

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037536.D
 Acq On : 26 Sep 2024 09:29
 Operator : SY/MD
 Sample : VSTD100
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 00:15:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 00:13:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	696733	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	676163	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	365489	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	642795	105.097	ug/L	0.00
7) Chloroethane-d5	1.532	69	495130	104.294	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	269358	105.412	ug/L	0.00
21) 2-Butanone-d5	3.786	46	461087	216.408	ug/L	0.00
24) Chloroform-d	4.243	84	1130877	103.927	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.934	65	656900	103.137	ug/L	0.00
32) Benzene-d6	4.953	84	2221839	105.009	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	699101	100.397	ug/L	0.00
41) Toluene-d8	7.236	98	2069736	107.878	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	338363	108.109	ug/L	0.00
47) 2-Hexanone-d5	8.018	63	327611	239.566	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.146	84	807298	103.123	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.551	152	799935	103.866	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	607198	102.371	ug/L	99
3) Chloromethane	1.217	50	583391	101.312	ug/L	100
5) Vinyl chloride	1.285	62	630549	102.139	ug/L	99
6) Bromomethane	1.487	94	354721	103.539	ug/L	99
8) Chloroethane	1.548	64	385464	101.304	ug/L	99
9) Trichlorofluoromethane	1.712	101	841698	101.290	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	503593	101.415	ug/L	99
12) 1,1-Dichloroethene	2.069	96	475598	102.533	ug/L	93
13) Acetone	2.111	43	414055	193.885	ug/L	98
14) Carbon disulfide	2.240	76	1450421	100.175	ug/L	100
15) Methyl Acetate	2.371	43	384667	103.215	ug/L	98
16) Methylene chloride	2.445	84	520536	99.111	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	492070	100.277	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	1460593	103.746	ug/L	100
19) 1,1-Dichloroethane	3.105	63	946101	100.629	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	577003	105.076	ug/L	99
22) 2-Butanone	3.867	43	497475	216.676	ug/L	99
23) Bromochloromethane	4.140	128	289823	102.031	ug/L	100
25) Chloroform	4.268	83	981565	100.836	ug/L	100
27) 1,2-Dichloroethane	5.034	62	713534	103.832	ug/L	99
29) Cyclohexane	4.574	56	823333	107.245	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	847817	101.805	ug/L	99
31) Carbon tetrachloride	4.725	117	741806	102.455	ug/L	99
33) Benzene	5.002	78	2107556	103.350	ug/L	100
34) Trichloroethene	5.825	95	557601	102.675	ug/L	99
35) Methylcyclohexane	6.043	83	894470	107.065	ug/L	100
37) 1,2-Dichloropropane	6.088	63	558784	106.112	ug/L	99
38) Bromodichloromethane	6.426	83	734997	104.413	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	903600	107.497	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	947163	224.879	ug/L	98
42) Toluene	7.307	91	2254843	106.660	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	837801	110.706	ug/L	99

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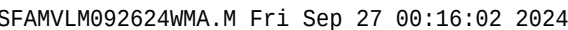
Instrument :
 MSVOA_V
 ClientSampleId :

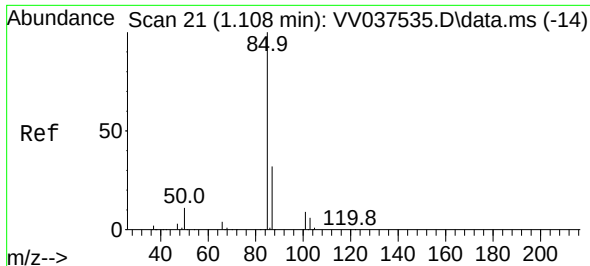
Quant Time: Sep 27 00:15:45 2024
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.763	97	524594	103.751	ug/L	99
46) Tetrachloroethene	7.899	164	421687	101.559	ug/L	98
48) 2-Hexanone	8.069	43	714965	228.724	ug/L	99
49) Dibromochloromethane	8.169	129	561715	104.965	ug/L	99
50) 1,2-Dibromoethane	8.275	107	543829	104.048	ug/L	100
51) Chlorobenzene	8.805	112	1475333	102.432	ug/L	99
52) Ethylbenzene	8.940	91	2559775	107.568	ug/L	100
53) m,p-Xylene	9.066	106	966989	109.185	ug/L	99
54) o-Xylene	9.471	106	951405	110.034	ug/L	96
55) Styrene	9.487	104	1674107	111.220	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	720607	102.220	ug/L	100
59) Bromoform	9.657	173	379743	106.305	ug/L	98
60) Isopropylbenzene	9.860	105	2552183	107.407	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	523322	100.625	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	2103149	111.951	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	2119156	113.373	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	1192474	104.261	ug/L	100
65) 1,4-Dichlorobenzene	11.201	146	1217599	102.237	ug/L	100
67) 1,2-Dichlorobenzene	11.570	146	1169058	103.396	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.355	75	132637	105.063	ug/L	98
69) 1,3,5-Trichlorobenzene	12.574	180	826331	105.061	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	788933	108.112	ug/L	99
71) Naphthalene	13.429	128	2185282	114.619	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	771234	107.022	ug/L	99

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

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Response via : Initial Calibration

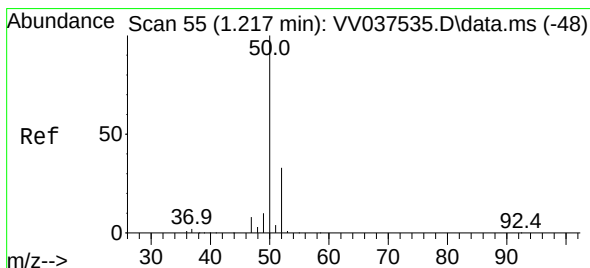
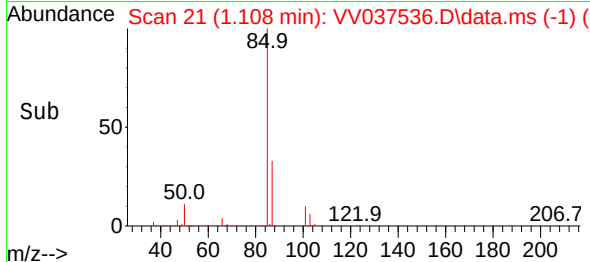
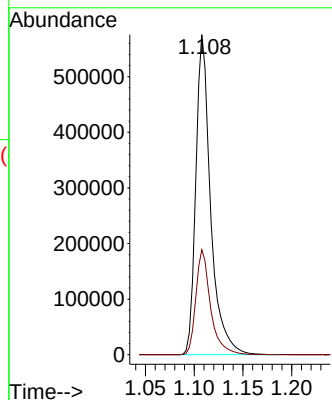
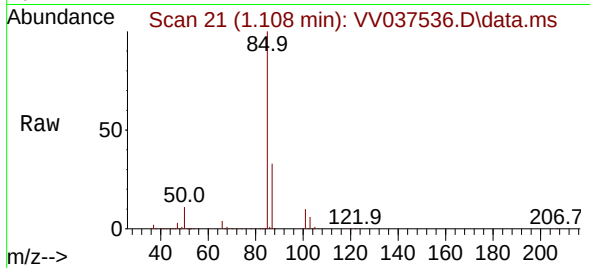




#2
 Dichlorodifluoromethane
 Concen: 102.371 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV037536.D
 Acq: 26 Sep 2024 09:29

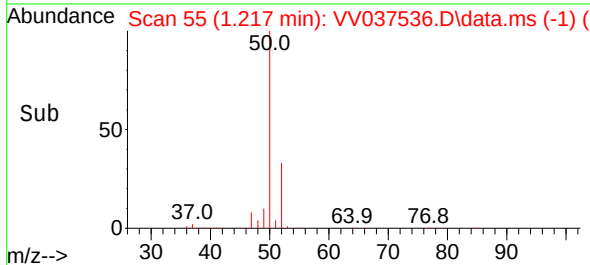
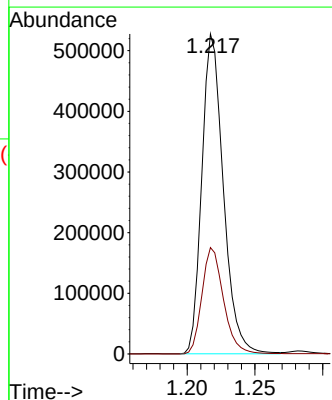
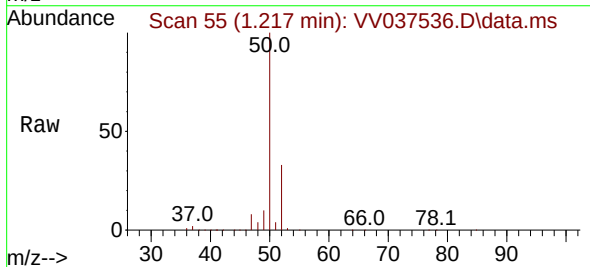
Instrument :
 MSVOA_V
 ClientSampleId :

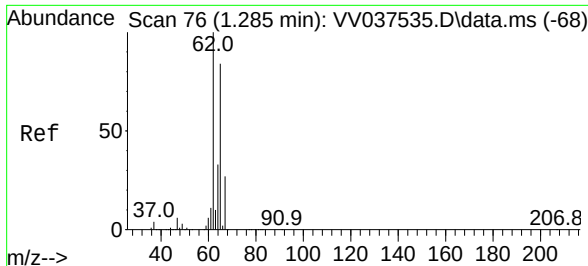
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 Ion Ratio Lower Upper
 85 100
 87 32.6 25.8 38.8



#3
 Chloromethane
 Concen: 101.312 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV037536.D
 Acq: 26 Sep 2024 09:29

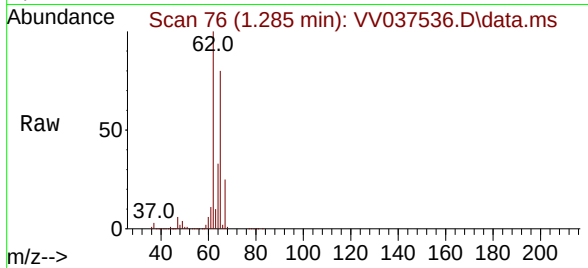
Tgt Ion: 50 Resp: 583391
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.2 43.2



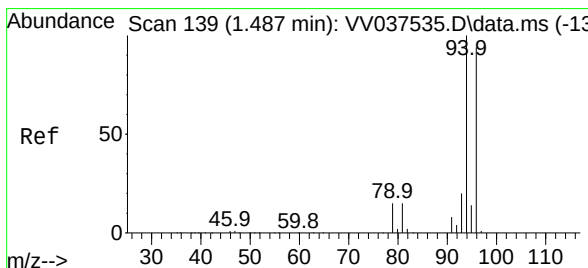
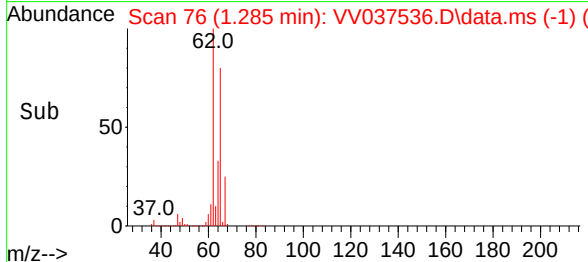
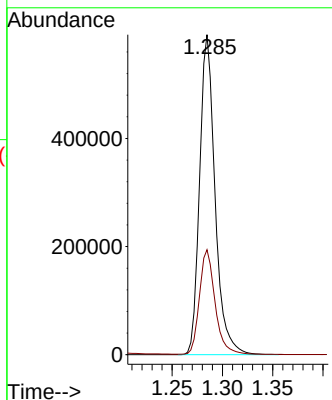


#5
 Vinyl chloride
 Concen: 102.139 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV037536.D
 Acq: 26 Sep 2024 09:29

Instrument :
 MSVOA_V
 ClientSampleId :

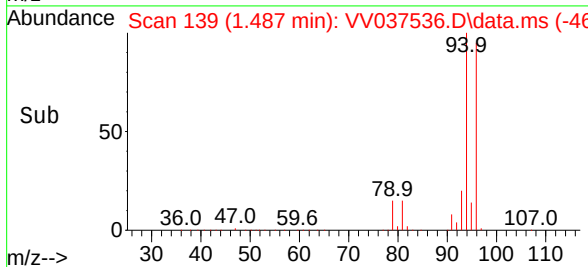
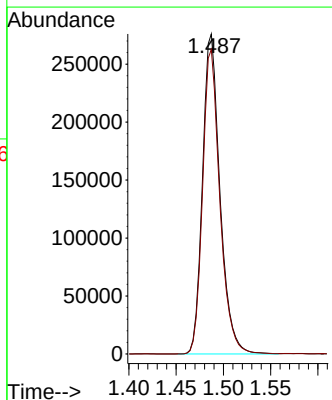
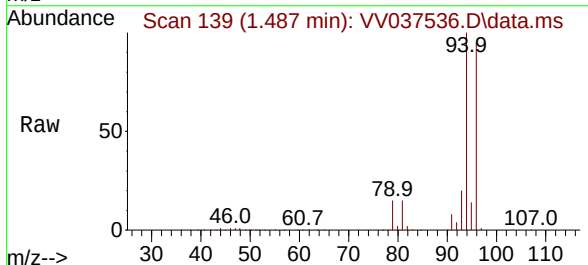


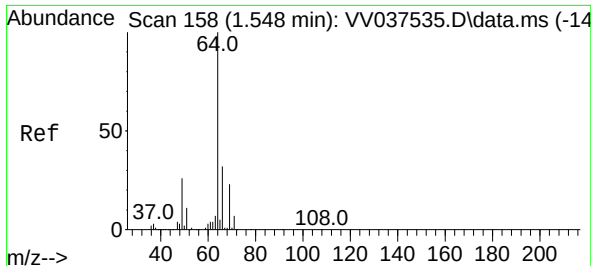
Tgt Ion: 62 Resp: 630549
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.2 43.0



#6
 Bromomethane
 Concen: 103.539 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV037536.D
 Acq: 26 Sep 2024 09:29

Tgt Ion: 94 Resp: 354721
 Ion Ratio Lower Upper
 94 100
 96 95.1 65.8 122.2

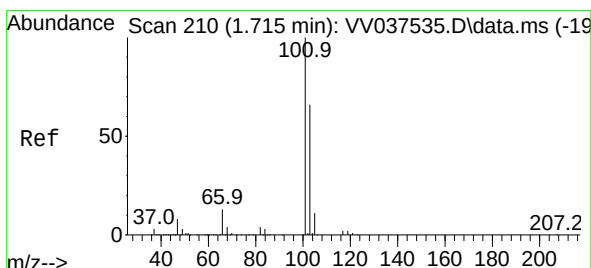
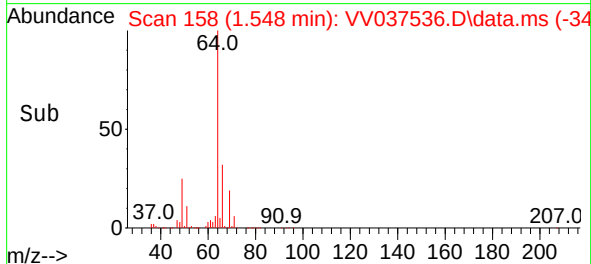
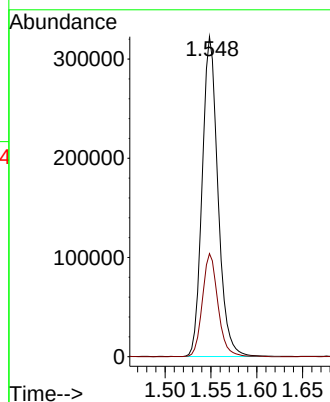
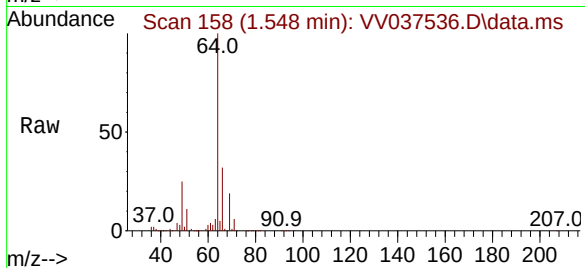




#8
Chloroethane
Concen: 101.304 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

