

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090424\
 Data File : VV037196.D
 Acq On : 04 Sep 2024 12:51
 Operator : SY/MD
 Sample : VSTD050
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 05 01:32:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 05 01:30:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	539999	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	524031	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	268537	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	408124	42.194	ug/L	0.00
7) Chloroethane-d5	1.532	69	330755	44.051	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.057	65	190036	43.677	ug/L	0.00
21) 2-Butanone-d5	3.822	46	202558	104.521	ug/L	0.00
24) Chloroform-d	4.243	84	800347	48.167	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	409127	48.543	ug/L	0.00
32) Benzene-d6	4.953	84	1586771	47.920	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	483970	47.179	ug/L	0.00
41) Toluene-d8	7.236	98	1477748	49.348	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	198332	50.226	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	140591	109.568	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.146	84	386170	48.974	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.555	152	498186	47.527	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	404680	54.440	ug/L	98
3) Chloromethane	1.217	50	464317	52.266	ug/L	100
5) Vinyl chloride	1.282	62	470826	53.885	ug/L	99
6) Bromomethane	1.487	94	266338	52.694	ug/L	98
8) Chloroethane	1.548	64	289814	53.923	ug/L	99
9) Trichlorofluoromethane	1.712	101	639144	53.592	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	400144	53.706	ug/L	99
12) 1,1-Dichloroethene	2.066	96	369982	54.513	ug/L	98
13) Acetone	2.066	43	3873	1.507	ug/L	77
14) Carbon disulfide	2.237	76	1216823	54.620	ug/L	99
15) Methyl Acetate	2.381	43	191316	51.739	ug/L	99
16) Methylene chloride	2.442	84	420594	42.498	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	394601	53.292	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	942726	54.390	ug/L	99
19) 1,1-Dichloroethane	3.105	63	770959	54.382	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	432868	55.380	ug/L	99
22) 2-Butanone	3.902	43	224700	105.186	ug/L	89
23) Bromochloromethane	4.140	128	192553	55.275	ug/L	99
25) Chloroform	4.269	83	753977	54.784	ug/L	99
27) 1,2-Dichloroethane	5.037	62	490558	56.233	ug/L	100
29) Cyclohexane	4.571	56	661704	55.965	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	630815	54.202	ug/L	100
31) Carbon tetrachloride	4.725	117	543692	55.258	ug/L	100
33) Benzene	5.002	78	1648113	56.055	ug/L	100
34) Trichloroethene	5.825	95	434656	54.316	ug/L	98
35) Methylcyclohexane	6.043	83	736982	56.521	ug/L	98
37) 1,2-Dichloropropane	6.088	63	419152	54.980	ug/L	99
38) Bromodichloromethane	6.426	83	533592	55.440	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	664759	58.902	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	465059	109.375	ug/L	97
42) Toluene	7.307	91	1753657	56.678	ug/L	98
44) trans-1,3-Dichloropropene	7.574	75	538595	58.730	ug/L	99

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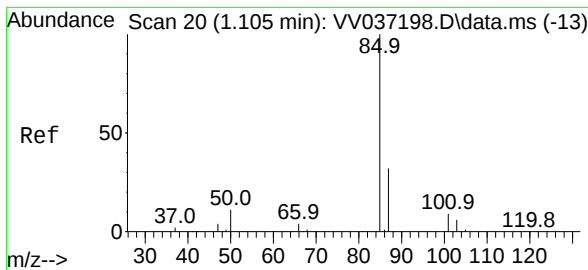
Instrument :
 MSVOA_V
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Quant Time: Sep 05 01:32:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 05 01:30:05 2024
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	7.764	97	314843	54.799	ug/L	100
46) Tetrachloroethene	7.899	164	315877	53.700	ug/L	99
48) 2-Hexanone	8.076	43	351305	110.385	ug/L	98
49) Dibromochloromethane	8.172	129	343709	57.492	ug/L	97
50) 1,2-Dibromoethane	8.278	107	305024	55.565	ug/L	97
51) Chlorobenzene	8.809	112	1110081	54.825	ug/L	100
52) Ethylbenzene	8.940	91	1989241	57.412	ug/L	100
53) m,p-Xylene	9.066	106	739925	57.560	ug/L	96
54) o-Xylene	9.471	106	719403	58.093	ug/L	99
55) Styrene	9.490	104	1244088	59.793	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	375453	54.836	ug/L	99
59) Bromoform	9.661	173	189194	55.489	ug/L	100
60) Isopropylbenzene	9.860	105	1980469	56.791	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	261715	52.889	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	1605276	57.963	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	1599328	58.226	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	866356	54.488	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	868006	53.545	ug/L	98
67) 1,2-Dichlorobenzene	11.571	146	797603	54.083	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.358	75	58760	52.617	ug/L	98
69) 1,3,5-Trichlorobenzene	12.574	180	615175	54.530	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	544380	54.661	ug/L	100
71) Naphthalene	13.432	128	1072405	55.196	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	493159	53.922	ug/L	98

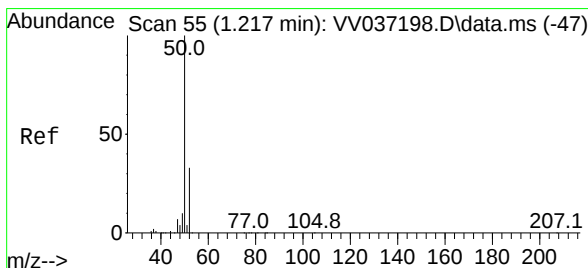
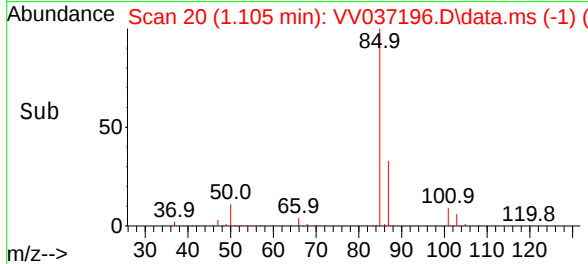
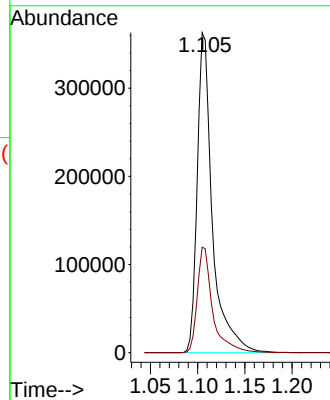
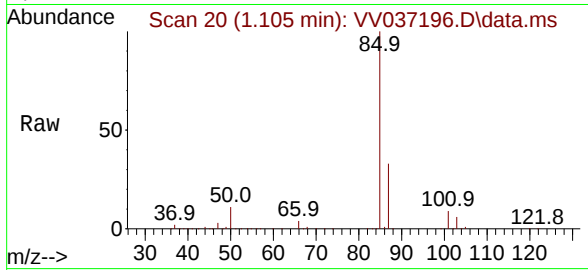
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 54.440 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV037196.D
 Acq: 04 Sep 2024 12:51

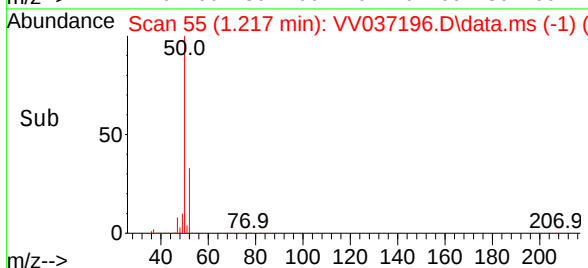
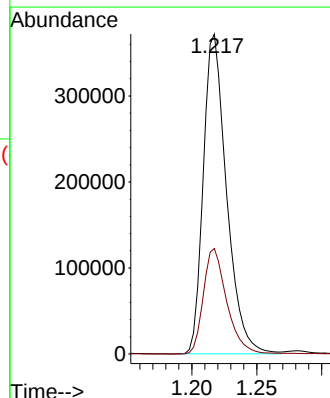
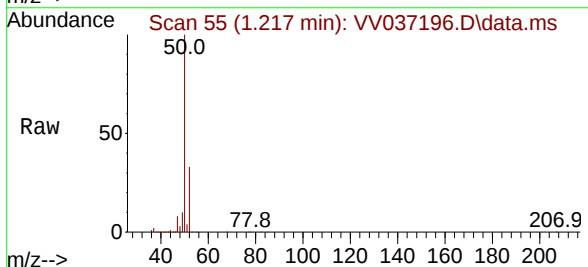
Instrument :
 MSVOA_V
 ClientSampleId :

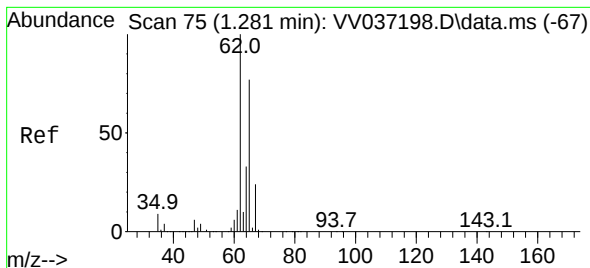
Tgt Ion: 85 Resp: 404680
 Ion Ratio Lower Upper
 85 100
 87 33.4 26.1 39.1



#3
 Chloromethane
 Concen: 52.266 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV037196.D
 Acq: 04 Sep 2024 12:51

Tgt Ion: 50 Resp: 464317
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.9 42.5





#5

Vinyl chloride

Concen: 53.885 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

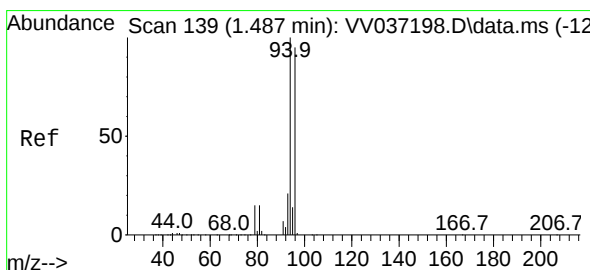
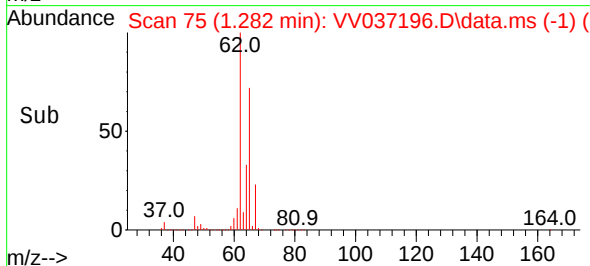
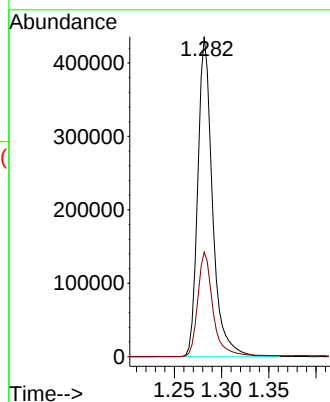
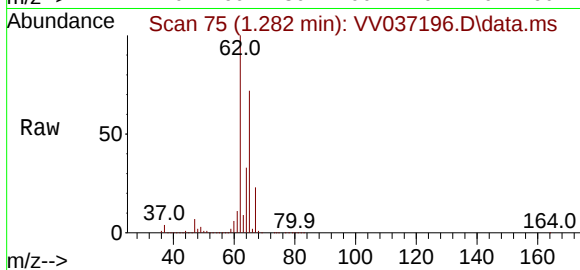
ClientSampleId :

Tgt Ion: 62 Resp: 470826

Ion Ratio Lower Upper

62 100

64 32.7 23.2 43.2



#6

Bromomethane

Concen: 52.694 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV037196.D

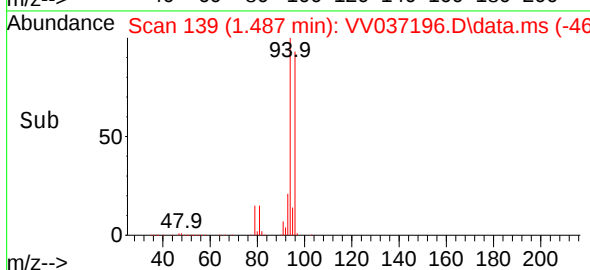
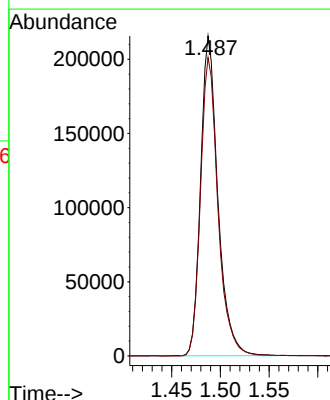
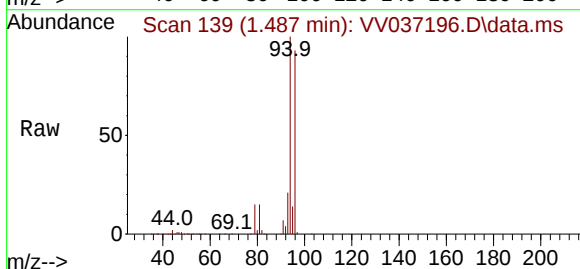
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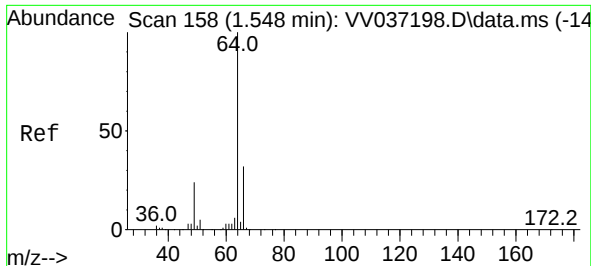
Tgt Ion: 94 Resp: 266338

Ion Ratio Lower Upper

94 100

96 93.3 66.6 123.6

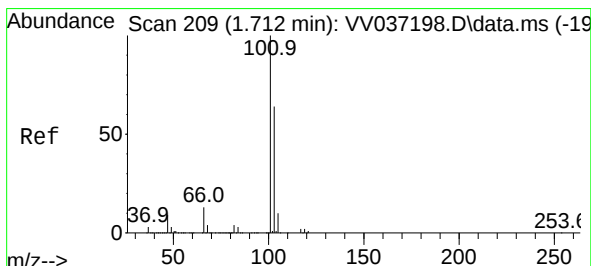
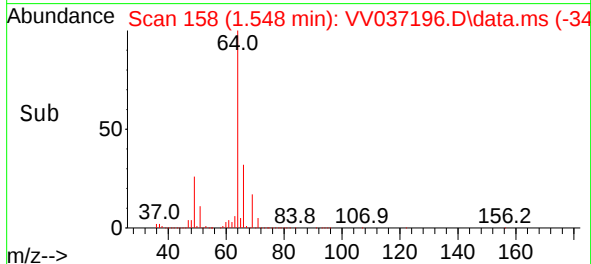
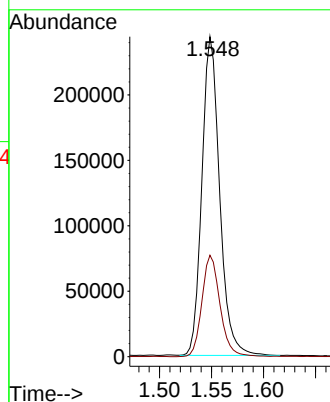
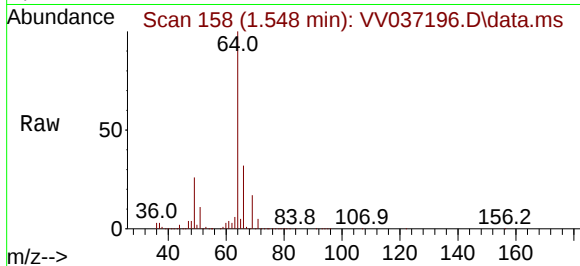




#8
Chloroethane
Concen: 53.923 ug/L
RT: 1.548 min Scan# 158
Delta R.T. 0.000 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

