

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091224\
 Data File : VV037254.D
 Acq On : 12 Sep 2024 08:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 13 00:40:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 09 22:02:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	657980	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	638682	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	335122	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	261365	43.424	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.840%
7) Chloroethane-d5	1.532	69	208376	44.795	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.580%
11) 1,1-Dichloroethene-d2	2.056	65	112063	44.298	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.600%
21) 2-Butanone-d5	3.786	46	170778	73.269	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	73.270%
24) Chloroform-d	4.240	84	474959	50.419	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.840%
26) 1,2-Dichloroethane-d4	4.934	65	277910	46.847	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.700%
32) Benzene-d6	4.950	84	918435	47.610	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.220%
36) 1,2-Dichloropropane-d6	5.982	67	291720	48.281	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.560%
41) Toluene-d8	7.236	98	828921	47.612	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.220%
43) trans-1,3-Dichloroprop...	7.545	79	129176	46.211	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.420%
47) 2-Hexanone-d5	8.021	63	125919	76.361	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.360%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	320396	43.723	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.440%
66) 1,2-Dichlorobenzene-d4	11.551	152	307853	45.867	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	272366	48.985	ug/L	99
3) Chloromethane	1.217	50	282839	45.232	ug/L	99
5) Vinyl chloride	1.282	62	292802	49.879	ug/L	98
6) Bromomethane	1.487	94	172939	52.576	ug/L	98
8) Chloroethane	1.548	64	184810	51.470	ug/L	100
9) Trichlorofluoromethane	1.712	101	397496	51.888	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	244267	53.610	ug/L	99
12) 1,1-Dichloroethene	2.069	96	217139	50.583	ug/L	97
13) Acetone	2.108	43	207170	82.876	ug/L	100
14) Carbon disulfide	2.237	76	633502	48.612	ug/L	99
15) Methyl Acetate	2.368	43	190227	45.391	ug/L	99
16) Methylene chloride	2.442	84	252374	52.107	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	230989	51.833	ug/L	99
18) Methyl tert-butyl Ether	2.700	73	694080	49.512	ug/L	99
19) 1,1-Dichloroethane	3.101	63	465450	52.593	ug/L	99
20) cis-1,2-Dichloroethene	3.802	96	261365	53.077	ug/L	98
22) 2-Butanone	3.867	43	227880	82.797	ug/L	100
23) Bromochloromethane	4.137	128	130696	54.068	ug/L	96
25) Chloroform	4.265	83	467348	52.143	ug/L	98

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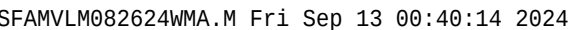
Instrument :
 MSVOA_V
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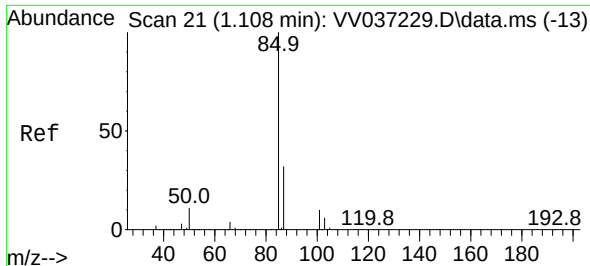
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.031	62	346542	52.709	ug/L	98
29) Cyclohexane	4.571	56	378557	50.410	ug/L	98
30) 1,1,1-Trichloroethane	4.500	97	393083	53.489	ug/L	99
31) Carbon tetrachloride	4.722	117	339138	54.690	ug/L	99
33) Benzene	4.998	78	995260	53.997	ug/L	100
34) Trichloroethene	5.825	95	264925	54.456	ug/L	99
35) Methylcyclohexane	6.040	83	404468	51.171	ug/L	100
37) 1,2-Dichloropropane	6.085	63	263382	53.301	ug/L	100
38) Bromodichloromethane	6.426	83	343914	54.302	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	417967	53.599	ug/L	98
40) 4-Methyl-2-pentanone	7.153	43	439974	87.580	ug/L	99
42) Toluene	7.307	91	1049398	54.682	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	362913	52.067	ug/L	98
45) 1,1,2-Trichloroethane	7.760	97	241998	52.609	ug/L	99
46) Tetrachloroethene	7.899	164	189368	54.250	ug/L	98
48) 2-Hexanone	8.072	43	325505	83.781	ug/L	99
49) Dibromochloromethane	8.169	129	250573	54.402	ug/L	99
50) 1,2-Dibromoethane	8.275	107	244767	52.585	ug/L	96
51) Chlorobenzene	8.805	112	682785	53.741	ug/L	99
52) Ethylbenzene	8.937	91	1182203	54.537	ug/L	99
53) m,p-Xylene	9.066	106	440914	54.898	ug/L	99
54) o-Xylene	9.471	106	424222	53.946	ug/L	99
55) Styrene	9.487	104	761711	55.823	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.169	83	327141	48.019	ug/L	98
59) Bromoform	9.657	173	157001	50.311	ug/L	99
60) Isopropylbenzene	9.860	105	1167763	53.750	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	240992	46.227	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	947795	53.322	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	944352	53.237	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	531716	53.001	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	544098	52.991	ug/L	99
67) 1,2-Dichlorobenzene	11.571	146	514514	52.160	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.355	75	55354	42.577	ug/L	96
69) 1,3,5-Trichlorobenzene	12.574	180	364779	52.257	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	331562	50.442	ug/L	100
71) Naphthalene	13.432	128	807784	42.559	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	319453	49.317	ug/L	98

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

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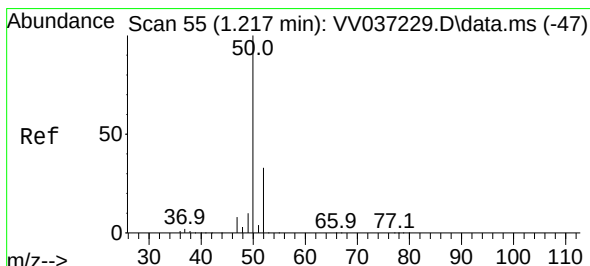
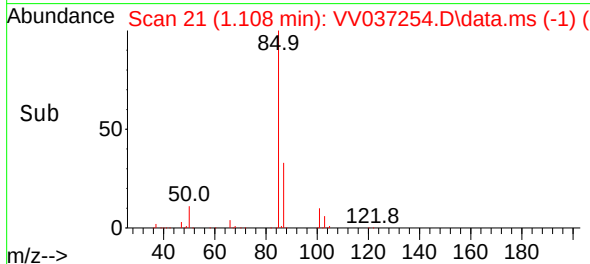
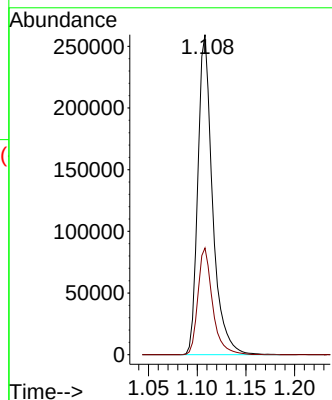
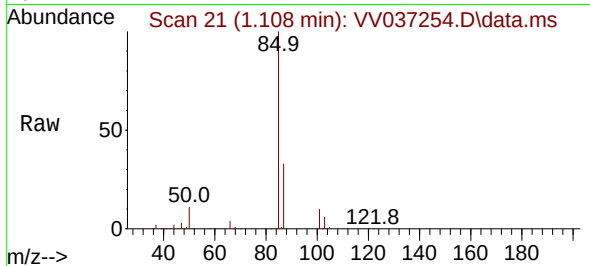




#2
 Dichlorodifluoromethane
 Concen: 48.985 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV037254.D
 Acq: 12 Sep 2024 08:53

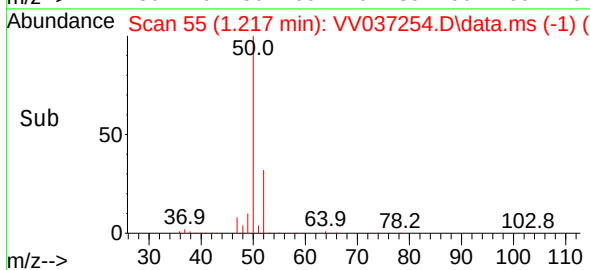
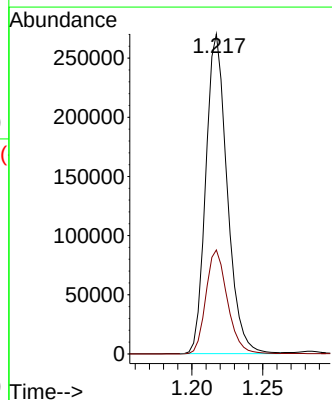
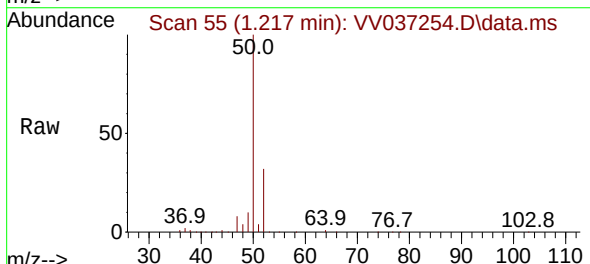
Instrument :
 MSVOA_V
 ClientSampleId :

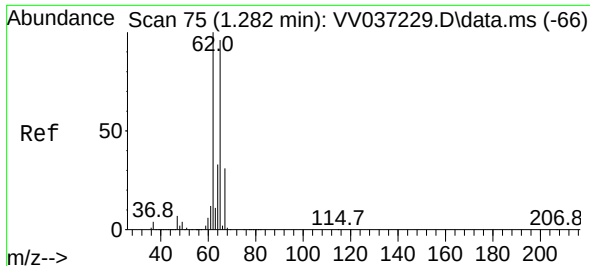
Tgt Ion: 85 Resp: 272366
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.9 38.9



#3
 Chloromethane
 Concen: 45.232 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV037254.D
 Acq: 12 Sep 2024 08:53

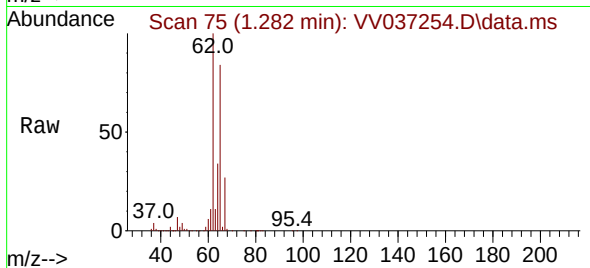
Tgt Ion: 50 Resp: 282839
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.5 41.9



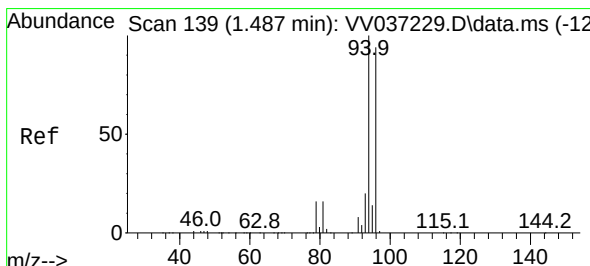
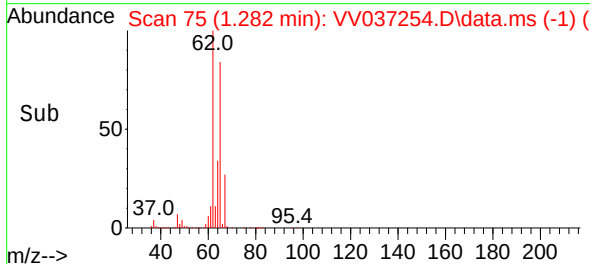
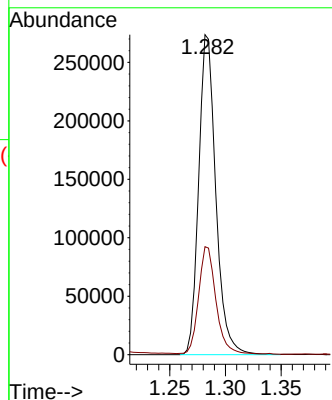


#5
 Vinyl chloride
 Concen: 49.879 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV037254.D
 Acq: 12 Sep 2024 08:53

Instrument :
 MSVOA_V
 ClientSampleId :

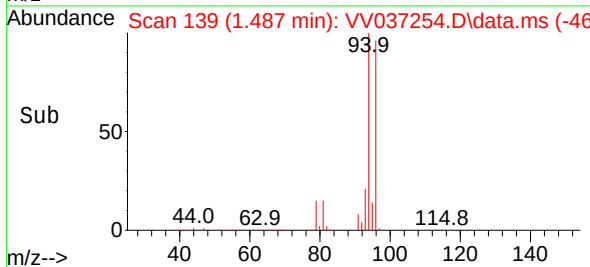
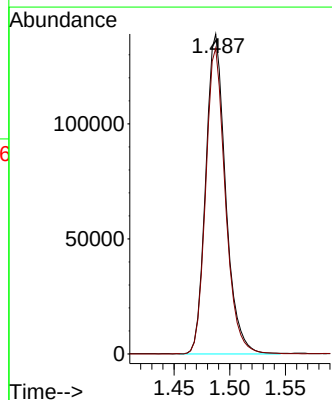
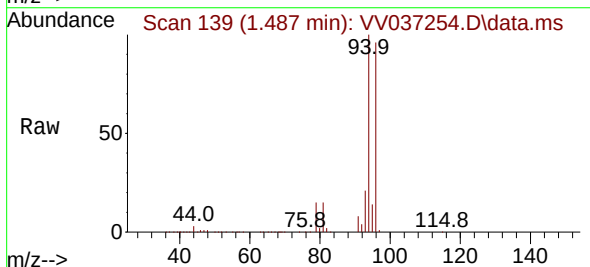


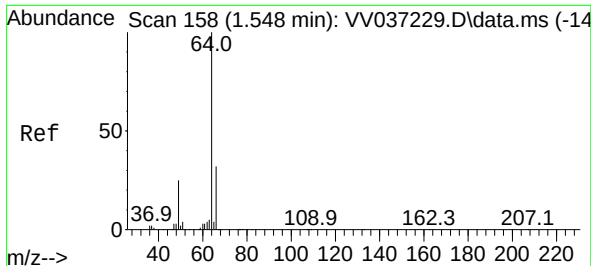
Tgt Ion: 62 Resp: 292802
 Ion Ratio Lower Upper
 62 100
 64 33.7 22.8 42.4



#6
 Bromomethane
 Concen: 52.576 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV037254.D
 Acq: 12 Sep 2024 08:53

Tgt Ion: 94 Resp: 172939
 Ion Ratio Lower Upper
 94 100
 96 95.5 65.6 121.8





#8

Chloroethane

Concen: 51.470 ug/L

RT: 1.548 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

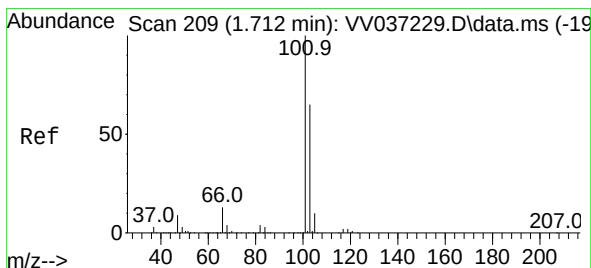
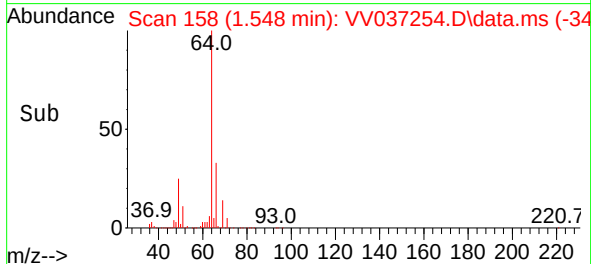
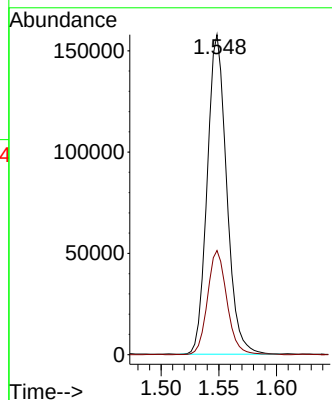
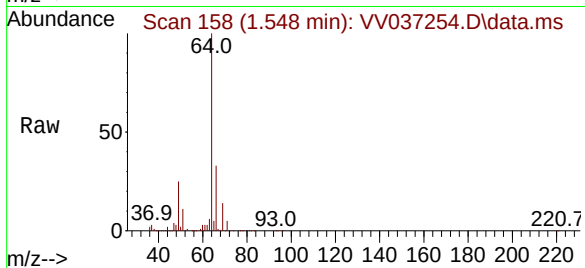
ClientSampleId :