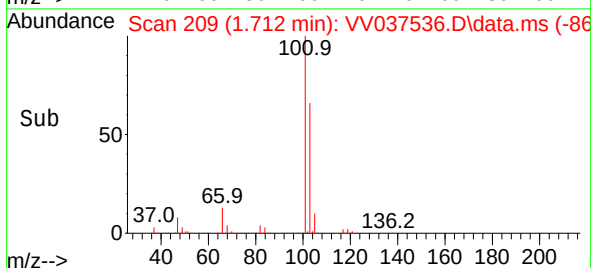
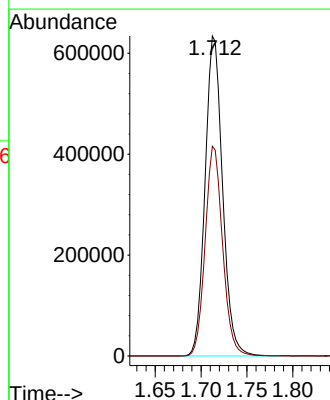
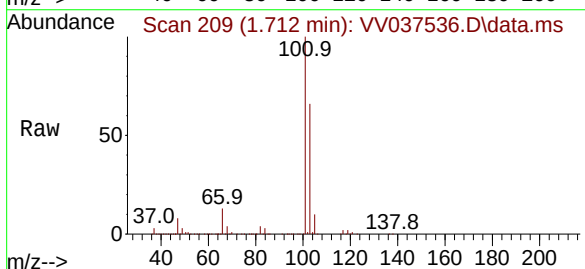
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MSVOA_V
ClientSampleId :

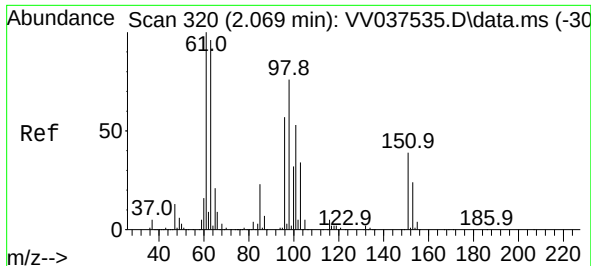
Tgt Ion: 64 Resp: 385464
Ion Ratio Lower Upper
64 100
66 32.2 22.2 41.2



#9
Trichlorofluoromethane
Concen: 101.290 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

Tgt Ion:101 Resp: 841698
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.4





#10

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

Concen: 101.415 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

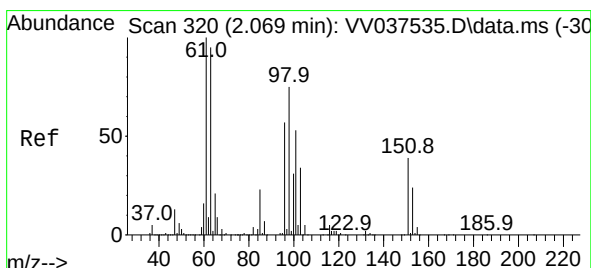
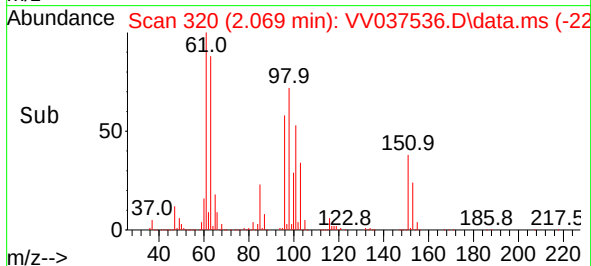
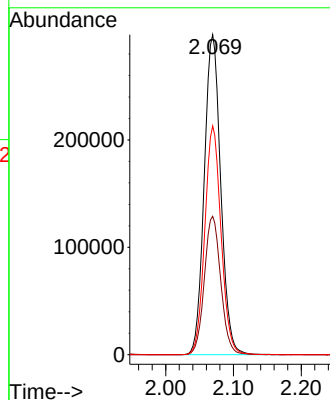
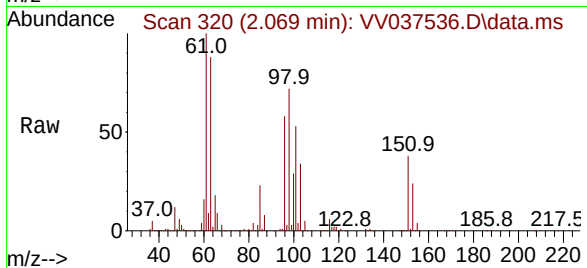
Tgt Ion:101 Resp: 503593

Ion Ratio Lower Upper

101 100

85 43.1 34.6 52.0

151 70.5 57.5 86.3



#12

1,1-Dichloroethene

Concen: 102.533 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

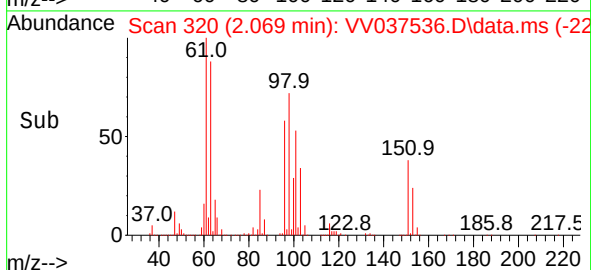
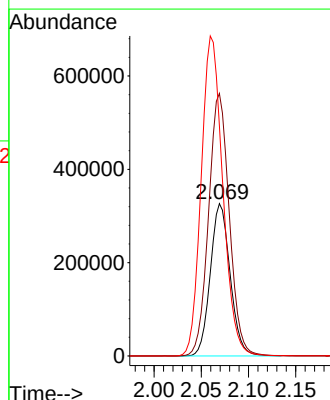
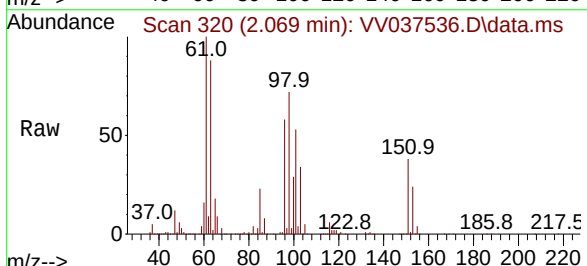
Tgt Ion: 96 Resp: 475598

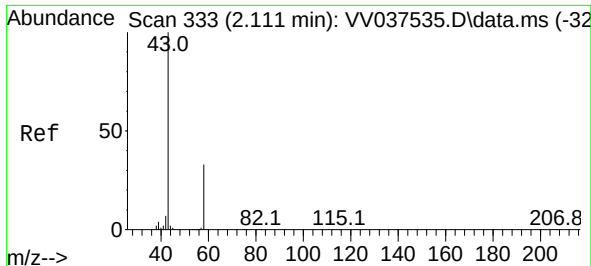
Ion Ratio Lower Upper

96 100

61 172.3 122.6 227.6

63 151.2 118.0 219.2





#13

Acetone

Concen: 193.885 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

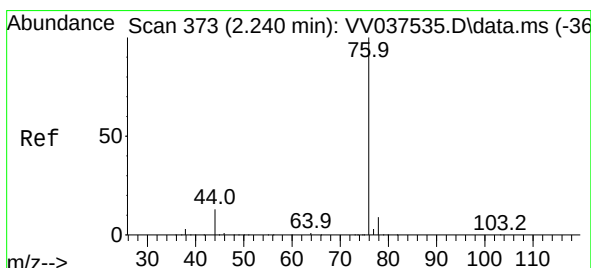
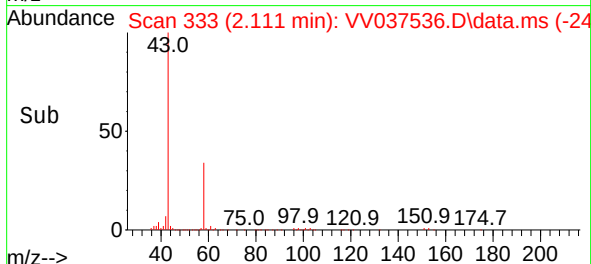
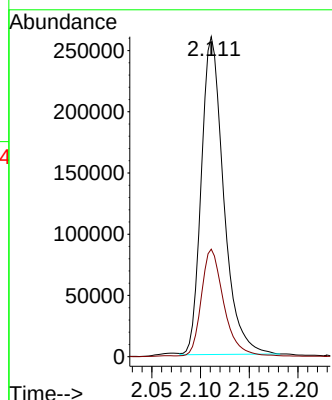
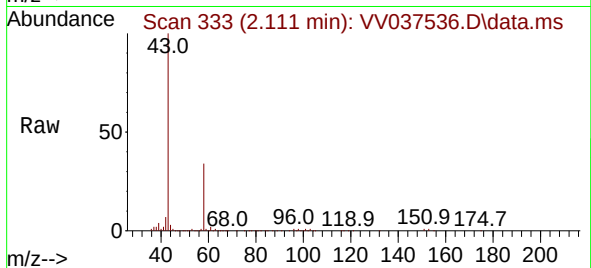
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 414055

Ion	Ratio	Lower	Upper
43	100		
58	34.6	0.0	66.6



#14

Carbon disulfide

Concen: 100.175 ug/L

RT: 2.240 min Scan# 373

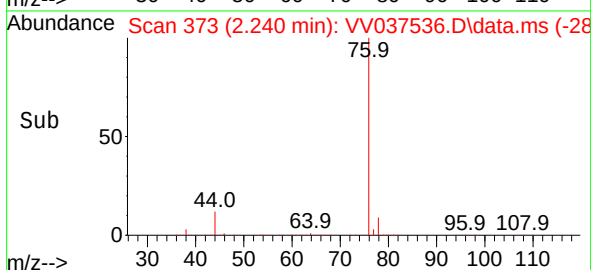
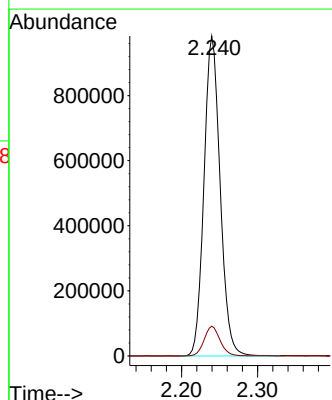
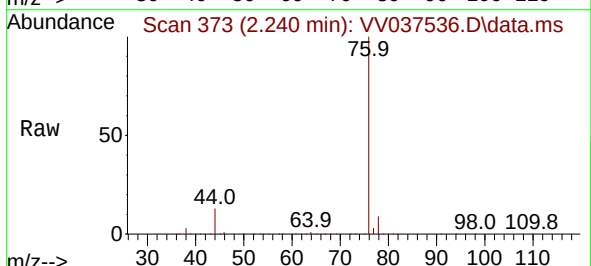
Delta R.T. 0.000 min

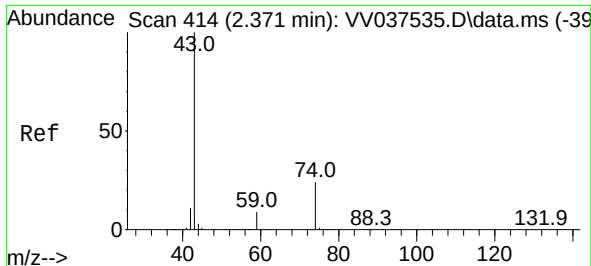
Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Tgt Ion: 76 Resp: 1450421

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0





#15

Methyl Acetate

Concen: 103.215 ug/L

RT: 2.371 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

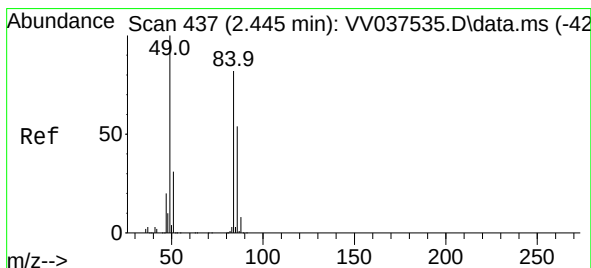
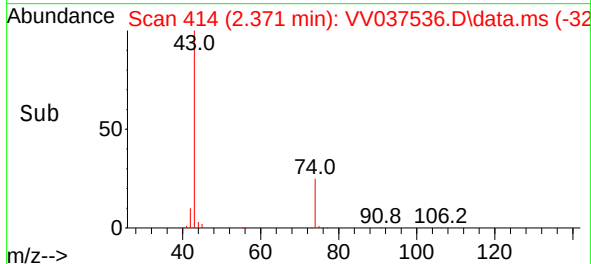
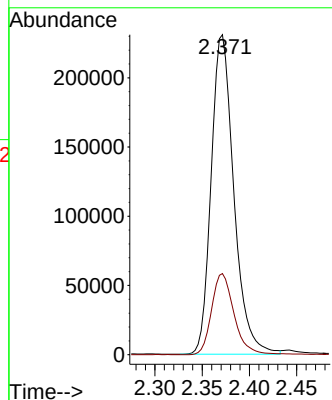
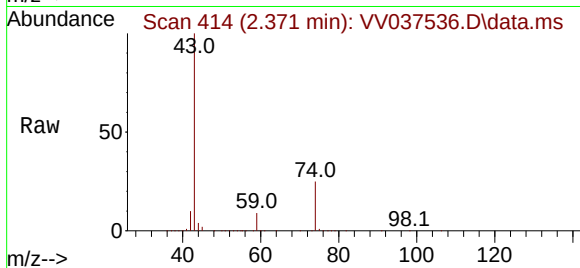
ClientSampleId :

Tgt Ion: 43 Resp: 384667

Ion Ratio Lower Upper

43 100

74 25.1 19.4 29.0



#16

Methylene chloride

Concen: 99.111 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

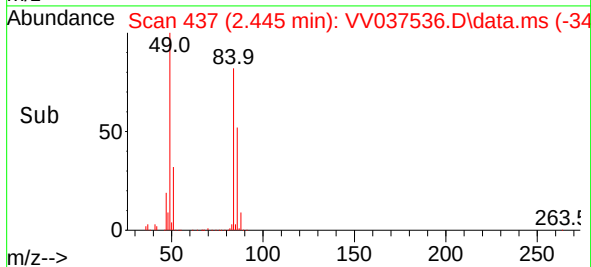
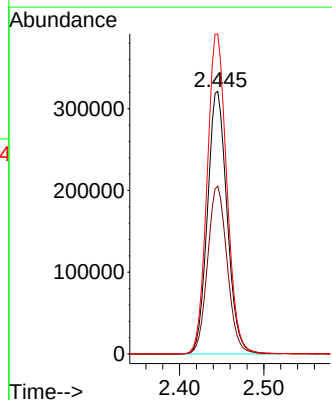
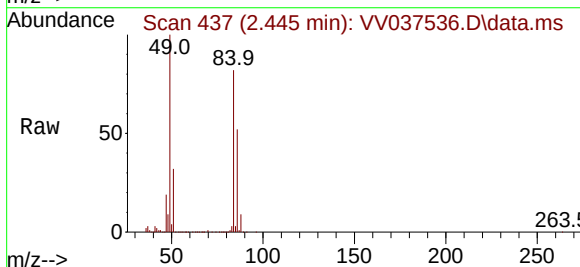
Tgt Ion: 84 Resp: 520536

