

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092724\
 Data File : VV037591.D
 Acq On : 27 Sep 2024 08:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 23:39:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 02:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	706926	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	689442	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	374255	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	216958	34.961	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.920%
7) Chloroethane-d5	1.532	69	188596	39.153	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.300%
11) 1,1-Dichloroethene-d2	2.056	65	100187	38.642	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.280%
21) 2-Butanone-d5	3.786	46	176162	79.699	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.700%
24) Chloroform-d	4.239	84	497300	45.043	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.080%
26) 1,2-Dichloroethane-d4	4.934	65	287032	44.416	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.840%
32) Benzene-d6	4.950	84	927639	42.998	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.000%
36) 1,2-Dichloropropane-d6	5.982	67	300142	43.690	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.380%
41) Toluene-d8	7.236	98	861946	44.061	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.120%
43) trans-1,3-Dichloroprop...	7.545	79	140917	44.157	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.320%
47) 2-Hexanone-d5	8.021	63	127990	88.231	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.230%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	354576	44.421	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.840%
66) 1,2-Dichlorobenzene-d4	11.551	152	351744	44.602	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	291377	48.417	ug/L	99
3) Chloromethane	1.217	50	272116	46.574	ug/L	99
5) Vinyl chloride	1.285	62	293232	46.814	ug/L	99
6) Bromomethane	1.487	94	165716	47.673	ug/L	100
8) Chloroethane	1.548	64	177508	45.978	ug/L	97
9) Trichlorofluoromethane	1.712	101	404409	47.965	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	241738	47.980	ug/L	99
12) 1,1-Dichloroethene	2.069	96	223468	47.482	ug/L	79
13) Acetone	2.111	43	201040	92.781	ug/L	99
14) Carbon disulfide	2.240	76	671055	45.679	ug/L	100
15) Methyl Acetate	2.368	43	169813	44.908	ug/L	97
16) Methylene chloride	2.442	84	245486	46.067	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	233079	46.813	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	673544	47.152	ug/L	99
19) 1,1-Dichloroethane	3.101	63	448230	46.987	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	263692	47.328	ug/L	98
22) 2-Butanone	3.870	43	219039	91.330	ug/L	96
23) Bromochloromethane	4.137	128	134099	46.528	ug/L	95
25) Chloroform	4.265	83	461707	46.747	ug/L	100

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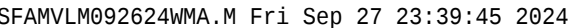
Instrument :
 MSVOA_V
 ClientSampleId :

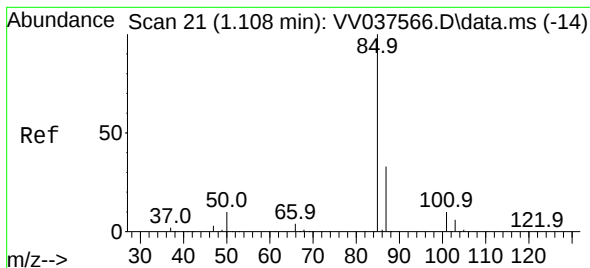
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 02:22:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.030	62	323553	46.404	ug/L	98
29) Cyclohexane	4.571	56	368502	47.075	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	395347	46.559	ug/L	100
31) Carbon tetrachloride	4.725	117	348123	47.155	ug/L	100
33) Benzene	4.998	78	986813	47.459	ug/L	100
34) Trichloroethene	5.825	95	260086	46.969	ug/L	99
35) Methylcyclohexane	6.040	83	412982	48.480	ug/L	99
37) 1,2-Dichloropropane	6.085	63	253930	47.293	ug/L	99
38) Bromodichloromethane	6.426	83	337686	47.047	ug/L	97
39) cis-1,3-Dichloropropene	6.947	75	413705	48.269	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	406562	92.998	ug/L	100
42) Toluene	7.307	91	1052696	48.836	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	371334	48.123	ug/L	98
45) 1,1,2-Trichloroethane	7.760	97	240397	46.628	ug/L	98
46) Tetrachloroethene	7.895	164	199834	47.201	ug/L	97
48) 2-Hexanone	8.072	43	324110	95.344	ug/L	99
49) Dibromochloromethane	8.169	129	253315	46.424	ug/L	99
50) 1,2-Dibromoethane	8.275	107	246134	46.185	ug/L	100
51) Chlorobenzene	8.805	112	696955	47.457	ug/L	100
52) Ethylbenzene	8.940	91	1171182	48.268	ug/L	100
53) m,p-Xylene	9.066	106	451334	49.979	ug/L	99
54) o-Xylene	9.471	106	426372	48.362	ug/L	97
55) Styrene	9.487	104	769738	50.153	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.168	83	327180	45.517	ug/L	98
59) Bromoform	9.657	173	166435	45.501	ug/L	97
60) Isopropylbenzene	9.860	105	1173658	48.236	ug/L	100
61) 1,2,3-Trichloropropane	10.201	75	240598	45.179	ug/L	100
62) 1,3,5-Trimethylbenzene	10.467	105	943006	49.021	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	949835	49.625	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	557860	47.633	ug/L	100
65) 1,4-Dichlorobenzene	11.201	146	573476	47.025	ug/L	100
67) 1,2-Dichlorobenzene	11.570	146	541260	46.750	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	54867	42.443	ug/L	94
69) 1,3,5-Trichlorobenzene	12.574	180	374731	46.528	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	341365	45.683	ug/L	100
71) Naphthalene	13.432	128	877819	44.963	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	339116	45.956	ug/L	98

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

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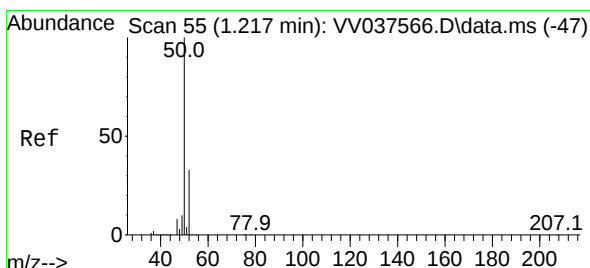
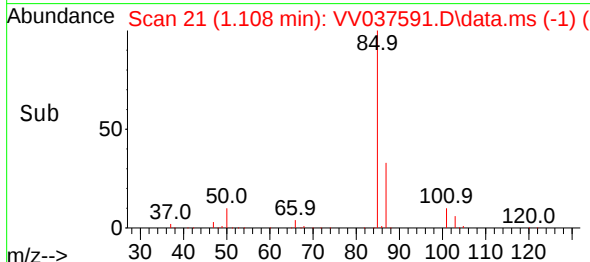
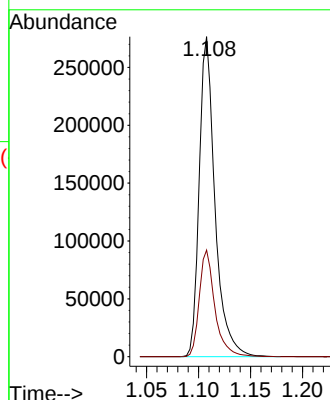
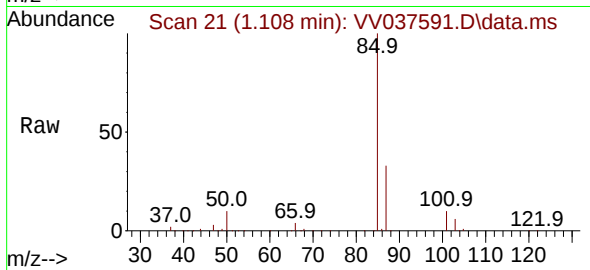




#2
 Dichlorodifluoromethane
 Concen: 48.417 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV037591.D
 Acq: 27 Sep 2024 08:52

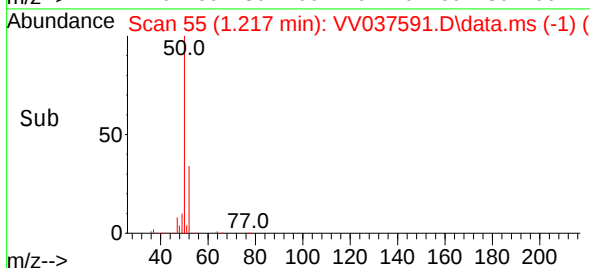
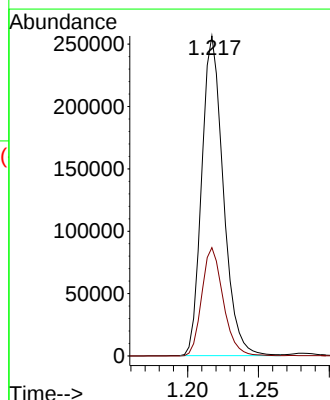
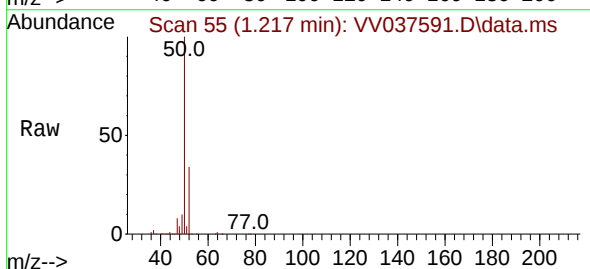
Instrument :
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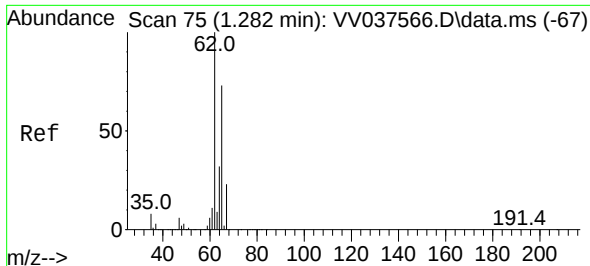
Tgt Ion: 85 Resp: 291377
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.8 38.8



#3
 Chloromethane
 Concen: 46.574 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV037591.D
 Acq: 27 Sep 2024 08:52

Tgt Ion: 50 Resp: 272116
 Ion Ratio Lower Upper
 50 100
 52 33.9 23.2 43.2

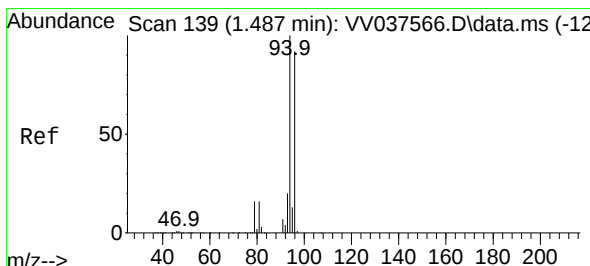
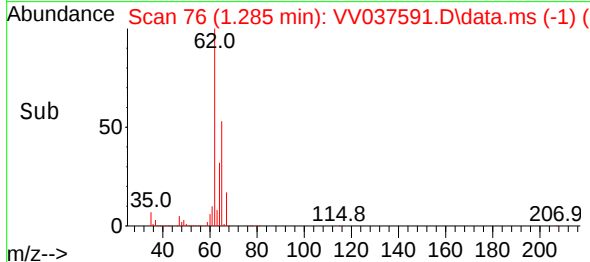
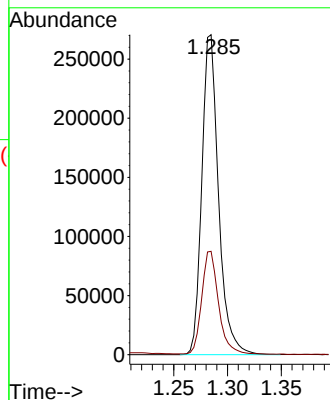
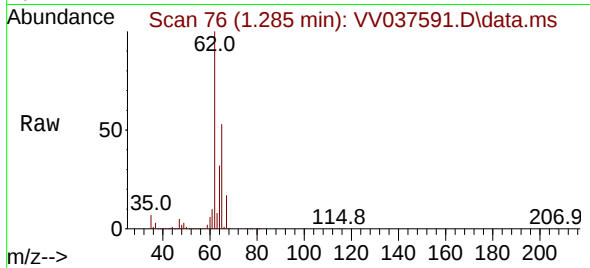




#5
 Vinyl chloride
 Concen: 46.814 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV037591.D
 Acq: 27 Sep 2024 08:52

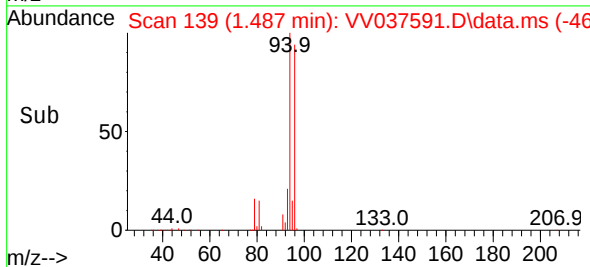
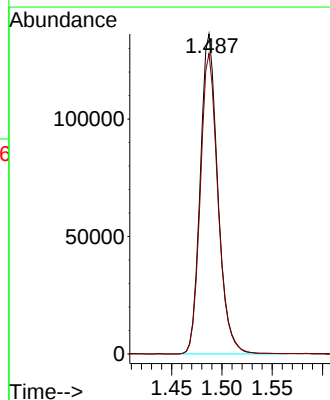
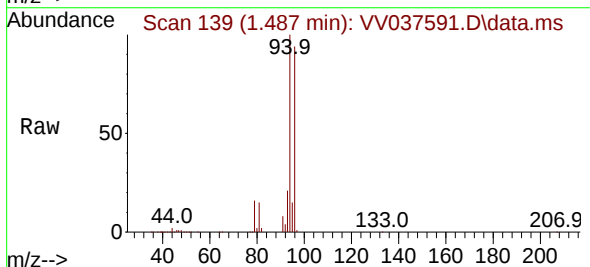
Instrument :
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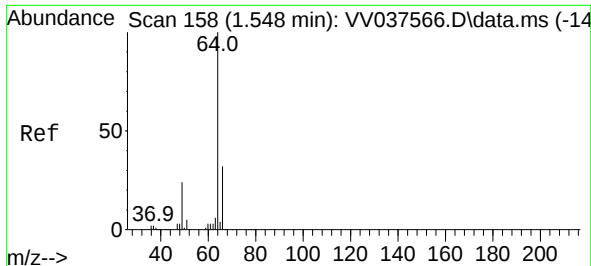
Tgt Ion: 62 Resp: 293232
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.2 43.0



#6
 Bromomethane
 Concen: 47.673 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV037591.D
 Acq: 27 Sep 2024 08:52

Tgt Ion: 94 Resp: 165716
 Ion Ratio Lower Upper
 94 100
 96 93.9 65.8 122.2

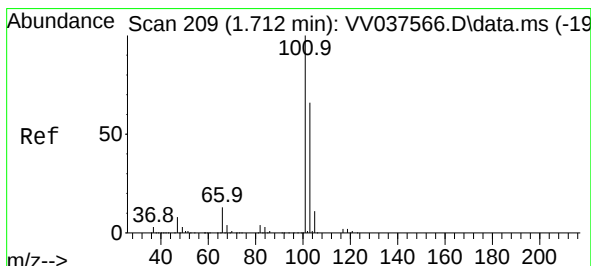
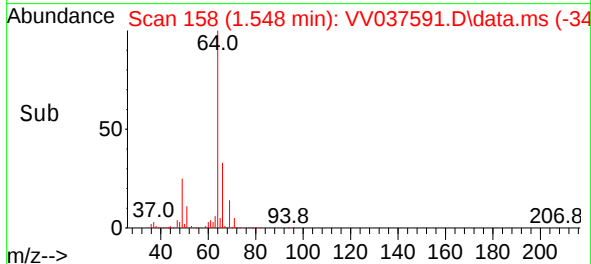
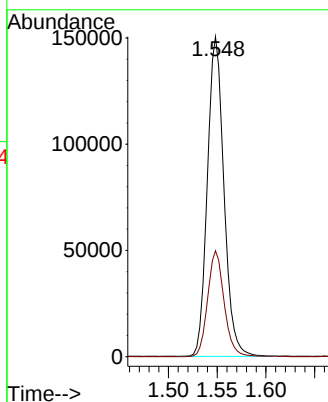
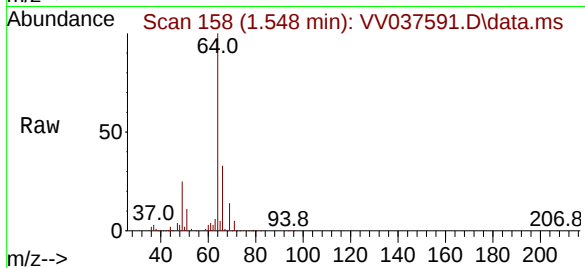




