

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037566.D
 Acq On : 26 Sep 2024 21:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 00:57:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 00:49:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	705341	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	664999	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	350866	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	231849	37.445	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.880%
7) Chloroethane-d5	1.532	69	194819	40.536	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.080%
11) 1,1-Dichloroethene-d2	2.060	65	103211	39.898	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.800%
21) 2-Butanone-d5	3.793	46	247109	112.048	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.050%
24) Chloroform-d	4.243	84	518105	47.032	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.060%
26) 1,2-Dichloroethane-d4	4.937	65	308379	47.826	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.660%
32) Benzene-d6	4.953	84	966245	46.434	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.860%
36) 1,2-Dichloropropane-d6	5.986	67	313879	47.369	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.740%
41) Toluene-d8	7.236	98	885793	46.944	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.880%
43) trans-1,3-Dichloroprop...	7.548	79	149644	48.615	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.220%
47) 2-Hexanone-d5	8.024	63	167599	119.783	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.780%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	408155	53.013	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.020%
66) 1,2-Dichlorobenzene-d4	11.554	152	354625	47.965	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	274842	45.772	ug/L	100
3) Chloromethane	1.217	50	276347	47.405	ug/L	100
5) Vinyl chloride	1.285	62	293800	47.010	ug/L	100
6) Bromomethane	1.487	94	166039	47.873	ug/L	100
8) Chloroethane	1.548	64	177808	46.159	ug/L	99
9) Trichlorofluoromethane	1.712	101	386749	45.973	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	222914	44.343	ug/L	99
12) 1,1-Dichloroethene	2.069	96	219712	46.789	ug/L	86
13) Acetone	2.114	43	149413	69.110	ug/L	98
14) Carbon disulfide	2.240	76	653353	44.574	ug/L	100
15) Methyl Acetate	2.372	43	204375	54.169	ug/L	99
16) Methylene chloride	2.446	84	252128	47.420	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	229484	46.195	ug/L	100
18) Methyl tert-butyl Ether	2.706	73	723536	50.766	ug/L	99
19) 1,1-Dichloroethane	3.105	63	455974	47.907	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	279901	50.350	ug/L	96
22) 2-Butanone	3.876	43	226115	94.493	ug/L	100
23) Bromochloromethane	4.140	128	140203	48.756	ug/L	98
25) Chloroform	4.272	83	464590	47.145	ug/L	96

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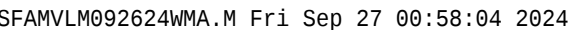
Instrument :
 MSVOA_V
 ClientSampleId :

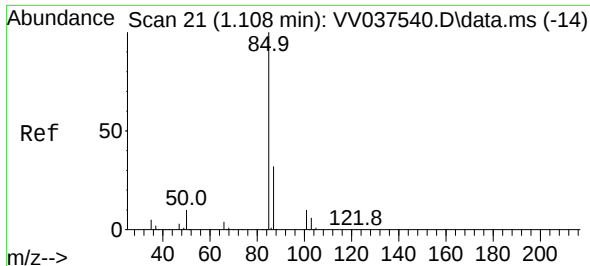
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	337614	48.530	ug/L	100
29) Cyclohexane	4.574	56	348111	46.105	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	397517	48.535	ug/L	99
31) Carbon tetrachloride	4.728	117	336609	47.271	ug/L	99
33) Benzene	5.002	78	995666	49.645	ug/L	100
34) Trichloroethene	5.828	95	257173	48.150	ug/L	99
35) Methylcyclohexane	6.043	83	375873	45.746	ug/L	100
37) 1,2-Dichloropropane	6.088	63	262251	50.638	ug/L	99
38) Bromodichloromethane	6.429	83	344301	49.732	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	412582	49.907	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	486022	115.260	ug/L	100
42) Toluene	7.310	91	1034825	49.772	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	375865	50.500	ug/L	100
45) 1,1,2-Trichloroethane	7.764	97	255671	51.414	ug/L	99
46) Tetrachloroethene	7.899	164	187710	45.967	ug/L	98
48) 2-Hexanone	8.072	43	352131	107.395	ug/L	100
49) Dibromochloromethane	8.172	129	265608	50.466	ug/L	100
50) 1,2-Dibromoethane	8.278	107	261071	50.788	ug/L	100
51) Chlorobenzene	8.809	112	674123	47.590	ug/L	100
52) Ethylbenzene	8.940	91	1127878	48.192	ug/L	98
53) m,p-Xylene	9.066	106	429040	49.257	ug/L	100
54) o-Xylene	9.471	106	425043	49.983	ug/L	96
55) Styrene	9.490	104	750730	50.712	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	365677	52.743	ug/L	98
59) Bromoform	9.657	173	178428	52.031	ug/L	99
60) Isopropylbenzene	9.860	105	1110367	48.676	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	263877	52.853	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	896427	49.706	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	910879	50.762	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	527081	48.005	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	538587	47.108	ug/L	99
67) 1,2-Dichlorobenzene	11.571	146	530245	48.852	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	67505	55.700	ug/L	98
69) 1,3,5-Trichlorobenzene	12.574	180	348191	46.115	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	333555	47.614	ug/L	99
71) Naphthalene	13.432	128	1048895	57.308	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	348018	50.306	ug/L	99

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

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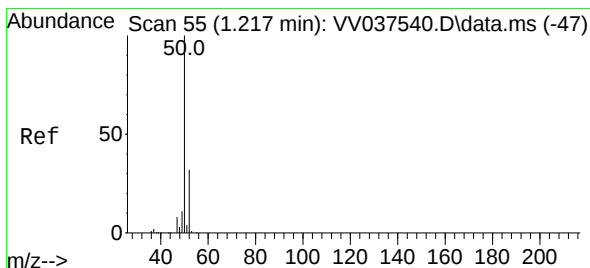
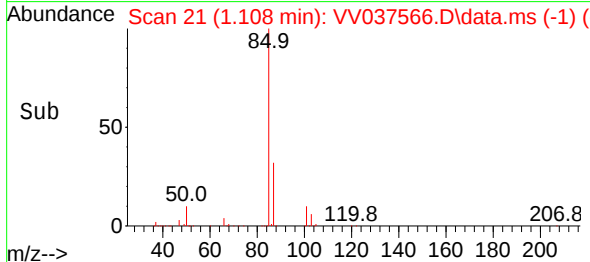
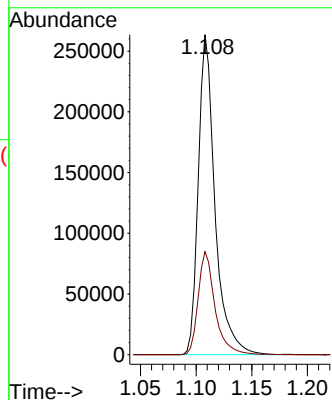
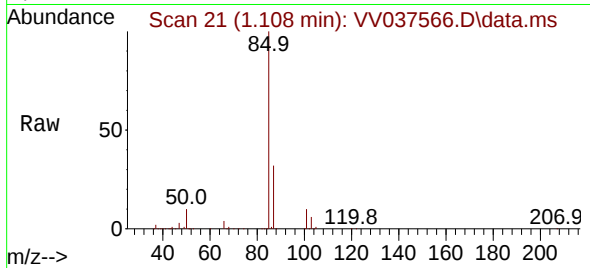




#2
Dichlorodifluoromethane
Concen: 45.772 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

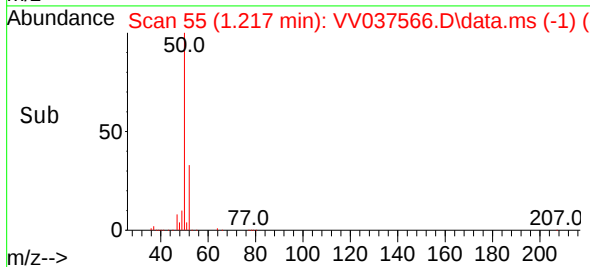
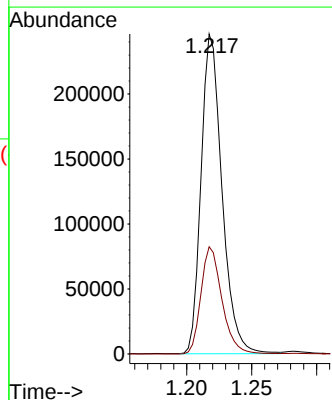
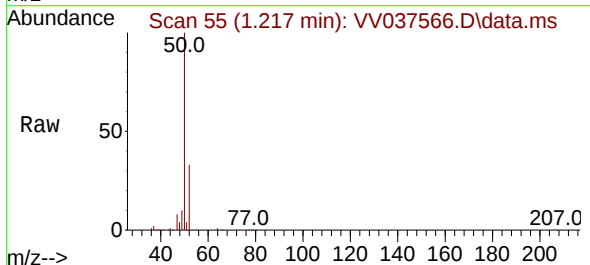
Instrument :
MSVOA_V
ClientSampleId :

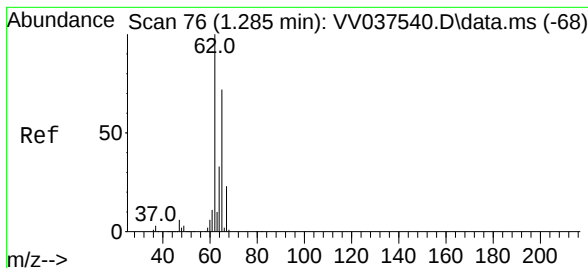
Tgt Ion: 85 Resp: 274842
Ion Ratio Lower Upper
85 100
87 32.5 25.8 38.8



#3
Chloromethane
Concen: 47.405 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

Tgt Ion: 50 Resp: 276347
Ion Ratio Lower Upper
50 100
52 33.5 23.2 43.2





#5

Vinyl chloride

Concen: 47.010 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

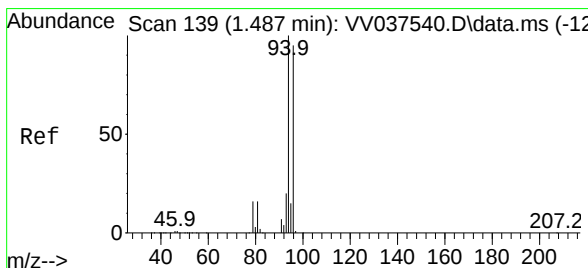
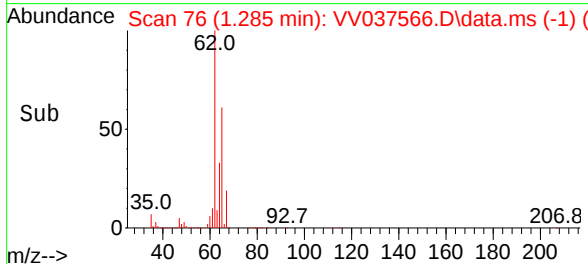
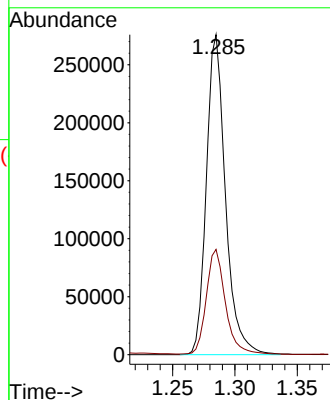
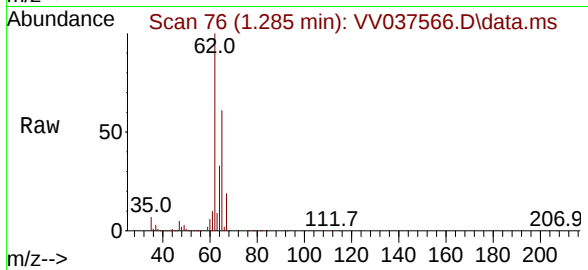
ClientSampleId :

Tgt Ion: 62 Resp: 293800

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.0



#6

Bromomethane

Concen: 47.873 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV037566.D

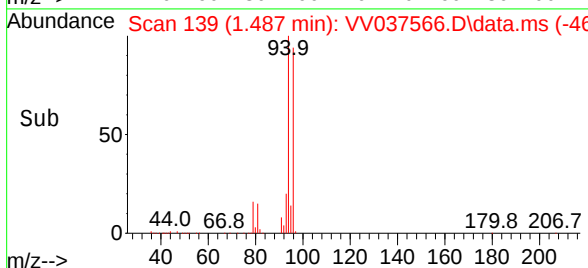
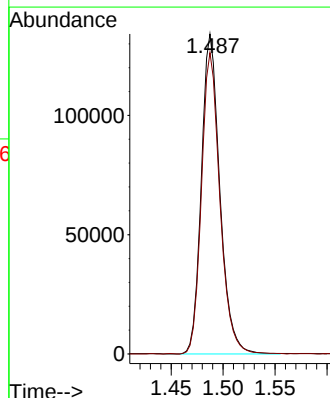
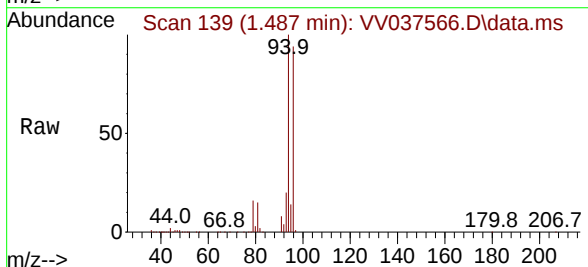
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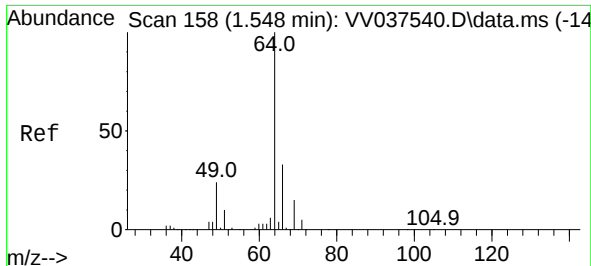
Tgt Ion: 94 Resp: 166039

Ion Ratio Lower Upper

94 100

96 94.1 65.8 122.2





#8

Chloroethane

Concen: 46.159 ug/L

RT: 1.548 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

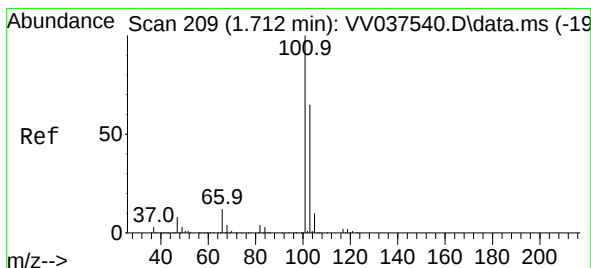
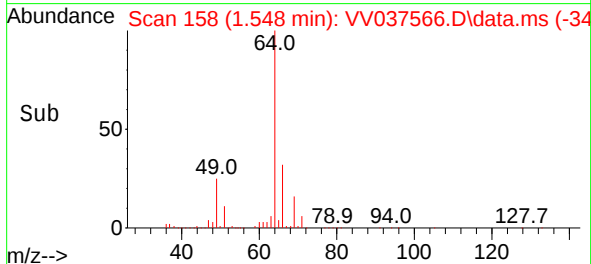
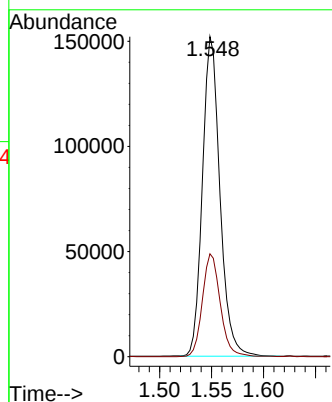
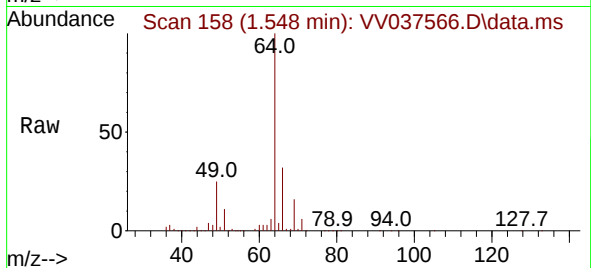
ClientSampleId :