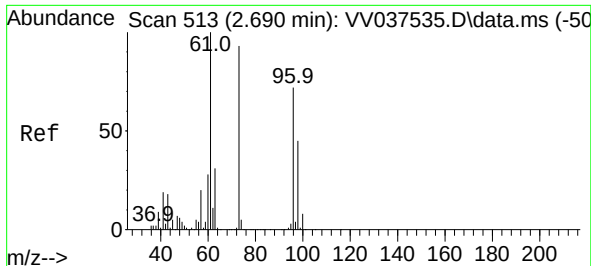
Ion Ratio Lower Upper

84 100

86 63.9 46.4 86.2

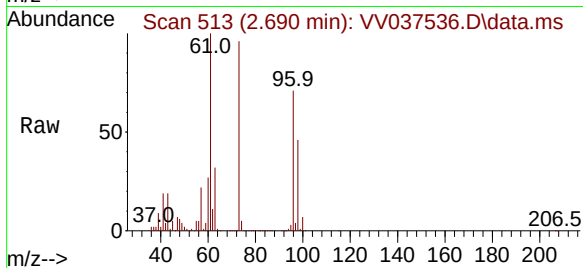
49 121.9 85.9 159.5



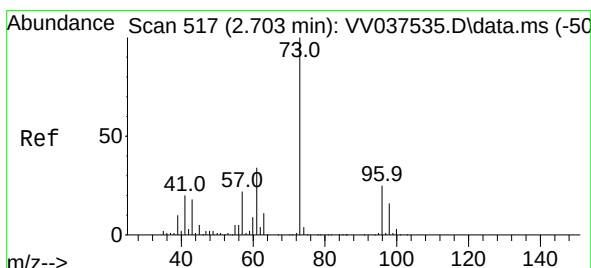
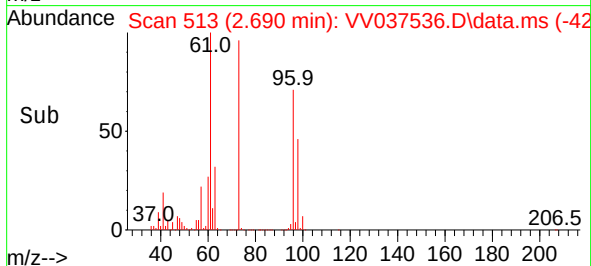
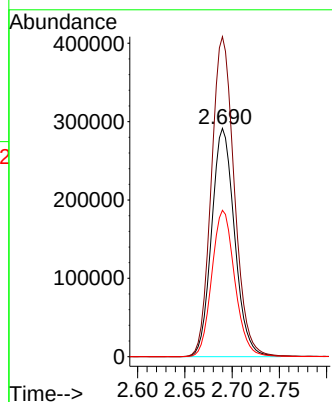


#17
trans-1,2-Dichloroethene
Concen: 100.277 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.000 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

Instrument :
MSVOA_V
ClientSampleId :

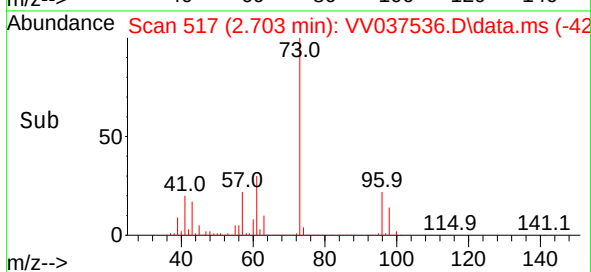
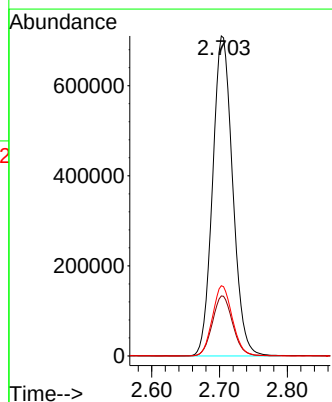
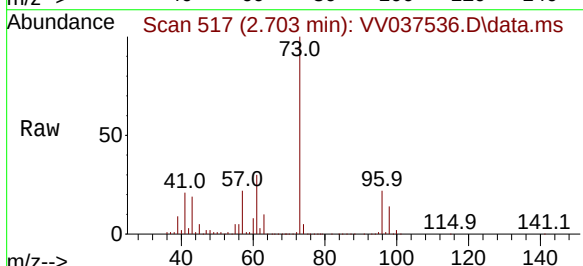


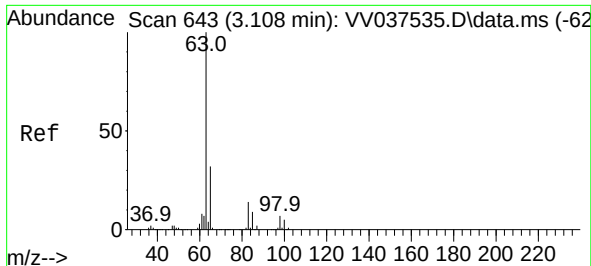
Tgt Ion: 96 Resp: 492070
Ion Ratio Lower Upper
96 100
61 140.2 97.3 180.7
98 64.1 43.9 81.5



#18
Methyl tert-butyl Ether
Concen: 103.746 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

Tgt Ion: 73 Resp: 1460593
Ion Ratio Lower Upper
73 100
43 19.0 15.1 22.7
57 21.8 17.4 26.2

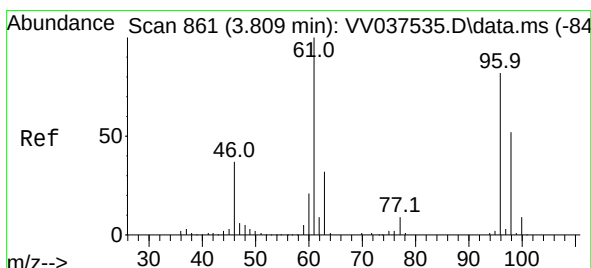
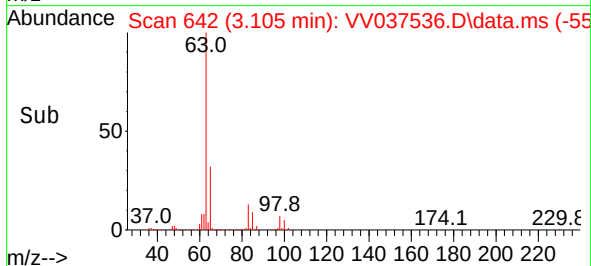
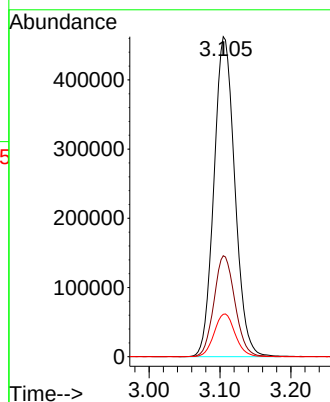
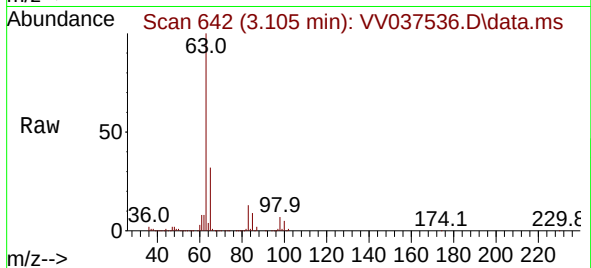




#19
1,1-Dichloroethane
Concen: 100.629 ug/L
RT: 3.105 min Scan# 643
Delta R.T. -0.003 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

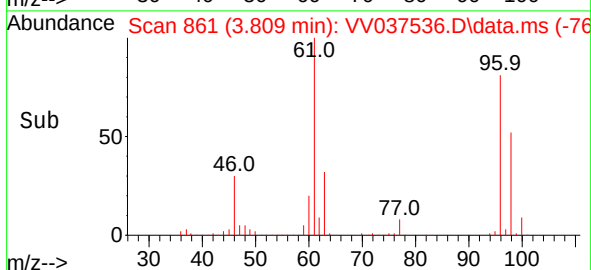
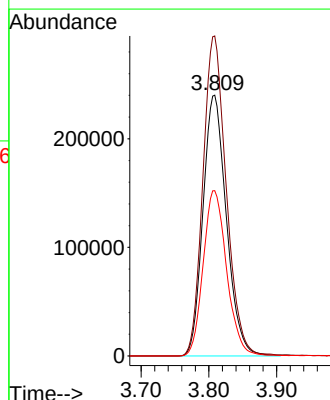
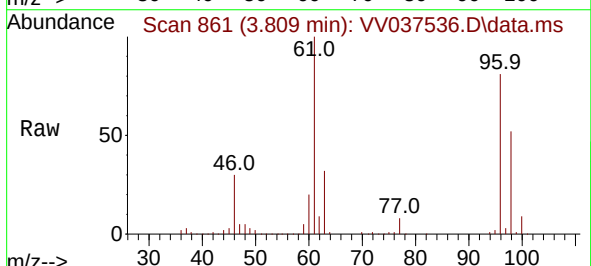
Instrument :
MSVOA_V
ClientSampleId :

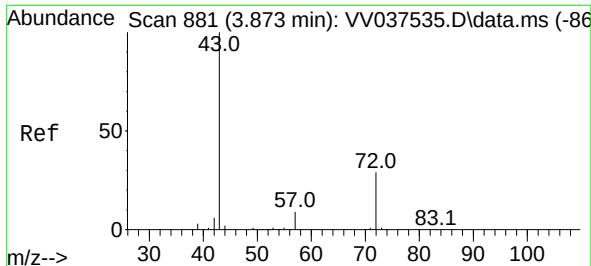
Tgt Ion: 63 Resp: 946101
Ion Ratio Lower Upper
63 100
65 31.5 22.4 41.6
83 13.3 9.5 17.7



#20
cis-1,2-Dichloroethene
Concen: 105.076 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

Tgt Ion: 96 Resp: 577003
Ion Ratio Lower Upper
96 100
61 122.7 85.0 157.8
98 63.4 44.2 82.0

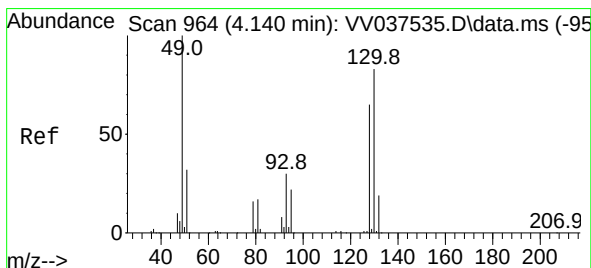
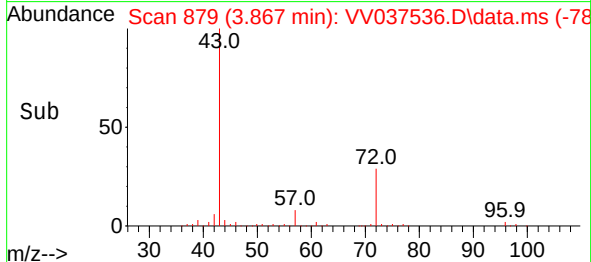
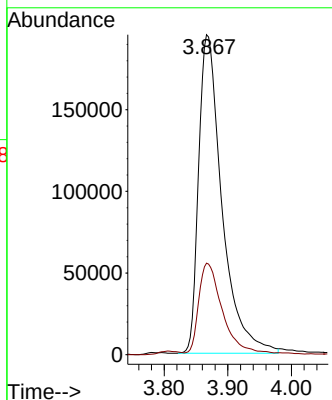
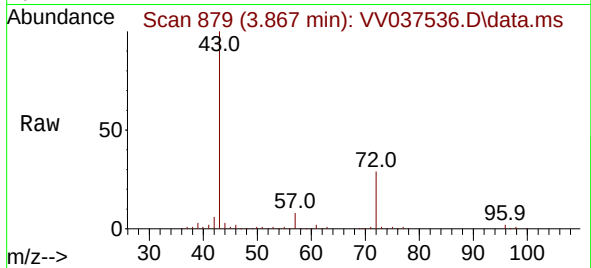




#22
2-Butanone
Concen: 216.676 ug/L
RT: 3.867 min Scan# 81
Delta R.T. -0.006 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

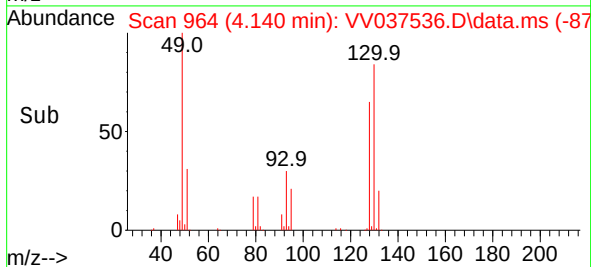
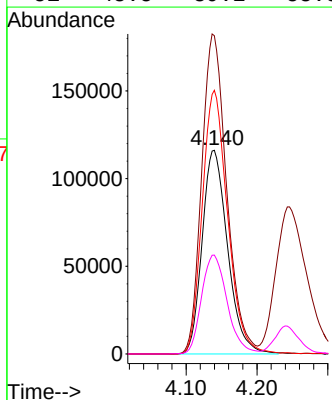
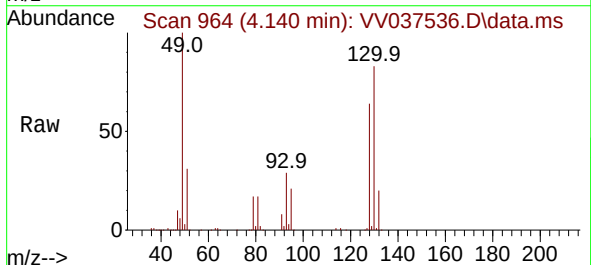
Instrument :
MSVOA_V
ClientSampleId :

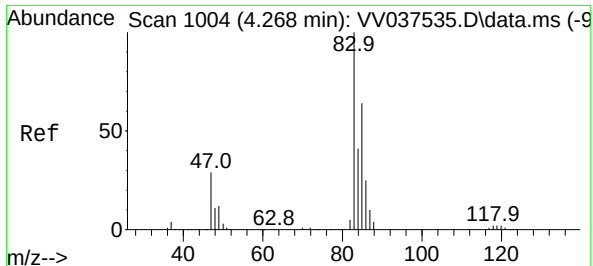
Tgt Ion: 43 Resp: 497475
Ion Ratio Lower Upper
43 100
72 28.3 14.3 42.9



#23
Bromochloromethane
Concen: 102.031 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.000 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

Tgt Ion:128 Resp: 289823
Ion Ratio Lower Upper
128 100
49 156.2 108.7 201.9
130 129.4 90.4 168.0
51 48.5 39.2 58.8





#25

Chloroform

Concen: 100.836 ug/L

RT: 4.268 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

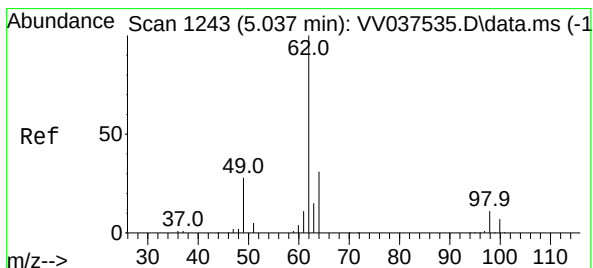
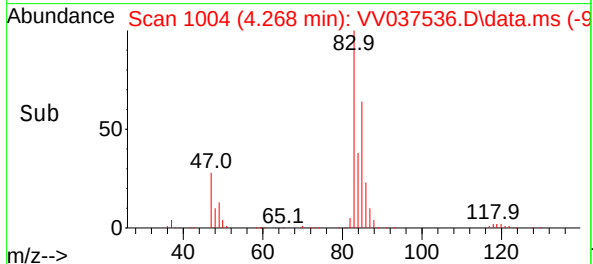
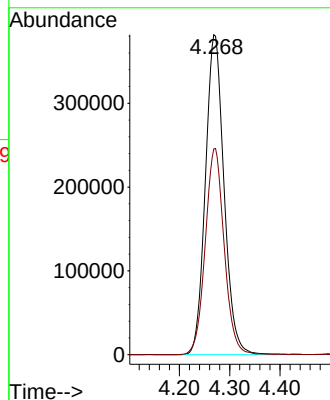
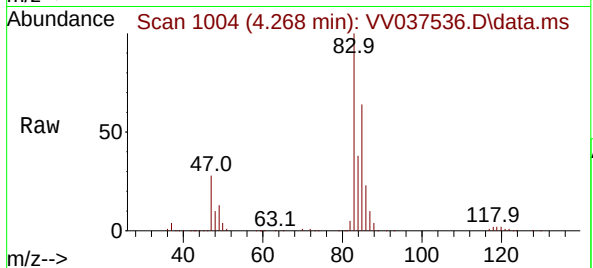
ClientSampleId :