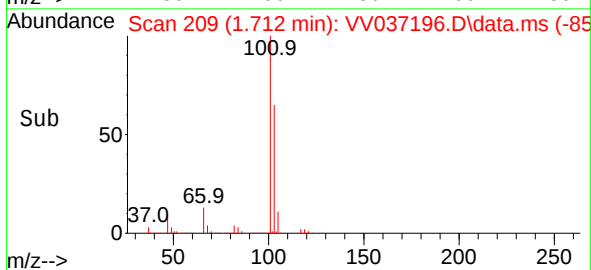
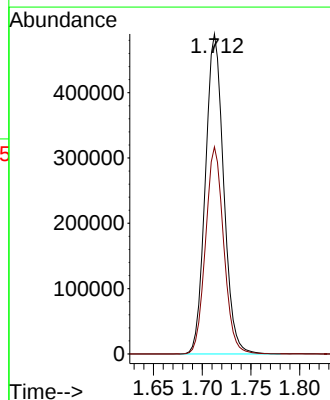
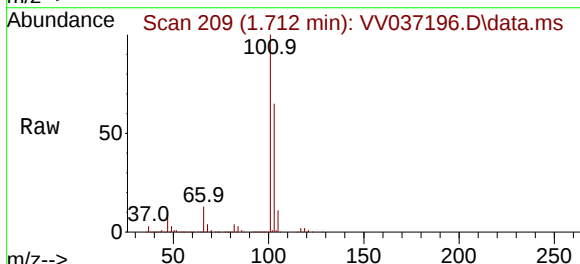
Instrument :
MSVOA_V
ClientSampleId :

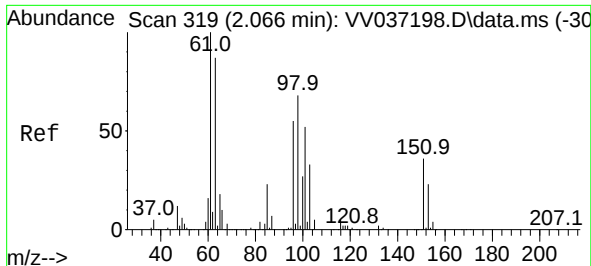
Tgt Ion: 64 Resp: 289814
Ion Ratio Lower Upper
64 100
66 31.7 22.7 42.1



#9
Trichlorofluoromethane
Concen: 53.592 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

Tgt Ion: 101 Resp: 639144
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2

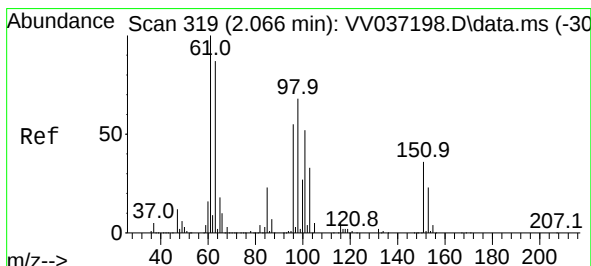
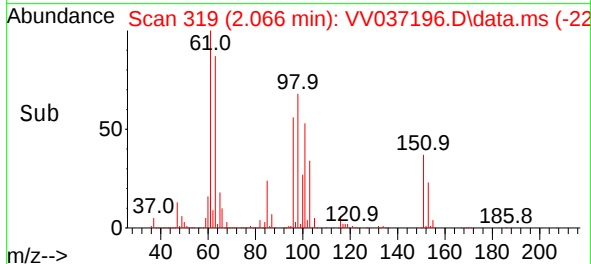
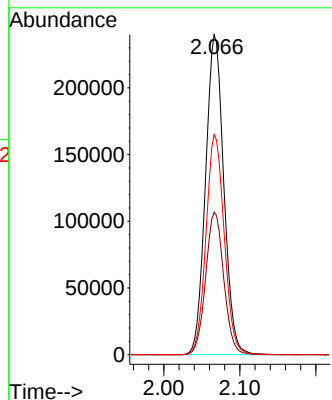
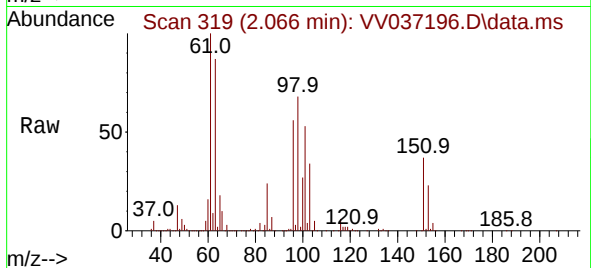




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 53.706 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VV037196.D
 Acq: 04 Sep 2024 12:51

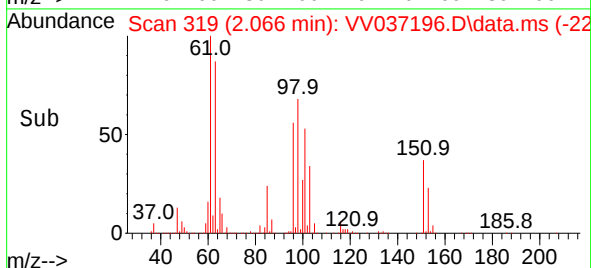
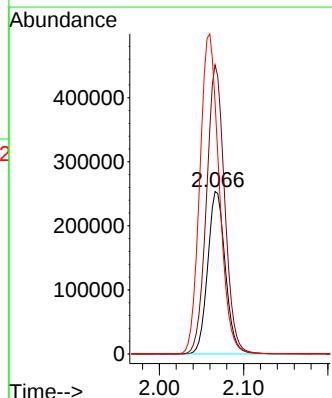
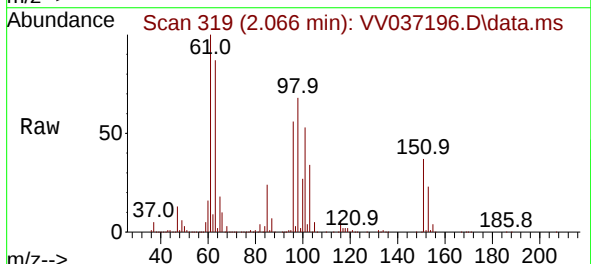
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 ClientSampleId :

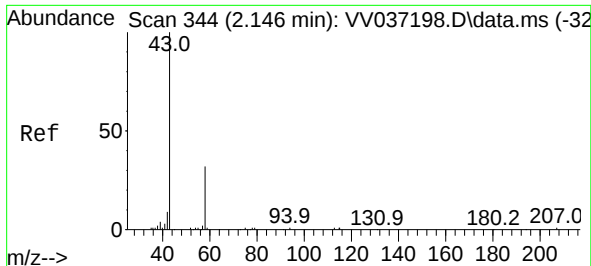
Tgt Ion:101 Resp: 400144
 Ion Ratio Lower Upper
 101 100
 85 44.1 34.7 52.1
 151 68.6 54.3 81.5



#12
 1,1-Dichloroethene
 Concen: 54.513 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VV037196.D
 Acq: 04 Sep 2024 12:51

Tgt Ion: 96 Resp: 369982
 Ion Ratio Lower Upper
 96 100
 61 178.0 126.8 235.6
 63 154.7 110.4 205.0





#13

Acetone

Concen: 1.507 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.080 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

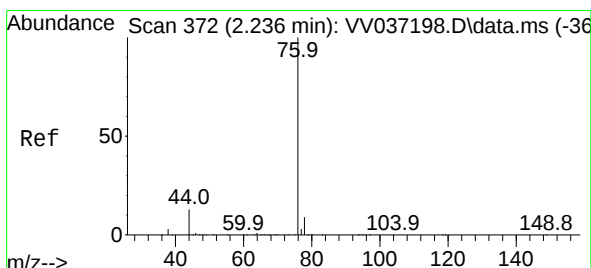
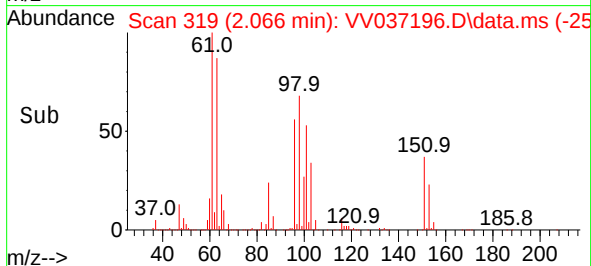
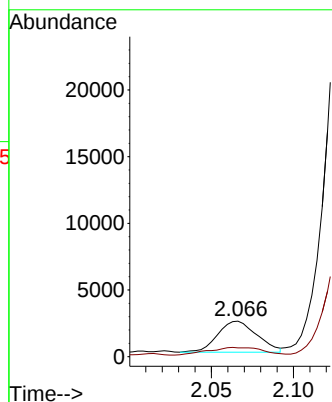
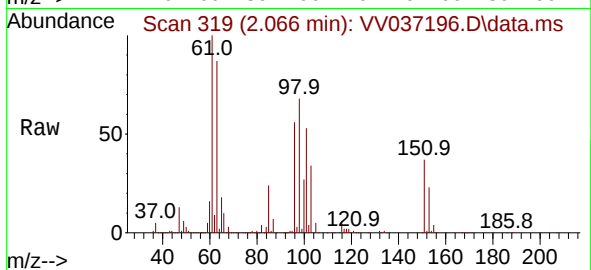
ClientSampleId :

Tgt Ion: 43 Resp: 3873

Ion Ratio Lower Upper

43 100

58 19.8 0.0 22.2



#14

Carbon disulfide

Concen: 54.620 ug/L

RT: 2.237 min Scan# 372

Delta R.T. 0.000 min

Lab File: VV037196.D

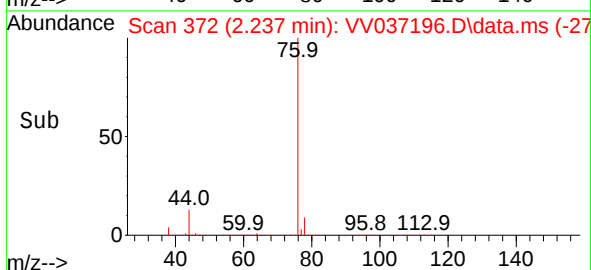
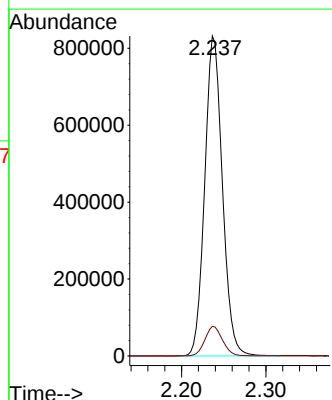
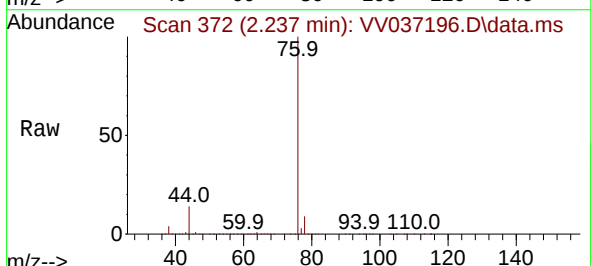
Acq: 04 Sep 2024 12:51

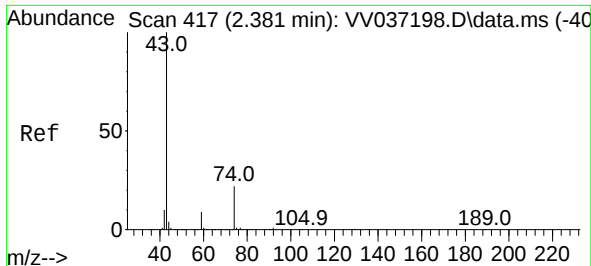
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Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

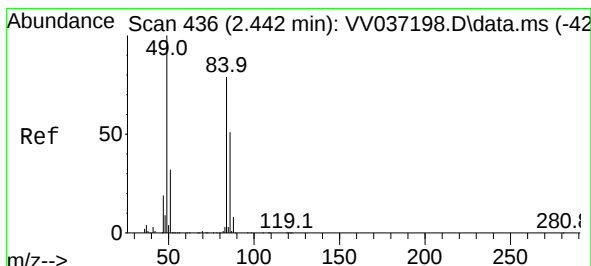
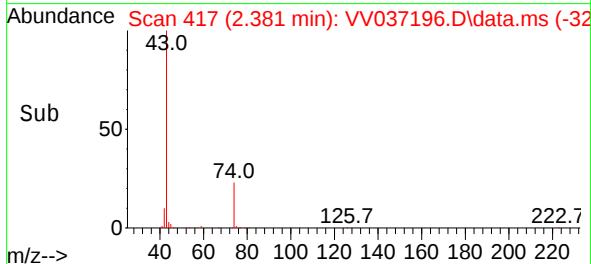
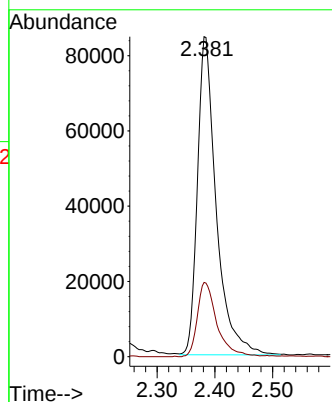
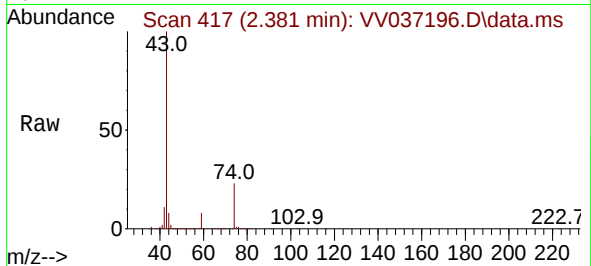




#15
Methyl Acetate
Concen: 51.739 ug/L
RT: 2.381 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

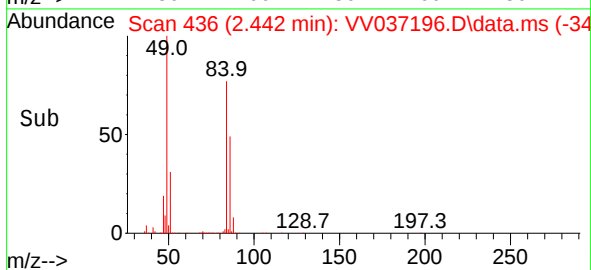
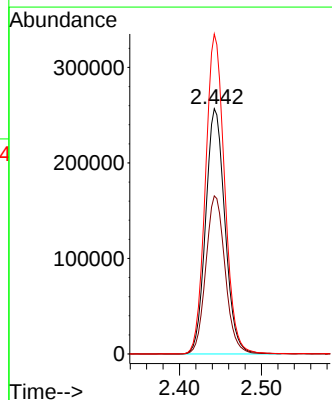
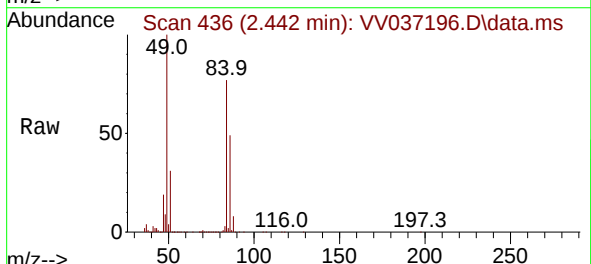
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ClientSampleId :

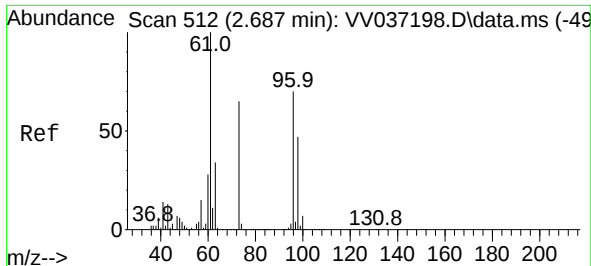
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Ion Ratio Lower Upper
43 100
74 24.2 19.0 28.4



#16
Methylene chloride
Concen: 42.498 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.000 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

Tgt Ion: 84 Resp: 420594
Ion Ratio Lower Upper
84 100
86 64.5 45.4 84.2
49 130.5 88.7 164.7