Tgt Ion: 64 Resp: 184810

Ion Ratio Lower Upper

64 100

66 32.6 22.8 42.4



#9

Trichlorofluoromethane

Concen: 51.888 ug/L

RT: 1.712 min Scan# 209

Delta R.T. -0.000 min

Lab File: VV037254.D

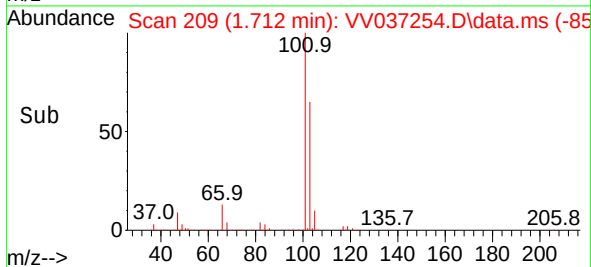
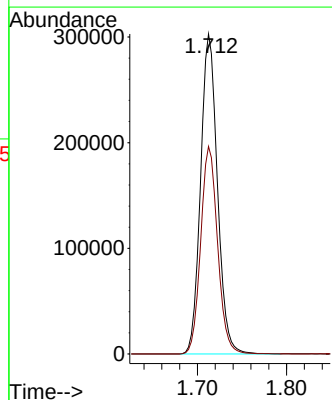
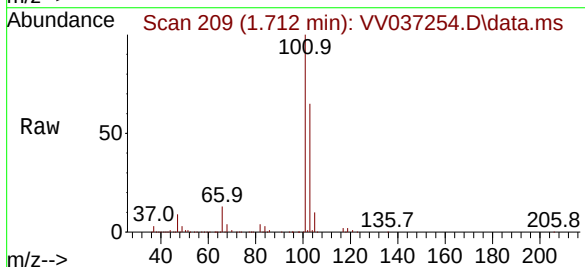
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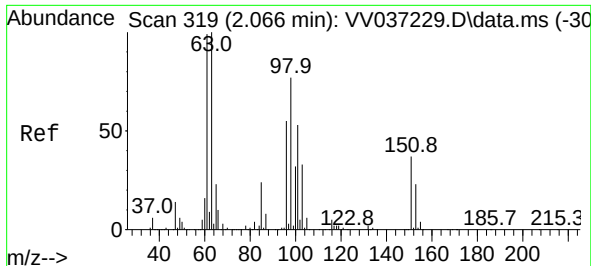
Tgt Ion:101 Resp: 397496

Ion Ratio Lower Upper

101 100

103 65.0 51.7 77.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 53.610 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

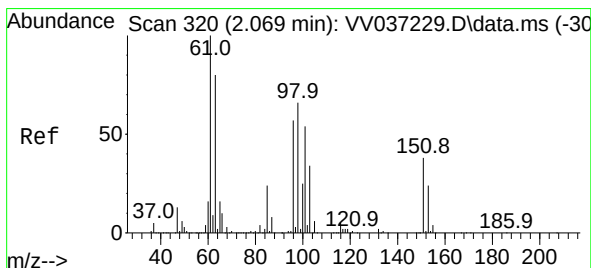
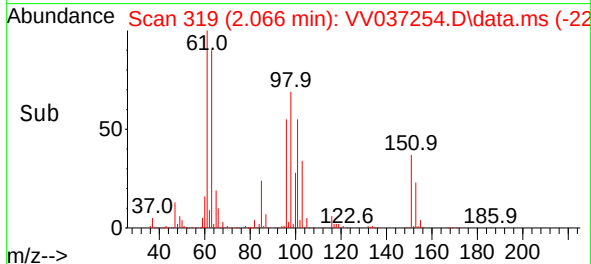
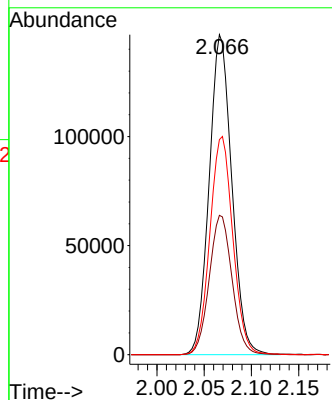
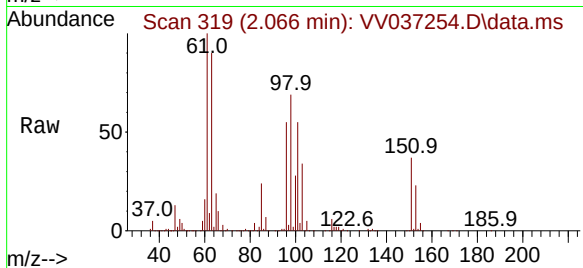
Tgt Ion:101 Resp: 244267

Ion Ratio Lower Upper

101 100

85 43.8 35.6 53.4

151 69.2 55.0 82.4



#12

1,1-Dichloroethene

Concen: 50.583 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

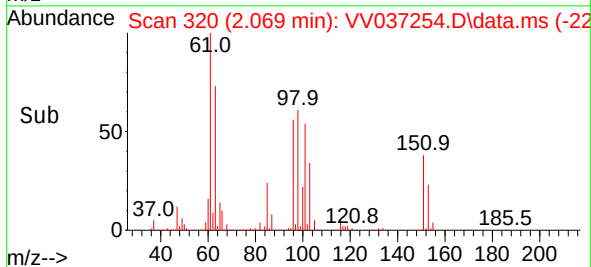
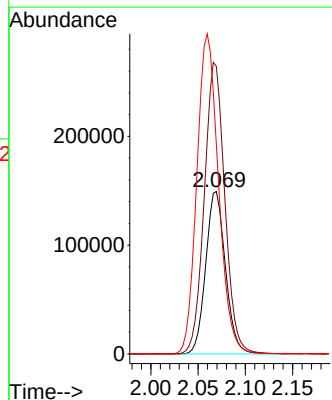
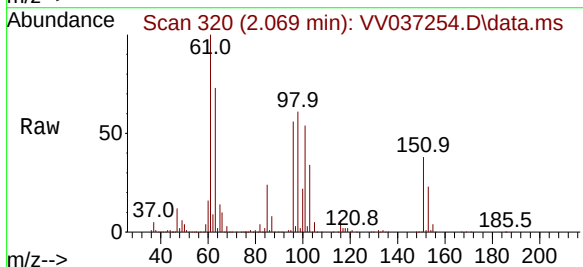
Tgt Ion: 96 Resp: 217139

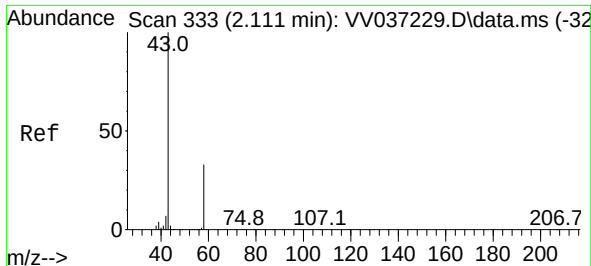
Ion Ratio Lower Upper

96 100

61 177.1 123.8 229.8

63 128.8 96.5 179.1





#13

Acetone

Concen: 82.876 ug/L

RT: 2.108 min Scan# 34

Delta R.T. -0.003 min

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Instrument :

MSVOA_V

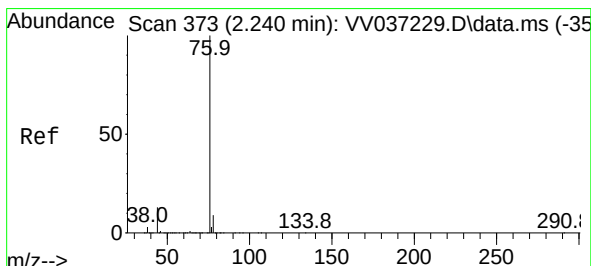
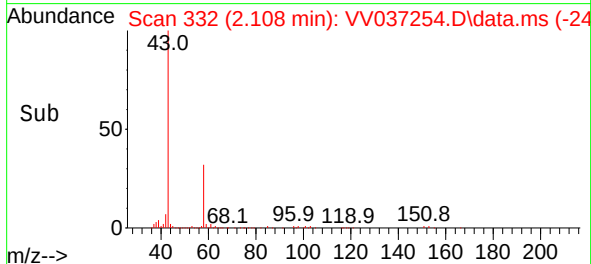
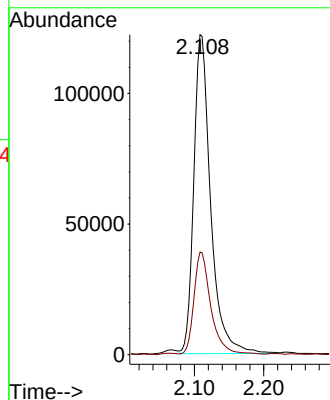
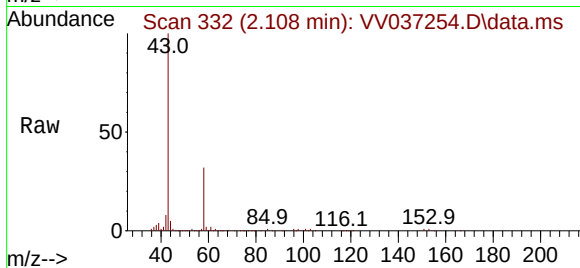
ClientSampleId :

Tgt Ion: 43 Resp: 207170

Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.8



#14

Carbon disulfide

Concen: 48.612 ug/L

RT: 2.237 min Scan# 372

Delta R.T. -0.003 min

Lab File: VV037254.D

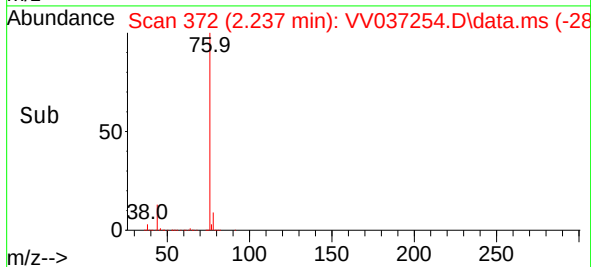
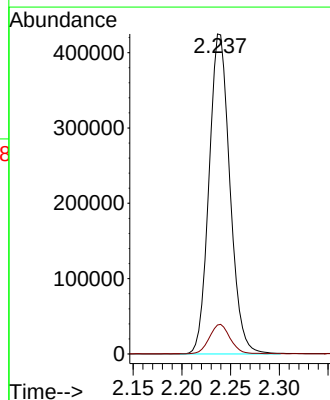
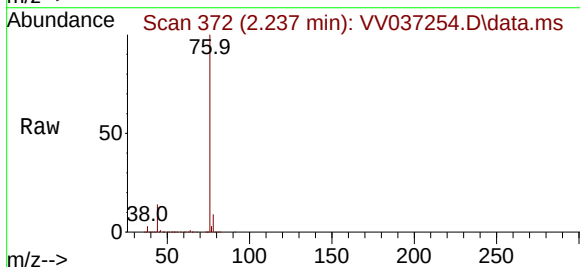
Acq: 12 Sep 2024 08:53

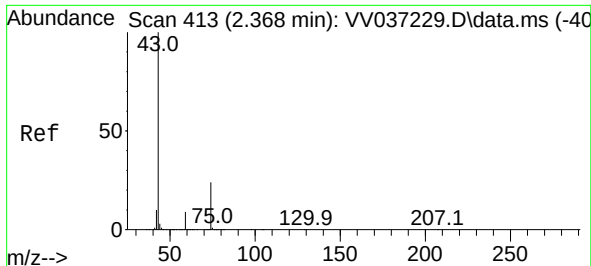
Tgt Ion: 76 Resp: 633502

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

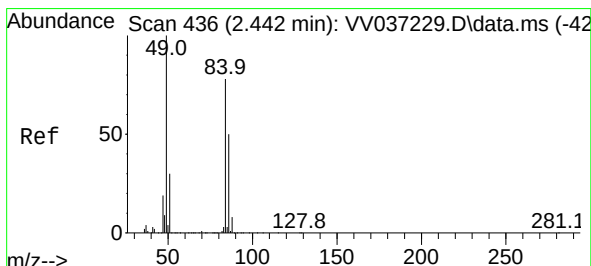
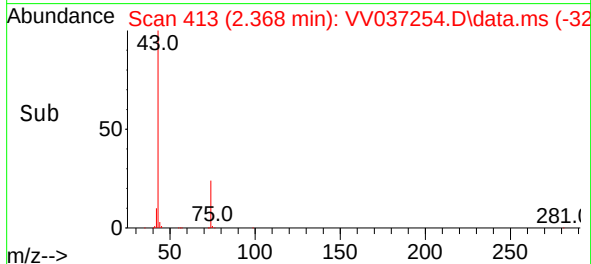
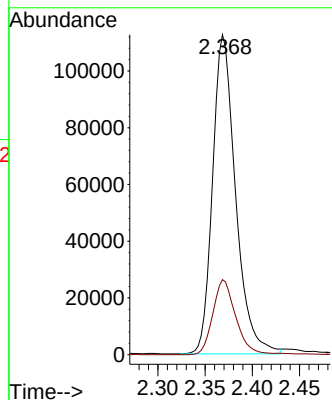
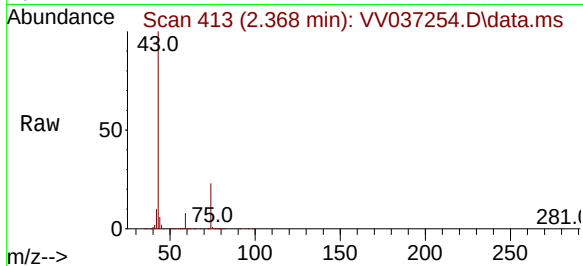




#15
Methyl Acetate
Concen: 45.391 ug/L
RT: 2.368 min Scan# 413
Delta R.T. -0.000 min
Lab File: VV037254.D
Acq: 12 Sep 2024 08:53

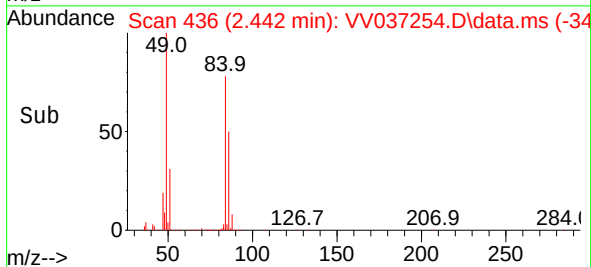
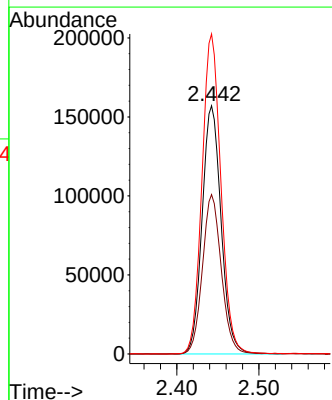
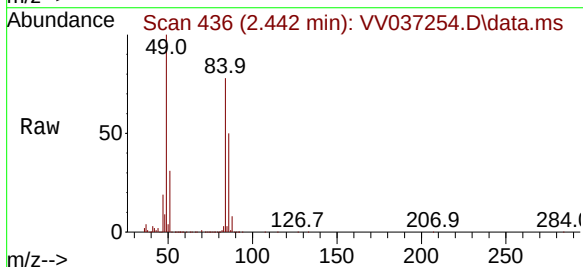
Instrument :
MSVOA_V
ClientSampleId :

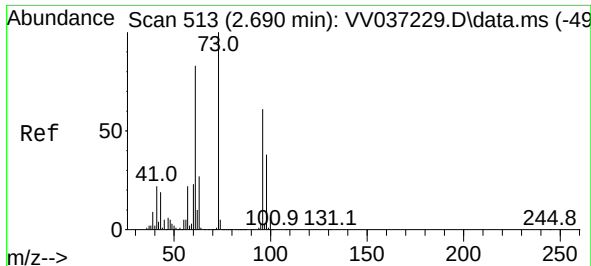
Tgt Ion: 43 Resp: 190227
Ion Ratio Lower Upper
43 100
74 23.3 18.4 27.6



#16
Methylene chloride
Concen: 52.107 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.000 min
Lab File: VV037254.D
Acq: 12 Sep 2024 08:53

Tgt Ion: 84 Resp: 252374
Ion Ratio Lower Upper
84 100
86 64.2 44.7 82.9
49 128.9 91.4 169.8





