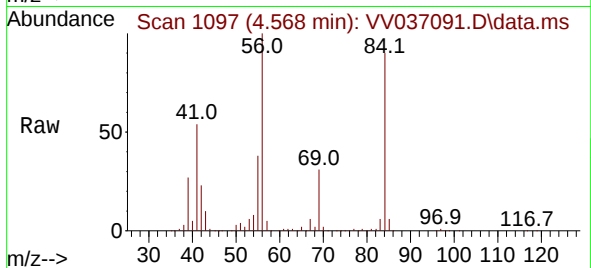
Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

ClientSampleId :



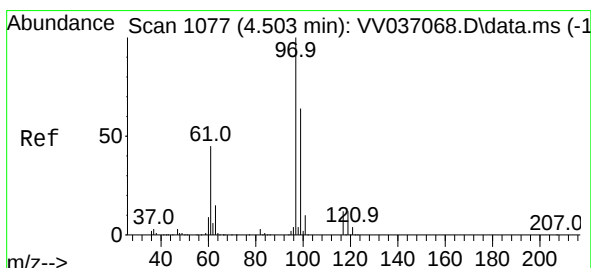
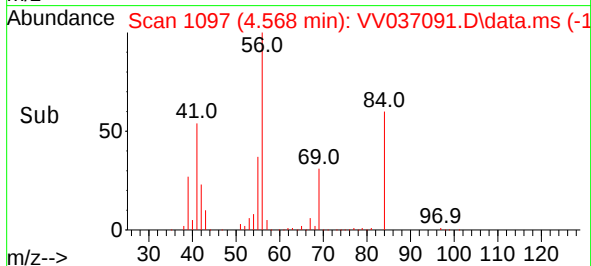
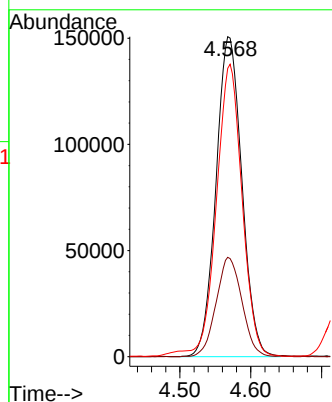
Tgt Ion: 56 Resp: 382498

Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.4

84 90.9 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 54.140 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

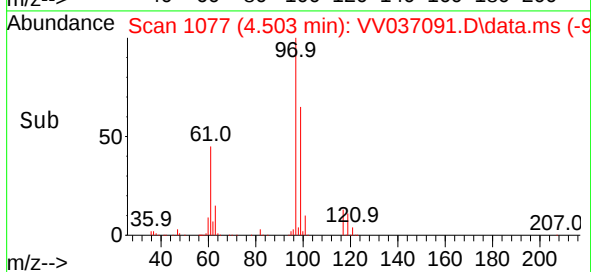
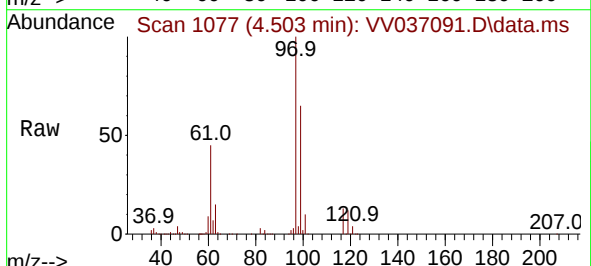
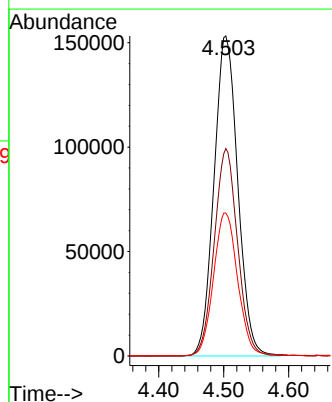
Tgt Ion: 97 Resp: 389329

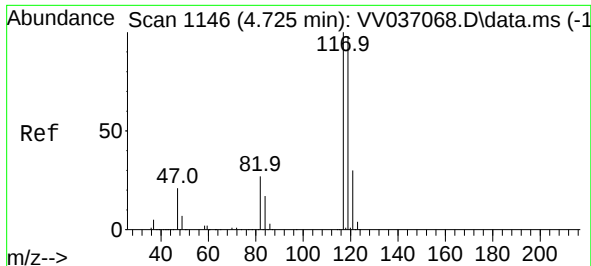
Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

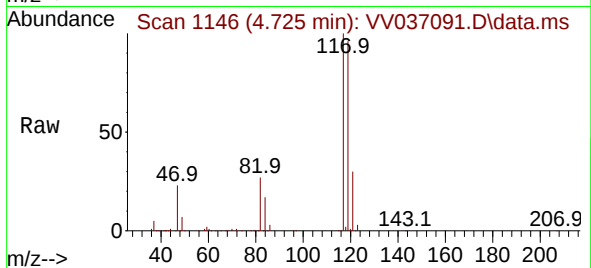
61 45.5 35.8 53.6



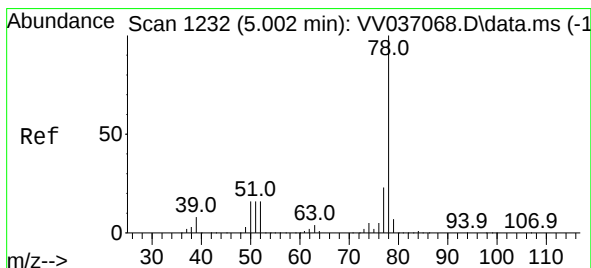
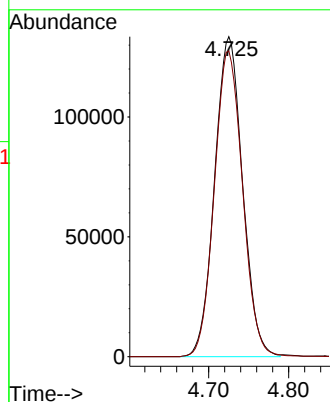
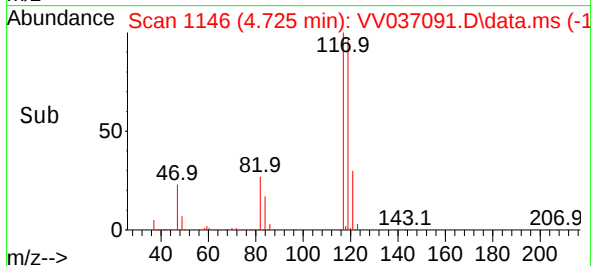


#31
Carbon tetrachloride
Concen: 53.370 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VV037091.D
Acq: 27 Aug 2024 17:05

Instrument :
MSVOA_V
ClientSampleId :

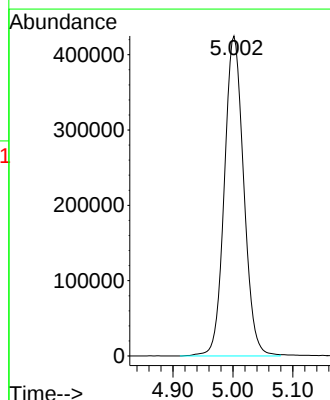
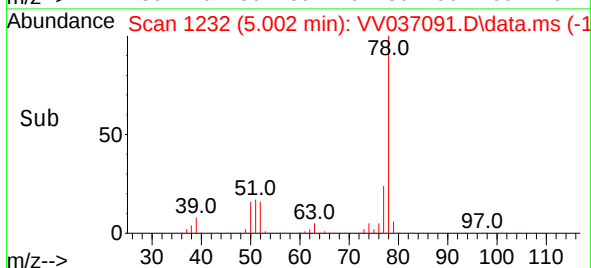
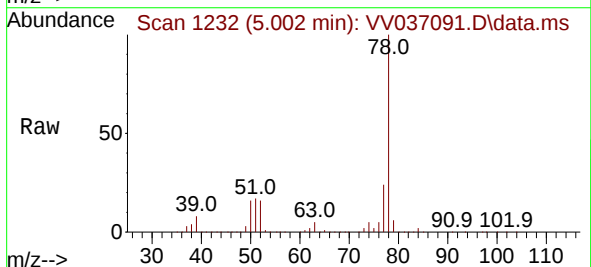


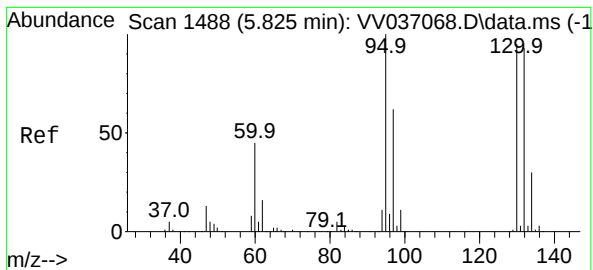
Tgt Ion:117 Resp: 323848
Ion Ratio Lower Upper
117 100
119 96.4 75.8 113.6



#33
Benzene
Concen: 52.754 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VV037091.D
Acq: 27 Aug 2024 17:05

Tgt Ion: 78 Resp: 951485





#34

Trichloroethene

Concen: 52.753 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 251135

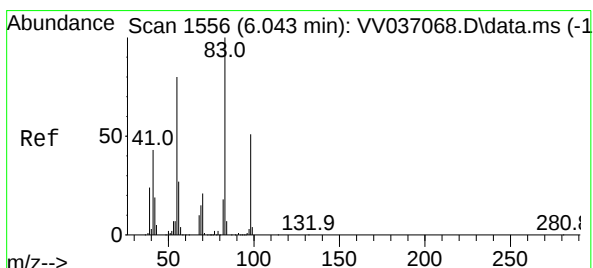
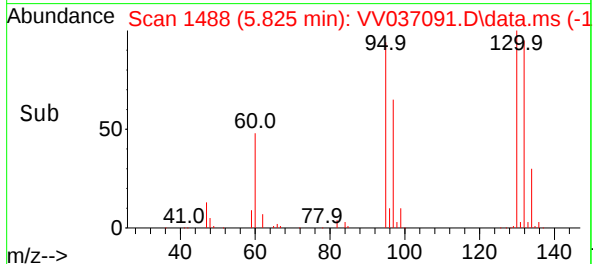
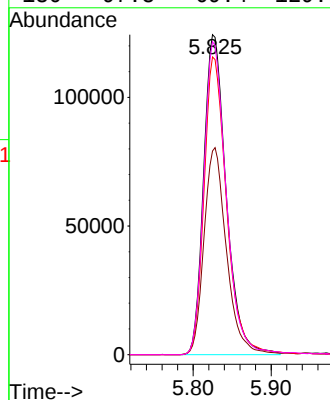
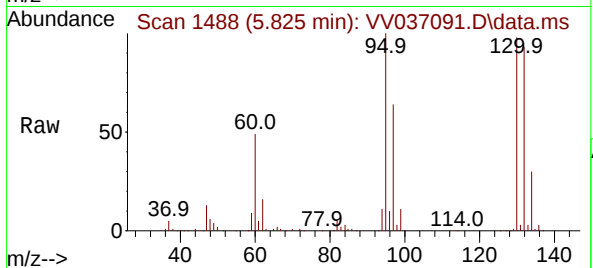
Ion Ratio Lower Upper

