

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080924\
 Data File : VV036865.D
 Acq On : 09 Aug 2024 09:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 10 01:07:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 09 02:41:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	462446	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	437406	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	216637	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	146704	39.718	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.440%
7) Chloroethane-d5	1.532	69	129171	44.346	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.700%
11) 1,1-Dichloroethene-d2	2.056	65	63878	40.430	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.860%
21) 2-Butanone-d5	3.789	46	180444	92.204	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.200%
24) Chloroform-d	4.243	84	309451	46.686	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.380%
26) 1,2-Dichloroethane-d4	4.934	65	195948	45.979	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.960%
32) Benzene-d6	4.950	84	585634	44.328	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.660%
36) 1,2-Dichloropropane-d6	5.982	67	197828	46.415	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.820%
41) Toluene-d8	7.236	98	509794	42.066	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.140%
43) trans-1,3-Dichloroprop...	7.548	79	91474	41.239	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.480%
47) 2-Hexanone-d5	8.024	63	110384	90.073	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.070%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	232555	47.520	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.040%
66) 1,2-Dichlorobenzene-d4	11.554	152	202969	45.978	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	193004	52.342	ug/L	99
3) Chloromethane	1.217	50	198416	51.418	ug/L	100
5) Vinyl chloride	1.281	62	204027	51.485	ug/L	97
6) Bromomethane	1.487	94	120867	48.443	ug/L	99
8) Chloroethane	1.548	64	124800	50.841	ug/L	99
9) Trichlorofluoromethane	1.712	101	258456	49.792	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	154401	50.480	ug/L	99
12) 1,1-Dichloroethene	2.069	96	145560	49.829	ug/L	91
13) Acetone	2.111	43	130124	79.471	ug/L	100
14) Carbon disulfide	2.236	76	419869	45.756	ug/L	100
15) Methyl Acetate	2.371	43	149716	44.386	ug/L	97
16) Methylene chloride	2.442	84	166025	50.554	ug/L	98
17) trans-1,2-Dichloroethene	2.686	96	153379	50.689	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	512934	48.131	ug/L	99
19) 1,1-Dichloroethane	3.104	63	311238	50.911	ug/L	98
20) cis-1,2-Dichloroethene	3.805	96	181358	51.065	ug/L	95
22) 2-Butanone	3.873	43	179224	81.707	ug/L	99
23) Bromochloromethane	4.140	128	87126	50.502	ug/L	98
25) Chloroform	4.268	83	315338	50.221	ug/L	99

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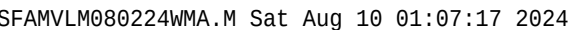
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 ClientSampleId :

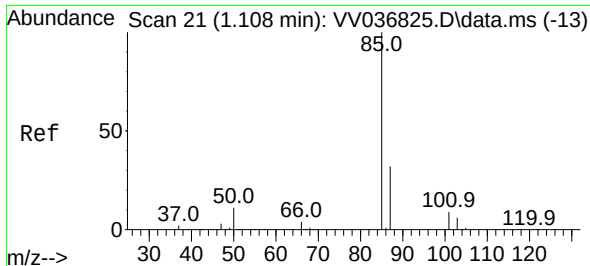
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 09 02:41:02 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	240844	48.627	ug/L	99
29) Cyclohexane	4.571	56	272465	48.889	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	266243	48.313	ug/L	100
31) Carbon tetrachloride	4.725	117	222369	48.048	ug/L	98
33) Benzene	5.001	78	673734	51.498	ug/L	100
34) Trichloroethene	5.825	95	186140	49.093	ug/L	98
35) Methylcyclohexane	6.040	83	286374	49.221	ug/L	98
37) 1,2-Dichloropropane	6.088	63	178878	51.613	ug/L	100
38) Bromodichloromethane	6.426	83	230733	48.346	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	280316	47.227	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	383411	89.306	ug/L	99
42) Toluene	7.310	91	699807	50.220	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	265054	47.922	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	163764	48.793	ug/L	99
46) Tetrachloroethene	7.898	164	124705	50.142	ug/L	99
48) 2-Hexanone	8.072	43	273245	86.513	ug/L	100
49) Dibromochloromethane	8.172	129	167457	48.552	ug/L	99
50) 1,2-Dibromoethane	8.278	107	169967	48.809	ug/L	98
51) Chlorobenzene	8.808	112	450779	50.416	ug/L	98
52) Ethylbenzene	8.940	91	793017	49.841	ug/L	99
53) m,p-Xylene	9.066	106	293031	49.270	ug/L	99
54) o-Xylene	9.474	106	290699	49.974	ug/L	98
55) Styrene	9.490	104	501840	50.342	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	219040	48.367	ug/L	99
59) Bromoform	9.660	173	108381	45.222	ug/L	99
60) Isopropylbenzene	9.860	105	790933	50.149	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	184707	47.363	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	650155	49.515	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	649276	49.396	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	345810	50.988	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	351260	50.931	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	335650	50.673	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.358	75	45702	40.553	ug/L	96
69) 1,3,5-Trichlorobenzene	12.577	180	241178	50.109	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	227314	49.243	ug/L	99
71) Naphthalene	13.432	128	648038	43.778	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	219790	48.641	ug/L	100