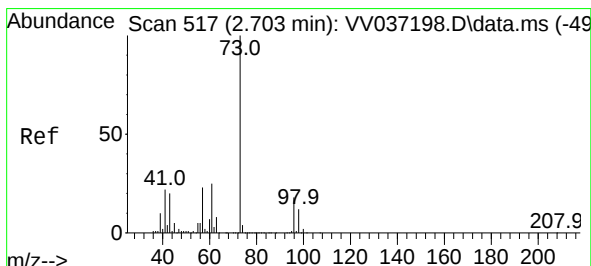
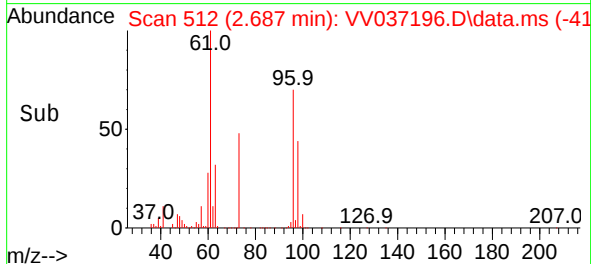
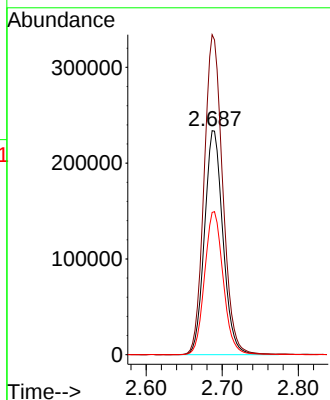
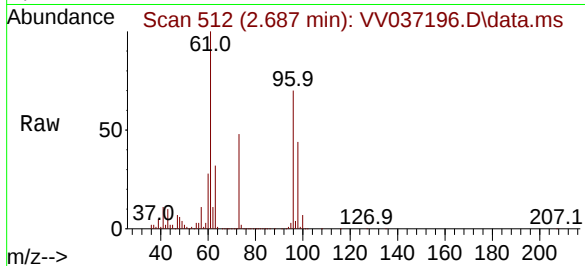




#17
trans-1,2-Dichloroethene
Concen: 53.292 ug/L
RT: 2.687 min Scan# 512
Delta R.T. 0.000 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

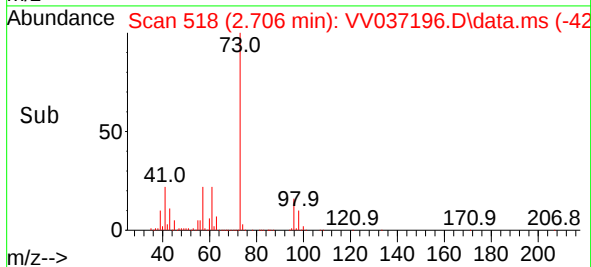
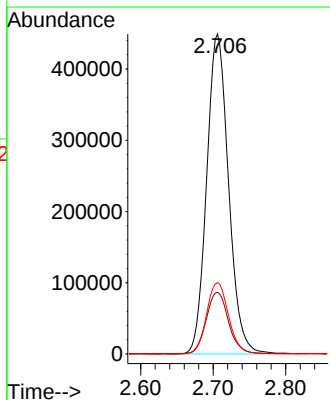
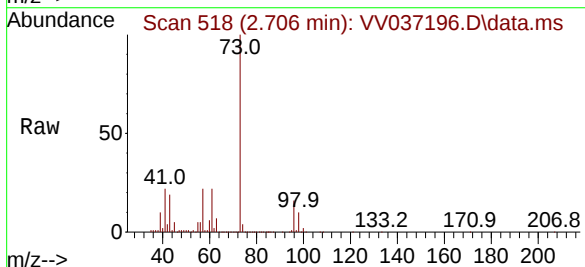
Instrument :
MSVOA_V
ClientSampleId :

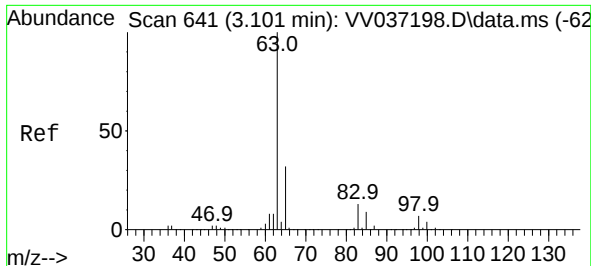
Tgt Ion: 96 Resp: 394601
Ion Ratio Lower Upper
96 100
61 142.8 99.7 185.1
98 63.5 46.4 86.2



#18
Methyl tert-butyl Ether
Concen: 54.390 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

Tgt Ion: 73 Resp: 942726
Ion Ratio Lower Upper
73 100
43 19.4 15.7 23.5
57 22.6 18.3 27.5





#19

1,1-Dichloroethane

Concen: 54.382 ug/L

RT: 3.105 min Scan# 641

Delta R.T. 0.003 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

ClientSampleId :

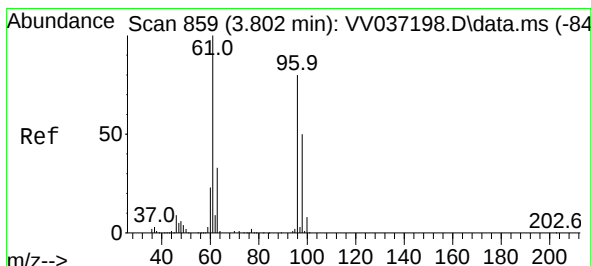
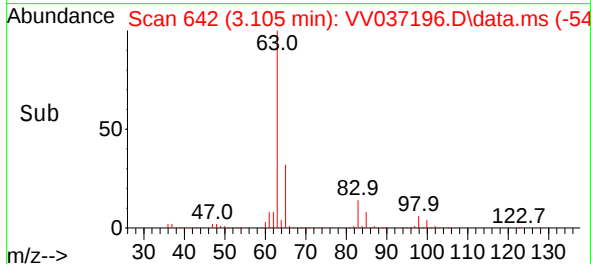
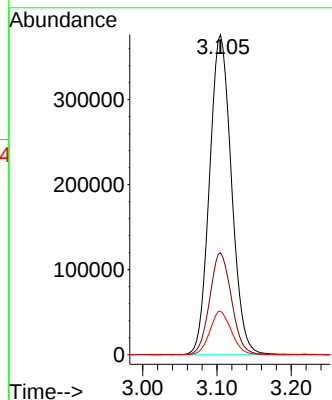
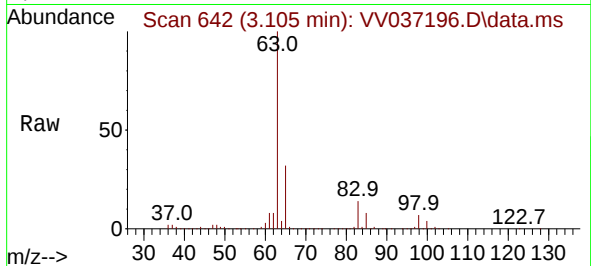
Tgt Ion: 63 Resp: 770959

Ion Ratio Lower Upper

63 100

65 31.8 22.4 41.6

83 13.6 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 55.380 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.007 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

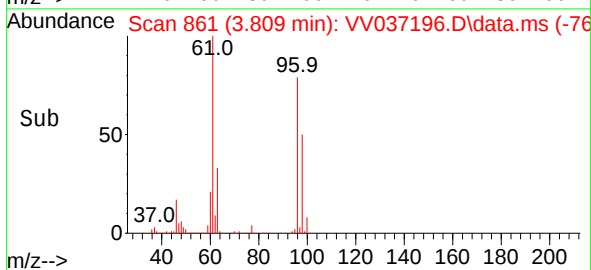
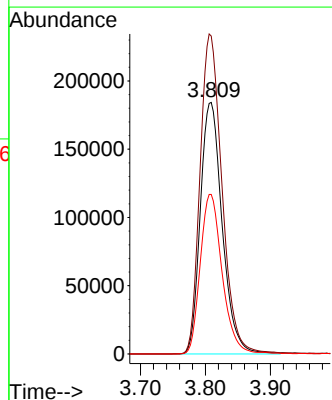
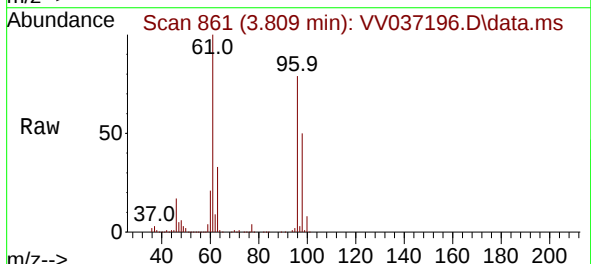
Tgt Ion: 96 Resp: 432868

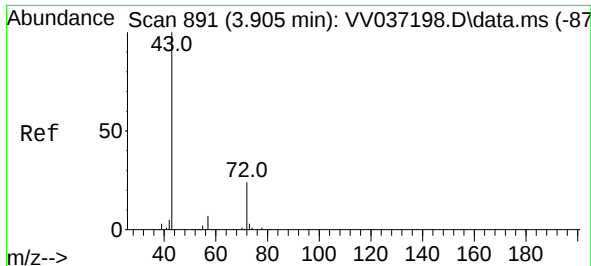
Ion Ratio Lower Upper

96 100

61 126.4 87.6 162.6

98 63.4 44.0 81.6

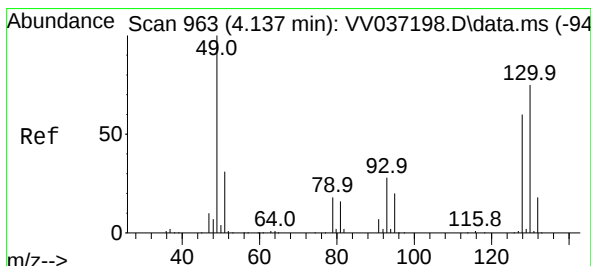
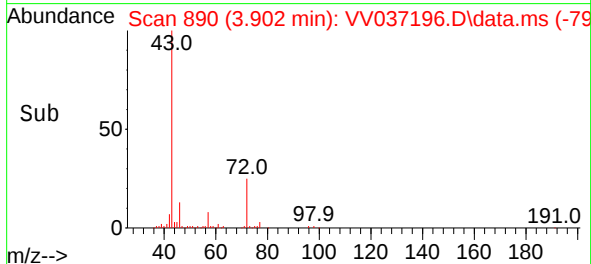
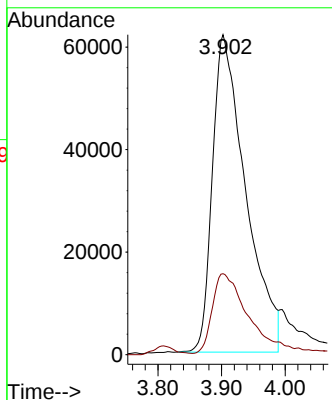
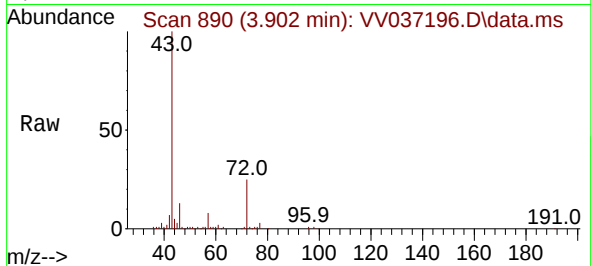




#22
2-Butanone
Concen: 105.186 ug/L
RT: 3.902 min Scan# 891
Delta R.T. -0.003 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

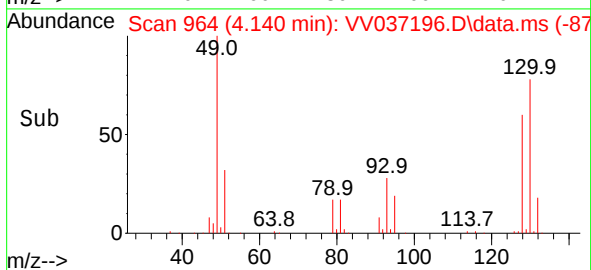
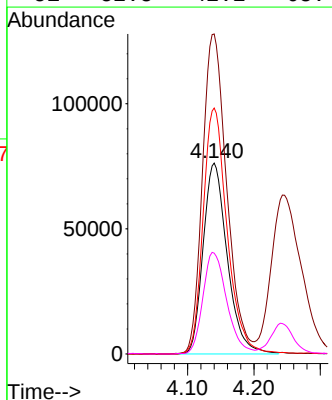
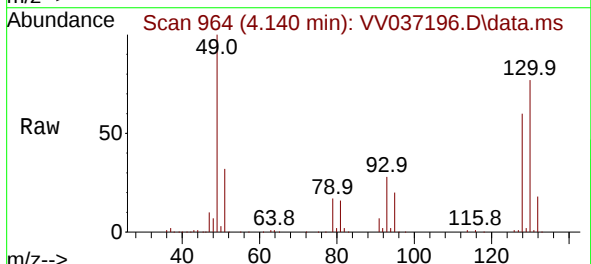
Instrument :
MSVOA_V
ClientSampleId :

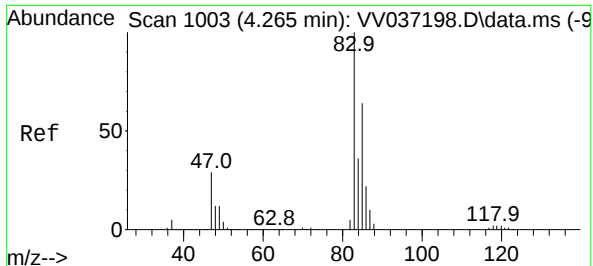
Tgt Ion: 43 Resp: 224700
Ion Ratio Lower Upper
43 100
72 25.6 10.2 30.6



#23
Bromochloromethane
Concen: 55.275 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.003 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

Tgt Ion:128 Resp: 192553
Ion Ratio Lower Upper
128 100
49 167.6 117.8 218.8
130 128.8 88.4 164.2
51 52.8 42.2 63.4





#25

Chloroform

Concen: 54.784 ug/L

RT: 4.269 min Scan# 1004

Delta R.T. 0.003 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

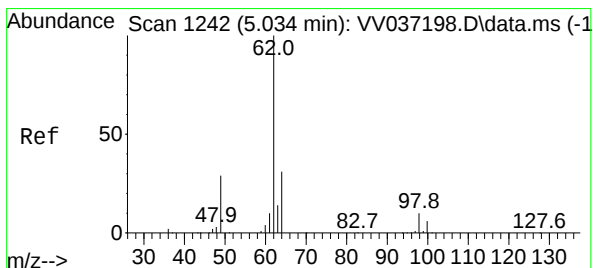
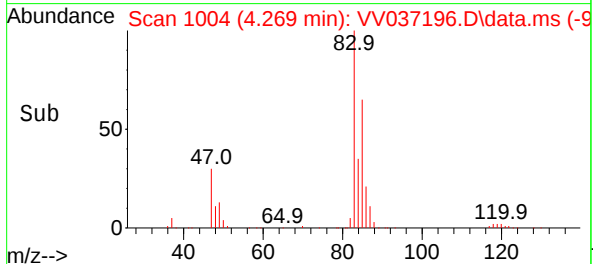
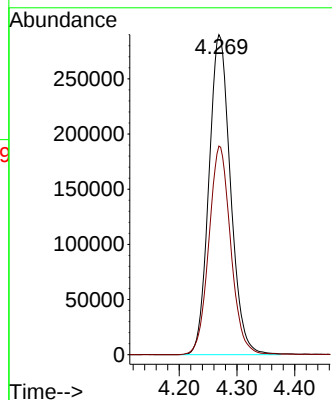
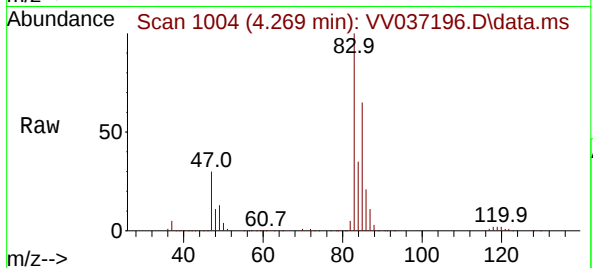
ClientSampleId :

Tgt Ion: 83 Resp: 753977

Ion Ratio Lower Upper

83 100

85 65.2 44.9 83.3



#27

1,2-Dichloroethane

Concen: 56.233 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV037196.D

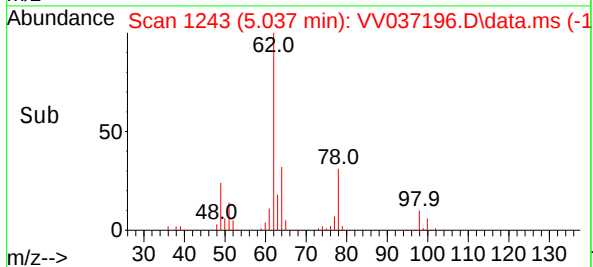
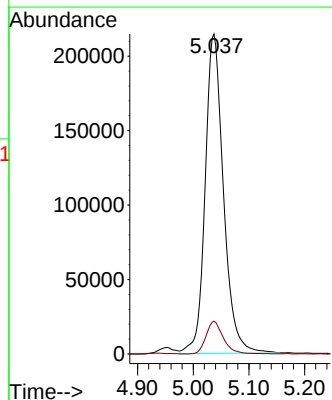
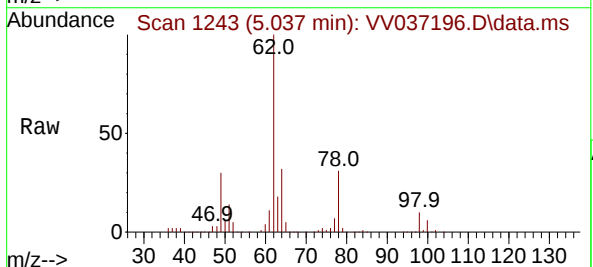
Acq: 04 Sep 2024 12:51