Tgt Ion: 83 Resp: 981565

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.7



#27

1,2-Dichloroethane

Concen: 103.832 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.003 min

Lab File: VV037536.D

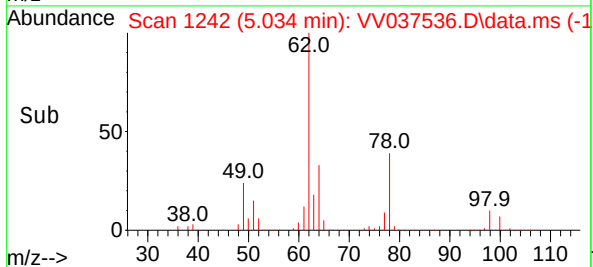
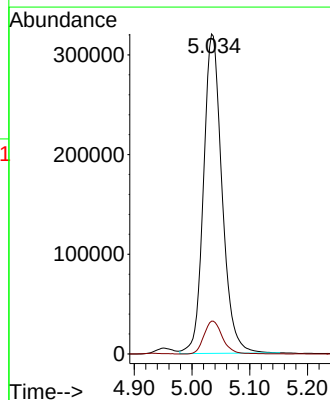
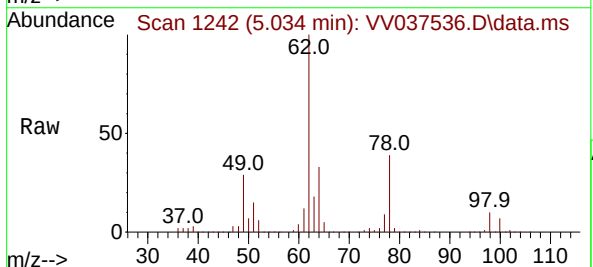
Acq: 26 Sep 2024 09:29

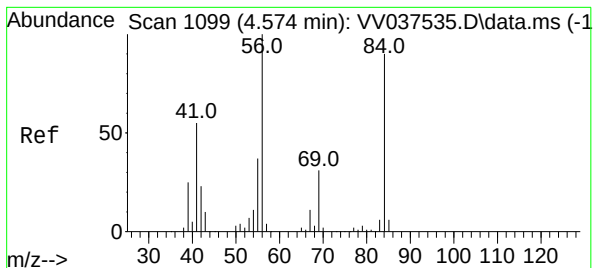
Tgt Ion: 62 Resp: 713534

Ion Ratio Lower Upper

62 100

98 10.3 8.4 12.6





#29

Cyclohexane

Concen: 107.245 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

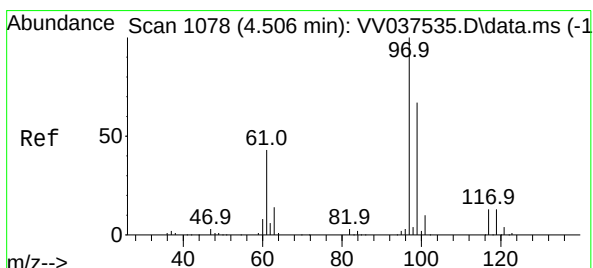
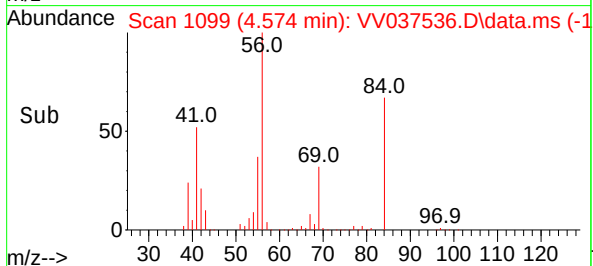
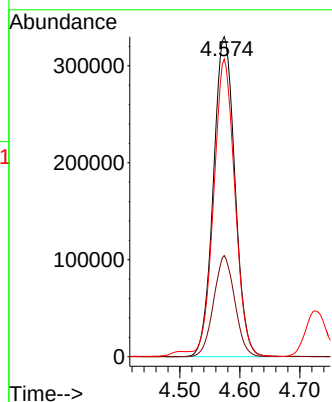
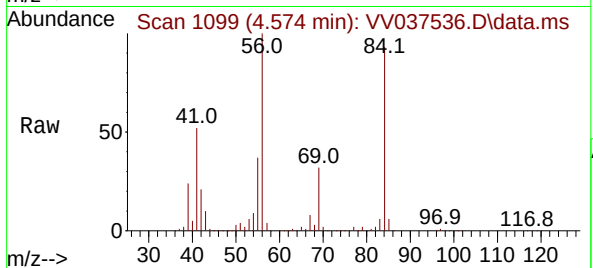
Tgt Ion: 56 Resp: 823333

Ion Ratio Lower Upper

56 100

69 30.9 24.7 37.1

84 91.2 73.4 110.0



#30

1,1,1-Trichloroethane

Concen: 101.805 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

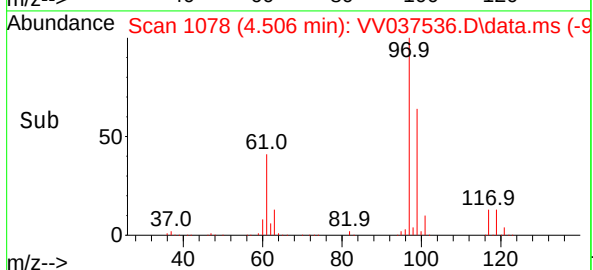
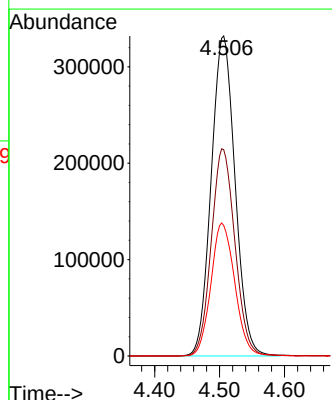
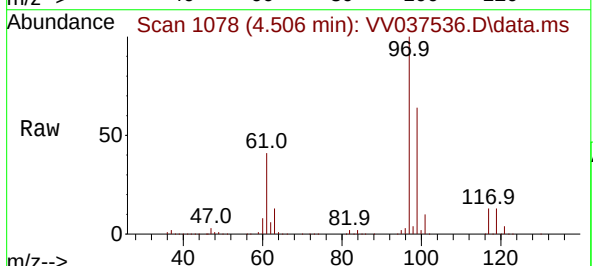
Tgt Ion: 97 Resp: 847817

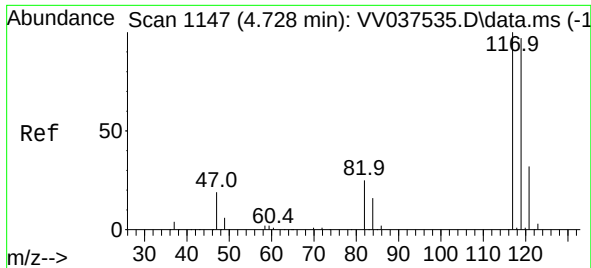
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

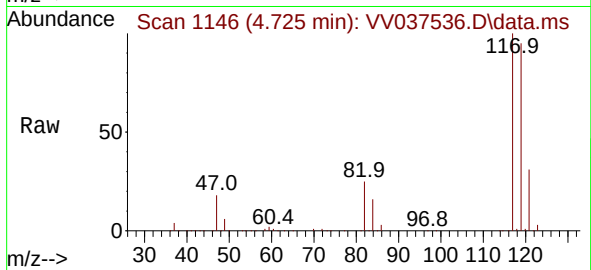
61 41.6 33.6 50.4



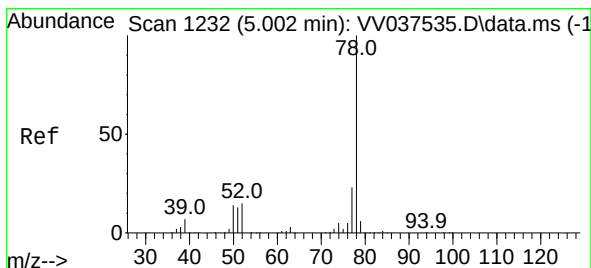
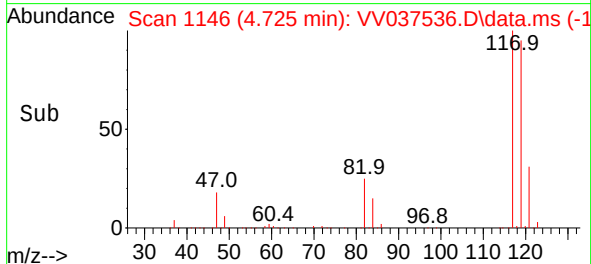
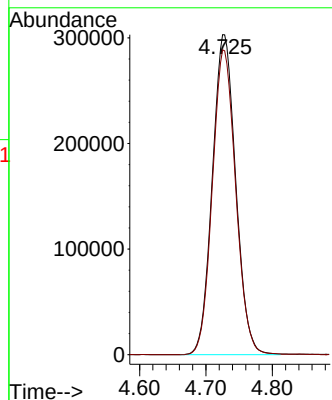


#31
Carbon tetrachloride
Concen: 102.455 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. -0.003 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

Instrument :
MSVOA_V
ClientSampleId :

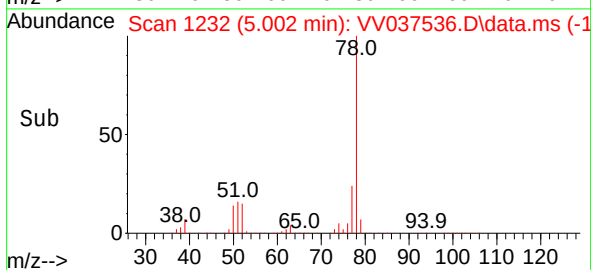
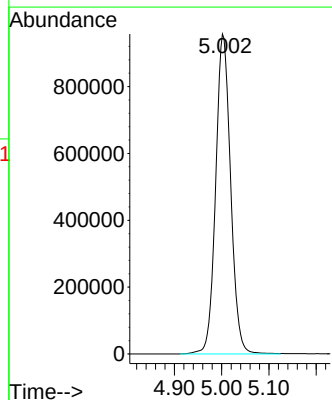
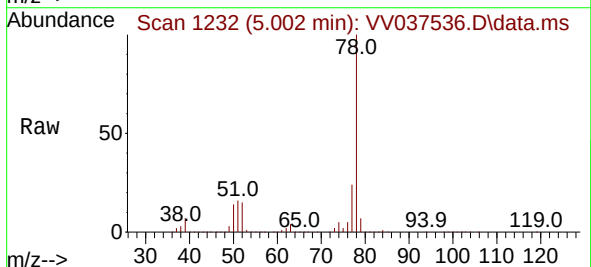


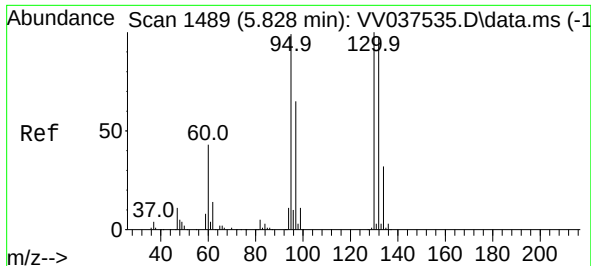
Tgt Ion:117 Resp: 741806
Ion Ratio Lower Upper
117 100
119 95.1 76.9 115.3



#33
Benzene
Concen: 103.350 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

Tgt Ion: 78 Resp: 2107556





#34

Trichloroethene

Concen: 102.675 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 557601

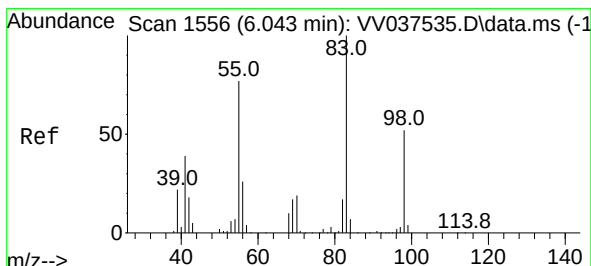
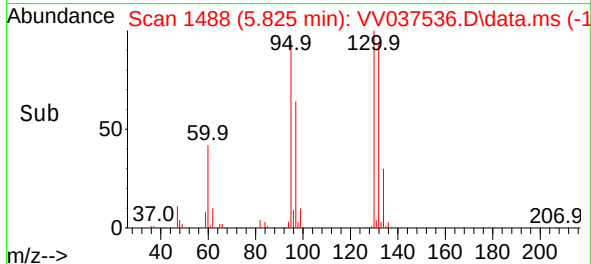
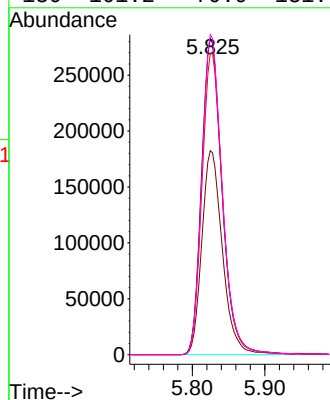
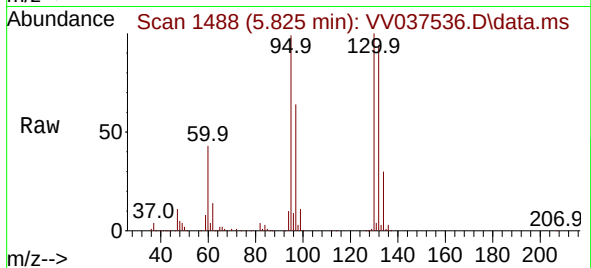
Ion Ratio Lower Upper

95 100

97 64.6 46.3 85.9

132 95.4 68.6 127.4

130 101.2 70.9 131.7



#35

Methylcyclohexane

Concen: 107.065 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

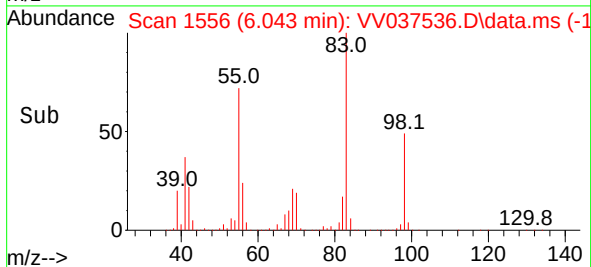
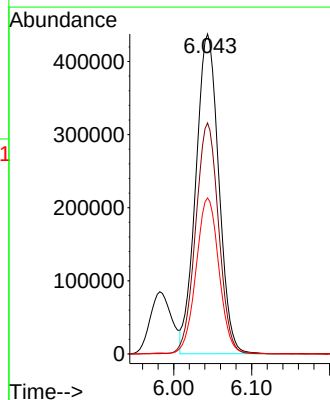
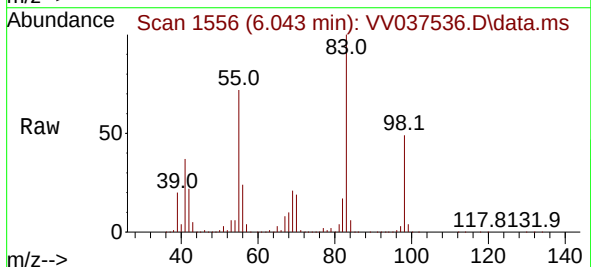
Tgt Ion: 83 Resp: 894470

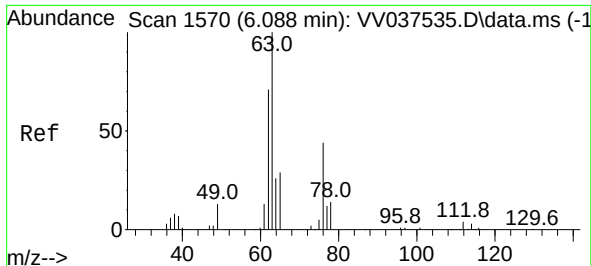
Ion Ratio Lower Upper

83 100

55 72.4 57.9 86.9

98 49.0 39.3 58.9

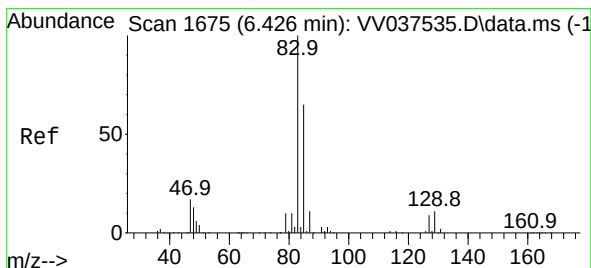
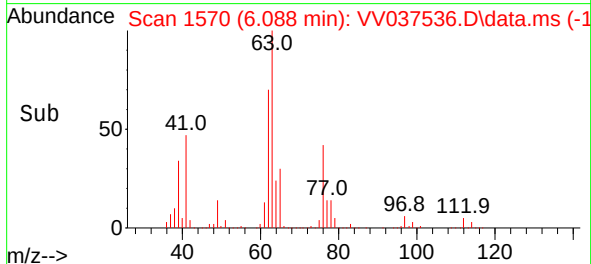
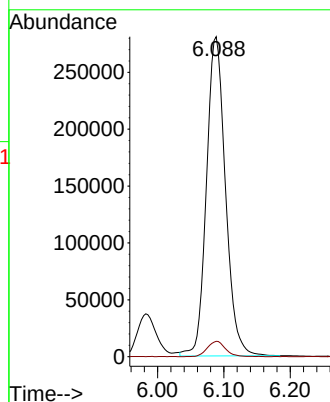
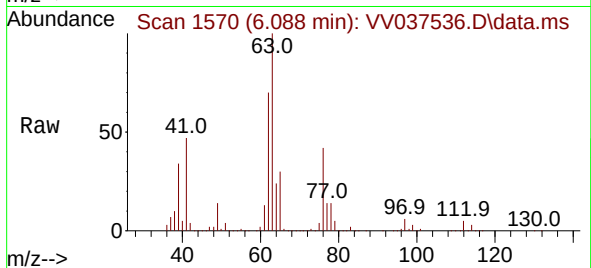