95 100

97 63.6 44.4 82.5

132 93.1 64.9 120.5

130 97.8 69.4 129.0



#35

Methylcyclohexane

Concen: 52.301 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. -0.003 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

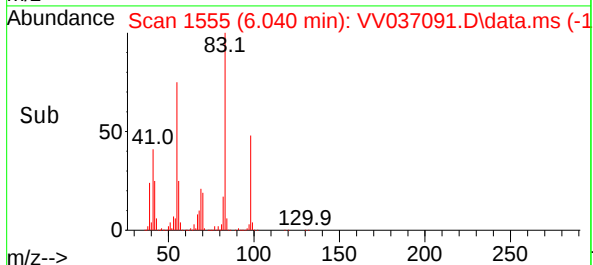
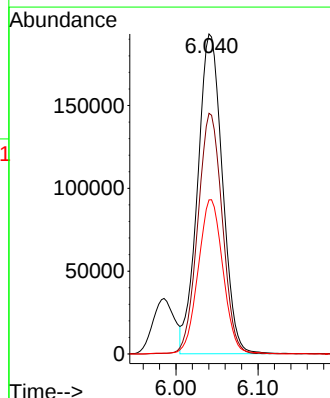
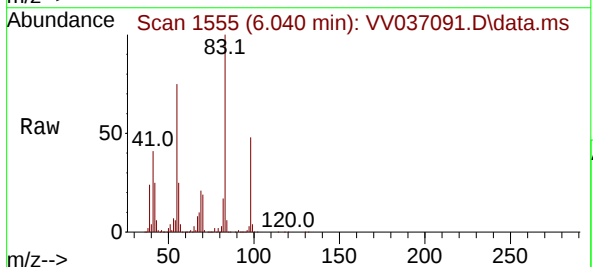
Tgt Ion: 83 Resp: 404530

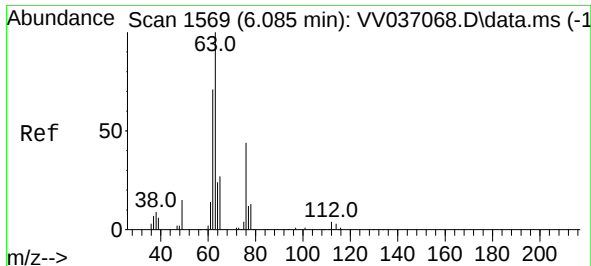
Ion Ratio Lower Upper

83 100

55 74.4 61.2 91.8

98 48.5 39.3 58.9





#37

1,2-Dichloropropane

Concen: 50.564 ug/L

RT: 6.088 min Scan# 1569

Delta R.T. 0.003 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

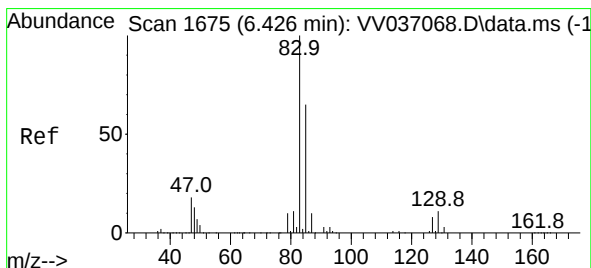
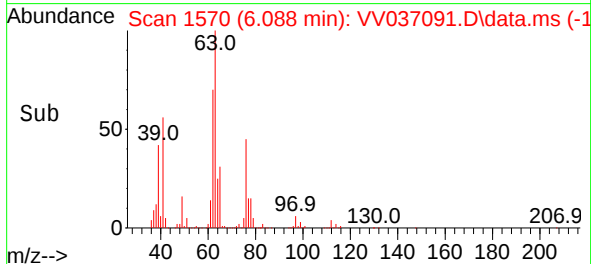
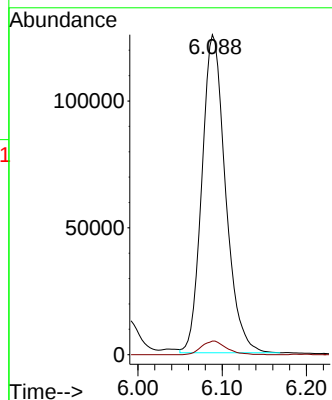
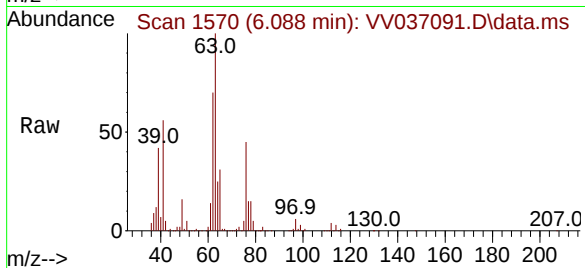
ClientSampleId :

Tgt Ion: 63 Resp: 244495

Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3



#38

Bromodichloromethane

Concen: 53.410 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.003 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

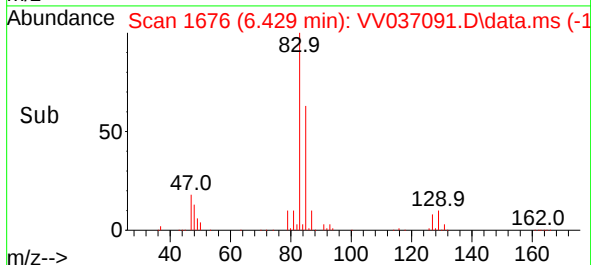
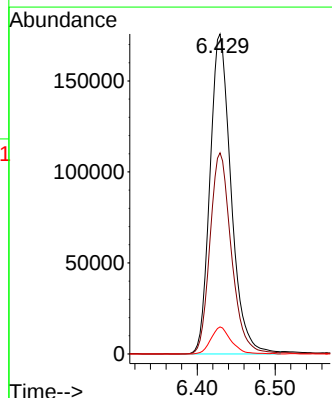
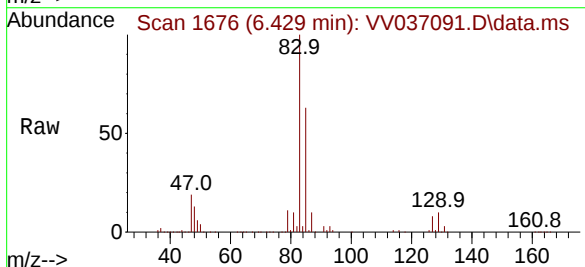
Tgt Ion: 83 Resp: 331007

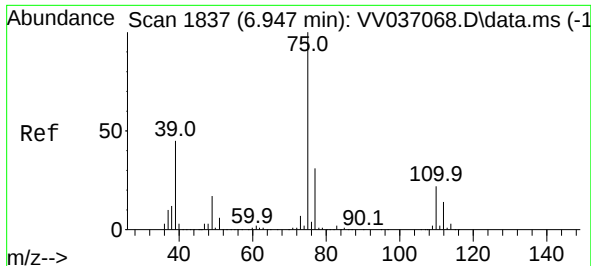
Ion Ratio Lower Upper

83 100

85 62.9 44.5 82.7

127 8.5 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 53.917 ug/L

RT: 6.950 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

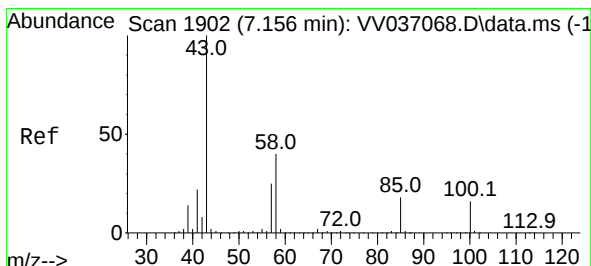
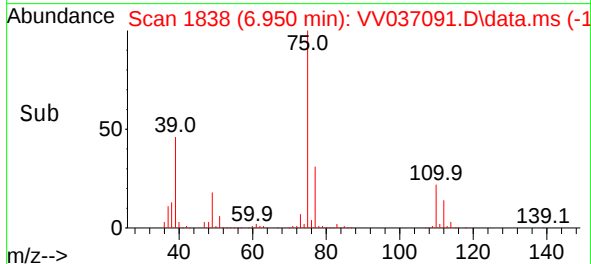
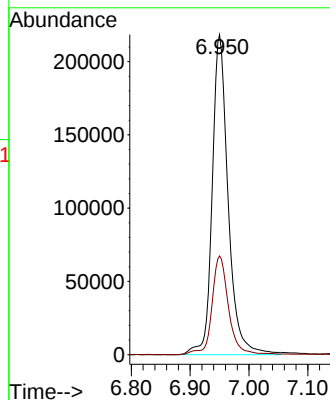
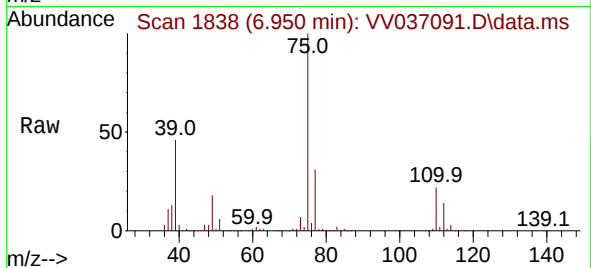
ClientSampleId :