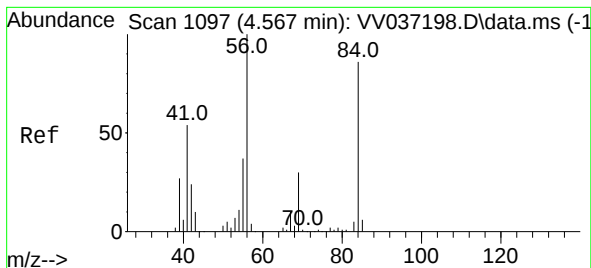
Tgt Ion: 62 Resp: 490558

Ion Ratio Lower Upper

62 100

98 10.3 8.3 12.5





#29

Cyclohexane

Concen: 55.965 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. 0.003 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

ClientSampleId :

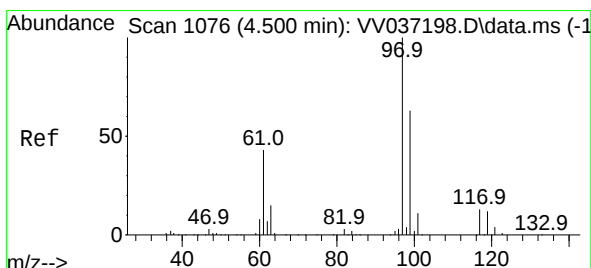
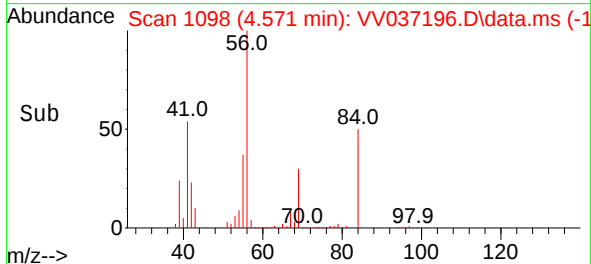
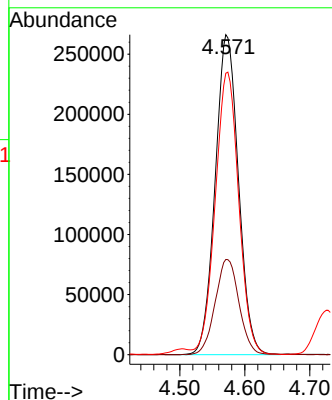
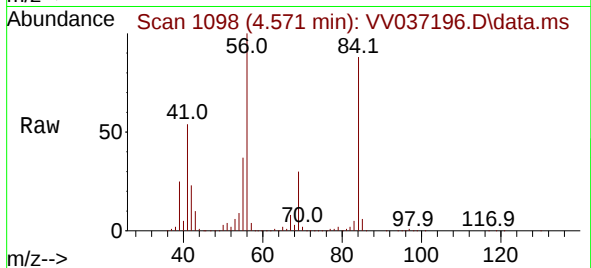
Tgt Ion: 56 Resp: 661704

Ion Ratio Lower Upper

56 100

69 30.5 24.3 36.5

84 88.9 71.1 106.7



#30

1,1,1-Trichloroethane

Concen: 54.202 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

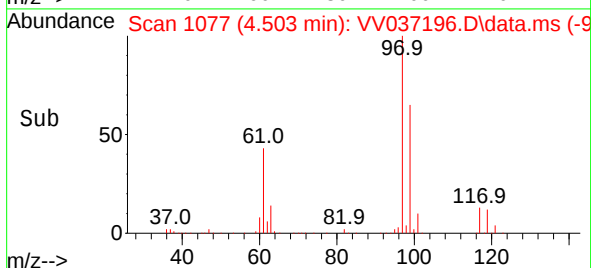
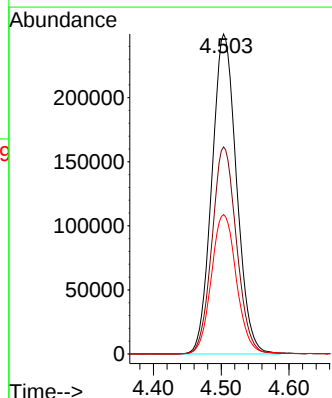
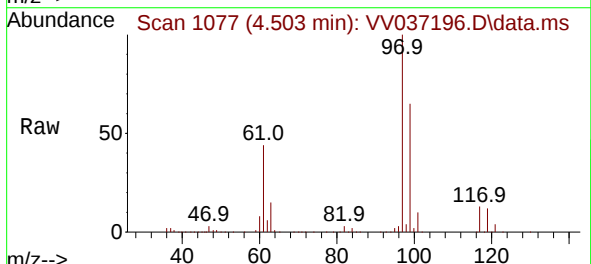
Tgt Ion: 97 Resp: 630815

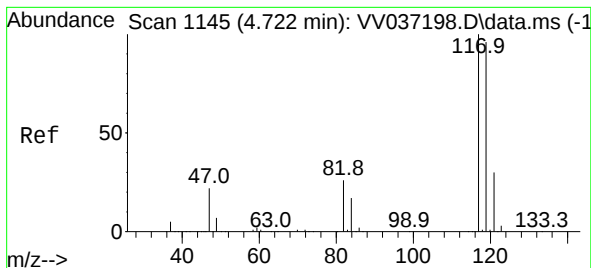
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 44.4 35.4 53.2





#31

Carbon tetrachloride

Concen: 55.258 ug/L

RT: 4.725 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

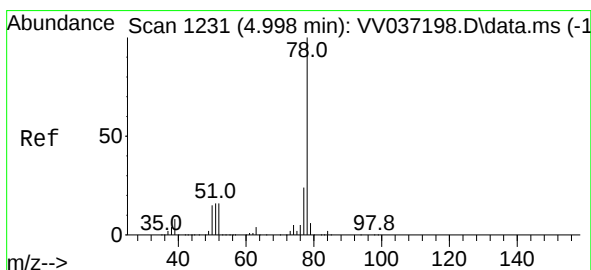
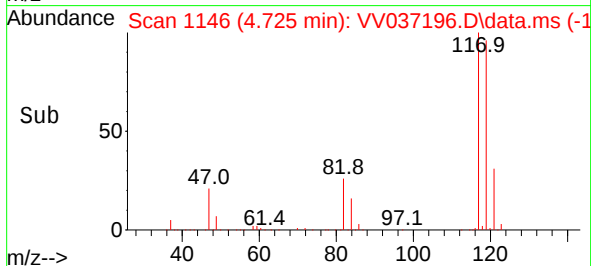
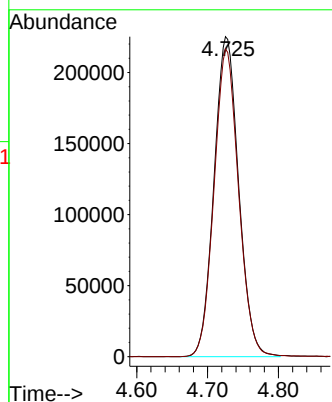
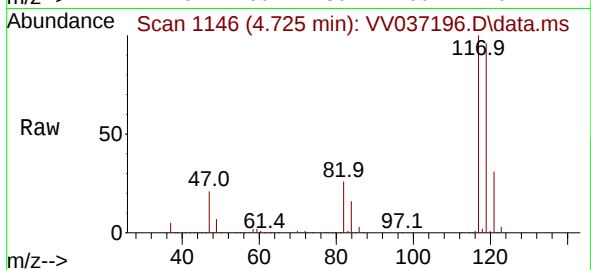
ClientSampleId :

Tgt Ion:117 Resp: 543692

Ion Ratio Lower Upper

117 100

119 95.7 76.2 114.4



#33

Benzene

Concen: 56.055 ug/L

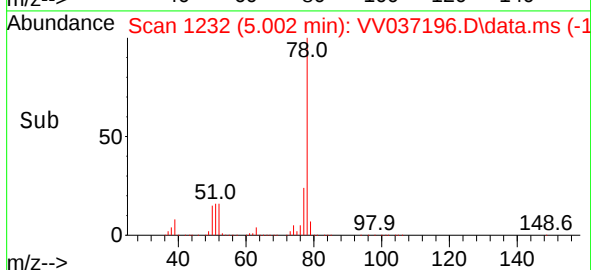
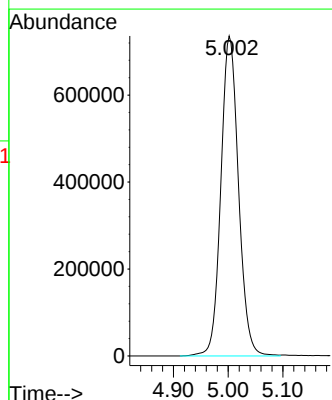
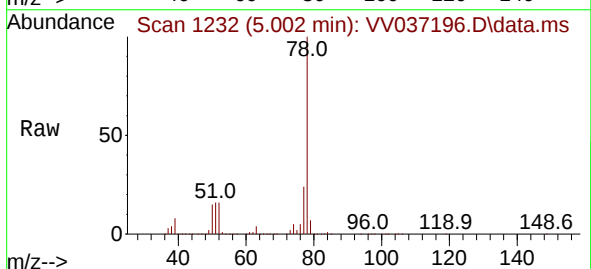
RT: 5.002 min Scan# 1232

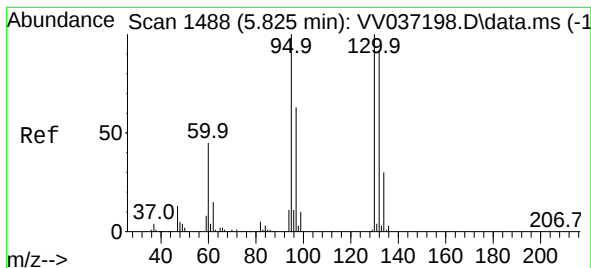
Delta R.T. 0.003 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Tgt Ion: 78 Resp: 1648113





#34

Trichloroethene

Concen: 54.316 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. 0.000 min

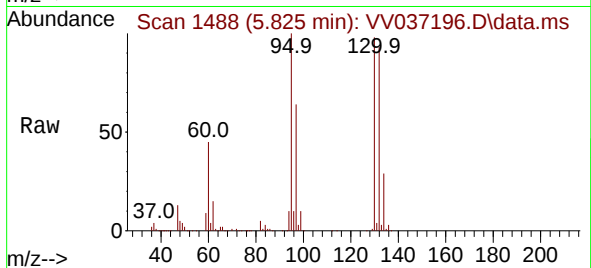
Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 434656

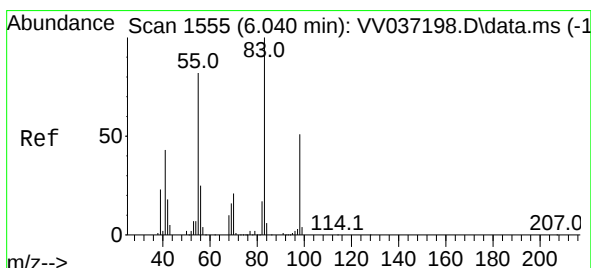
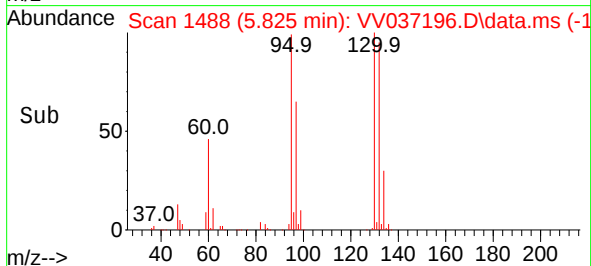
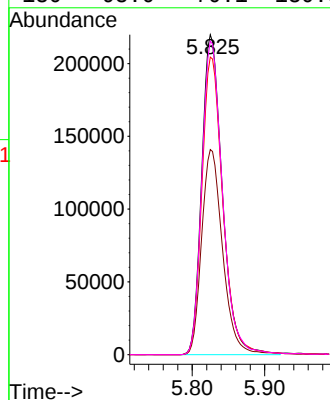
Ion Ratio Lower Upper

95 100

97 64.1 44.0 81.6

132 93.0 64.3 119.5

130 98.0 70.1 130.3



#35

Methylcyclohexane

Concen: 56.521 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.003 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

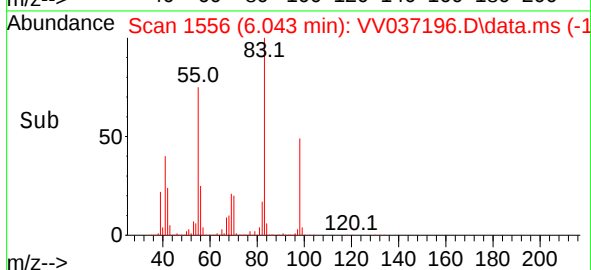
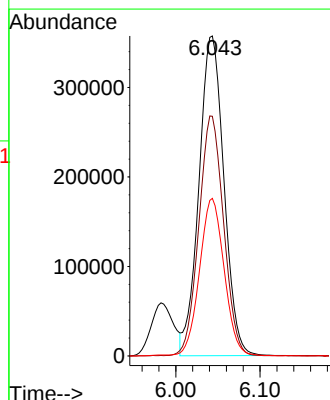
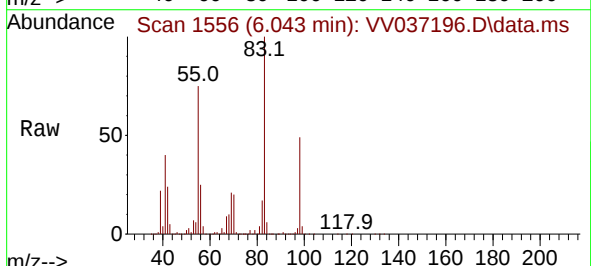
Tgt Ion: 83 Resp: 736982

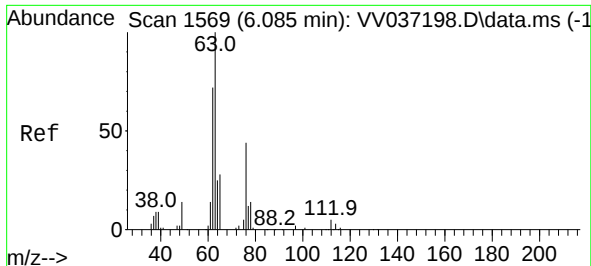
Ion Ratio Lower Upper

83 100

55 74.3 61.6 92.4

98 48.7 38.5 57.7

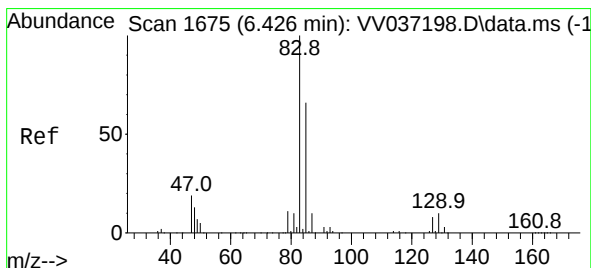
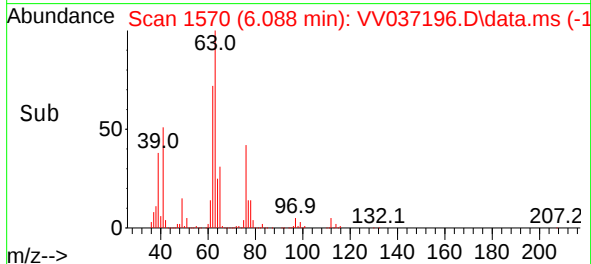
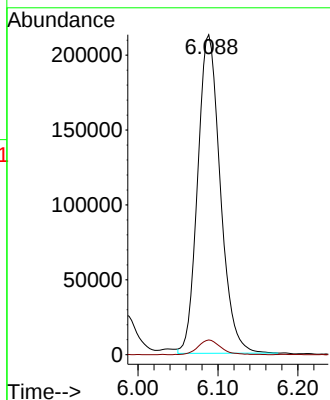
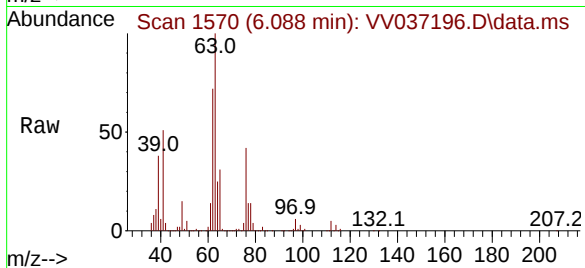