Tgt Ion: 64 Resp: 177808

Ion Ratio Lower Upper

64 100

66 32.2 22.2 41.2



#9

Trichlorofluoromethane

Concen: 45.973 ug/L

RT: 1.712 min Scan# 209

Delta R.T. 0.000 min

Lab File: VV037566.D

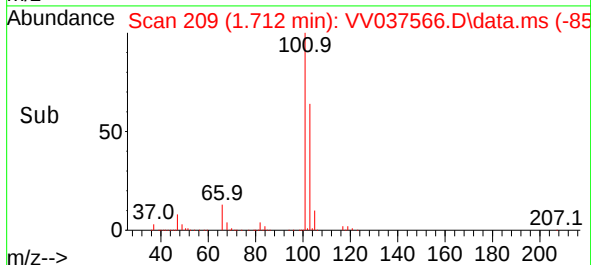
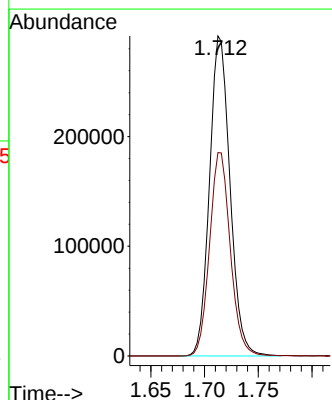
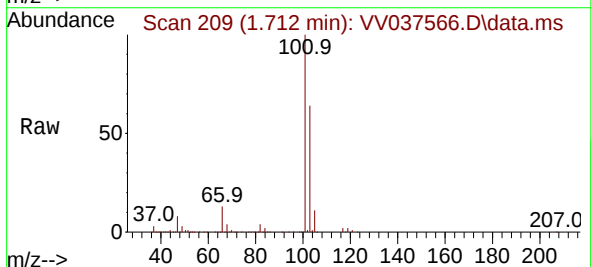
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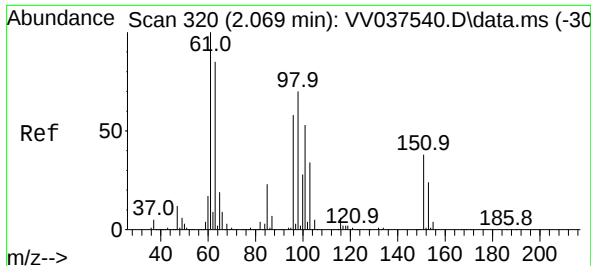
Tgt Ion:101 Resp: 386749

Ion Ratio Lower Upper

101 100

103 64.3 52.2 78.4

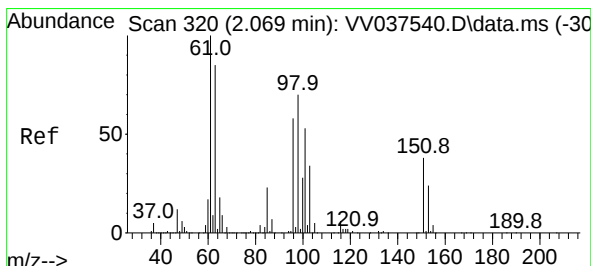
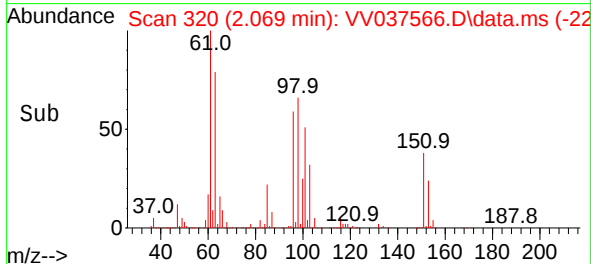
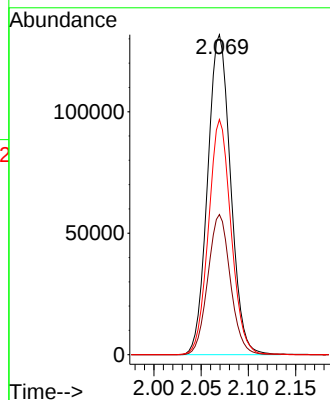
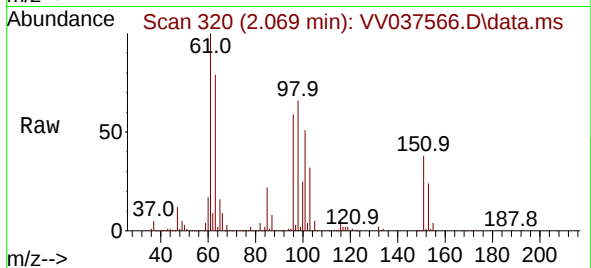




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.343 ug/L
RT: 2.069 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

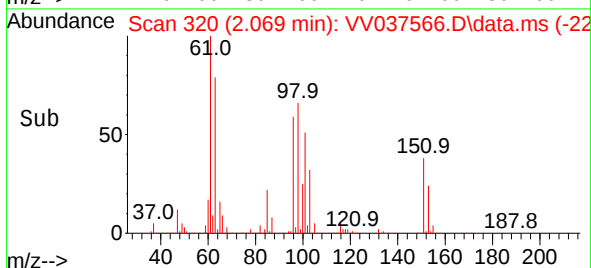
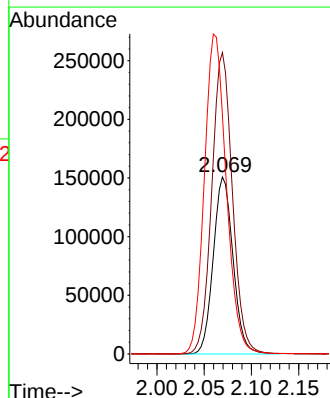
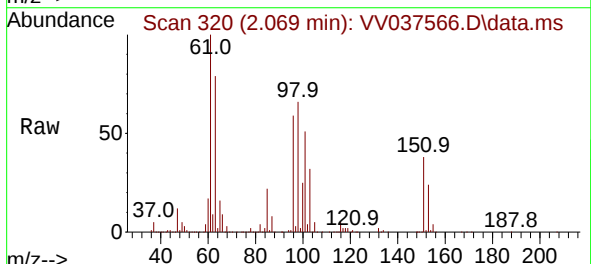
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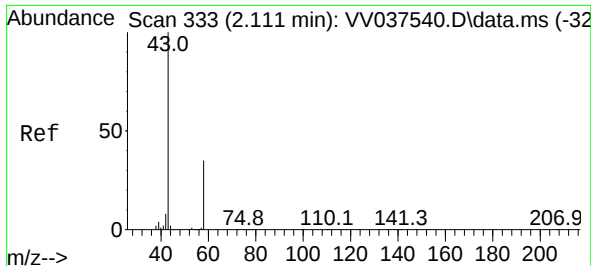
Tgt Ion:101 Resp: 222914
Ion Ratio Lower Upper
101 100
85 42.8 34.6 52.0
151 72.4 57.5 86.3



#12
1,1-Dichloroethene
Concen: 46.789 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

Tgt Ion: 96 Resp: 219712
Ion Ratio Lower Upper
96 100
61 170.3 122.6 227.6
63 134.8 118.0 219.2





#13

Acetone

Concen: 69.110 ug/L

RT: 2.114 min Scan# 333

Delta R.T. 0.003 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

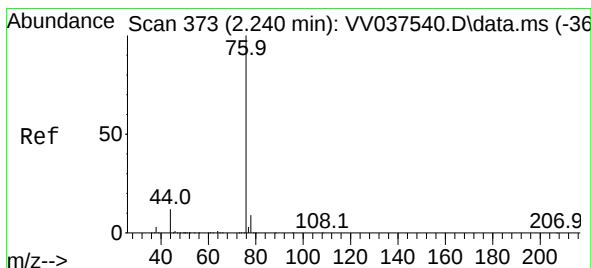
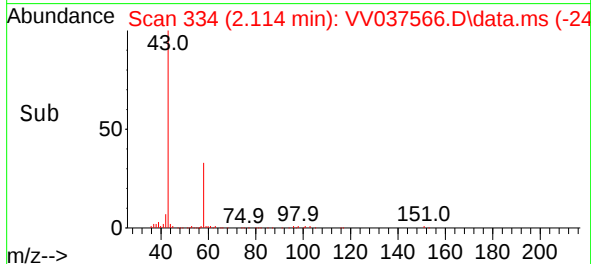
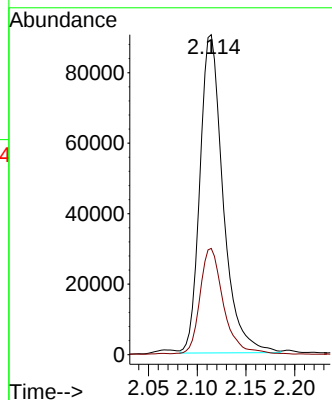
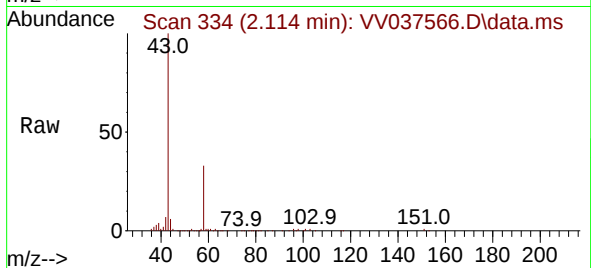
ClientSampleId :

Tgt Ion: 43 Resp: 149413

Ion Ratio Lower Upper

43 100

58 34.2 0.0 66.6



#14

Carbon disulfide

Concen: 44.574 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV037566.D

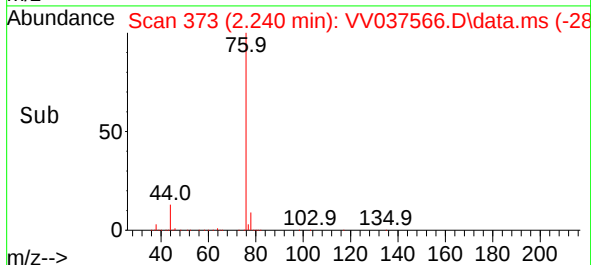
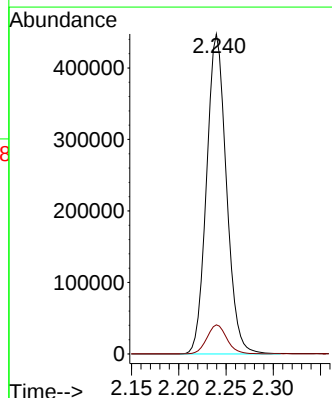
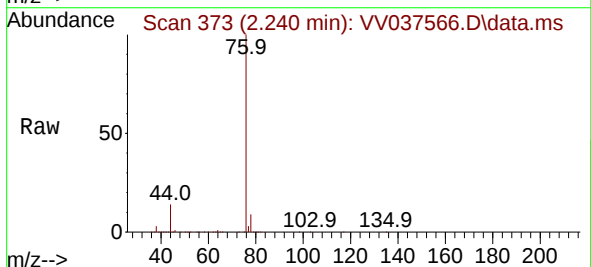
Acq: 26 Sep 2024 21:53

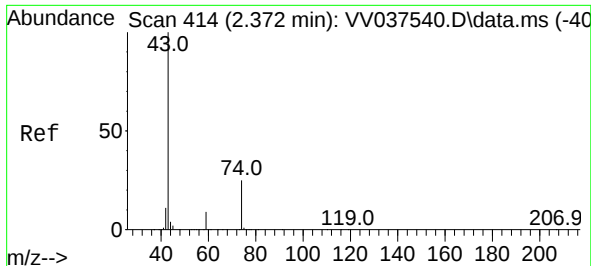
Tgt Ion: 76 Resp: 653353

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





#15

Methyl Acetate

Concen: 54.169 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

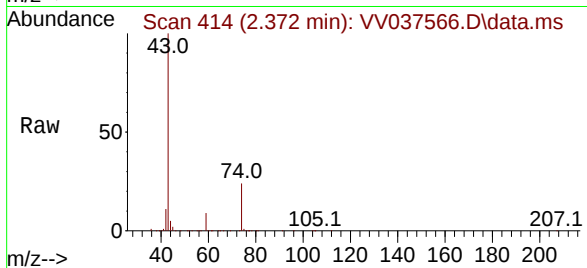
Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

ClientSampleId :

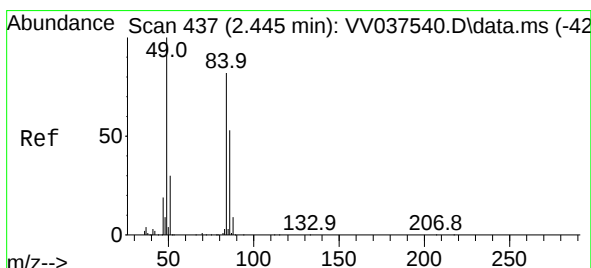
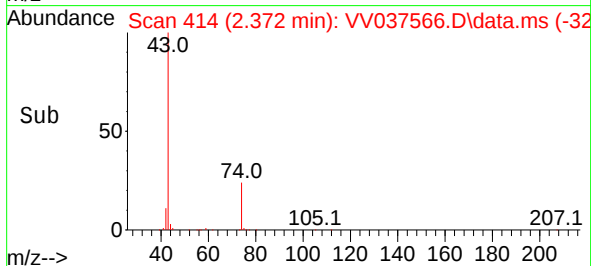
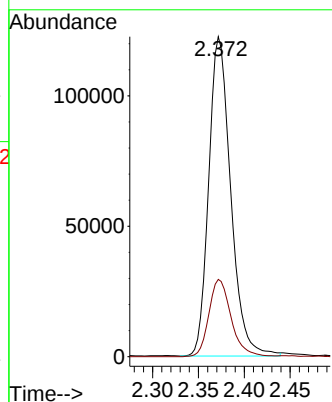


Tgt Ion: 43 Resp: 204375

Ion Ratio Lower Upper

43 100

74 24.5 19.4 29.0



#16

Methylene chloride

Concen: 47.420 ug/L

RT: 2.446 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

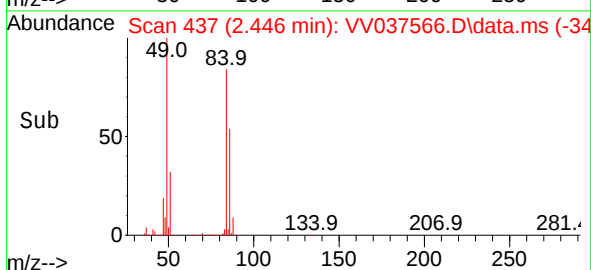
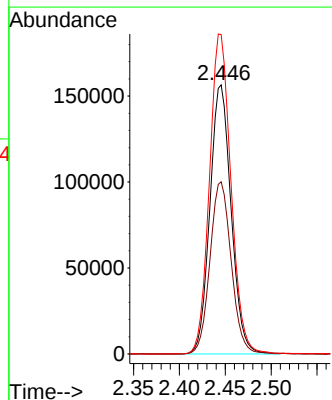
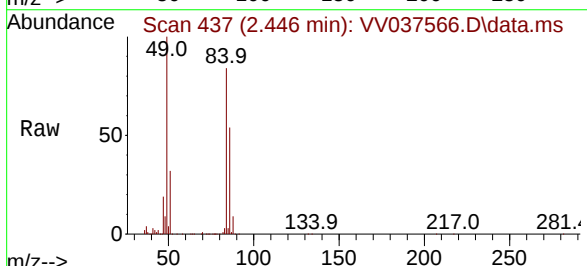
Tgt Ion: 84 Resp: 252128

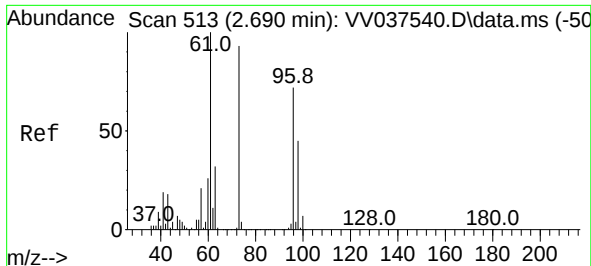
Ion Ratio Lower Upper

84 100

86 64.0 46.4 86.2

49 118.7 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 46.195 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

ClientSampleId :