#17

trans-1,2-Dichloroethene

Concen: 51.833 ug/L

RT: 2.687 min Scan# 512

Delta R.T. -0.003 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

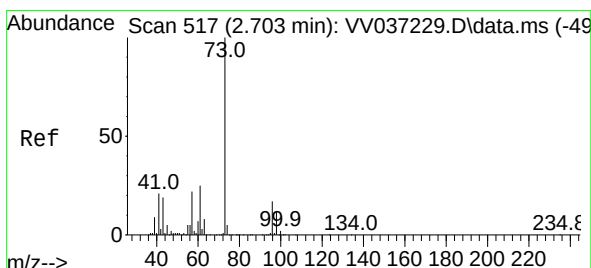
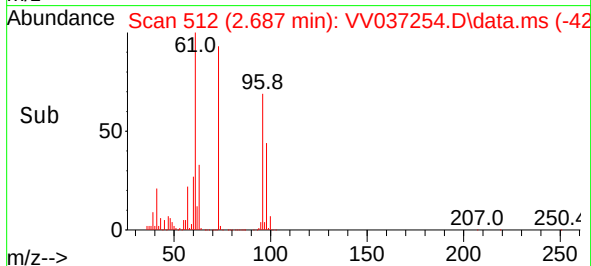
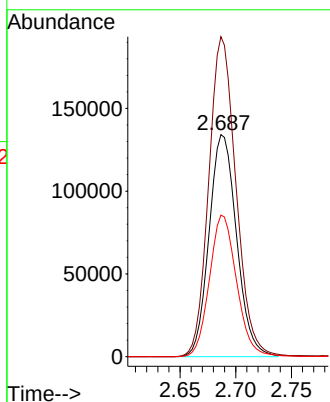
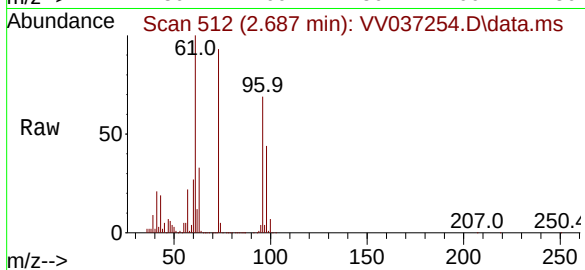
Tgt Ion: 96 Resp: 230989

Ion Ratio Lower Upper

96 100

61 144.1 102.3 189.9

98 63.8 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 49.512 ug/L

RT: 2.700 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

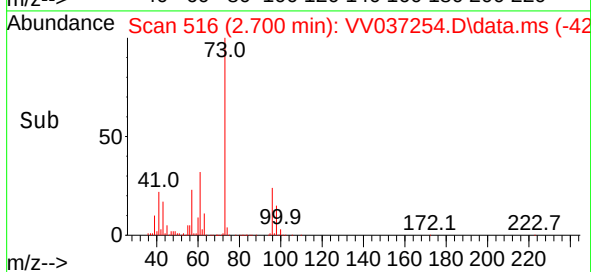
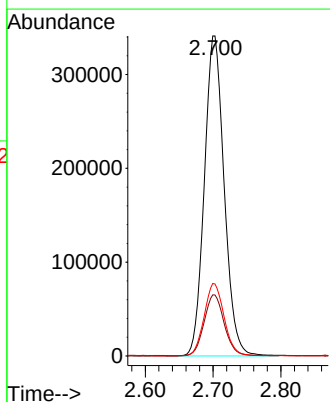
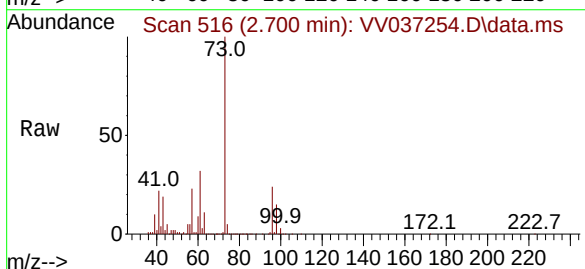
Tgt Ion: 73 Resp: 694080

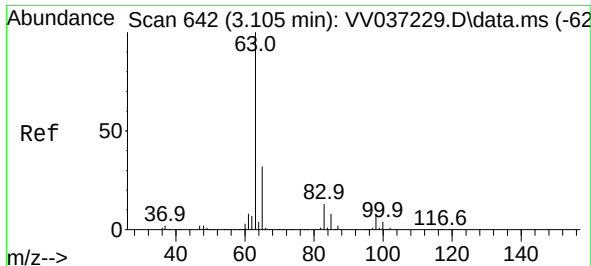
Ion Ratio Lower Upper

73 100

43 19.2 15.8 23.6

57 22.9 18.1 27.1





#19

1,1-Dichloroethane

Concen: 52.593 ug/L

RT: 3.101 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

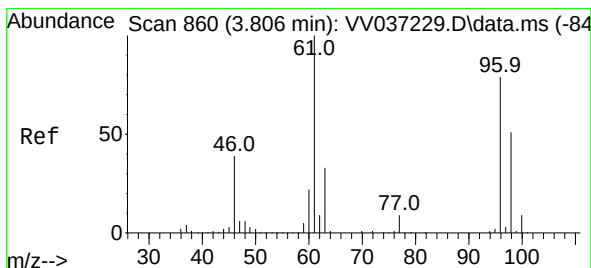
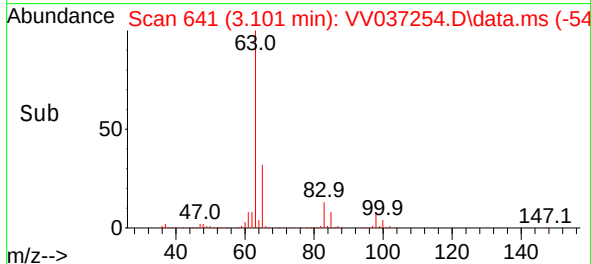
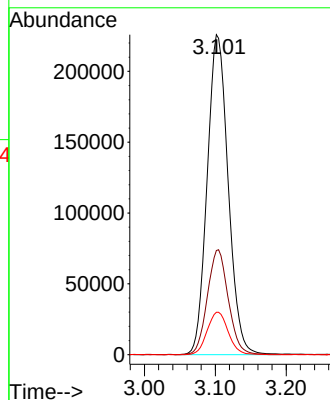
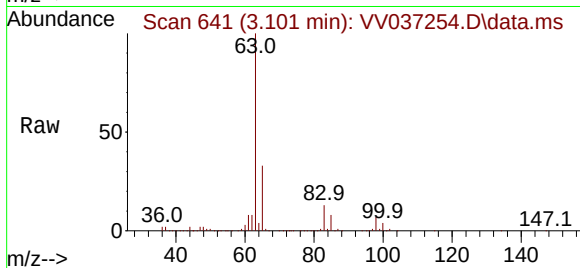
Tgt Ion: 63 Resp: 465450

Ion Ratio Lower Upper

63 100

65 32.6 22.0 41.0

83 13.3 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 53.077 ug/L

RT: 3.802 min Scan# 859

Delta R.T. -0.003 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

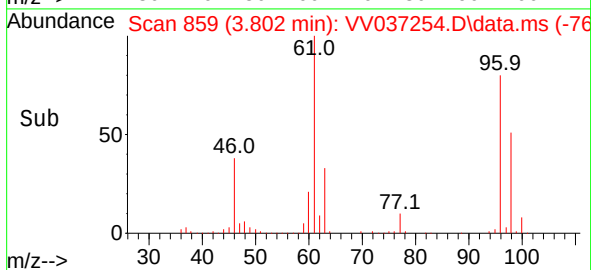
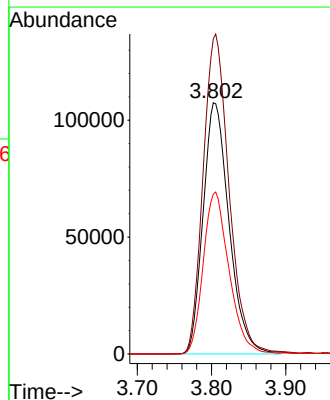
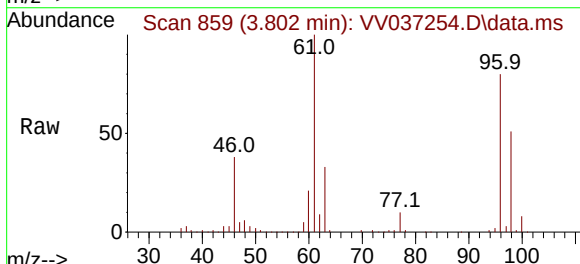
Tgt Ion: 96 Resp: 261365

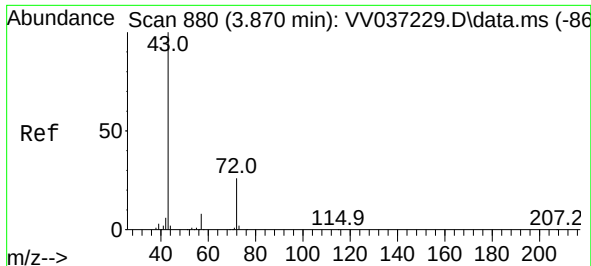
Ion Ratio Lower Upper

96 100

61 125.5 89.9 166.9

98 63.7 44.8 83.2

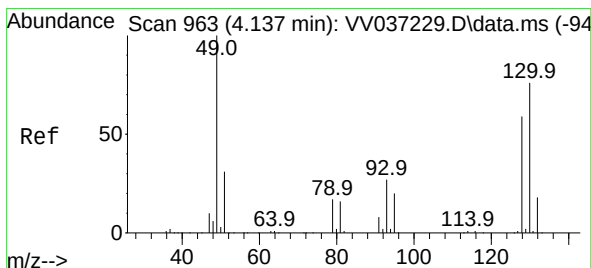
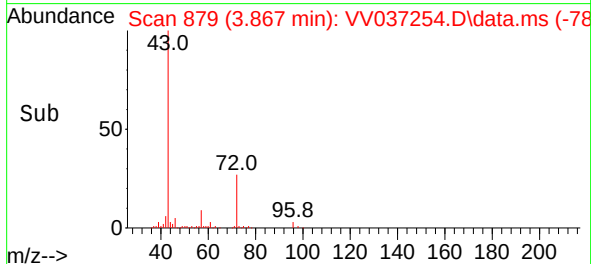
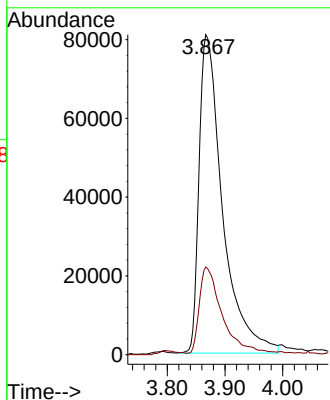
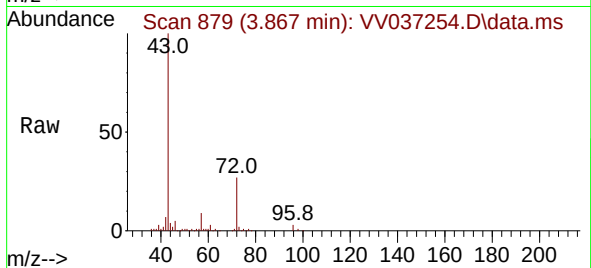




#22
2-Butanone
Concen: 82.797 ug/L
RT: 3.867 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV037254.D
Acq: 12 Sep 2024 08:53

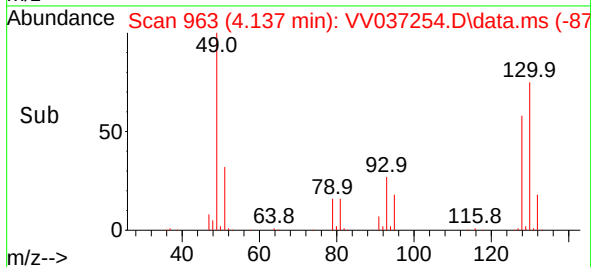
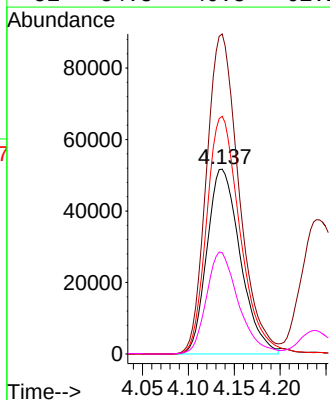
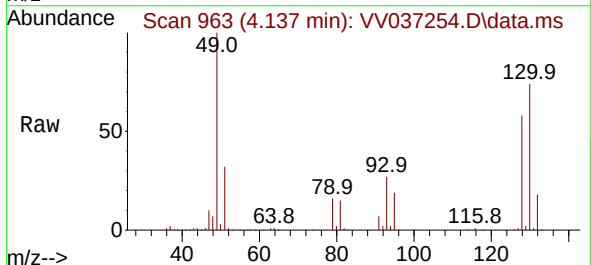
Instrument :
MSVOA_V
ClientSampleId :

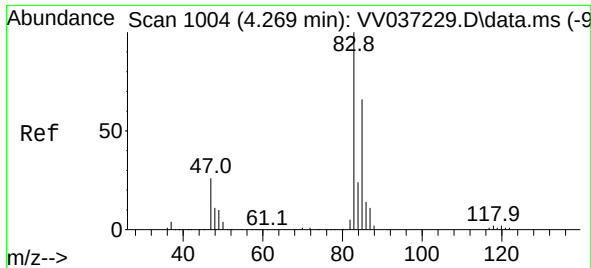
Tgt Ion: 43 Resp: 227880
Ion Ratio Lower Upper
43 100
72 25.5 12.7 38.0



#23
Bromochloromethane
Concen: 54.068 ug/L
RT: 4.137 min Scan# 963
Delta R.T. -0.000 min
Lab File: VV037254.D
Acq: 12 Sep 2024 08:53

Tgt Ion:128 Resp: 130696
Ion Ratio Lower Upper
128 100
49 173.2 117.2 217.6
130 128.6 87.6 162.8
51 54.8 40.8 61.2





#25

Chloroform

Concen: 52.143 ug/L

RT: 4.265 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

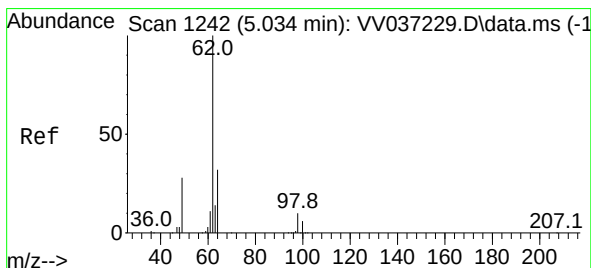
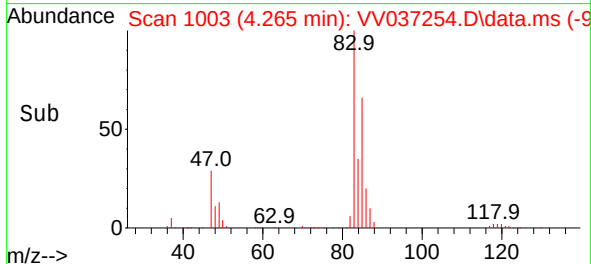
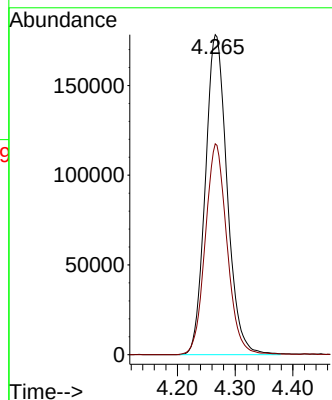
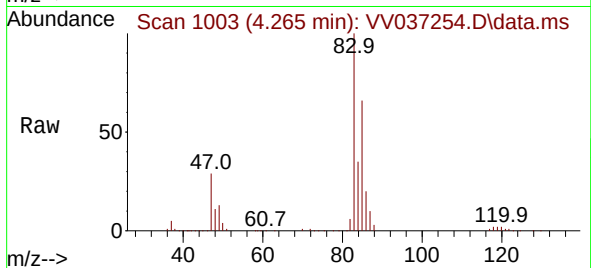
ClientSampleId :