#8
Chloroethane
Concen: 45.978 ug/L
RT: 1.548 min Scan# 158
Delta R.T. -0.000 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

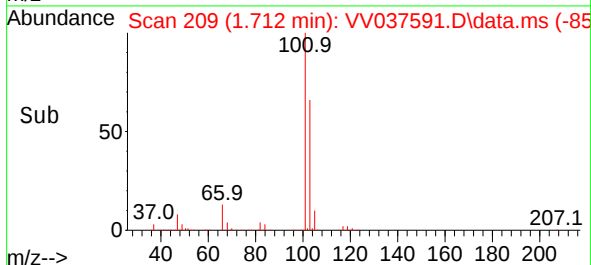
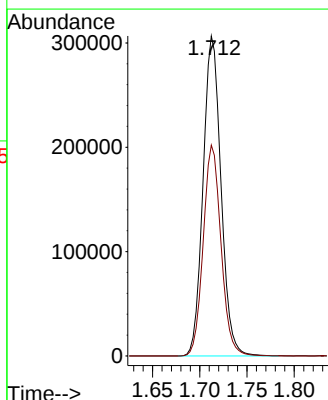
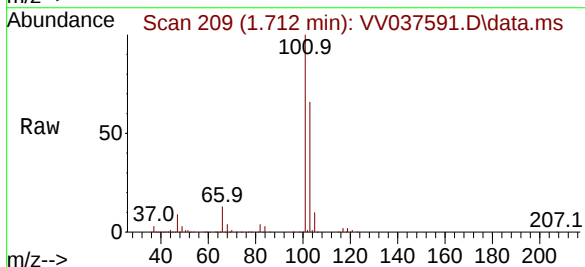
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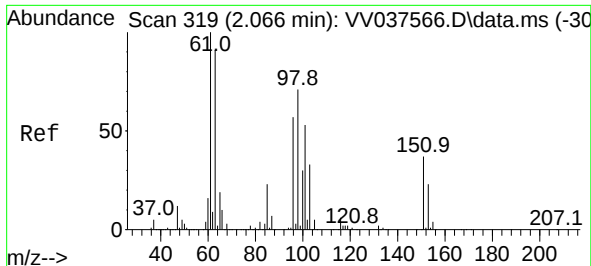
Tgt Ion: 64 Resp: 177508
Ion Ratio Lower Upper
64 100
66 33.1 22.2 41.2



#9
Trichlorofluoromethane
Concen: 47.965 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

Tgt Ion:101 Resp: 404409
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.4

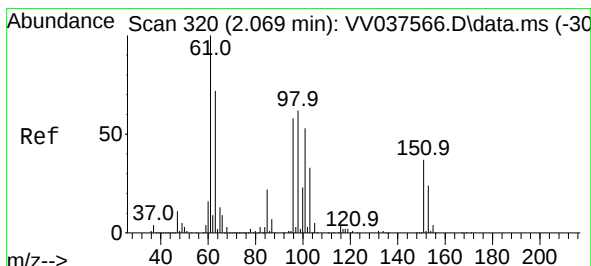
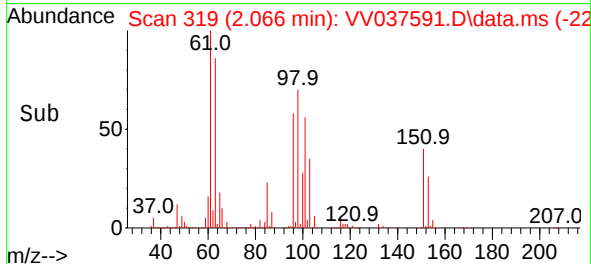
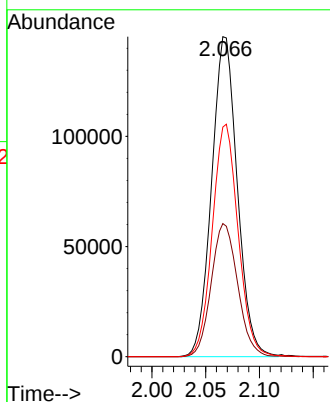
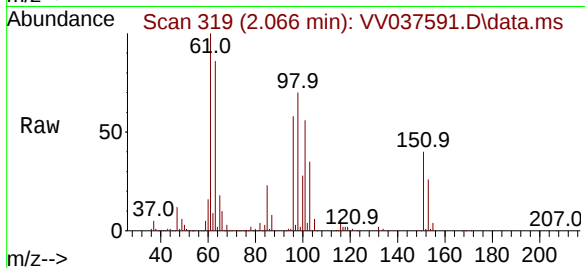




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.980 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV037591.D
 Acq: 27 Sep 2024 08:52

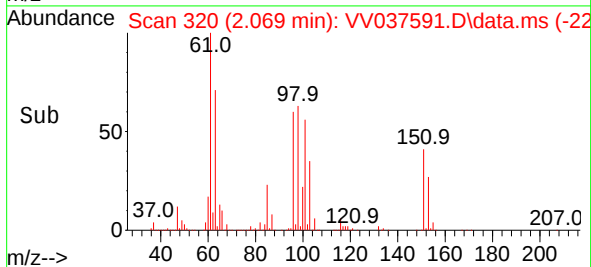
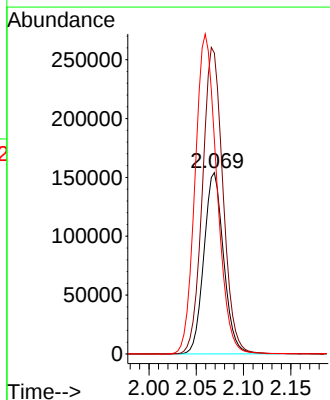
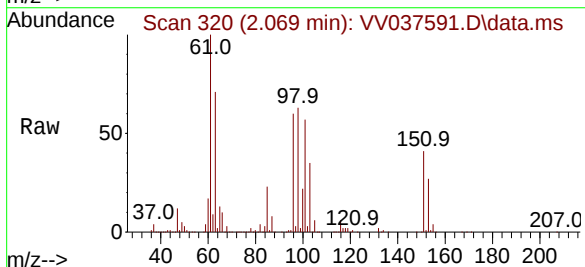
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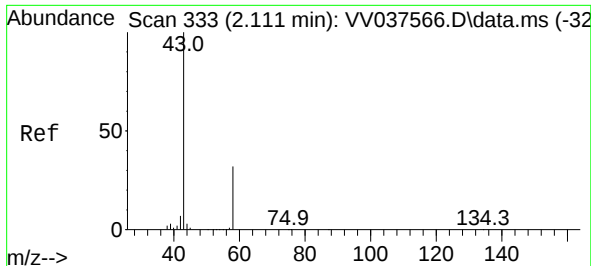
Tgt Ion:101 Resp: 241738
 Ion Ratio Lower Upper
 101 100
 85 42.8 34.6 52.0
 151 73.1 57.5 86.3



#12
 1,1-Dichloroethene
 Concen: 47.482 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV037591.D
 Acq: 27 Sep 2024 08:52

Tgt Ion: 96 Resp: 223468
 Ion Ratio Lower Upper
 96 100
 61 166.0 122.6 227.6
 63 118.3 118.0 219.2





#13

Acetone

Concen: 92.781 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.000 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

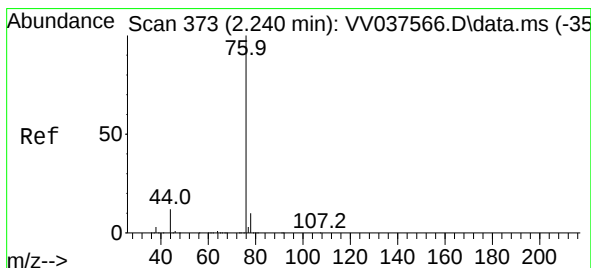
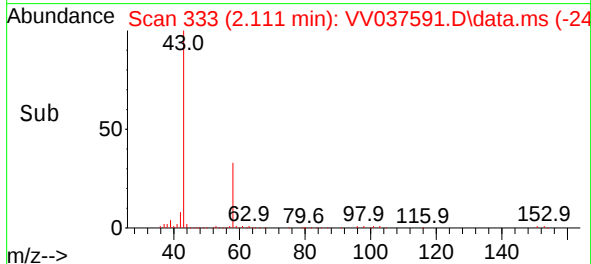
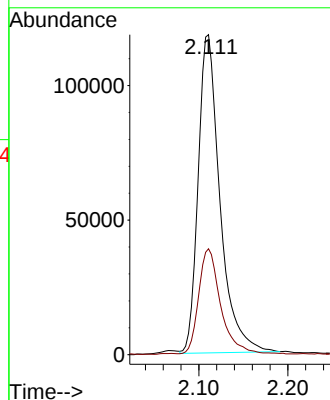
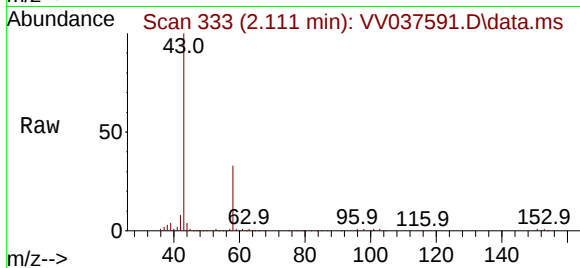
ClientSampleId :

Tgt Ion: 43 Resp: 201040

Ion Ratio Lower Upper

43 100

58 32.9 0.0 66.6



#14

Carbon disulfide

Concen: 45.679 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV037591.D

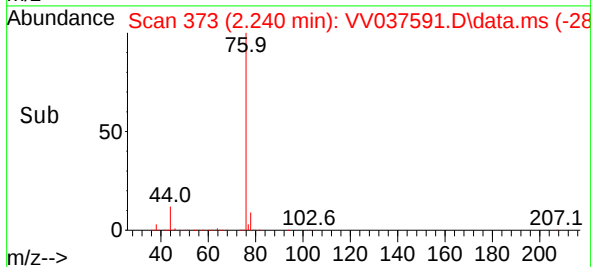
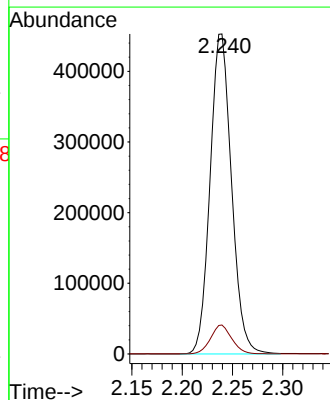
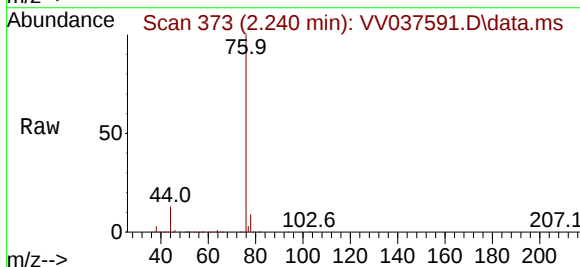
Acq: 27 Sep 2024 08:52

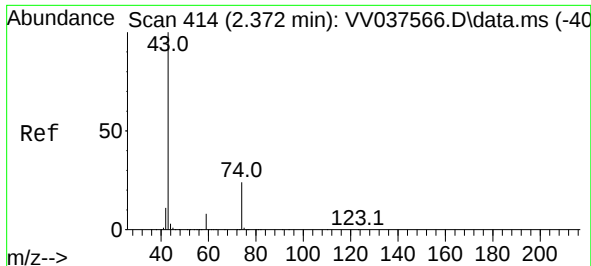
Tgt Ion: 76 Resp: 671055

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





#15

Methyl Acetate

Concen: 44.908 ug/L

RT: 2.368 min Scan# 414

Delta R.T. -0.003 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

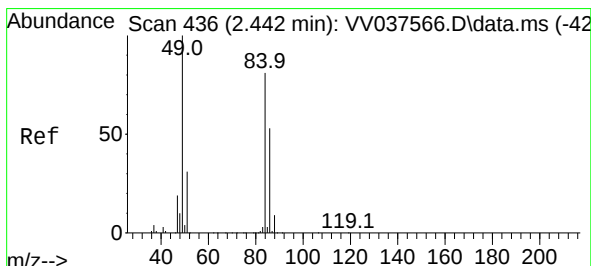
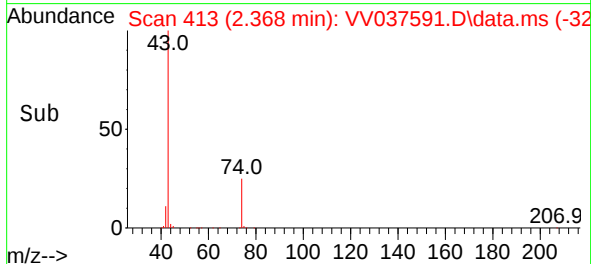
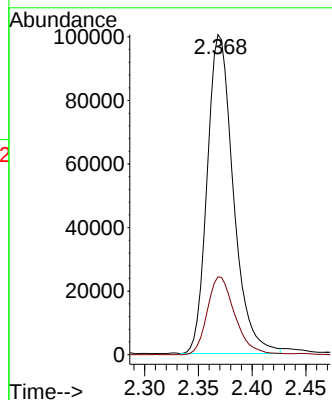
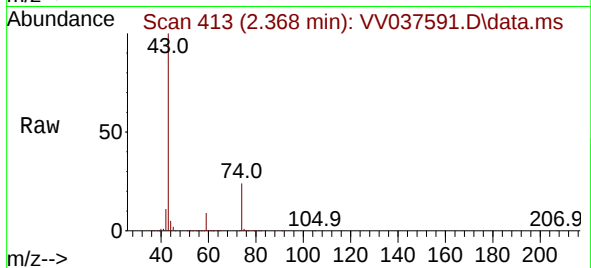
ClientSampleId :

Tgt Ion: 43 Resp: 169813

Ion Ratio Lower Upper

43 100

74 25.8 19.4 29.0



#16

Methylene chloride

Concen: 46.067 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.000 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

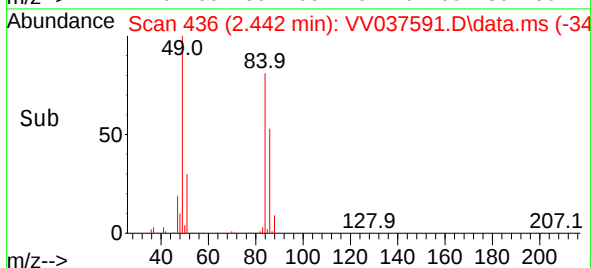
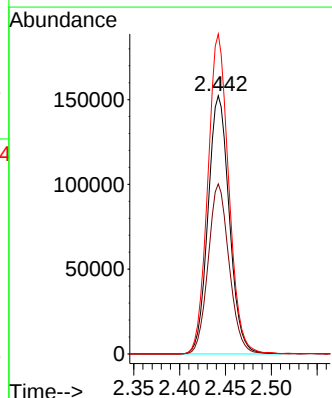
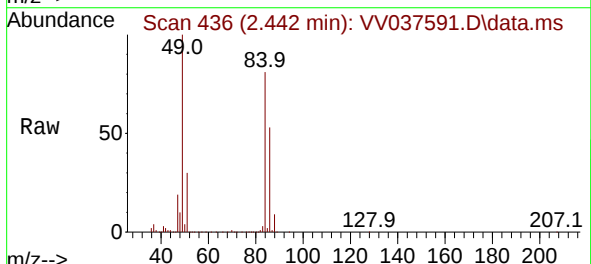
Tgt Ion: 84 Resp: 245486

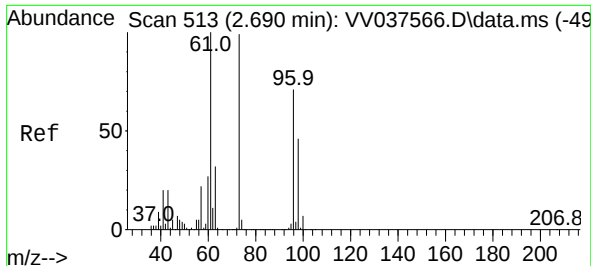
Ion Ratio Lower Upper

84 100

86 65.9 46.4 86.2

49 123.9 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 46.813 ug/L

RT: 2.686 min Scan# 513

Delta R.T. -0.003 min

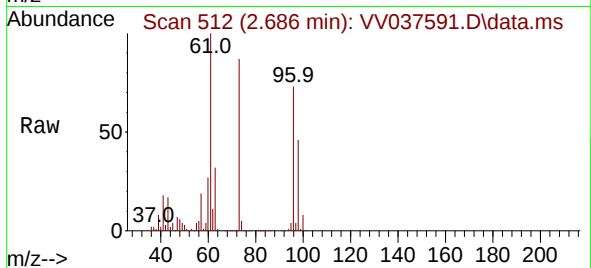
Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