#37
1,2-Dichloropropane
Concen: 106.112 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

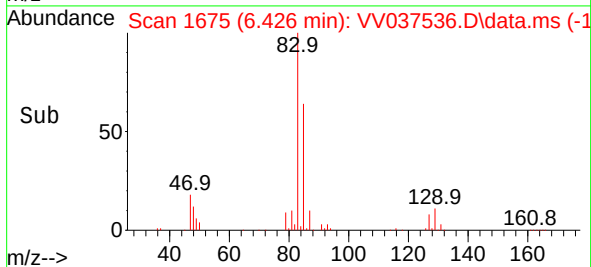
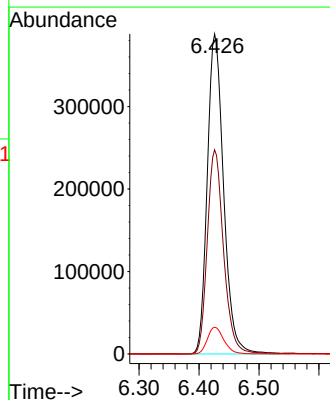
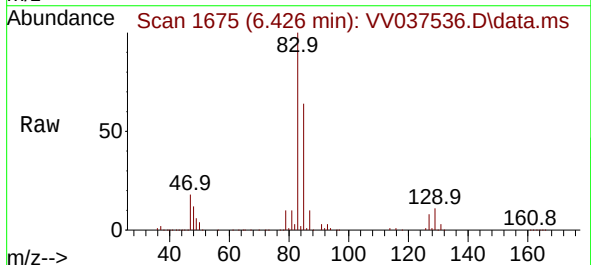
Instrument :
MSVOA_V
ClientSampleId :

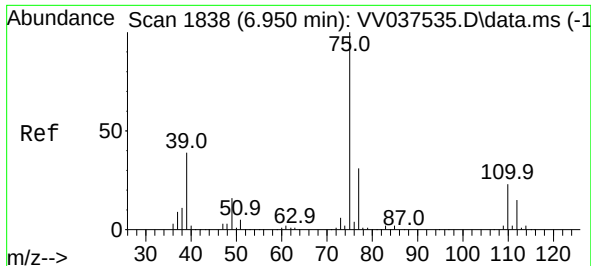
Tgt Ion: 63 Resp: 558784
Ion Ratio Lower Upper
63 100
112 4.7 3.5 5.3



#38
Bromodichloromethane
Concen: 104.413 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

Tgt Ion: 83 Resp: 734997
Ion Ratio Lower Upper
83 100
85 63.8 45.7 84.9
127 8.4 7.0 10.4

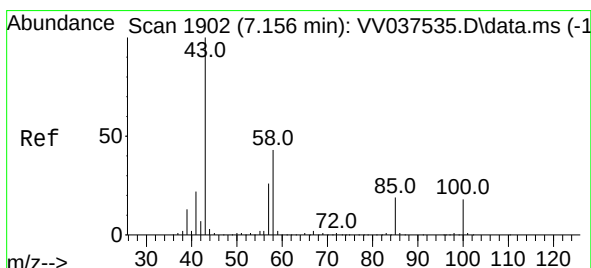
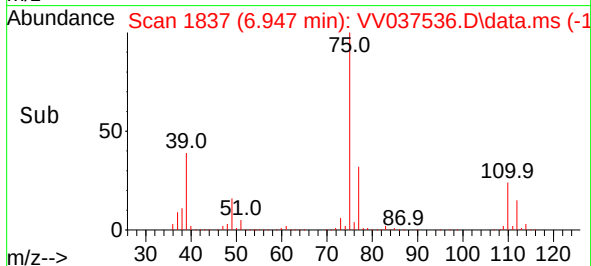
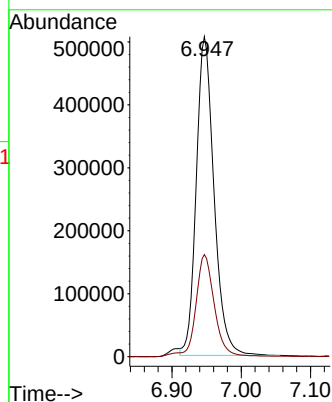
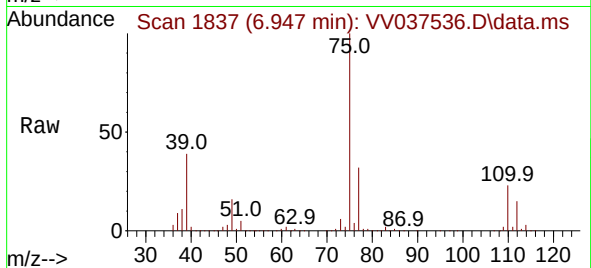




#39
 cis-1,3-Dichloropropene
 Concen: 107.497 ug/L
 RT: 6.947 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VV037536.D
 Acq: 26 Sep 2024 09:29

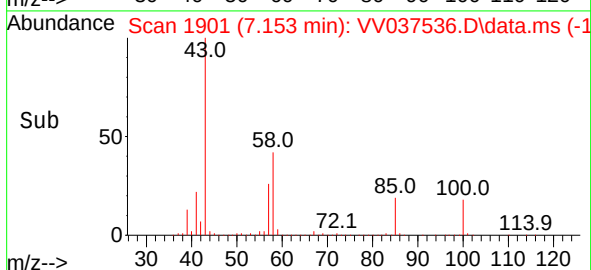
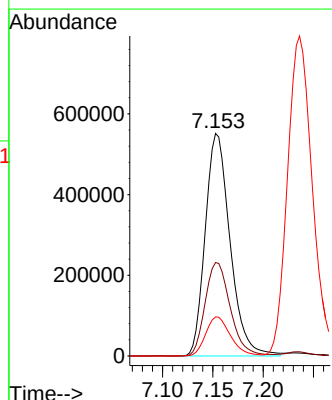
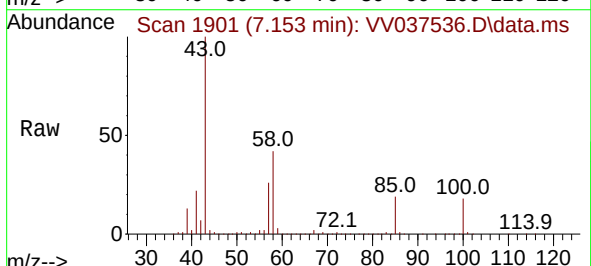
Instrument :
 MSVOA_V
 ClientSampleId :

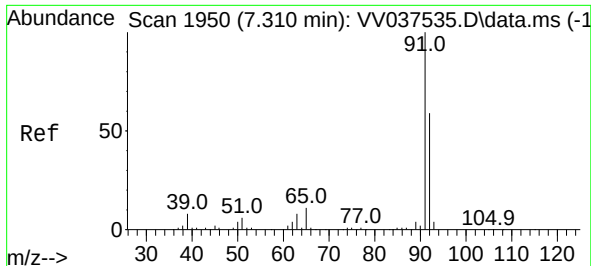
Tgt Ion: 75 Resp: 903600
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 224.879 ug/L
 RT: 7.153 min Scan# 1901
 Delta R.T. -0.003 min
 Lab File: VV037536.D
 Acq: 26 Sep 2024 09:29

Tgt Ion: 43 Resp: 947163
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.0 49.4
 100 17.5 13.7 20.5





#42

Toluene

Concen: 106.660 ug/L

RT: 7.307 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

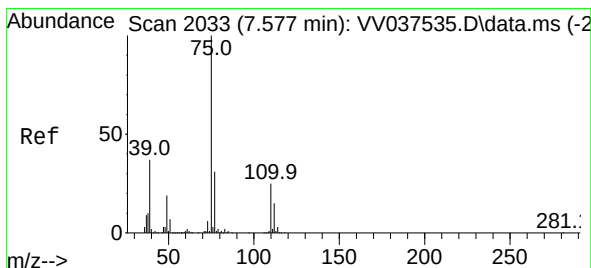
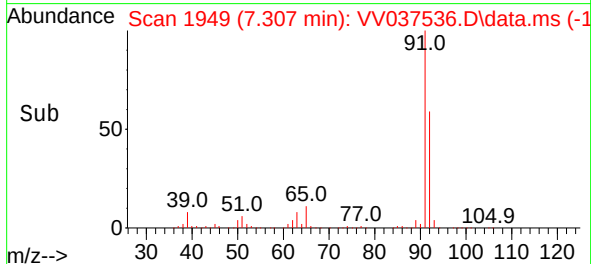
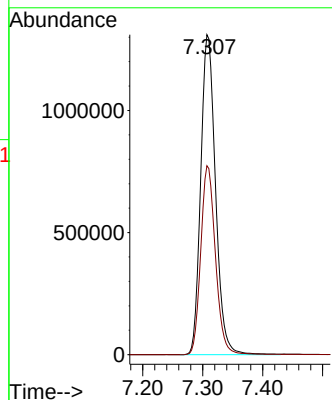
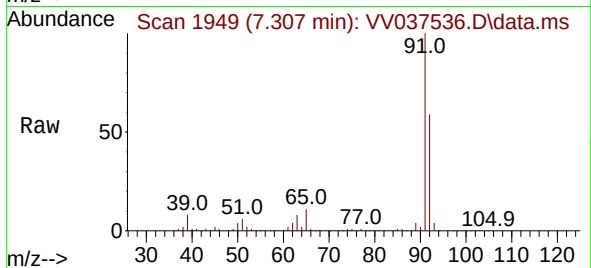
ClientSampleId :

Tgt Ion: 91 Resp: 2254843

Ion Ratio Lower Upper

91 100

92 59.1 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 110.706 ug/L

RT: 7.574 min Scan# 2032

Delta R.T. -0.003 min

Lab File: VV037536.D

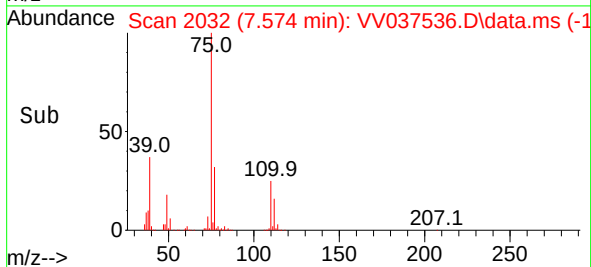
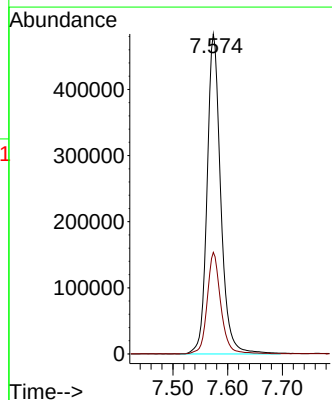
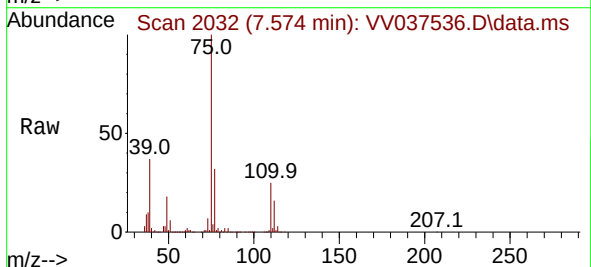
Acq: 26 Sep 2024 09:29

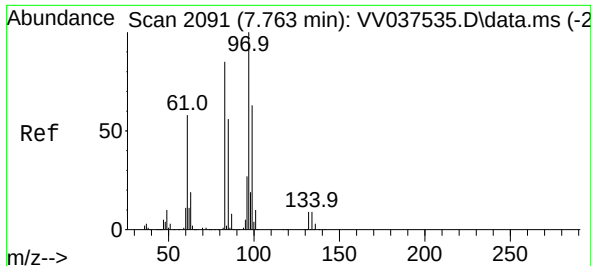
Tgt Ion: 75 Resp: 837801

Ion Ratio Lower Upper

75 100

77 31.7 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 103.751 ug/L

RT: 7.763 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 524594

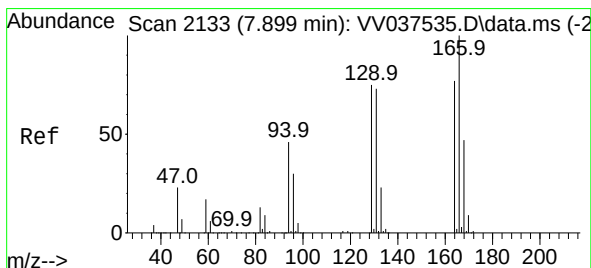
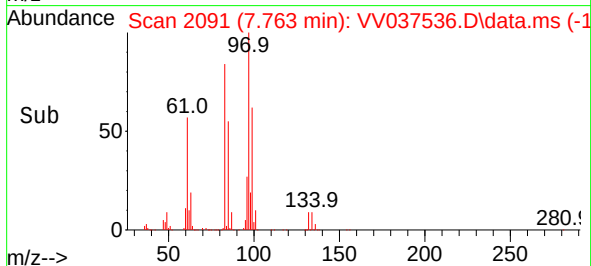
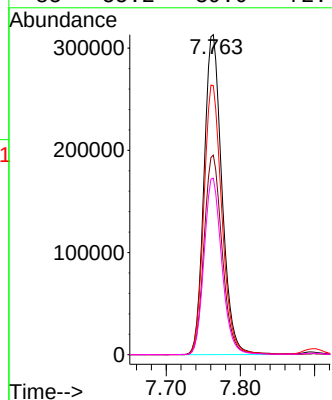
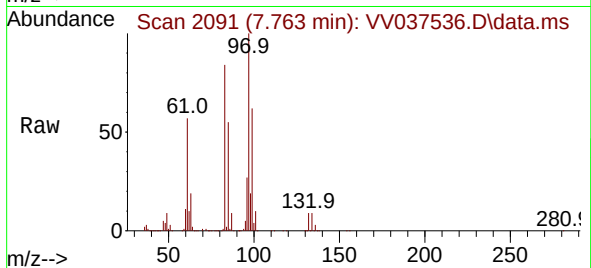
Ion Ratio Lower Upper

97 100

99 62.4 44.1 81.9

83 84.1 59.3 110.1

85 55.2 39.0 72.4



#46

Tetrachloroethene

Concen: 101.559 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Tgt Ion:164 Resp: 421687

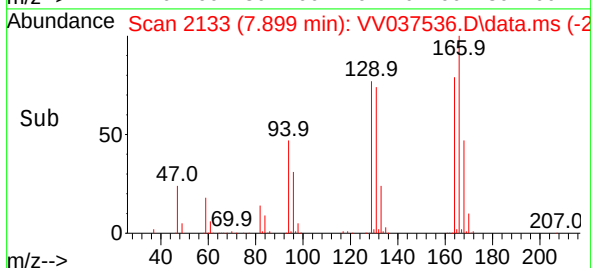
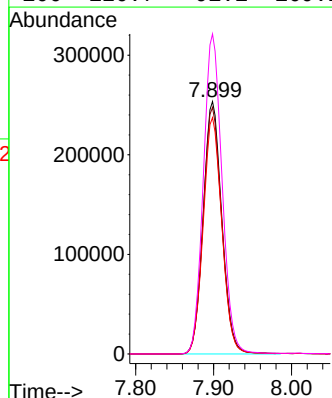
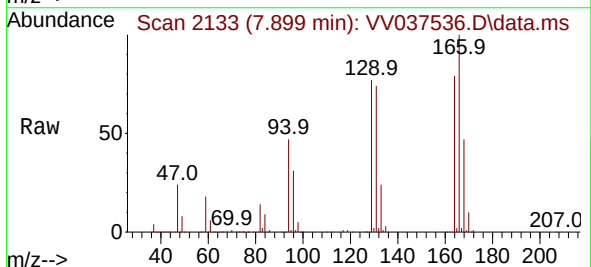
Ion Ratio Lower Upper