#37
1,2-Dichloropropane
Concen: 54.980 ug/L
RT: 6.088 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

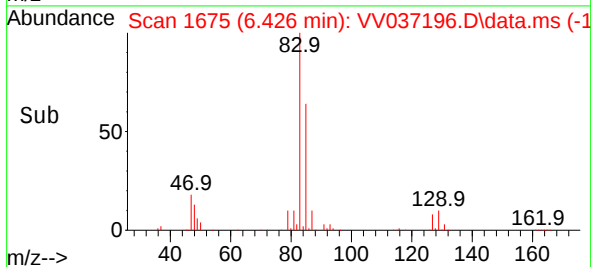
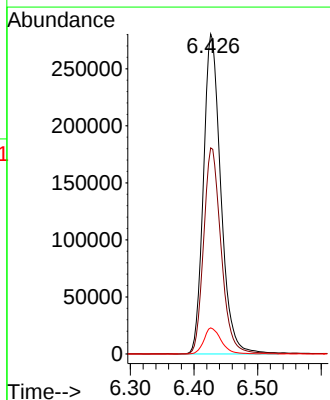
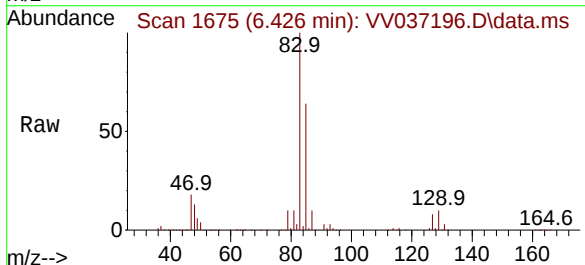
Instrument :
MSVOA_V
ClientSampleId :

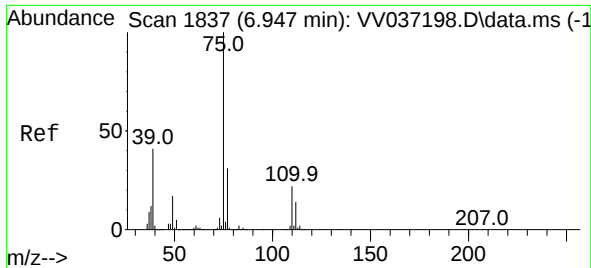
Tgt Ion: 63 Resp: 419152
Ion Ratio Lower Upper
63 100
112 4.5 3.8 5.6



#38
Bromodichloromethane
Concen: 55.440 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

Tgt Ion: 83 Resp: 533592
Ion Ratio Lower Upper
83 100
85 64.4 45.9 85.3
127 8.1 6.5 9.7

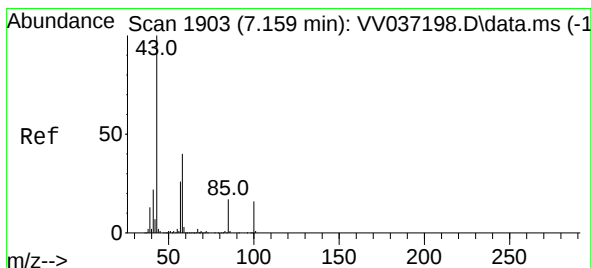
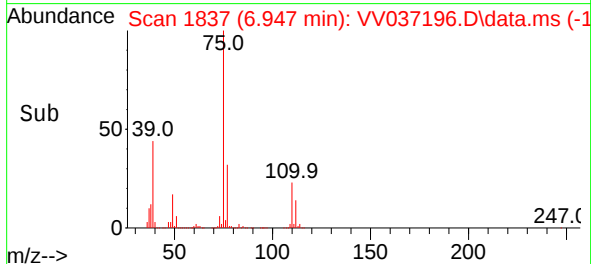
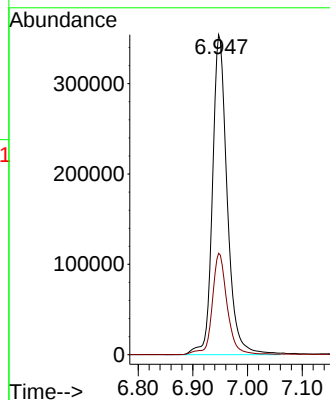
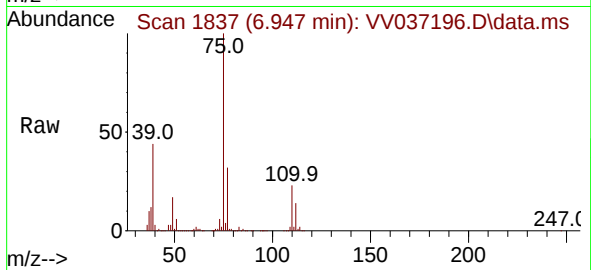




#39
cis-1,3-Dichloropropene
Concen: 58.902 ug/L
RT: 6.947 min Scan# 1837
Delta R.T. 0.000 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

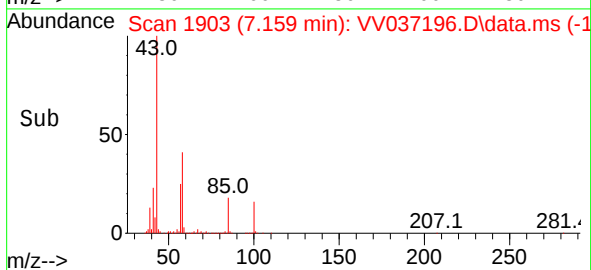
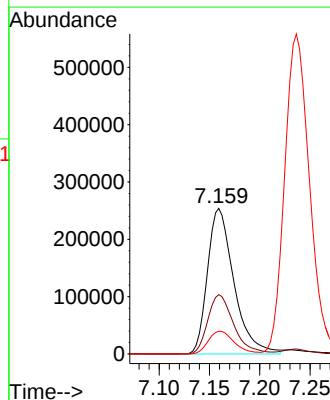
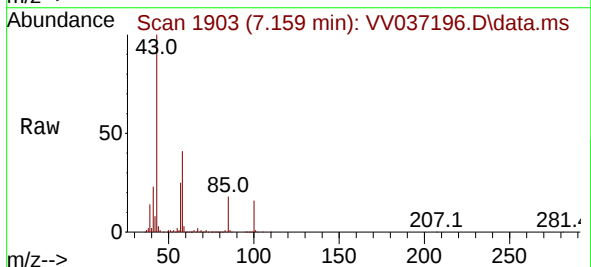
Instrument :
MSVOA_V
ClientSampleId :

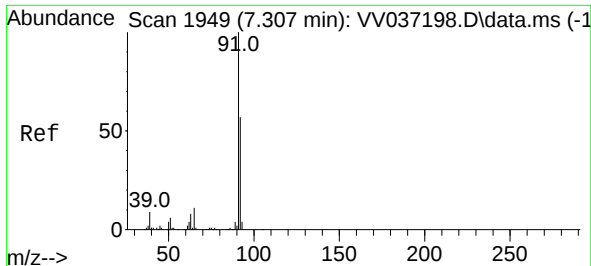
Tgt Ion: 75 Resp: 664759
Ion Ratio Lower Upper
75 100
77 31.7 21.6 40.0



#40
4-Methyl-2-pentanone
Concen: 109.375 ug/L
RT: 7.159 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

Tgt Ion: 43 Resp: 465059
Ion Ratio Lower Upper
43 100
58 40.0 30.3 45.5
100 15.4 11.6 17.4





#42

Toluene

Concen: 56.678 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

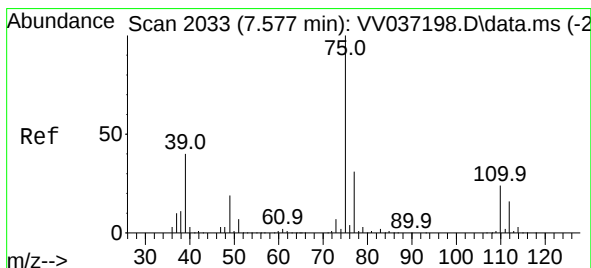
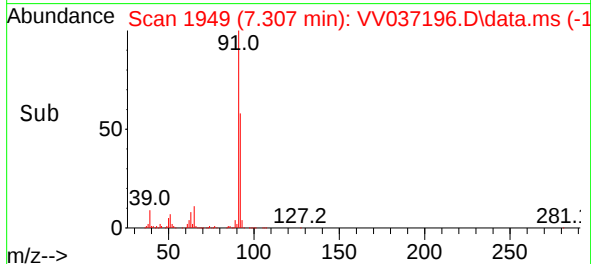
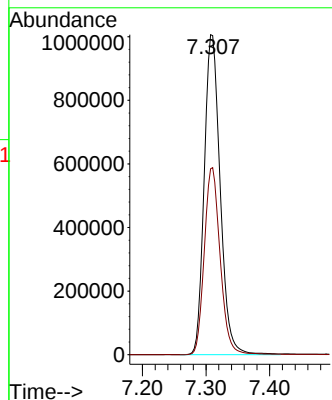
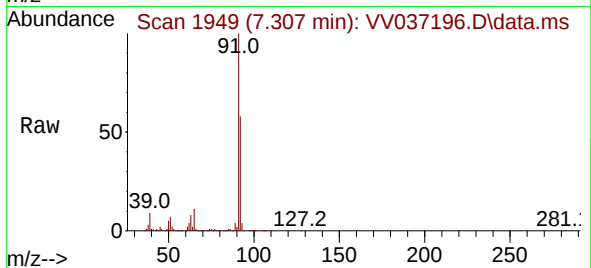
ClientSampleId :

Tgt Ion: 91 Resp: 1753657

Ion Ratio Lower Upper

91 100

92 58.1 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 58.730 ug/L

RT: 7.574 min Scan# 2032

Delta R.T. -0.003 min

Lab File: VV037196.D

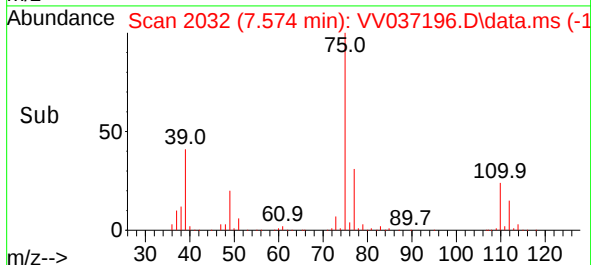
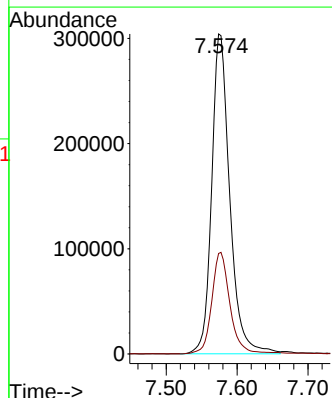
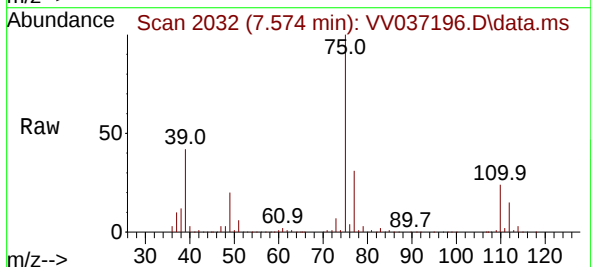
Acq: 04 Sep 2024 12:51

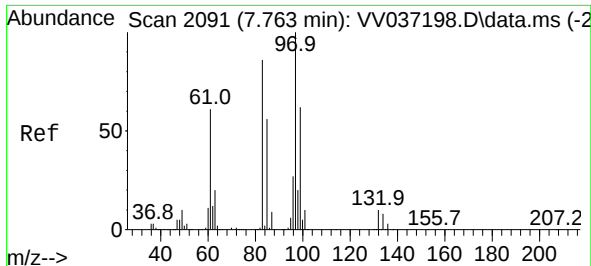
Tgt Ion: 75 Resp: 538595

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 54.799 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 314843

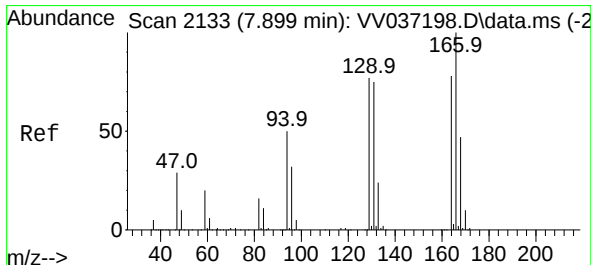
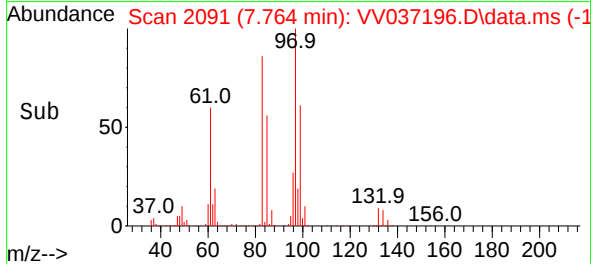
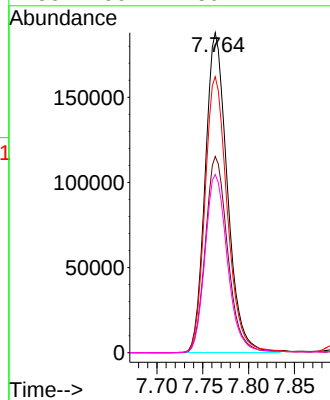
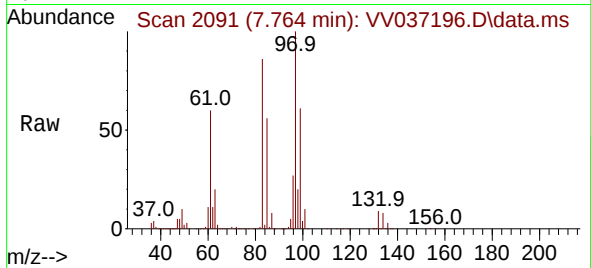
Ion Ratio Lower Upper

97 100

99 61.3 43.2 80.2

83 86.2 60.0 111.4

85 55.7 39.1 72.5



#46

Tetrachloroethene

Concen: 53.700 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Tgt Ion:164 Resp: 315877

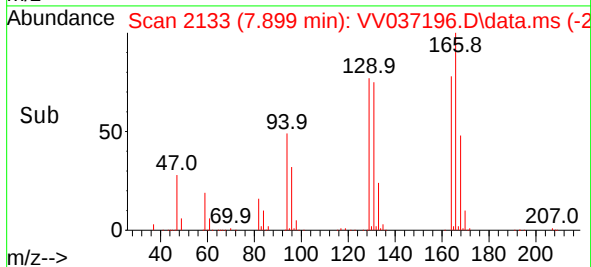
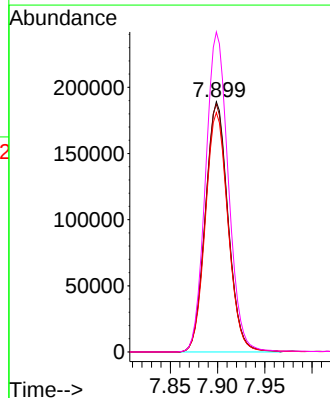
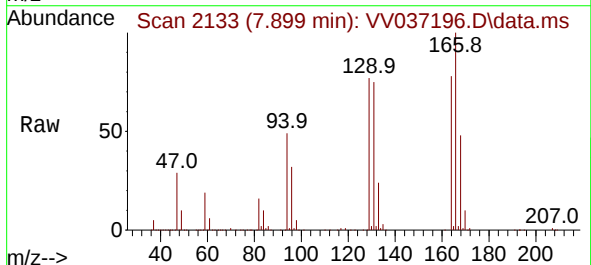
Ion Ratio Lower Upper

