

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090524\
 Data File : VV037207.D
 Acq On : 05 Sep 2024 10:24
 Operator : SY/MD
 Sample : P3391-04
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 06 01:37:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 06 01:31:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	576840	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	558182	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	263359	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	170941	16.544	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.160%
7) Chloroethane-d5	1.532	69	141070	17.588	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.360%
11) 1,1-Dichloroethene-d2	2.059	65	79412	17.086	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.360%
21) 2-Butanone-d5	3.838	46	74264	33.234	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.460%
24) Chloroform-d	4.246	84	325321	18.328	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.320%
26) 1,2-Dichloroethane-d4	4.940	65	176282	19.580	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.320%
32) Benzene-d6	4.953	84	662658	18.788	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.160%
36) 1,2-Dichloropropane-d6	5.985	67	210629	19.276	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	77.120%
41) Toluene-d8	7.239	98	585820	18.366	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.480%
43) trans-1,3-Dichloroprop...	7.551	79	73021	17.361	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.440%
47) 2-Hexanone-d5	8.034	63	46843	31.448	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.900%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	155453	18.508	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.040%
66) 1,2-Dichlorobenzene-d4	11.554	152	205376	19.978	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	8030	1.011	ug/L	99
3) Chloromethane	1.217	50	11038	1.163	ug/L	99
5) Vinyl chloride	1.285	62	10635	1.139	ug/L #	65
6) Bromomethane	1.490	94	6568	1.216	ug/L	99
8) Chloroethane	1.551	64	5542	0.965	ug/L	92
9) Trichlorofluoromethane	1.715	101	13624	1.069	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	10440	1.312	ug/L	87
12) 1,1-Dichloroethene	2.066	96	9321	1.286	ug/L #	1
13) Acetone	2.153	43	7637	2.731	ug/L	99
14) Carbon disulfide	2.240	76	24039	1.010	ug/L	98
15) Methyl Acetate	2.384	43	4114	1.041	ug/L	94
16) Methylene chloride	2.445	84	16256	1.538	ug/L	92
17) trans-1,2-Dichloroethene	2.693	96	8223	1.040	ug/L	92
18) Methyl tert-butyl Ether	2.709	73	18371	0.992	ug/L #	88
19) 1,1-Dichloroethane	3.108	63	15051	0.994	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	8500	1.018	ug/L	93
22) 2-Butanone	3.931	43	601	0.230	ug/L	90
23) Bromochloromethane	4.146	128	3300	0.887	ug/L	95
25) Chloroform	4.272	83	18966	1.290	ug/L	100

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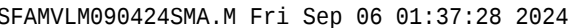
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 ClientSampleId :

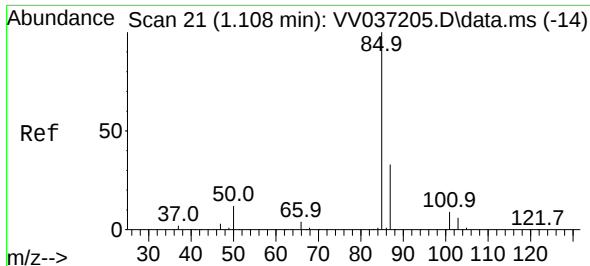
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 06 01:31:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	8289	0.890	ug/L	96
29) Cyclohexane	4.571	56	12097	0.961	ug/L	95
30) 1,1,1-Trichloroethane	4.506	97	12305	0.993	ug/L	99
31) Carbon tetrachloride	4.728	117	10061	0.960	ug/L	99
33) Benzene	5.011	78	31574	1.008	ug/L	100
34) Trichloroethene	5.841	95	9185	1.078	ug/L	91
35) Methylcyclohexane	6.043	83	12785	0.921	ug/L #	82
37) 1,2-Dichloropropane	6.101	63	7248	0.884	ug/L #	92
38) Bromodichloromethane	6.439	83	10002	0.983	ug/L #	85
39) cis-1,3-Dichloropropene	6.963	75	11488	0.924	ug/L	94
40) 4-Methyl-2-pentanone	7.181	43	5937	1.307	ug/L #	83
42) Toluene	7.323	91	31933	0.969	ug/L	97
44) trans-1,3-Dichloropropene	7.596	75	3635	0.361	ug/L	95
45) 1,1,2-Trichloroethane	7.776	97	3116	0.509	ug/L	93
46) Tetrachloroethene	7.905	164	6486	1.035	ug/L	92
48) 2-Hexanone	8.098	43	4099	1.083	ug/L #	73
49) Dibromochloromethane	8.178	129	6277	0.986	ug/L	91
50) 1,2-Dibromoethane	8.291	107	5334	0.912	ug/L	95
51) Chlorobenzene	8.812	112	21034	0.975	ug/L	98
52) Ethylbenzene	8.950	91	34297	0.929	ug/L	98
53) m,p-Xylene	9.075	106	12596	0.920	ug/L	96
54) o-Xylene	9.480	106	11229	0.851	ug/L	89
55) Styrene	9.503	104	15704	0.702	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	8317	1.140	ug/L #	93
59) Bromoform	9.670	173	3255	0.973	ug/L #	90
60) Isopropylbenzene	9.863	105	30497	0.892	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	5120	1.055	ug/L	95
62) 1,3,5-Trimethylbenzene	10.474	105	23343	0.859	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	22940	0.852	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	14957	0.959	ug/L	88
65) 1,4-Dichlorobenzene	11.207	146	17940	1.128	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	15491	1.071	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.371	75	1245	1.137	ug/L #	87
69) 1,3,5-Trichlorobenzene	12.583	180	11275	1.019	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	10294	1.054	ug/L	91
71) Naphthalene	13.445	128	18160	0.953	ug/L	96
72) 1,2,3-Trichlorobenzene	13.680	180	8600	0.959	ug/L	97

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

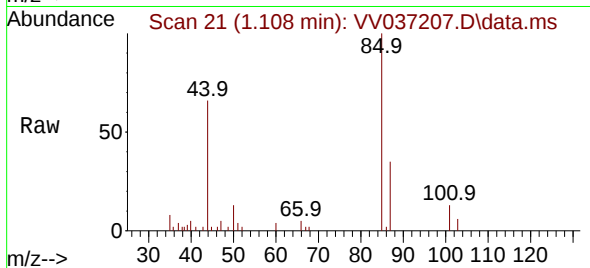
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
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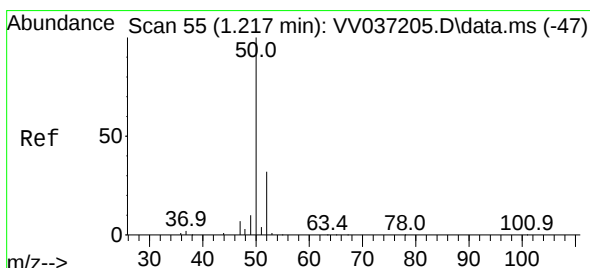
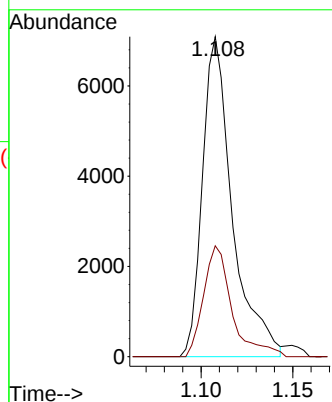
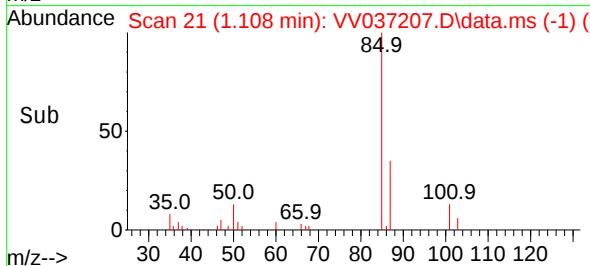


#2
 Dichlorodifluoromethane
 Concen: 1.011 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV037207.D
 Acq: 05 Sep 2024 10:24

Instrument :
 MSVOA_V
 ClientSampleId :

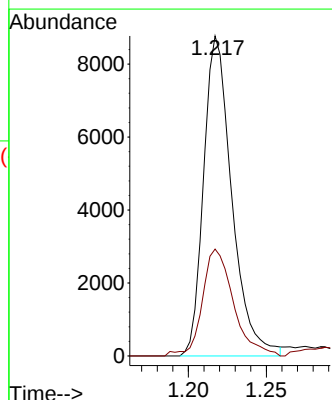
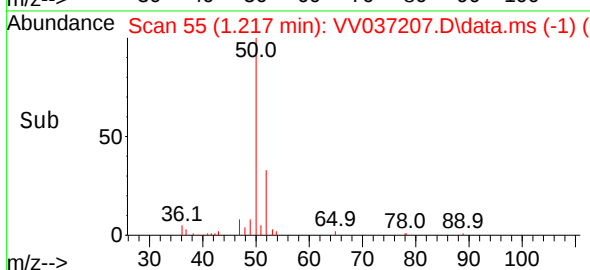
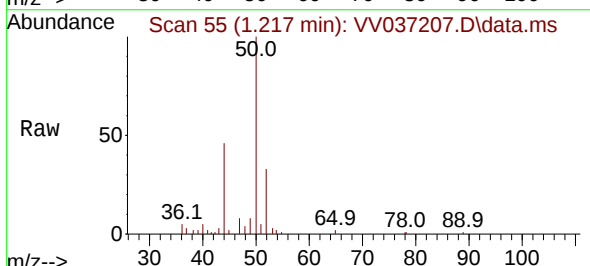


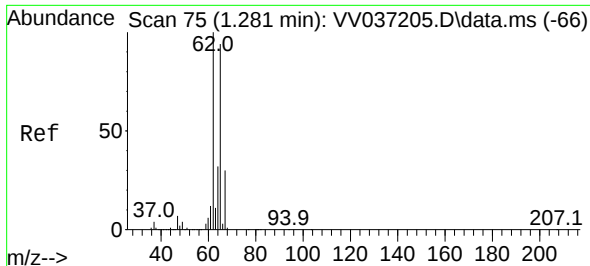
Tgt Ion: 85 Resp: 8030
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.1 39.1



#3
 Chloromethane
 Concen: 1.163 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV037207.D
 Acq: 05 Sep 2024 10:24

Tgt Ion: 50 Resp: 11038
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.9 42.5

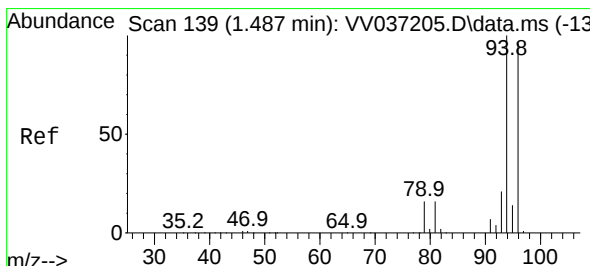
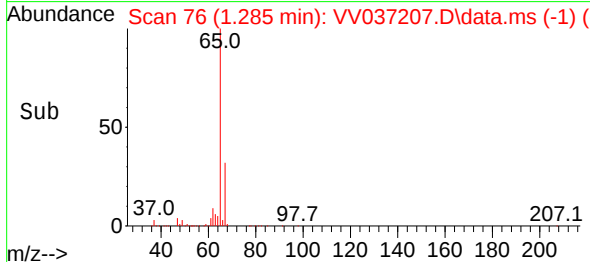
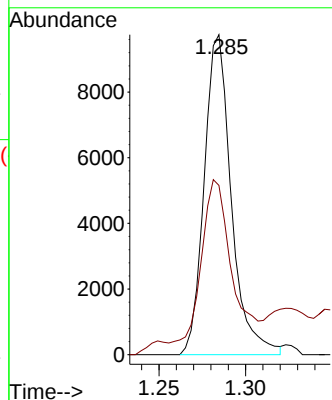
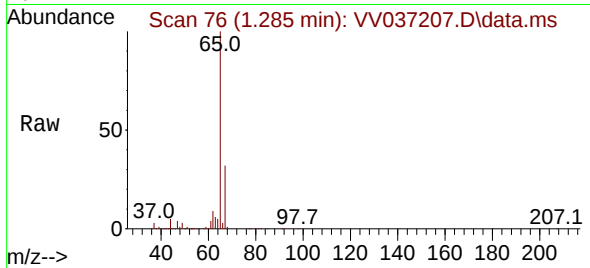




#5
 Vinyl chloride
 Concen: 1.139 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV037207.D
 Acq: 05 Sep 2024 10:24

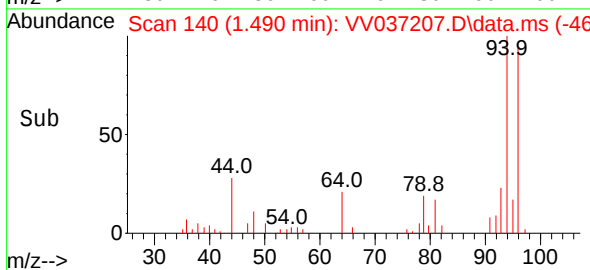
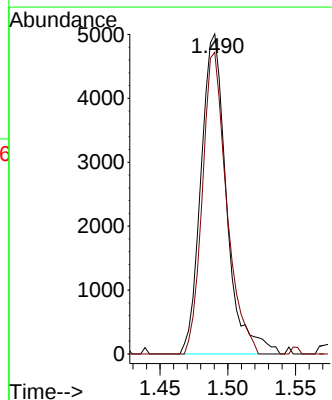
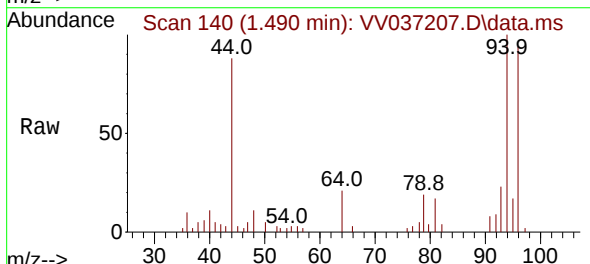
Instrument :
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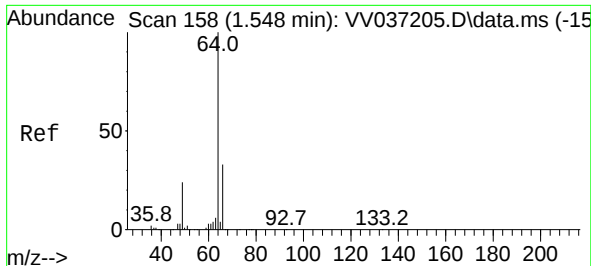
Tgt Ion: 62 Resp: 10635
 Ion Ratio Lower Upper
 62 100
 64 52.9 23.2 43.2#



#6
 Bromomethane
 Concen: 1.216 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV037207.D
 Acq: 05 Sep 2024 10:24

Tgt Ion: 94 Resp: 6568
 Ion Ratio Lower Upper
 94 100
 96 94.2 66.6 123.6

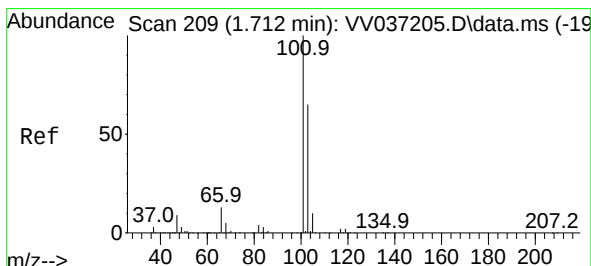
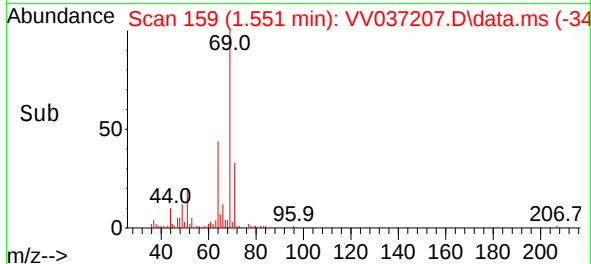
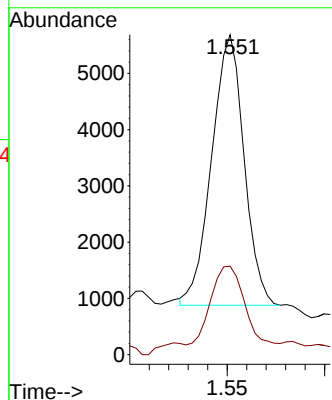
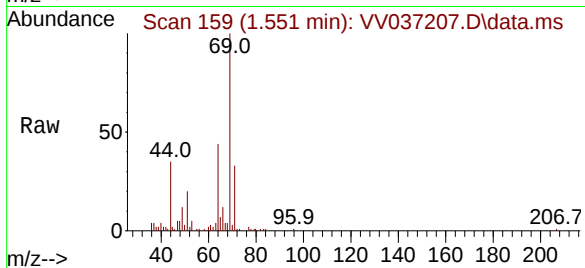