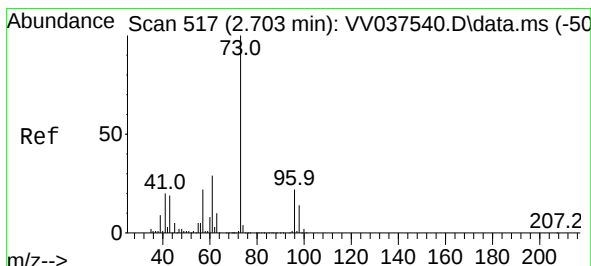
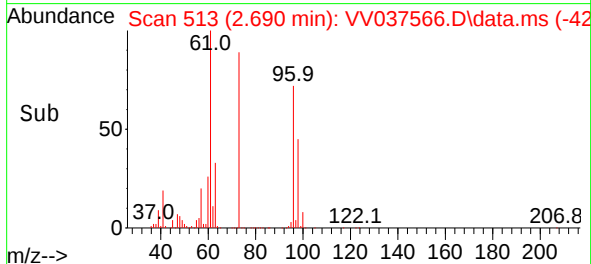
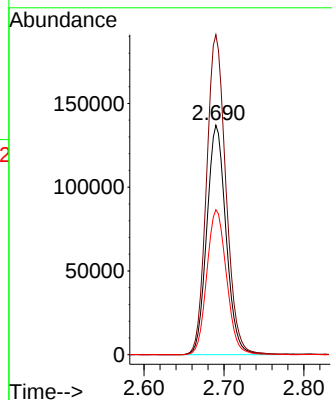
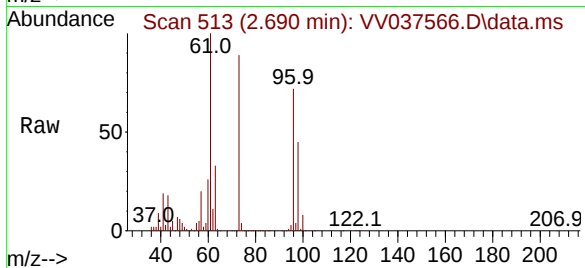
Tgt Ion: 96 Resp: 229484

Ion Ratio Lower Upper

96 100

61 139.4 97.3 180.7

98 63.1 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 50.766 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

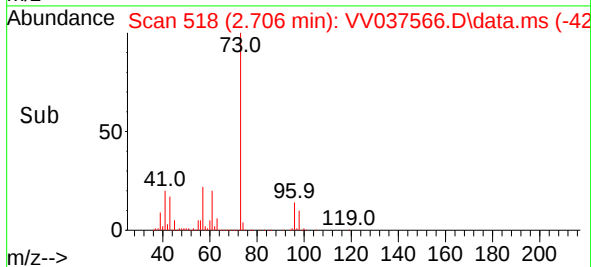
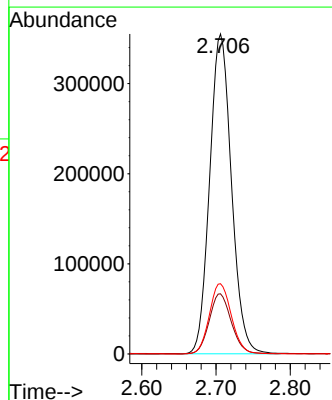
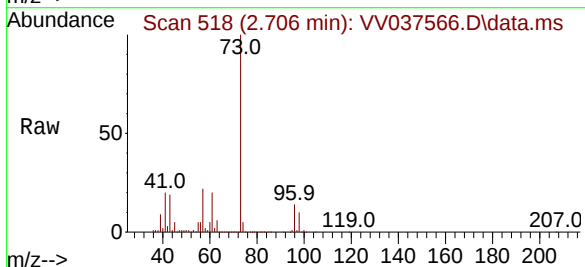
Tgt Ion: 73 Resp: 723536

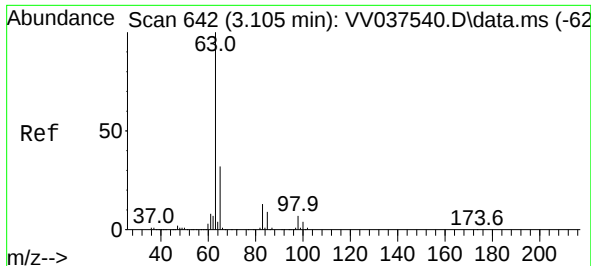
Ion Ratio Lower Upper

73 100

43 19.0 15.1 22.7

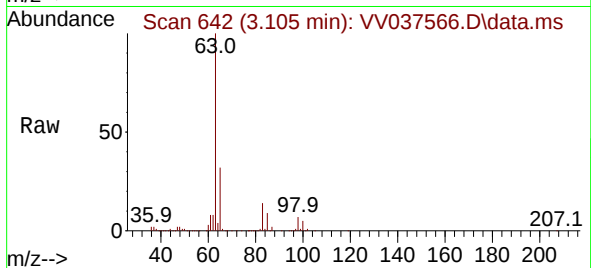
57 22.3 17.4 26.2



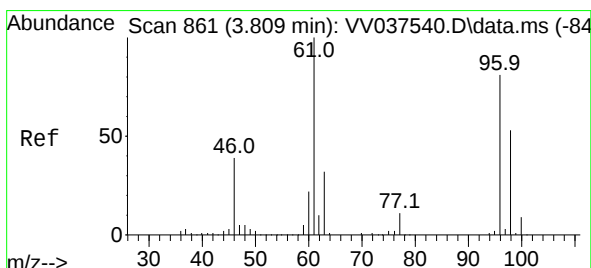
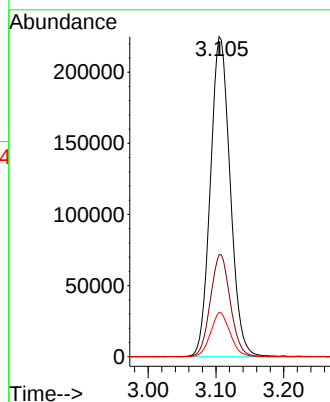
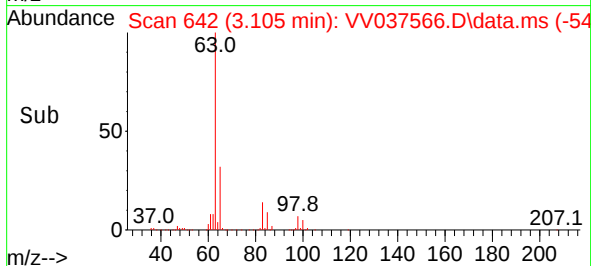


#19
1,1-Dichloroethane
Concen: 47.907 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

Instrument :
MSVOA_V
ClientSampleId :

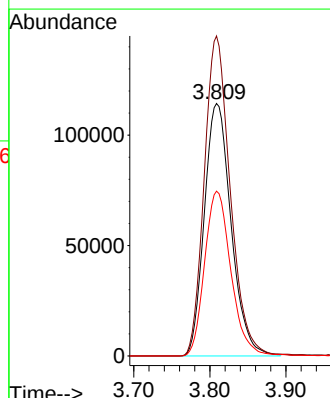
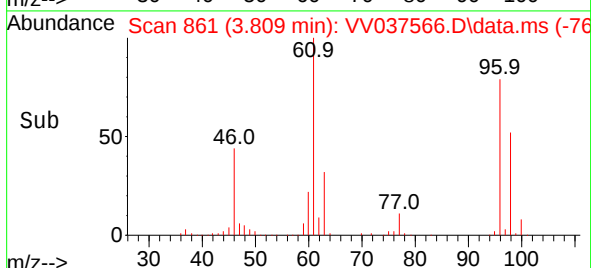
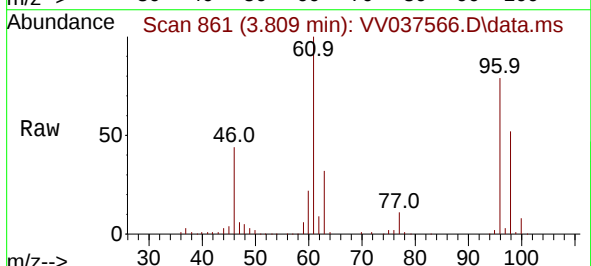


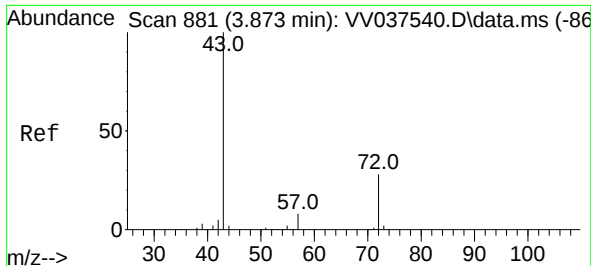
Tgt Ion: 63 Resp: 455974
Ion Ratio Lower Upper
63 100
65 31.8 22.4 41.6
83 13.9 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 50.350 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

Tgt Ion: 96 Resp: 279901
Ion Ratio Lower Upper
96 100
61 126.7 85.0 157.8
98 65.3 44.2 82.0

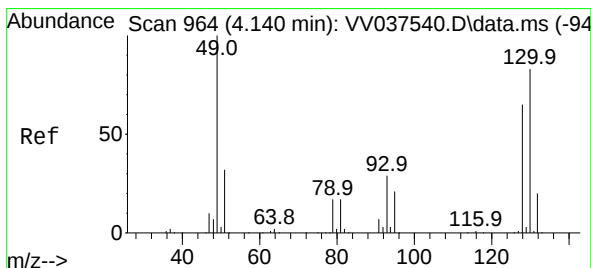
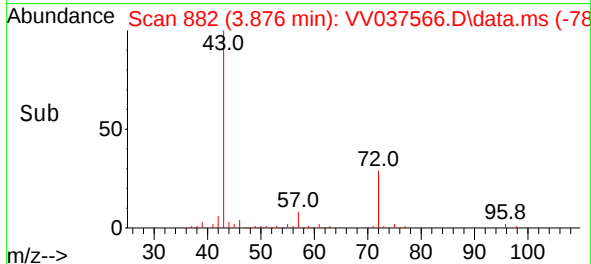
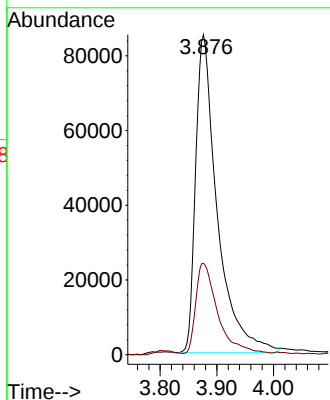
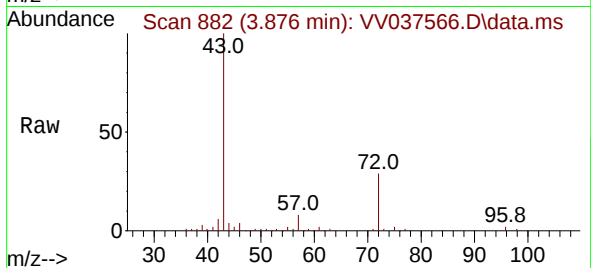




#22
2-Butanone
Concen: 94.493 ug/L
RT: 3.876 min Scan# 881
Delta R.T. 0.003 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

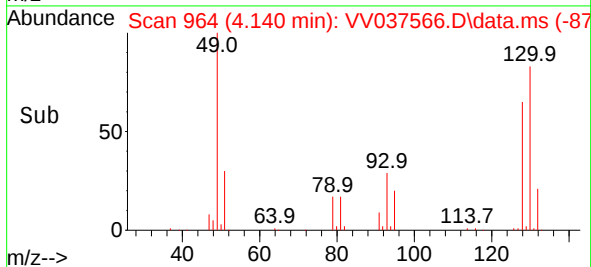
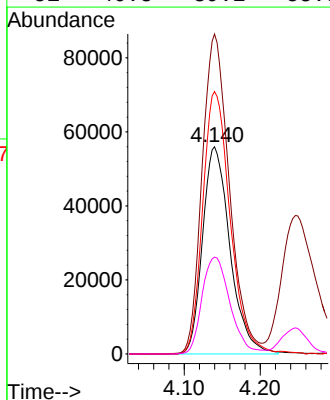
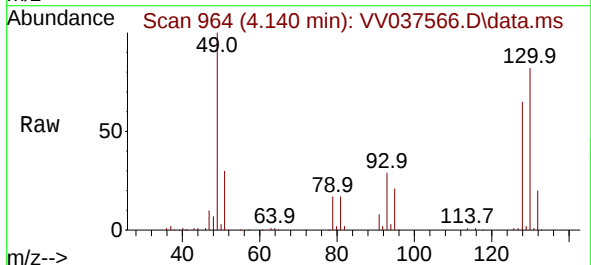
Instrument :
MSVOA_V
ClientSampleId :

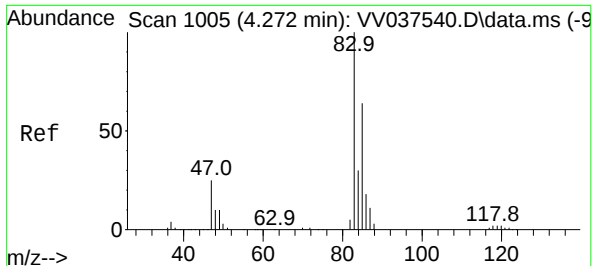
Tgt Ion: 43 Resp: 226115
Ion Ratio Lower Upper
43 100
72 28.4 14.3 42.9



#23
Bromochloromethane
Concen: 48.756 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

Tgt Ion:128 Resp: 140203
Ion Ratio Lower Upper
128 100
49 154.5 108.7 201.9
130 126.7 90.4 168.0
51 46.8 39.2 58.8





#25

Chloroform

Concen: 47.145 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

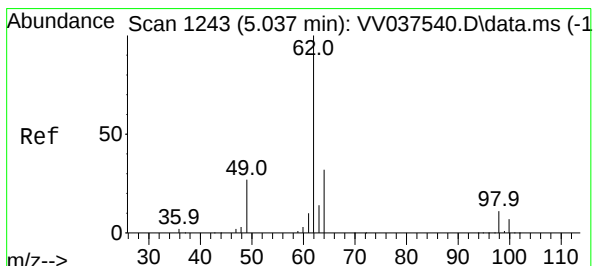
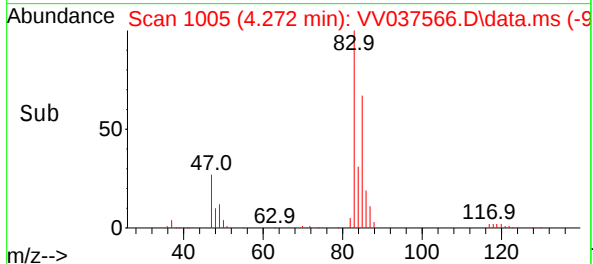
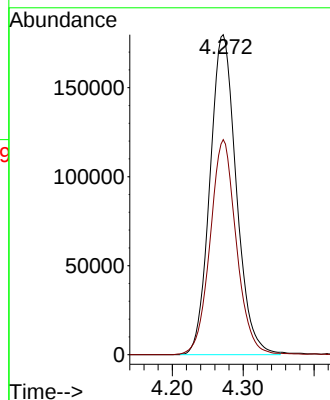
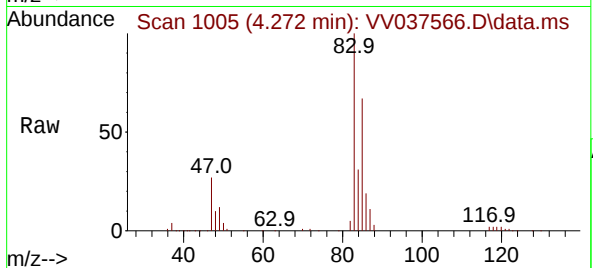
ClientSampleId :