Tgt Ion: 83 Resp: 467348

Ion Ratio Lower Upper

83 100

85 65.9 45.1 83.7



#27

1,2-Dichloroethane

Concen: 52.709 ug/L

RT: 5.031 min Scan# 1241

Delta R.T. -0.003 min

Lab File: VV037254.D

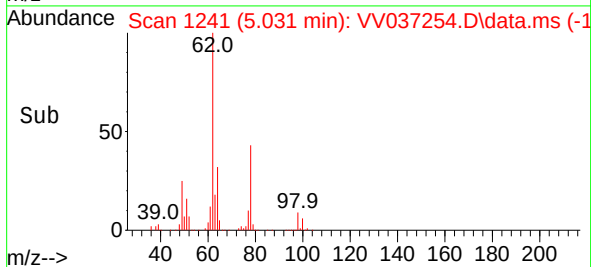
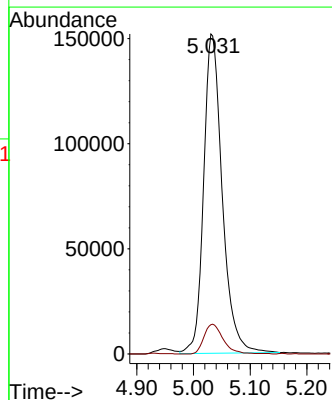
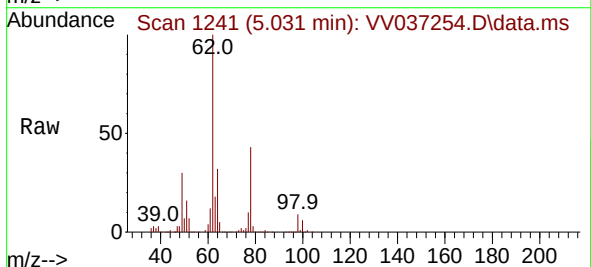
Acq: 12 Sep 2024 08:53

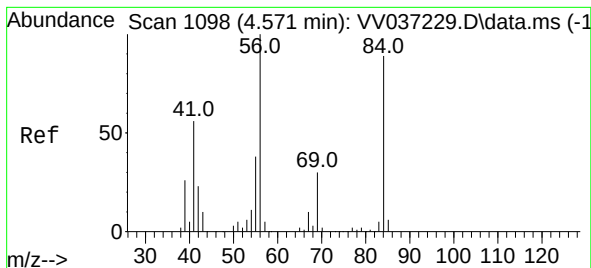
Tgt Ion: 62 Resp: 346542

Ion Ratio Lower Upper

62 100

98 9.2 8.0 12.0





#29

Cyclohexane

Concen: 50.410 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

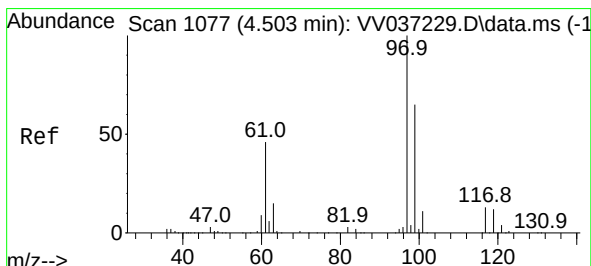
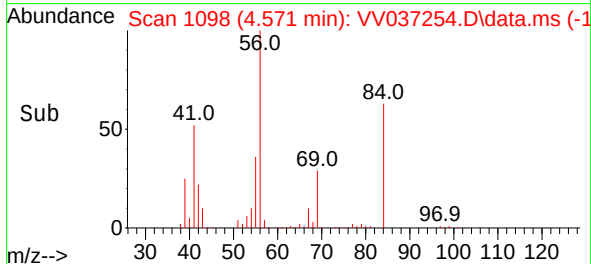
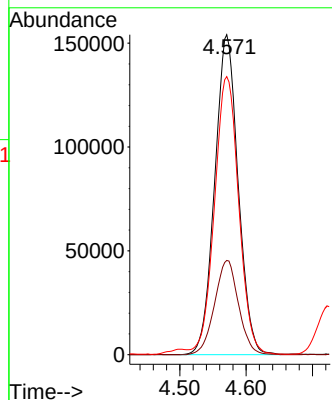
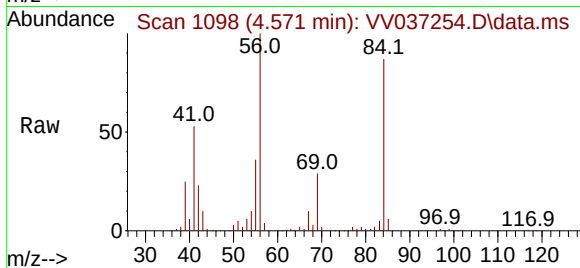
Tgt Ion: 56 Resp: 378557

Ion Ratio Lower Upper

56 100

69 30.1 24.2 36.4

84 89.4 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 53.489 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. -0.003 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

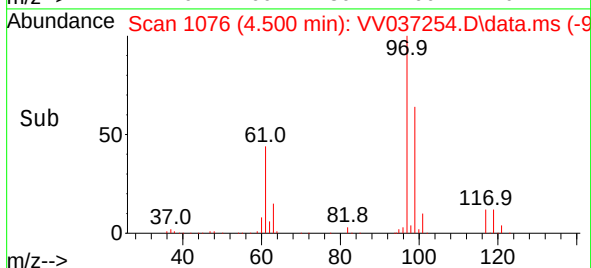
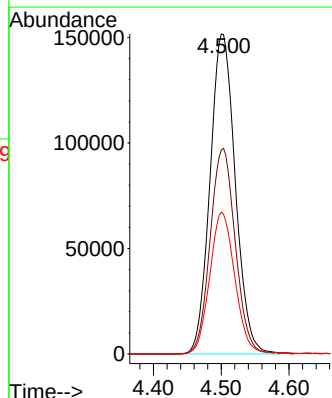
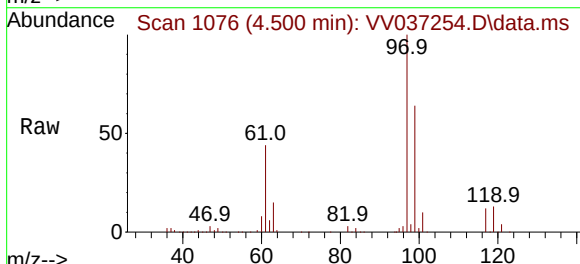
Tgt Ion: 97 Resp: 393083

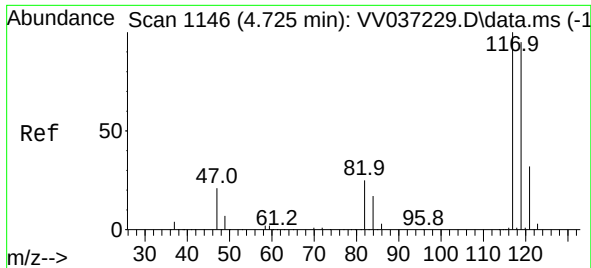
Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

61 44.0 35.8 53.6

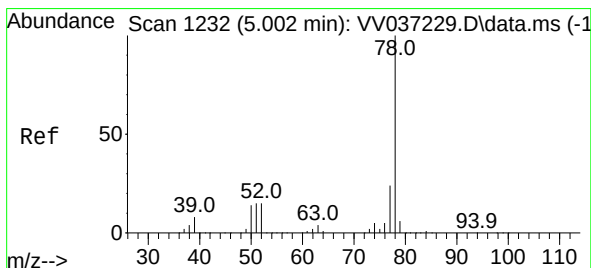
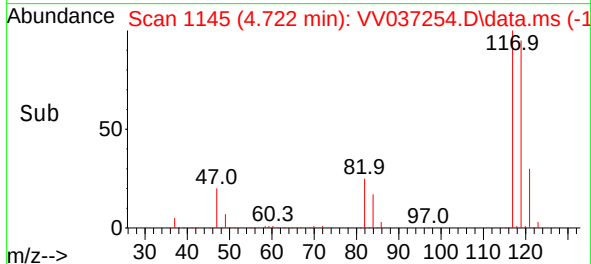
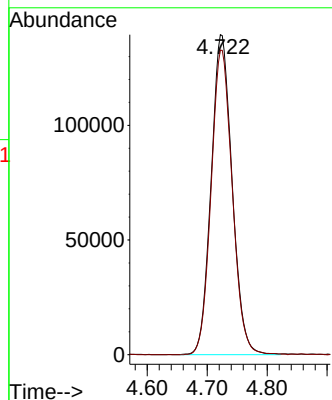
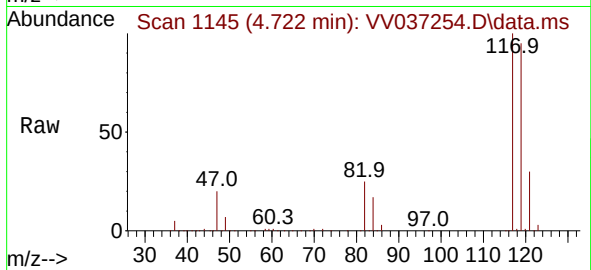




#31
Carbon tetrachloride
Concen: 54.690 ug/L
RT: 4.722 min Scan# 1145
Delta R.T. -0.003 min
Lab File: VV037254.D
Acq: 12 Sep 2024 08:53

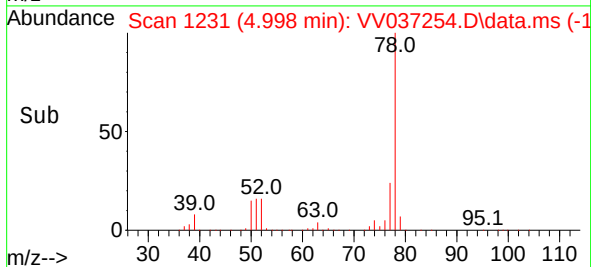
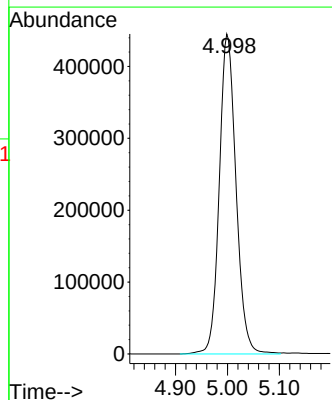
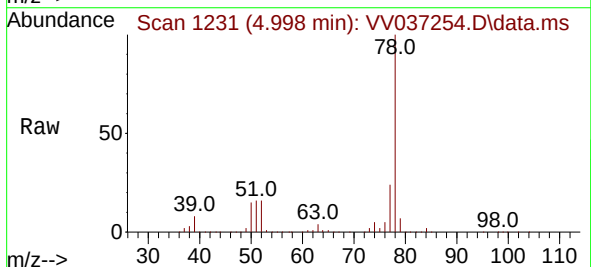
Instrument :
MSVOA_V
ClientSampleId :

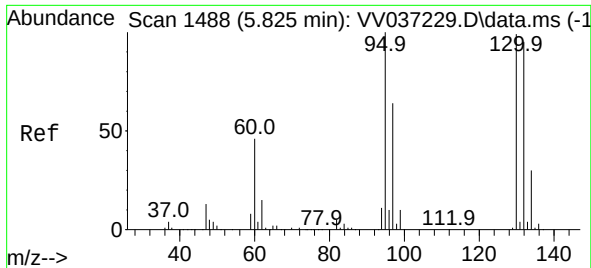
Tgt Ion:117 Resp: 339138
Ion Ratio Lower Upper
117 100
119 95.7 75.8 113.6



#33
Benzene
Concen: 53.997 ug/L
RT: 4.998 min Scan# 1231
Delta R.T. -0.003 min
Lab File: VV037254.D
Acq: 12 Sep 2024 08:53

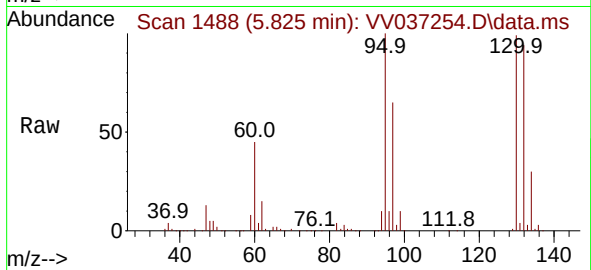
Tgt Ion: 78 Resp: 995260



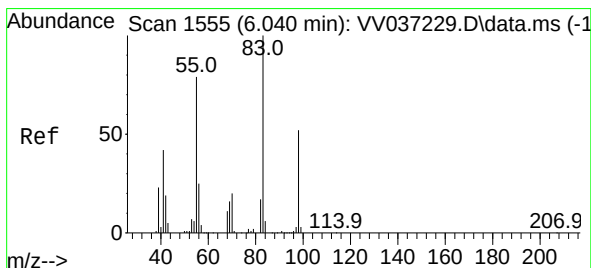
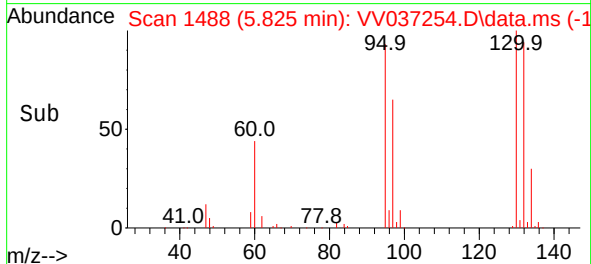
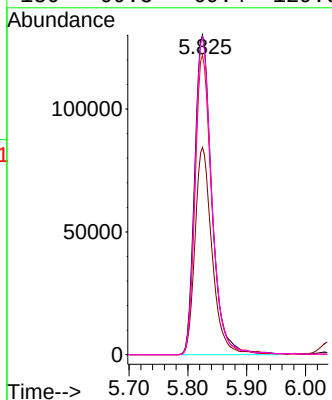


#34
Trichloroethene
Concen: 54.456 ug/L
RT: 5.825 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VV037254.D
Acq: 12 Sep 2024 08:53

Instrument :
MSVOA_V
ClientSampleId :

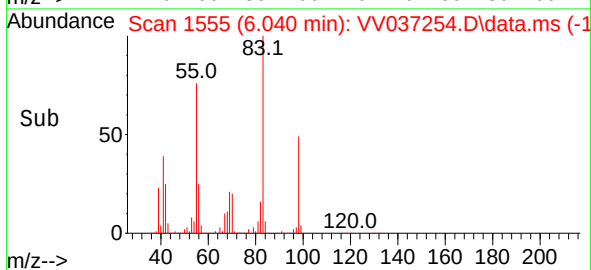
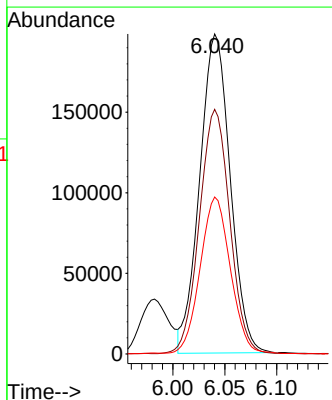
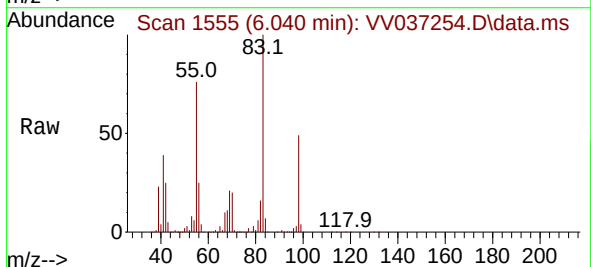


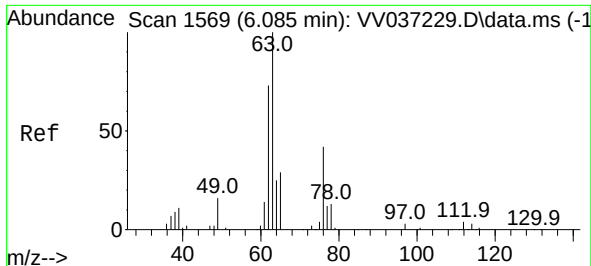
Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.4	82.5
132	93.7	64.9	120.5
130	99.3	69.4	129.0



#35
Methylcyclohexane
Concen: 51.171 ug/L
RT: 6.040 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VV037254.D
Acq: 12 Sep 2024 08:53