ClientSampleId :



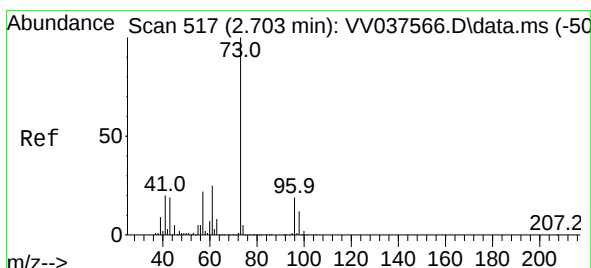
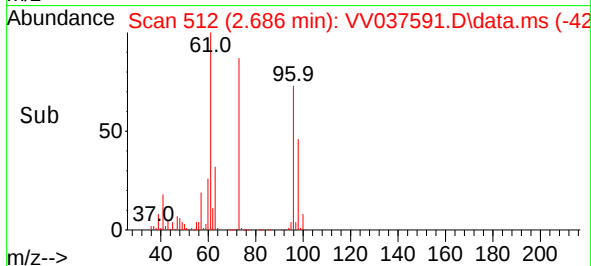
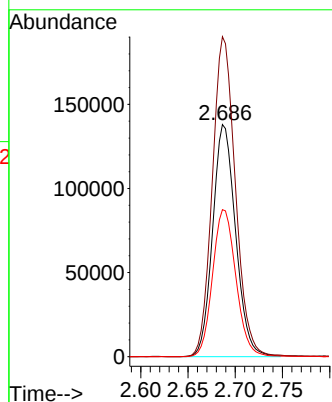
Tgt Ion: 96 Resp: 233079

Ion Ratio Lower Upper

96 100

61 137.8 97.3 180.7

98 63.3 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 47.152 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

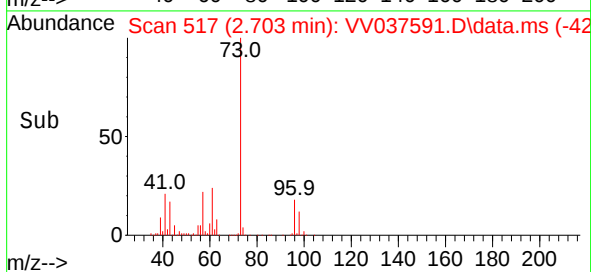
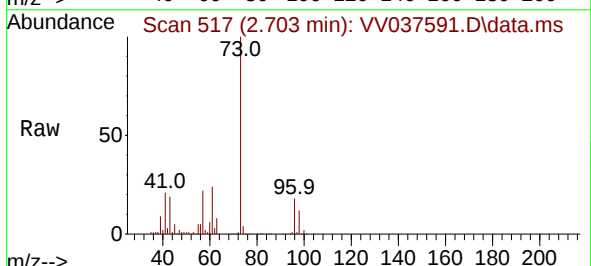
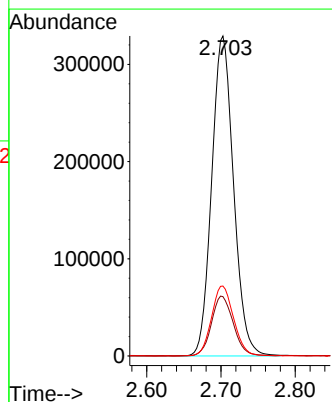
Tgt Ion: 73 Resp: 673544

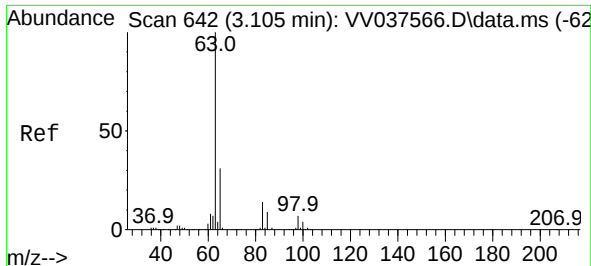
Ion Ratio Lower Upper

73 100

43 18.5 15.1 22.7

57 22.1 17.4 26.2





#19

1,1-Dichloroethane

Concen: 46.987 ug/L

RT: 3.101 min Scan# 641

Delta R.T. -0.003 min

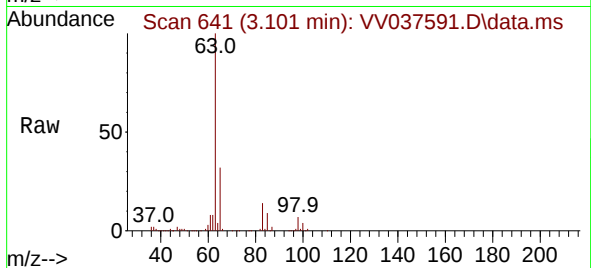
Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

ClientSampleId :



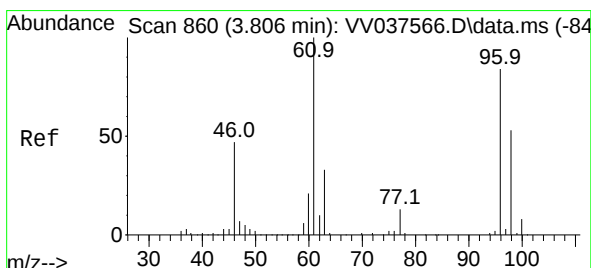
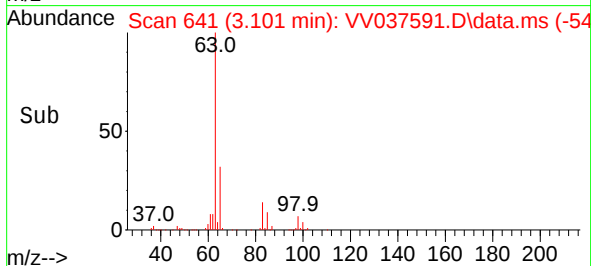
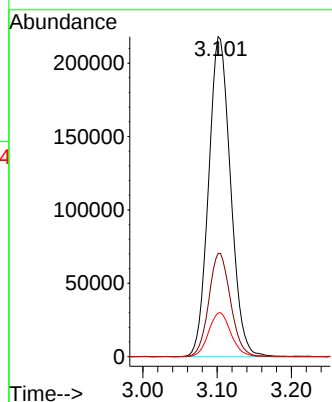
Tgt Ion: 63 Resp: 448230

Ion Ratio Lower Upper

63 100

65 32.3 22.4 41.6

83 13.7 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 47.328 ug/L

RT: 3.805 min Scan# 860

Delta R.T. -0.000 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

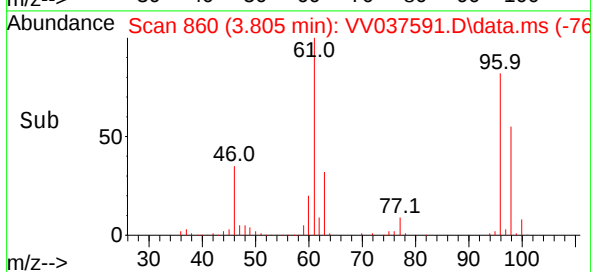
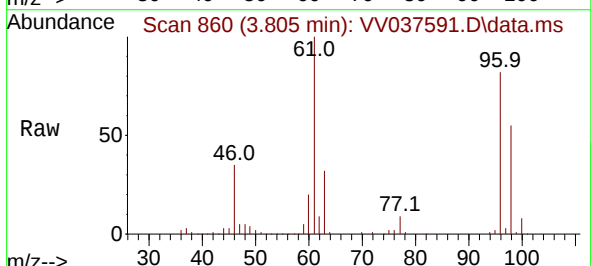
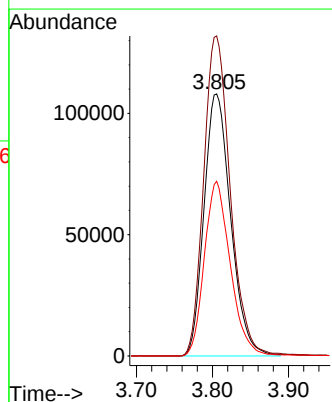
Tgt Ion: 96 Resp: 263692

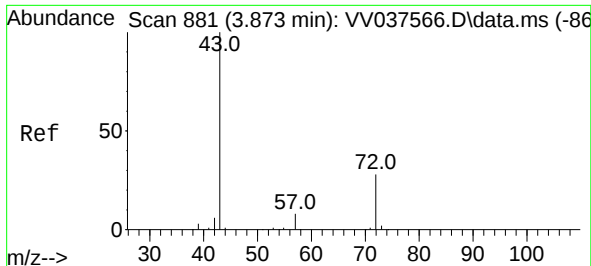
Ion Ratio Lower Upper

96 100

61 122.1 85.0 157.8

98 66.7 44.2 82.0

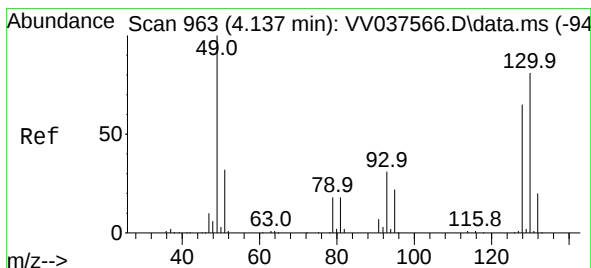
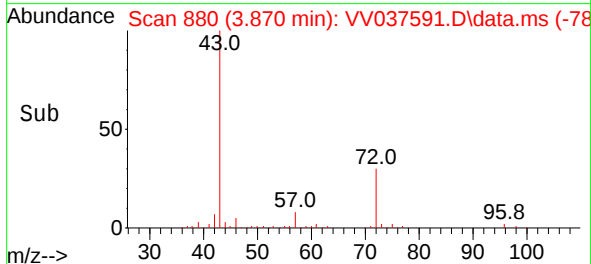
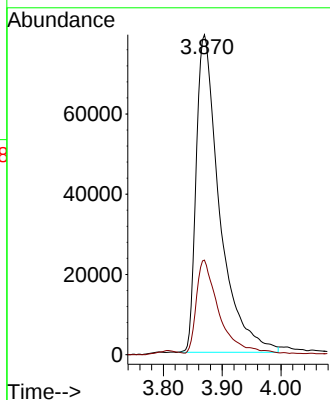
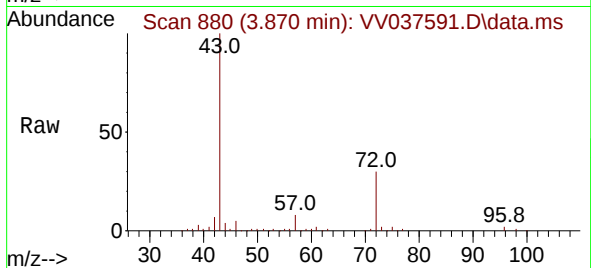




#22
2-Butanone
Concen: 91.330 ug/L
RT: 3.870 min Scan# 881
Delta R.T. -0.003 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

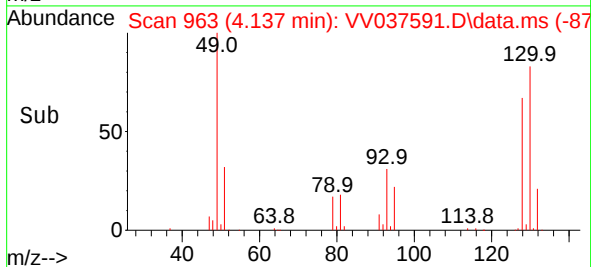
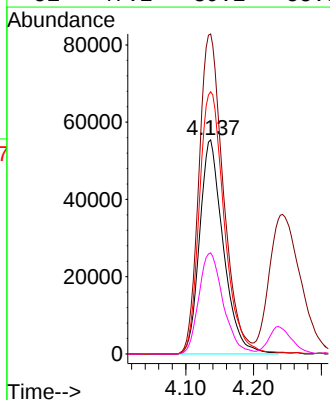
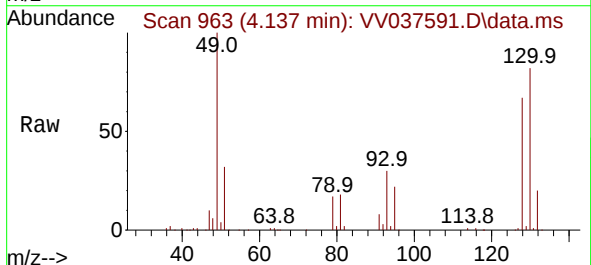
Instrument :
MSVOA_V
ClientSampleId :

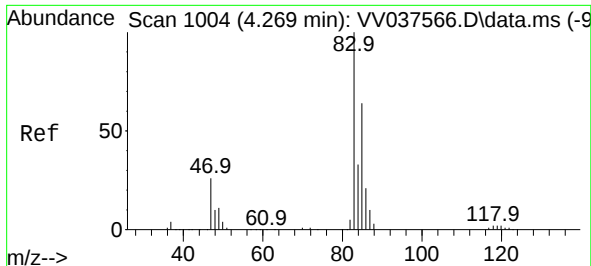
Tgt Ion: 43 Resp: 219039
Ion Ratio Lower Upper
43 100
72 26.7 14.3 42.9



#23
Bromochloromethane
Concen: 46.528 ug/L
RT: 4.137 min Scan# 963
Delta R.T. -0.000 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

Tgt Ion:128 Resp: 134099
Ion Ratio Lower Upper
128 100
49 149.5 108.7 201.9
130 122.5 90.4 168.0
51 47.2 39.2 58.8





#25

Chloroform

Concen: 46.747 ug/L

RT: 4.265 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

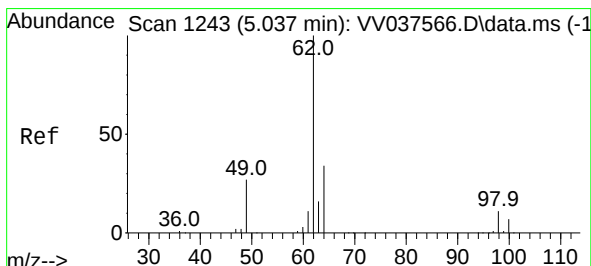
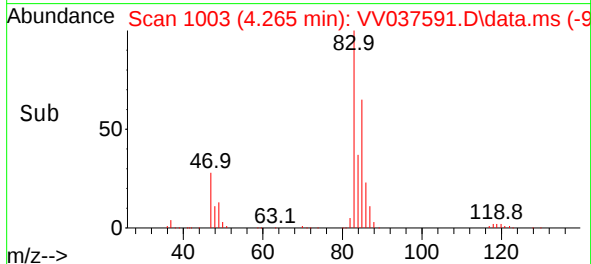
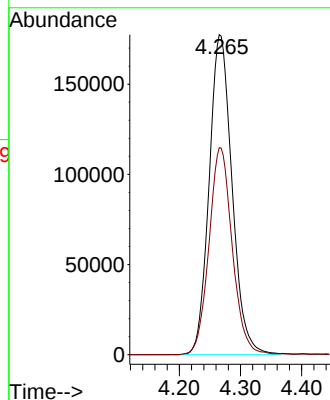
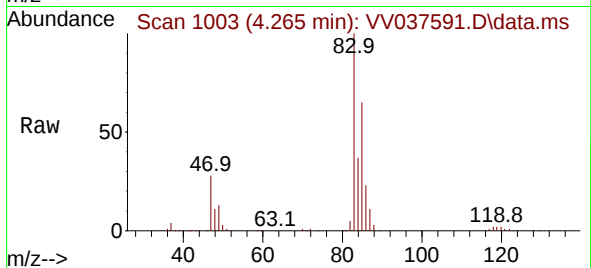
ClientSampleId :