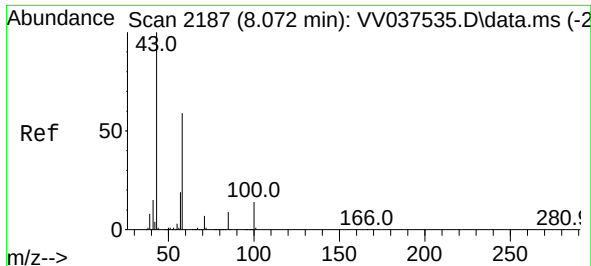
164 100

129 97.6 68.2 126.6

131 93.6 66.1 122.8

166 126.7 91.1 169.1





#48

2-Hexanone

Concen: 228.724 ug/L

RT: 8.069 min Scan# 2186

Delta R.T. -0.003 min

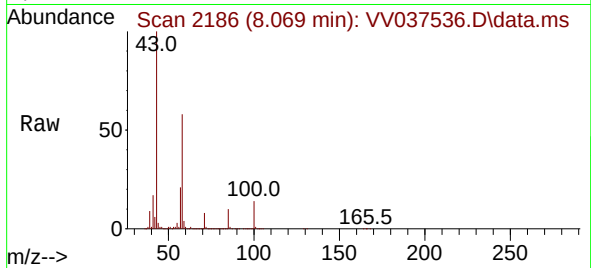
Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 714965

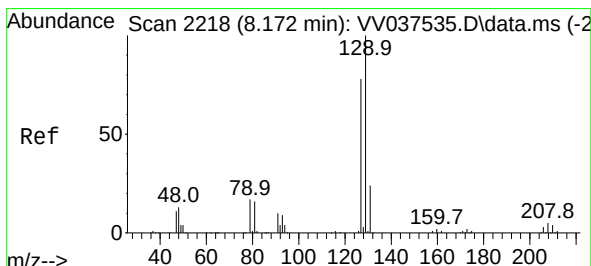
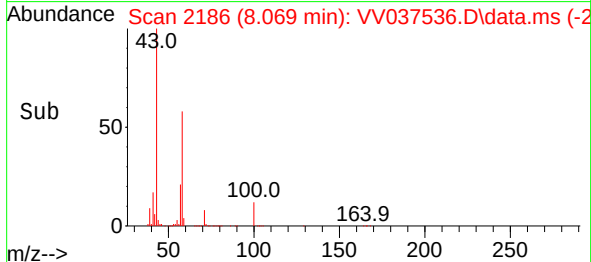
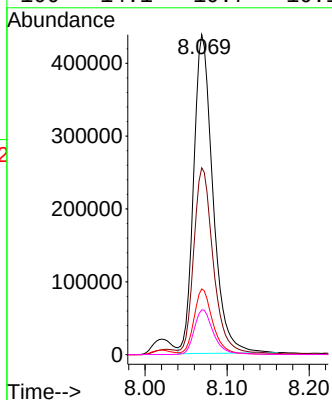
Ion Ratio Lower Upper

43 100

58 57.8 46.5 69.7

57 20.1 15.1 22.7

100 14.1 10.7 16.1



#49

Dibromochloromethane

Concen: 104.965 ug/L

RT: 8.169 min Scan# 2217

Delta R.T. -0.003 min

Lab File: VV037536.D

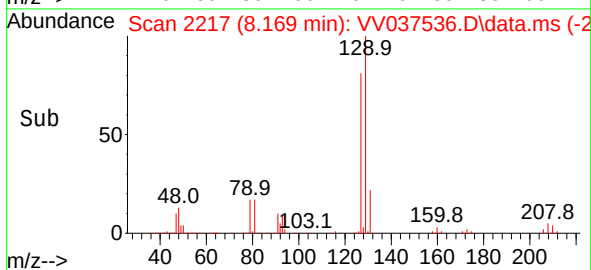
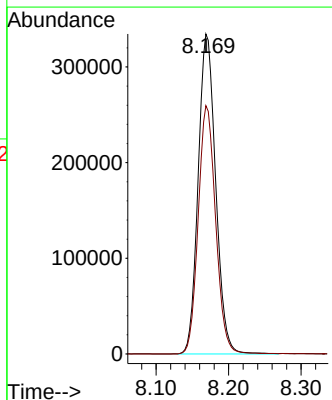
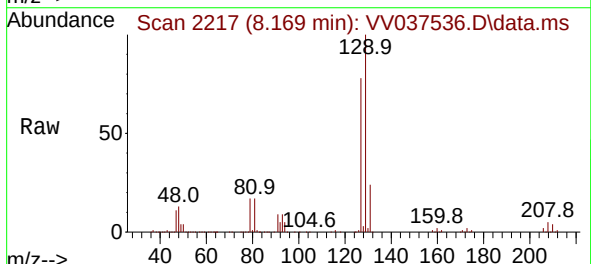
Acq: 26 Sep 2024 09:29

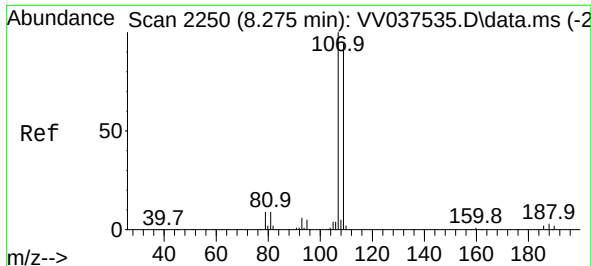
Tgt Ion: 129 Resp: 561715

Ion Ratio Lower Upper

129 100

127 77.6 54.9 101.9





#50

1,2-Dibromoethane

Concen: 104.048 ug/L

RT: 8.275 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

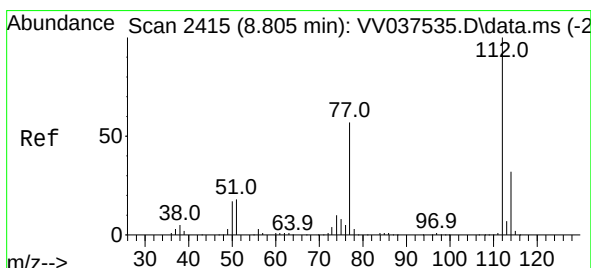
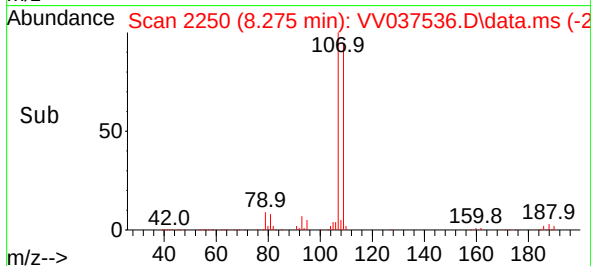
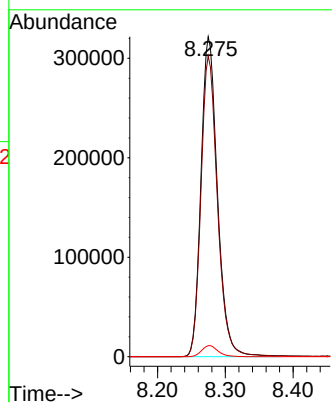
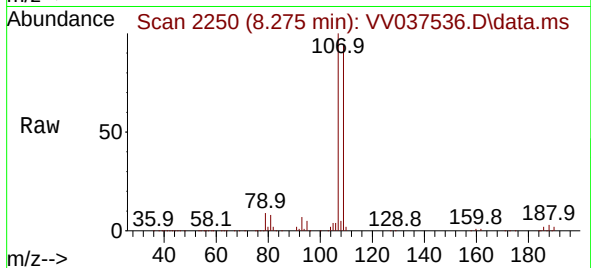
Tgt Ion:107 Resp: 543829

Ion Ratio Lower Upper

107 100

109 94.0 65.7 121.9

188 3.5 2.8 4.2



#51

Chlorobenzene

Concen: 102.432 ug/L

RT: 8.805 min Scan# 2415

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

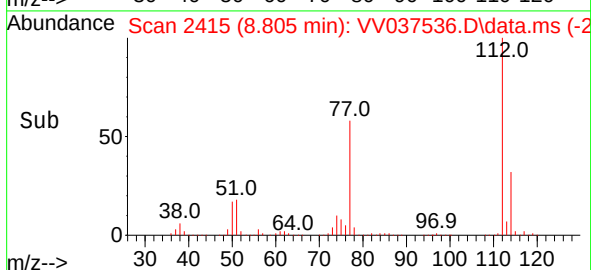
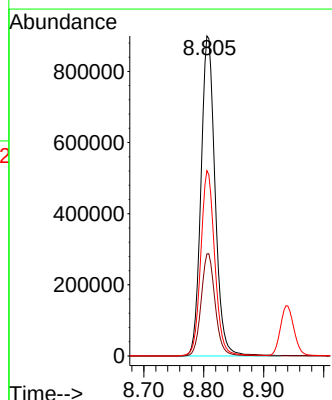
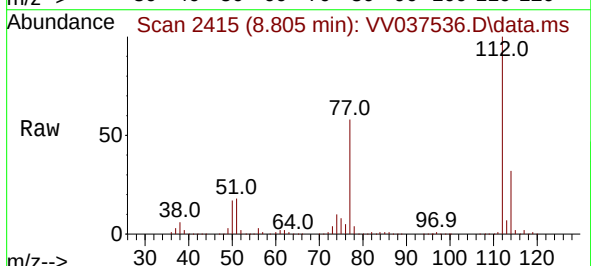
Tgt Ion:112 Resp: 1475333

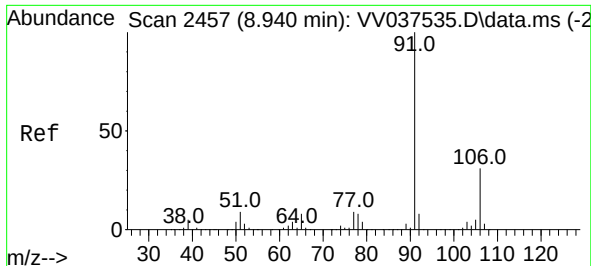
Ion Ratio Lower Upper

112 100

114 31.9 22.5 41.7

77 57.9 45.8 68.8





#52

Ethylbenzene

Concen: 107.568 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

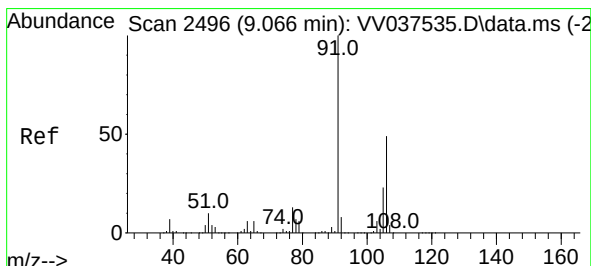
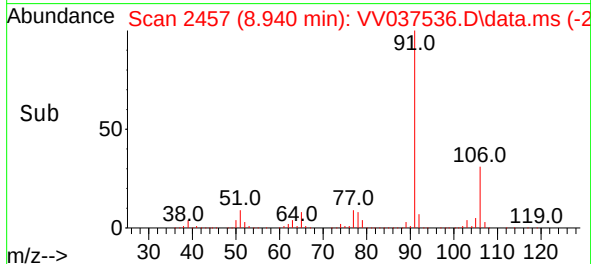
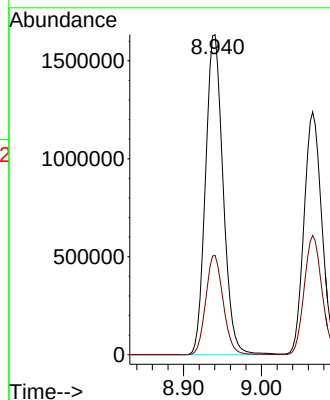
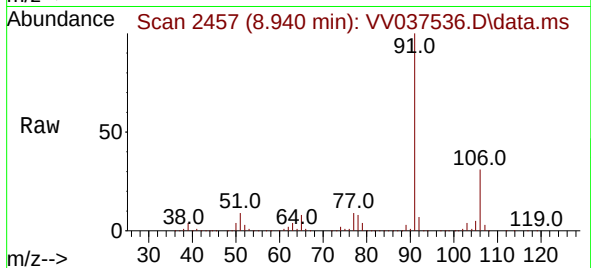
ClientSampleId :

Tgt Ion: 91 Resp: 2559775

Ion Ratio Lower Upper

91 100

106 31.0 21.9 40.7



#53

m,p-Xylene

Concen: 109.185 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.000 min

Lab File: VV037536.D

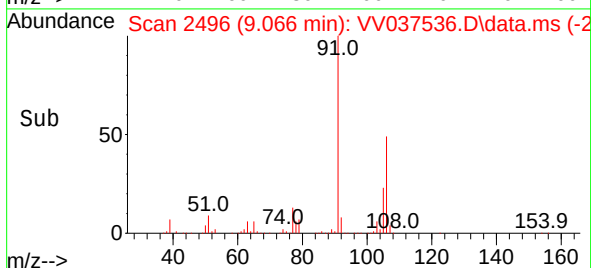
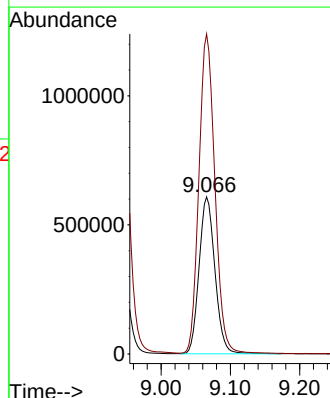
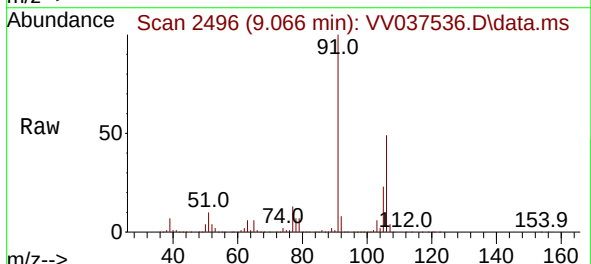
Acq: 26 Sep 2024 09:29

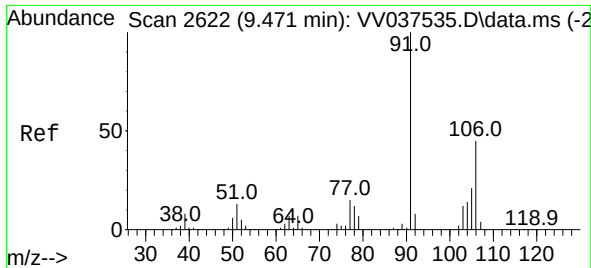
Tgt Ion: 106 Resp: 966989

Ion Ratio Lower Upper

106 100

91 203.6 142.0 263.6

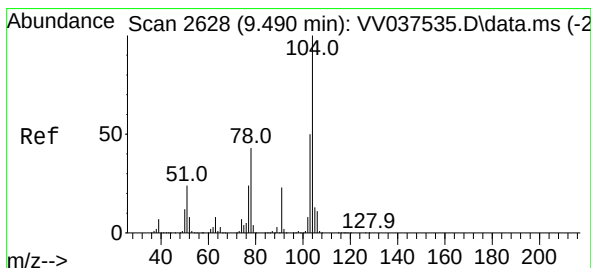
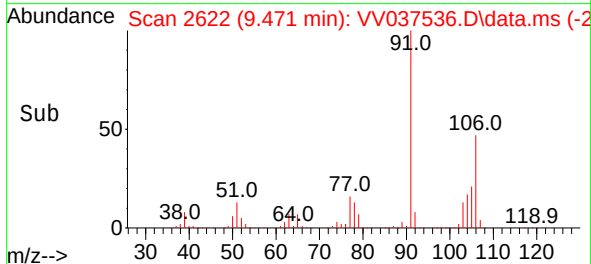
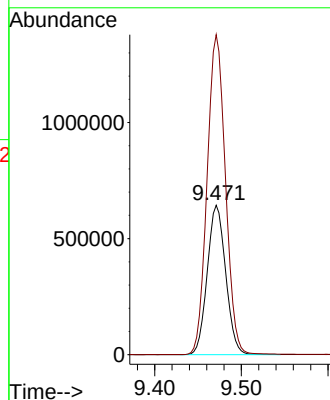
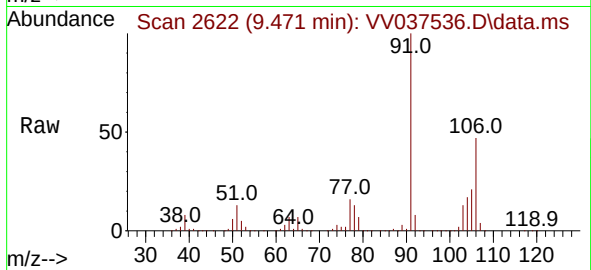