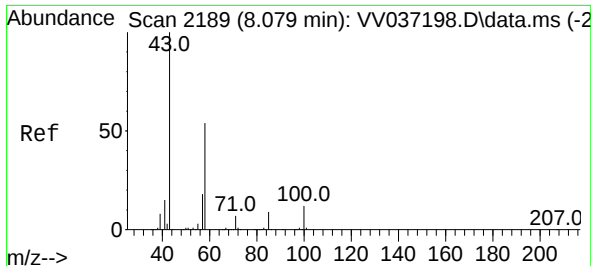
164 100

129 99.0 70.0 130.0

131 95.6 68.0 126.2

166 127.8 90.3 167.7





#48

2-Hexanone

Concen: 110.385 ug/L

RT: 8.076 min Scan# 2189

Delta R.T. -0.003 min

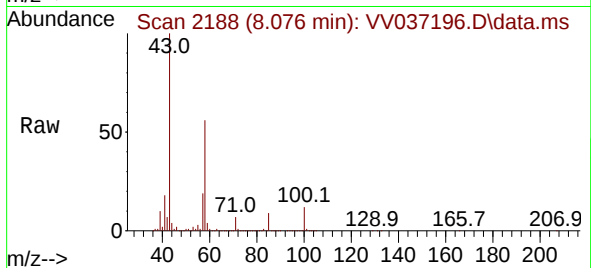
Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 351305

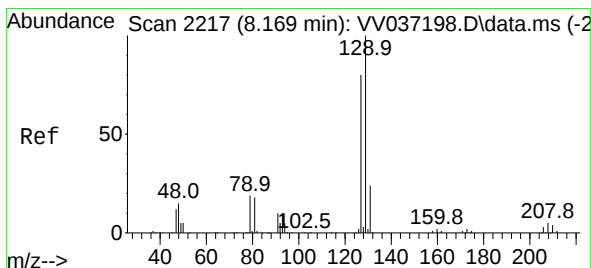
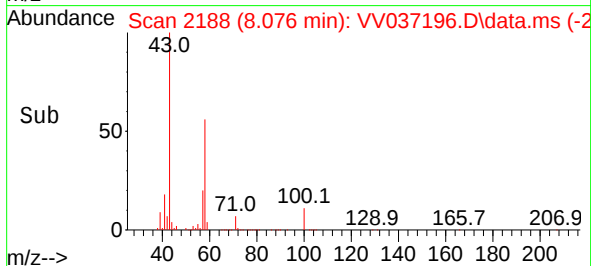
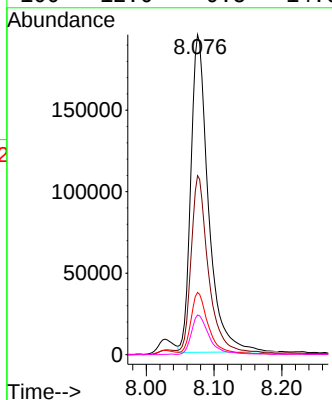
Ion Ratio Lower Upper

43 100

58 55.1 42.9 64.3

57 18.2 14.6 21.8

100 12.6 9.8 14.6



#49

Dibromochloromethane

Concen: 57.492 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.003 min

Lab File: VV037196.D

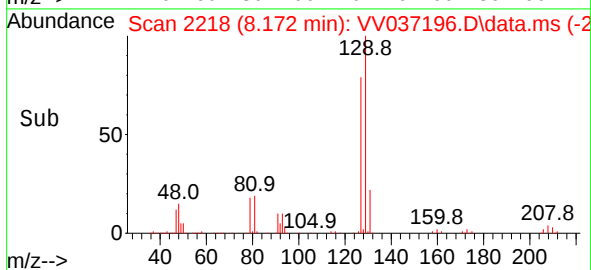
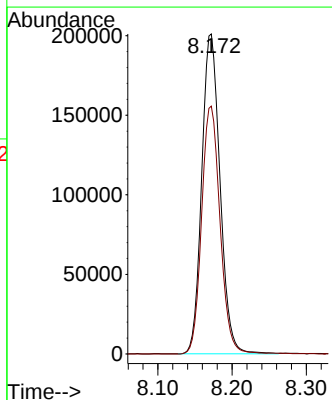
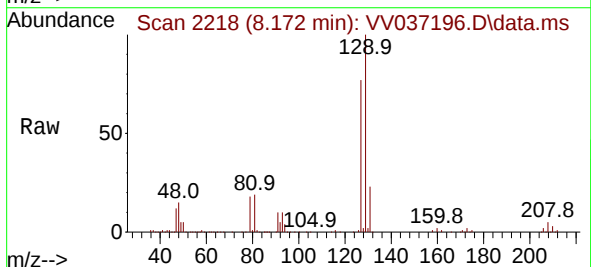
Acq: 04 Sep 2024 12:51

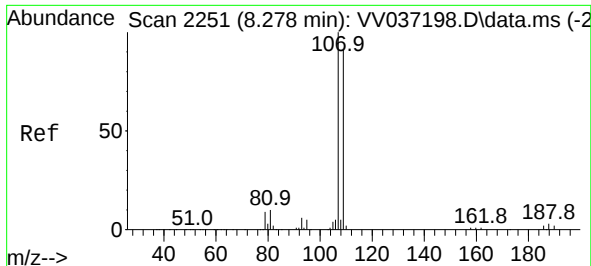
Tgt Ion: 129 Resp: 343709

Ion Ratio Lower Upper

129 100

127 77.5 56.0 104.0

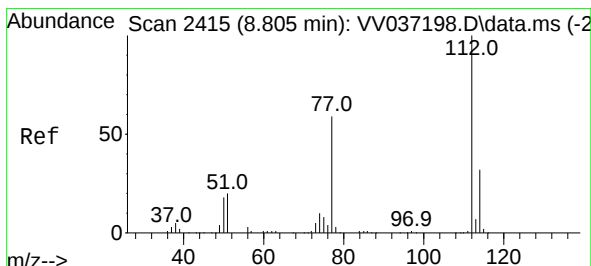
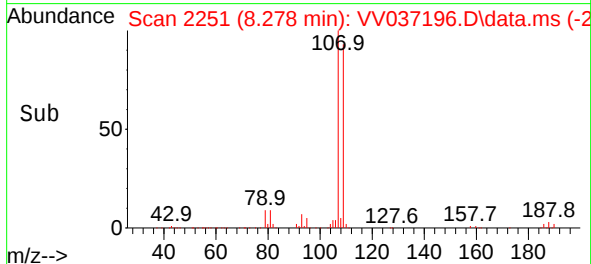
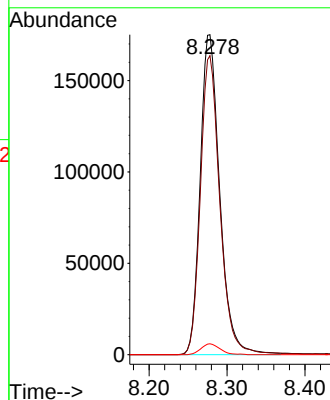
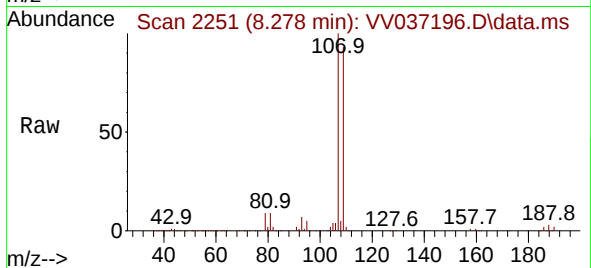




#50
1,2-Dibromoethane
Concen: 55.565 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

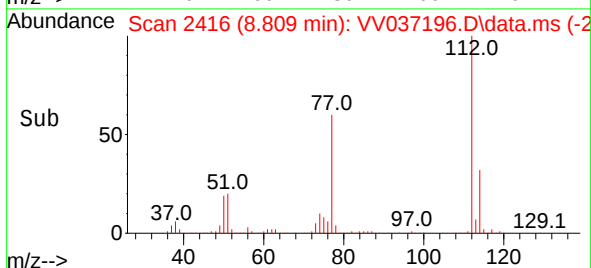
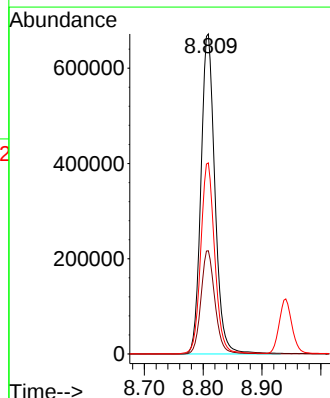
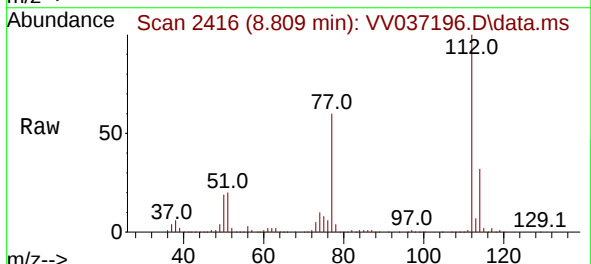
Instrument :
MSVOA_V
ClientSampleId :

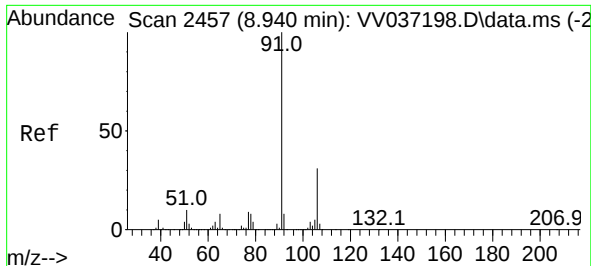
Tgt Ion:107 Resp: 305024
Ion Ratio Lower Upper
107 100
109 93.5 63.5 117.9
188 3.4 2.5 3.7



#51
Chlorobenzene
Concen: 54.825 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

Tgt Ion:112 Resp: 1110081
Ion Ratio Lower Upper
112 100
114 32.3 22.4 41.6
77 59.7 47.5 71.3





#52

Ethylbenzene

Concen: 57.412 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

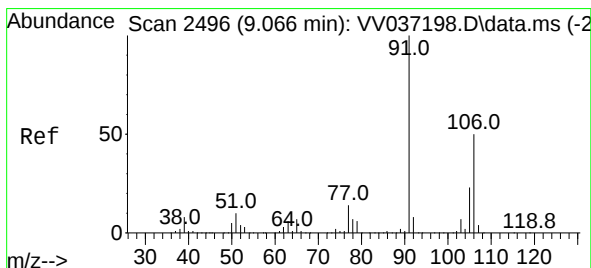
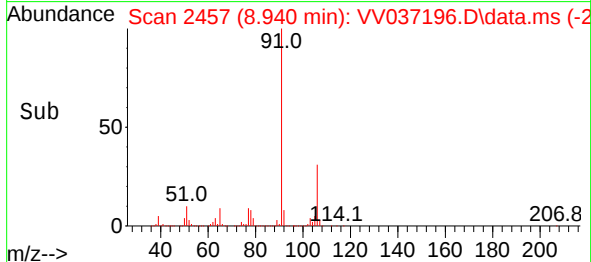
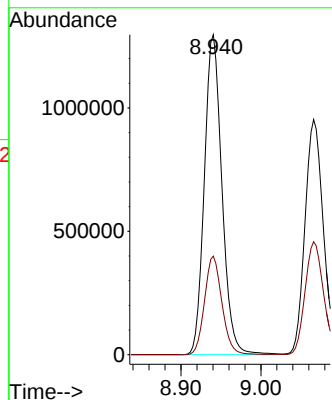
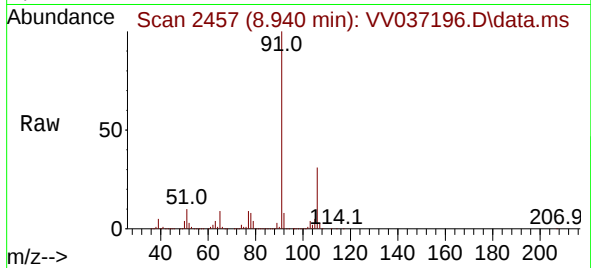
ClientSampleId :

Tgt Ion: 91 Resp: 1989241

Ion Ratio Lower Upper

91 100

106 30.8 21.5 39.9



#53

m,p-Xylene

Concen: 57.560 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.000 min

Lab File: VV037196.D

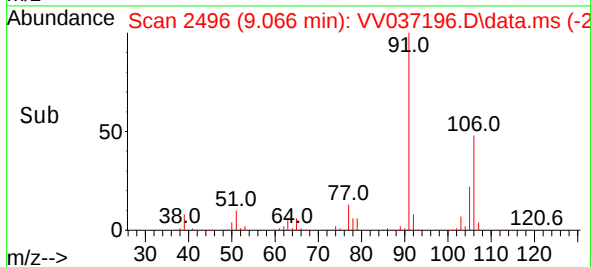
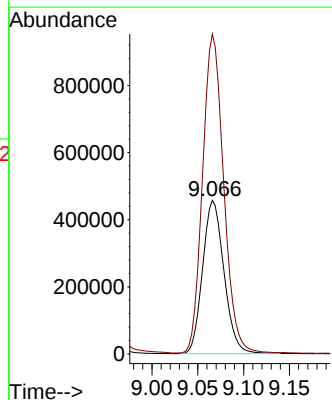
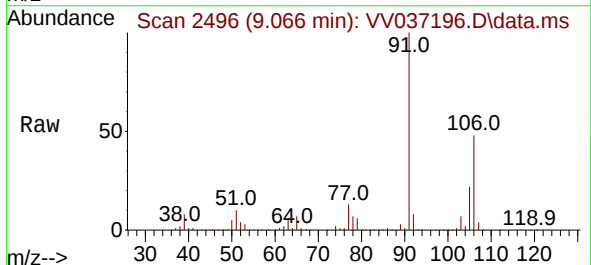
Acq: 04 Sep 2024 12:51

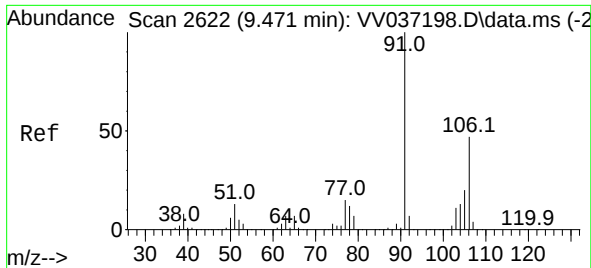
Tgt Ion: 106 Resp: 739925

Ion Ratio Lower Upper

106 100

91 208.4 141.6 263.0

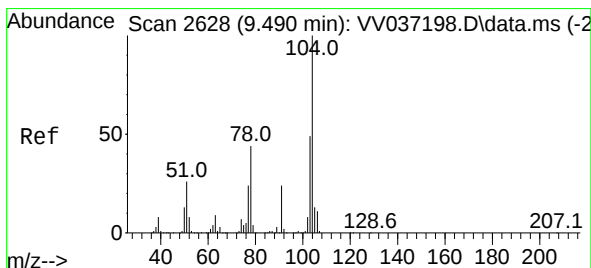
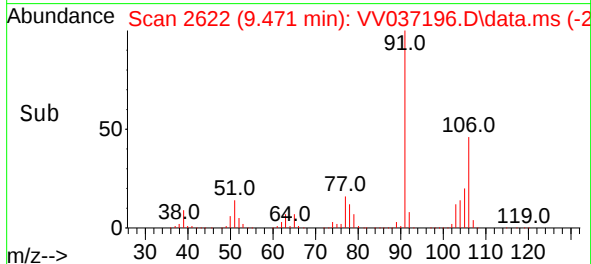
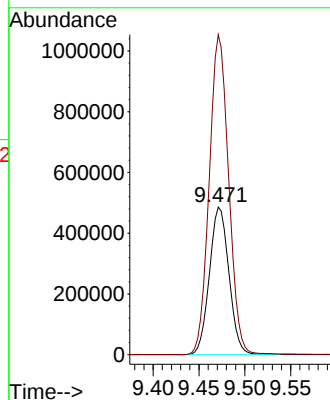
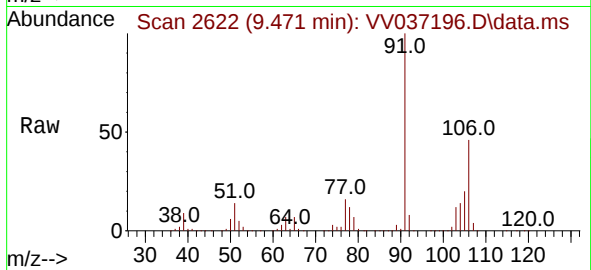