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.2	91.8
98	48.6	39.3	58.9

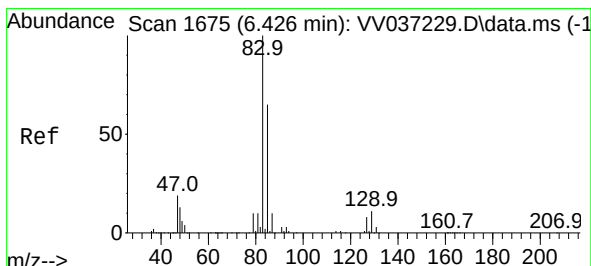
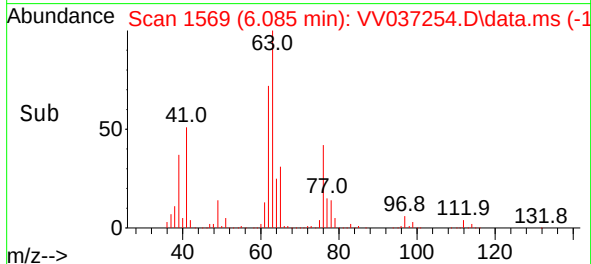
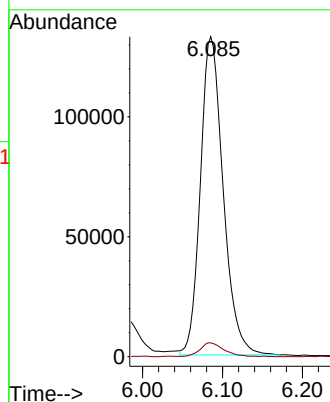
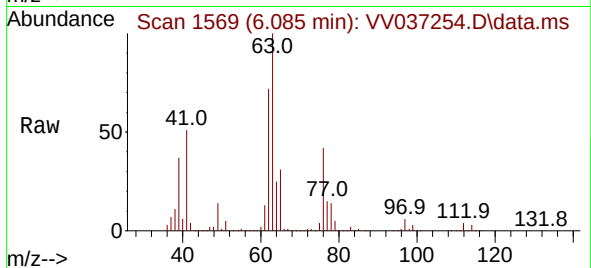




#37
1,2-Dichloropropane
Concen: 53.301 ug/L
RT: 6.085 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VV037254.D
Acq: 12 Sep 2024 08:53

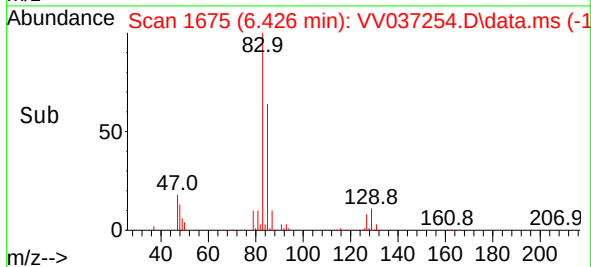
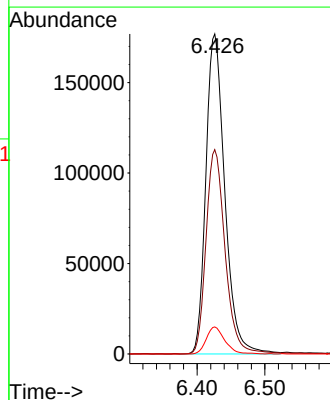
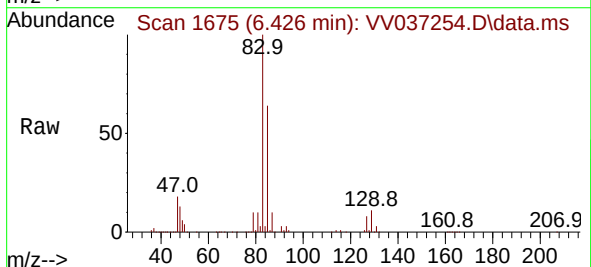
Instrument :
MSVOA_V
ClientSampleId :

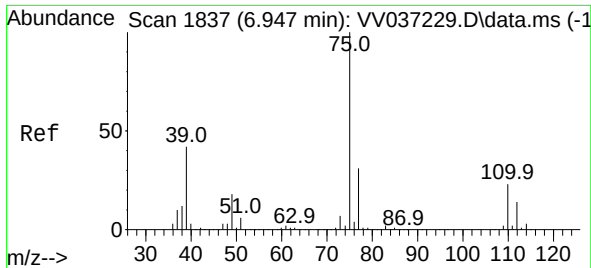
Tgt Ion: 63 Resp: 263382
Ion Ratio Lower Upper
63 100
112 4.4 3.5 5.3



#38
Bromodichloromethane
Concen: 54.302 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VV037254.D
Acq: 12 Sep 2024 08:53

Tgt Ion: 83 Resp: 343914
Ion Ratio Lower Upper
83 100
85 63.9 44.5 82.7
127 8.5 6.1 9.1

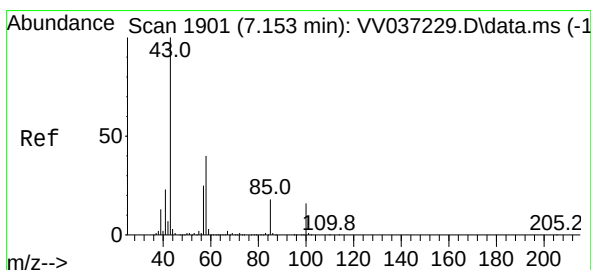
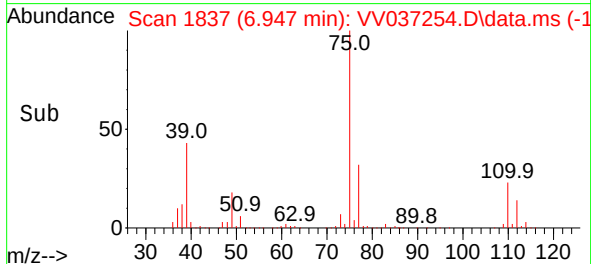
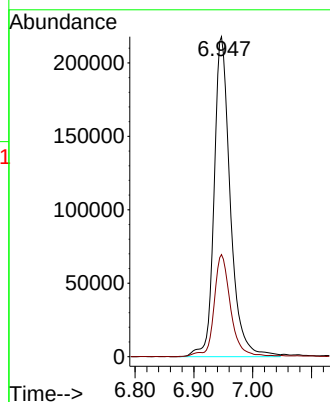
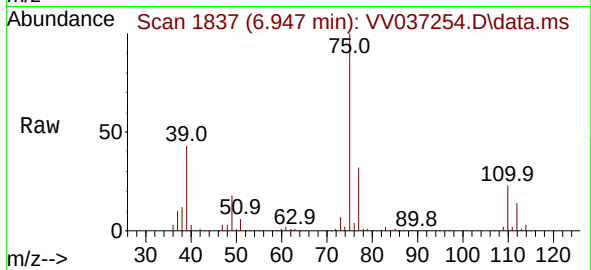




#39
 cis-1,3-Dichloropropene
 Concen: 53.599 ug/L
 RT: 6.947 min Scan# 1837
 Delta R.T. -0.000 min
 Lab File: VV037254.D
 Acq: 12 Sep 2024 08:53

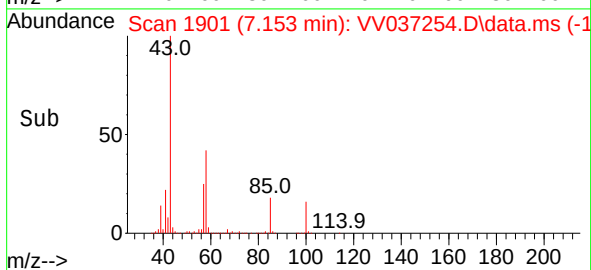
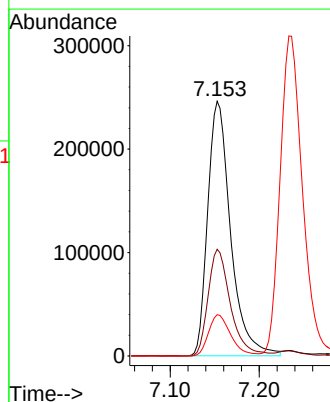
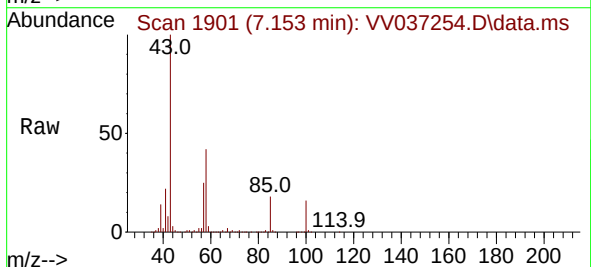
Instrument :
 MSVOA_V
 ClientSampleId :

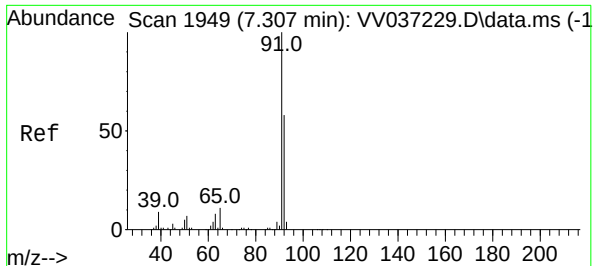
Tgt Ion: 75 Resp: 417967
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 87.580 ug/L
 RT: 7.153 min Scan# 1901
 Delta R.T. -0.000 min
 Lab File: VV037254.D
 Acq: 12 Sep 2024 08:53

Tgt Ion: 43 Resp: 439974
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.0 48.0
 100 15.7 12.4 18.6





#42

Toluene

Concen: 54.682 ug/L

RT: 7.307 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

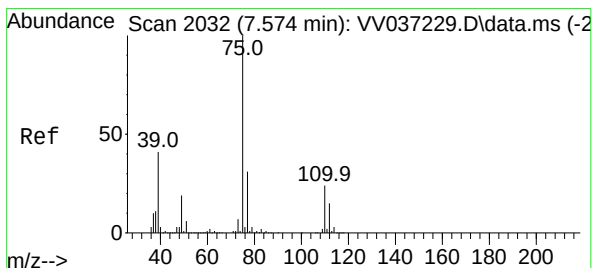
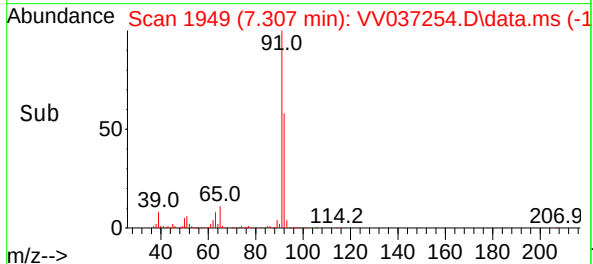
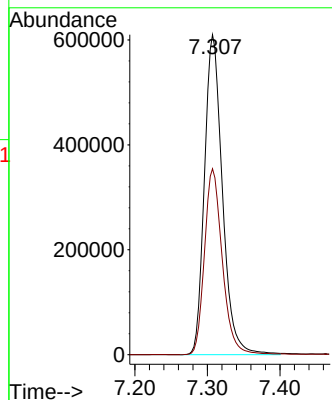
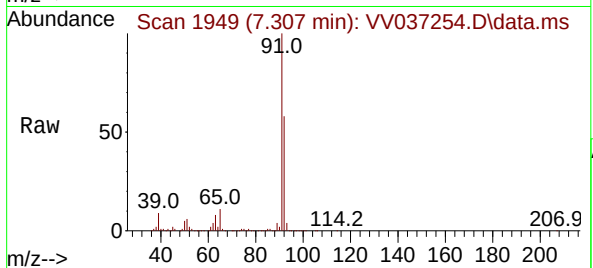
ClientSampleId :

Tgt Ion: 91 Resp: 1049398

Ion Ratio Lower Upper

91 100

92 58.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 52.067 ug/L

RT: 7.574 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VV037254.D

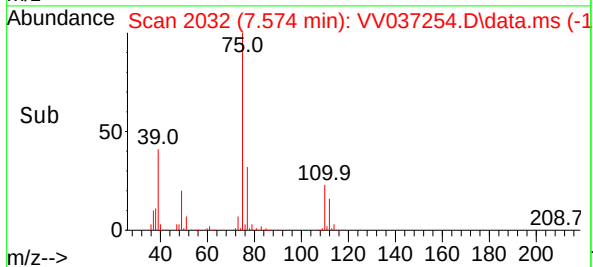
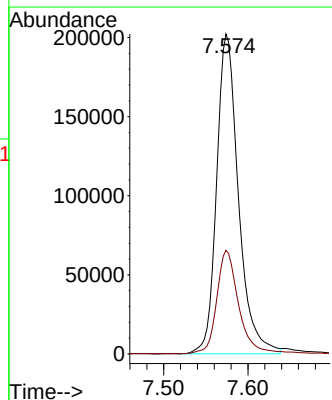
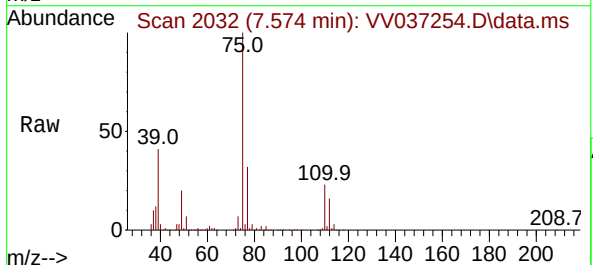
Acq: 12 Sep 2024 08:53

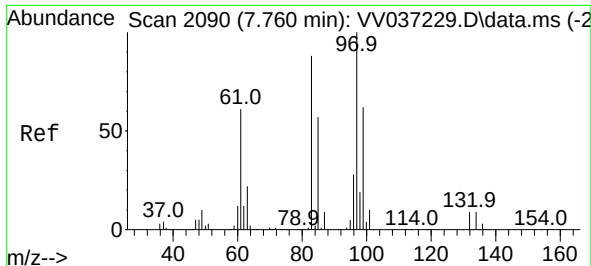
Tgt Ion: 75 Resp: 362913

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 52.609 ug/L

RT: 7.760 min Scan# 2090

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 241998

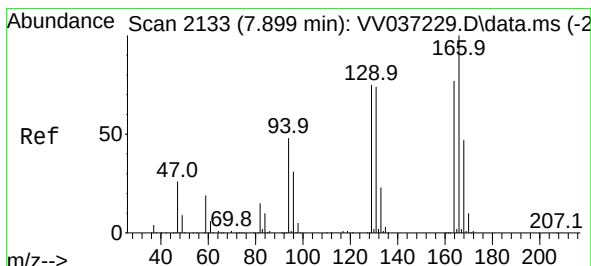
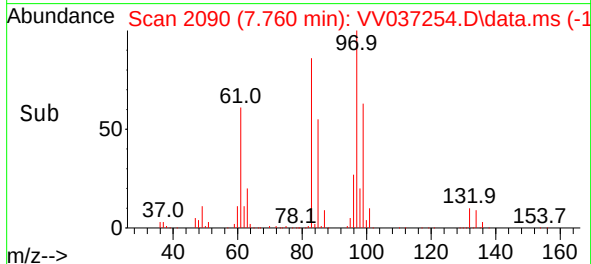
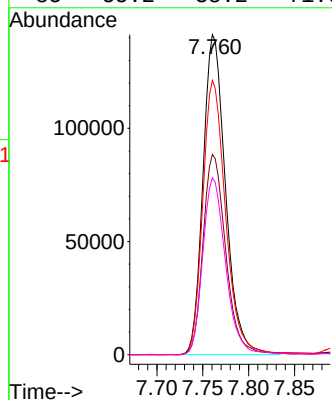
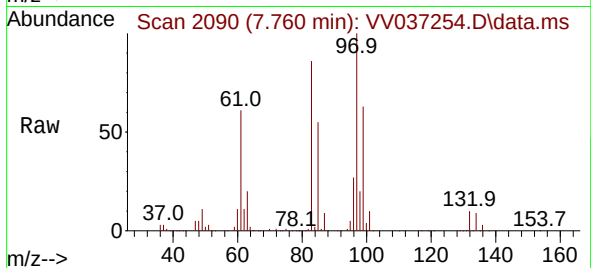
Ion Ratio Lower Upper

97 100

99 62.5 42.6 79.0

83 85.7 60.5 112.3

85 55.2 38.2 71.0



#46

Tetrachloroethene

Concen: 54.250 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Tgt Ion:164 Resp: 189368

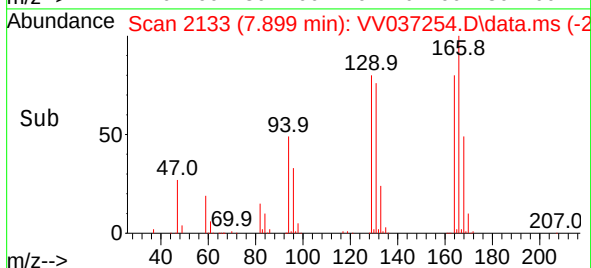
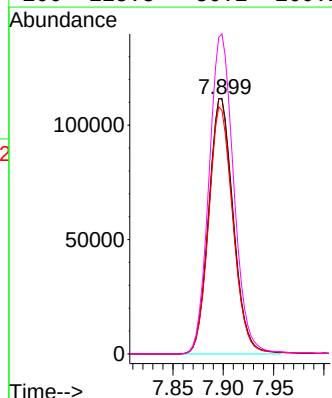
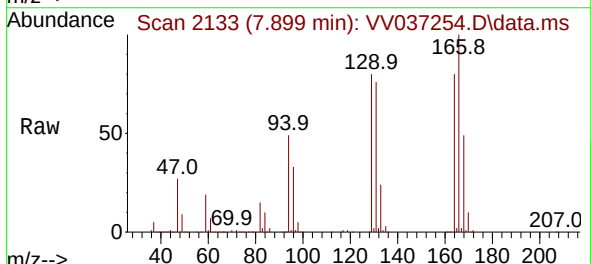
Ion Ratio Lower Upper