Tgt Ion: 75 Resp: 411418

Ion Ratio Lower Upper

75 100

77 30.9 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 125.170 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

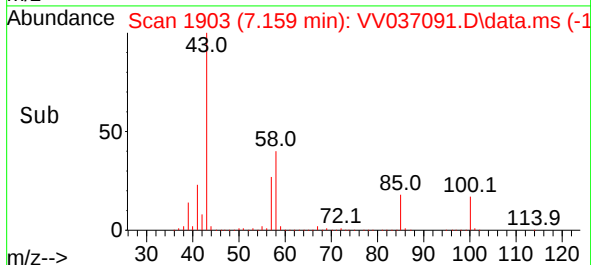
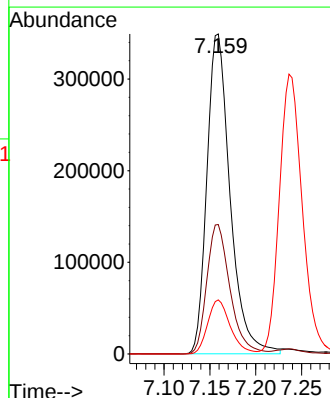
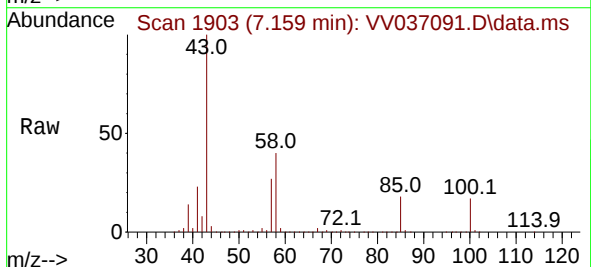
Tgt Ion: 43 Resp: 615318

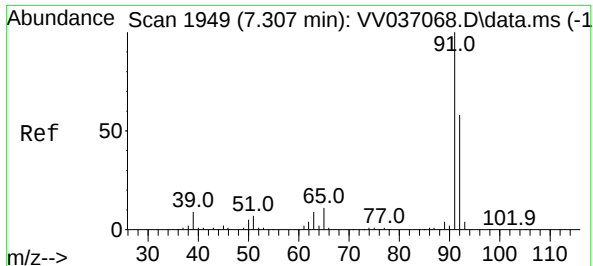
Ion Ratio Lower Upper

43 100

58 40.4 32.0 48.0

100 16.5 12.4 18.6





#42

Toluene

Concen: 54.631 ug/L

RT: 7.310 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

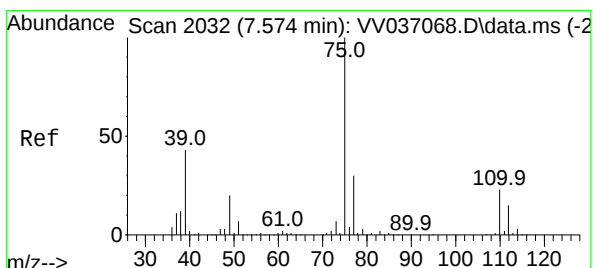
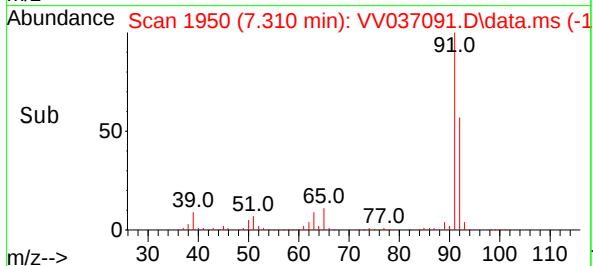
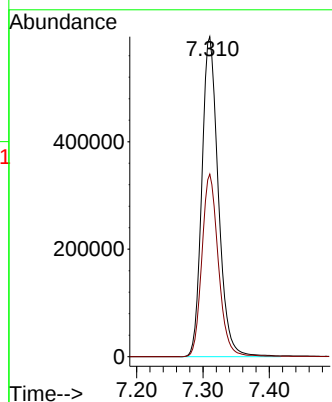
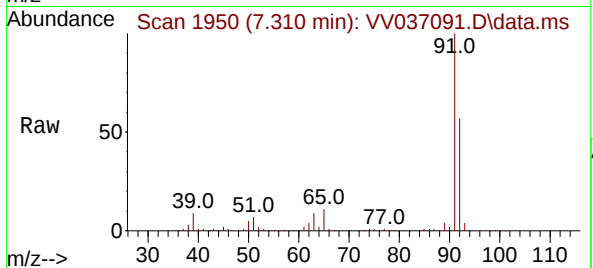
ClientSampleId :

Tgt Ion: 91 Resp: 1025921

Ion Ratio Lower Upper

91 100

92 57.0 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 54.497 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.003 min

Lab File: VV037091.D

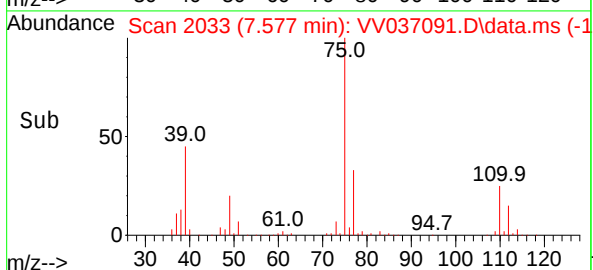
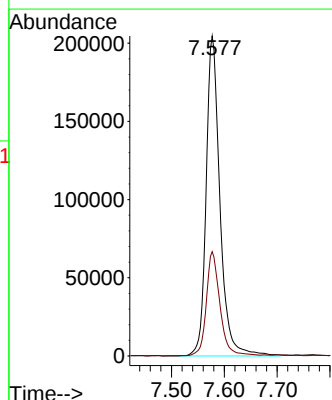
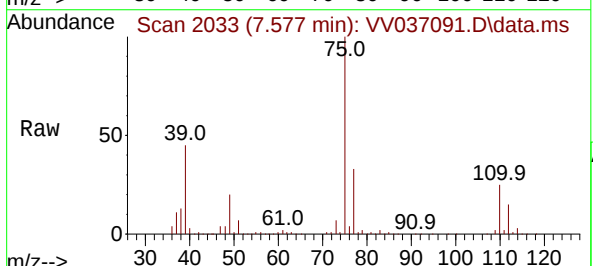
Acq: 27 Aug 2024 17:05

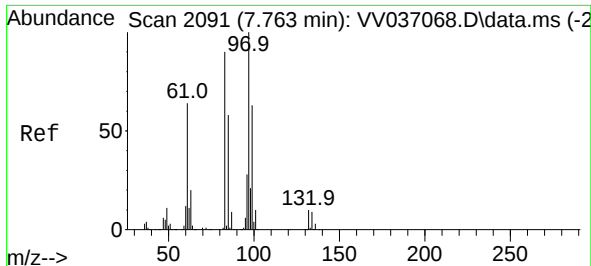
Tgt Ion: 75 Resp: 371696

Ion Ratio Lower Upper

75 100

77 32.6 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 53.441 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 240549

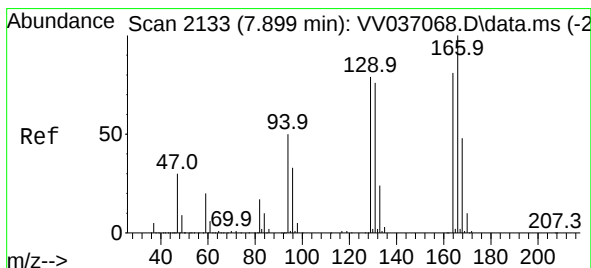
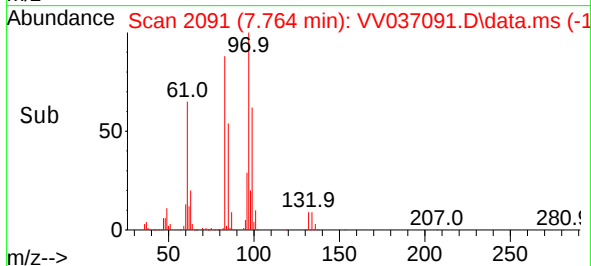
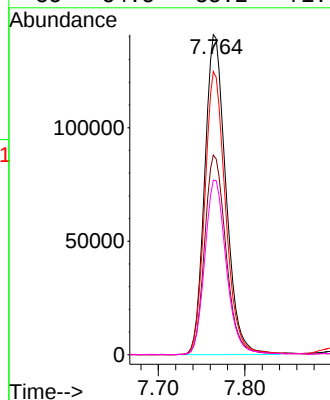
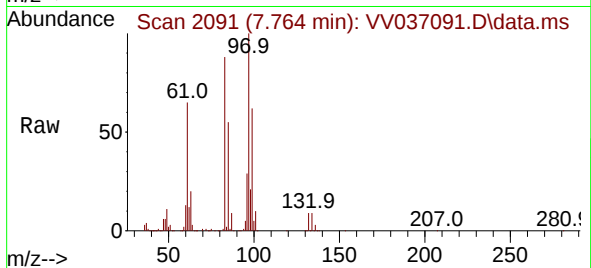
Ion Ratio Lower Upper

97 100

99 62.4 42.6 79.0

83 88.4 60.5 112.3

85 54.5 38.2 71.0



#46

Tetrachloroethene

Concen: 52.548 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Tgt Ion: 164 Resp: 179488