#54
o-Xylene
Concen: 110.034 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.000 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

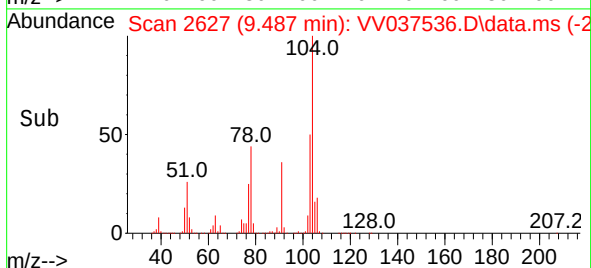
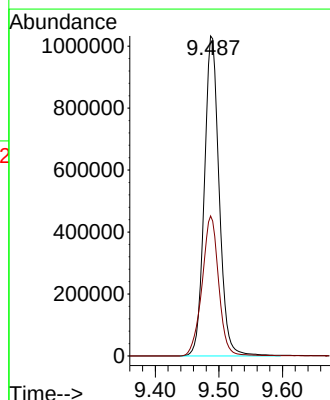
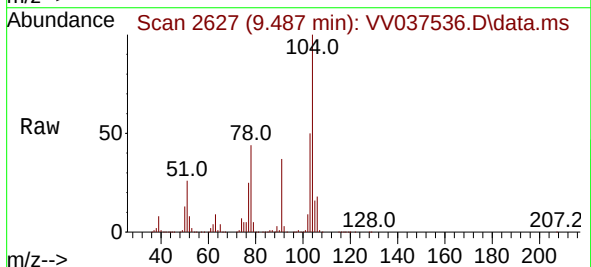
Instrument :
MSVOA_V
ClientSampleId :

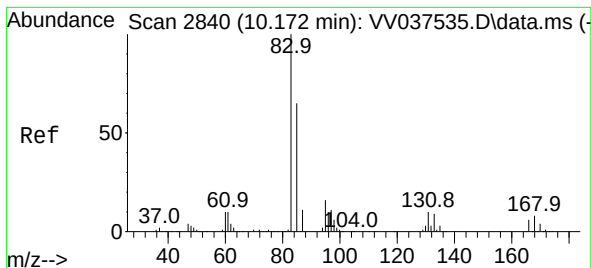
Tgt Ion:106 Resp: 951405
Ion Ratio Lower Upper
106 100
91 214.0 153.9 285.9



#55
Styrene
Concen: 111.220 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.003 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

Tgt Ion:104 Resp: 1674107
Ion Ratio Lower Upper
104 100
78 43.8 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 102.220 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

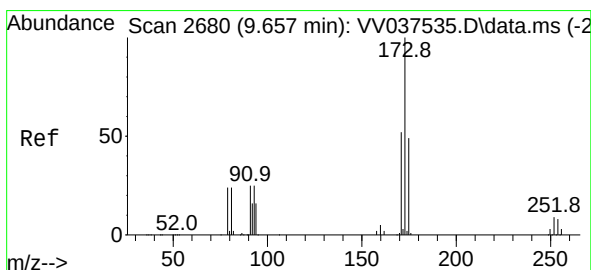
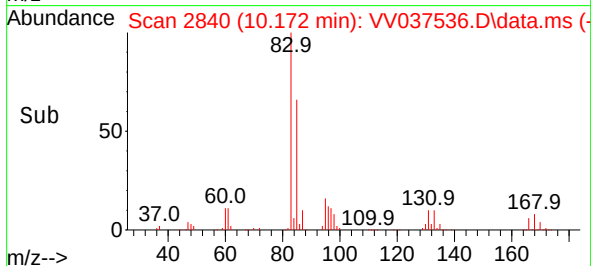
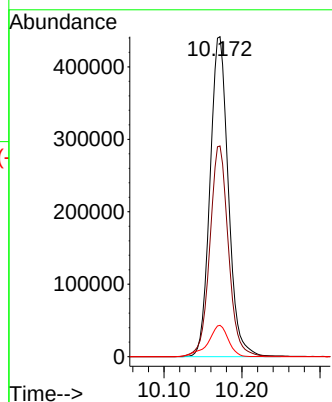
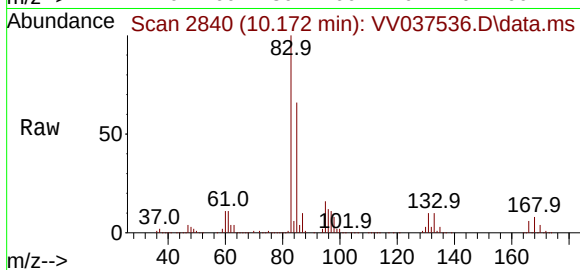
Tgt Ion: 83 Resp: 720607

Ion Ratio Lower Upper

83 100

85 65.8 45.9 85.3

131 9.8 7.9 11.9



#59

Bromoform

Concen: 106.305 ug/L

RT: 9.657 min Scan# 2680

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

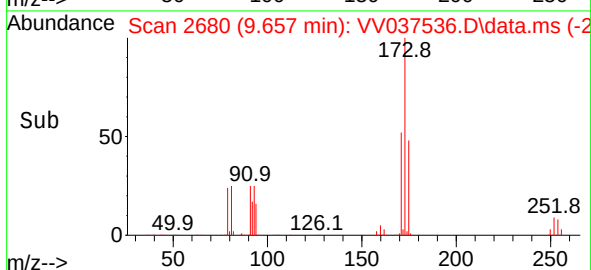
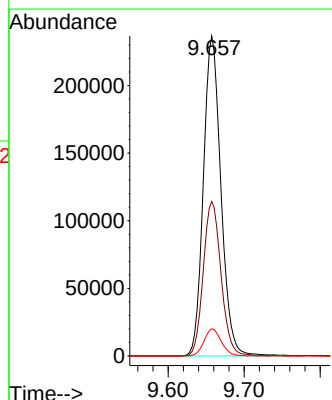
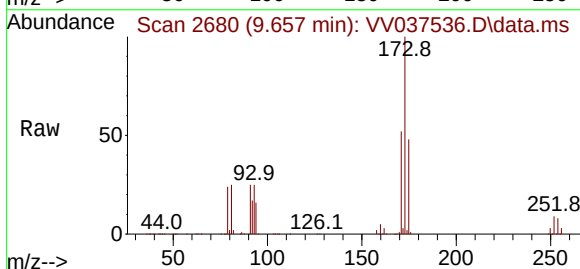
Tgt Ion:173 Resp: 379743

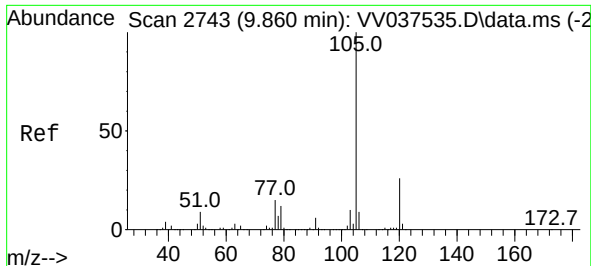
Ion Ratio Lower Upper

173 100

175 48.7 40.0 60.0

254 8.3 6.5 9.7

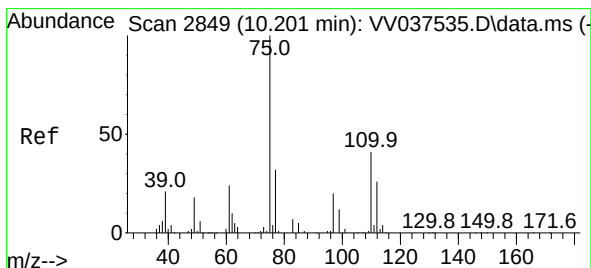
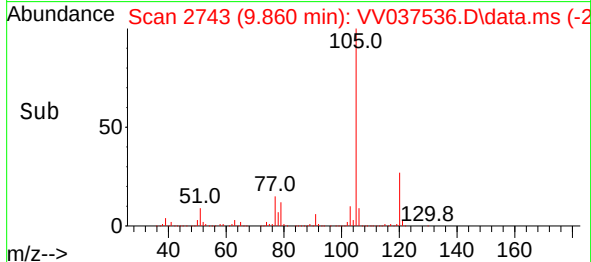
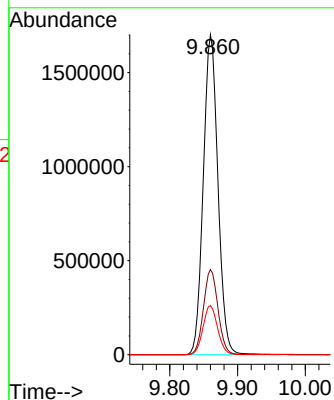
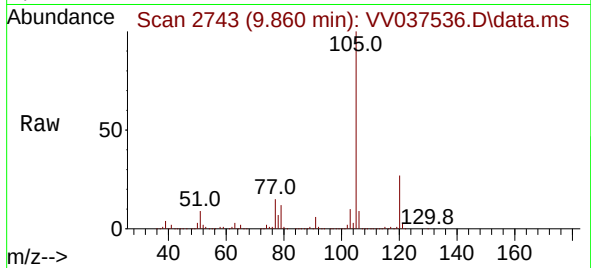




#60
Isopropylbenzene
Concen: 107.407 ug/L
RT: 9.860 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

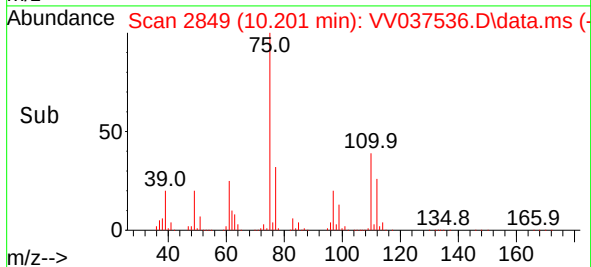
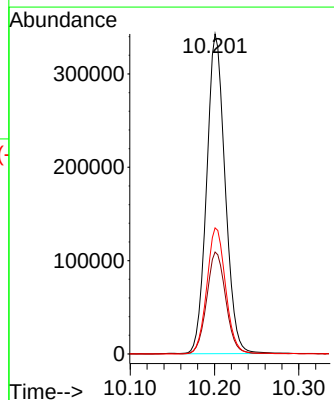
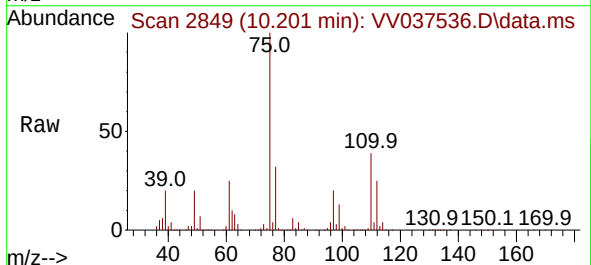
Instrument :
MSVOA_V
ClientSampleId :

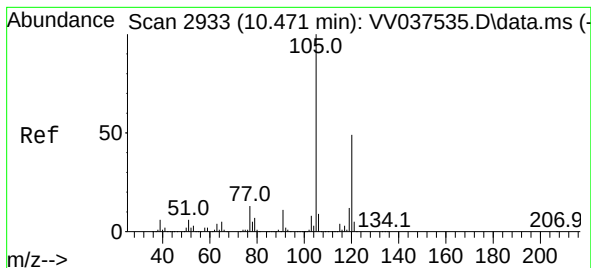
Tgt Ion:105 Resp: 2552183
Ion Ratio Lower Upper
105 100
120 26.4 20.7 31.1
77 15.3 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 100.625 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.000 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

Tgt Ion: 75 Resp: 523322
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.0
110 40.0 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 111.951 ug/L

RT: 10.468 min Scan# 2932

Delta R.T. -0.003 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

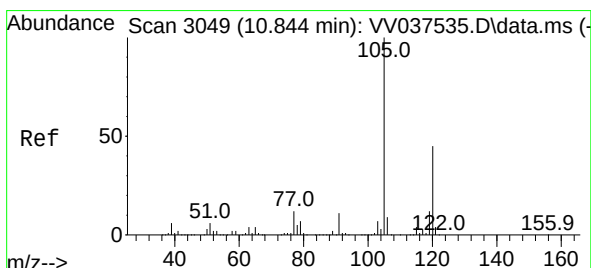
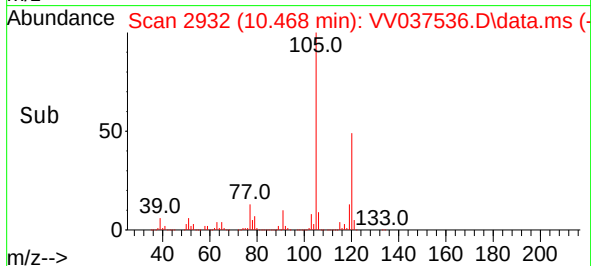
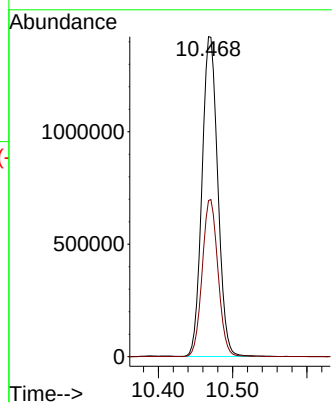
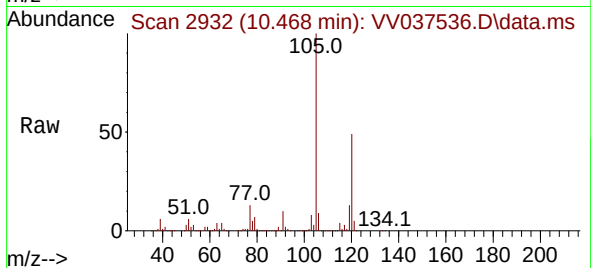
ClientSampleId :

Tgt Ion:105 Resp: 2103149

Ion Ratio Lower Upper

105 100

120 49.0 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 113.373 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV037536.D

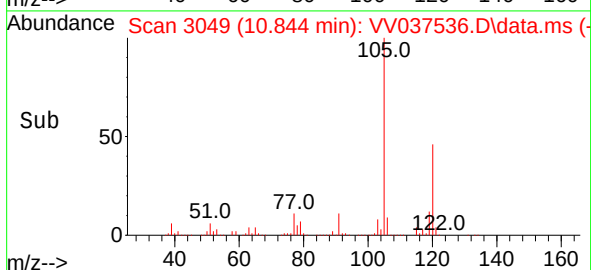
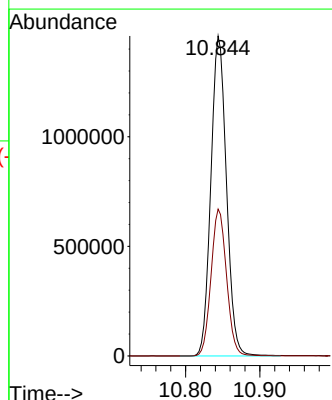
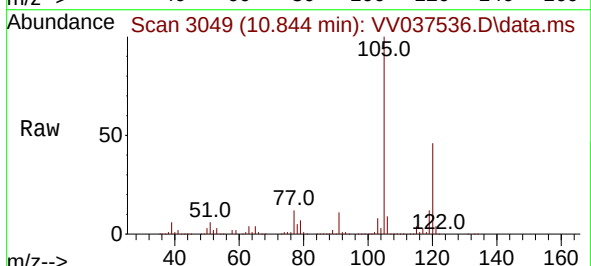
Acq: 26 Sep 2024 09:29