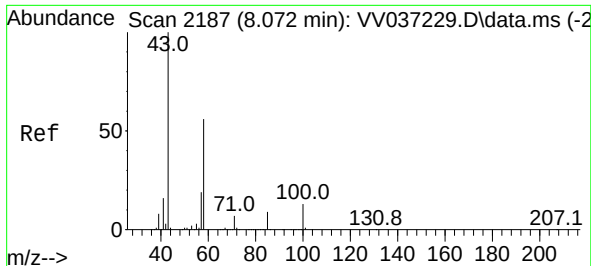
164 100

129 99.6 67.1 124.7

131 95.3 67.0 124.4

166 125.3 86.2 160.2

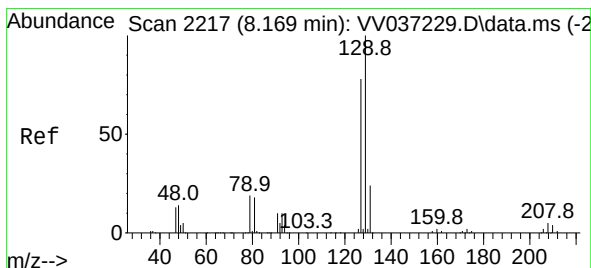
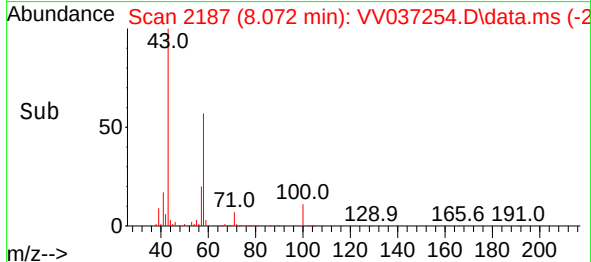
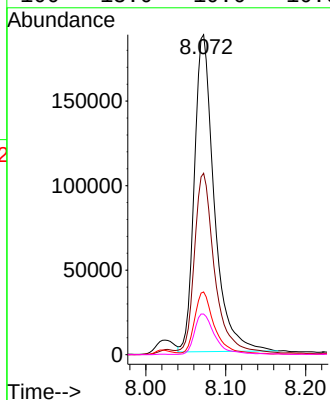
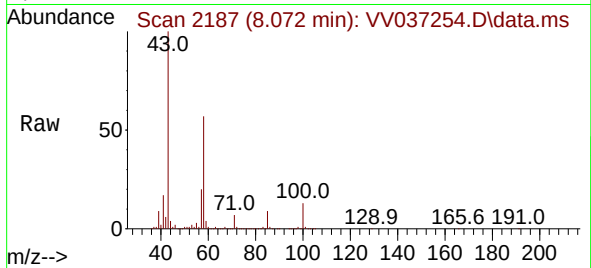




#48
2-Hexanone
Concen: 83.781 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV037254.D
Acq: 12 Sep 2024 08:53

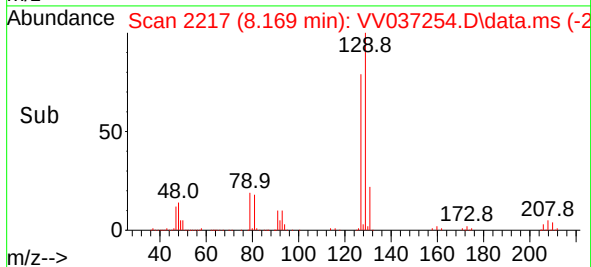
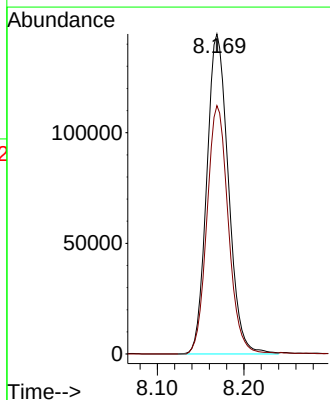
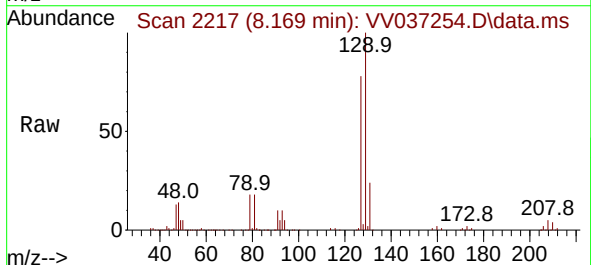
Instrument :
MSVOA_V
ClientSampleId :

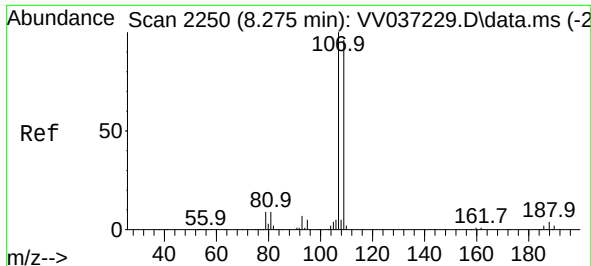
Tgt Ion: 43 Resp: 325505
Ion Ratio Lower Upper
43 100
58 58.1 46.0 69.0
57 19.7 15.6 23.4
100 13.0 10.6 16.0



#49
Dibromochloromethane
Concen: 54.402 ug/L
RT: 8.169 min Scan# 2217
Delta R.T. -0.000 min
Lab File: VV037254.D
Acq: 12 Sep 2024 08:53

Tgt Ion: 129 Resp: 250573
Ion Ratio Lower Upper
129 100
127 77.6 54.7 101.7

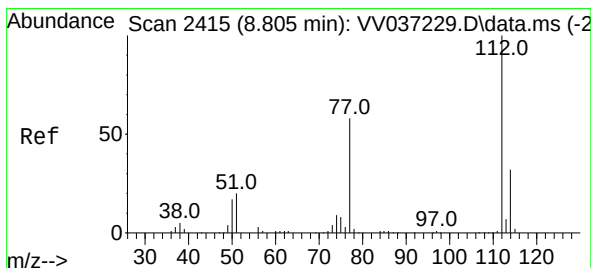
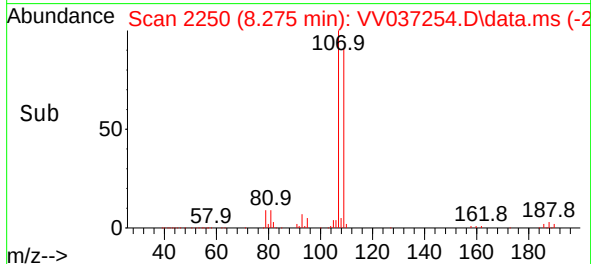
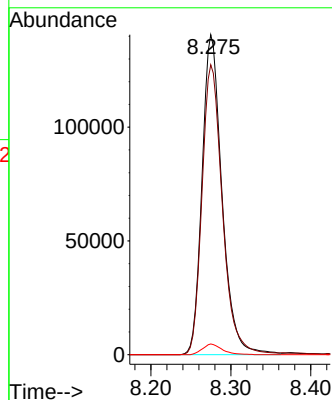
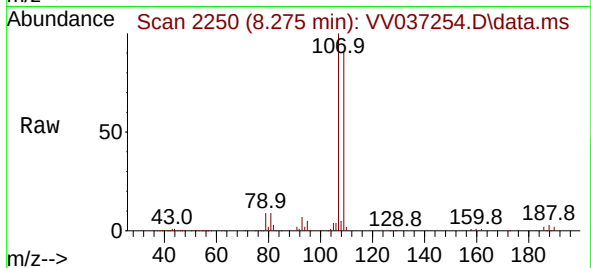




#50
1,2-Dibromoethane
Concen: 52.585 ug/L
RT: 8.275 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV037254.D
Acq: 12 Sep 2024 08:53

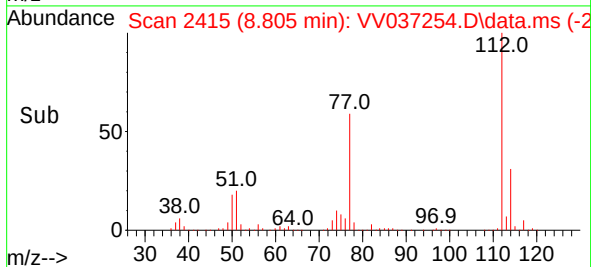
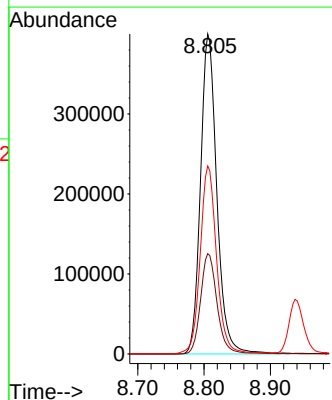
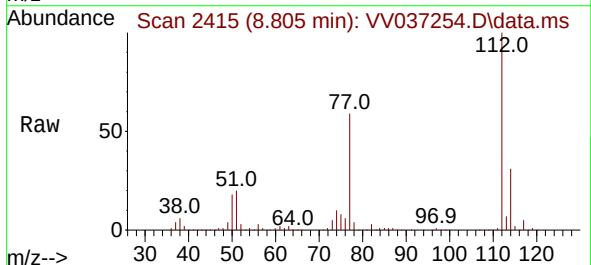
Instrument :
MSVOA_V
ClientSampleId :

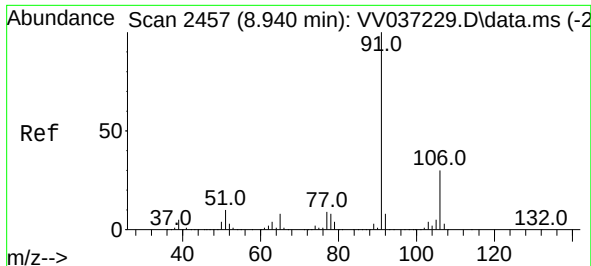
Tgt Ion:107 Resp: 244767
Ion Ratio Lower Upper
107 100
109 90.6 66.6 123.6
188 3.5 2.6 3.8



#51
Chlorobenzene
Concen: 53.741 ug/L
RT: 8.805 min Scan# 2415
Delta R.T. -0.000 min
Lab File: VV037254.D
Acq: 12 Sep 2024 08:53

Tgt Ion:112 Resp: 682785
Ion Ratio Lower Upper
112 100
114 31.4 22.3 41.5
77 58.7 47.8 71.8





#52

Ethylbenzene

Concen: 54.537 ug/L

RT: 8.937 min Scan# 2456

Delta R.T. -0.003 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

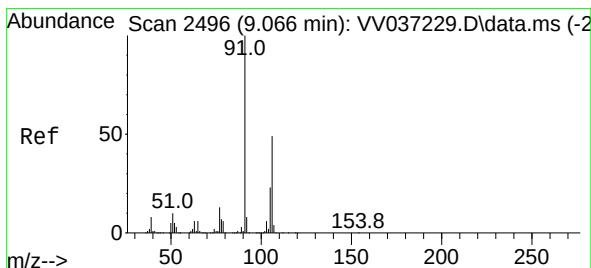
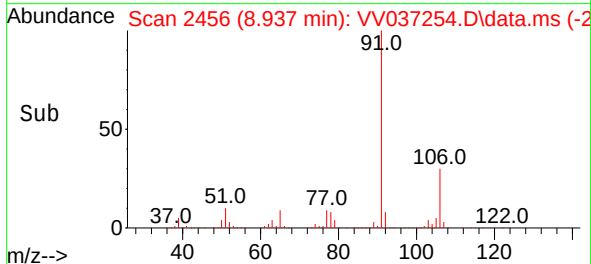
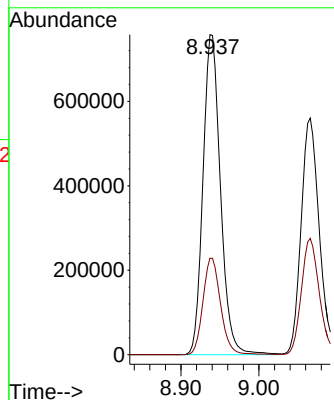
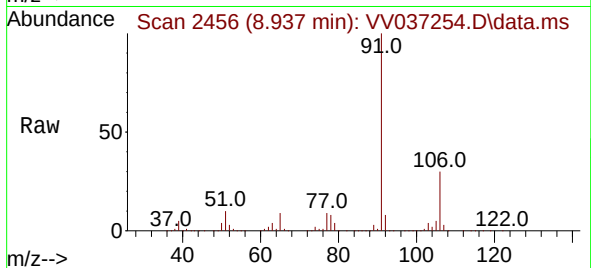
ClientSampleId :

Tgt Ion: 91 Resp: 1182203

Ion Ratio Lower Upper

91 100

106 30.2 21.4 39.8



#53

m,p-Xylene

Concen: 54.898 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. -0.000 min

Lab File: VV037254.D

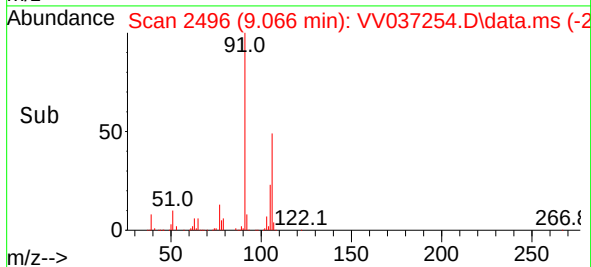
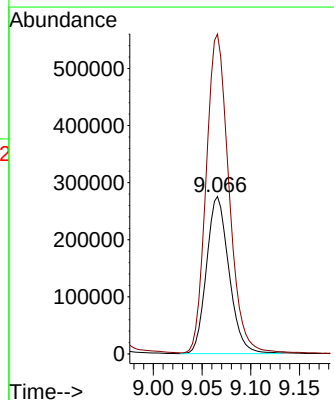
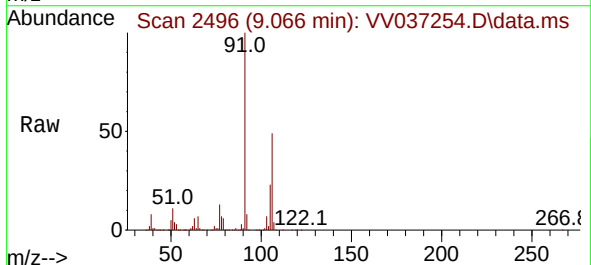
Acq: 12 Sep 2024 08:53

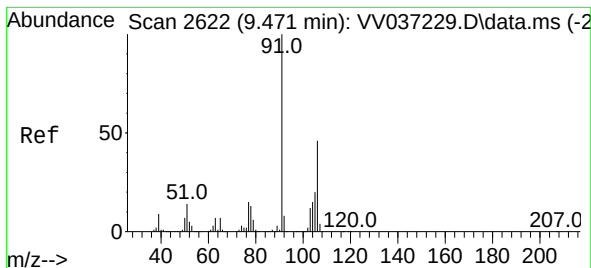
Tgt Ion:106 Resp: 440914

Ion Ratio Lower Upper

106 100

91 203.3 143.0 265.6





#54

o-Xylene

Concen: 53.946 ug/L

RT: 9.471 min Scan# 2622

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

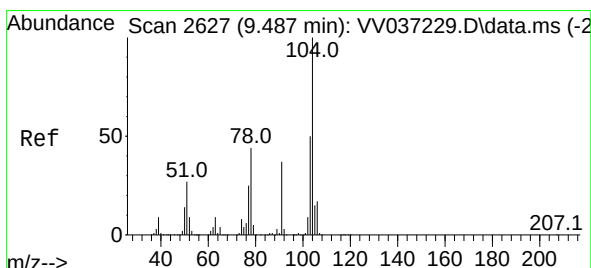
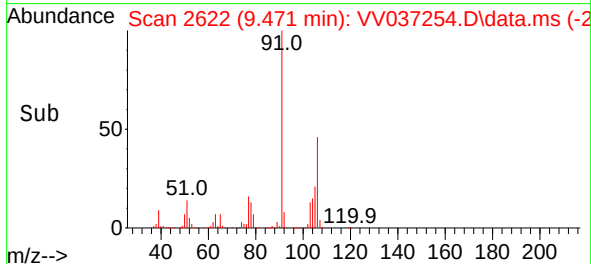
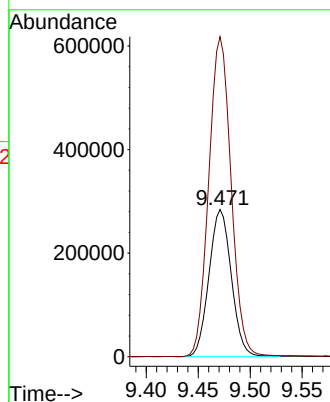
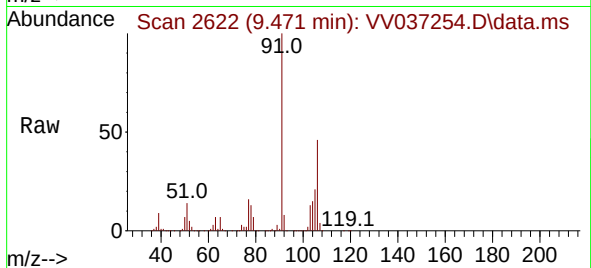
ClientSampleId :