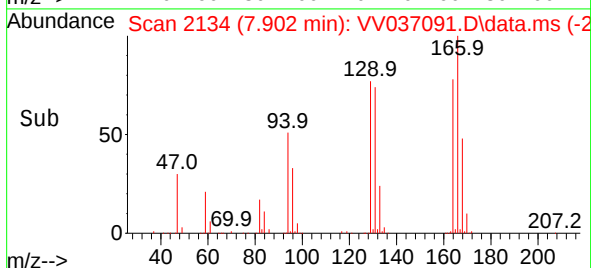
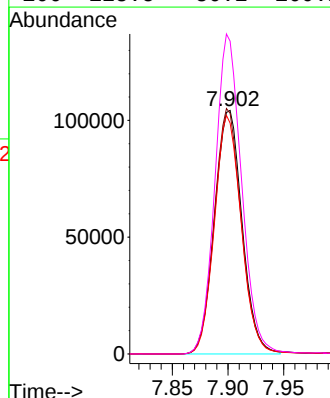
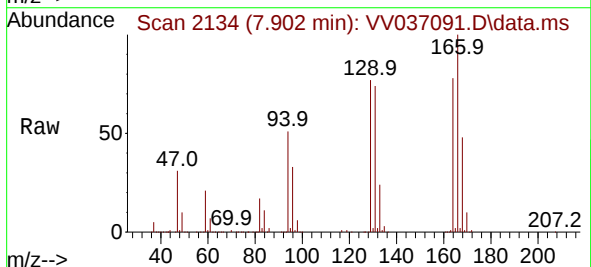
Ion Ratio Lower Upper

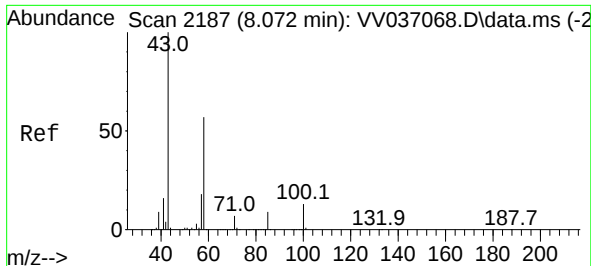
164 100

129 98.9 67.1 124.7

131 94.8 67.0 124.4

166 128.5 86.2 160.2





#48

2-Hexanone

Concen: 117.880 ug/L

RT: 8.075 min Scan# 2187

Delta R.T. 0.003 min

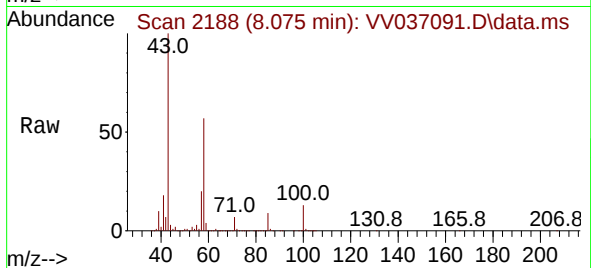
Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 448159

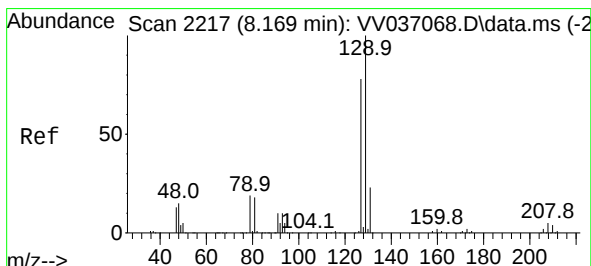
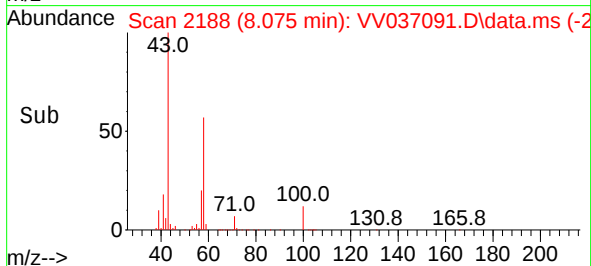
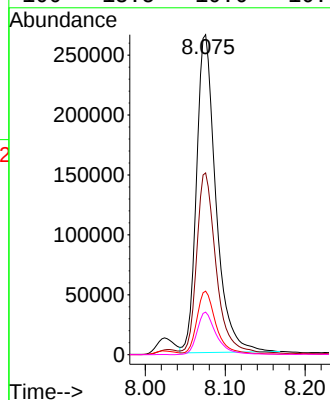
Ion Ratio Lower Upper

43 100

58 57.6 46.0 69.0

57 19.9 15.6 23.4

100 13.5 10.6 16.0



#49

Dibromochloromethane

Concen: 53.465 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.003 min

Lab File: VV037091.D

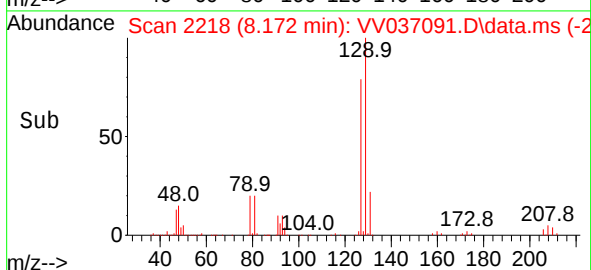
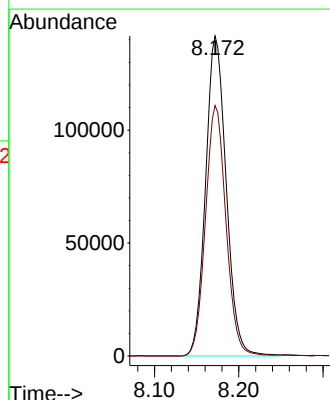
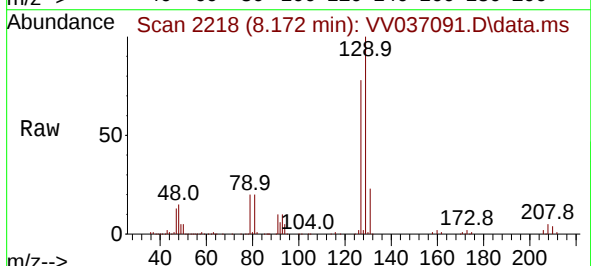
Acq: 27 Aug 2024 17:05

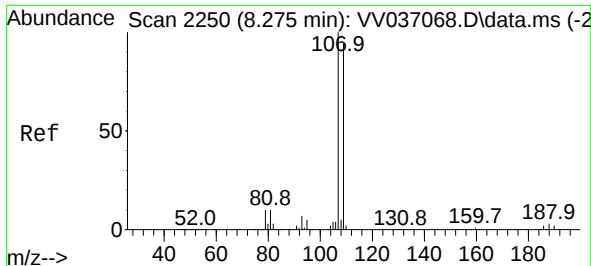
Tgt Ion: 129 Resp: 240973

Ion Ratio Lower Upper

129 100

127 78.3 54.7 101.7

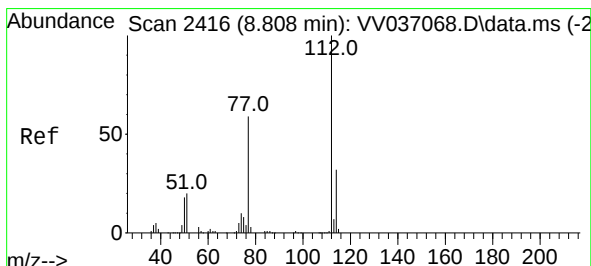
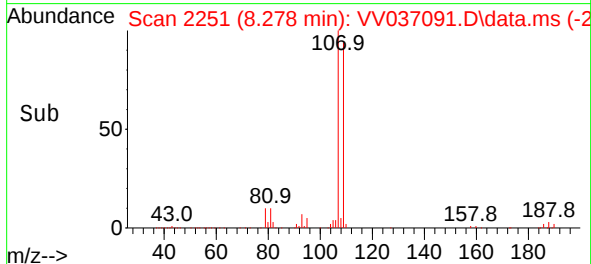
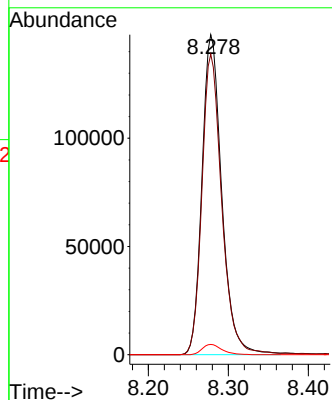
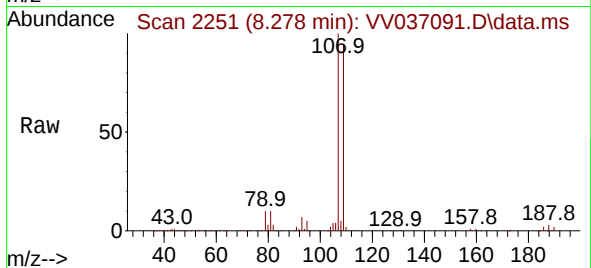




#50
1,2-Dibromoethane
Concen: 55.897 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV037091.D
Acq: 27 Aug 2024 17:05

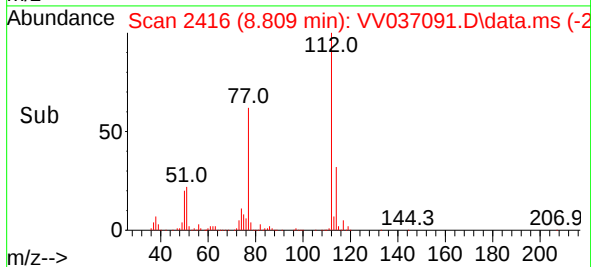
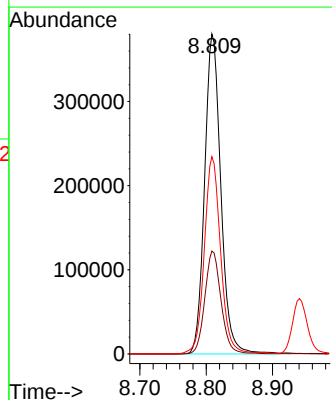
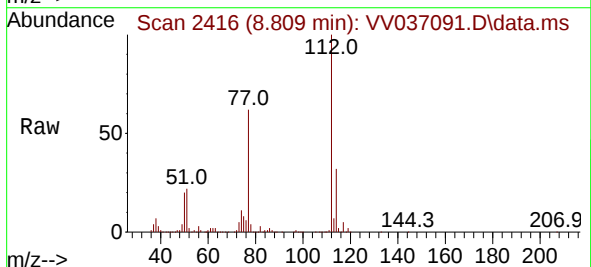
Instrument :
MSVOA_V
ClientSampleId :