#8
Chloroethane
Concen: 0.965 ug/L
RT: 1.551 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

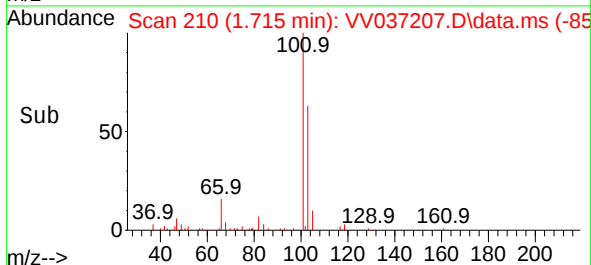
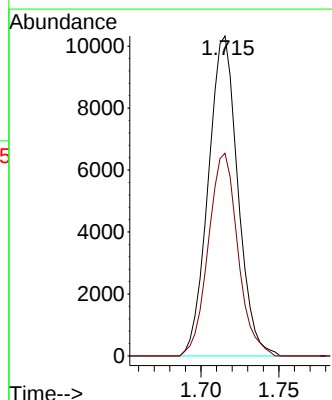
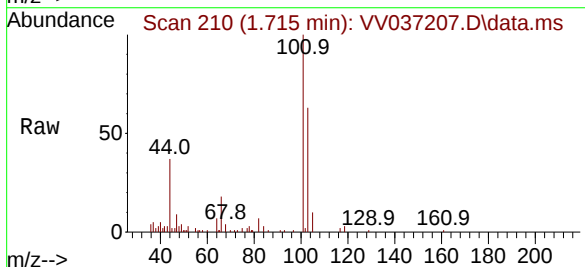
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ClientSampleId :

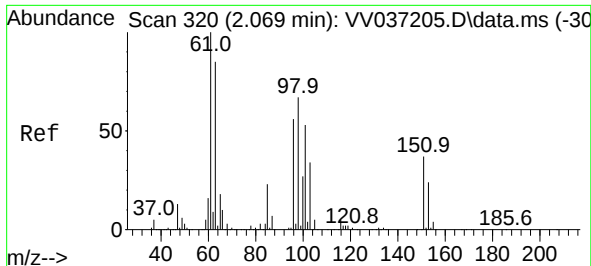
Tgt Ion: 64 Resp: 5542
Ion Ratio Lower Upper
64 100
66 27.7 22.7 42.1



#9
Trichlorofluoromethane
Concen: 1.069 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Tgt Ion:101 Resp: 13624
Ion Ratio Lower Upper
101 100
103 63.4 51.4 77.2

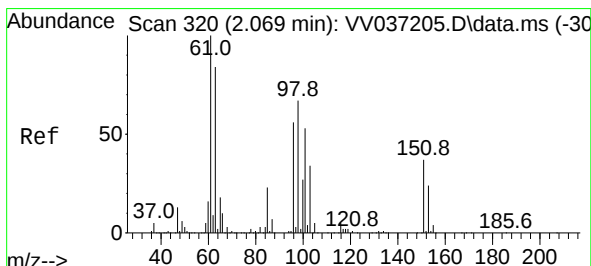
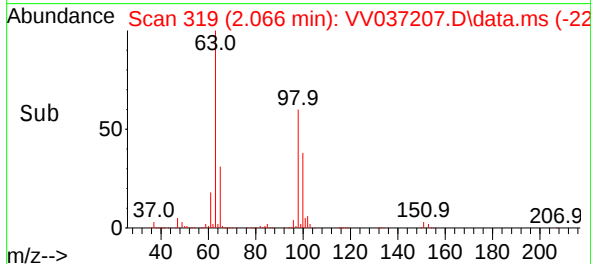
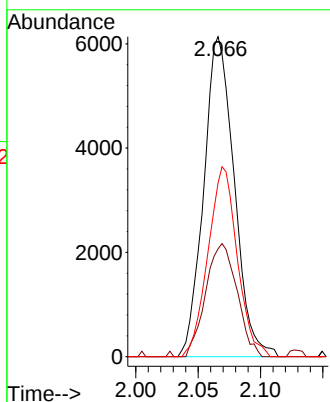
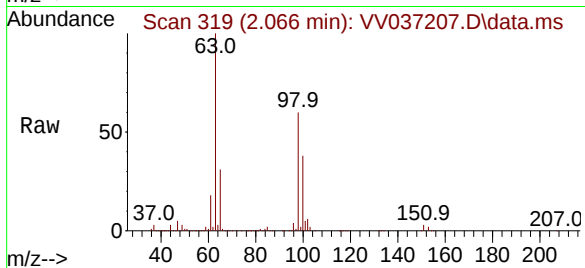




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.312 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

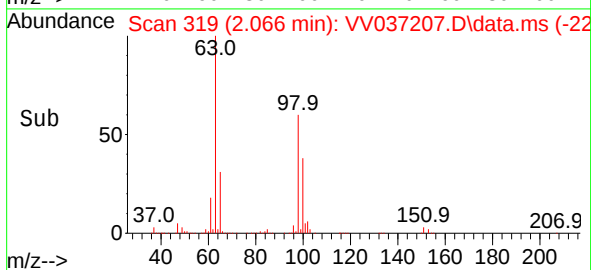
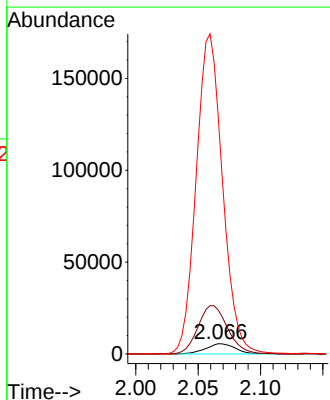
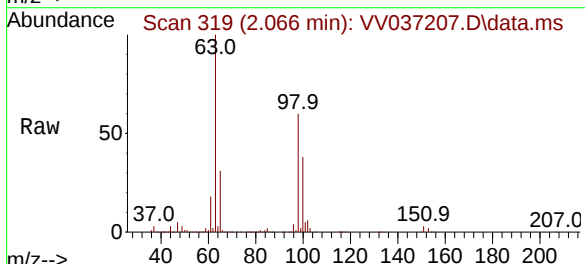
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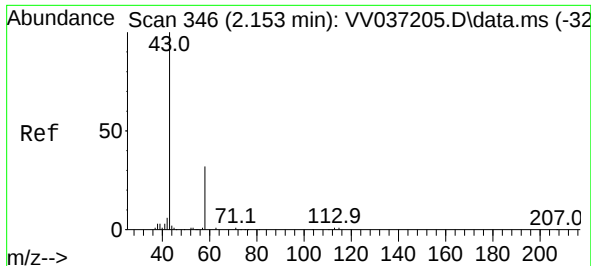
Tgt Ion:101 Resp: 10440
Ion Ratio Lower Upper
101 100
85 36.3 34.7 52.1
151 57.0 54.3 81.5



#12
1,1-Dichloroethene
Concen: 1.286 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Tgt Ion: 96 Resp: 9321
Ion Ratio Lower Upper
96 100
61 433.5 126.8 235.6#
63 2356.5 110.4 205.0#





#13

Acetone

Concen: 2.731 ug/L

RT: 2.153 min Scan# 346

Delta R.T. -0.000 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

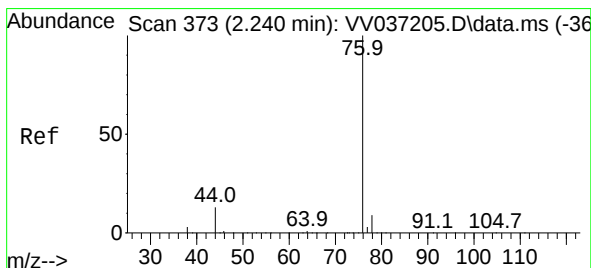
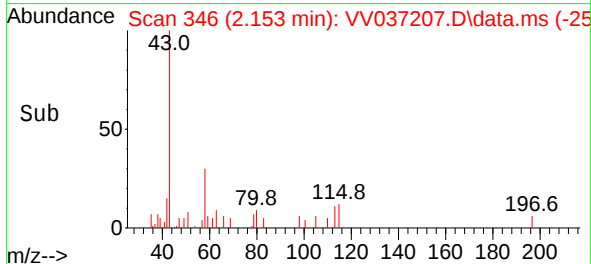
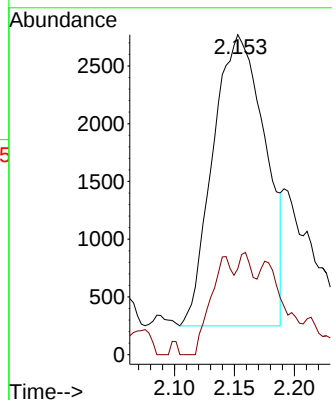
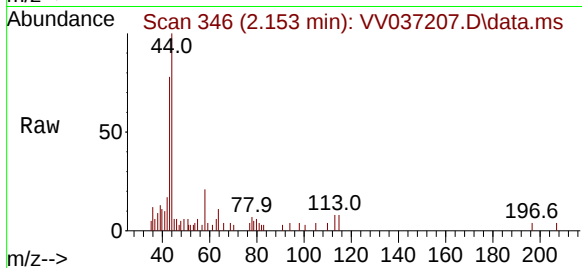
ClientSampleId :

Tgt Ion: 43 Resp: 7637

Ion Ratio Lower Upper

43 100

58 11.6 0.0 22.2



#14

Carbon disulfide

Concen: 1.010 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV037207.D

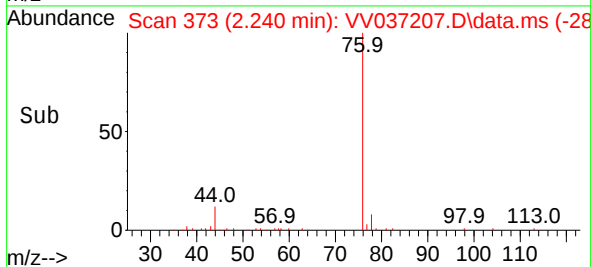
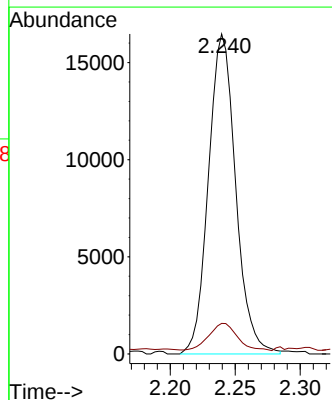
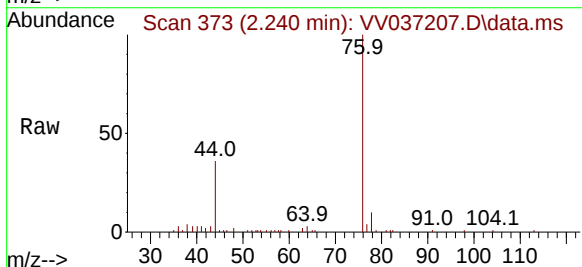
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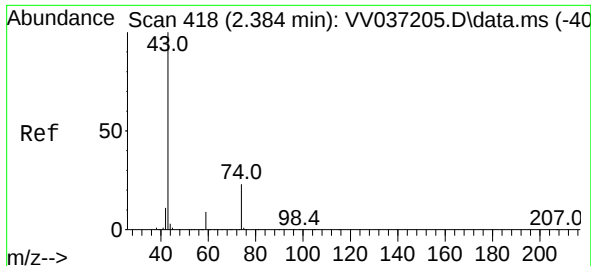
Tgt Ion: 76 Resp: 24039

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8

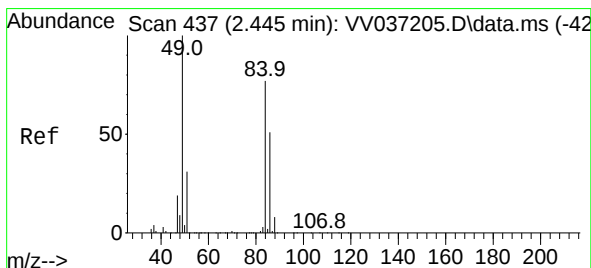
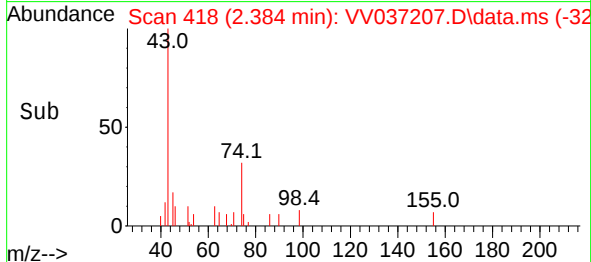
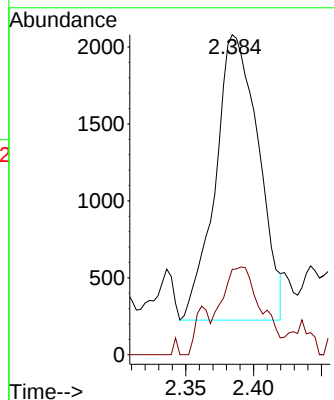
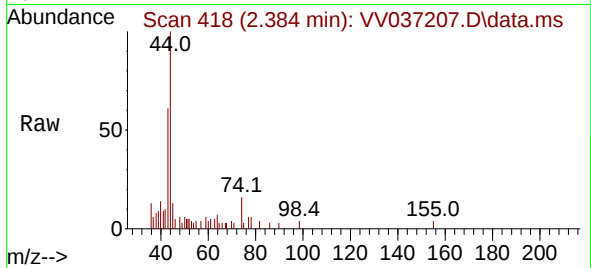




#15
Methyl Acetate
Concen: 1.041 ug/L
RT: 2.384 min Scan# 418
Delta R.T. -0.000 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

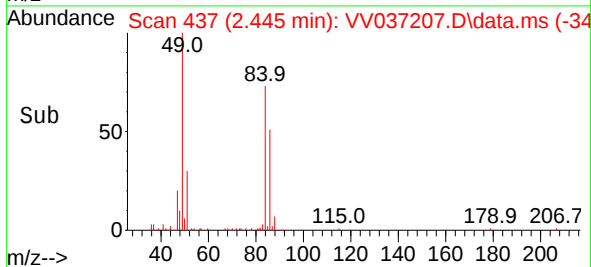
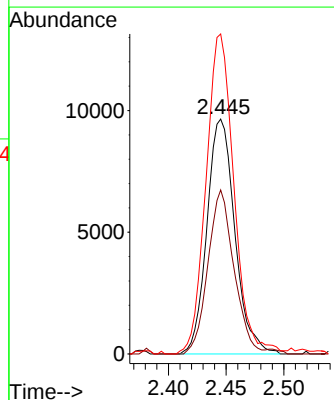
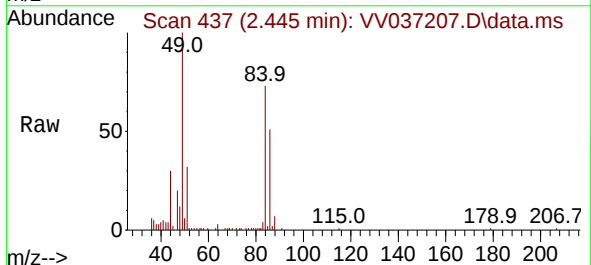
Instrument :
MSVOA_V
ClientSampleId :

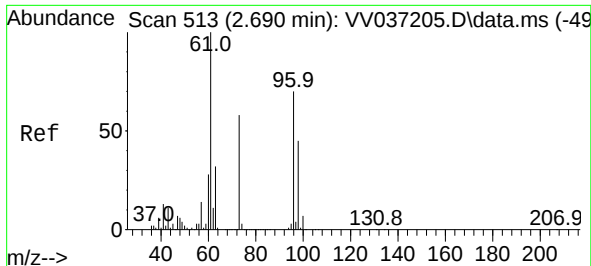
Tgt Ion: 43 Resp: 4114
Ion Ratio Lower Upper
43 100
74 20.9 19.0 28.4



#16
Methylene chloride
Concen: 1.538 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

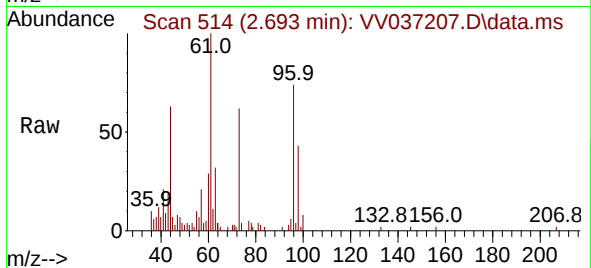
Tgt Ion: 84 Resp: 16256
Ion Ratio Lower Upper
84 100
86 69.8 45.4 84.2
49 136.2 88.7 164.7