Tgt Ion: 83 Resp: 464590

Ion Ratio Lower Upper

83 100

85 67.2 45.1 83.7



#27

1,2-Dichloroethane

Concen: 48.530 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV037566.D

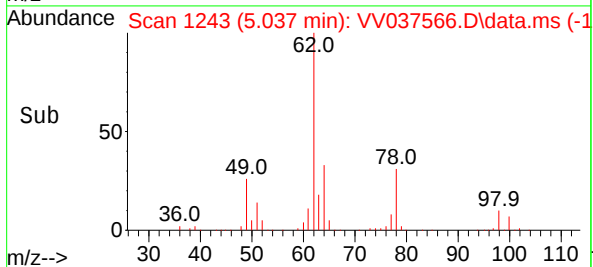
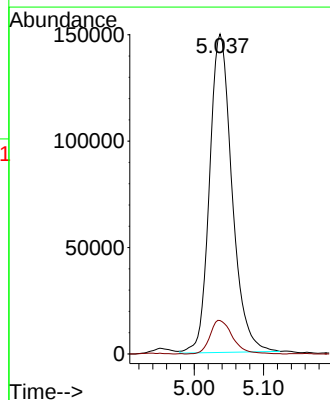
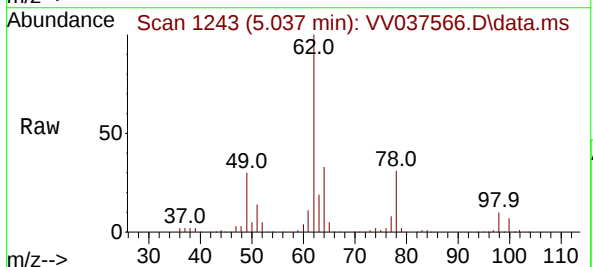
Acq: 26 Sep 2024 21:53

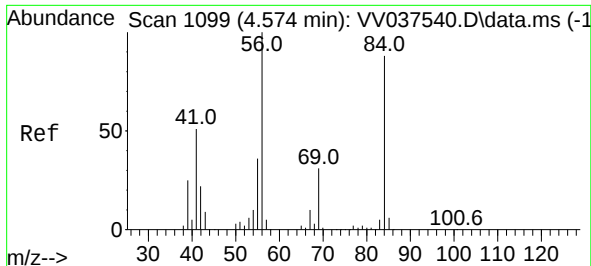
Tgt Ion: 62 Resp: 337614

Ion Ratio Lower Upper

62 100

98 10.5 8.4 12.6





#29

Cyclohexane

Concen: 46.105 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

ClientSampleId :

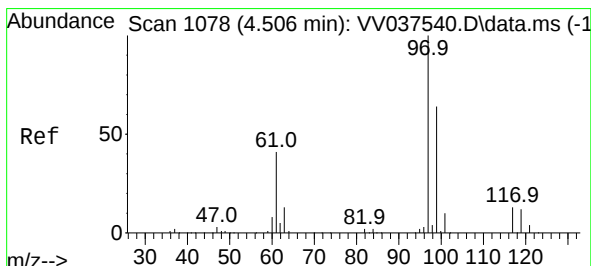
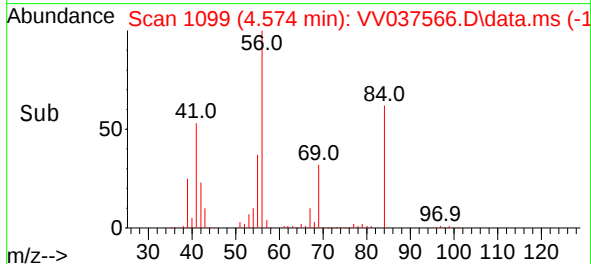
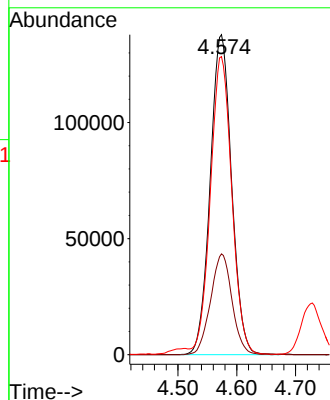
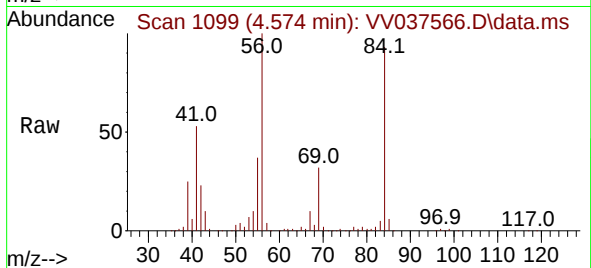
Tgt Ion: 56 Resp: 348111

Ion Ratio Lower Upper

56 100

69 31.6 24.7 37.1

84 92.8 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 48.535 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.003 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

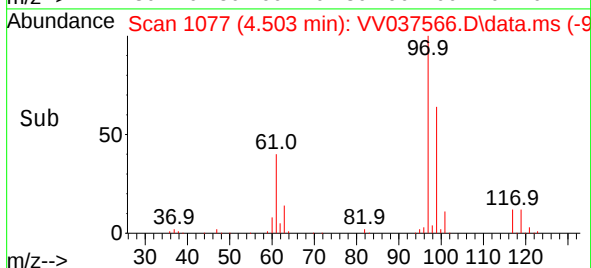
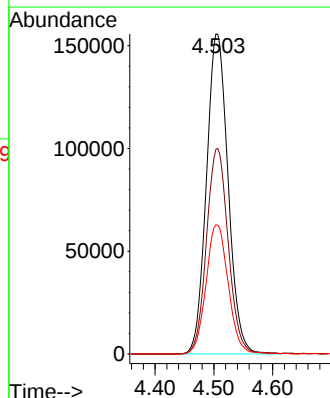
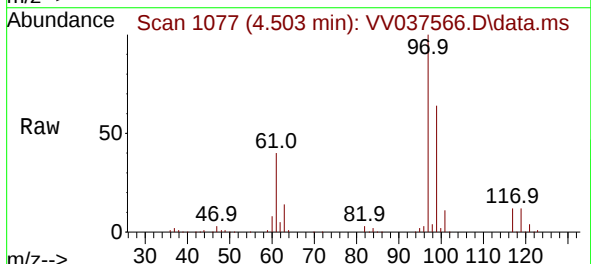
Tgt Ion: 97 Resp: 397517

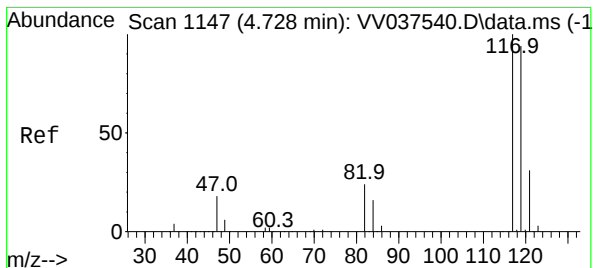
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 41.4 33.6 50.4





#31

Carbon tetrachloride

Concen: 47.271 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

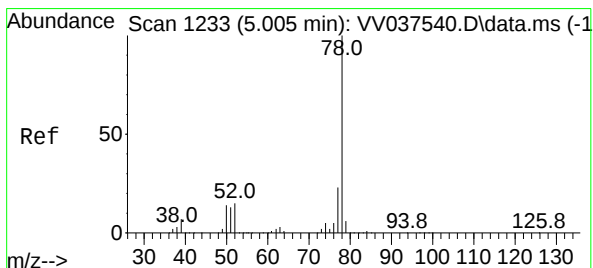
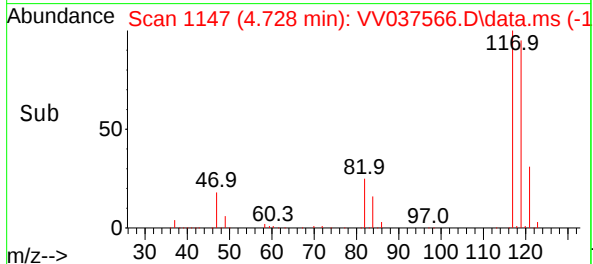
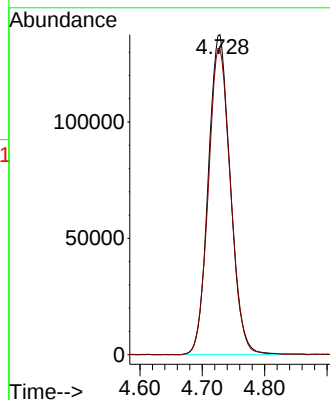
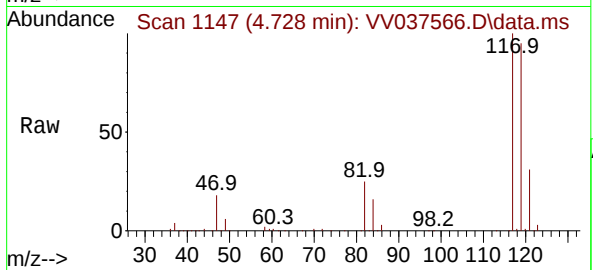
ClientSampleId :

Tgt Ion:117 Resp: 336609

Ion Ratio Lower Upper

117 100

119 96.8 76.9 115.3



#33

Benzene

Concen: 49.645 ug/L

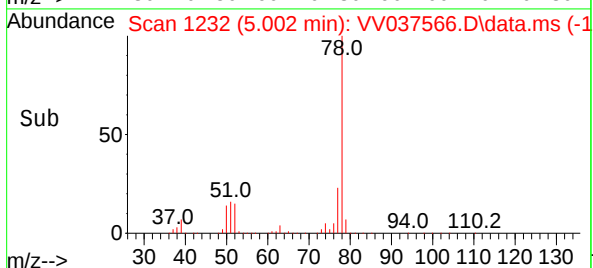
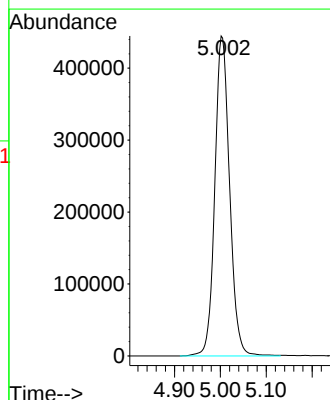
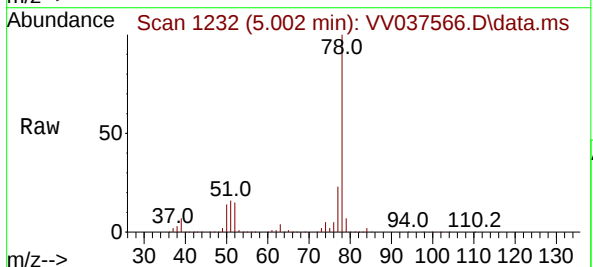
RT: 5.002 min Scan# 1232

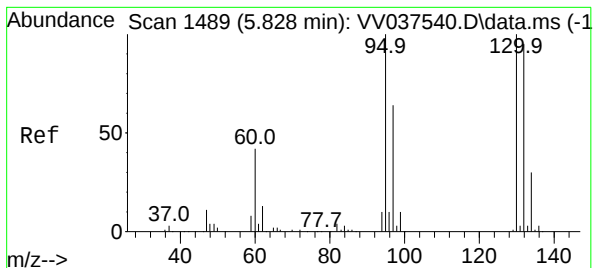
Delta R.T. -0.003 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Tgt Ion: 78 Resp: 995666





#34

Trichloroethene

Concen: 48.150 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 257173

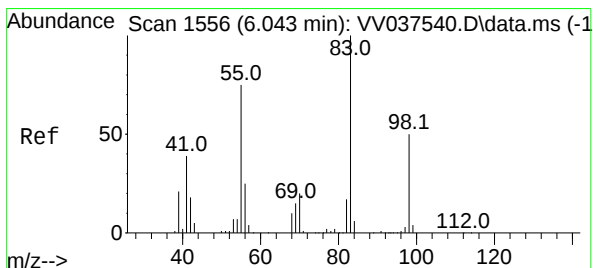
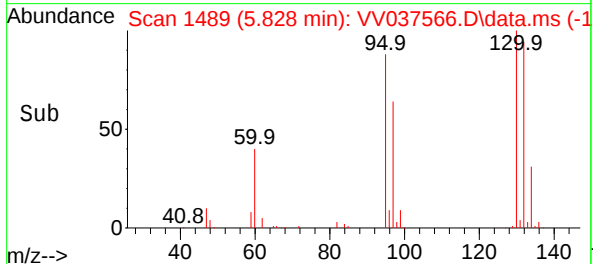
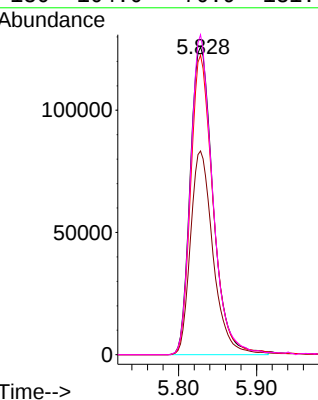
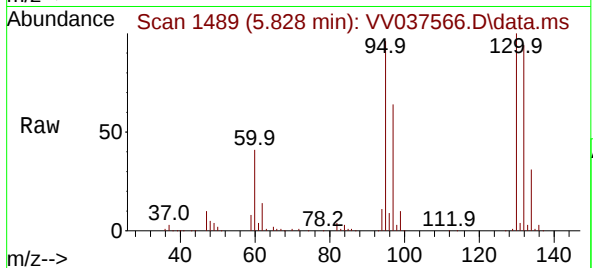
Ion Ratio Lower Upper

95 100

97 66.2 46.3 85.9

132 97.3 68.6 127.4

130 104.0 70.9 131.7



#35

Methylcyclohexane

Concen: 45.746 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

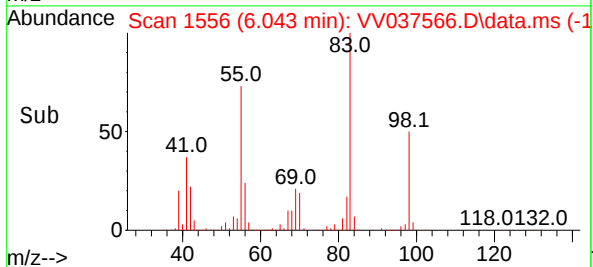
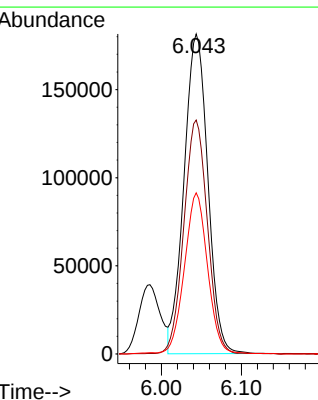
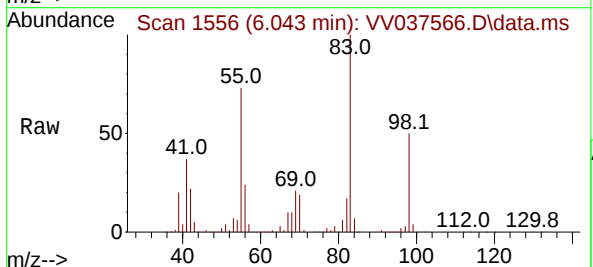
Tgt Ion: 83 Resp: 375873

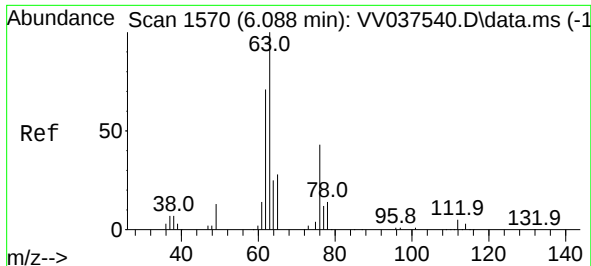
Ion Ratio Lower Upper

83 100

55 72.6 57.9 86.9

98 49.2 39.3 58.9

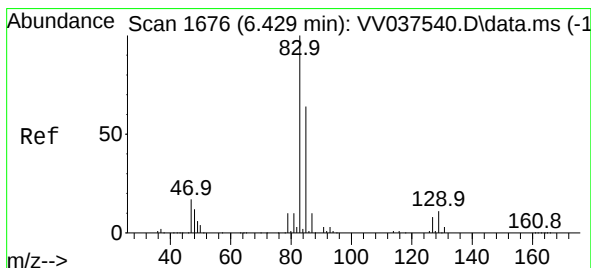
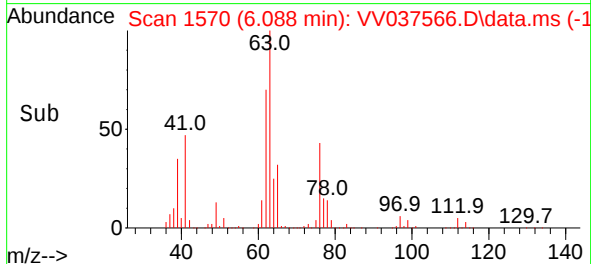
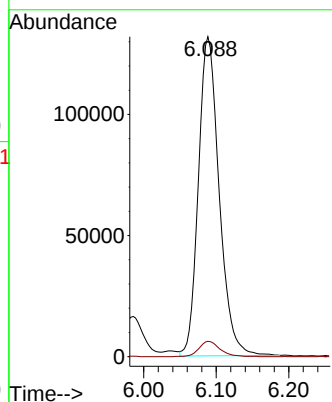
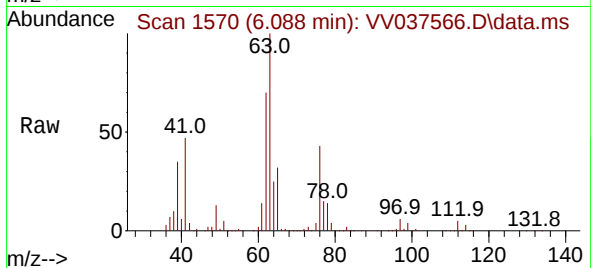