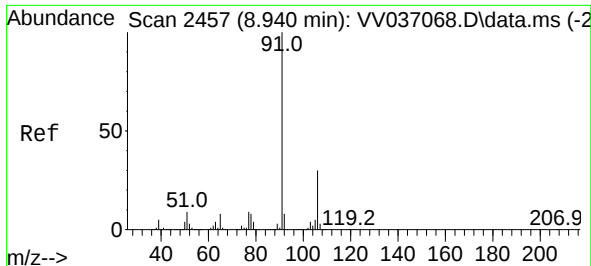
Tgt Ion:107 Resp: 254603
Ion Ratio Lower Upper
107 100
109 93.9 66.6 123.6
188 3.2 2.6 3.8



#51
Chlorobenzene
Concen: 52.095 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.000 min
Lab File: VV037091.D
Acq: 27 Aug 2024 17:05

Tgt Ion:112 Resp: 647663
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.5
77 61.7 47.8 71.8





#52

Ethylbenzene

Concen: 54.502 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

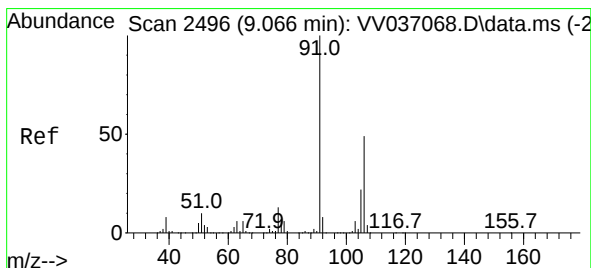
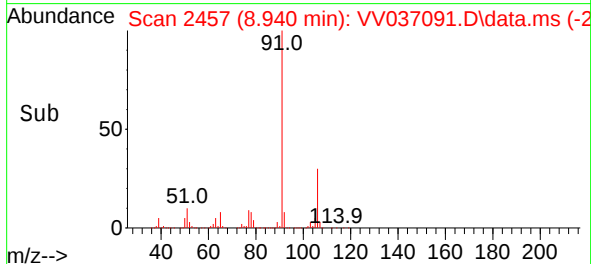
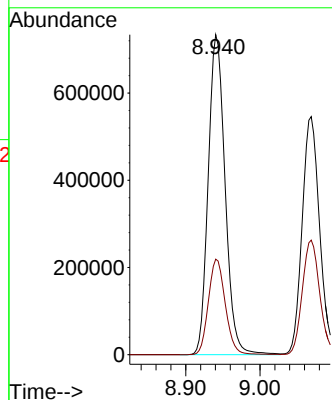
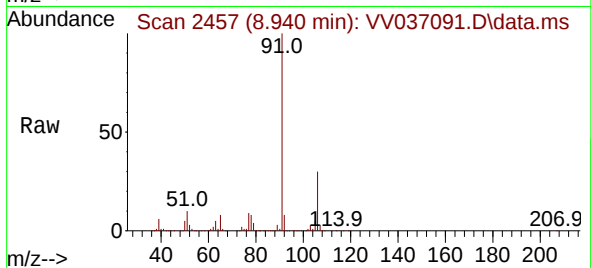
ClientSampleId :

Tgt Ion: 91 Resp: 1156094

Ion Ratio Lower Upper

91 100

106 29.9 21.4 39.8



#53

m,p-Xylene

Concen: 54.991 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.003 min

Lab File: VV037091.D

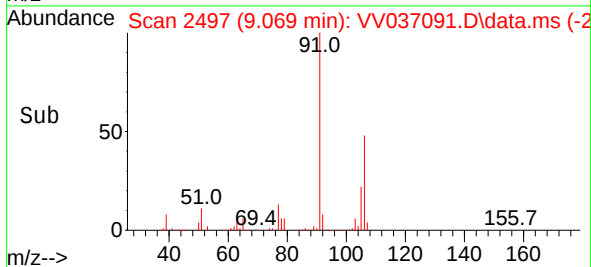
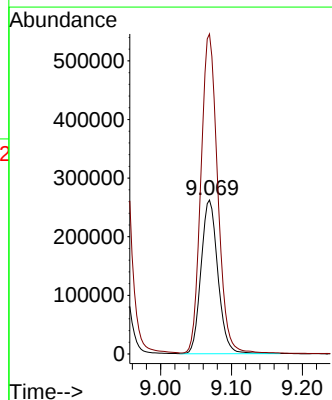
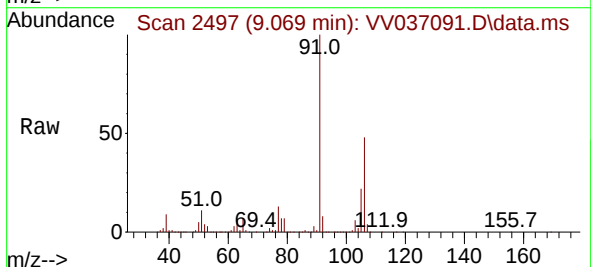
Acq: 27 Aug 2024 17:05

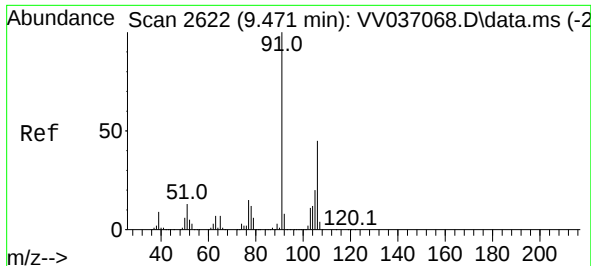
Tgt Ion: 106 Resp: 432184

Ion Ratio Lower Upper

106 100

91 207.8 143.0 265.6





#54

o-Xylene

Concen: 53.934 ug/L

RT: 9.474 min Scan# 2623

Delta R.T. 0.003 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

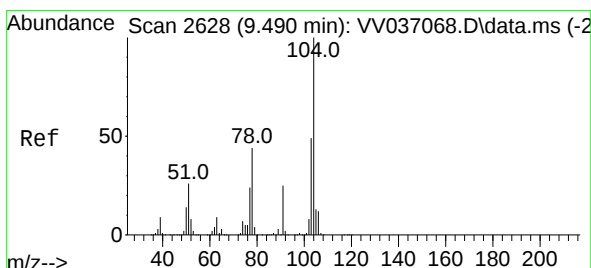
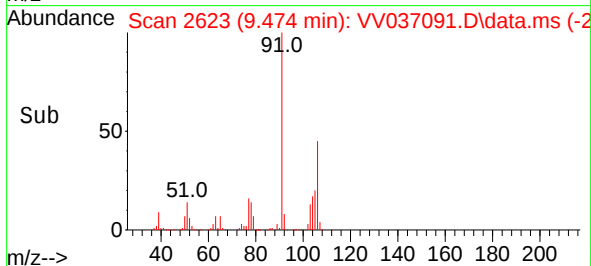
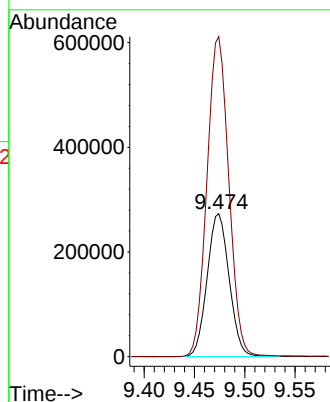
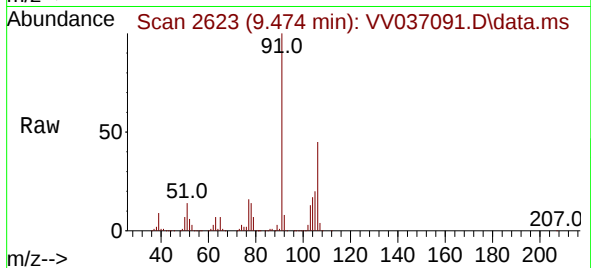
ClientSampleId :

Tgt Ion:106 Resp: 415023

Ion Ratio Lower Upper

106 100

91 223.7 153.2 284.6



#55

Styrene

Concen: 54.737 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. 0.000 min

Lab File: VV037091.D

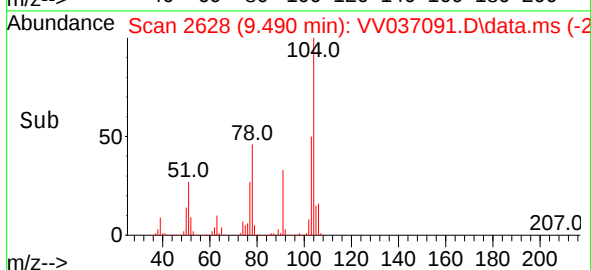
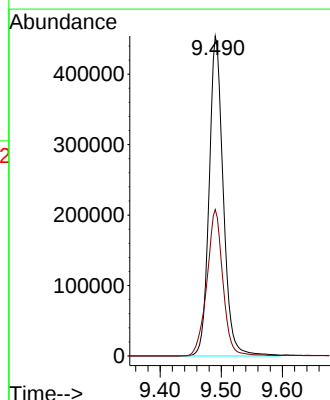
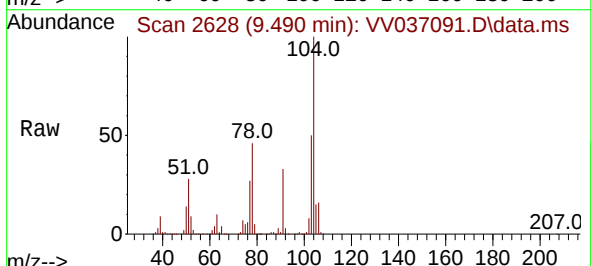
Acq: 27 Aug 2024 17:05