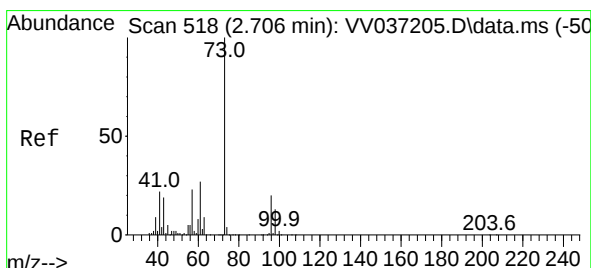
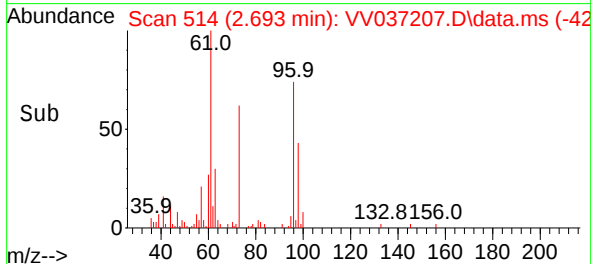
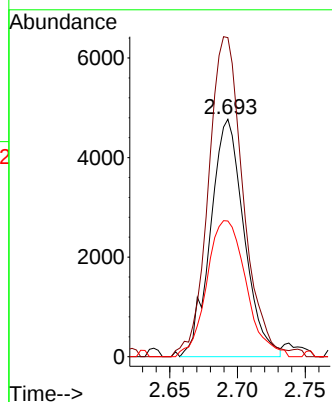


#17
trans-1,2-Dichloroethene
Concen: 1.040 ug/L
RT: 2.693 min Scan# 513
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Instrument :
MSVOA_V
ClientSampleId :

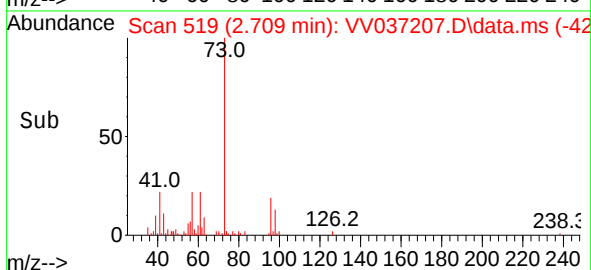
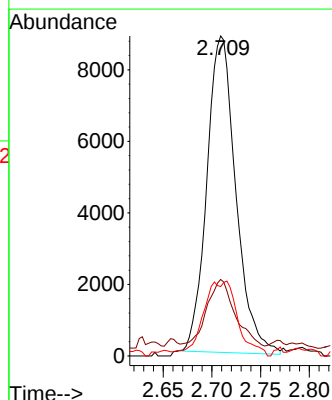
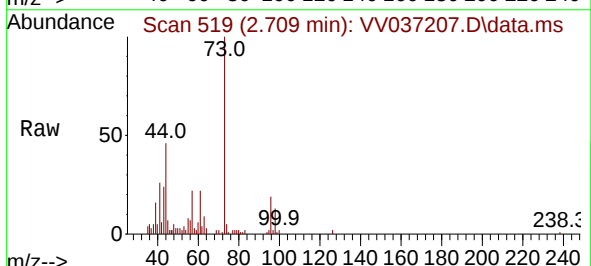


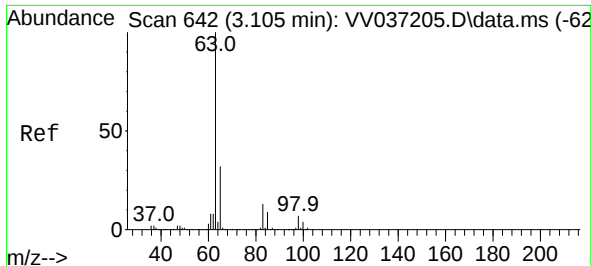
Tgt Ion: 96 Resp: 8223
Ion Ratio Lower Upper
96 100
61 134.4 99.7 185.1
98 57.1 46.4 86.2



#18
Methyl tert-butyl Ether
Concen: 0.992 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Tgt Ion: 73 Resp: 18371
Ion Ratio Lower Upper
73 100
43 20.3 15.7 23.5
57 12.8 18.3 27.5#

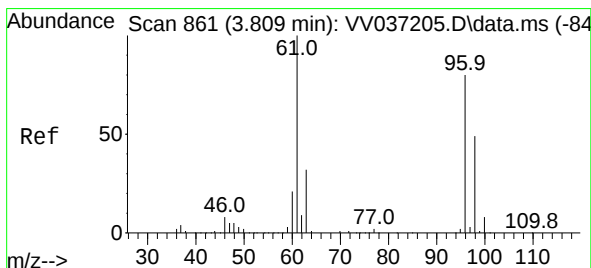
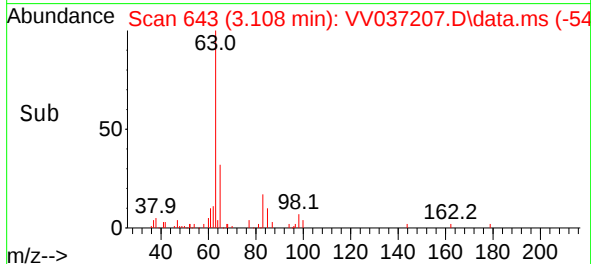
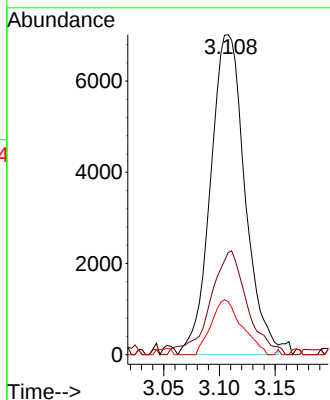
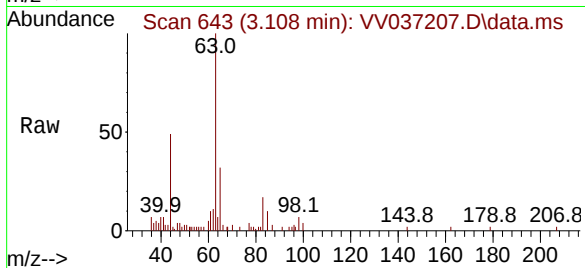




#19
1,1-Dichloroethane
Concen: 0.994 ug/L
RT: 3.108 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

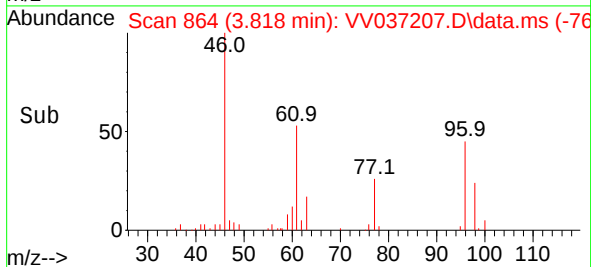
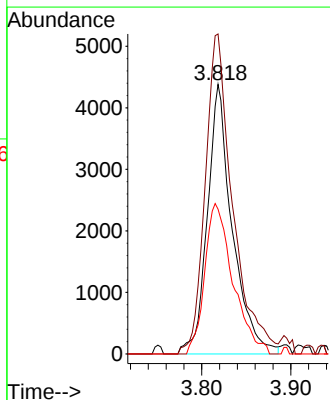
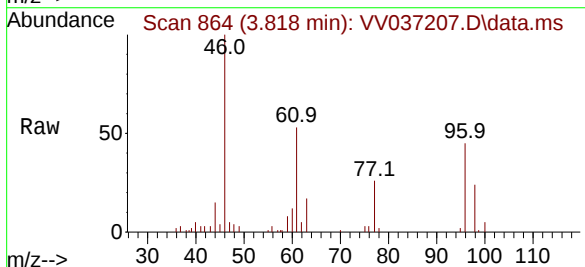
Instrument :
MSVOA_V
ClientSampleId :

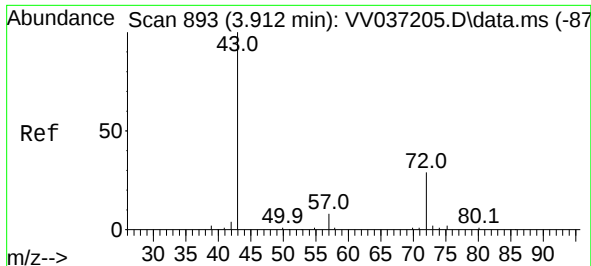
Tgt Ion:	63	Resp:	15051
Ion Ratio	Lower	Upper	
63	100		
65	31.9	22.4	41.6
83	16.6	9.3	17.3



#20
cis-1,2-Dichloroethene
Concen: 1.018 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.010 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Tgt Ion:	96	Resp:	8500
Ion Ratio	Lower	Upper	
96	100		
61	118.7	87.6	162.6
98	56.2	44.0	81.6





#22

2-Butanone

Concen: 0.230 ug/L

RT: 3.931 min Scan# 899

Delta R.T. 0.019 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

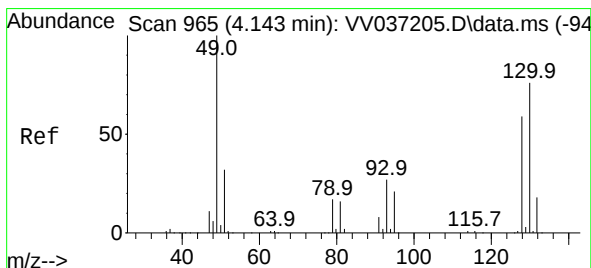
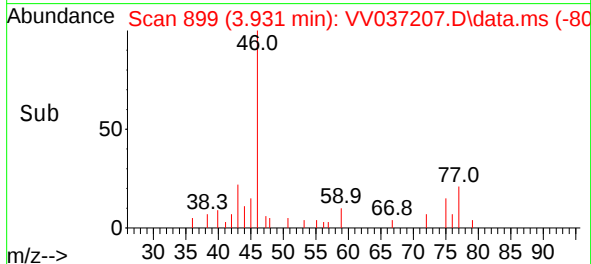
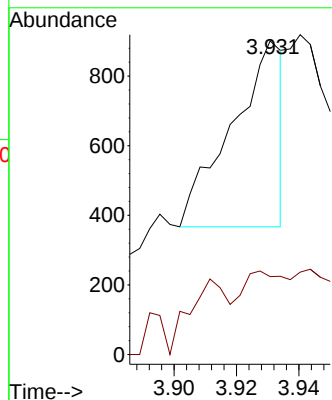
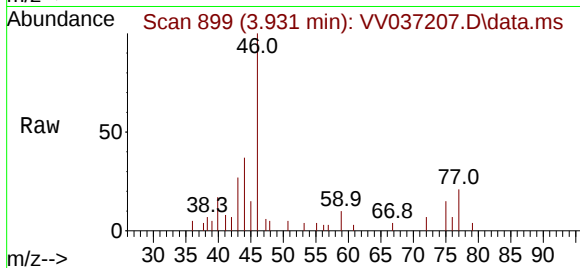
ClientSampleId :

Tgt Ion: 43 Resp: 601

Ion Ratio Lower Upper

43 100

72 15.6 10.2 30.6



#23

Bromochloromethane

Concen: 0.887 ug/L

RT: 4.146 min Scan# 966

Delta R.T. 0.003 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Tgt Ion: 128 Resp: 3300

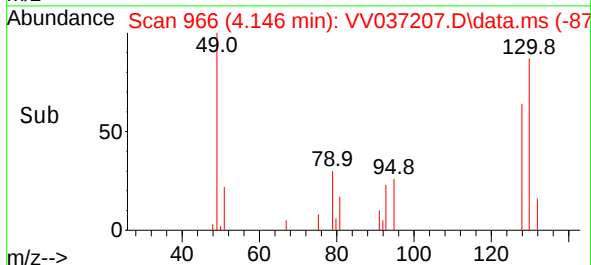
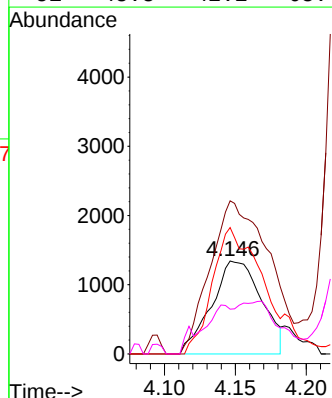
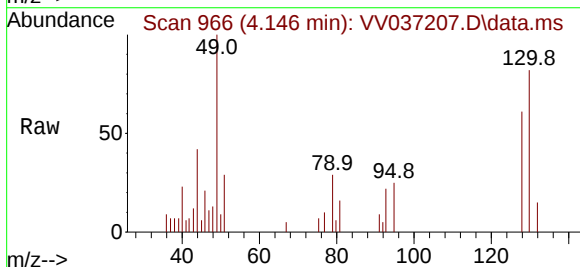
Ion Ratio Lower Upper

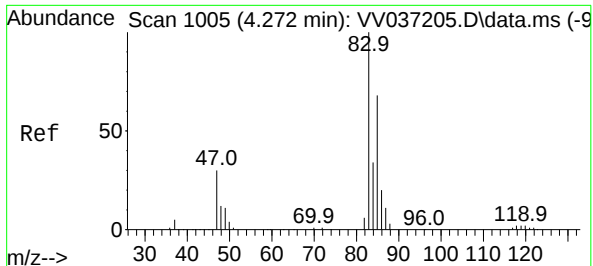
128 100

49 164.8 117.8 218.8

130 135.9 88.4 164.2

51 48.3 42.2 63.4





#25

Chloroform

Concen: 1.290 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.000 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

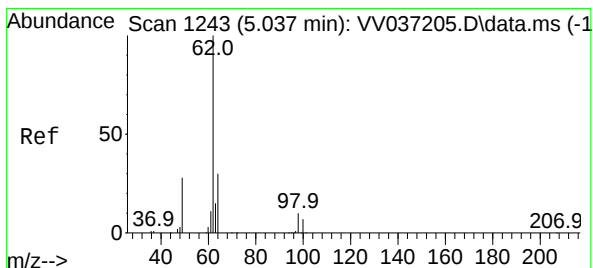
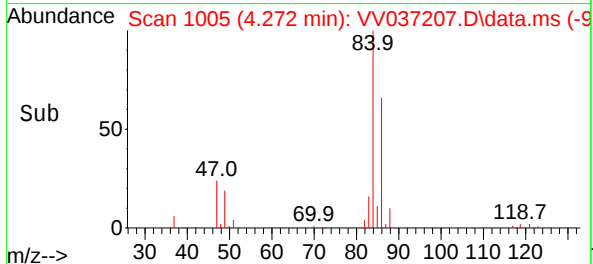
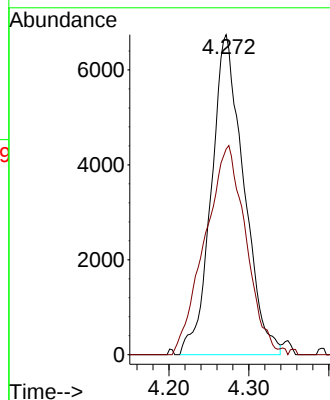
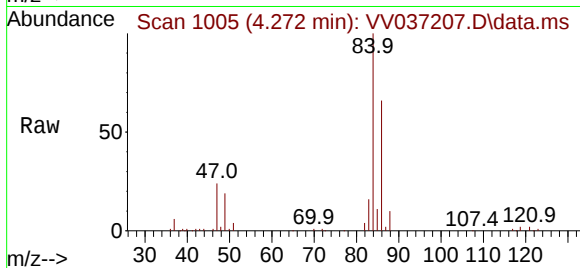
ClientSampleId :