#54
o-Xylene
Concen: 58.093 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.000 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

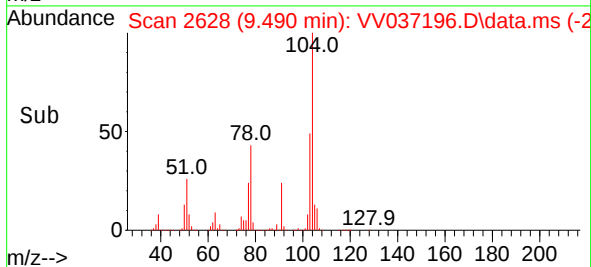
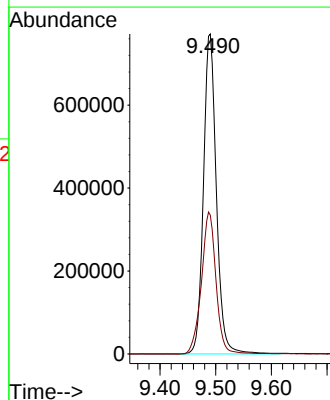
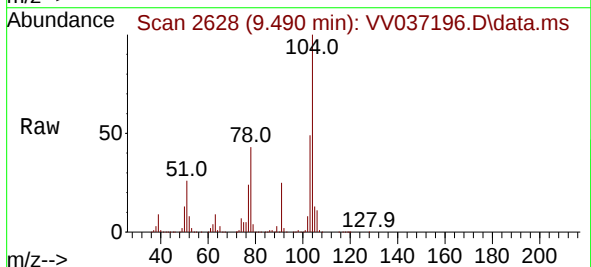
Instrument :
MSVOA_V
ClientSampleId :

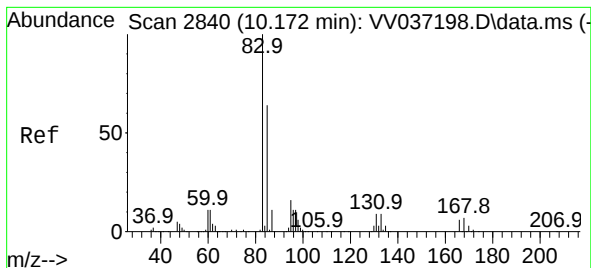
Tgt Ion:106 Resp: 719403
Ion Ratio Lower Upper
106 100
91 216.7 150.4 279.4



#55
Styrene
Concen: 59.793 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

Tgt Ion:104 Resp: 1244088
Ion Ratio Lower Upper
104 100
78 43.4 30.6 56.8





#57

1,1,2,2-Tetrachloroethane

Concen: 54.836 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. 0.000 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

ClientSampleId :

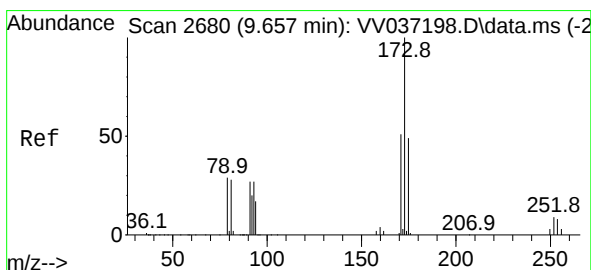
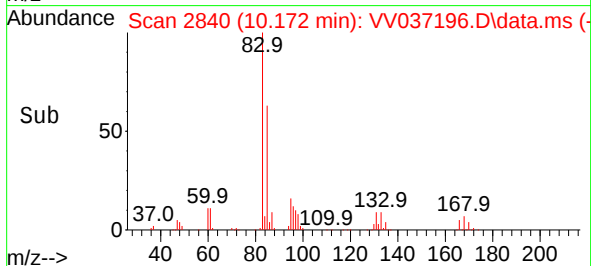
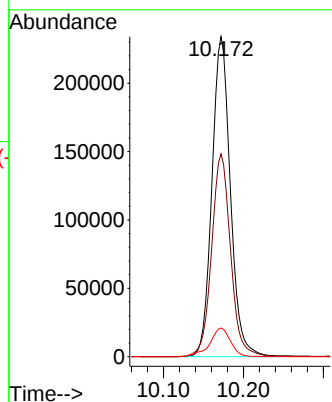
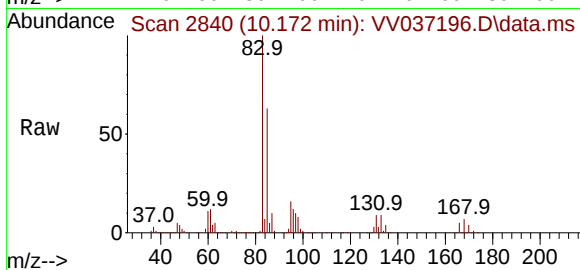
Tgt Ion: 83 Resp: 375453

Ion Ratio Lower Upper

83 100

85 63.4 44.9 83.3

131 9.0 7.1 10.7



#59

Bromoform

Concen: 55.489 ug/L

RT: 9.661 min Scan# 2681

Delta R.T. 0.003 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

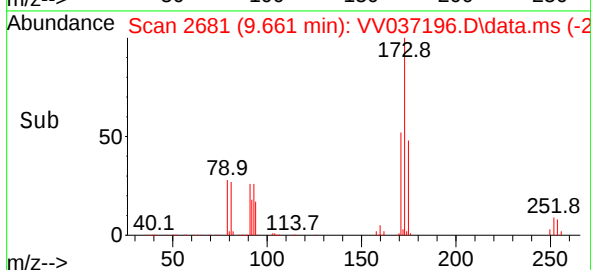
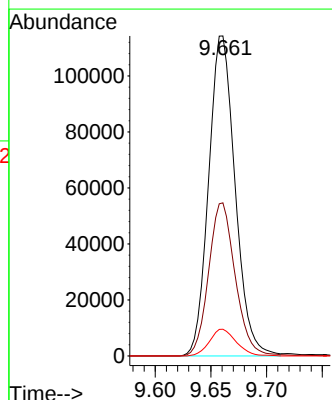
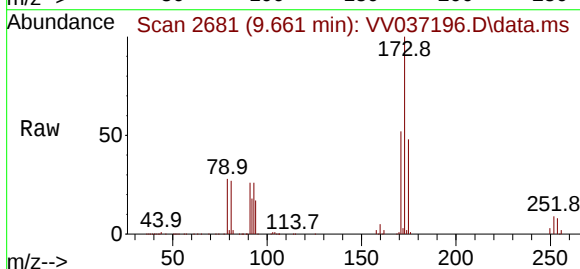
Tgt Ion: 173 Resp: 189194

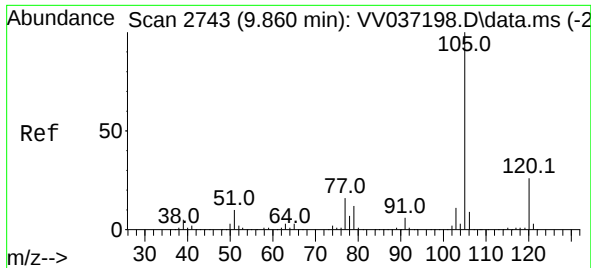
Ion Ratio Lower Upper

173 100

175 48.1 38.6 57.8

254 8.5 6.6 9.8

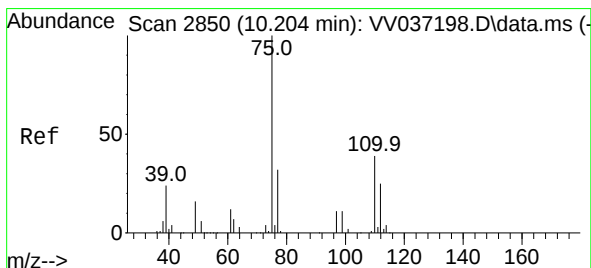
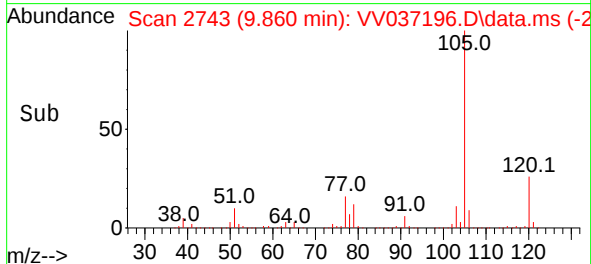
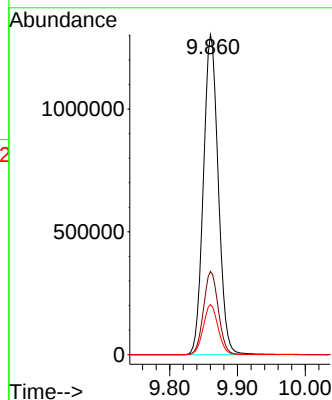
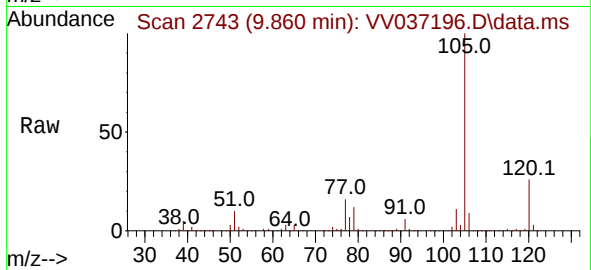




#60
Isopropylbenzene
Concen: 56.791 ug/L
RT: 9.860 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

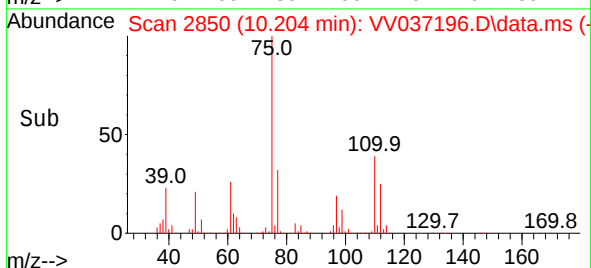
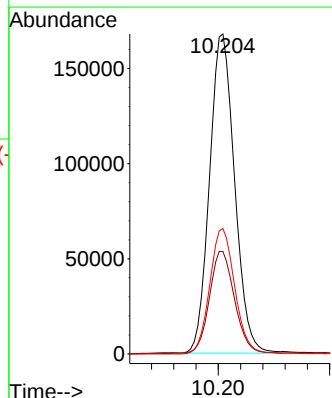
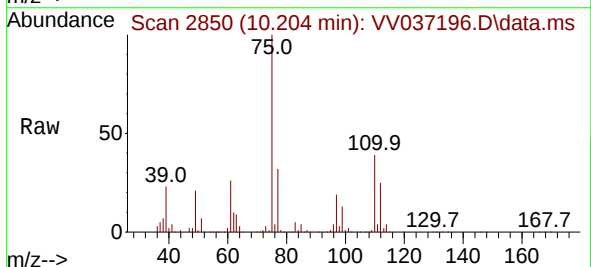
Instrument :
MSVOA_V
ClientSampleId :

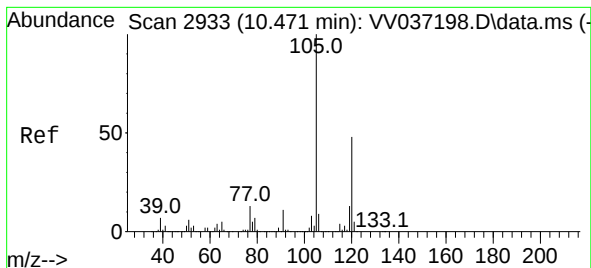
Tgt Ion:105 Resp: 1980469
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 15.6 12.4 18.6



#61
1,2,3-Trichloropropane
Concen: 52.889 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.000 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

Tgt Ion: 75 Resp: 261715
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8
110 39.5 30.8 46.2





#62

1,3,5-Trimethylbenzene

Concen: 57.963 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.000 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

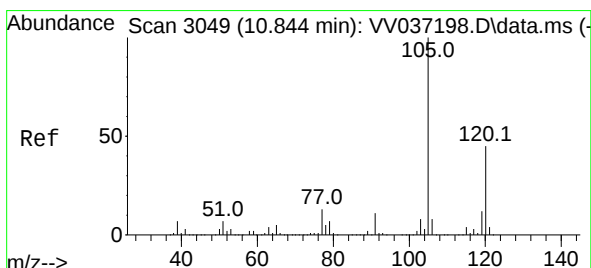
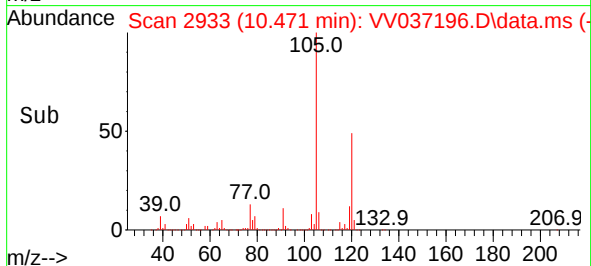
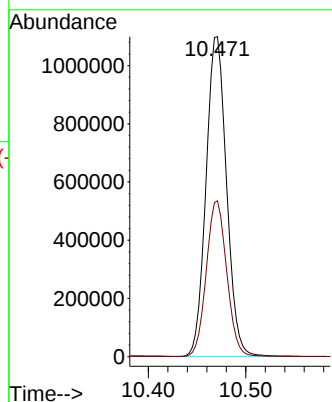
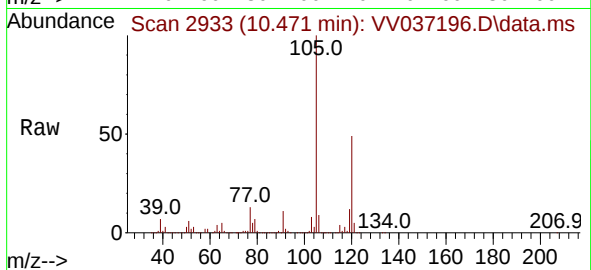
ClientSampleId :

Tgt Ion:105 Resp: 1605276

Ion Ratio Lower Upper

105 100

120 48.6 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 58.226 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV037196.D

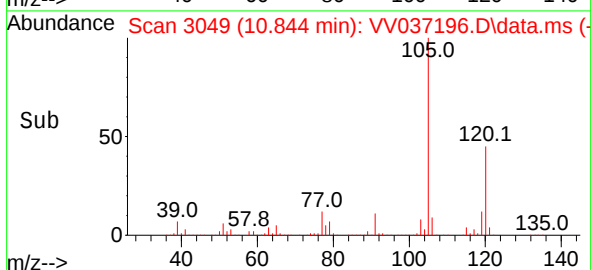
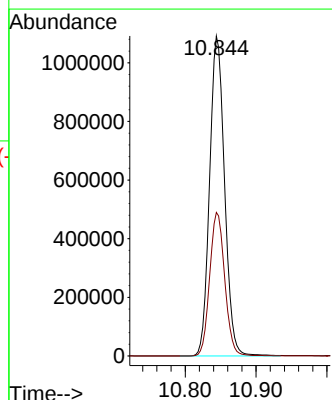
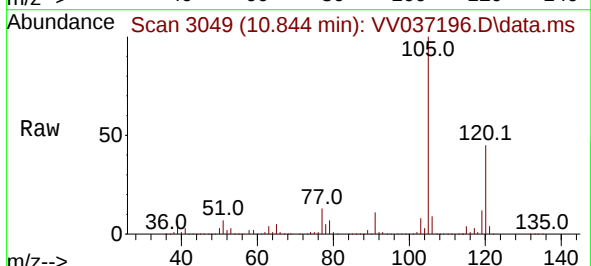
Acq: 04 Sep 2024 12:51