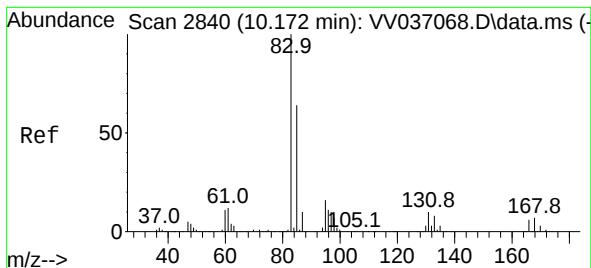
Tgt Ion:104 Resp: 730864

Ion Ratio Lower Upper

104 100

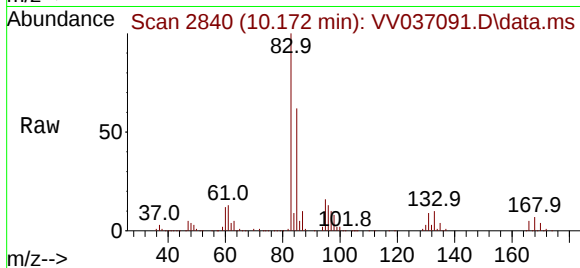
78 45.8 30.9 57.5



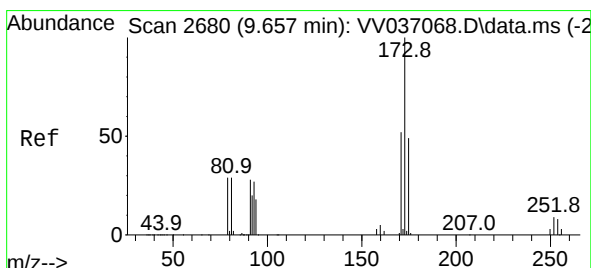
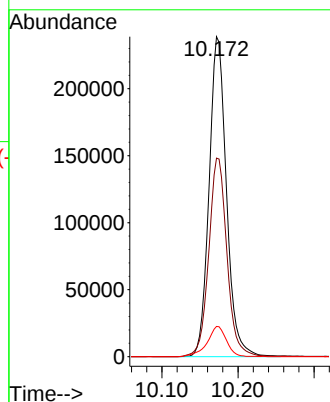
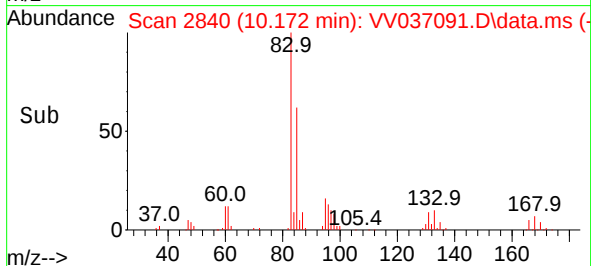


#57
1,1,2,2-Tetrachloroethane
Concen: 56.998 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. 0.000 min
Lab File: VV037091.D
Acq: 27 Aug 2024 17:05

Instrument :
MSVOA_V
ClientSampleId :

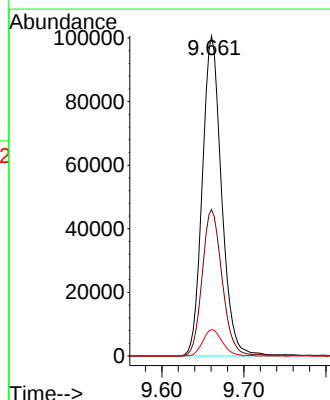
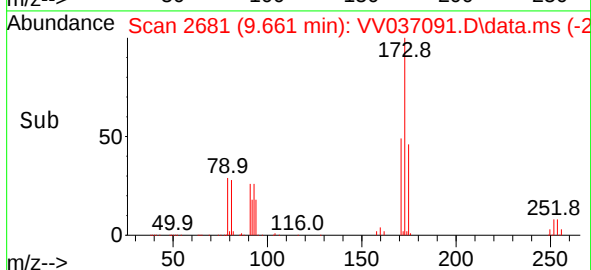
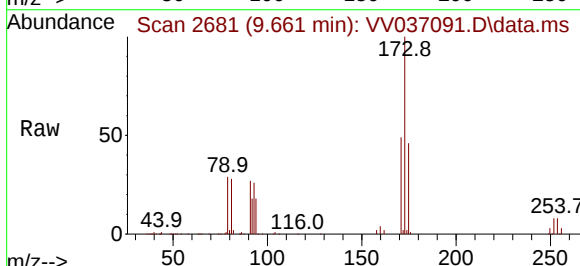


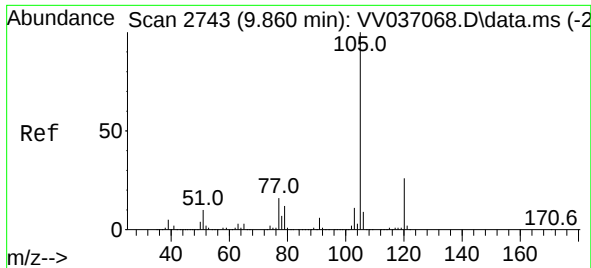
Tgt Ion: 83 Resp: 379974
Ion Ratio Lower Upper
83 100
85 62.1 45.1 83.7
131 9.5 7.4 11.0



#59
Bromoform
Concen: 55.943 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.003 min
Lab File: VV037091.D
Acq: 27 Aug 2024 17:05

Tgt Ion: 173 Resp: 163961
Ion Ratio Lower Upper
173 100
175 47.2 38.7 58.1
254 8.3 6.8 10.2

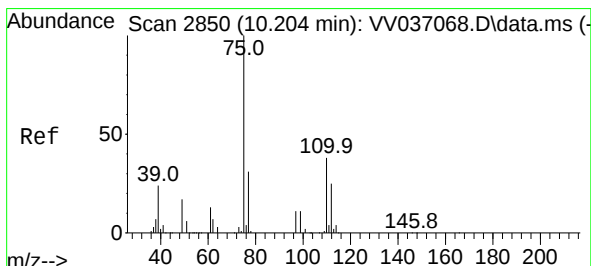
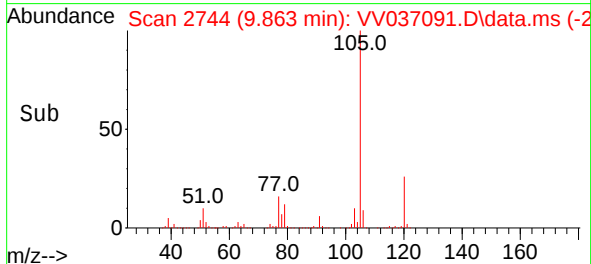
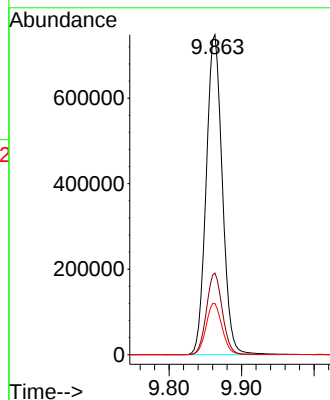
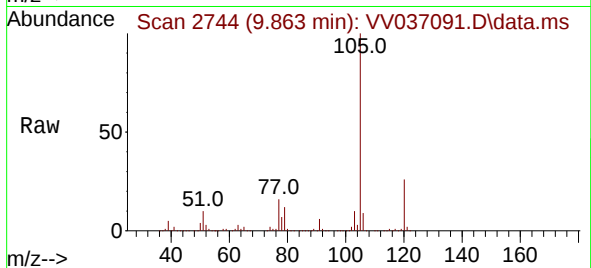




#60
Isopropylbenzene
Concen: 56.562 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV037091.D
Acq: 27 Aug 2024 17:05

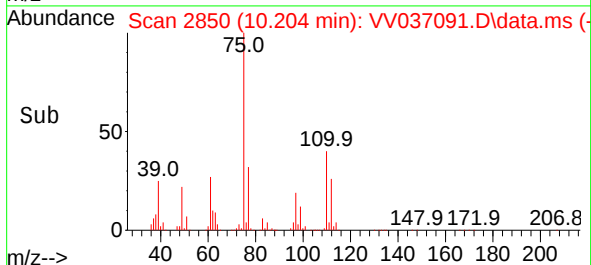
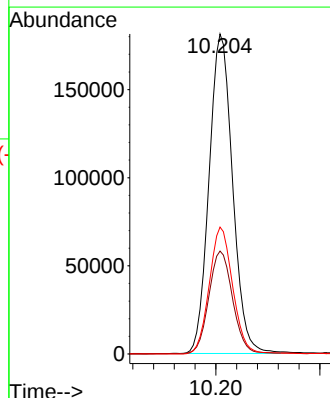
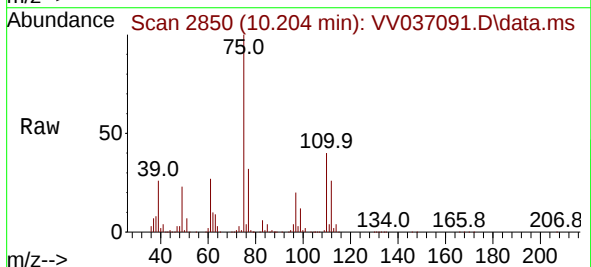
Instrument :
MSVOA_V
ClientSampleId :

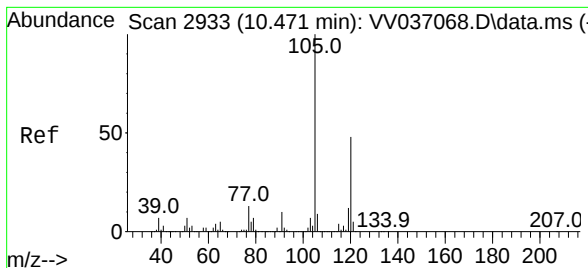
Tgt Ion:105 Resp: 1154136
Ion Ratio Lower Upper
105 100
120 25.2 20.9 31.3
77 15.9 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 58.151 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.000 min
Lab File: VV037091.D
Acq: 27 Aug 2024 17:05

Tgt Ion: 75 Resp: 284722
Ion Ratio Lower Upper
75 100
77 32.5 25.2 37.8
110 39.7 31.1 46.7





#62

1,3,5-Trimethylbenzene

Concen: 56.815 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.000 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