Tgt Ion: 83 Resp: 18966

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.3



#27

1,2-Dichloroethane

Concen: 0.890 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.019 min

Lab File: VV037207.D

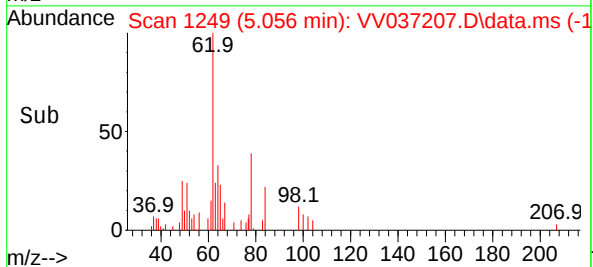
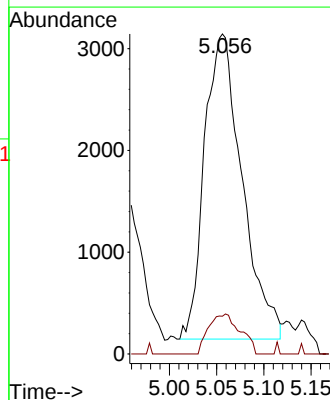
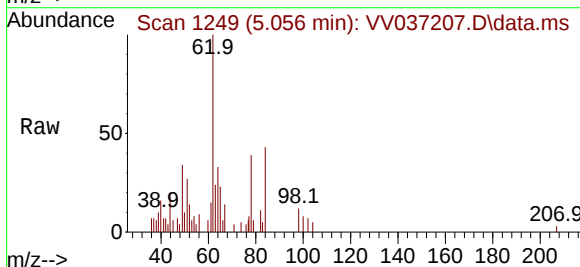
Acq: 05 Sep 2024 10:24

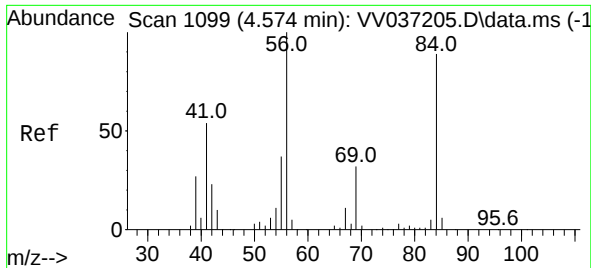
Tgt Ion: 62 Resp: 8289

Ion Ratio Lower Upper

62 100

98 11.8 8.3 12.5





#29

Cyclohexane

Concen: 0.961 ug/L

RT: 4.571 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :

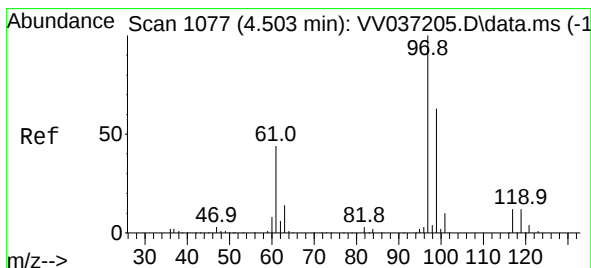
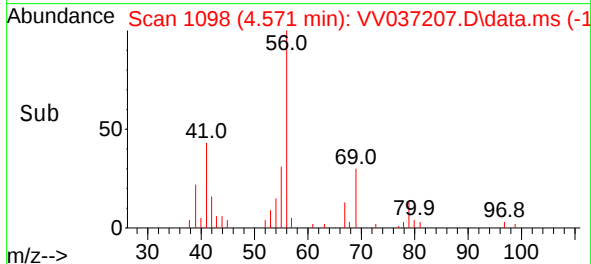
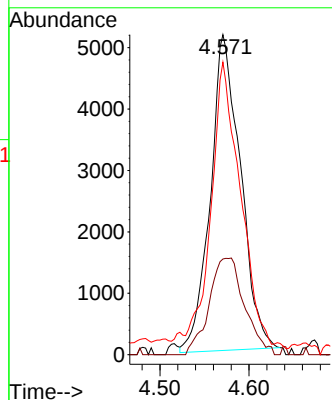
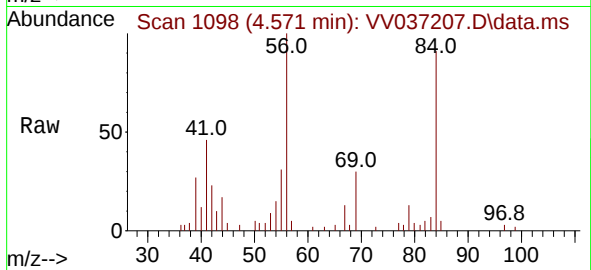
Tgt Ion: 56 Resp: 12097

Ion Ratio Lower Upper

56 100

69 35.4 24.3 36.5

84 85.6 71.1 106.7



#30

1,1,1-Trichloroethane

Concen: 0.993 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

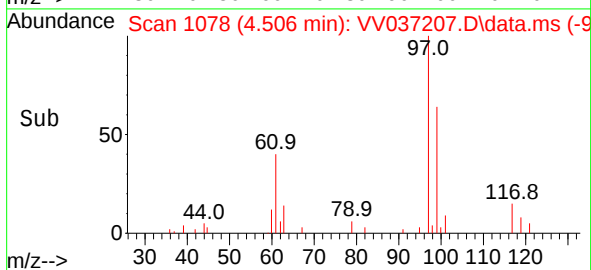
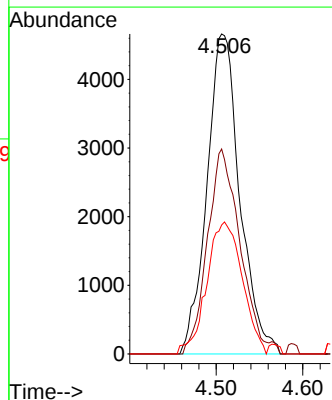
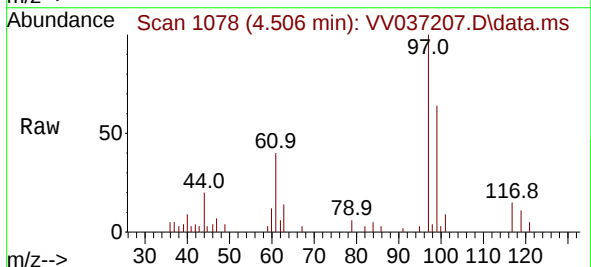
Tgt Ion: 97 Resp: 12305

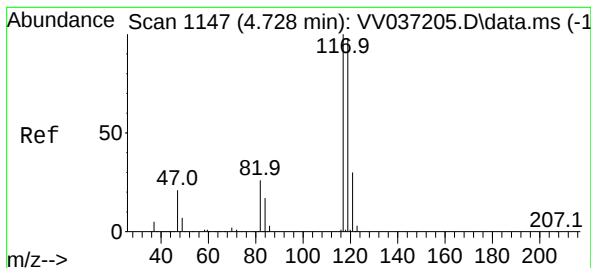
Ion Ratio Lower Upper

97 100

99 63.2 51.5 77.3

61 44.2 35.4 53.2





#31

Carbon tetrachloride

Concen: 0.960 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. -0.000 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

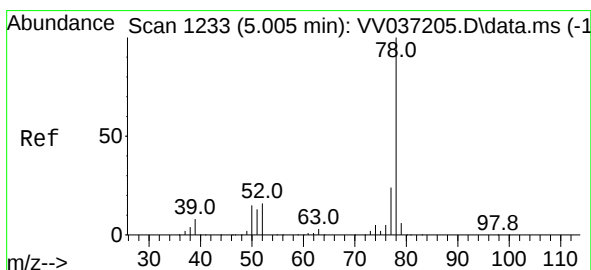
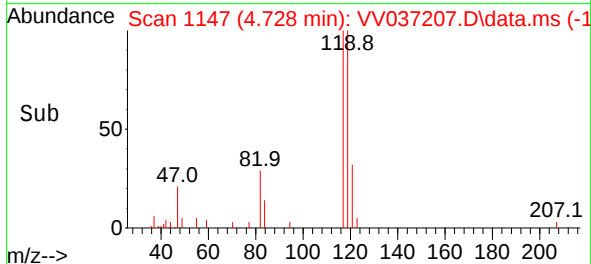
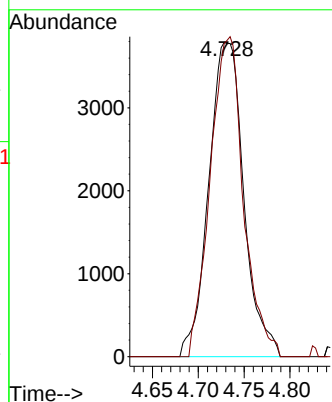
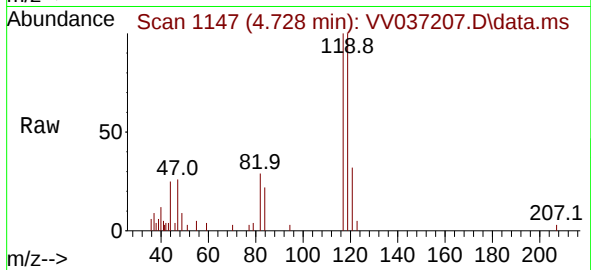
ClientSampleId :

Tgt Ion:117 Resp: 10061

Ion Ratio Lower Upper

117 100

119 96.6 76.2 114.4



#33

Benzene

Concen: 1.008 ug/L

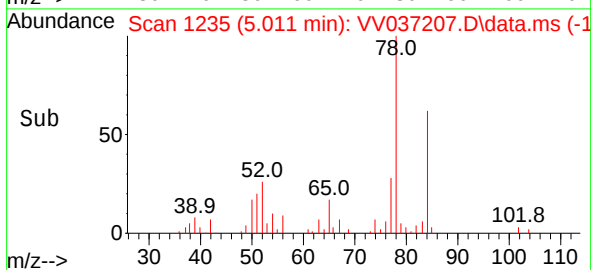
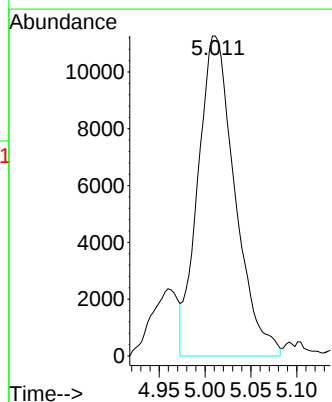
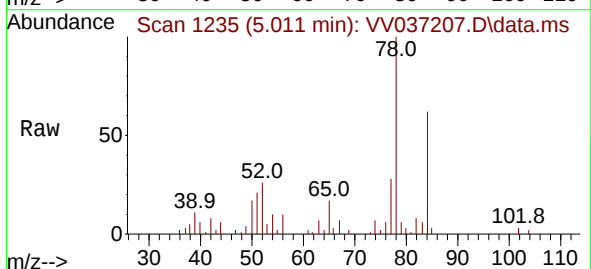
RT: 5.011 min Scan# 1235

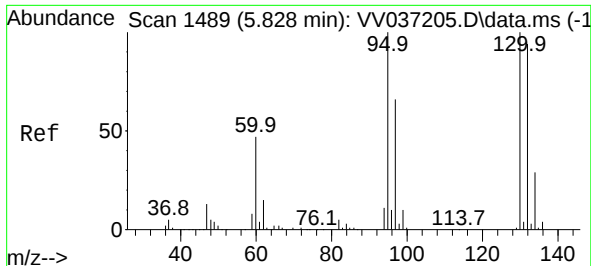
Delta R.T. 0.006 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Tgt Ion: 78 Resp: 31574

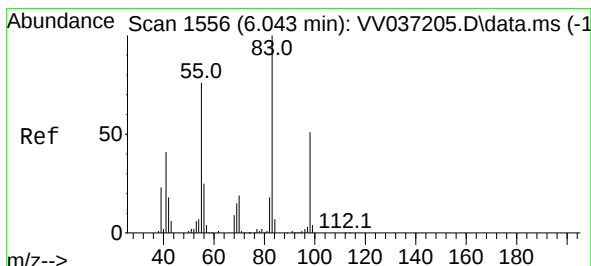
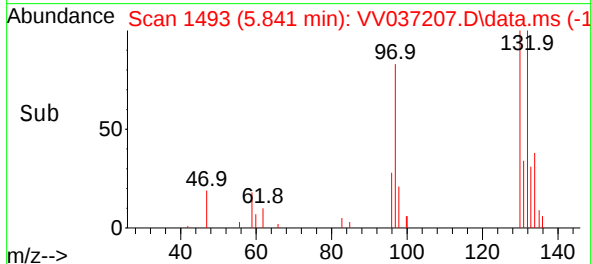
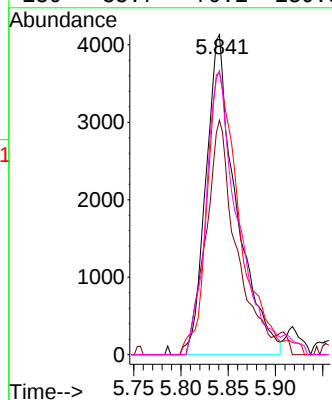
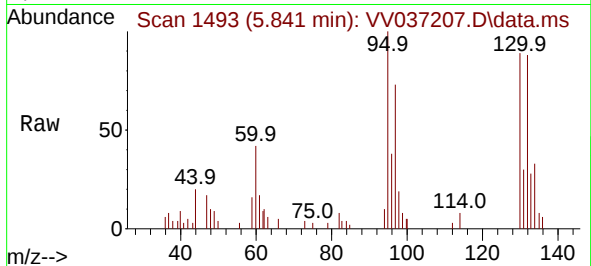




#34
Trichloroethene
Concen: 1.078 ug/L
RT: 5.841 min Scan# 1489
Delta R.T. 0.013 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

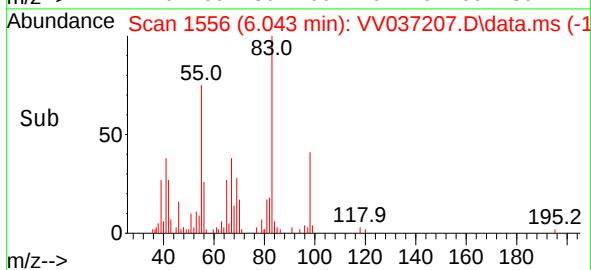
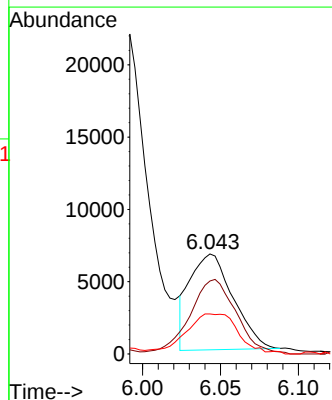
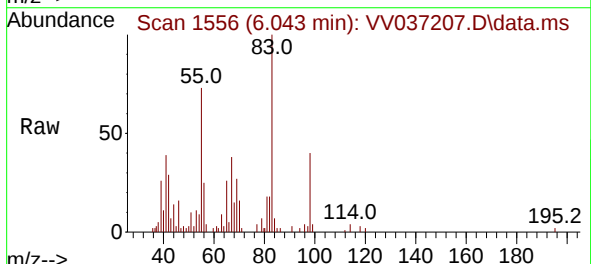
Instrument :
MSVOA_V
ClientSampleId :

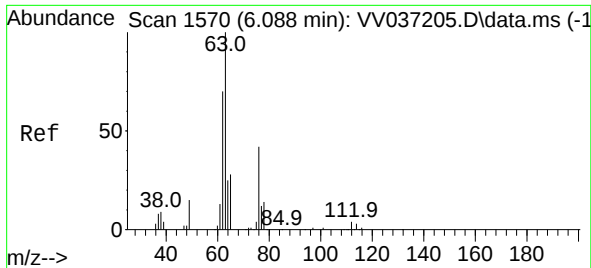
Tgt Ion: 95	Resp: 9185
Ion Ratio	Lower Upper
95	100
97	73.3 44.0 81.6
132	88.3 64.3 119.5
130	88.7 70.1 130.3



#35
Methylcyclohexane
Concen: 0.921 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Tgt Ion: 83	Resp: 12785
Ion Ratio	Lower Upper
83	100
55	83.6 61.6 92.4
98	25.0 38.5 57.7#

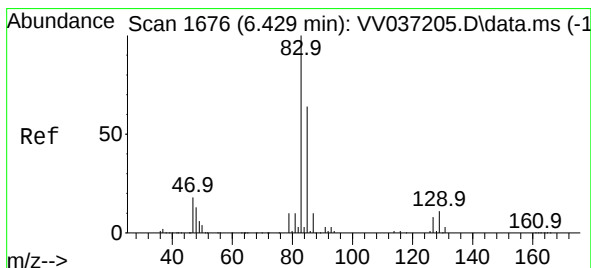
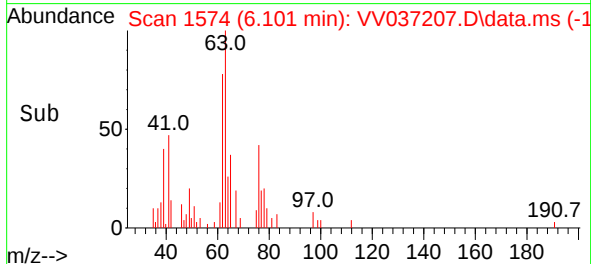
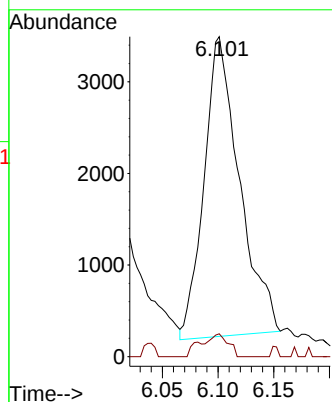
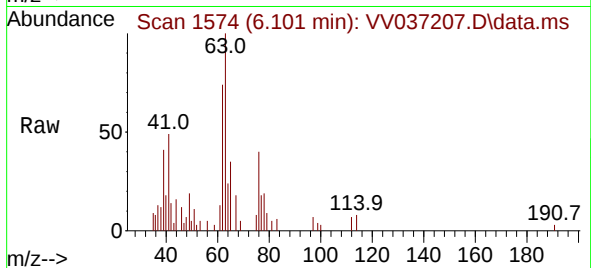