Tgt Ion: 83 Resp: 461707

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.7



#27

1,2-Dichloroethane

Concen: 46.404 ug/L

RT: 5.030 min Scan# 1241

Delta R.T. -0.007 min

Lab File: VV037591.D

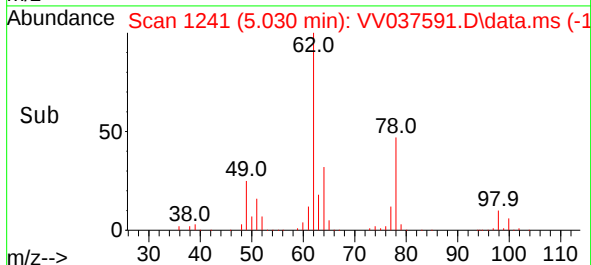
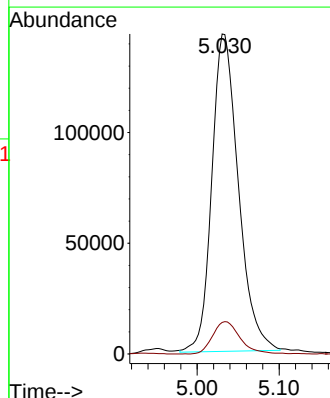
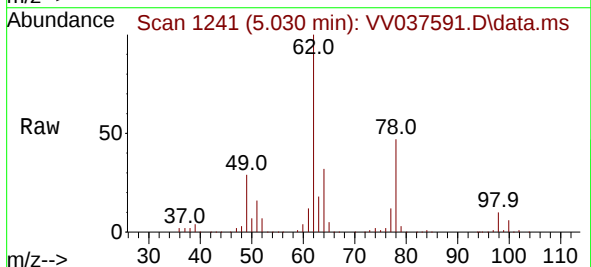
Acq: 27 Sep 2024 08:52

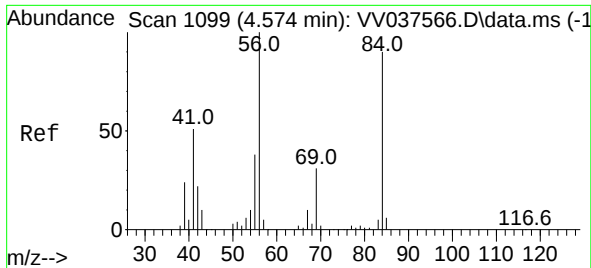
Tgt Ion: 62 Resp: 323553

Ion Ratio Lower Upper

62 100

98 9.8 8.4 12.6





#29

Cyclohexane

Concen: 47.075 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. -0.003 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

ClientSampleId :

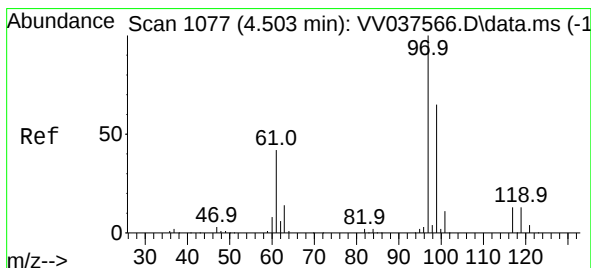
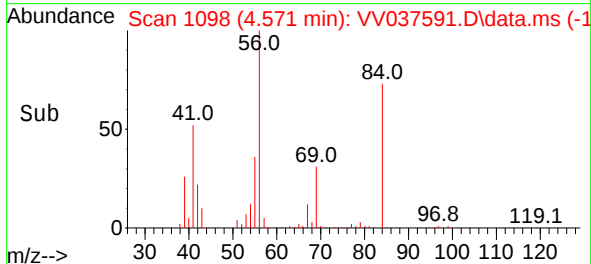
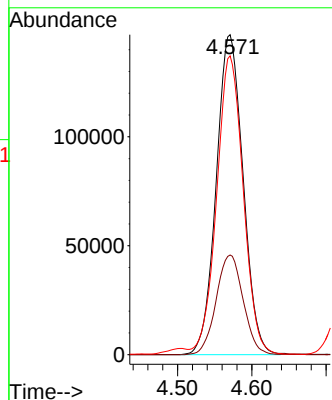
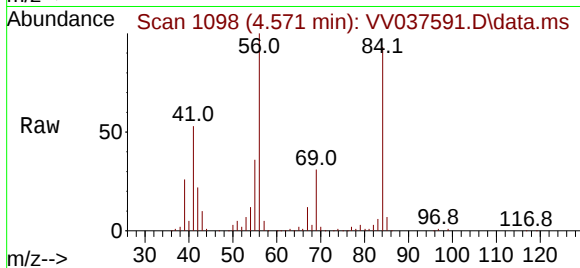
Tgt Ion: 56 Resp: 368502

Ion Ratio Lower Upper

56 100

69 31.4 24.7 37.1

84 92.2 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 46.559 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. -0.003 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

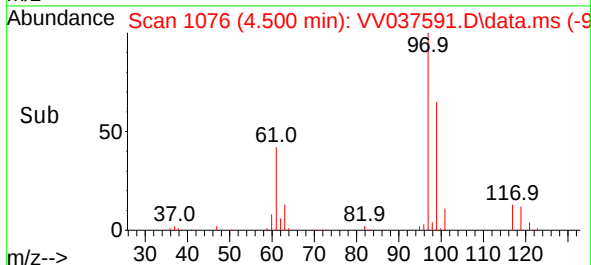
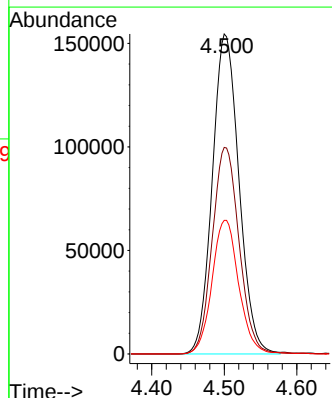
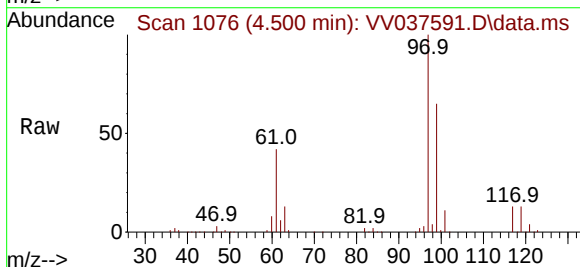
Tgt Ion: 97 Resp: 395347

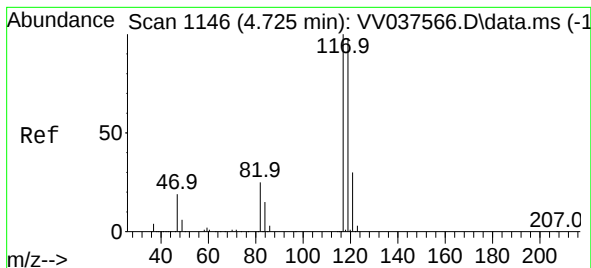
Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

61 41.5 33.6 50.4





#31

Carbon tetrachloride

Concen: 47.155 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

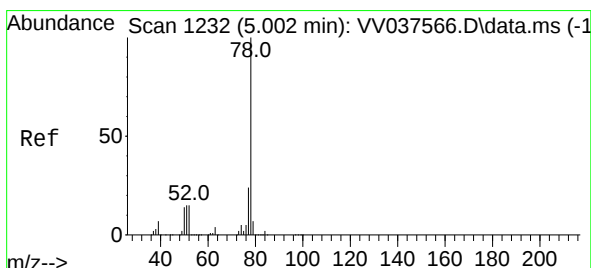
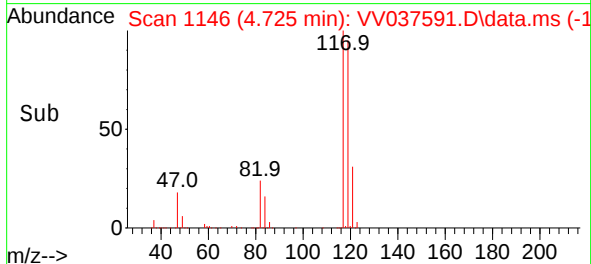
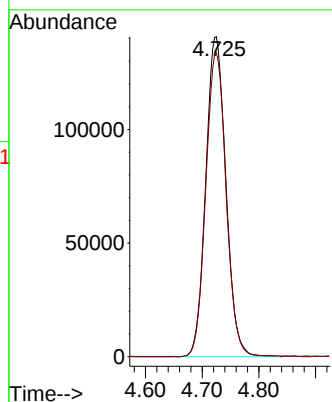
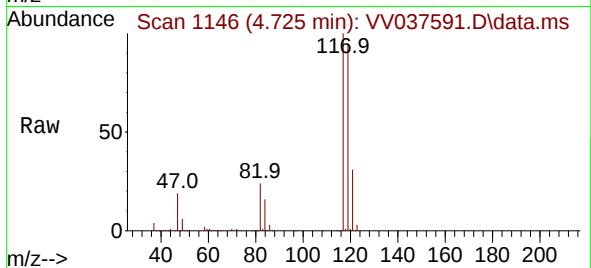
ClientSampleId :

Tgt Ion:117 Resp: 348123

Ion Ratio Lower Upper

117 100

119 95.6 76.9 115.3



#33

Benzene

Concen: 47.459 ug/L

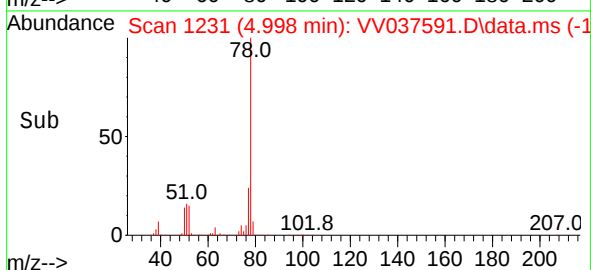
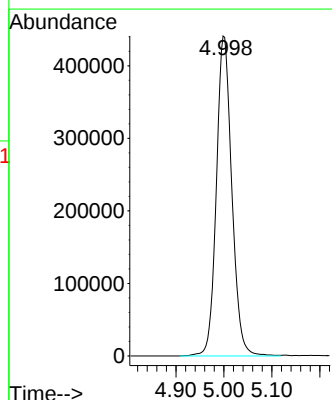
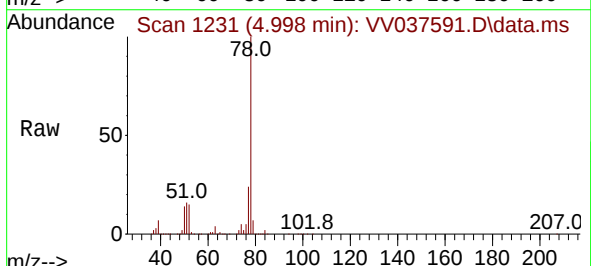
RT: 4.998 min Scan# 1231

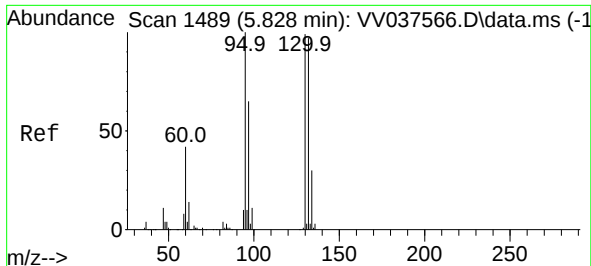
Delta R.T. -0.003 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Tgt Ion: 78 Resp: 986813





#34

Trichloroethene

Concen: 46.969 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

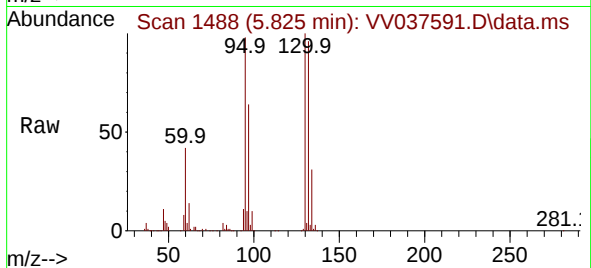
Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 260086

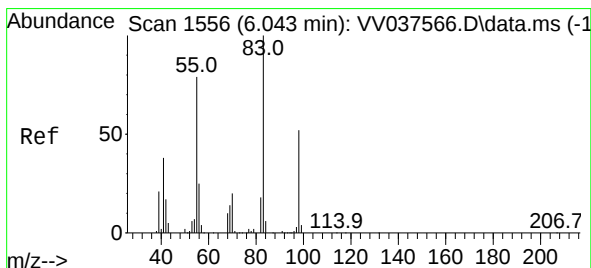
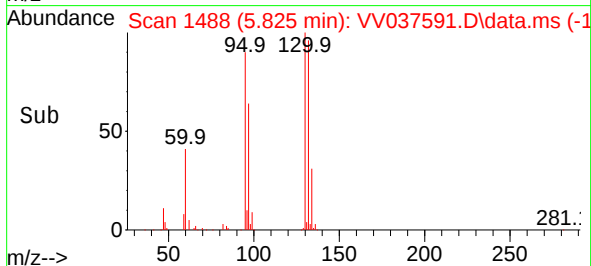
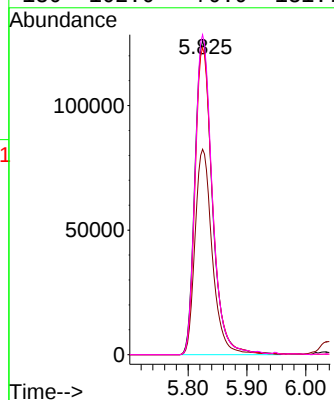
Ion Ratio Lower Upper

95 100

97 65.5 46.3 85.9

132 97.9 68.6 127.4

130 102.0 70.9 131.7



#35

Methylcyclohexane

Concen: 48.480 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. -0.003 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

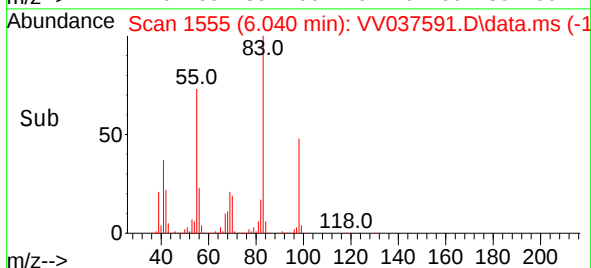
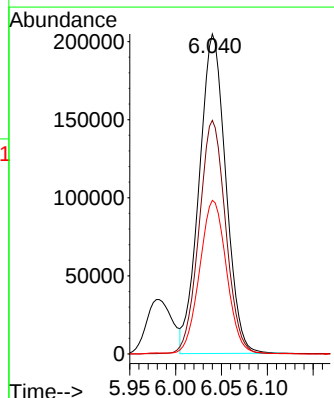
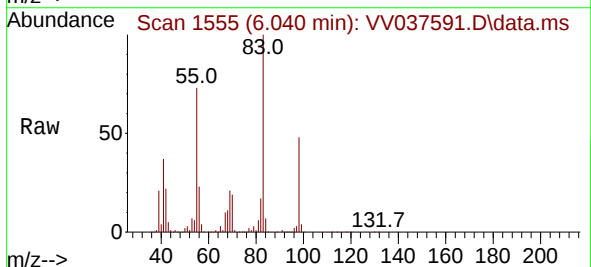
Tgt Ion: 83 Resp: 412982

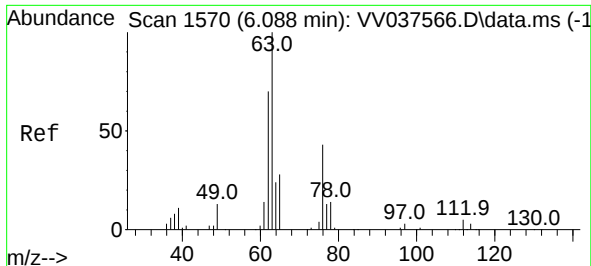
Ion Ratio Lower Upper

83 100

55 73.3 57.9 86.9

98 48.8 39.3 58.9

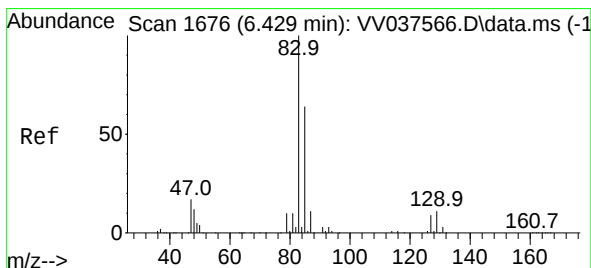
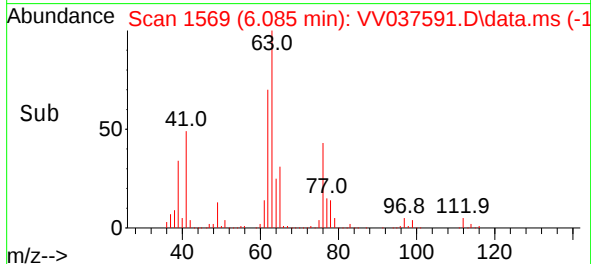
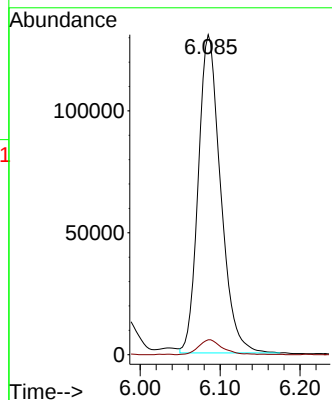
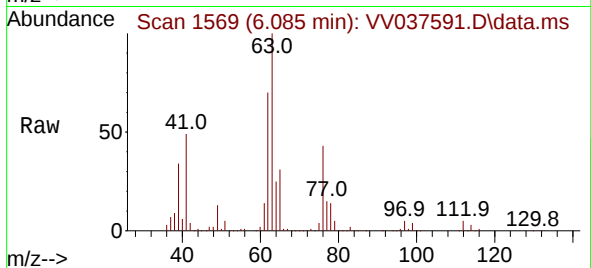