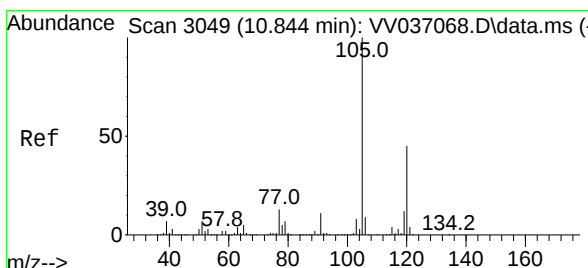
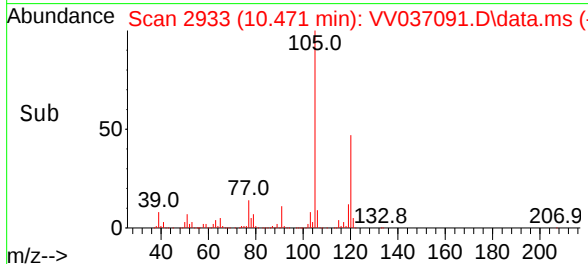
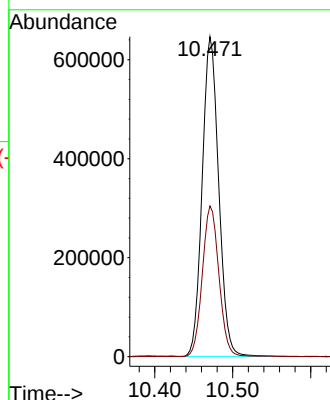
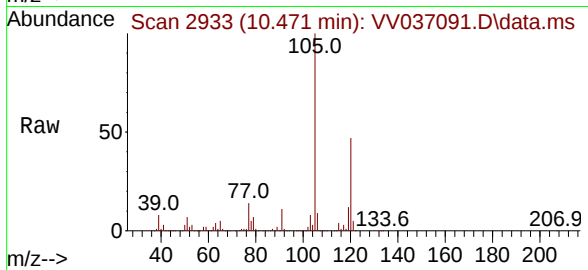
ClientSampleId :

Tgt Ion:105 Resp: 948483

Ion Ratio Lower Upper

105 100

120 47.7 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 57.241 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV037091.D

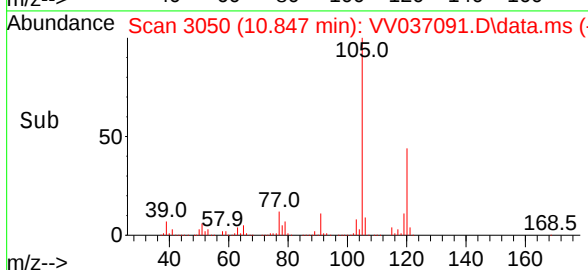
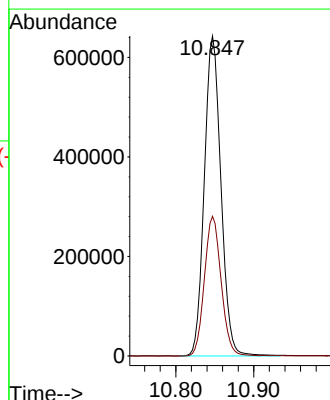
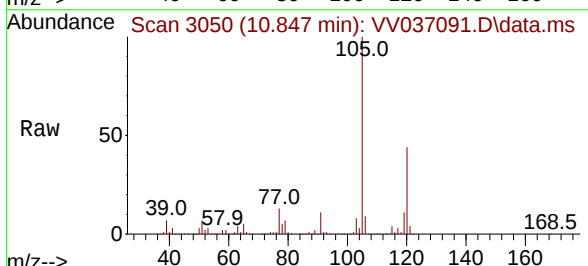
Acq: 27 Aug 2024 17:05

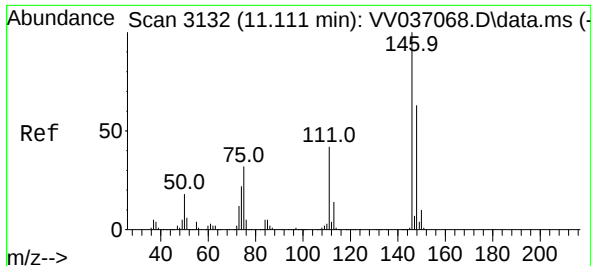
Tgt Ion:105 Resp: 953652

Ion Ratio Lower Upper

105 100

120 43.9 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 53.088 ug/L

RT: 11.114 min Scan# 3132

Delta R.T. 0.003 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

ClientSampleId :

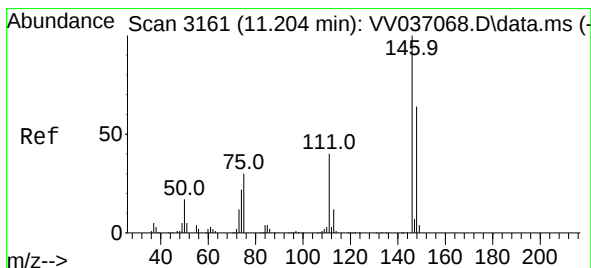
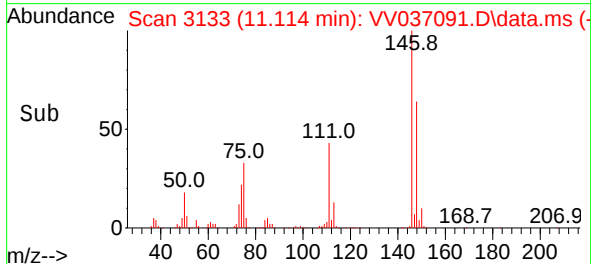
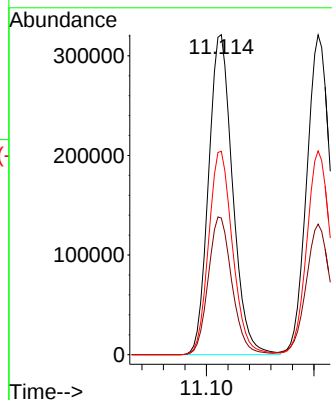
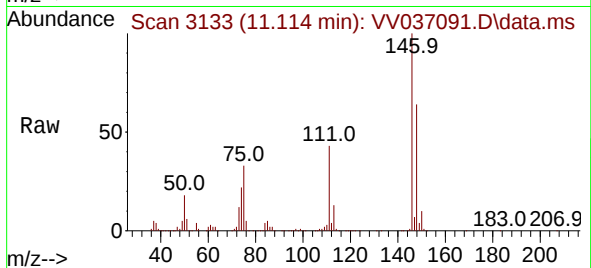
Tgt Ion:146 Resp: 500202

Ion Ratio Lower Upper

146 100

111 42.7 29.7 55.1

148 63.6 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 53.382 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

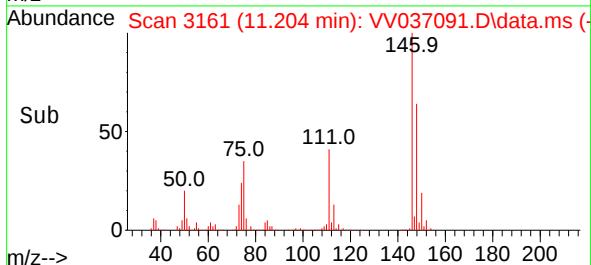
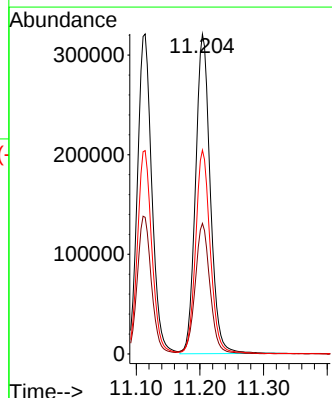
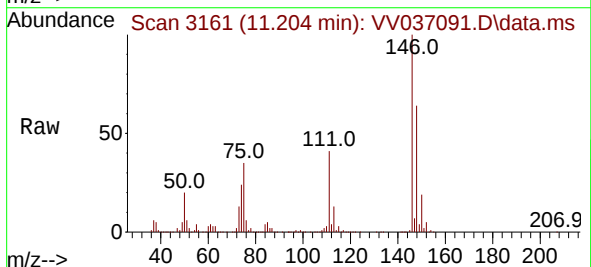
Tgt Ion:146 Resp: 514784

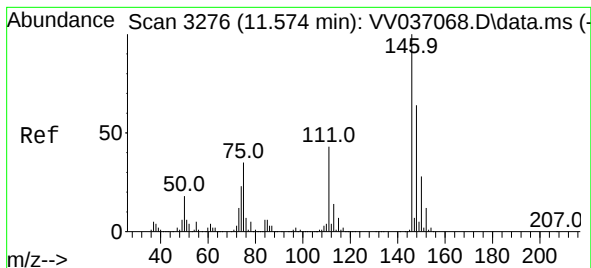
Ion Ratio Lower Upper

146 100

111 40.8 28.1 52.1

148 63.7 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 53.113 ug/L

RT: 11.574 min Scan# 31

Delta R.T. 0.000 min

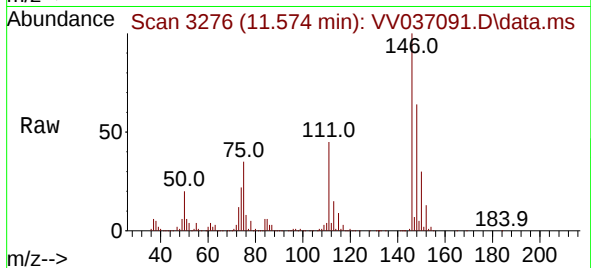
Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

ClientSampleId :



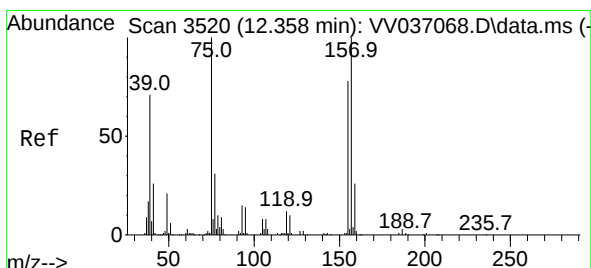
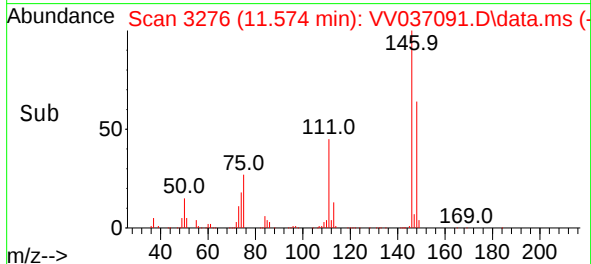
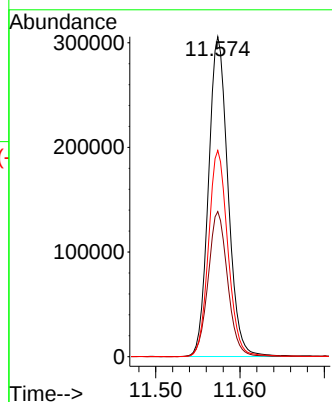
Tgt Ion:146 Resp: 492060