#37
1,2-Dichloropropane
Concen: 0.884 ug/L
RT: 6.101 min Scan# 1574
Delta R.T. 0.013 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

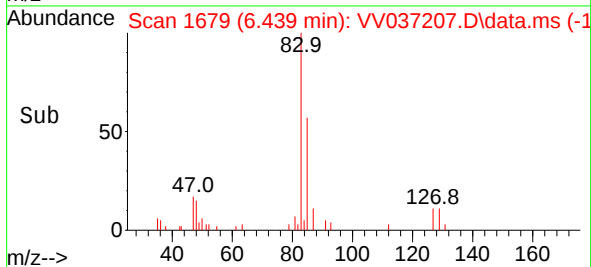
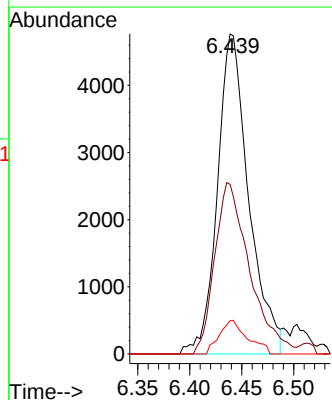
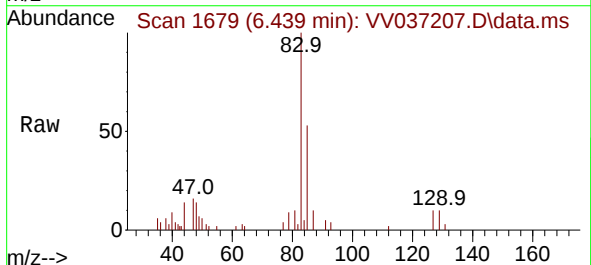
Instrument :
MSVOA_V
ClientSampleId :

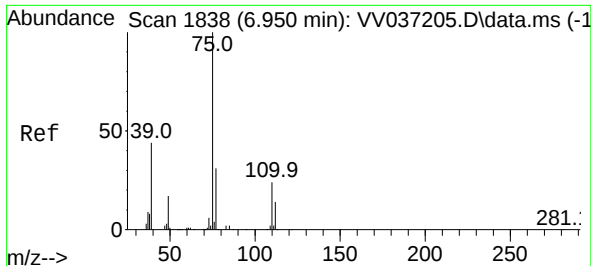
Tgt Ion: 63 Resp: 7248
Ion Ratio Lower Upper
63 100
112 2.0 3.8 5.6#



#38
Bromodichloromethane
Concen: 0.983 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.010 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Tgt Ion: 83 Resp: 10002
Ion Ratio Lower Upper
83 100
85 53.0 45.9 85.3
127 10.4 6.5 9.7#

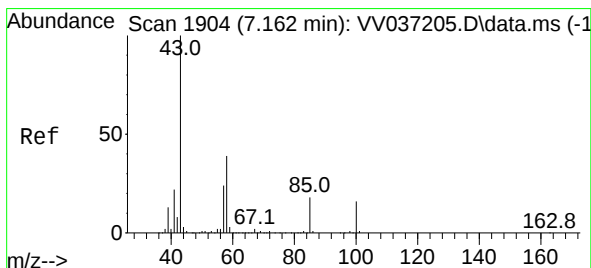
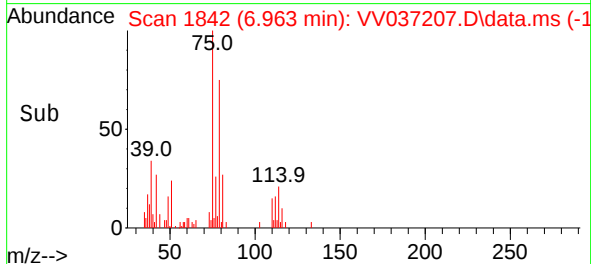
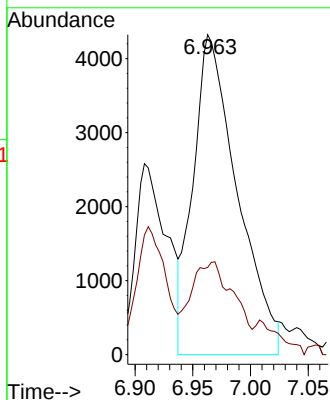
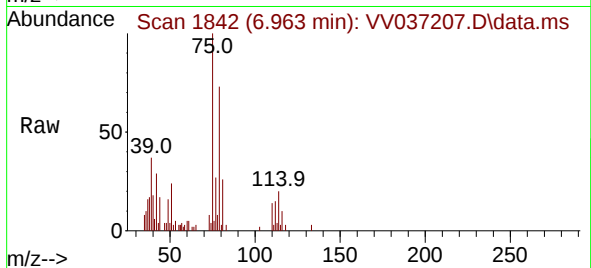




#39
cis-1,3-Dichloropropene
Concen: 0.924 ug/L
RT: 6.963 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

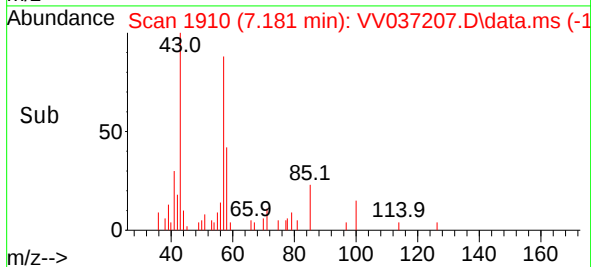
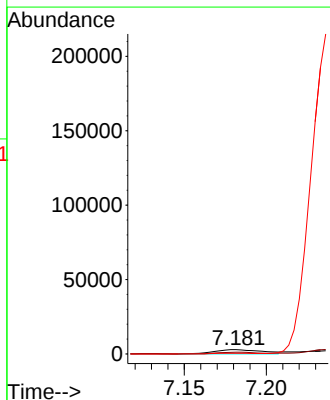
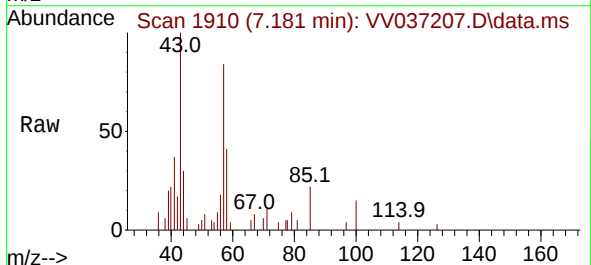
Instrument :
MSVOA_V
ClientSampleId :

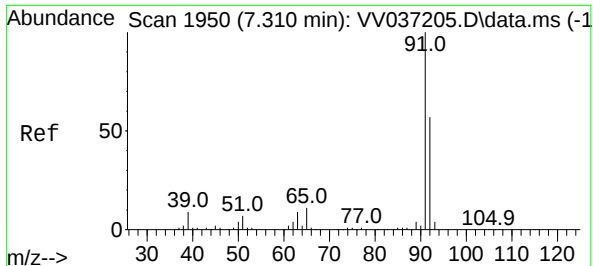
Tgt Ion: 75 Resp: 11488
Ion Ratio Lower Upper
75 100
77 27.2 21.6 40.0



#40
4-Methyl-2-pentanone
Concen: 1.307 ug/L
RT: 7.181 min Scan# 1910
Delta R.T. 0.019 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Tgt Ion: 43 Resp: 5937
Ion Ratio Lower Upper
43 100
58 28.5 30.3 45.5#
100 5.8 11.6 17.4#





#42

Toluene

Concen: 0.969 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

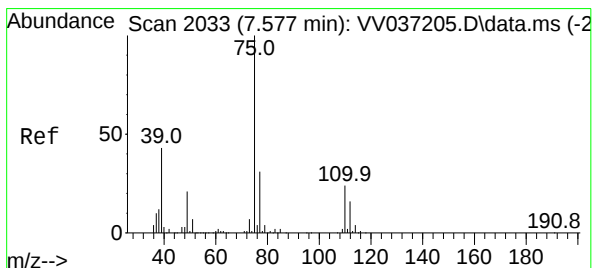
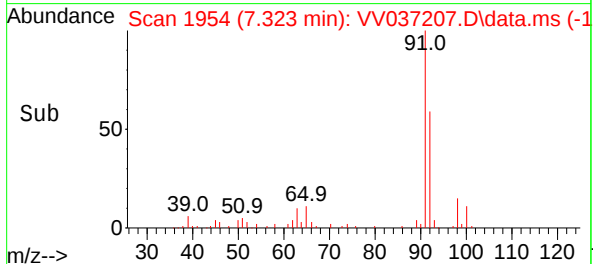
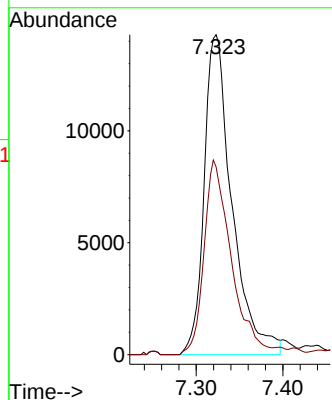
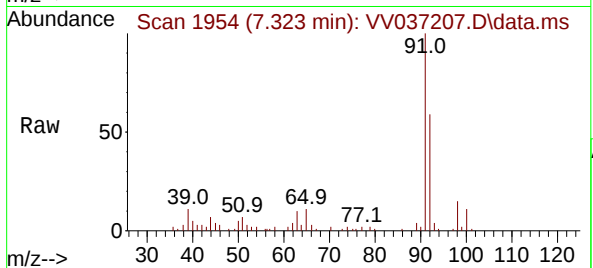
ClientSampleId :

Tgt Ion: 91 Resp: 31933

Ion Ratio Lower Upper

91 100

92 58.7 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 0.361 ug/L

RT: 7.596 min Scan# 2039

Delta R.T. 0.019 min

Lab File: VV037207.D

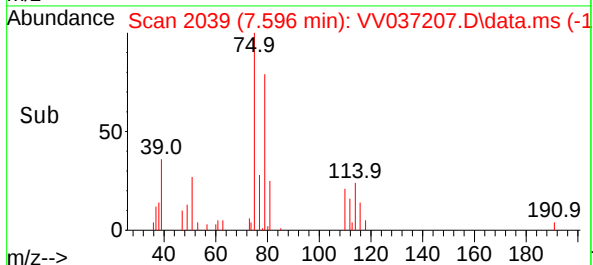
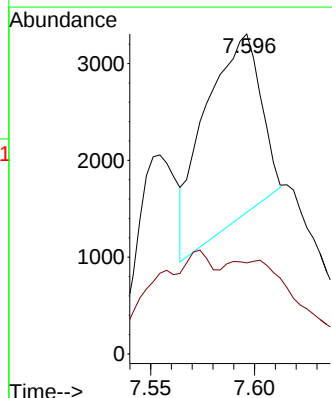
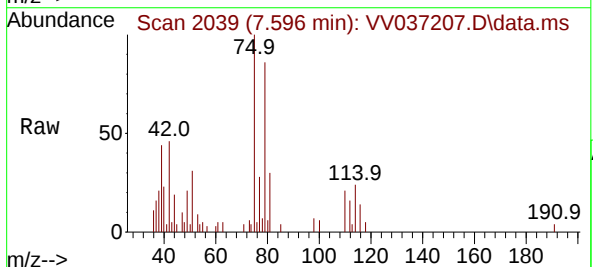
Acq: 05 Sep 2024 10:24

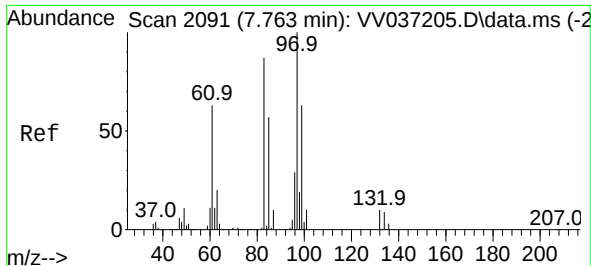
Tgt Ion: 75 Resp: 3635

Ion Ratio Lower Upper

75 100

77 28.5 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 0.509 ug/L

RT: 7.776 min Scan# 2091

Delta R.T. 0.013 min

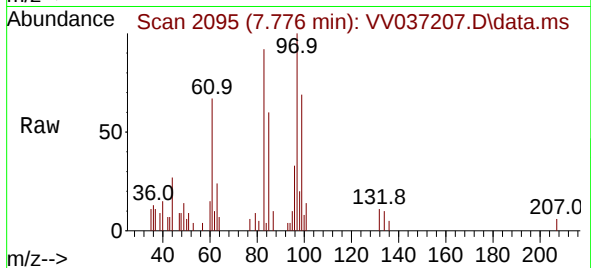
Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 97 Resp: 3116

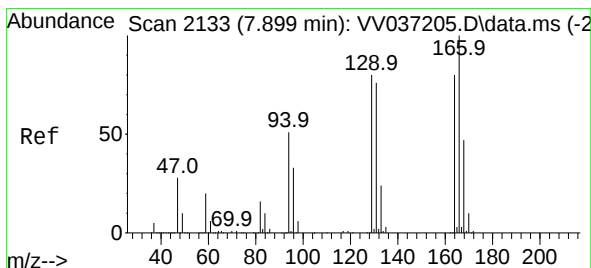
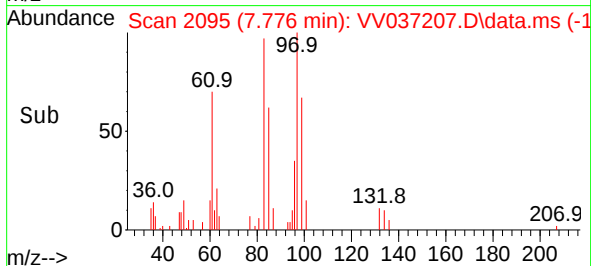
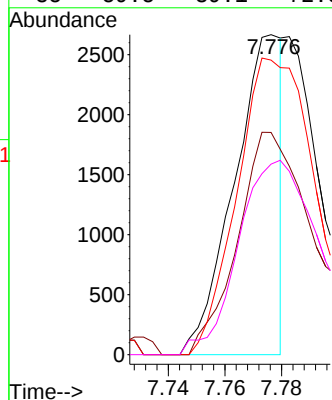
Ion Ratio Lower Upper

97 100

99 69.4 43.2 80.2

83 92.0 60.0 111.4

85 59.5 39.1 72.5



#46

Tetrachloroethene

Concen: 1.035 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.006 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Tgt Ion: 164 Resp: 6486

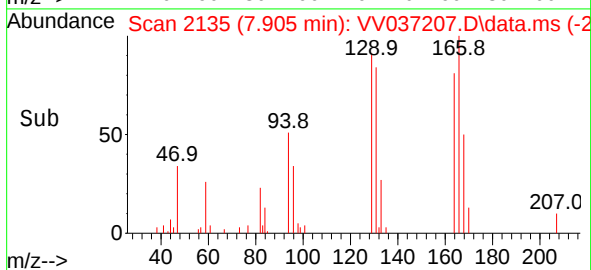
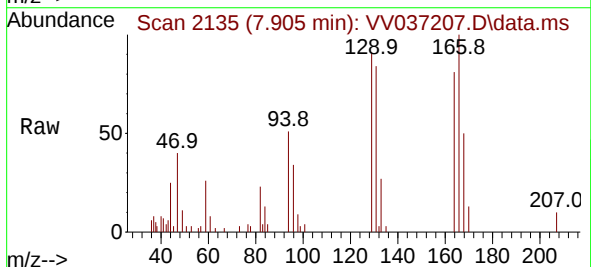
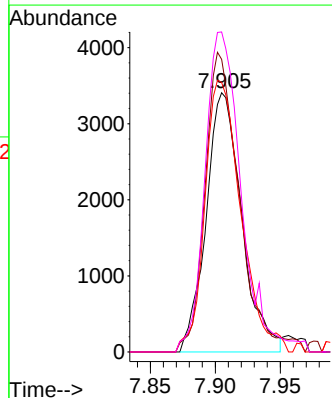
Ion Ratio Lower Upper