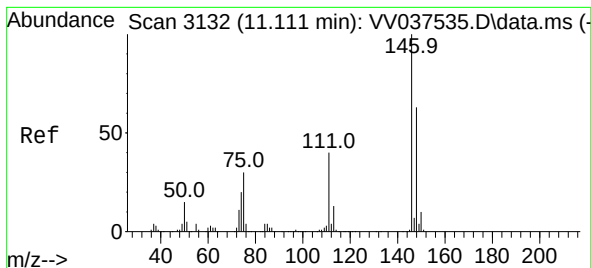
Tgt Ion:105 Resp: 2119156

Ion Ratio Lower Upper

105 100

120 45.7 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 104.261 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

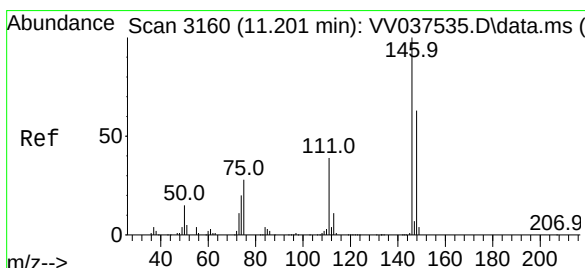
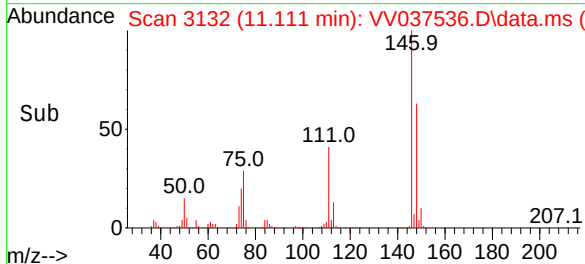
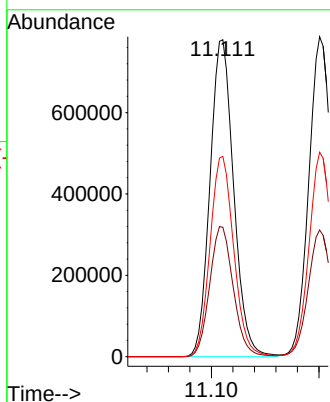
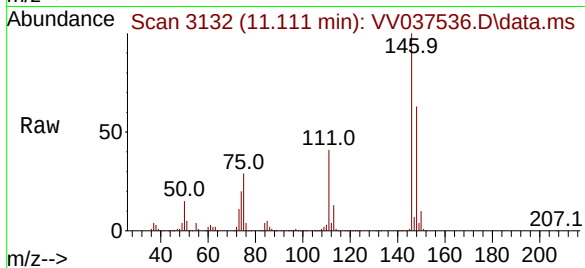
Tgt Ion:146 Resp: 1192474

Ion Ratio Lower Upper

146 100

111 40.8 28.3 52.5

148 63.2 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 102.237 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

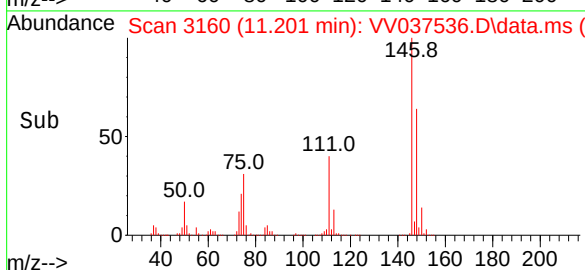
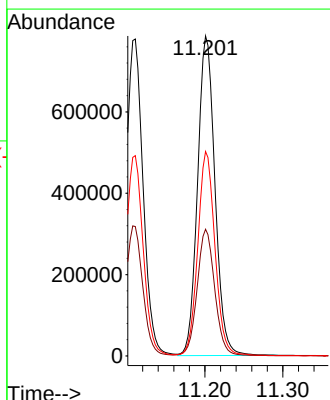
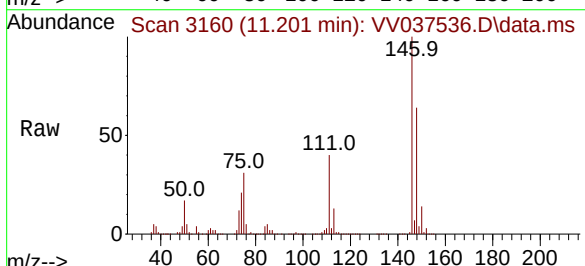
Tgt Ion:146 Resp: 1217599

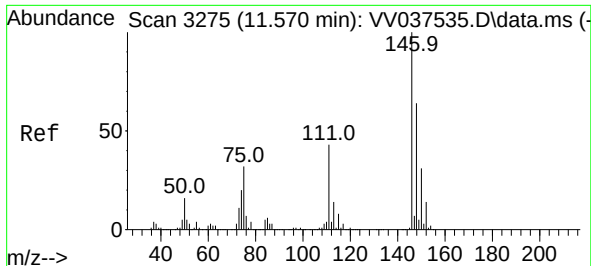
Ion Ratio Lower Upper

146 100

111 39.6 27.6 51.4

148 63.9 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 103.396 ug/L

RT: 11.570 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

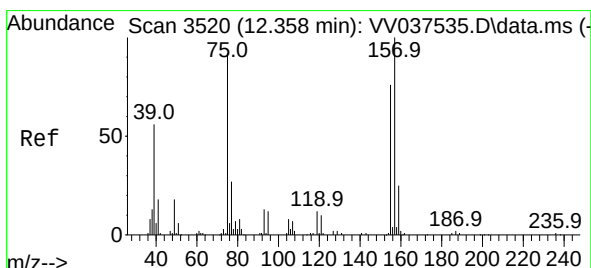
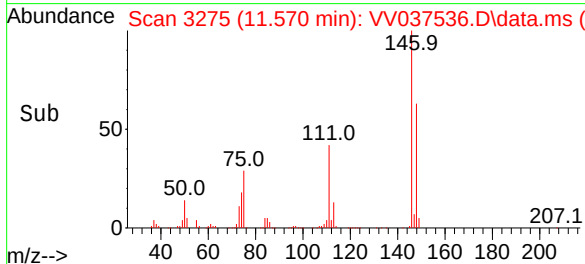
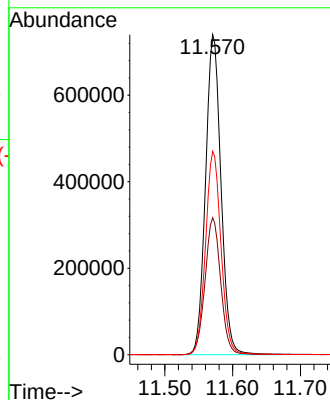
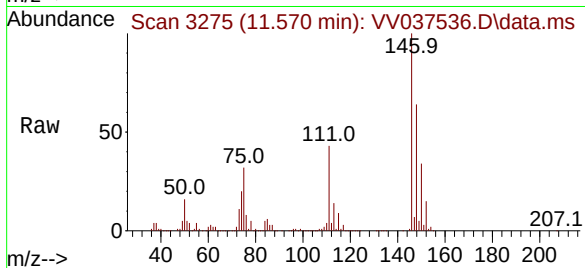
Tgt Ion:146 Resp: 1169058

Ion Ratio Lower Upper

146 100

111 42.8 34.2 51.2

148 63.5 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 105.063 ug/L

RT: 12.355 min Scan# 3519

Delta R.T. -0.003 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

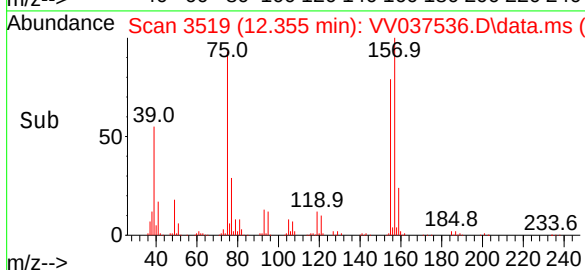
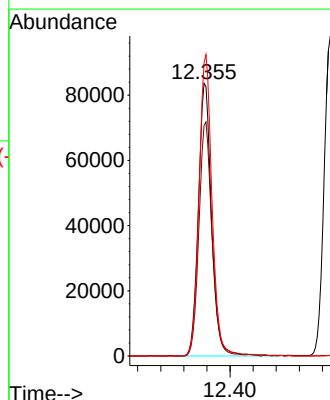
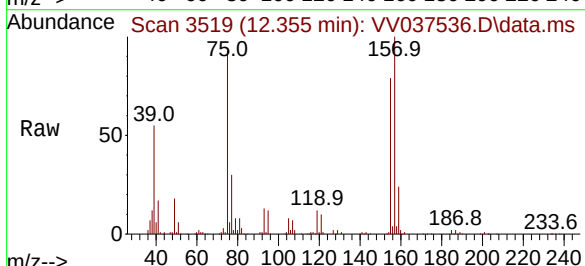
Tgt Ion: 75 Resp: 132637

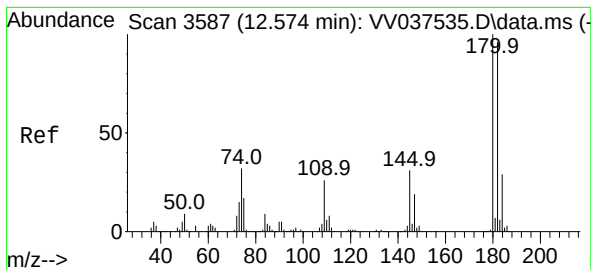
Ion Ratio Lower Upper

75 100

155 84.5 66.2 99.4

157 107.5 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 105.061 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 826331

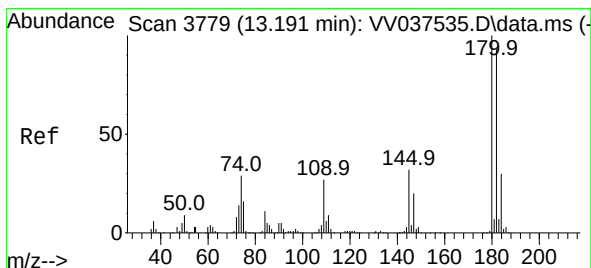
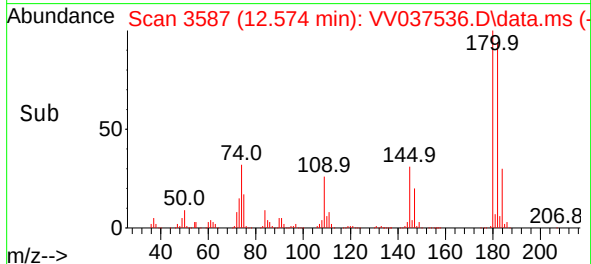
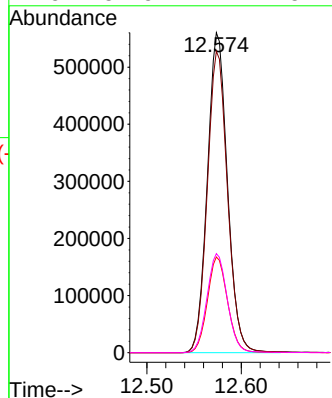
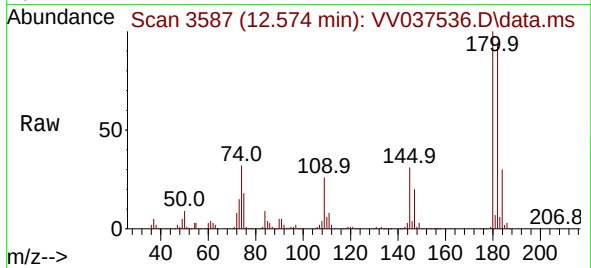
Ion Ratio Lower Upper

180 100

182 95.1 75.6 113.4

184 30.1 23.8 35.6

145 31.5 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 108.112 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV037536.D

Acq: 26 Sep 2024 09:29

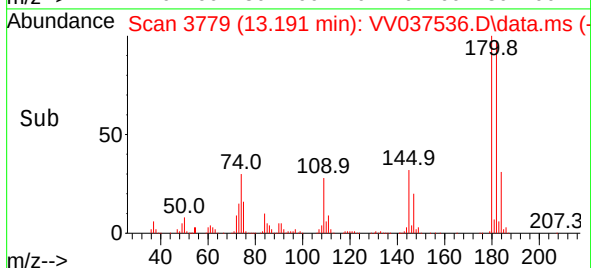
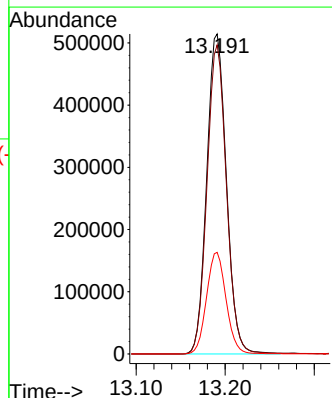
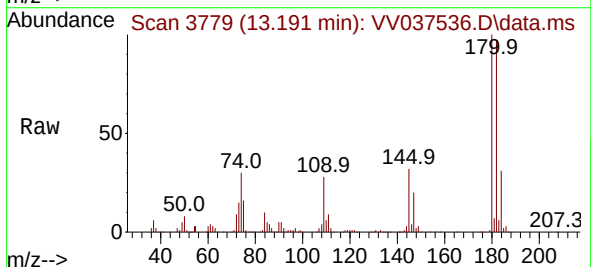
Tgt Ion:180 Resp: 788933

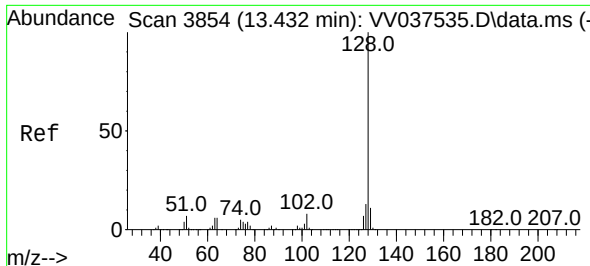
Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

145 31.5 25.4 38.2

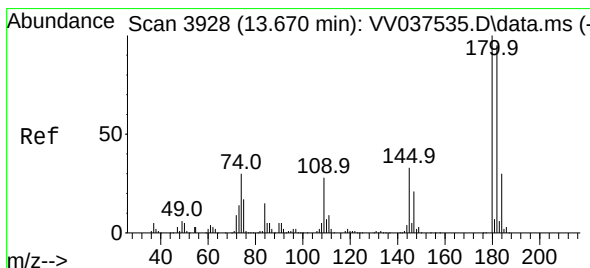
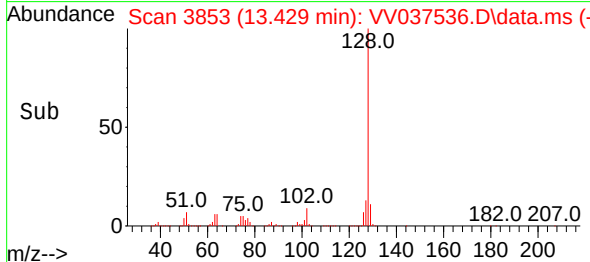
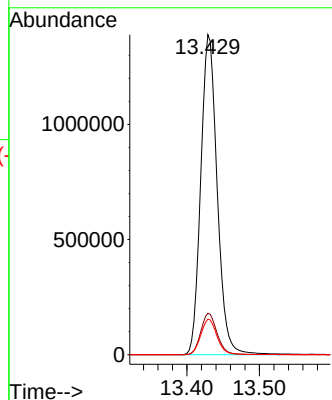
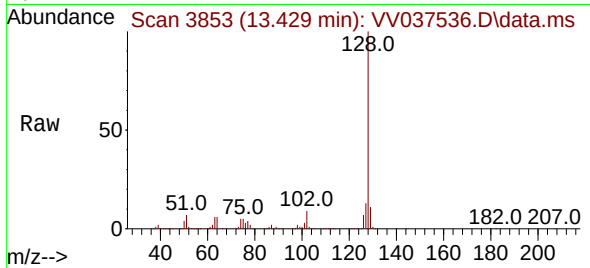




#71
Naphthalene
Concen: 114.619 ug/L
RT: 13.429 min Scan# 3853
Delta R.T. -0.003 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 2185282
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 107.022 ug/L
RT: 13.670 min Scan# 3928
Delta R.T. 0.000 min
Lab File: VV037536.D
Acq: 26 Sep 2024 09:29

Tgt Ion:180 Resp: 771234
Ion Ratio Lower Upper
180 100
182 95.2 75.8 113.8
145 34.2 26.2 39.4