Tgt Ion:106 Resp: 424222

Ion Ratio Lower Upper

106 100

91 217.5 153.2 284.6



#55

Styrene

Concen: 55.823 ug/L

RT: 9.487 min Scan# 2627

Delta R.T. -0.000 min

Lab File: VV037254.D

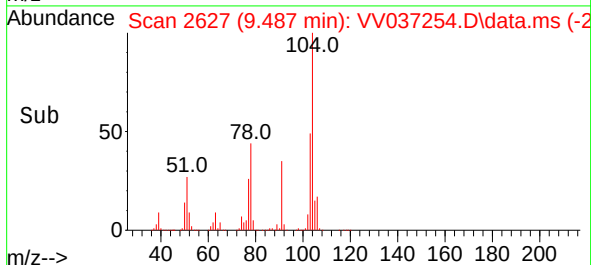
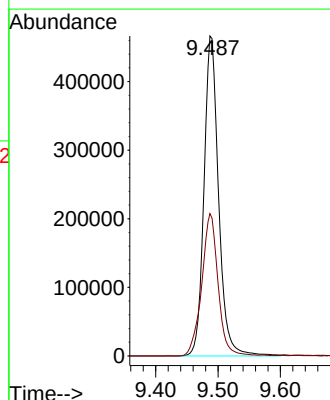
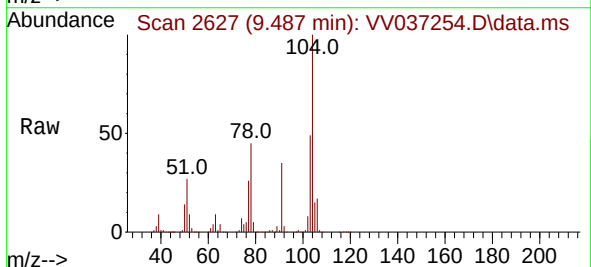
Acq: 12 Sep 2024 08:53

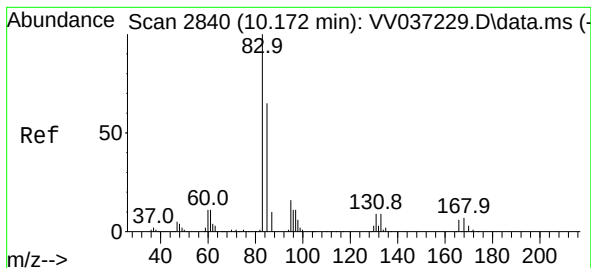
Tgt Ion:104 Resp: 761711

Ion Ratio Lower Upper

104 100

78 44.5 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 48.019 ug/L

RT: 10.169 min Scan# 2839

Delta R.T. -0.003 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

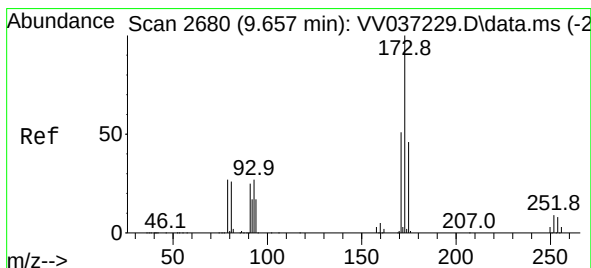
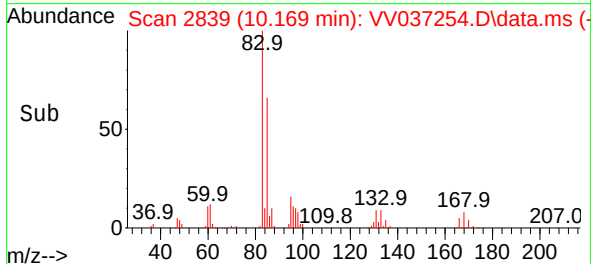
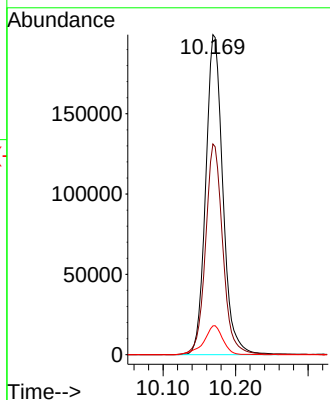
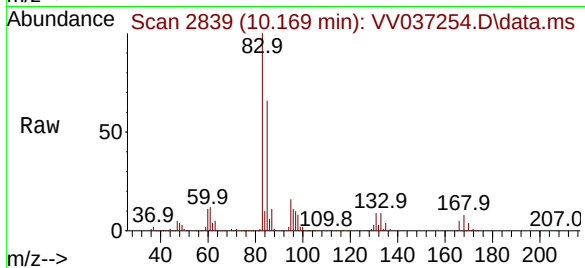
Tgt Ion: 83 Resp: 327141

Ion Ratio Lower Upper

83 100

85 65.9 45.1 83.7

131 9.0 7.4 11.0



#59

Bromoform

Concen: 50.311 ug/L

RT: 9.657 min Scan# 2680

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

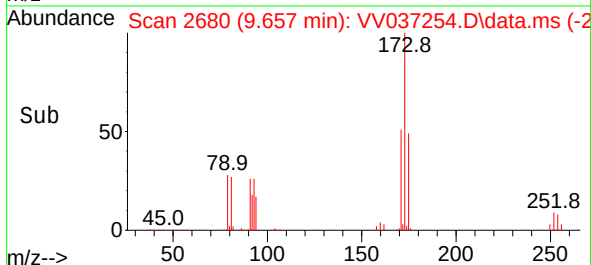
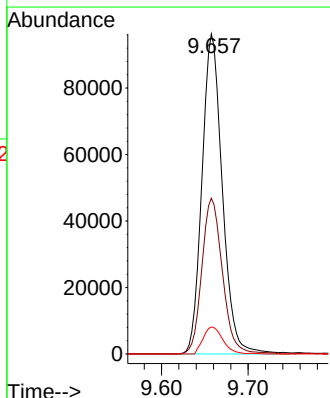
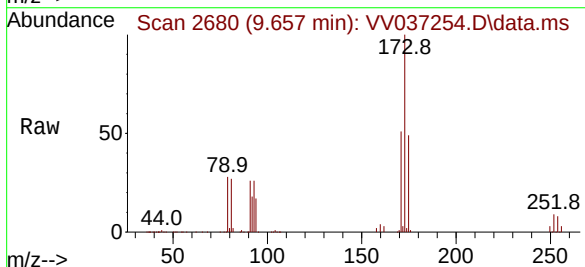
Tgt Ion: 173 Resp: 157001

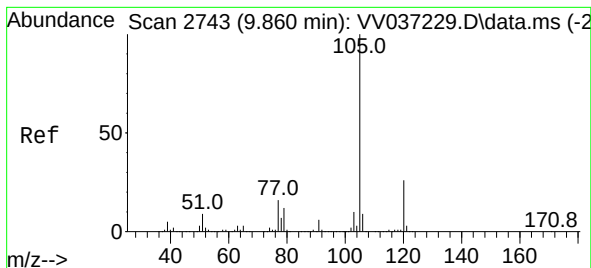
Ion Ratio Lower Upper

173 100

175 49.2 38.7 58.1

254 8.1 6.8 10.2





#60

Isopropylbenzene

Concen: 53.750 ug/L

RT: 9.860 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

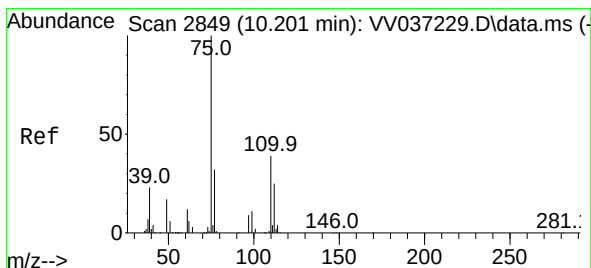
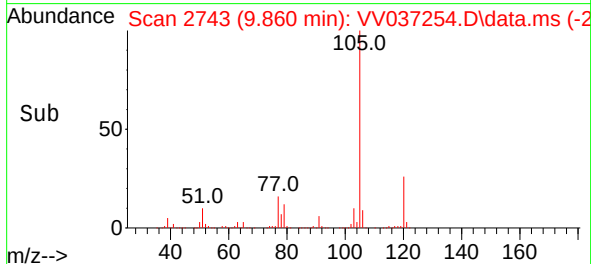
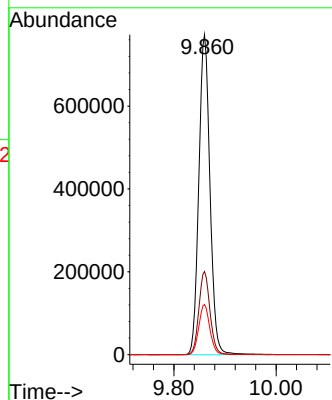
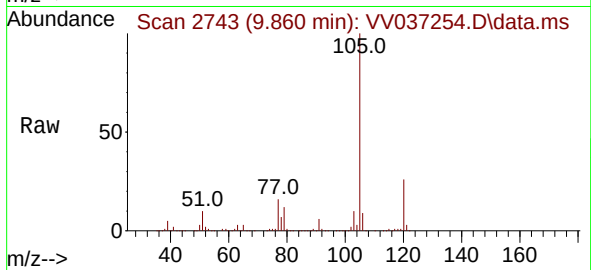
Tgt Ion:105 Resp: 1167763

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

77 15.4 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 46.227 ug/L

RT: 10.201 min Scan# 2849

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

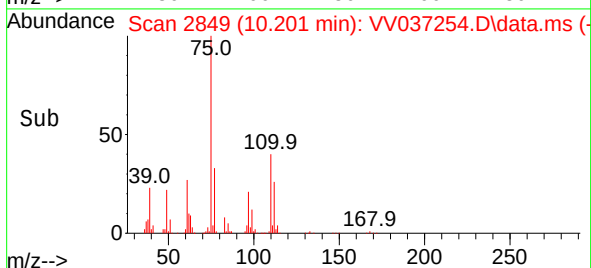
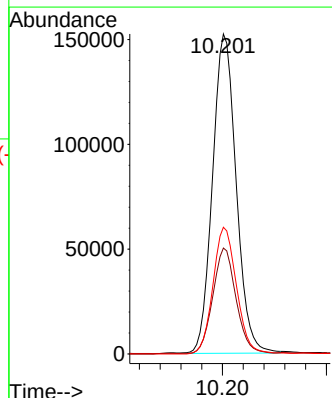
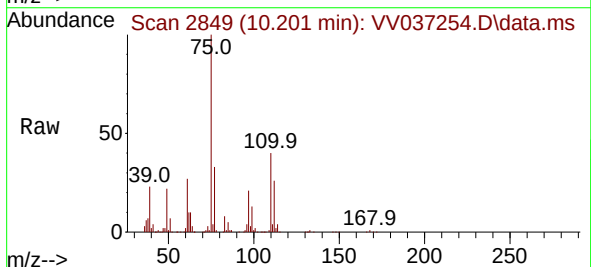
Tgt Ion: 75 Resp: 240992

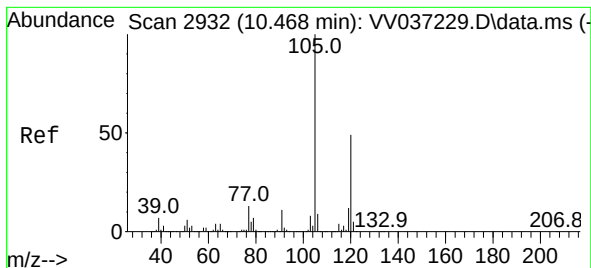
Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8

110 39.4 31.1 46.7





#62

1,3,5-Trimethylbenzene

Concen: 53.322 ug/L

RT: 10.468 min Scan# 2932

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

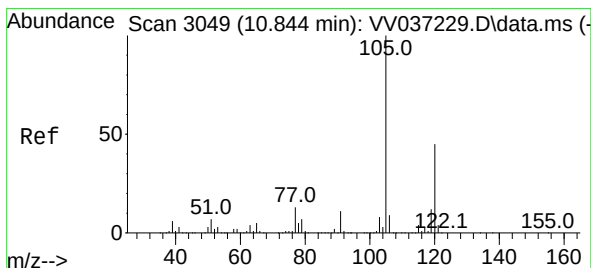
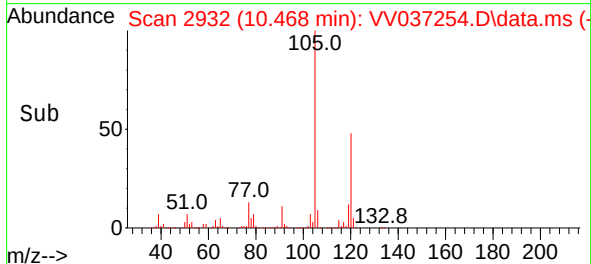
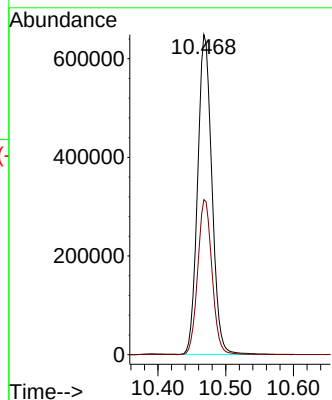
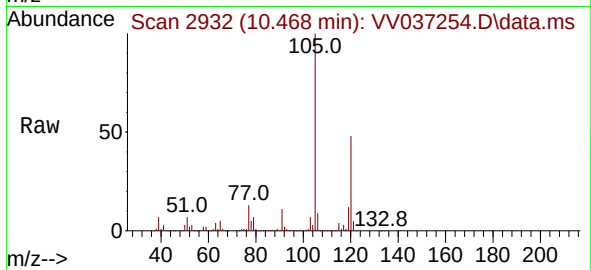
ClientSampleId :

Tgt Ion:105 Resp: 947795

Ion Ratio Lower Upper

105 100

120 48.5 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 53.237 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV037254.D

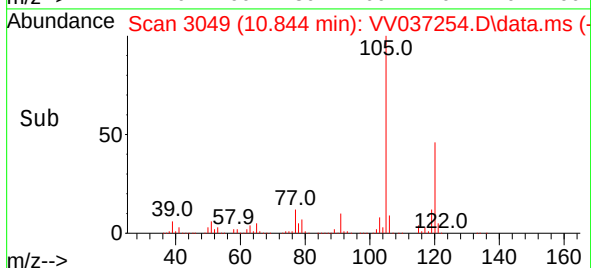
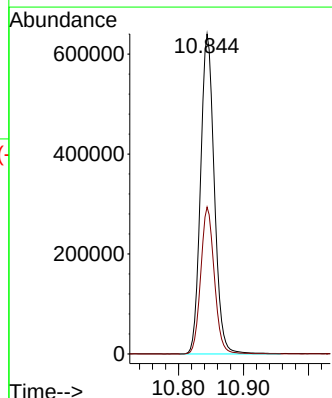
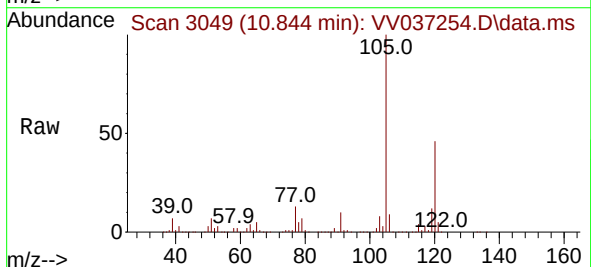
Acq: 12 Sep 2024 08:53