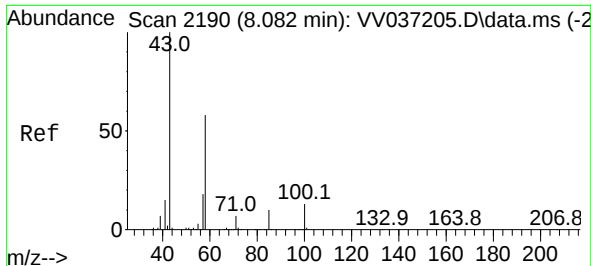
164 100

129 112.9 70.0 130.0

131 104.0 68.0 126.2

166 123.5 90.3 167.7





#48

2-Hexanone

Concen: 1.083 ug/L

RT: 8.098 min Scan# 2195

Delta R.T. 0.016 min

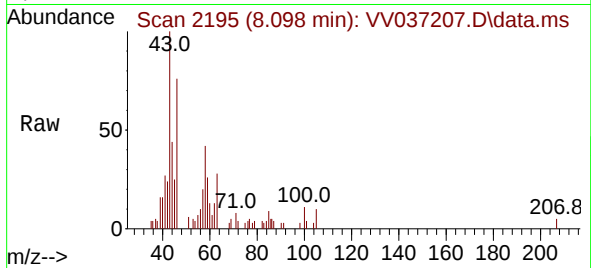
Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 4099

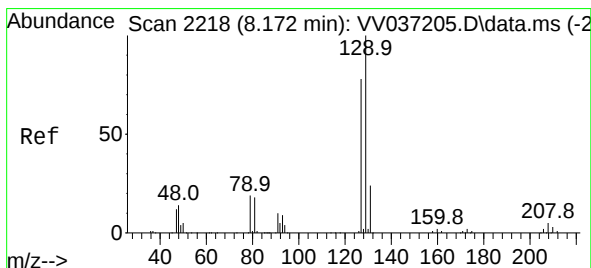
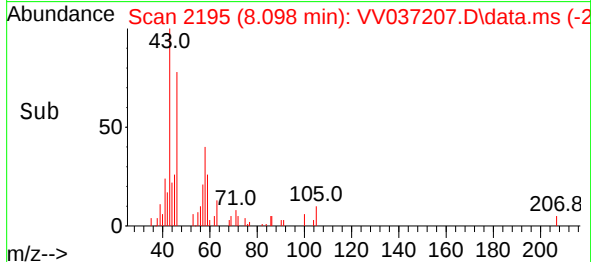
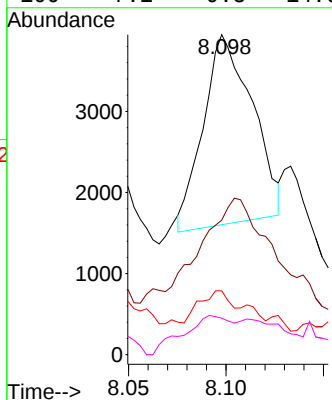
Ion Ratio Lower Upper

43 100

58 73.6 42.9 64.3#

57 3.9 14.6 21.8#

100 7.1 9.8 14.6#



#49

Dibromochloromethane

Concen: 0.986 ug/L

RT: 8.178 min Scan# 2220

Delta R.T. 0.006 min

Lab File: VV037207.D

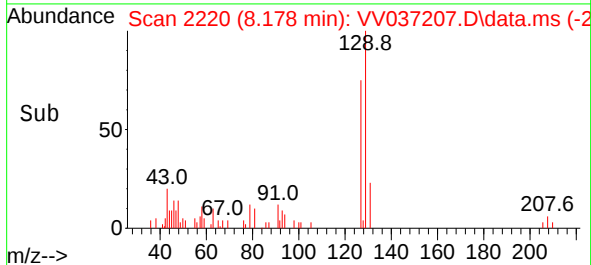
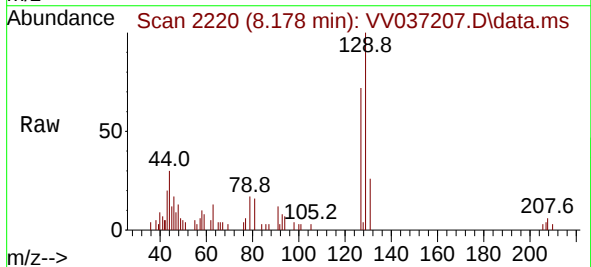
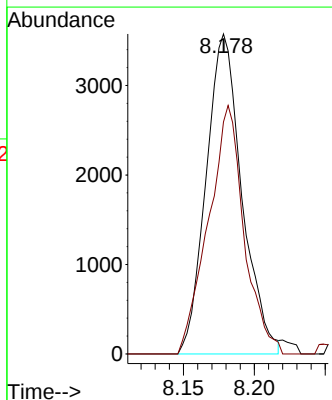
Acq: 05 Sep 2024 10:24

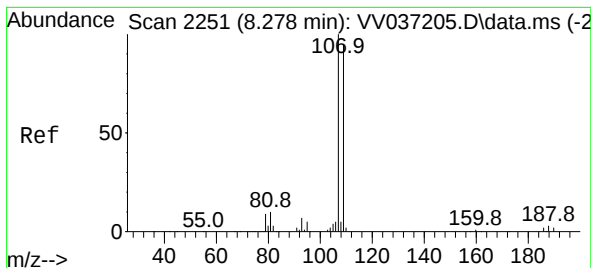
Tgt Ion: 129 Resp: 6277

Ion Ratio Lower Upper

129 100

127 72.5 56.0 104.0





#50

1,2-Dibromoethane

Concen: 0.912 ug/L

RT: 8.291 min Scan# 2417

Delta R.T. 0.013 min

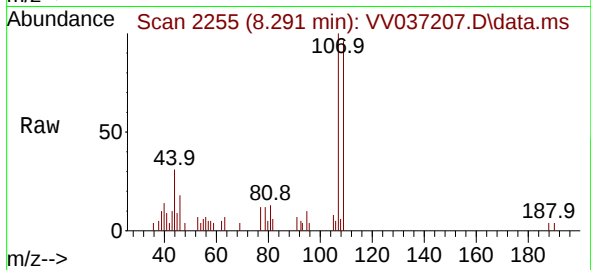
Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :



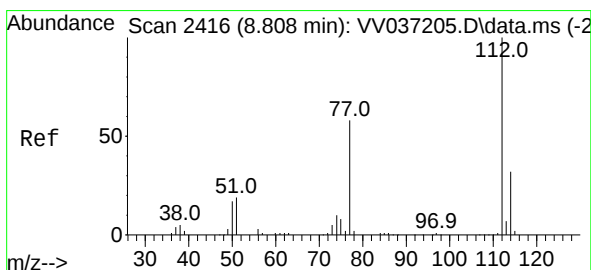
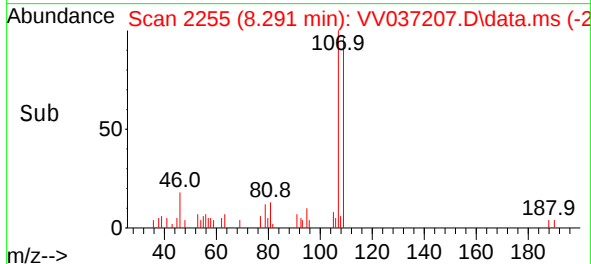
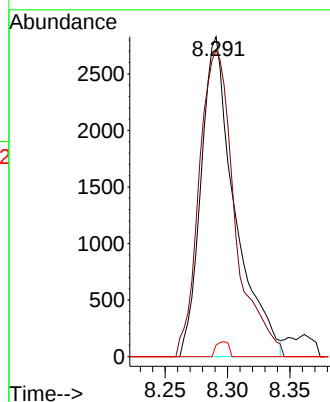
Tgt Ion:107 Resp: 5334

Ion Ratio Lower Upper

107 100

109 95.7 63.5 117.9

188 3.6 2.5 3.7



#51

Chlorobenzene

Concen: 0.975 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.003 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

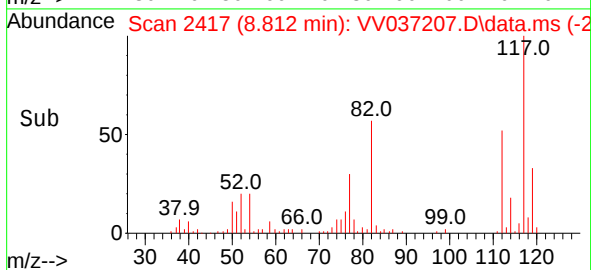
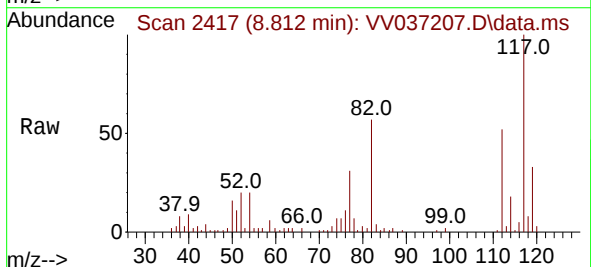
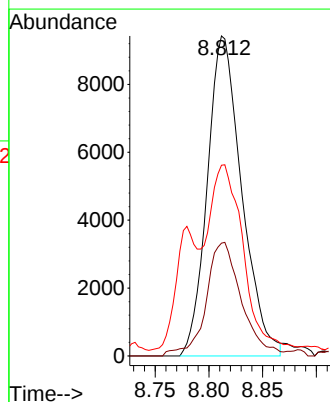
Tgt Ion:112 Resp: 21034

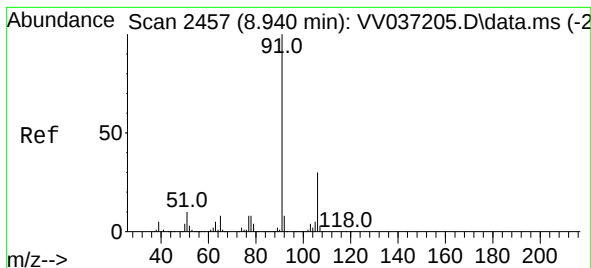
Ion Ratio Lower Upper

112 100

114 35.3 22.4 41.6

77 59.6 47.5 71.3





#52

Ethylbenzene

Concen: 0.929 ug/L

RT: 8.950 min Scan# 2457

Delta R.T. 0.010 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

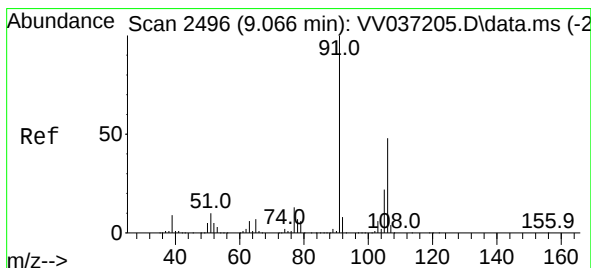
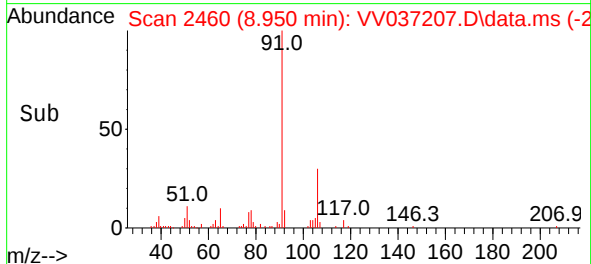
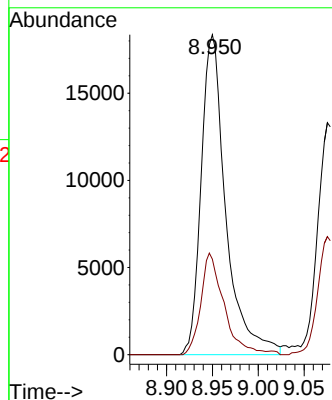
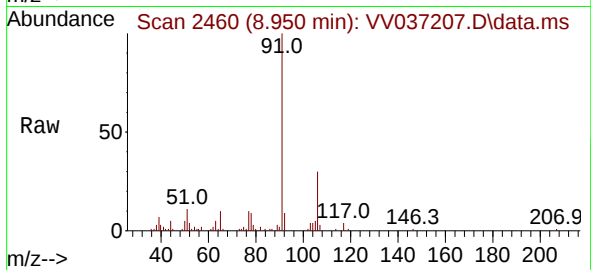
ClientSampleId :

Tgt Ion: 91 Resp: 34297

Ion Ratio Lower Upper

91 100

106 29.8 21.5 39.9



#53

m,p-Xylene

Concen: 0.920 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.010 min

Lab File: VV037207.D

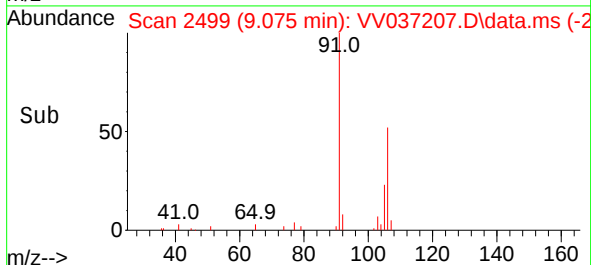
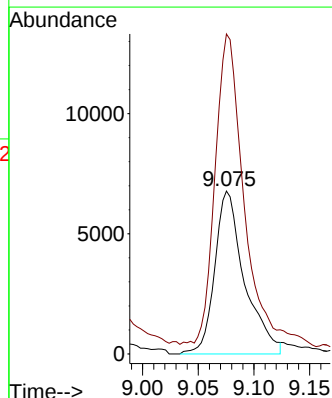
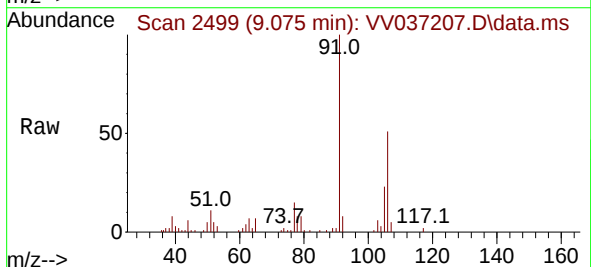
Acq: 05 Sep 2024 10:24

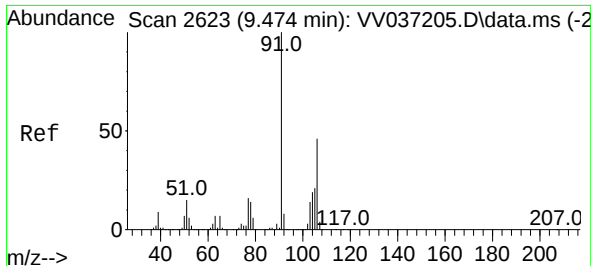
Tgt Ion: 106 Resp: 12596

Ion Ratio Lower Upper

106 100

91 196.4 141.6 263.0





#54

o-Xylene

Concen: 0.851 ug/L

RT: 9.480 min Scan# 2

Delta R.T. 0.006 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

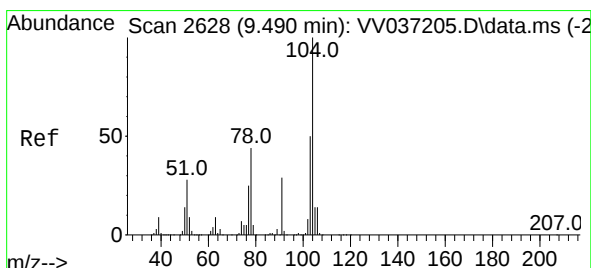
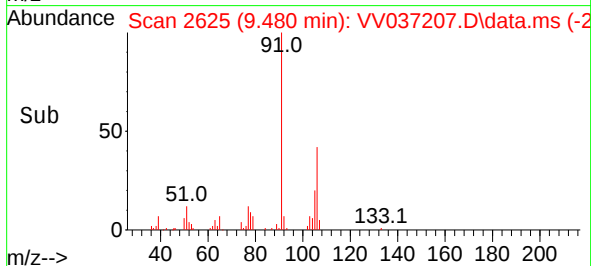
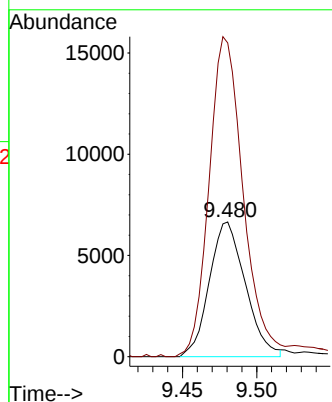
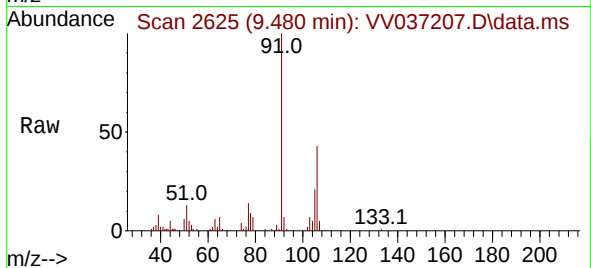
ClientSampleId :