#37
1,2-Dichloropropane
Concen: 50.638 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

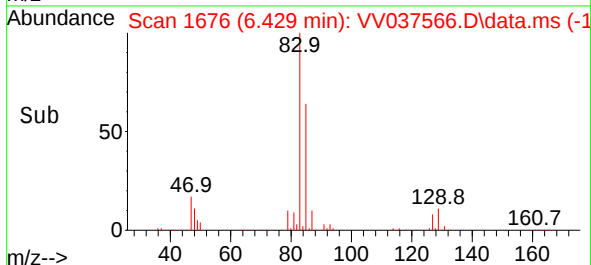
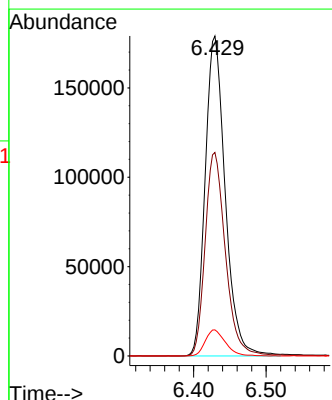
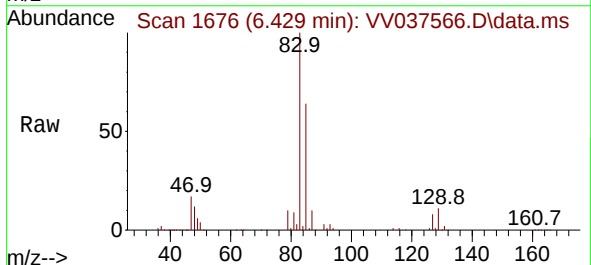
Instrument :
MSVOA_V
ClientSampleId :

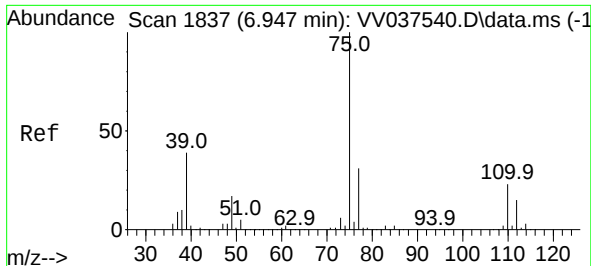
Tgt Ion: 63 Resp: 262251
Ion Ratio Lower Upper
63 100
112 4.9 3.5 5.3



#38
Bromodichloromethane
Concen: 49.732 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

Tgt Ion: 83 Resp: 344301
Ion Ratio Lower Upper
83 100
85 63.6 45.7 84.9
127 8.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 49.907 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. 0.003 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

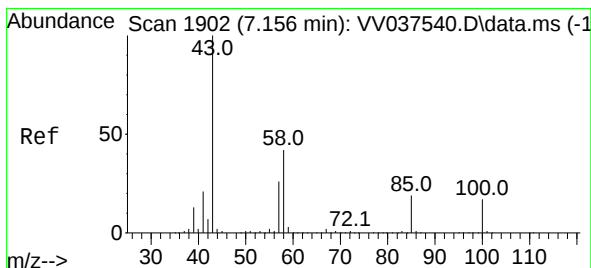
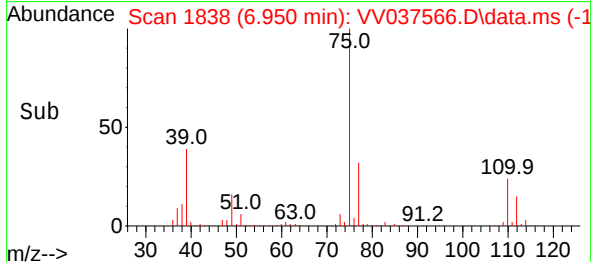
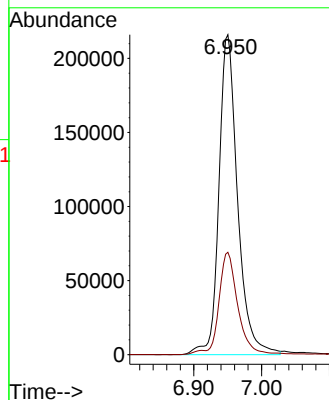
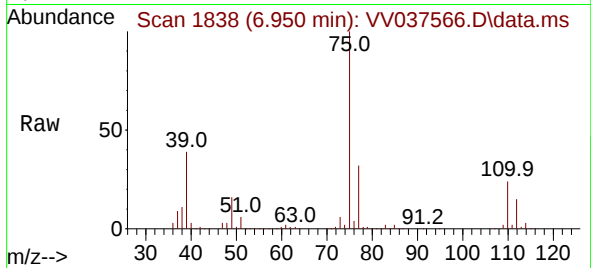
ClientSampleId :

Tgt Ion: 75 Resp: 412582

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 115.260 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

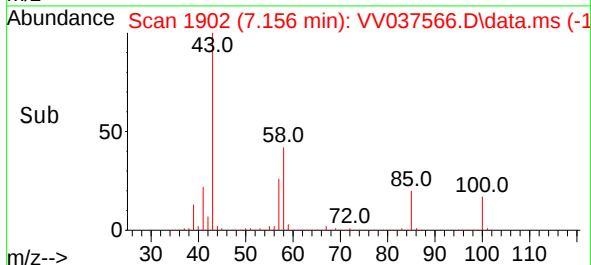
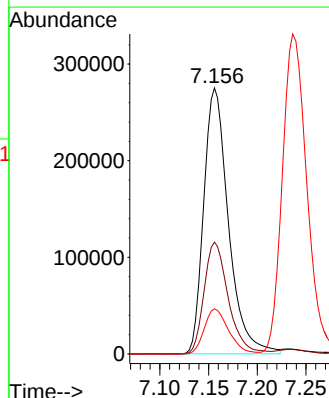
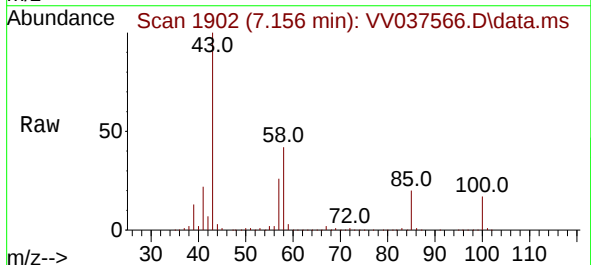
Tgt Ion: 43 Resp: 486022

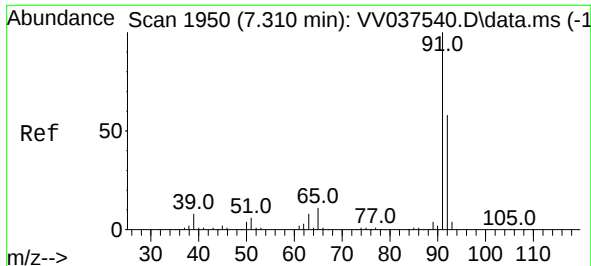
Ion Ratio Lower Upper

43 100

58 41.2 33.0 49.4

100 16.7 13.7 20.5





#42

Toluene

Concen: 49.772 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

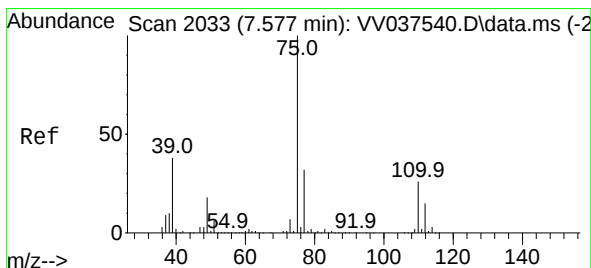
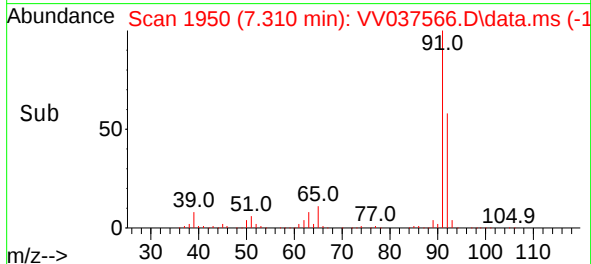
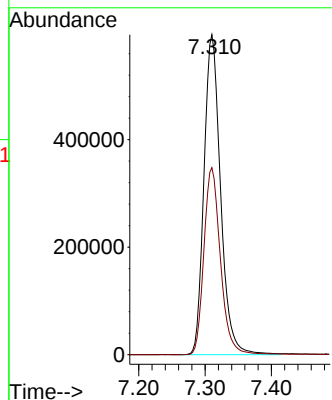
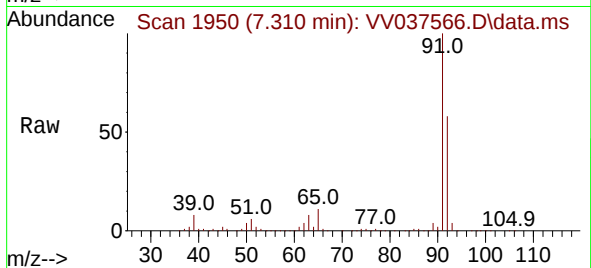
ClientSampleId :

Tgt Ion: 91 Resp: 1034825

Ion Ratio Lower Upper

91 100

92 58.5 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 50.500 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV037566.D

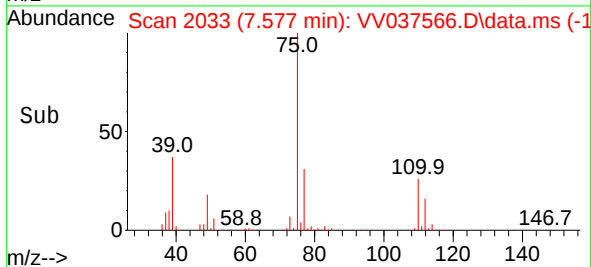
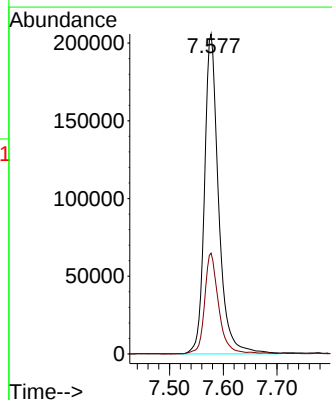
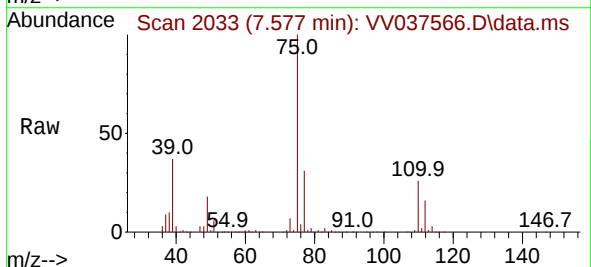
Acq: 26 Sep 2024 21:53

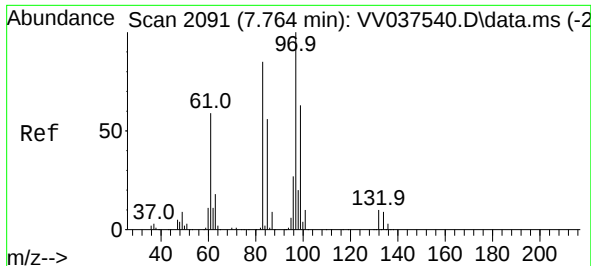
Tgt Ion: 75 Resp: 375865

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 51.414 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 255671

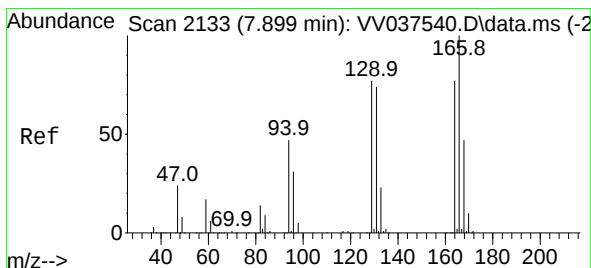
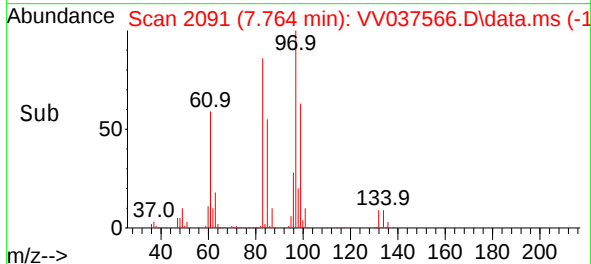
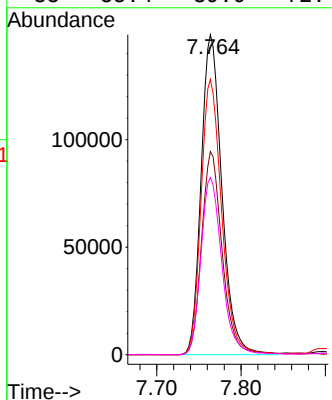
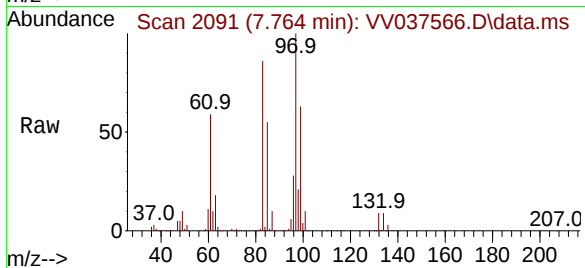
Ion Ratio Lower Upper

97 100

99 63.4 44.1 81.9

83 86.0 59.3 110.1

85 55.4 39.0 72.4



#46

Tetrachloroethene

Concen: 45.967 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Tgt Ion:164 Resp: 187710

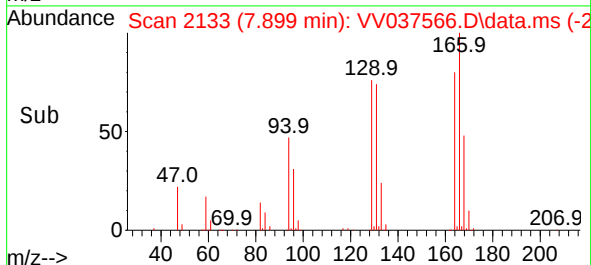
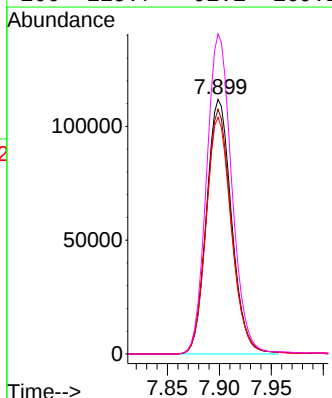
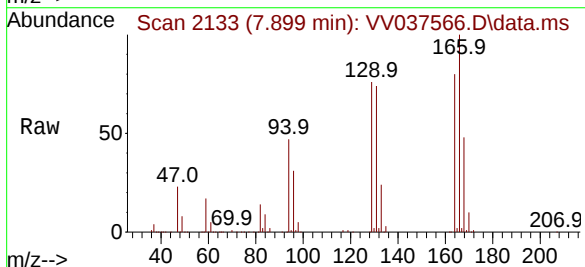
Ion Ratio Lower Upper