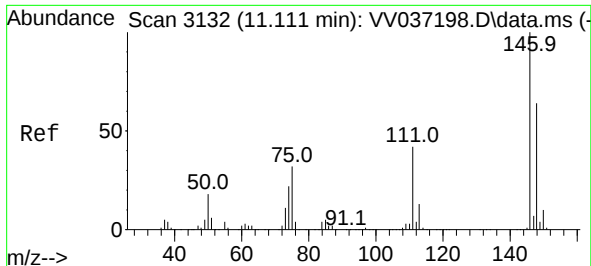
Tgt Ion:105 Resp: 1599328

Ion Ratio Lower Upper

105 100

120 45.0 35.8 53.6

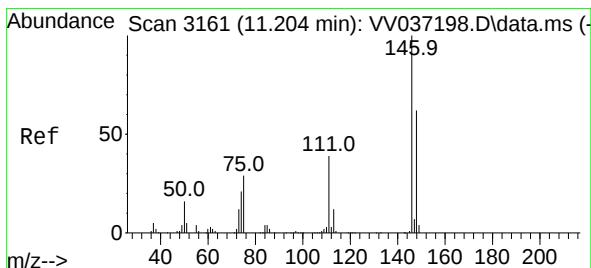
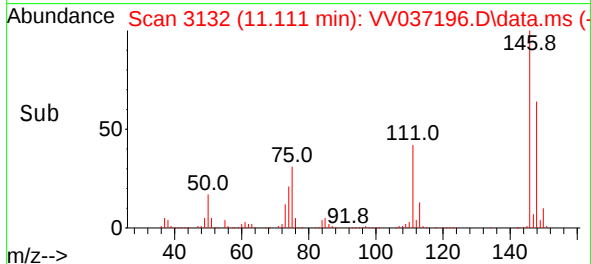
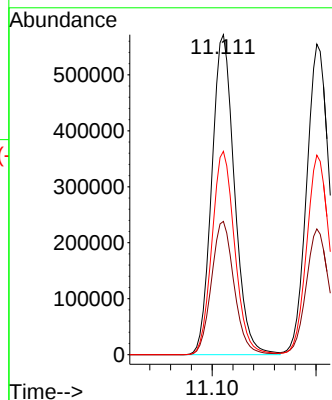
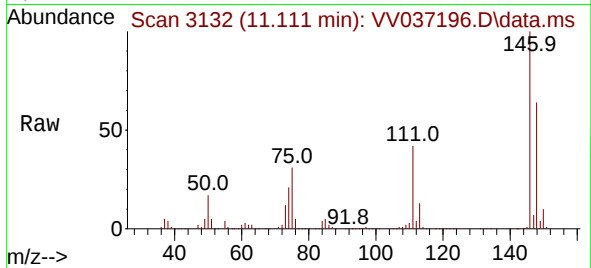




#64
1,3-Dichlorobenzene
Concen: 54.488 ug/L
RT: 11.111 min Scan# 3132
Delta R.T. 0.000 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

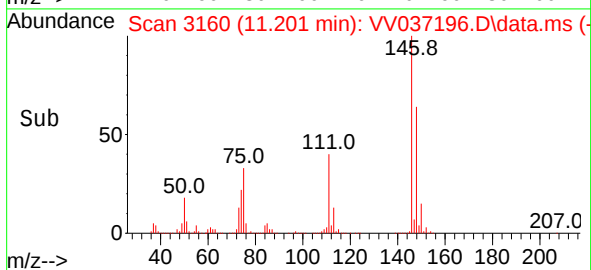
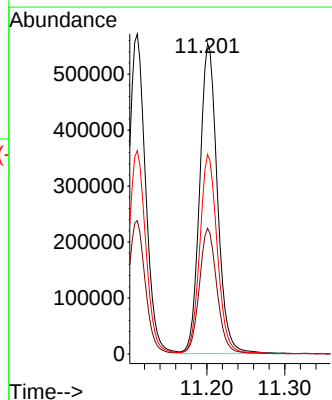
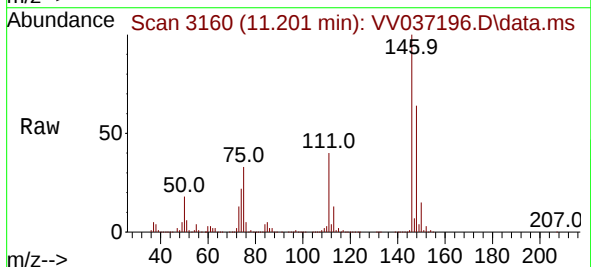
Instrument :
MSVOA_V
ClientSampleId :

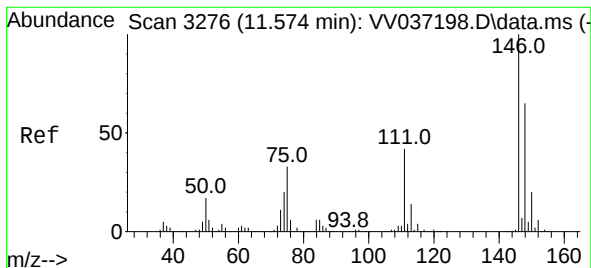
Tgt Ion:146 Resp: 866356
Ion Ratio Lower Upper
146 100
111 41.7 29.7 55.1
148 63.6 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 53.545 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. -0.003 min
Lab File: VV037196.D
Acq: 04 Sep 2024 12:51

Tgt Ion:146 Resp: 868006
Ion Ratio Lower Upper
146 100
111 40.5 27.6 51.4
148 64.2 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 54.083 ug/L

RT: 11.571 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

ClientSampleId :

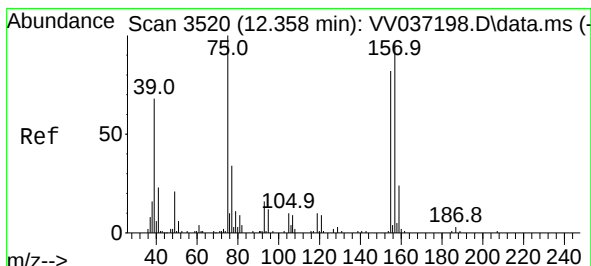
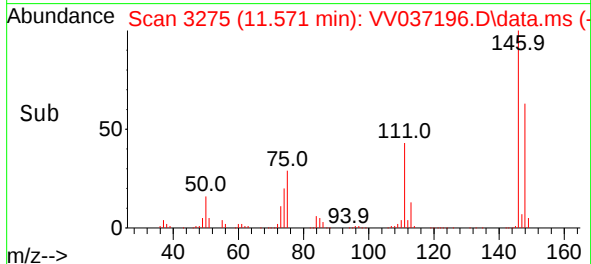
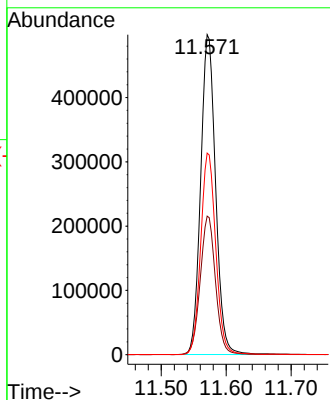
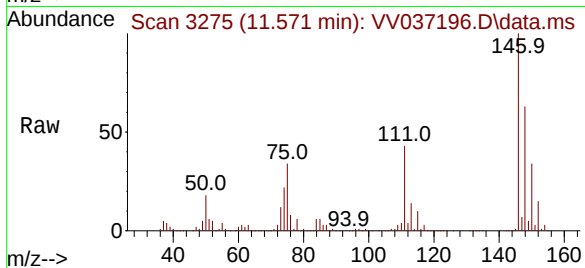
Tgt Ion:146 Resp: 797603

Ion Ratio Lower Upper

146 100

111 43.3 34.1 51.1

148 63.0 51.8 77.6



#68

1,2-Dibromo-3-chloropropane

Concen: 52.617 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.000 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

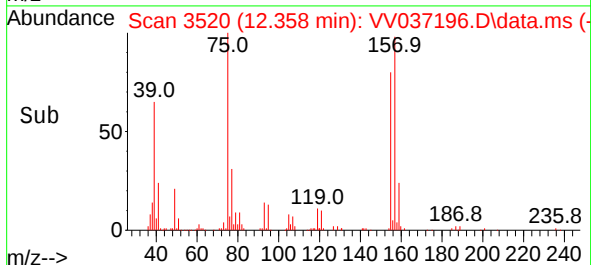
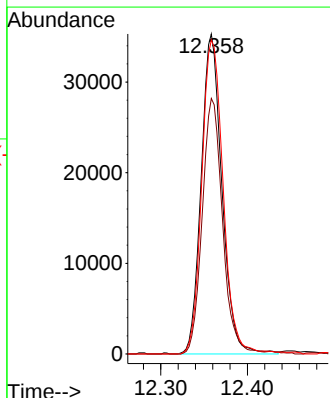
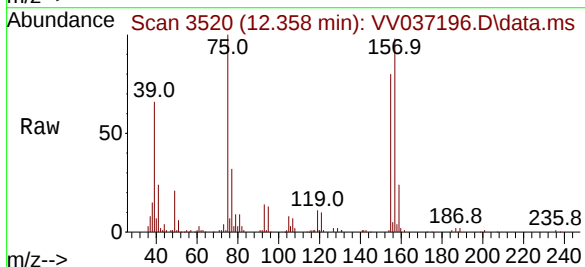
Tgt Ion: 75 Resp: 58760

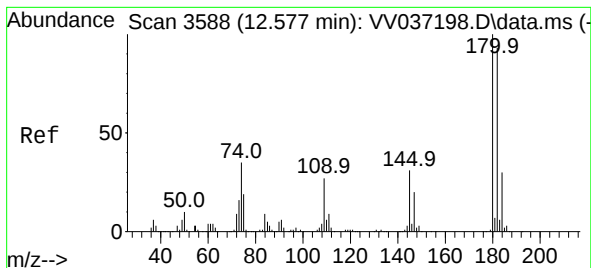
Ion Ratio Lower Upper

75 100

155 79.9 65.6 98.4

157 98.1 76.9 115.3





#69

1,3,5-Trichlorobenzene

Concen: 54.530 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. -0.003 min

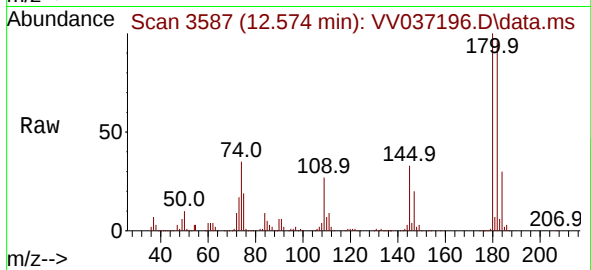
Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 615175

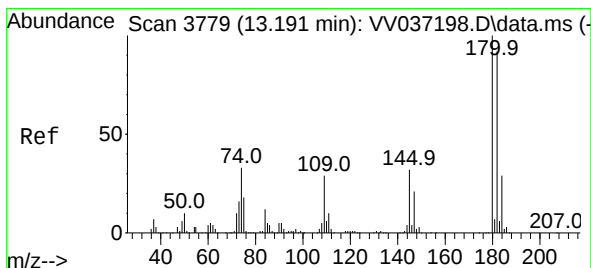
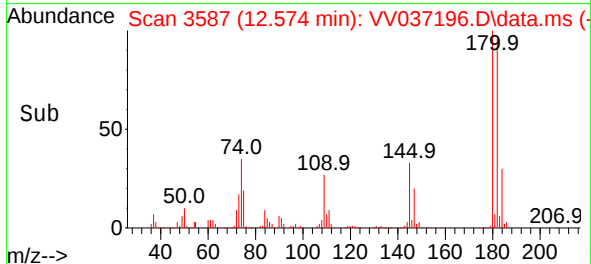
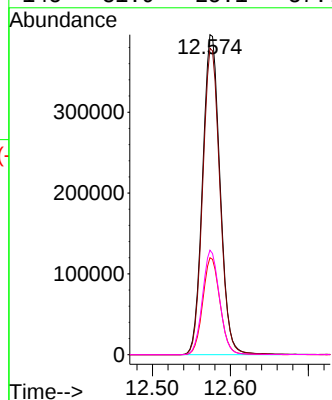
Ion Ratio Lower Upper

180 100

182 94.7 74.6 111.8

184 29.9 23.8 35.8

145 31.9 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 54.661 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

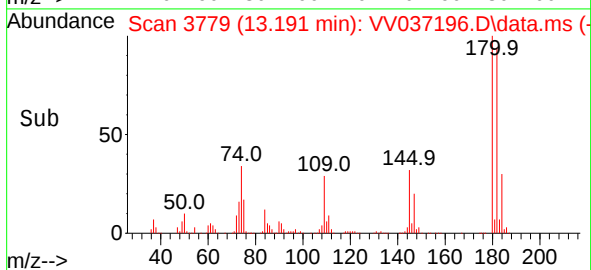
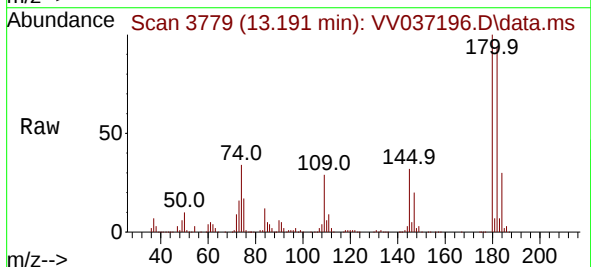
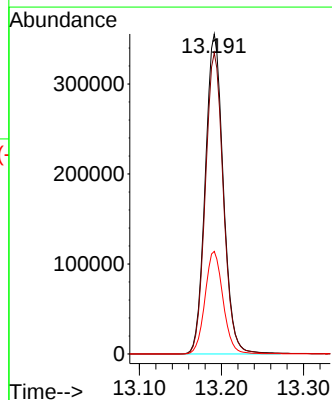
Tgt Ion:180 Resp: 544380

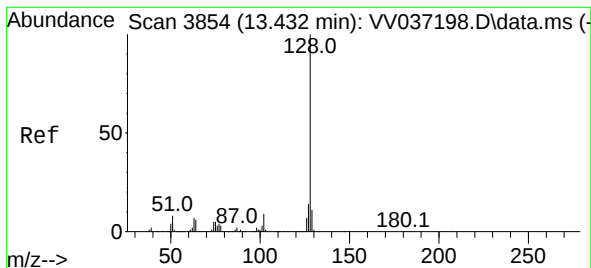
Ion Ratio Lower Upper

180 100

182 94.0 74.9 112.3

145 32.0 25.4 38.0





#71

Naphthalene

Concen: 55.196 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. 0.000 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Instrument :

MSVOA_V

ClientSampleId :

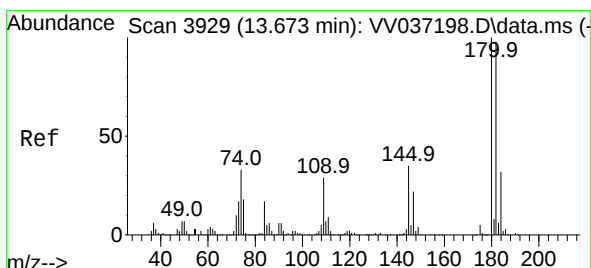
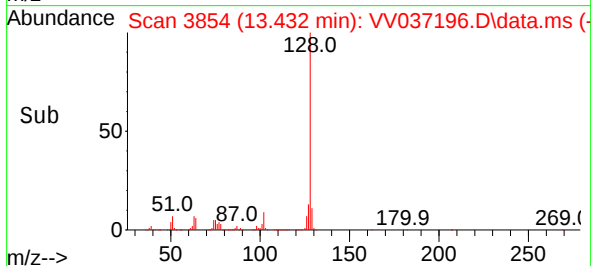
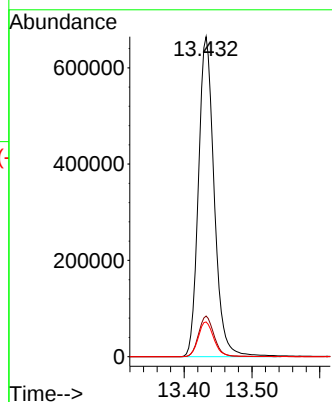
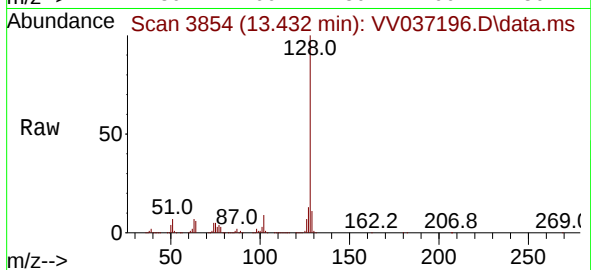
Tgt Ion:128 Resp: 1072405

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

129 10.8 8.2 12.2



#72

1,2,3-Trichlorobenzene

Concen: 53.922 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.000 min

Lab File: VV037196.D

Acq: 04 Sep 2024 12:51

Tgt Ion:180 Resp: 493159

Ion Ratio Lower Upper

180 100

182 95.0 78.0 117.0

145 33.9 27.9 41.9