Tgt Ion:106 Resp: 11229

Ion Ratio Lower Upper

106 100

91 233.0 150.4 279.4



#55

Styrene

Concen: 0.702 ug/L

RT: 9.503 min Scan# 2632

Delta R.T. 0.013 min

Lab File: VV037207.D

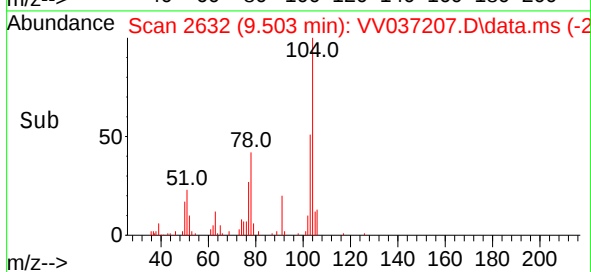
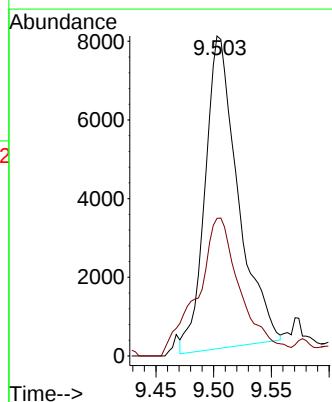
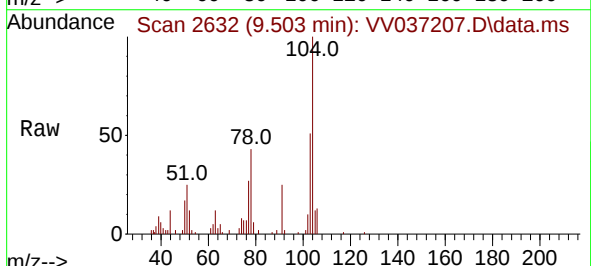
Acq: 05 Sep 2024 10:24

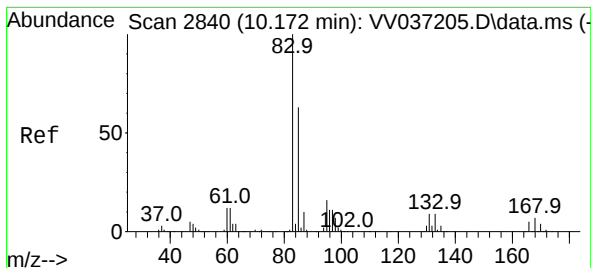
Tgt Ion:104 Resp: 15704

Ion Ratio Lower Upper

104 100

78 43.0 30.6 56.8





#57

1,1,2,2-Tetrachloroethane

Concen: 1.140 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. -0.000 min

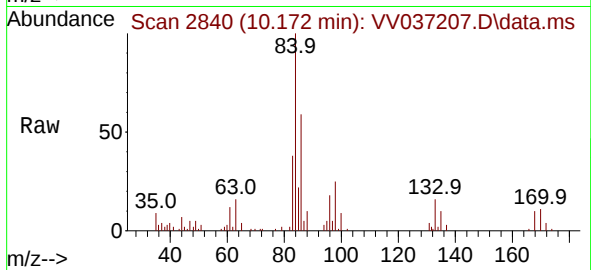
Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

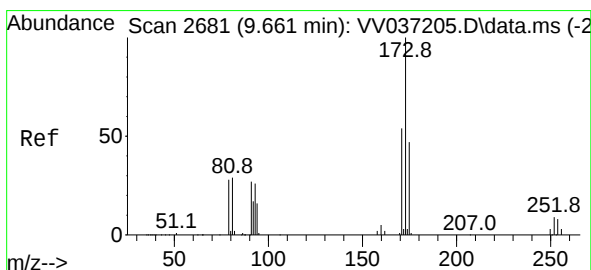
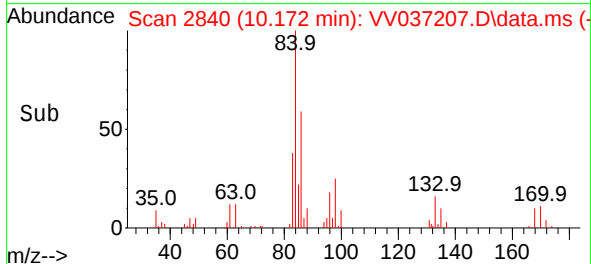
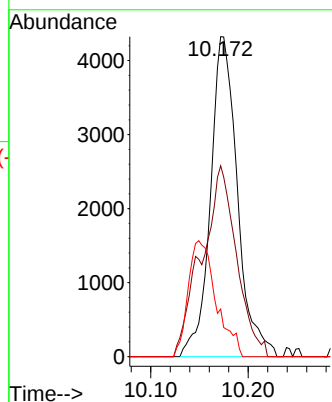
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	83	Resp:	8317
Ion Ratio	Lower	Upper	
83	100		
85	59.7	44.9	83.3
131	14.9	7.1	10.7#



#59

Bromoform

Concen: 0.973 ug/L

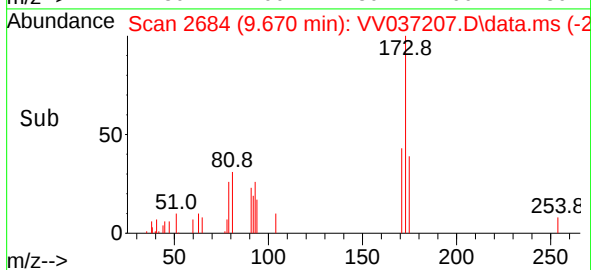
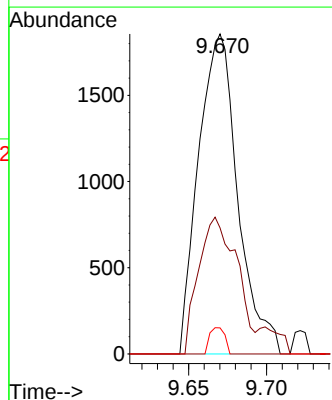
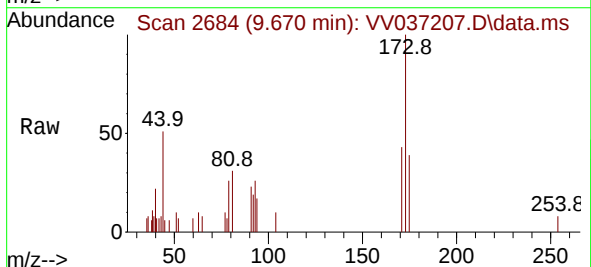
RT: 9.670 min Scan# 2684

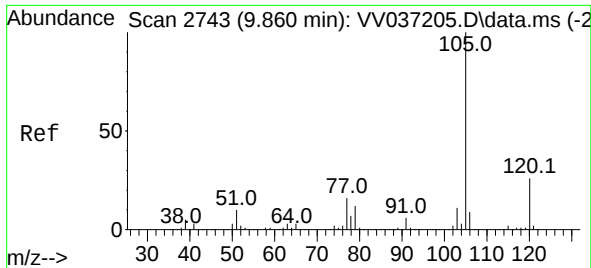
Delta R.T. 0.010 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Tgt Ion:	173	Resp:	3255
Ion Ratio	Lower	Upper	
173	100		
175	41.8	38.6	57.8
254	3.2	6.6	9.8#

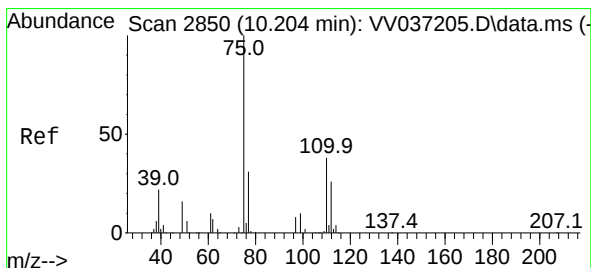
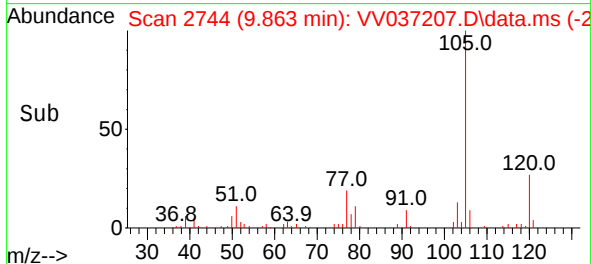
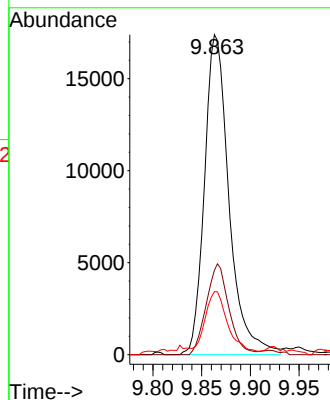
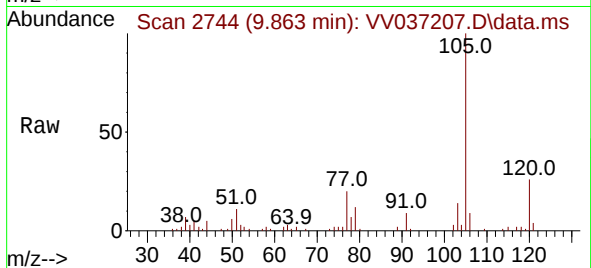




#60
Isopropylbenzene
Concen: 0.892 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

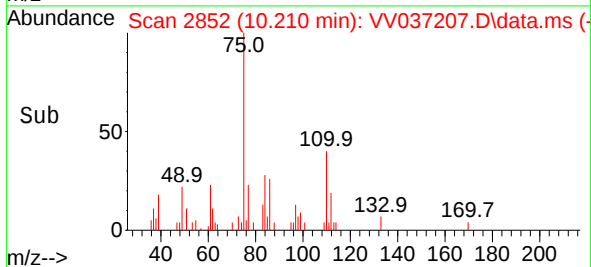
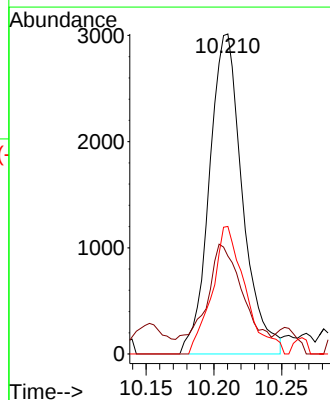
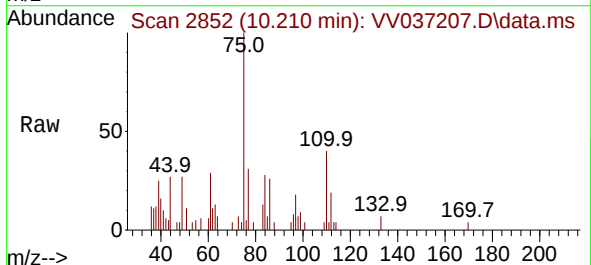
Instrument :
MSVOA_V
ClientSampleId :

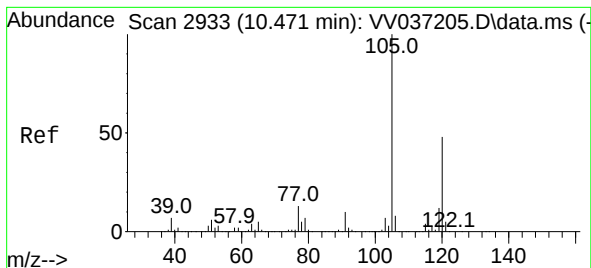
Tgt Ion:105 Resp: 30497
Ion Ratio Lower Upper
105 100
120 26.1 20.6 31.0
77 17.0 12.4 18.6



#61
1,2,3-Trichloropropane
Concen: 1.055 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.006 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Tgt Ion: 75 Resp: 5120
Ion Ratio Lower Upper
75 100
77 34.7 24.6 36.8
110 40.0 30.8 46.2





#62

1,3,5-Trimethylbenzene

Concen: 0.859 ug/L

RT: 10.474 min Scan# 2933

Delta R.T. 0.003 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

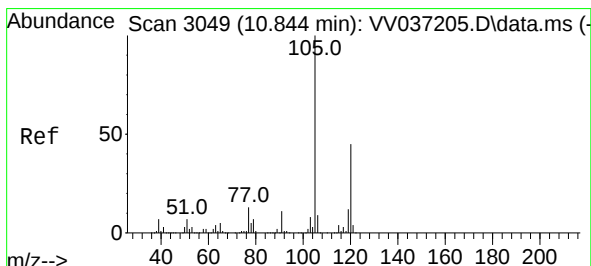
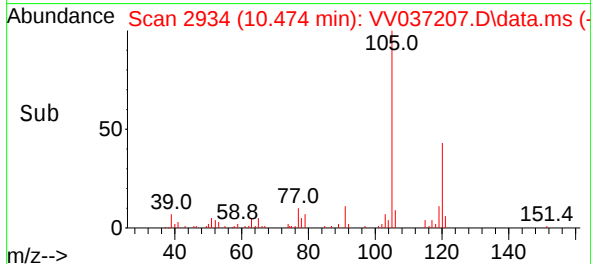
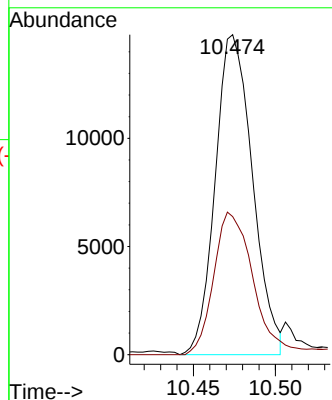
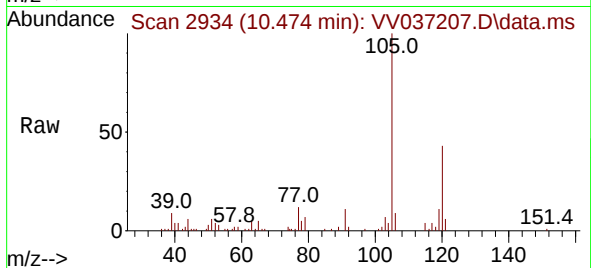
ClientSampleId :

Tgt Ion:105 Resp: 23343

Ion Ratio Lower Upper

105 100

120 47.1 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 0.852 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.006 min

Lab File: VV037207.D

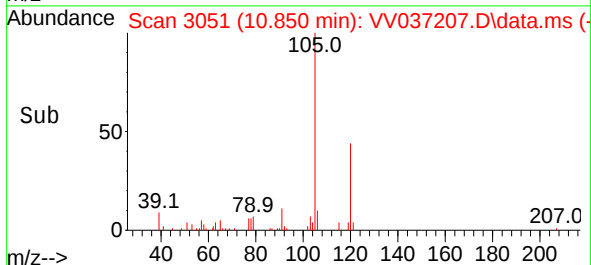
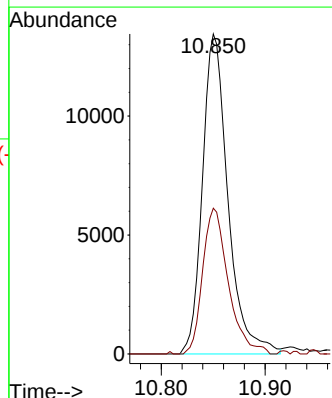
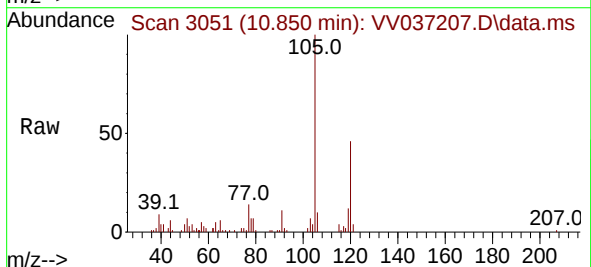
Acq: 05 Sep 2024 10:24