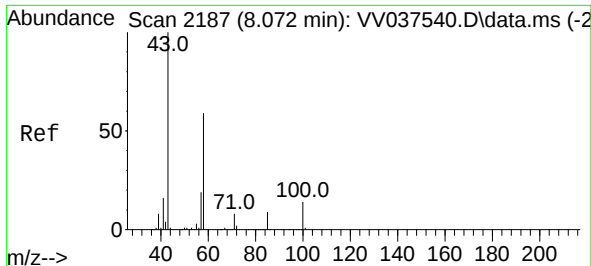
164 100

129 96.1 68.2 126.6

131 93.0 66.1 122.8

166 125.7 91.1 169.1

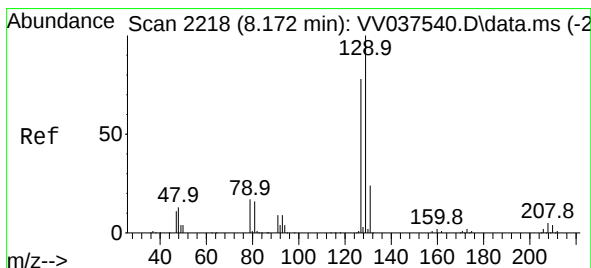
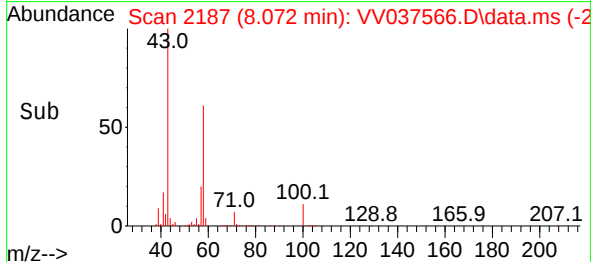
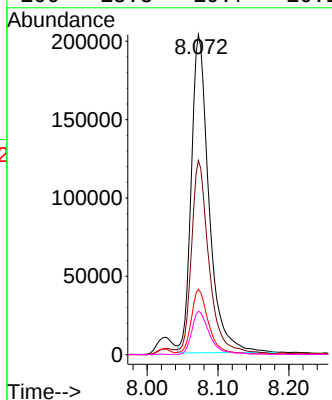
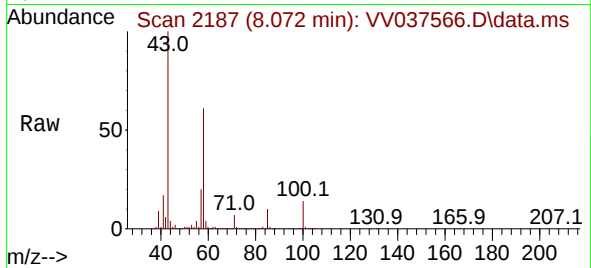




#48
2-Hexanone
Concen: 107.395 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

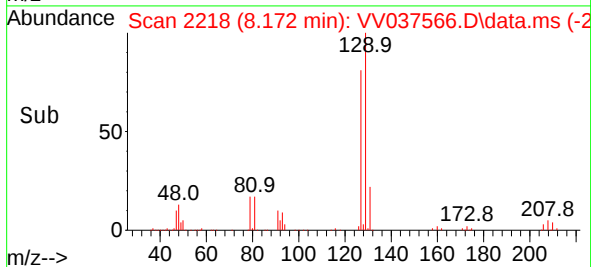
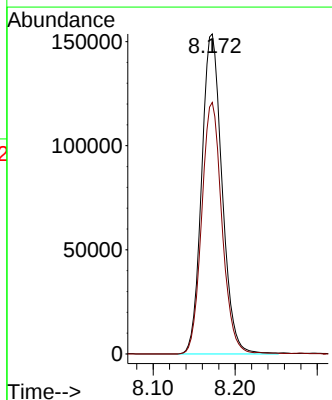
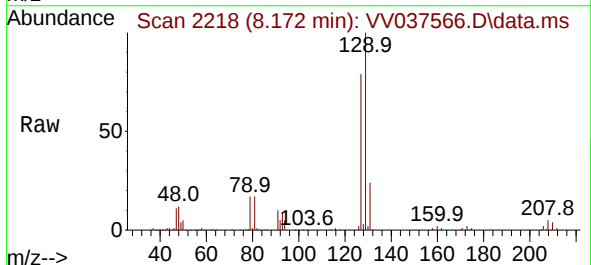
Instrument :
MSVOA_V
ClientSampleId :

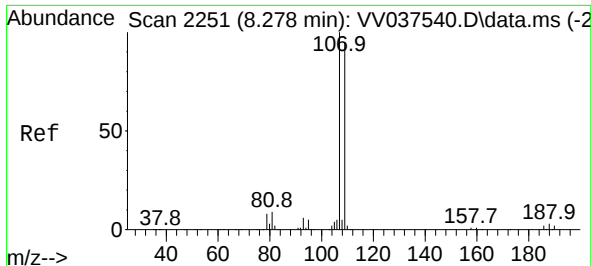
Tgt Ion: 43 Resp: 352131
Ion Ratio Lower Upper
43 100
58 58.1 46.5 69.7
57 19.8 15.1 22.7
100 13.3 10.7 16.1



#49
Dibromochloromethane
Concen: 50.466 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

Tgt Ion: 129 Resp: 265608
Ion Ratio Lower Upper
129 100
127 78.6 54.9 101.9

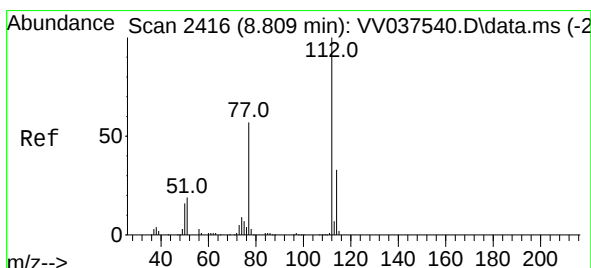
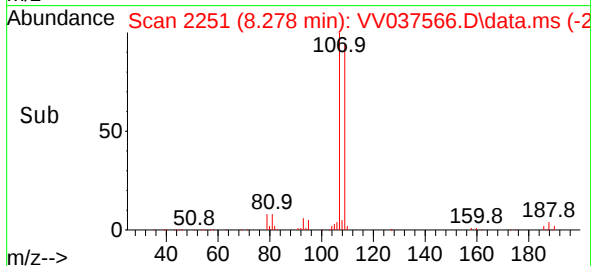
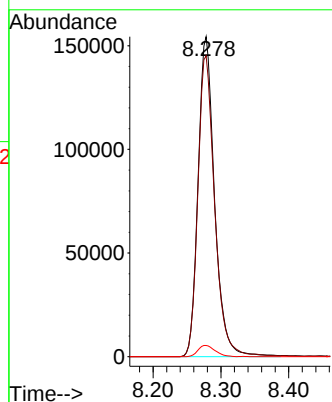
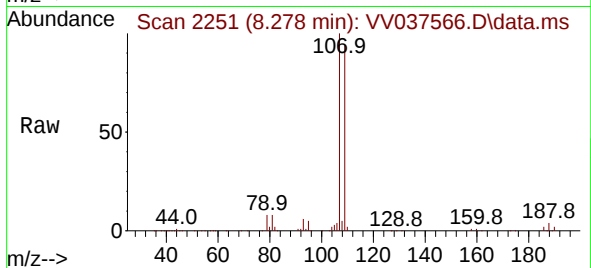




#50
1,2-Dibromoethane
Concen: 50.788 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

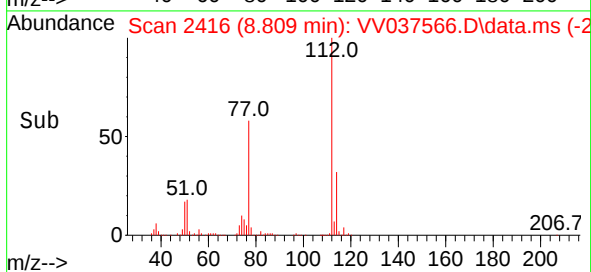
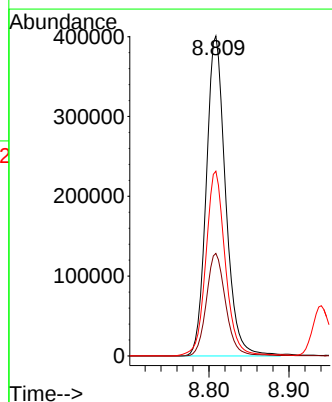
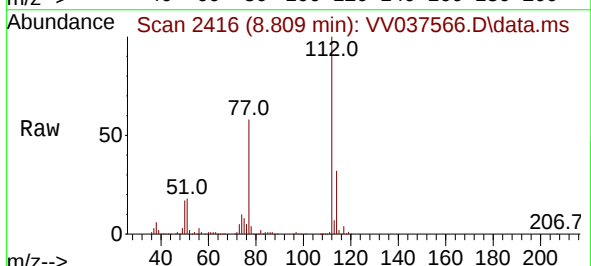
Instrument :
MSVOA_V
ClientSampleId :

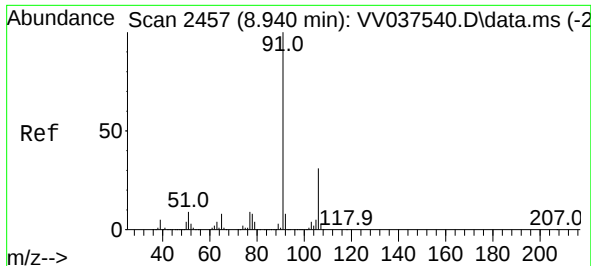
Tgt Ion:107 Resp: 261071
Ion Ratio Lower Upper
107 100
109 94.1 65.7 121.9
188 3.5 2.8 4.2



#51
Chlorobenzene
Concen: 47.590 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

Tgt Ion:112 Resp: 674123
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.7
77 57.8 45.8 68.8





#52

Ethylbenzene

Concen: 48.192 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

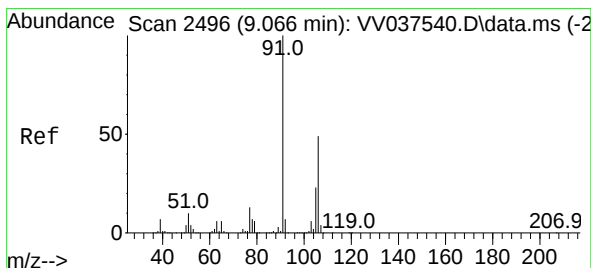
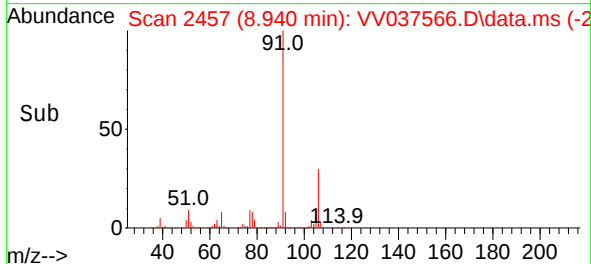
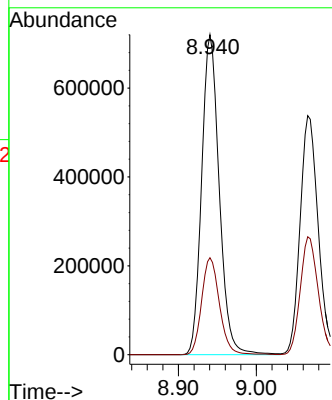
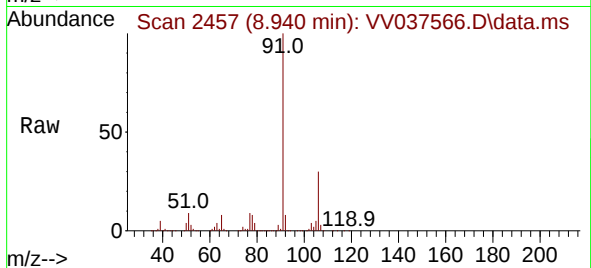
ClientSampleId :

Tgt Ion: 91 Resp: 1127878

Ion Ratio Lower Upper

91 100

106 30.3 21.9 40.7



#53

m,p-Xylene

Concen: 49.257 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.000 min

Lab File: VV037566.D

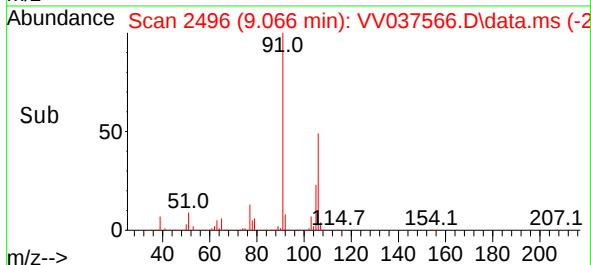
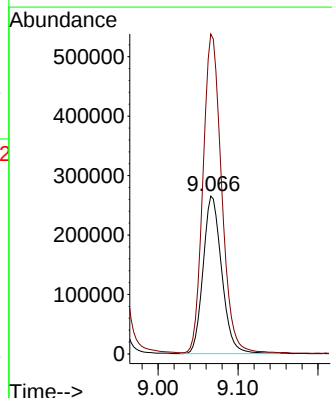
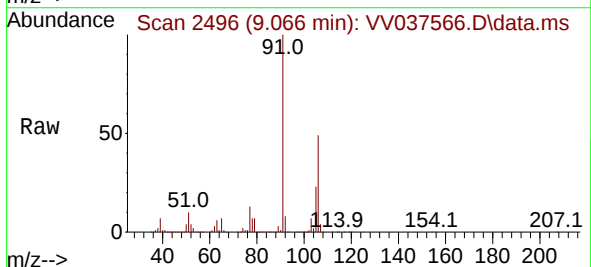
Acq: 26 Sep 2024 21:53

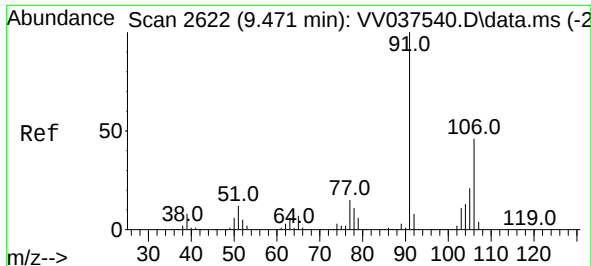
Tgt Ion:106 Resp: 429040

Ion Ratio Lower Upper

106 100

91 202.7 142.0 263.6

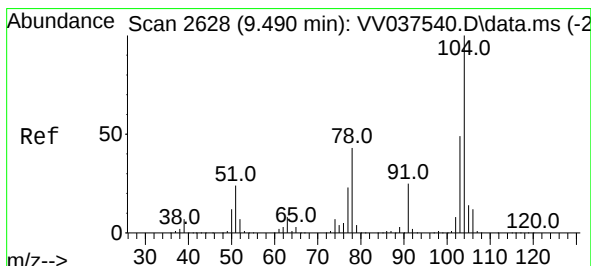
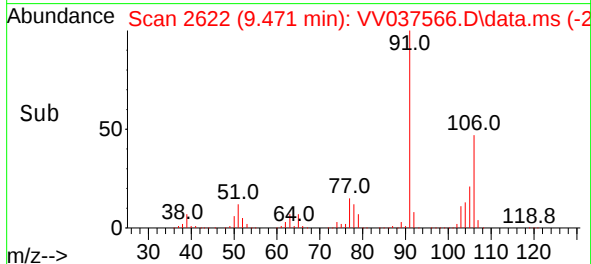
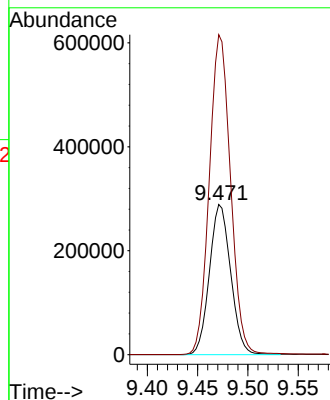
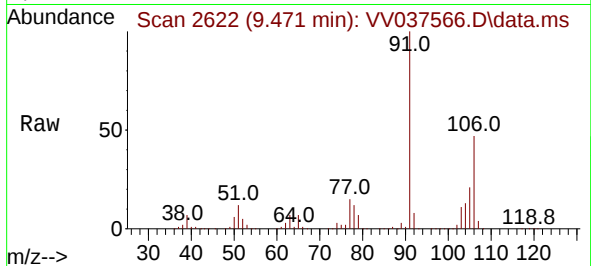