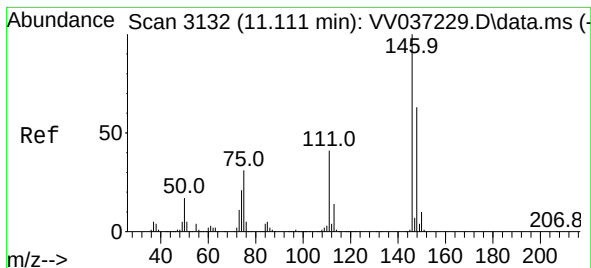
Tgt Ion:105 Resp: 944352

Ion Ratio Lower Upper

105 100

120 45.4 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 53.001 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. -0.000 min

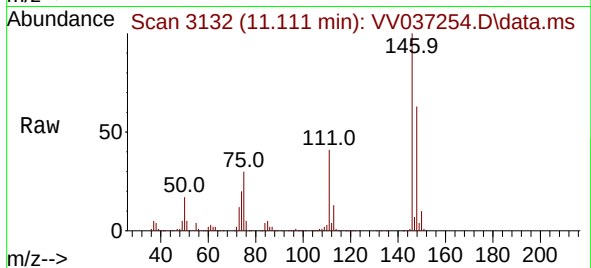
Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :



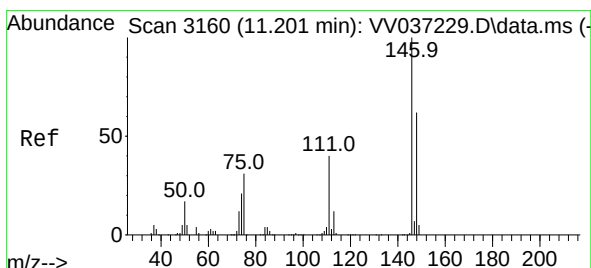
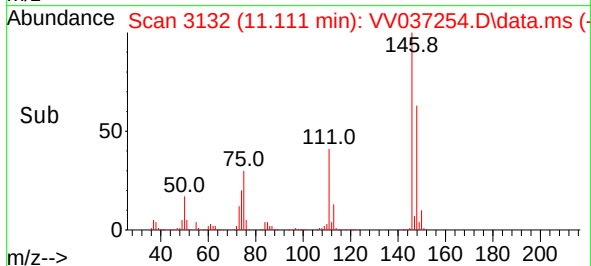
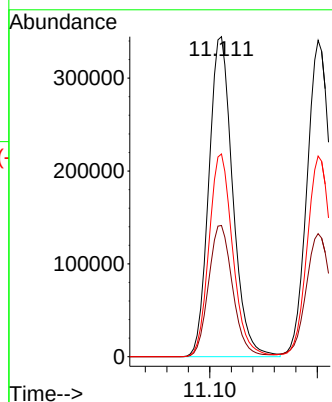
Tgt Ion:146 Resp: 531716

Ion Ratio Lower Upper

146 100

111 41.0 29.7 55.1

148 63.4 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 52.991 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

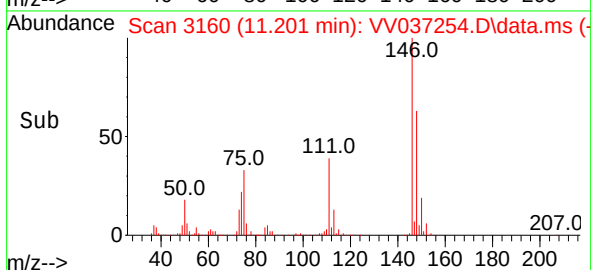
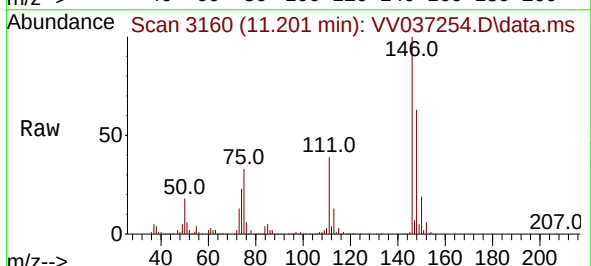
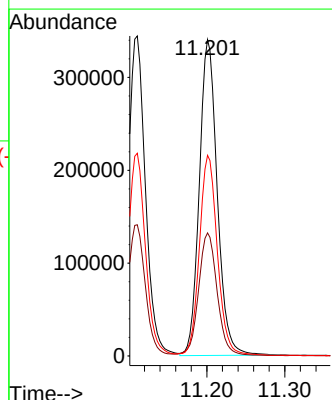
Tgt Ion:146 Resp: 544098

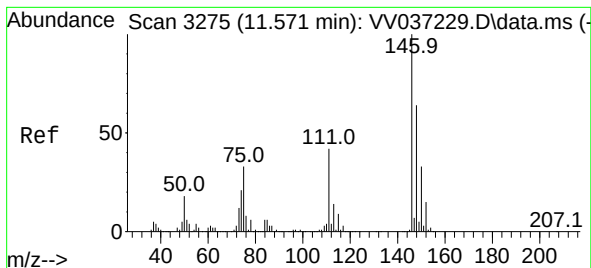
Ion Ratio Lower Upper

146 100

111 38.9 28.1 52.1

148 63.4 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 52.160 ug/L

RT: 11.571 min Scan# 31

Delta R.T. -0.000 min

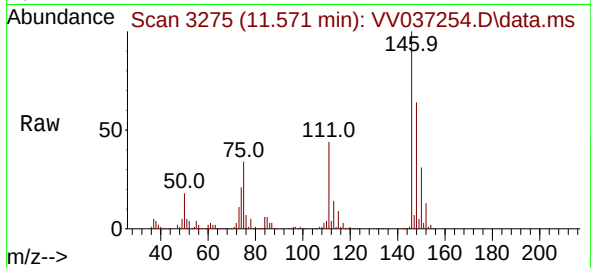
Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :



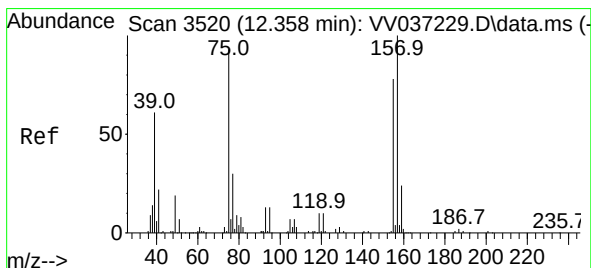
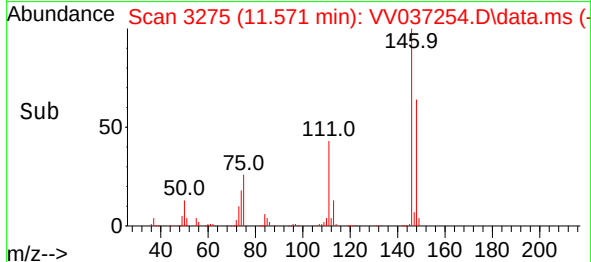
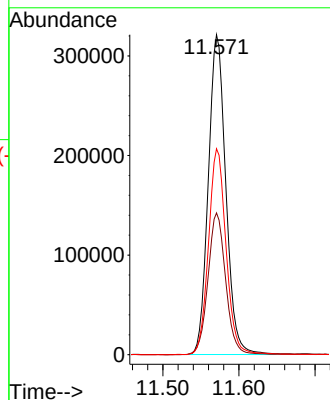
Tgt Ion:146 Resp: 514514

Ion Ratio Lower Upper

146 100

111 44.3 34.6 51.8

148 64.3 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 42.577 ug/L

RT: 12.355 min Scan# 3519

Delta R.T. -0.003 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

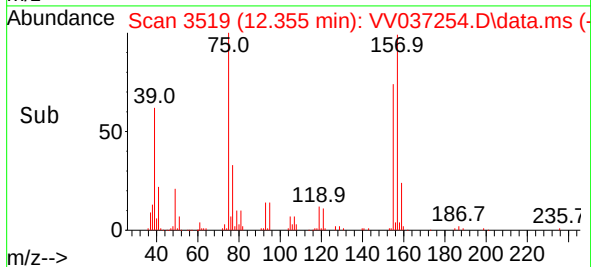
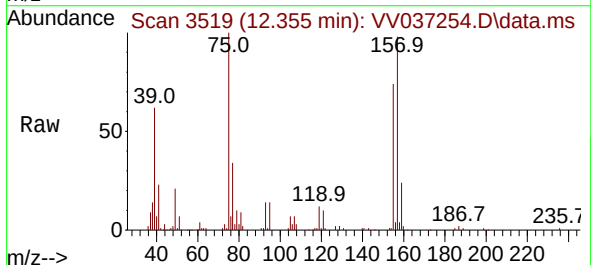
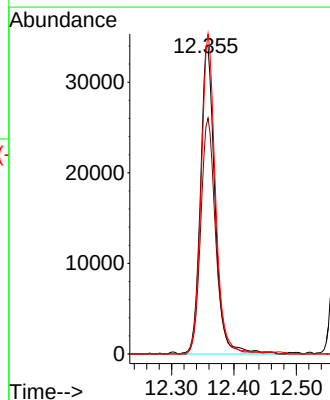
Tgt Ion: 75 Resp: 55354

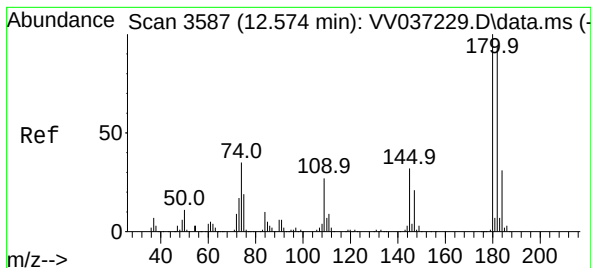
Ion Ratio Lower Upper

75 100

155 73.8 61.8 92.6

157 98.2 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 52.257 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. -0.000 min

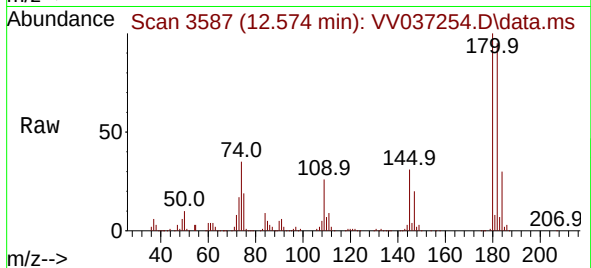
Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 364779

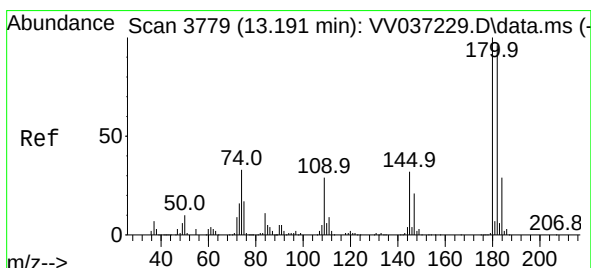
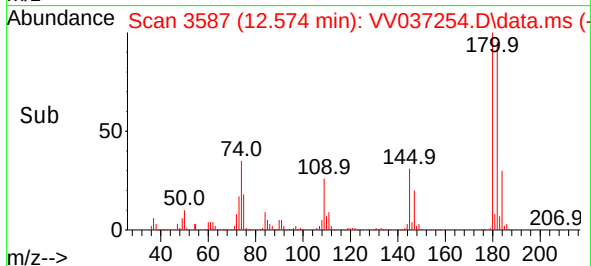
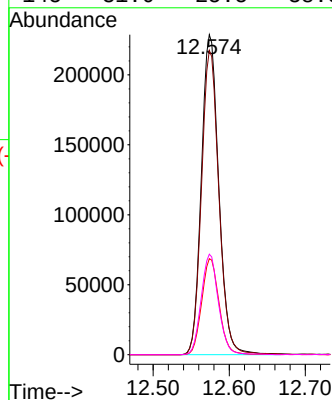
Ion Ratio Lower Upper

180 100

182 94.5 76.7 115.1

184 29.9 24.2 36.2

145 31.0 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 50.442 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

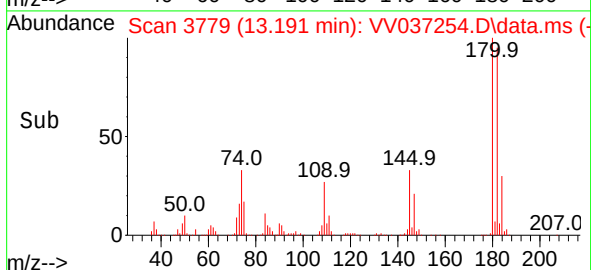
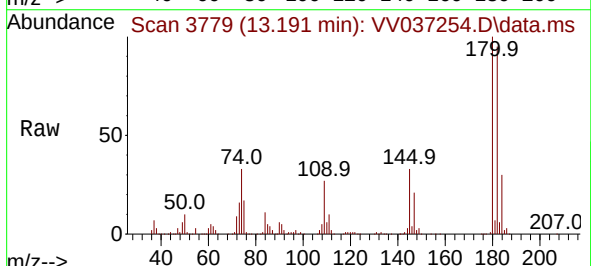
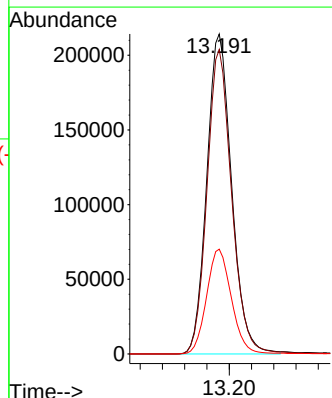
Tgt Ion:180 Resp: 331562

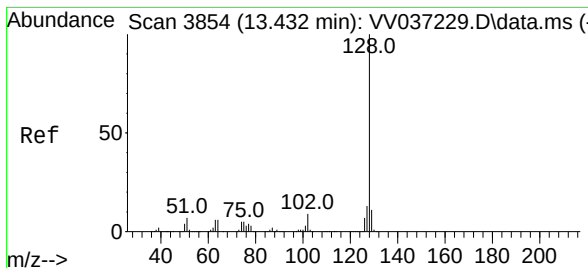
Ion Ratio Lower Upper

180 100

182 94.6 75.7 113.5

145 32.8 26.0 39.0





#71

Naphthalene

Concen: 42.559 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Instrument :

MSVOA_V

ClientSampleId :

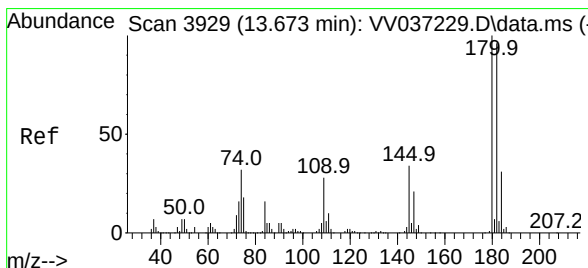
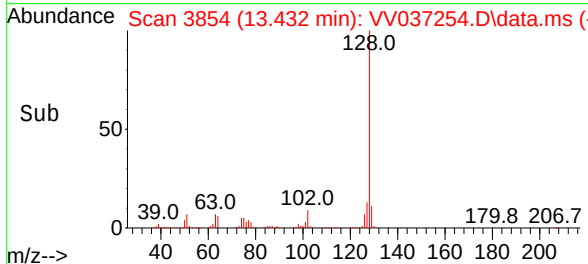
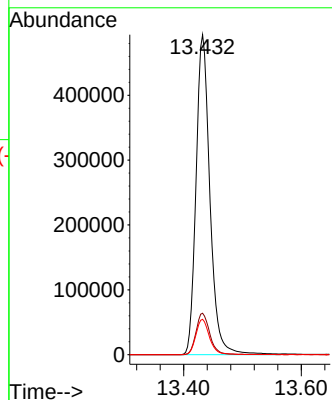
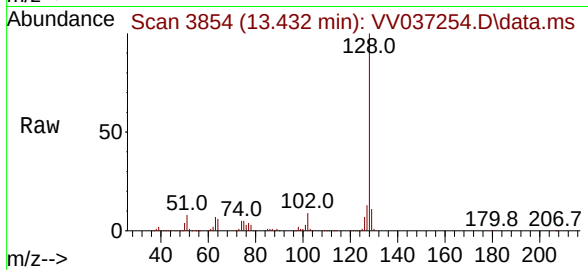
Tgt Ion:128 Resp: 807784

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 49.317 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV037254.D

Acq: 12 Sep 2024 08:53

Tgt Ion:180 Resp: 319453

Ion Ratio Lower Upper

180 100

182 96.1 75.1 112.7

145 34.6 27.0 40.4