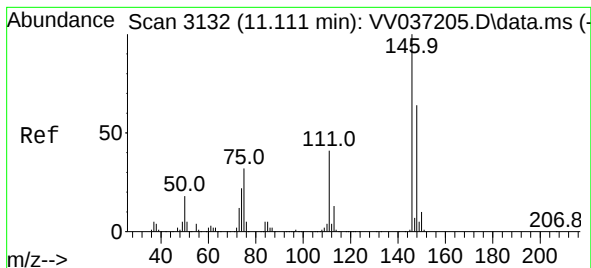
Tgt Ion:105 Resp: 22940

Ion Ratio Lower Upper

105 100

120 45.8 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 0.959 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.010 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :

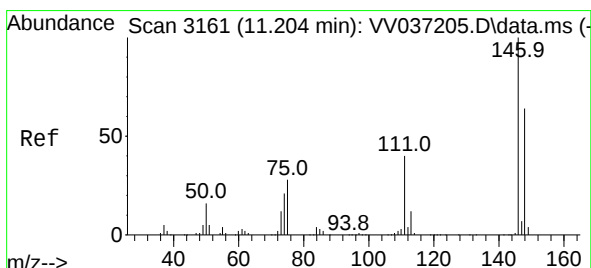
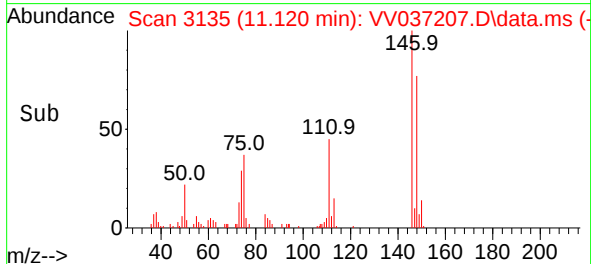
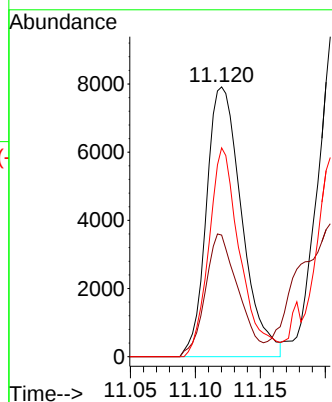
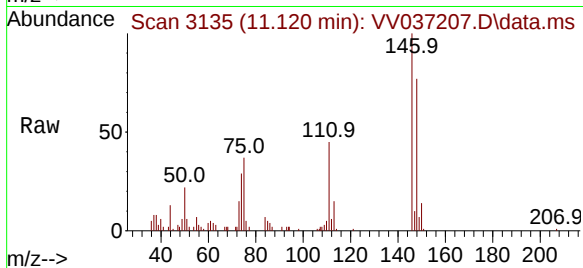
Tgt Ion:146 Resp: 14957

Ion Ratio Lower Upper

146 100

111 45.1 29.7 55.1

148 77.4 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 1.128 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

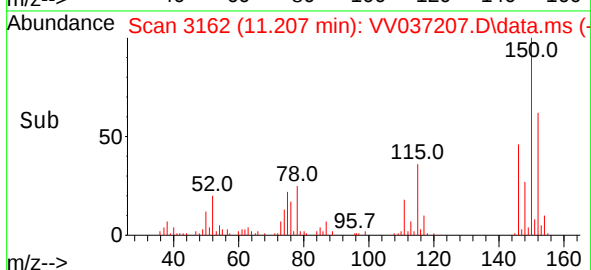
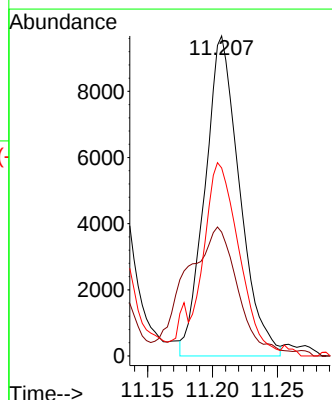
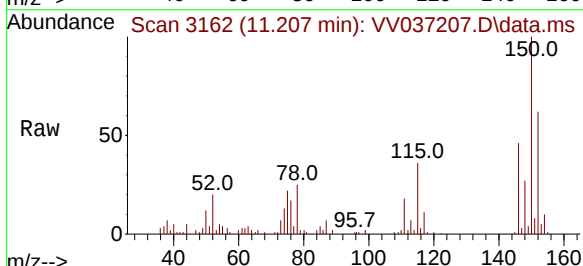
Tgt Ion:146 Resp: 17940

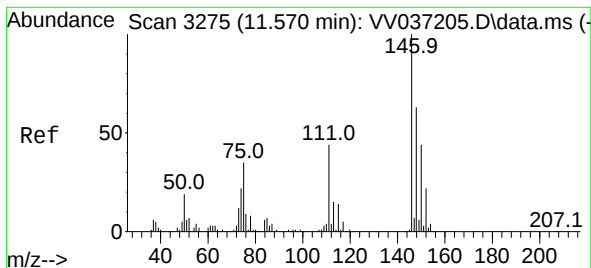
Ion Ratio Lower Upper

146 100

111 38.7 27.6 51.4

148 58.7 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 1.071 ug/L

RT: 11.574 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :

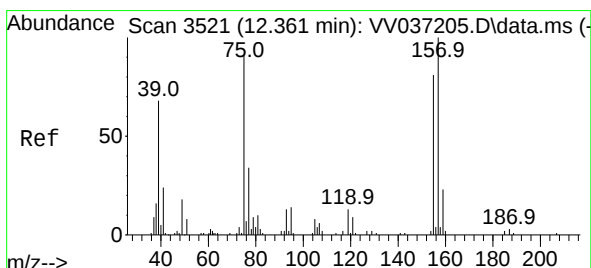
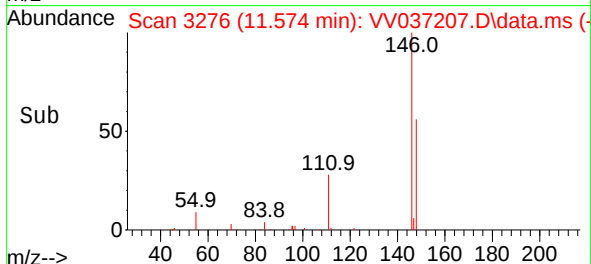
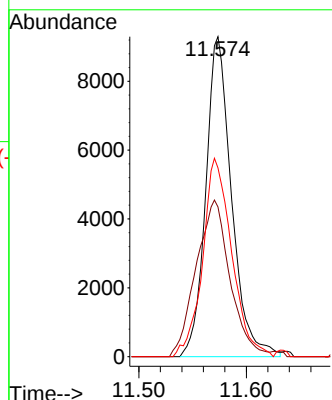
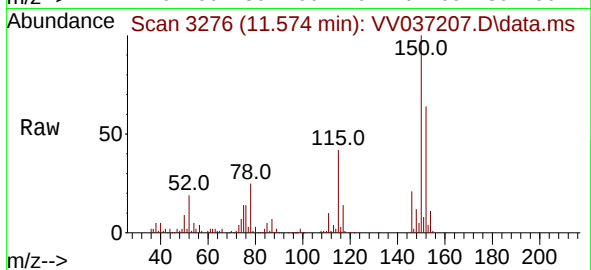
Tgt Ion:146 Resp: 15491

Ion Ratio Lower Upper

146 100

111 46.8 34.1 51.1

148 59.0 51.8 77.6



#68

1,2-Dibromo-3-chloropropane

Concen: 1.137 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.010 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

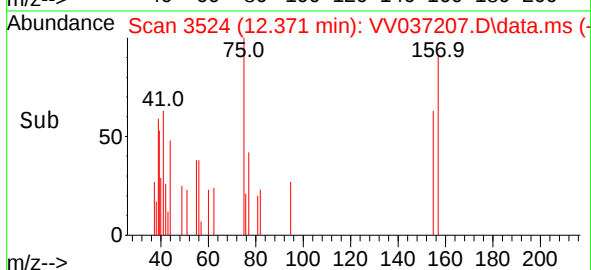
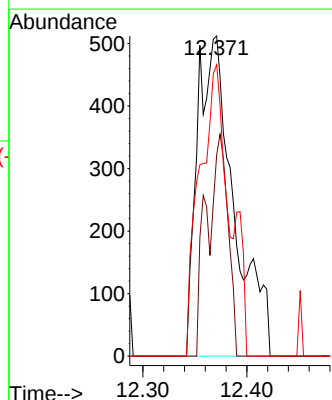
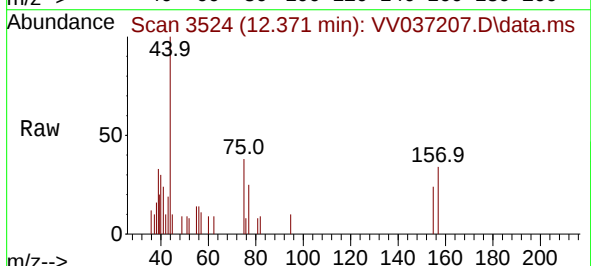
Tgt Ion: 75 Resp: 1245

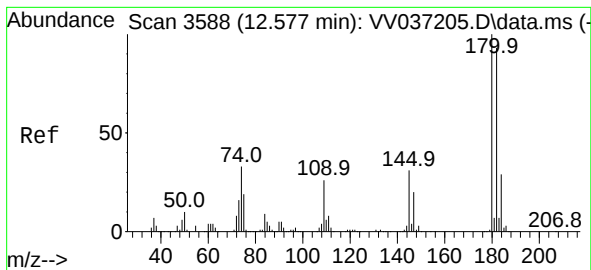
Ion Ratio Lower Upper

75 100

155 62.9 65.6 98.4#

157 91.0 76.9 115.3





#69

1,3,5-Trichlorobenzene

Concen: 1.019 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.006 min

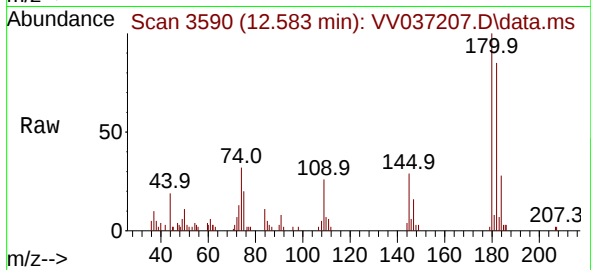
Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 11275

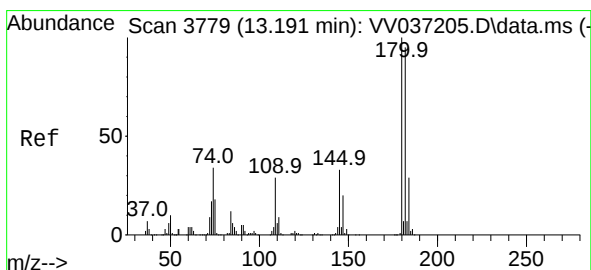
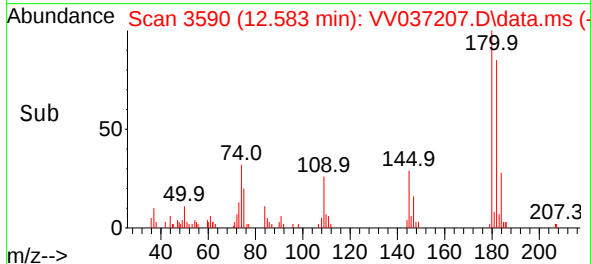
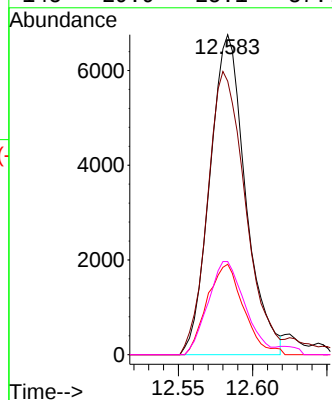
Ion Ratio Lower Upper

180 100

182 93.6 74.6 111.8

184 28.4 23.8 35.8

145 29.9 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 1.054 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.010 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

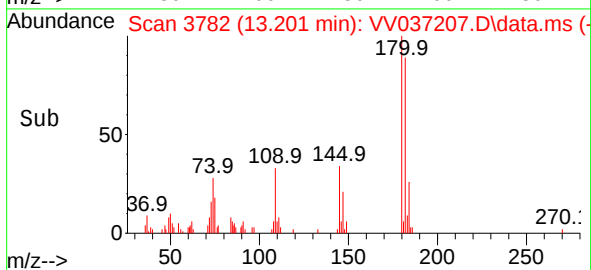
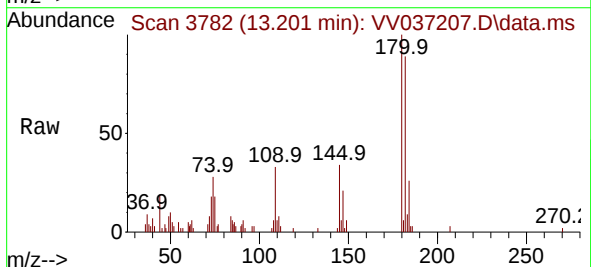
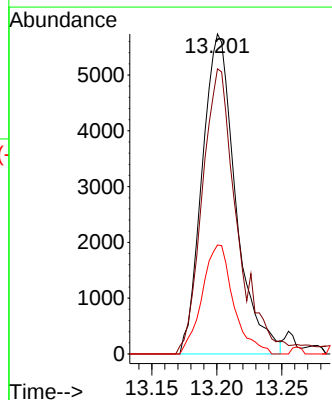
Tgt Ion:180 Resp: 10294

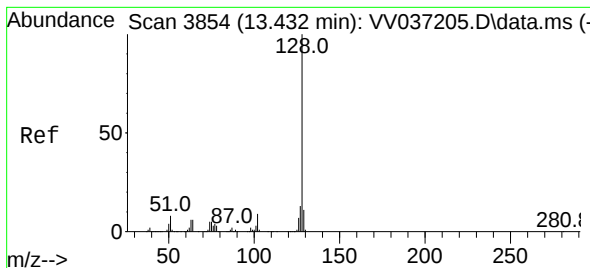
Ion Ratio Lower Upper

180 100

182 82.3 74.9 112.3

145 31.7 25.4 38.0





#71

Naphthalene

Concen: 0.953 ug/L

RT: 13.445 min Scan# 3911

Delta R.T. 0.013 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :

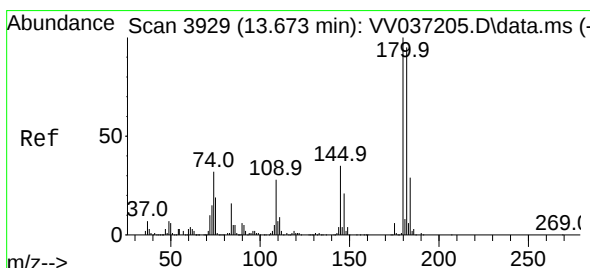
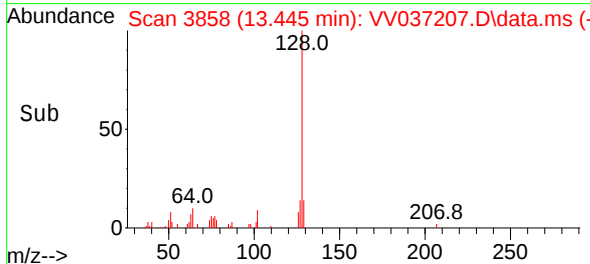
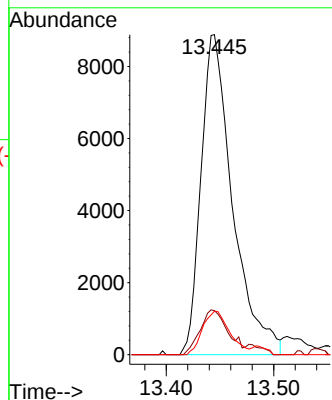
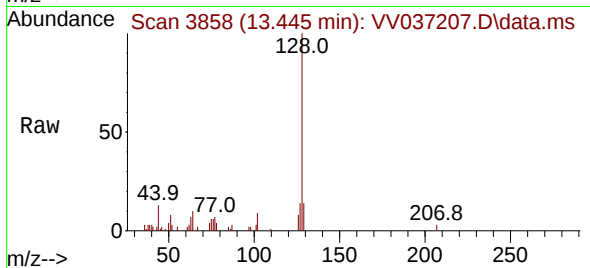
Tgt Ion:128 Resp: 18160

Ion Ratio Lower Upper

128 100

127 11.4 10.5 15.7

129 11.7 8.2 12.2



#72

1,2,3-Trichlorobenzene

Concen: 0.959 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.006 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Tgt Ion:180 Resp: 8600

Ion Ratio Lower Upper

180 100

182 98.6 78.0 117.0

145 39.5 27.9 41.9