#37
1,2-Dichloropropane
Concen: 47.293 ug/L
RT: 6.085 min Scan# 1569
Delta R.T. -0.003 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

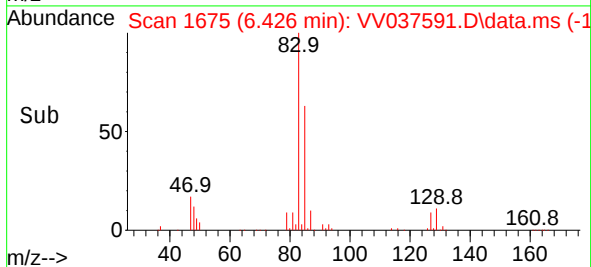
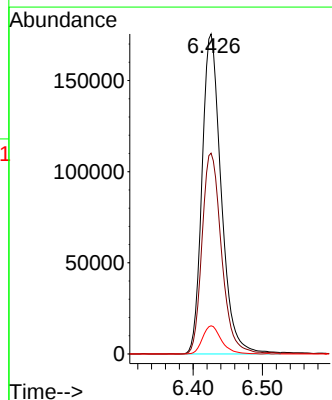
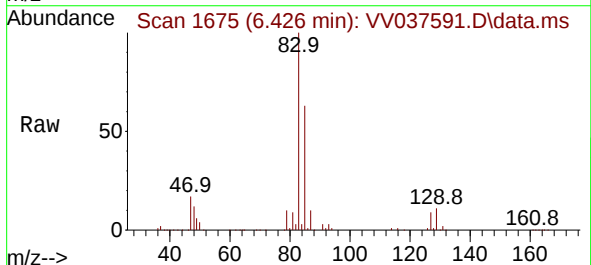
Instrument :
MSVOA_V
ClientSampleId :

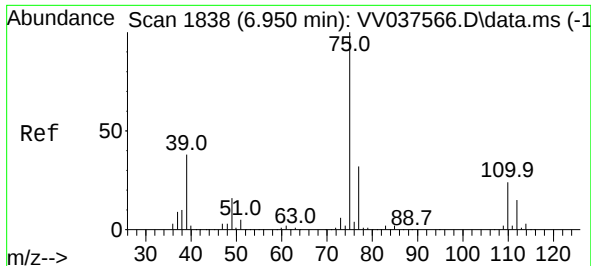
Tgt Ion: 63 Resp: 253930
Ion Ratio Lower Upper
63 100
112 4.9 3.5 5.3



#38
Bromodichloromethane
Concen: 47.047 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.003 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

Tgt Ion: 83 Resp: 337686
Ion Ratio Lower Upper
83 100
85 62.7 45.7 84.9
127 8.8 7.0 10.4

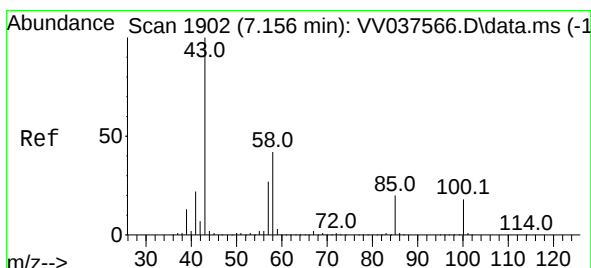
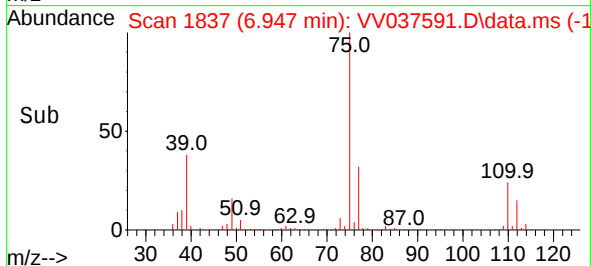
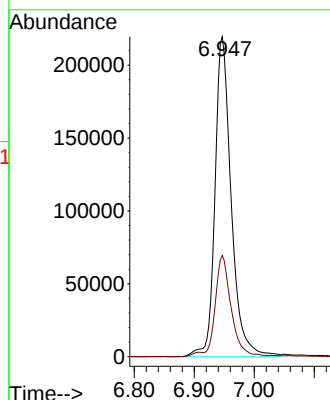
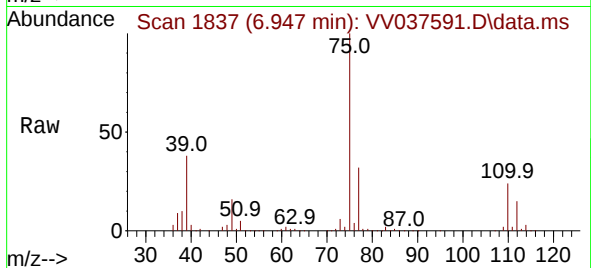




#39
 cis-1,3-Dichloropropene
 Concen: 48.269 ug/L
 RT: 6.947 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VV037591.D
 Acq: 27 Sep 2024 08:52

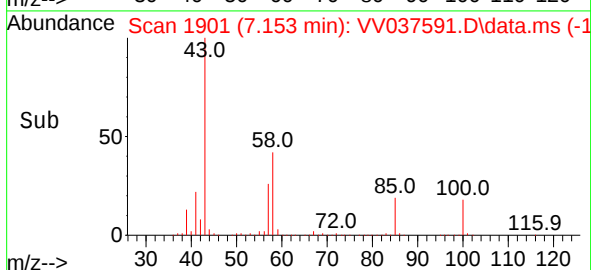
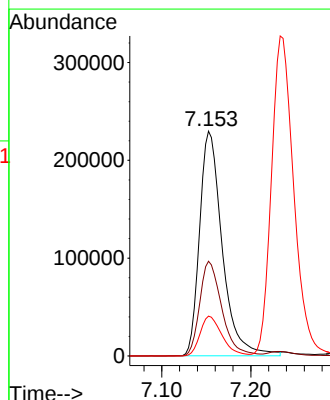
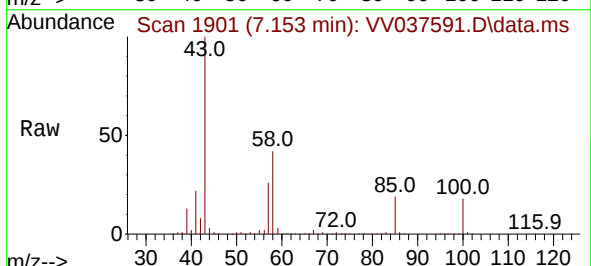
Instrument :
 MSVOA_V
 ClientSampleId :

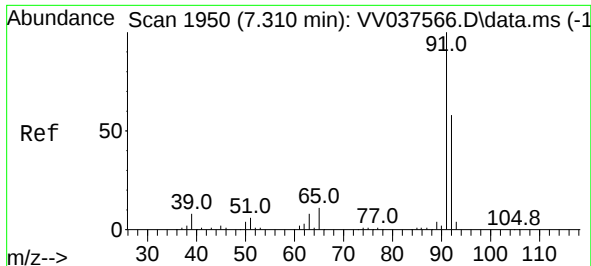
Tgt Ion: 75 Resp: 413705
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 92.998 ug/L
 RT: 7.153 min Scan# 1901
 Delta R.T. -0.003 min
 Lab File: VV037591.D
 Acq: 27 Sep 2024 08:52

Tgt Ion: 43 Resp: 406562
 Ion Ratio Lower Upper
 43 100
 58 40.9 33.0 49.4
 100 17.2 13.7 20.5

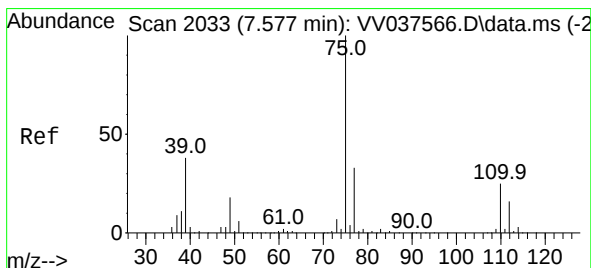
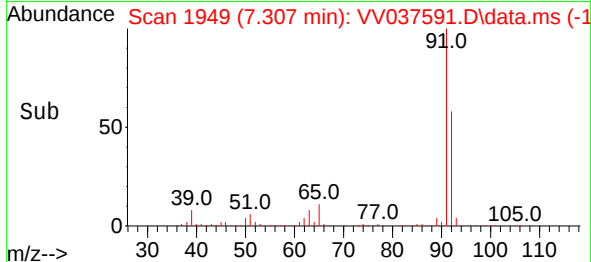
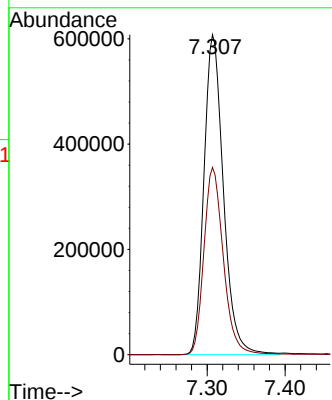
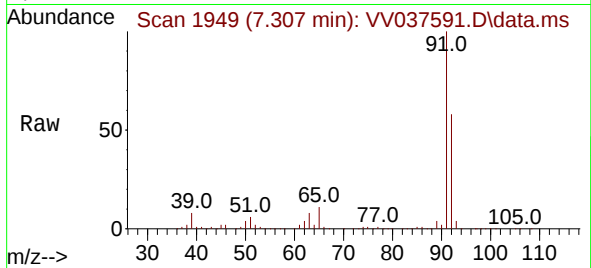




#42
Toluene
Concen: 48.836 ug/L
RT: 7.307 min Scan# 1949
Delta R.T. -0.003 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

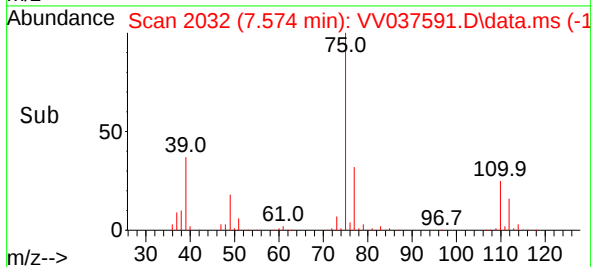
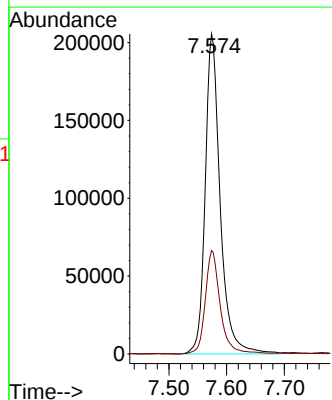
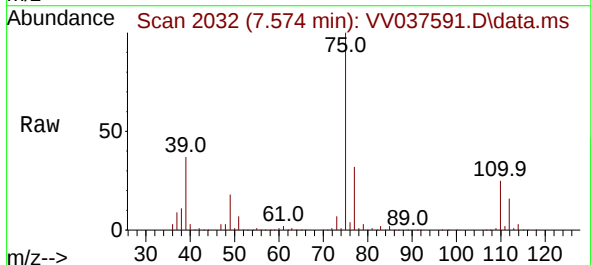
Instrument :
MSVOA_V
ClientSampleId :

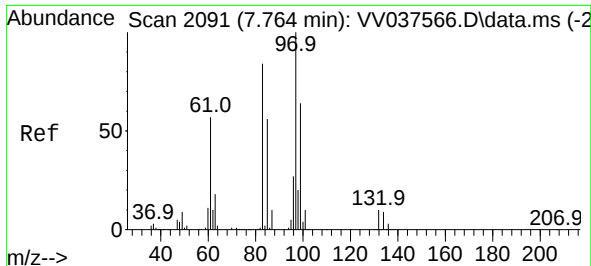
Tgt Ion: 91 Resp: 1052696
Ion Ratio Lower Upper
91 100
92 58.5 41.1 76.3



#44
trans-1,3-Dichloropropene
Concen: 48.123 ug/L
RT: 7.574 min Scan# 2032
Delta R.T. -0.003 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

Tgt Ion: 75 Resp: 371334
Ion Ratio Lower Upper
75 100
77 32.3 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 46.628 ug/L

RT: 7.760 min Scan# 2091

Delta R.T. -0.003 min

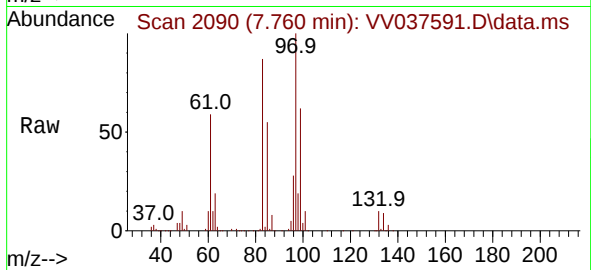
Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 97 Resp: 240397

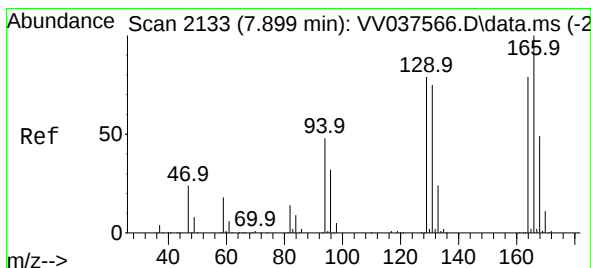
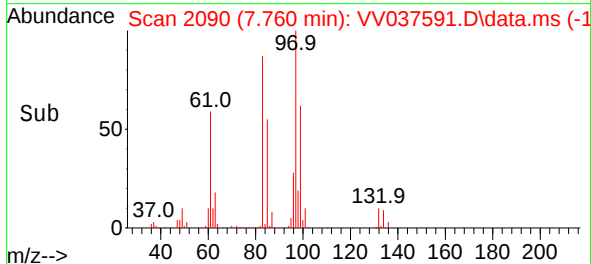
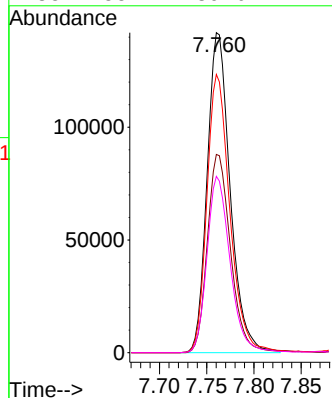
Ion Ratio Lower Upper

97 100

99 62.0 44.1 81.9

83 87.0 59.3 110.1

85 55.1 39.0 72.4



#46

Tetrachloroethene

Concen: 47.201 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. -0.003 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Tgt Ion: 164 Resp: 199834

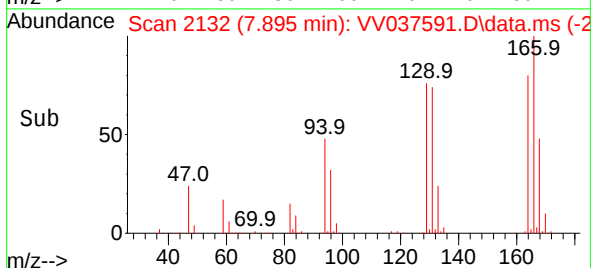
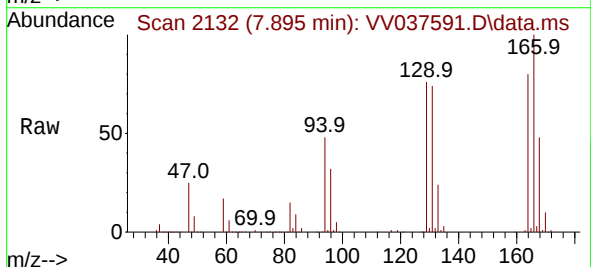
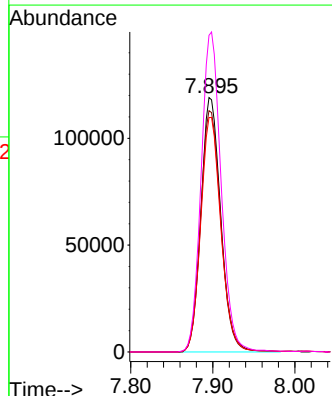
Ion Ratio Lower Upper