Ion Ratio Lower Upper

146 100

111 45.4 34.6 51.8

148 64.5 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 65.084 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.000 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

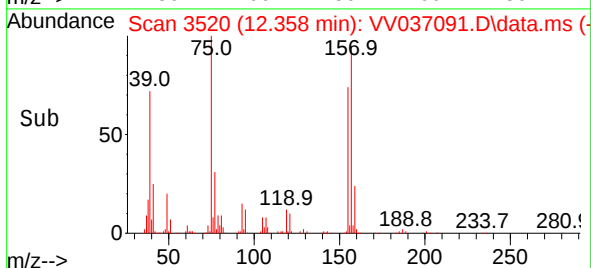
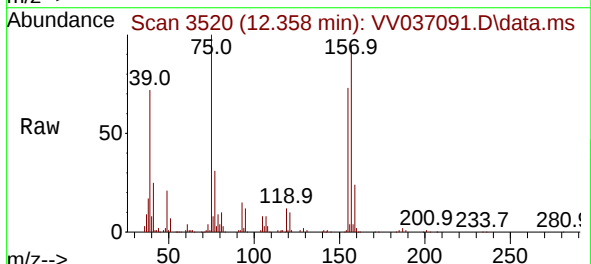
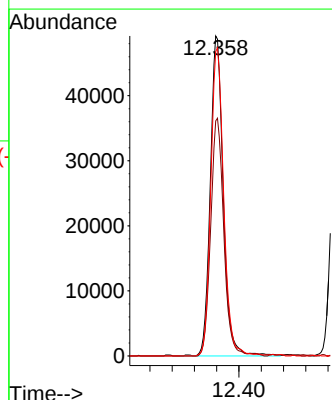
Tgt Ion: 75 Resp: 79471

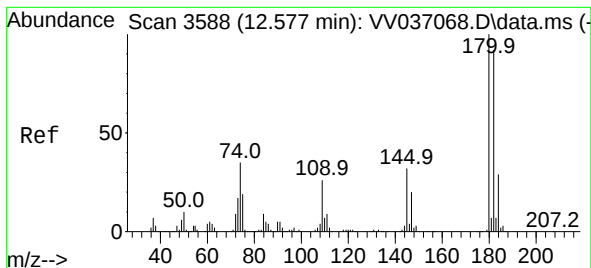
Ion Ratio Lower Upper

75 100

155 73.4 61.8 92.6

157 95.1 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 53.006 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

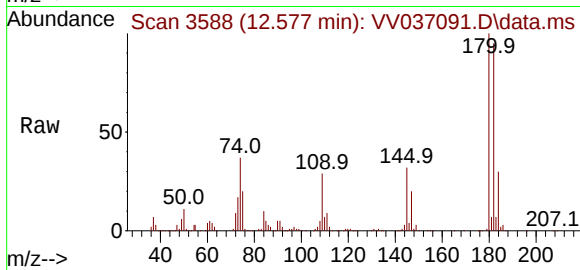
Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 347510

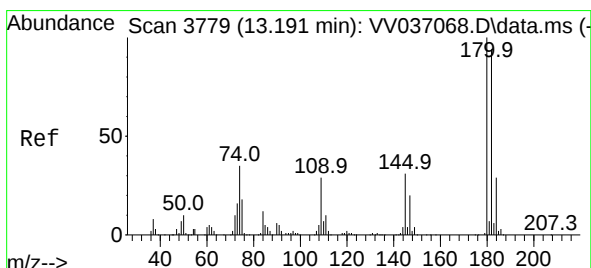
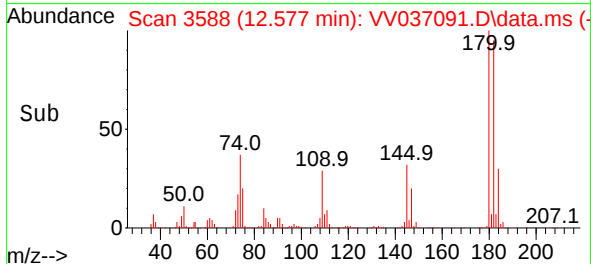
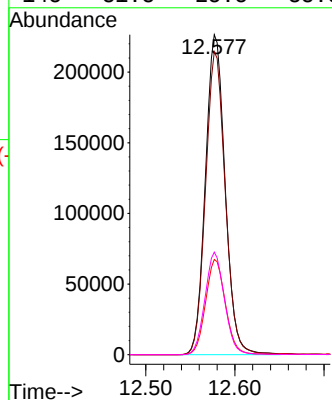
Ion Ratio Lower Upper

180 100

182 94.6 76.7 115.1

184 29.9 24.2 36.2

145 31.8 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 54.143 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.003 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

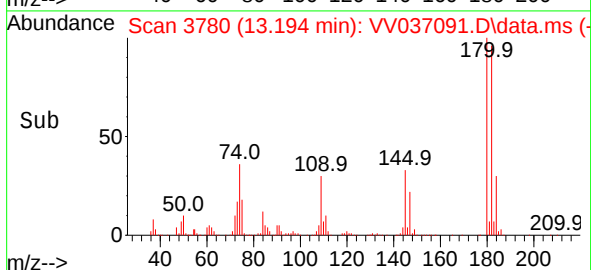
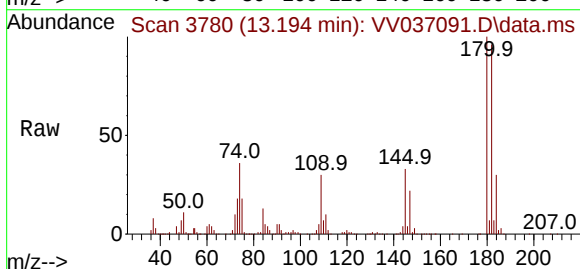
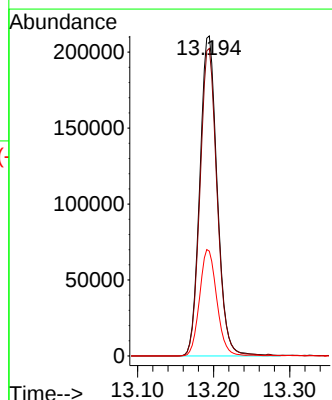
Tgt Ion:180 Resp: 334247

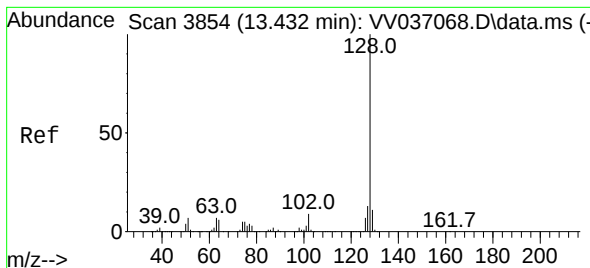
Ion Ratio Lower Upper

180 100

182 94.7 75.7 113.5

145 32.9 26.0 39.0





#71

Naphthalene

Concen: 64.440 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. 0.000 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Instrument :

MSVOA_V

ClientSampleId :

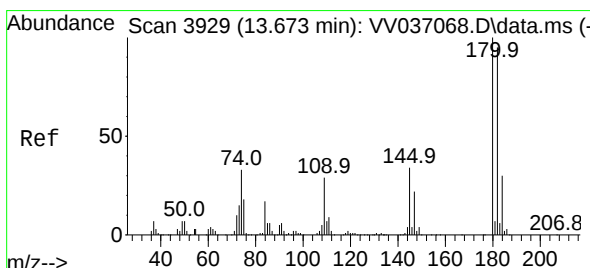
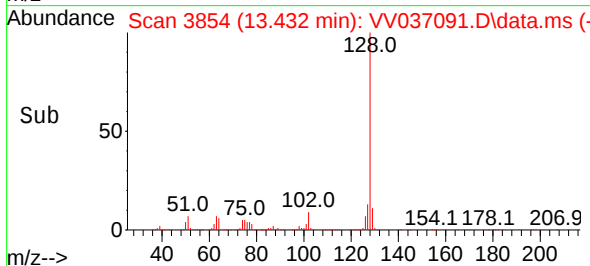
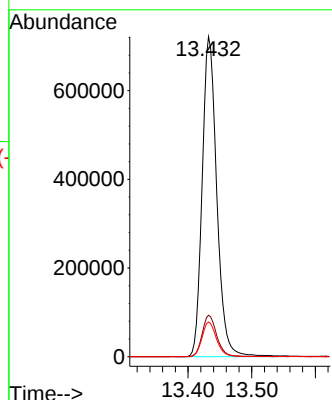
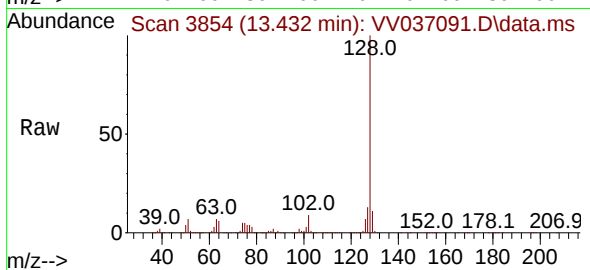
Tgt Ion:128 Resp: 1148731

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 54.778 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.000 min

Lab File: VV037091.D

Acq: 27 Aug 2024 17:05

Tgt Ion:180 Resp: 333256

Ion Ratio Lower Upper

180 100

182 95.6 75.1 112.7

145 35.0 27.0 40.4