#54
o-Xylene
Concen: 49.983 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

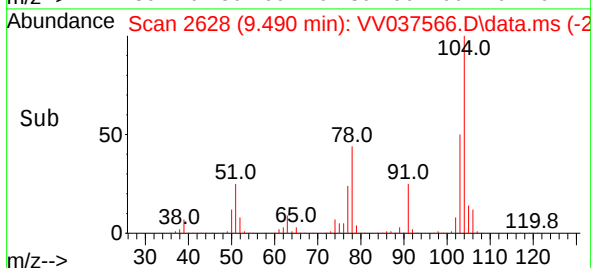
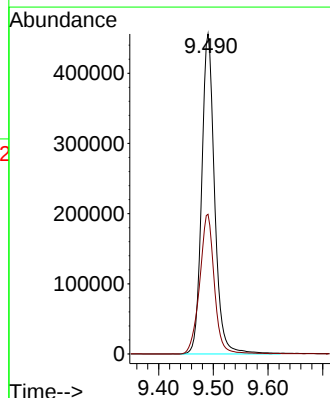
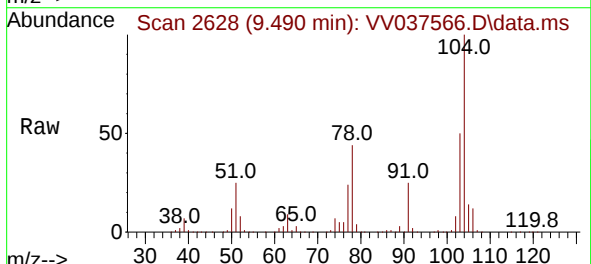
Instrument :
MSVOA_V
ClientSampleId :

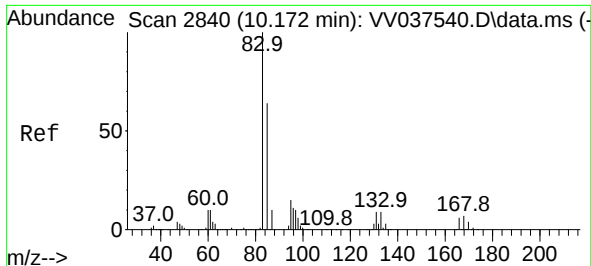
Tgt Ion:106 Resp: 425043
Ion Ratio Lower Upper
106 100
91 213.0 153.9 285.9



#55
Styrene
Concen: 50.712 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

Tgt Ion:104 Resp: 750730
Ion Ratio Lower Upper
104 100
78 43.6 30.0 55.6

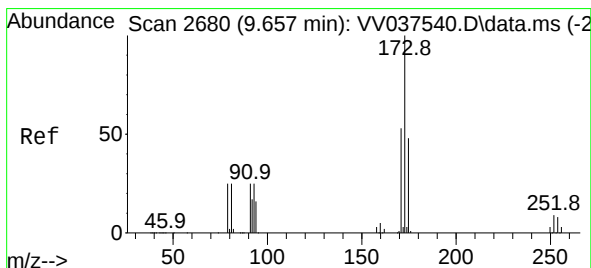
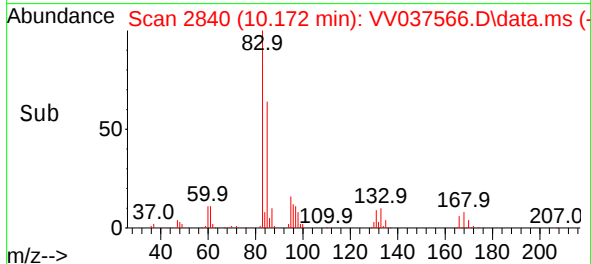
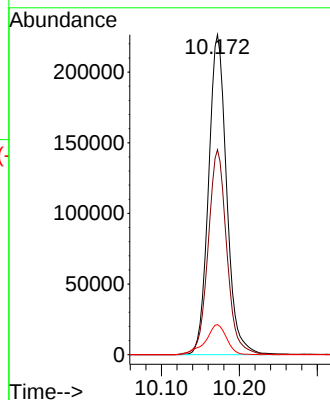
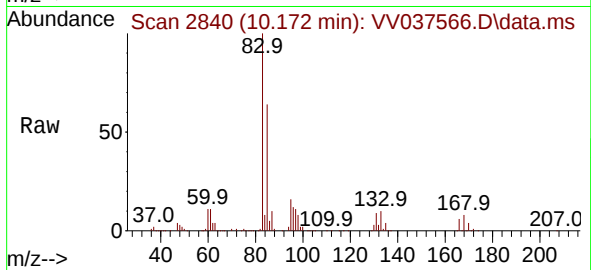




#57
1,1,2,2-Tetrachloroethane
Concen: 52.743 ug/L
RT: 10.172 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

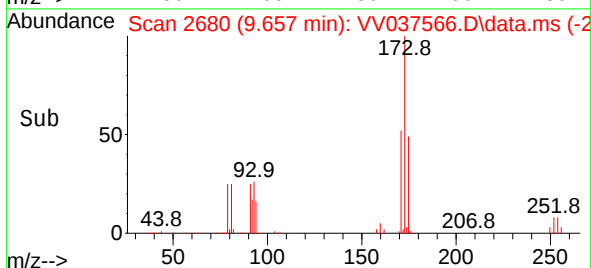
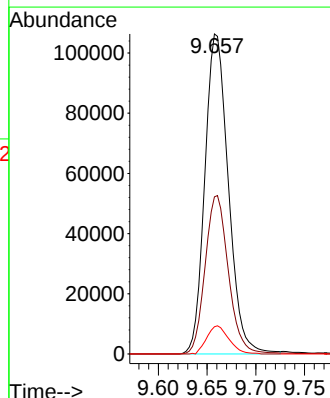
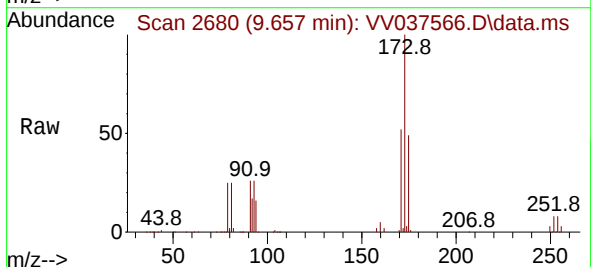
Instrument :
MSVOA_V
ClientSampleId :

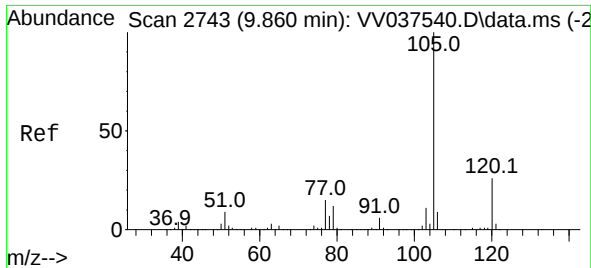
Tgt Ion: 83 Resp: 365677
Ion Ratio Lower Upper
83 100
85 64.1 45.9 85.3
131 9.4 7.9 11.9



#59
Bromoform
Concen: 52.031 ug/L
RT: 9.657 min Scan# 2680
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

Tgt Ion: 173 Resp: 178428
Ion Ratio Lower Upper
173 100
175 49.1 40.0 60.0
254 8.3 6.5 9.7

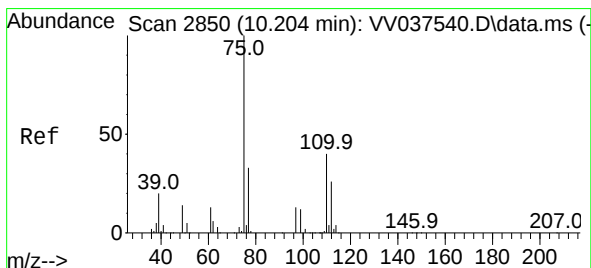
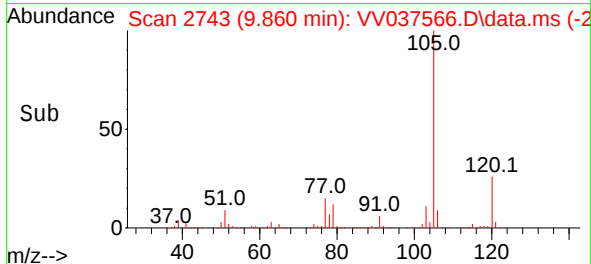
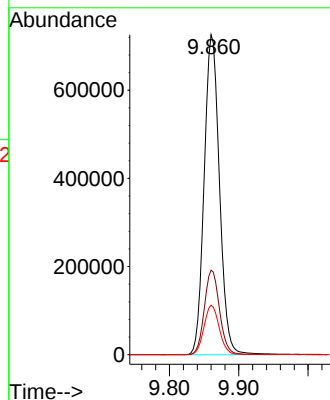
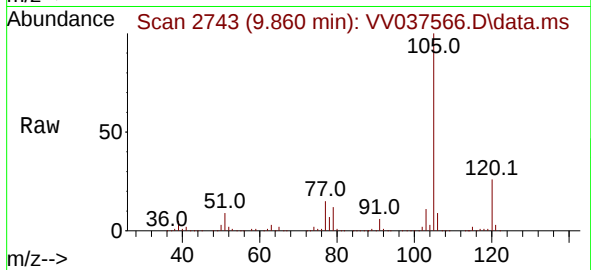




#60
Isopropylbenzene
Concen: 48.676 ug/L
RT: 9.860 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

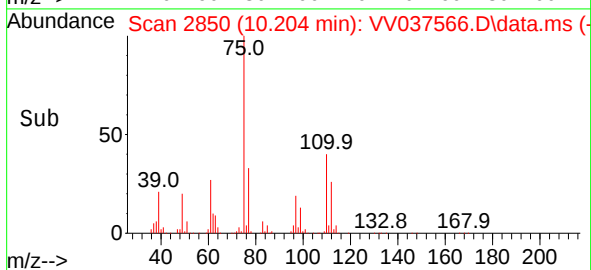
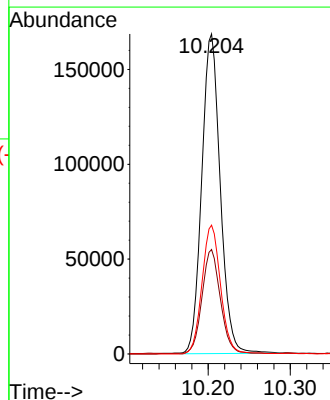
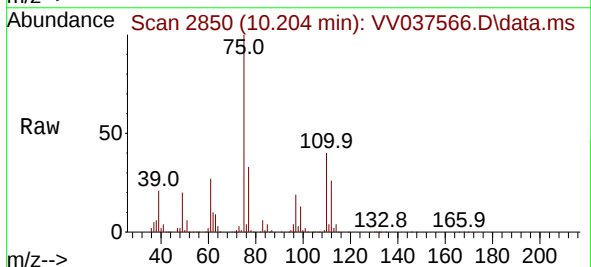
Instrument :
MSVOA_V
ClientSampleId :

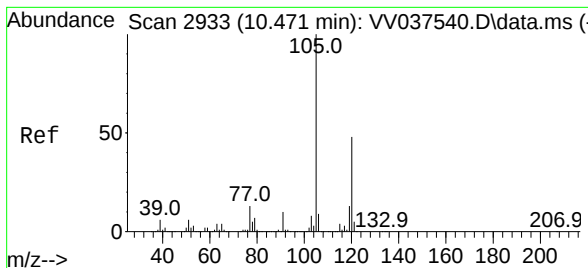
Tgt Ion:105 Resp: 1110367
Ion Ratio Lower Upper
105 100
120 26.2 20.7 31.1
77 15.3 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 52.853 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

Tgt Ion: 75 Resp: 263877
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
110 40.5 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 49.706 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

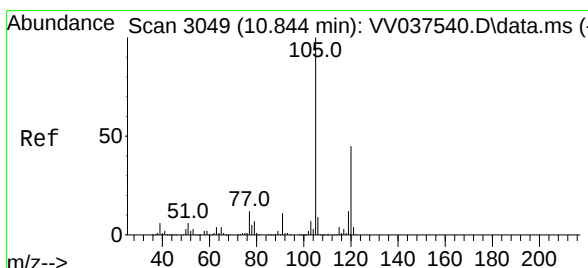
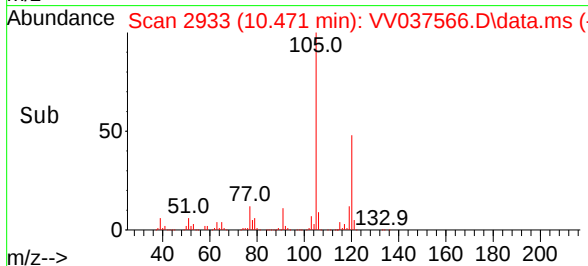
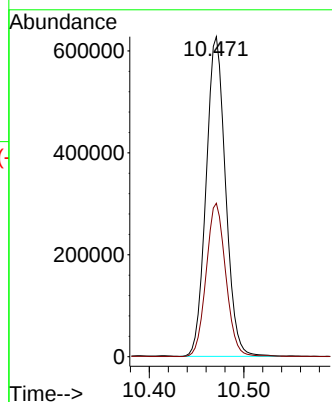
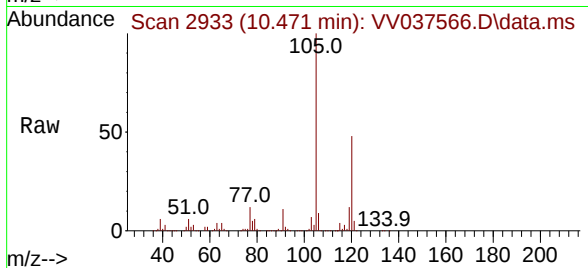
ClientSampleId :

Tgt Ion:105 Resp: 896427

Ion Ratio Lower Upper

105 100

120 48.4 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 50.762 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV037566.D

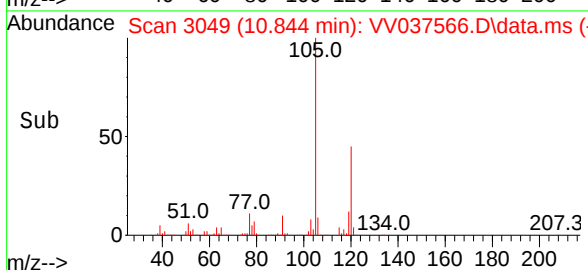
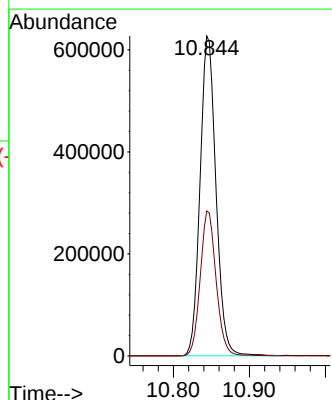
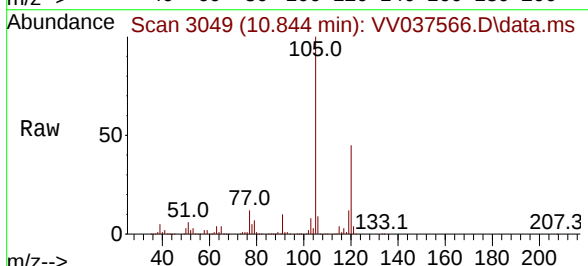
Acq: 26 Sep 2024 21:53

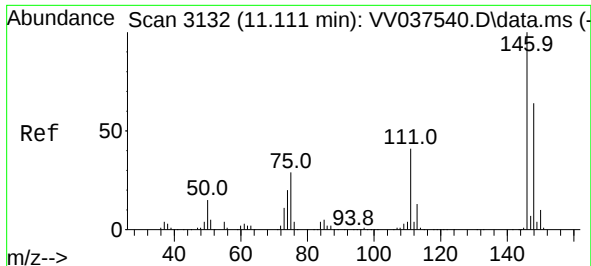
Tgt Ion:105 Resp: 910879

Ion Ratio Lower Upper

105 100

120 45.3 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 48.005 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