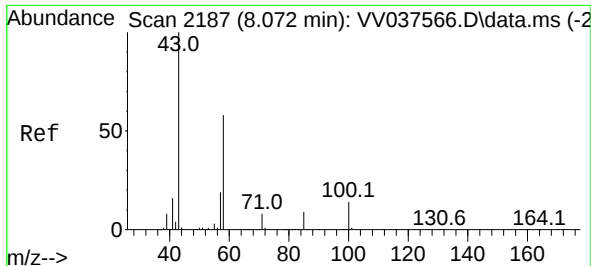
164 100

129 94.8 68.2 126.6

131 92.2 66.1 122.8

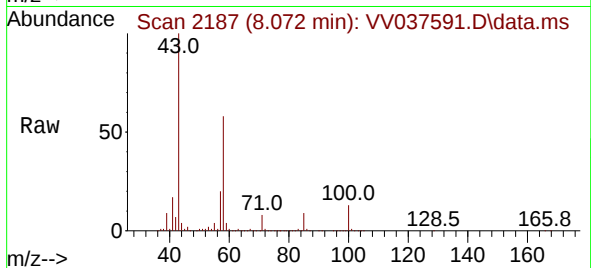
166 124.5 91.1 169.1



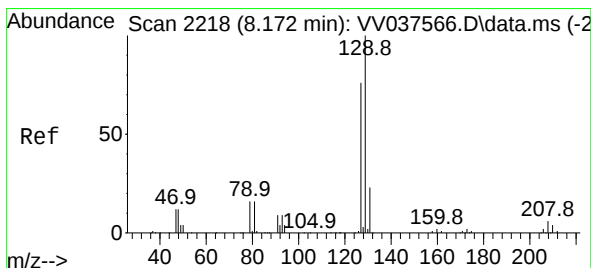
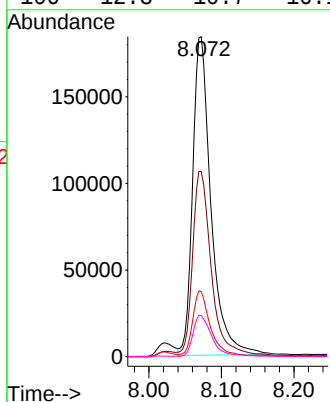
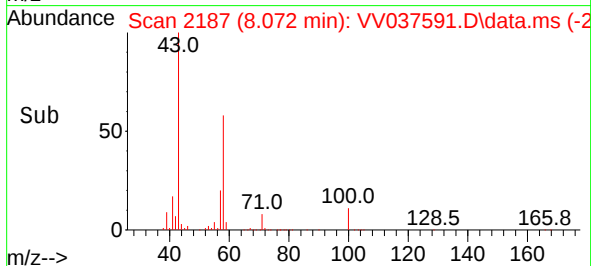


#48
2-Hexanone
Concen: 95.344 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

Instrument :
MSVOA_V
ClientSampleId :

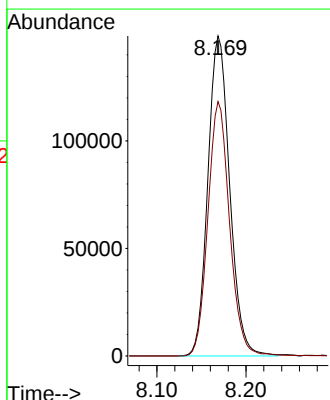
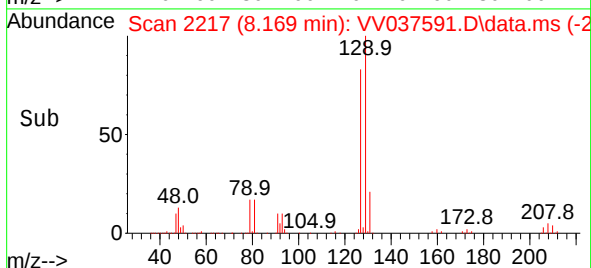
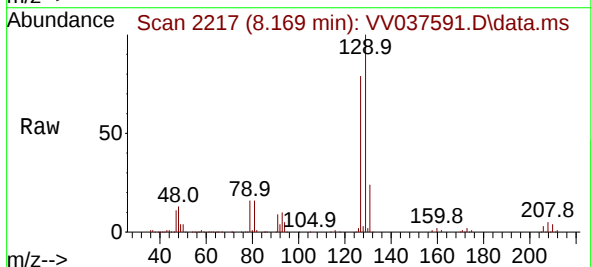


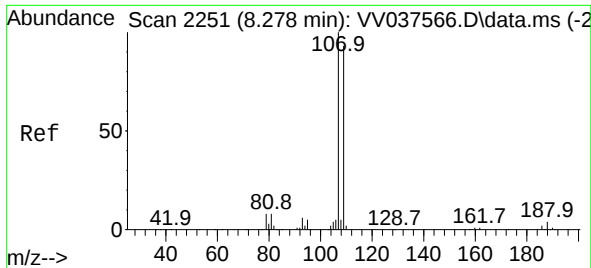
Tgt Ion: 43 Resp: 324110
Ion Ratio Lower Upper
43 100
58 58.7 46.5 69.7
57 19.1 15.1 22.7
100 12.8 10.7 16.1



#49
Dibromochloromethane
Concen: 46.424 ug/L
RT: 8.169 min Scan# 2217
Delta R.T. -0.003 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

Tgt Ion: 129 Resp: 253315
Ion Ratio Lower Upper
129 100
127 79.5 54.9 101.9

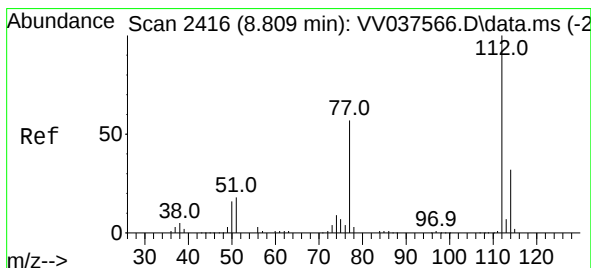
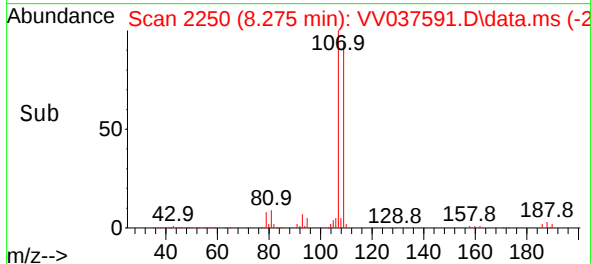
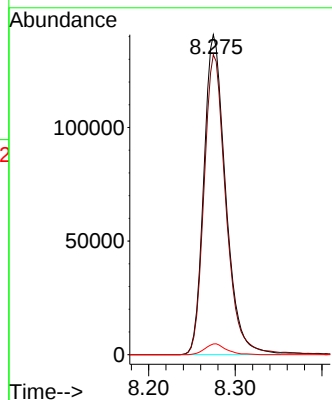
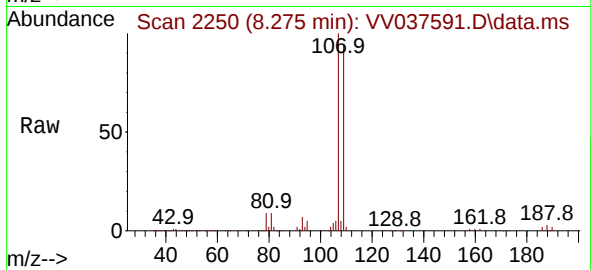




#50
1,2-Dibromoethane
Concen: 46.185 ug/L
RT: 8.275 min Scan# 2415
Delta R.T. -0.003 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

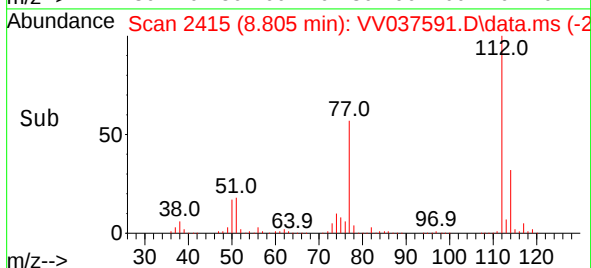
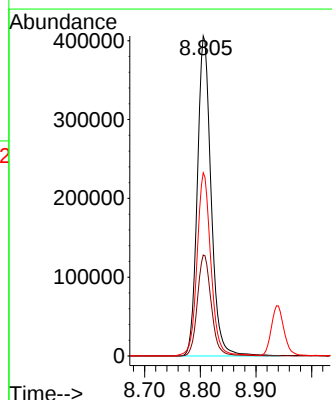
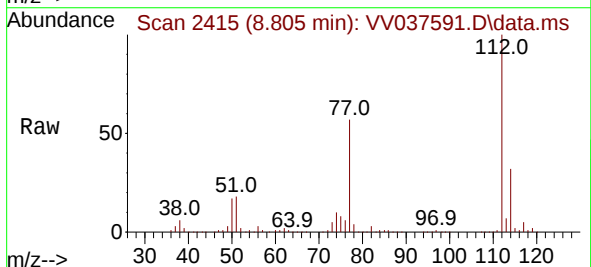
Instrument :
MSVOA_V
ClientSampleId :

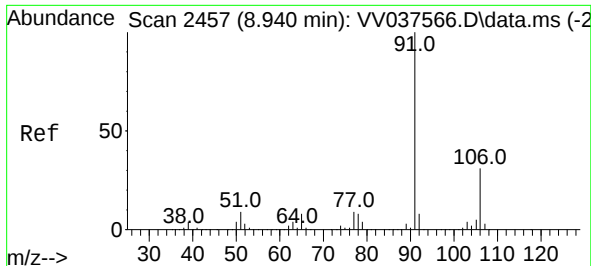
Tgt Ion:107 Resp: 246134
Ion Ratio Lower Upper
107 100
109 93.8 65.7 121.9
188 3.4 2.8 4.2



#51
Chlorobenzene
Concen: 47.457 ug/L
RT: 8.805 min Scan# 2415
Delta R.T. -0.003 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

Tgt Ion:112 Resp: 696955
Ion Ratio Lower Upper
112 100
114 31.5 22.5 41.7
77 57.3 45.8 68.8





#52

Ethylbenzene

Concen: 48.268 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. -0.000 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

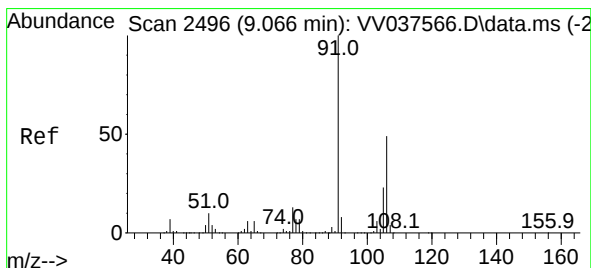
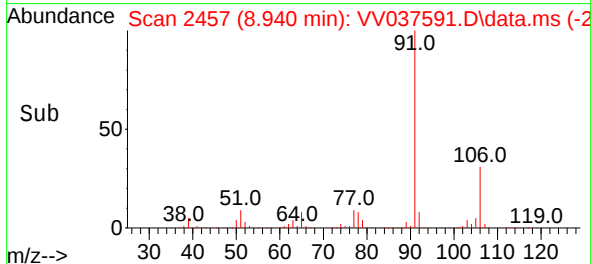
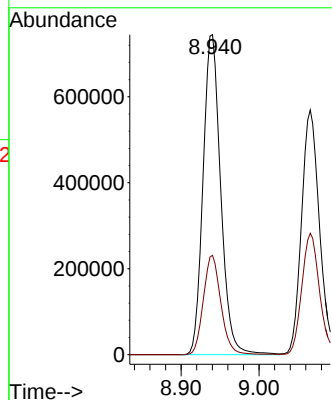
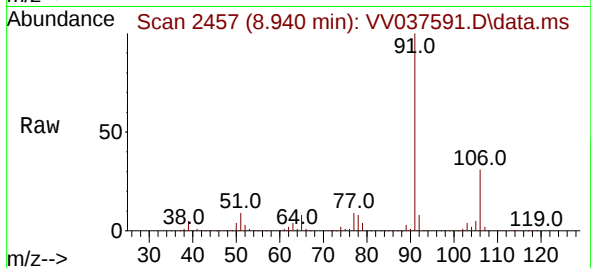
ClientSampleId :

Tgt Ion: 91 Resp: 1171182

Ion Ratio Lower Upper

91 100

106 31.0 21.9 40.7



#53

m,p-Xylene

Concen: 49.979 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. -0.000 min

Lab File: VV037591.D

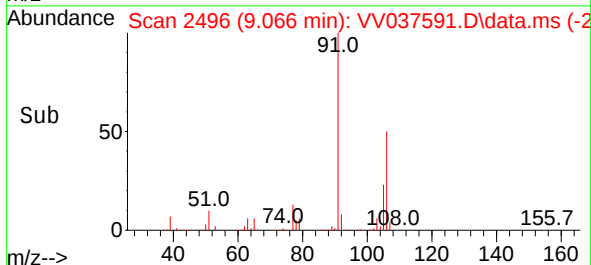
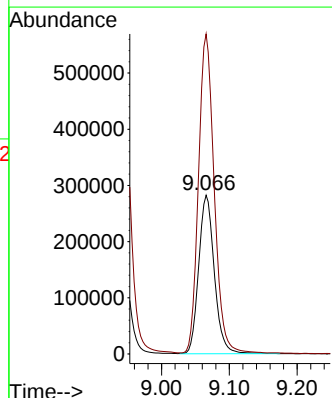
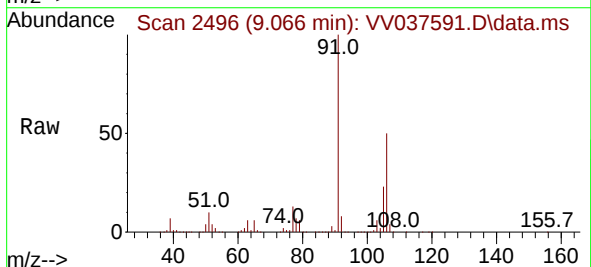
Acq: 27 Sep 2024 08:52

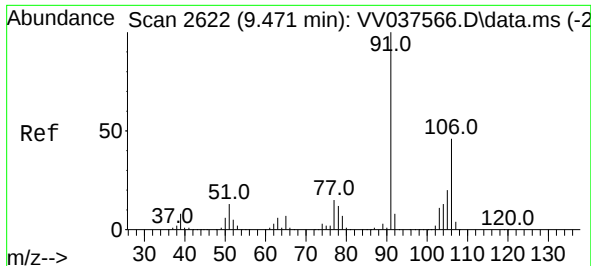
Tgt Ion:106 Resp: 451334

Ion Ratio Lower Upper

106 100

91 201.6 142.0 263.6

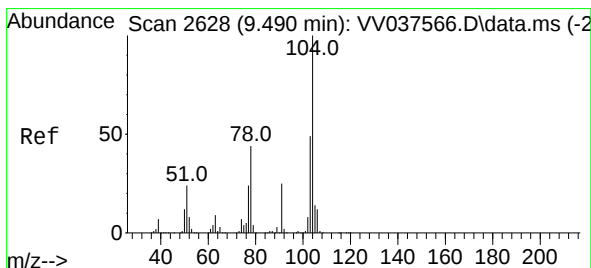
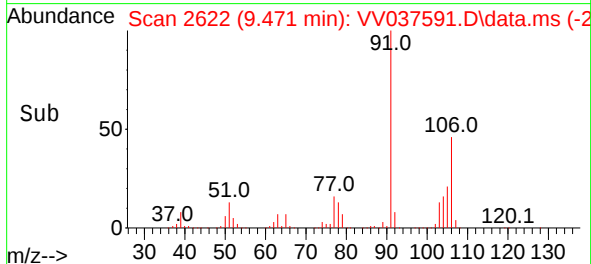
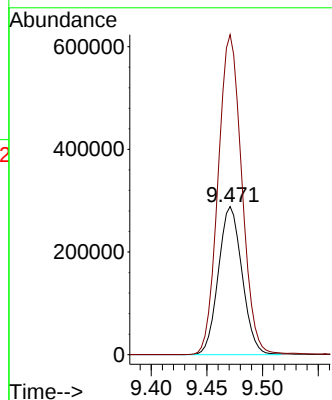
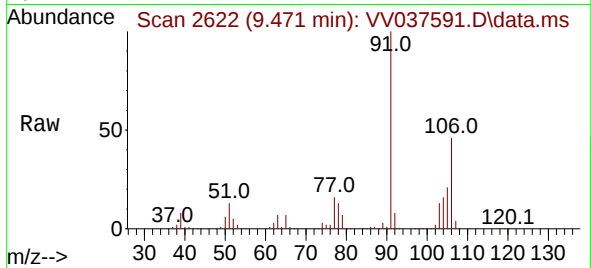




#54
o-Xylene
Concen: 48.362 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. -0.000 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

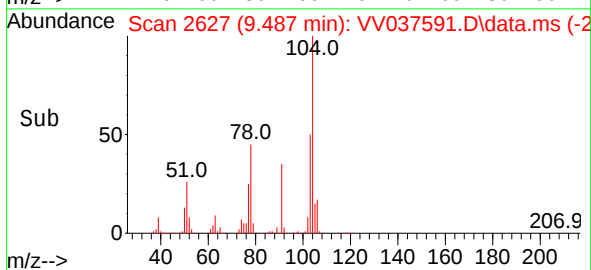
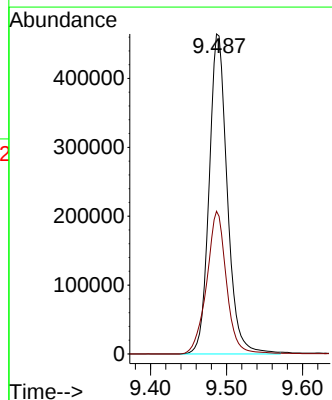
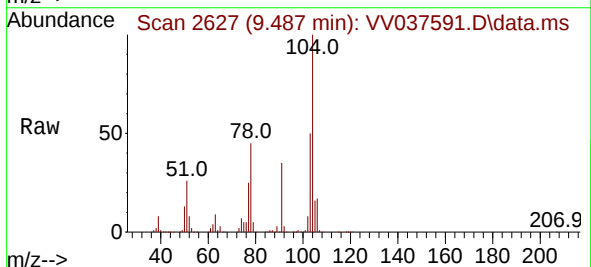
Instrument :
MSVOA_V
ClientSampleId :

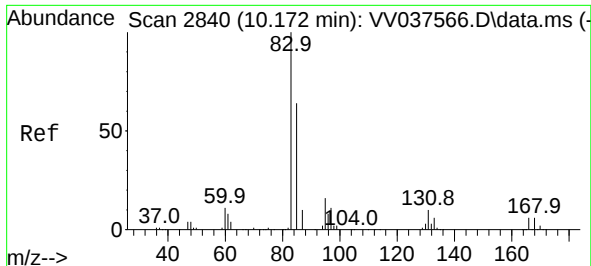
Tgt Ion:106 Resp: 426372
Ion Ratio Lower Upper
106 100
91 215.9 153.9 285.9



#55
Styrene
Concen: 50.153 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.003 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

Tgt Ion:104 Resp: 769738
Ion Ratio Lower Upper
104 100
78 44.6 30.0 55.6

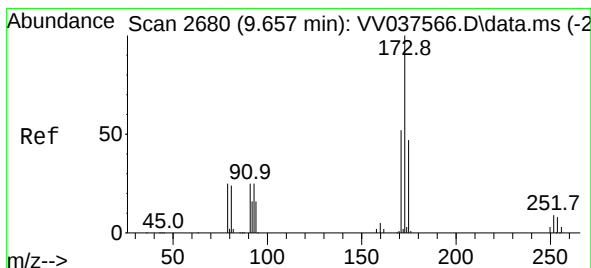
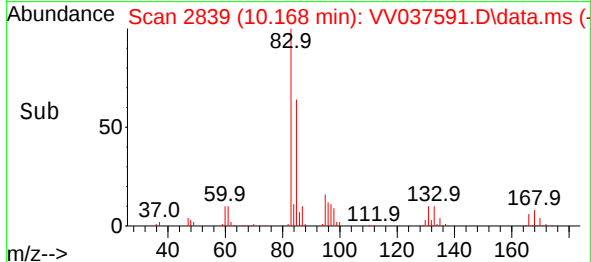
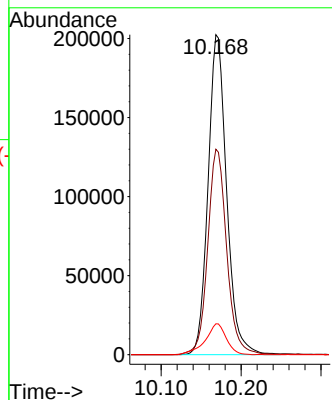
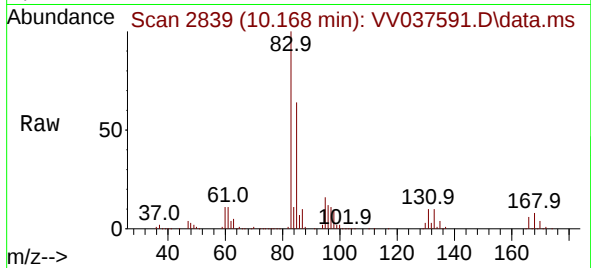




#57
1,1,2,2-Tetrachloroethane
Concen: 45.517 ug/L
RT: 10.168 min Scan# 2839
Delta R.T. -0.003 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

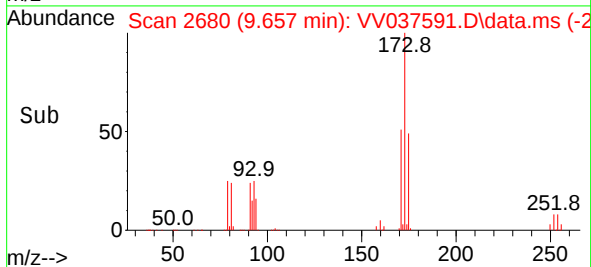
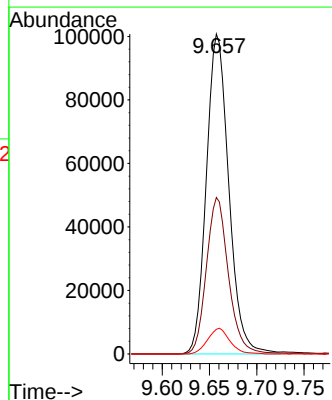
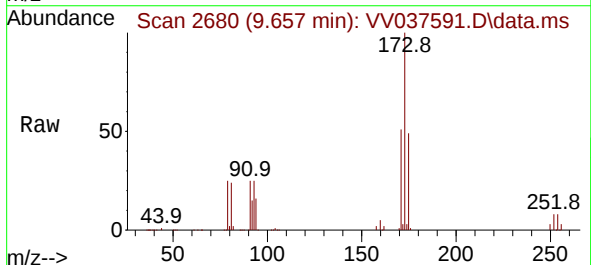
Instrument :
MSVOA_V
ClientSampleId :

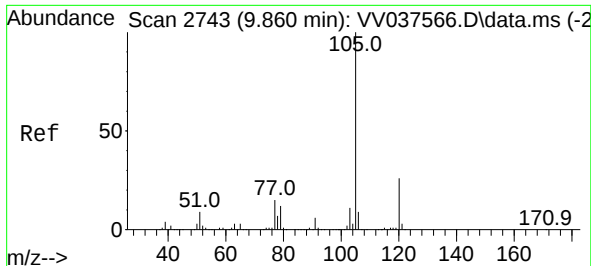
Tgt Ion: 83 Resp: 327180
Ion Ratio Lower Upper
83 100
85 64.2 45.9 85.3
131 9.7 7.9 11.9



#59
Bromoform
Concen: 45.501 ug/L
RT: 9.657 min Scan# 2680
Delta R.T. -0.000 min
Lab File: VV037591.D
Acq: 27 Sep 2024 08:52

Tgt Ion: 173 Resp: 166435
Ion Ratio Lower Upper
173 100
175 48.0 40.0 60.0
254 7.9 6.5 9.7





#60

Isopropylbenzene

Concen: 48.236 ug/L

RT: 9.860 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

ClientSampleId :

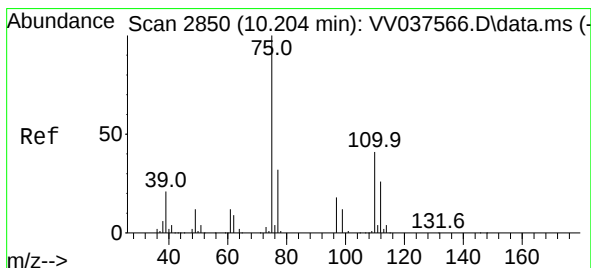
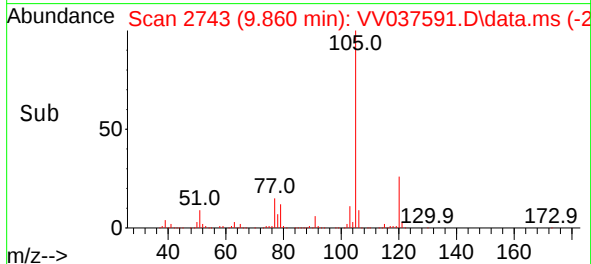
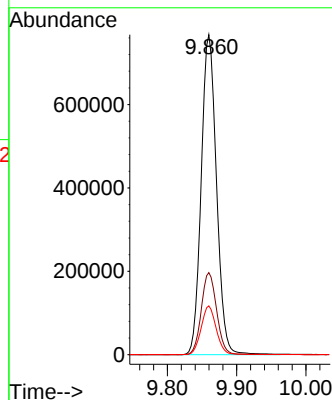
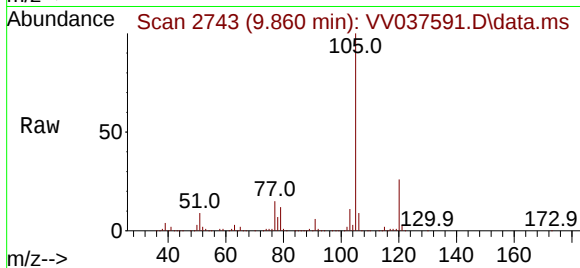
Tgt Ion:105 Resp: 1173658

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

77 15.1 12.2 18.2



#61

1,2,3-Trichloropropane

Concen: 45.179 ug/L

RT: 10.201 min Scan# 2849

Delta R.T. -0.003 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

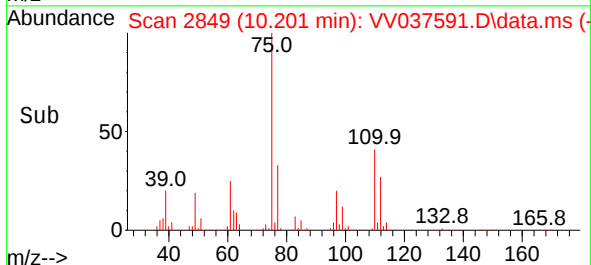
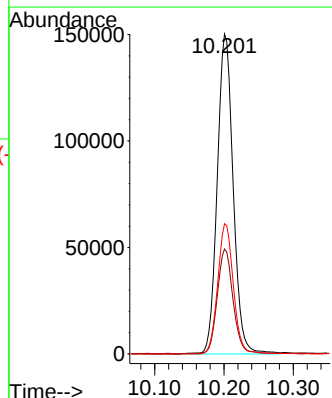
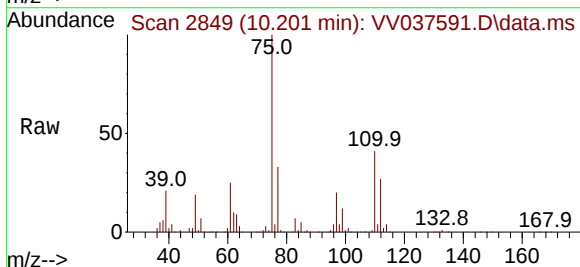
Tgt Ion: 75 Resp: 240598

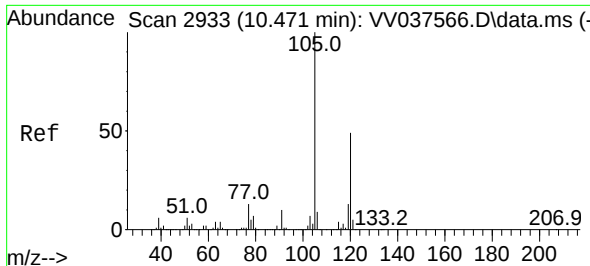
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

110 39.9 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 49.021 ug/L

RT: 10.467 min Scan# 2933

Delta R.T. -0.003 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

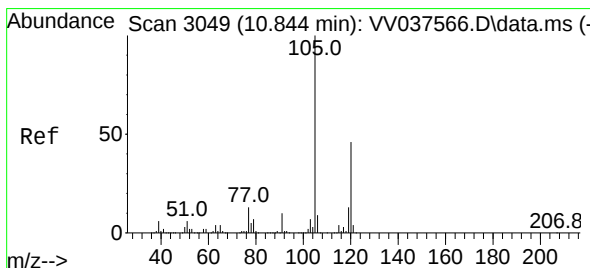
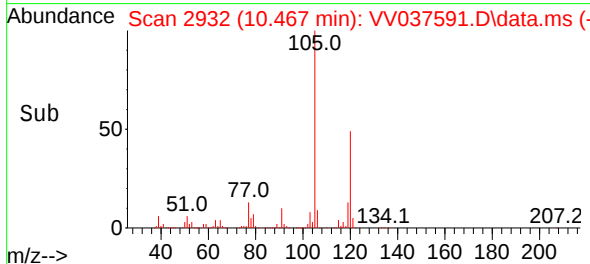
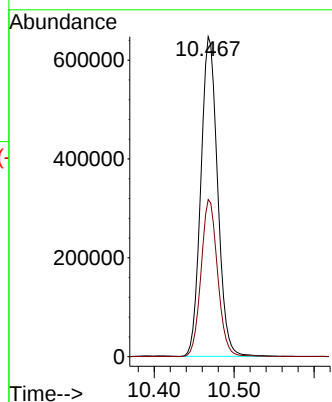
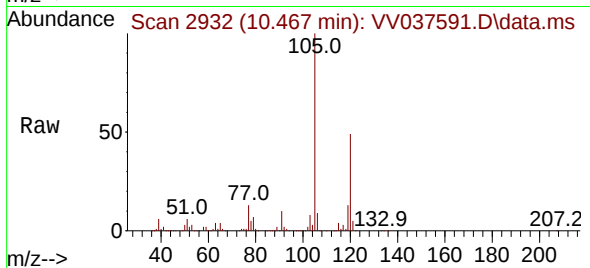
ClientSampleId :

Tgt Ion:105 Resp: 943006

Ion Ratio Lower Upper

105 100

120 48.6 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 49.625 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV037591.D

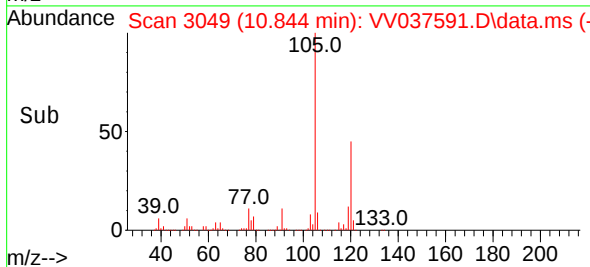
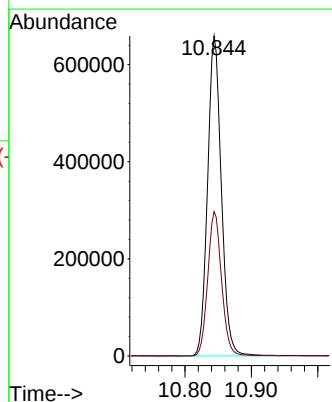
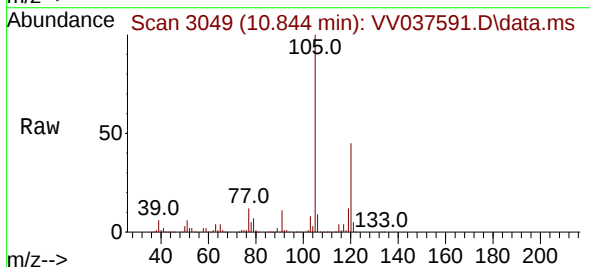
Acq: 27 Sep 2024 08:52