ClientSampleId :

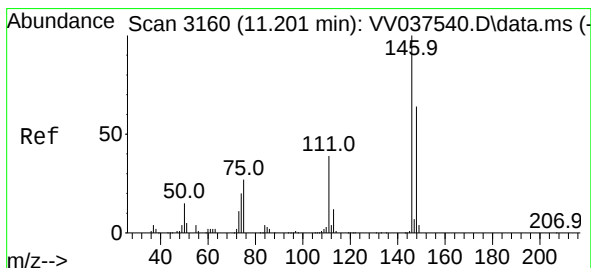
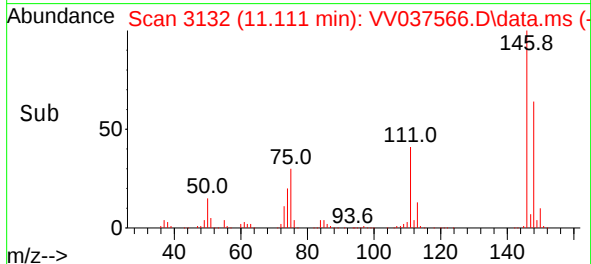
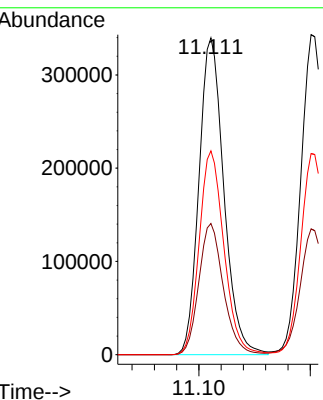
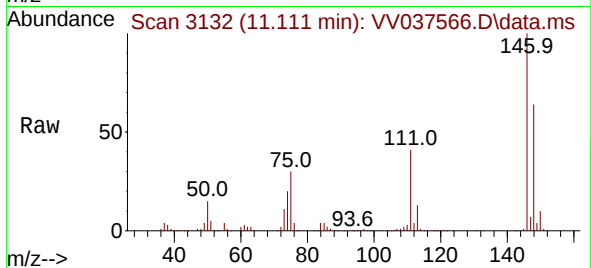
Tgt Ion:146 Resp: 527081

Ion Ratio Lower Upper

146 100

111 41.4 28.3 52.5

148 64.3 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 47.108 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

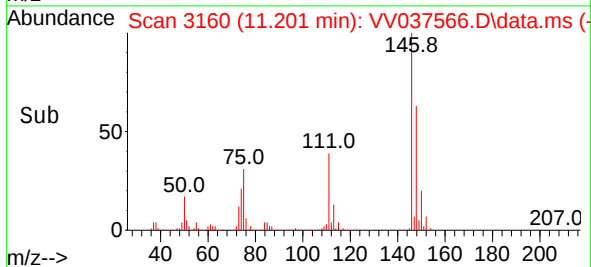
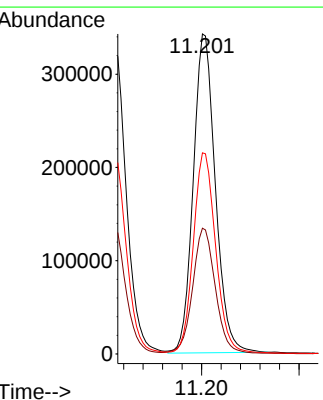
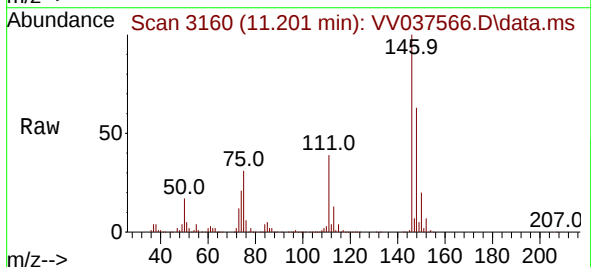
Tgt Ion:146 Resp: 538587

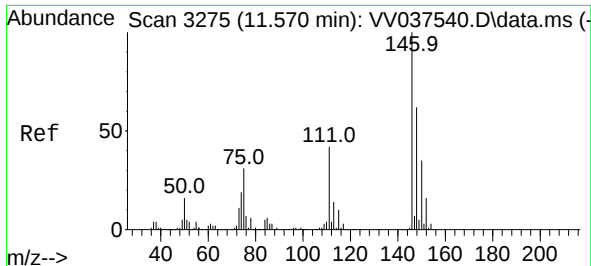
Ion Ratio Lower Upper

146 100

111 39.3 27.6 51.4

148 62.9 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 48.852 ug/L

RT: 11.571 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

ClientSampleId :

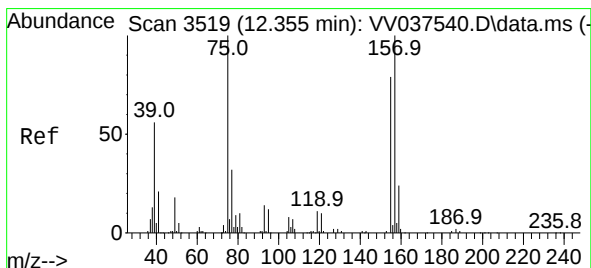
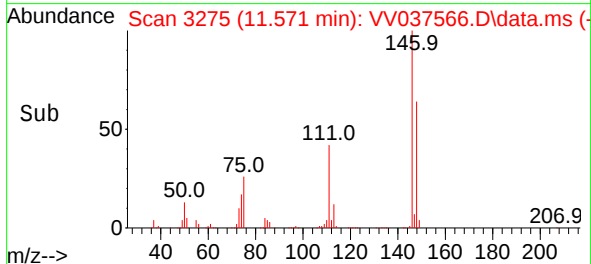
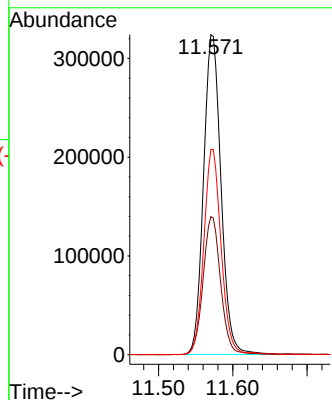
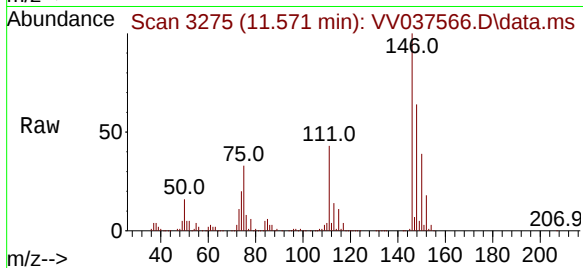
Tgt Ion:146 Resp: 530245

Ion Ratio Lower Upper

146 100

111 43.2 34.2 51.2

148 64.2 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 55.700 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.003 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

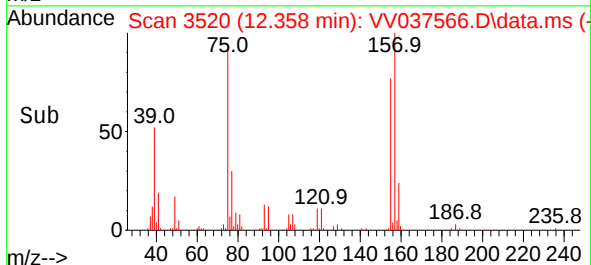
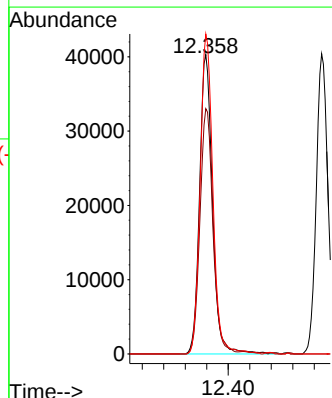
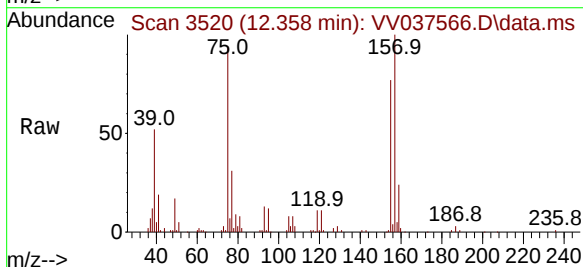
Tgt Ion: 75 Resp: 67505

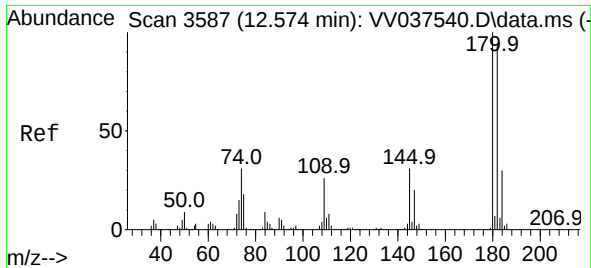
Ion Ratio Lower Upper

75 100

155 82.0 66.2 99.4

157 106.9 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 46.115 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. 0.000 min

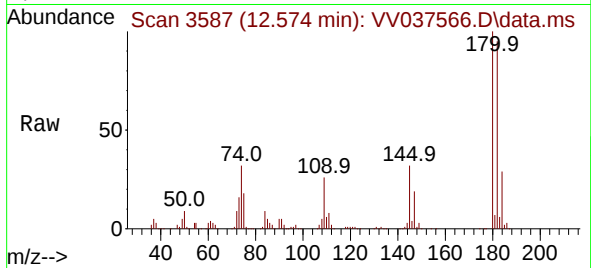
Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 348191

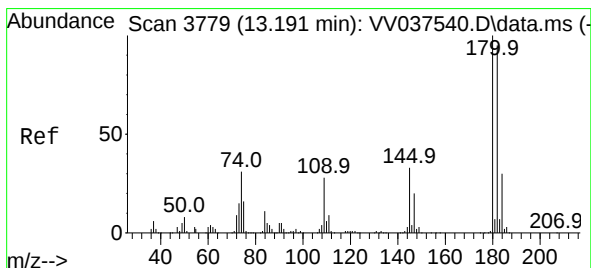
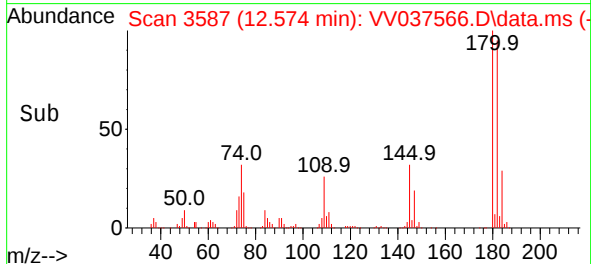
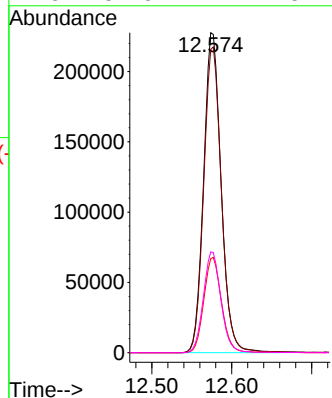
Ion Ratio Lower Upper

180 100

182 95.8 75.6 113.4

184 30.0 23.8 35.6

145 31.5 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 47.614 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV037566.D

Acq: 26 Sep 2024 21:53

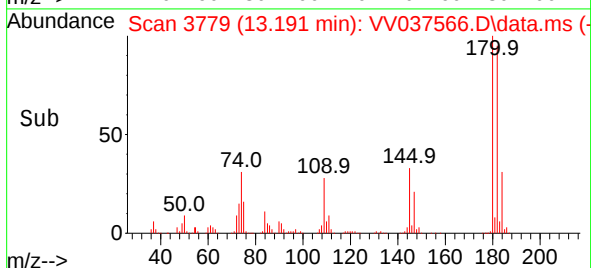
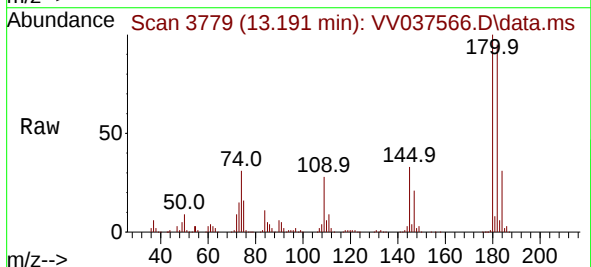
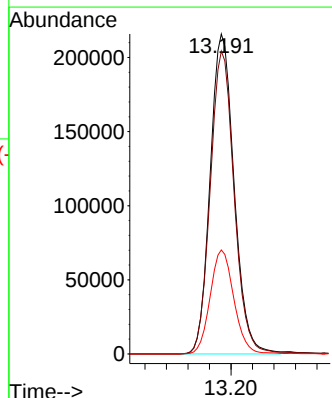
Tgt Ion:180 Resp: 333555

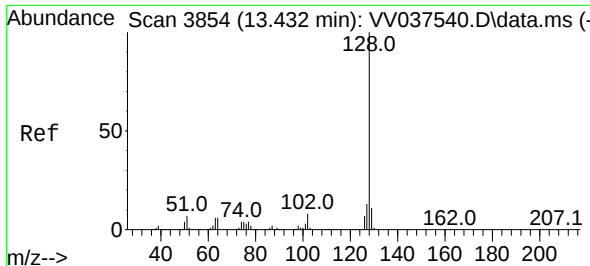
Ion Ratio Lower Upper

180 100

182 94.4 75.9 113.9

145 32.2 25.4 38.2

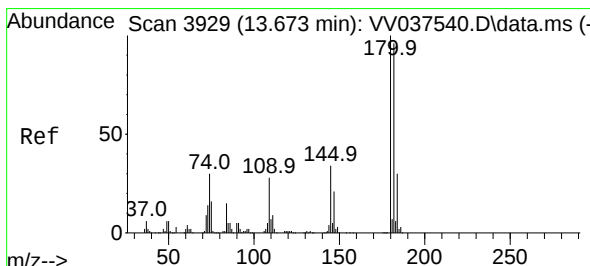
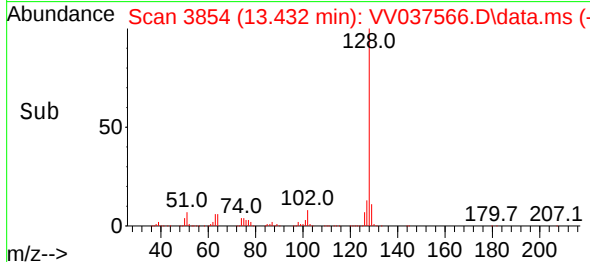
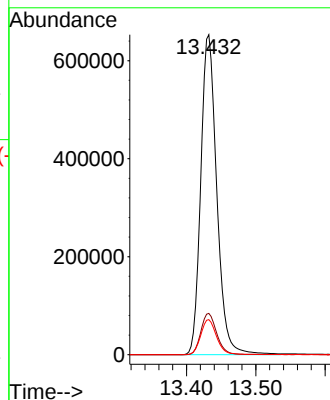
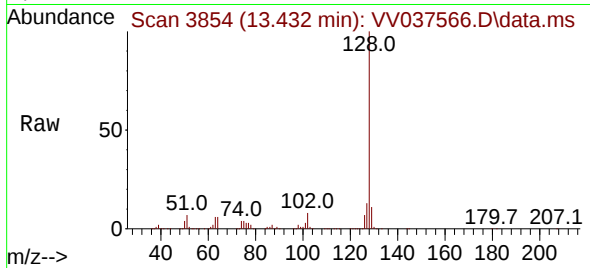




#71
Naphthalene
Concen: 57.308 ug/L
RT: 13.432 min Scan# 3854
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 1048895
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 50.306 ug/L
RT: 13.673 min Scan# 3929
Delta R.T. 0.000 min
Lab File: VV037566.D
Acq: 26 Sep 2024 21:53

Tgt Ion:180 Resp: 348018
Ion Ratio Lower Upper
180 100
182 94.0 75.8 113.8
145 34.0 26.2 39.4