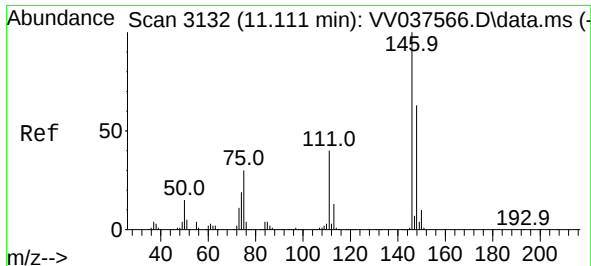
Tgt Ion:105 Resp: 949835

Ion Ratio Lower Upper

105 100

120 45.3 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 47.633 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. -0.000 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

ClientSampleId :

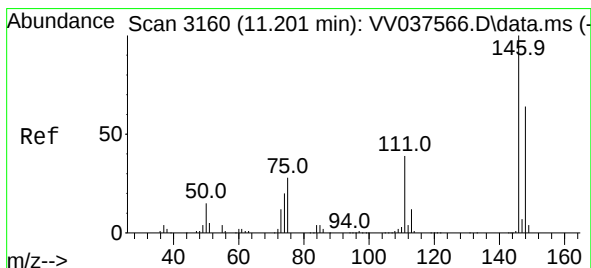
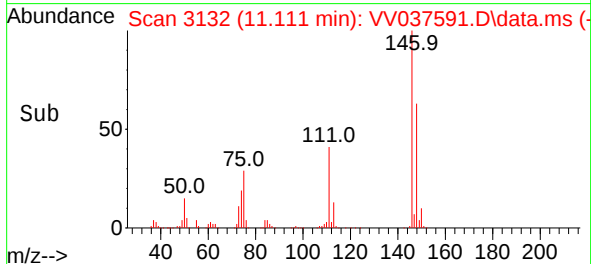
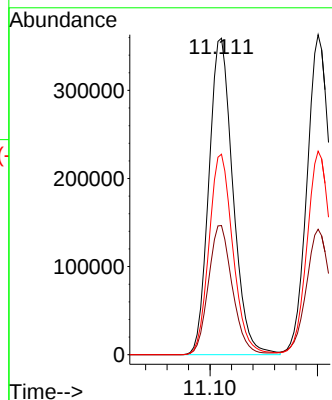
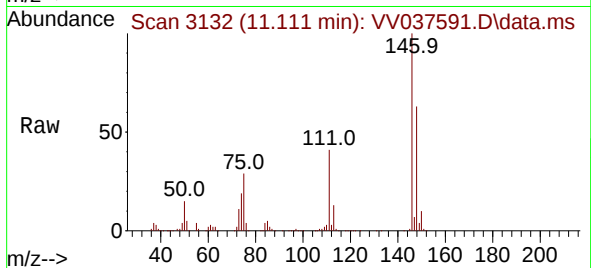
Tgt Ion:146 Resp: 557860

Ion Ratio Lower Upper

146 100

111 40.8 28.3 52.5

148 63.3 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 47.025 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. -0.000 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

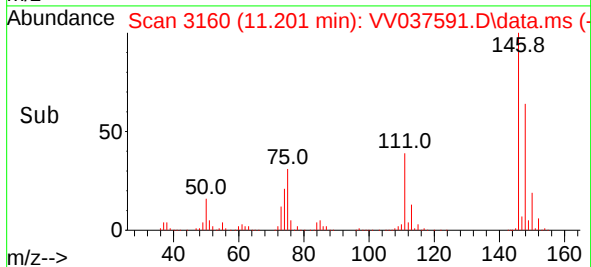
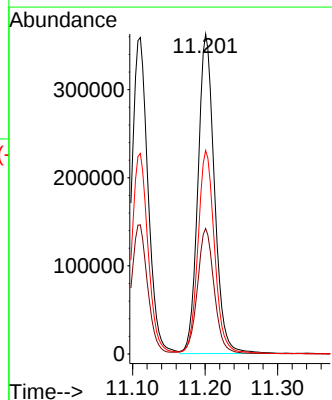
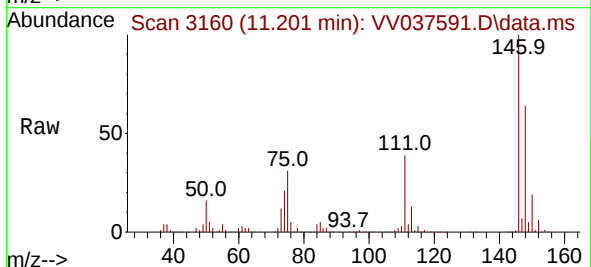
Tgt Ion:146 Resp: 573476

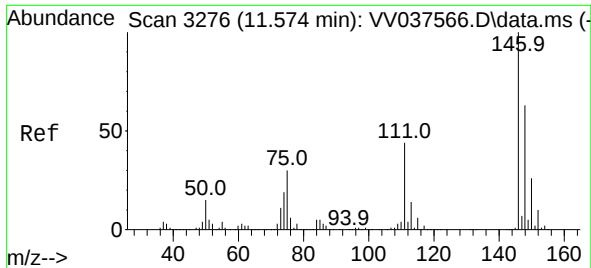
Ion Ratio Lower Upper

146 100

111 39.2 27.6 51.4

148 63.6 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 46.750 ug/L

RT: 11.570 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

ClientSampleId :

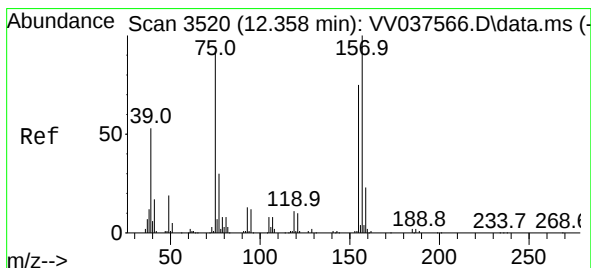
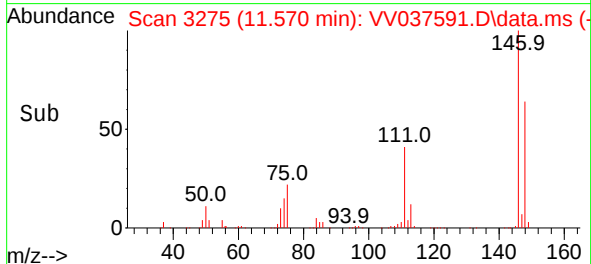
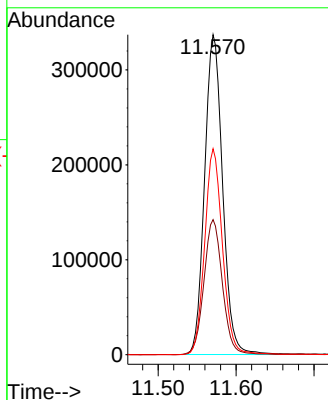
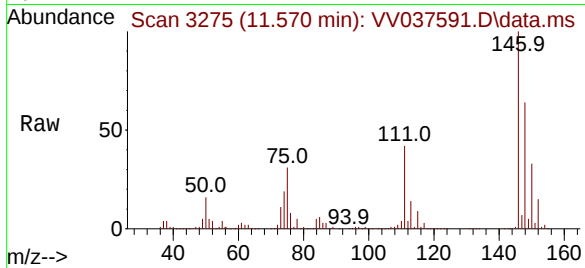
Tgt Ion:146 Resp: 541260

Ion Ratio Lower Upper

146 100

111 42.2 34.2 51.2

148 64.3 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 42.443 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.000 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

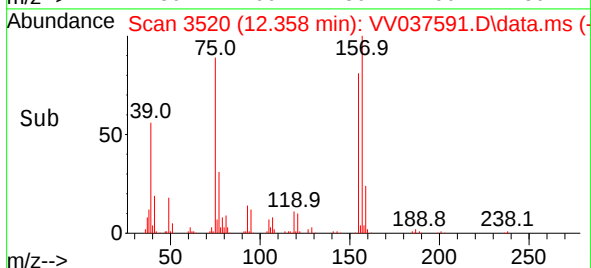
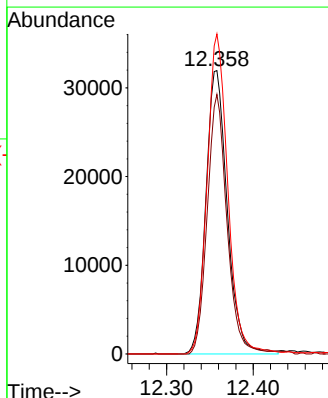
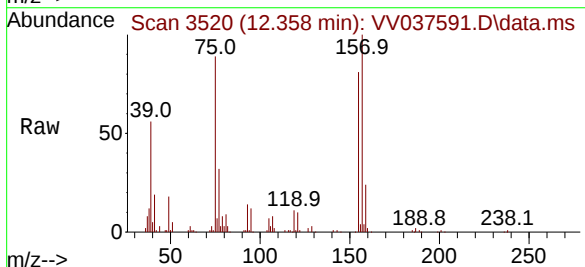
Tgt Ion: 75 Resp: 54867

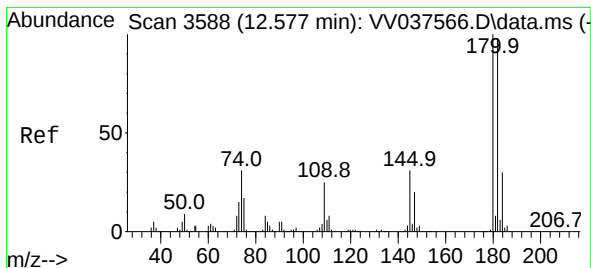
Ion Ratio Lower Upper

75 100

155 91.6 66.2 99.4

157 112.9 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 46.528 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. -0.003 min

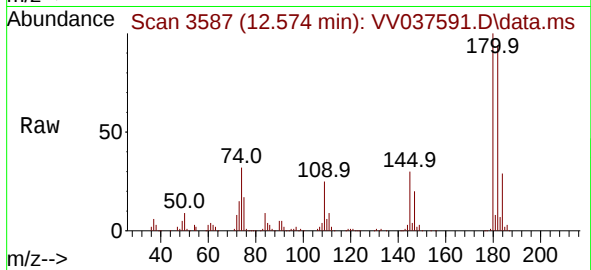
Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 374731

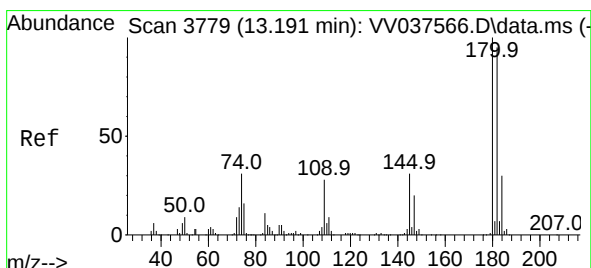
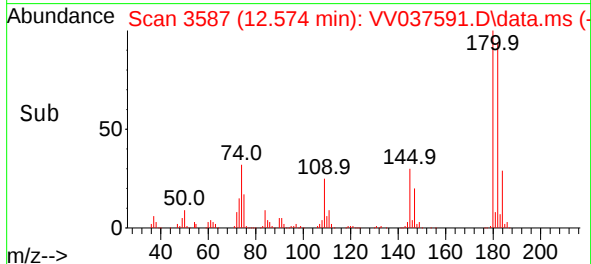
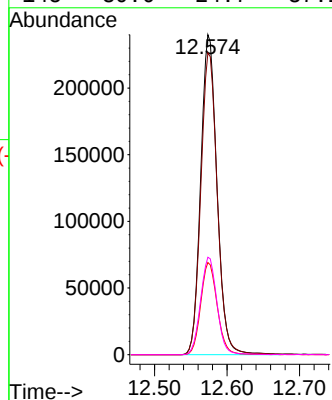
Ion Ratio Lower Upper

180 100

182 95.1 75.6 113.4

184 29.0 23.8 35.6

145 30.6 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 45.683 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.000 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

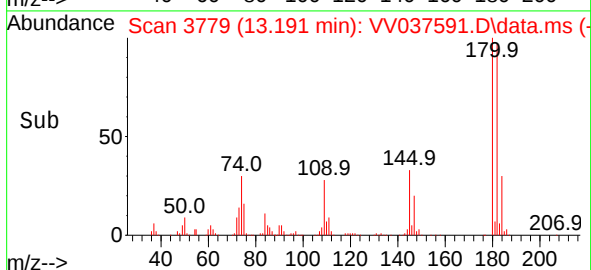
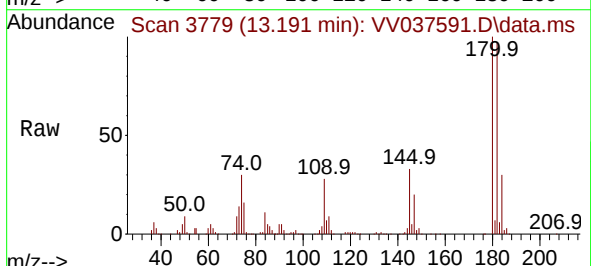
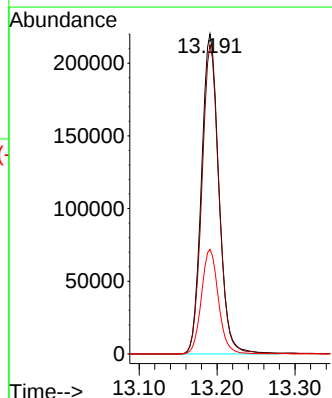
Tgt Ion:180 Resp: 341365

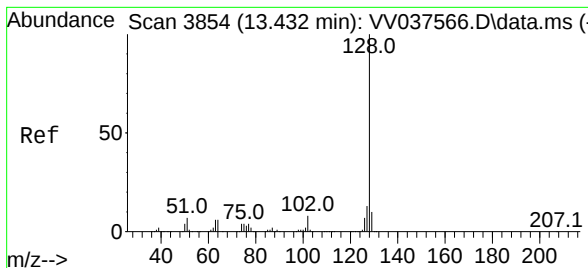
Ion Ratio Lower Upper

180 100

182 94.8 75.9 113.9

145 32.0 25.4 38.2





#71

Naphthalene

Concen: 44.963 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.000 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Instrument :

MSVOA_V

ClientSampleId :

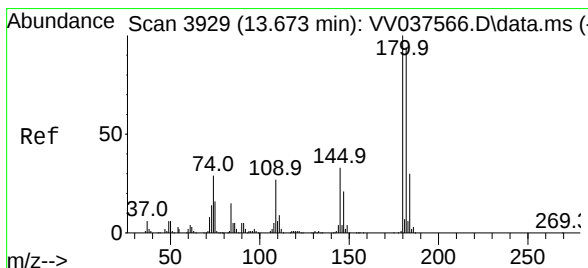
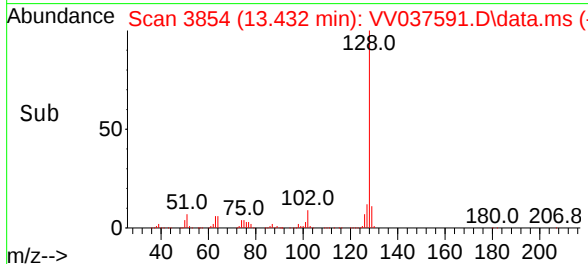
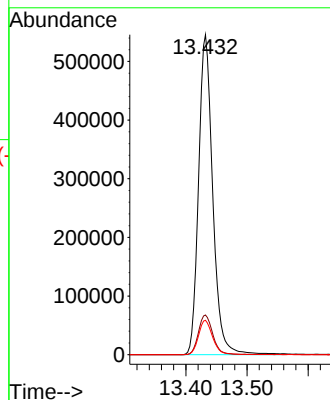
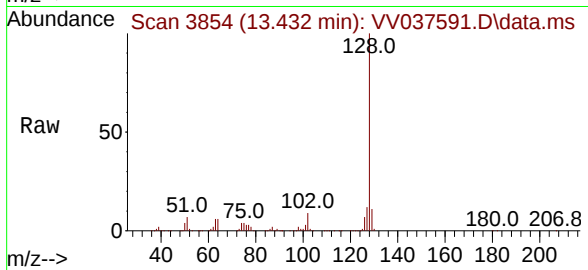
Tgt Ion:128 Resp: 877819

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 10.7 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 45.956 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV037591.D

Acq: 27 Sep 2024 08:52

Tgt Ion:180 Resp: 339116

Ion Ratio Lower Upper

180 100

182 96.3 75.8 113.8

145 34.0 26.2 39.4