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

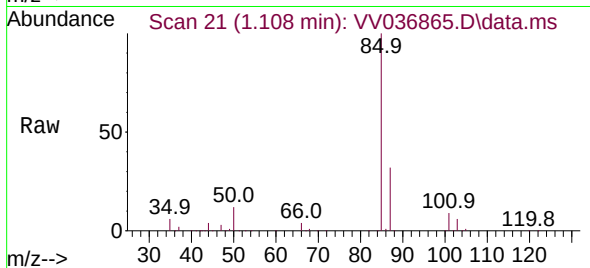
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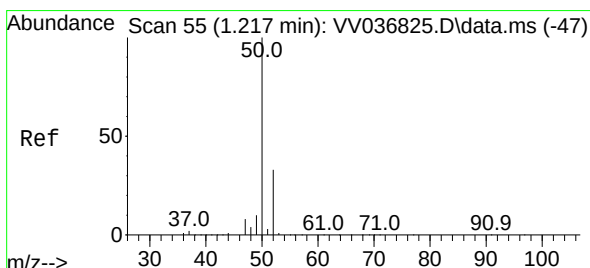
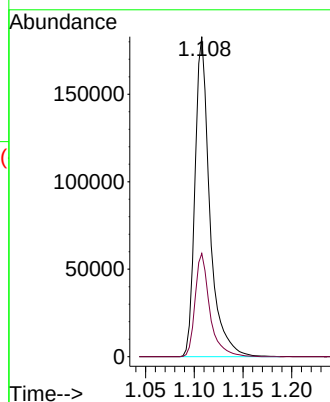
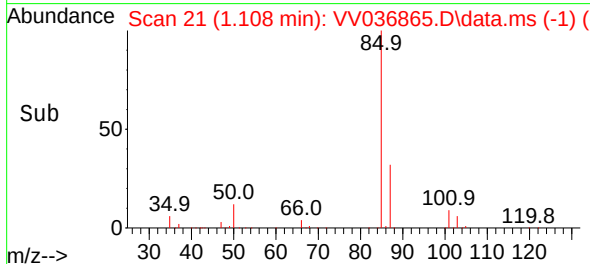


#2
 Dichlorodifluoromethane
 Concen: 52.342 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV036865.D
 Acq: 09 Aug 2024 09:57

Instrument :
 MSVOA_V
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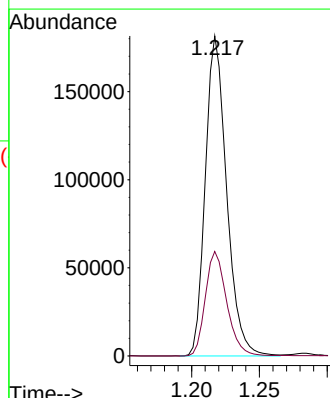
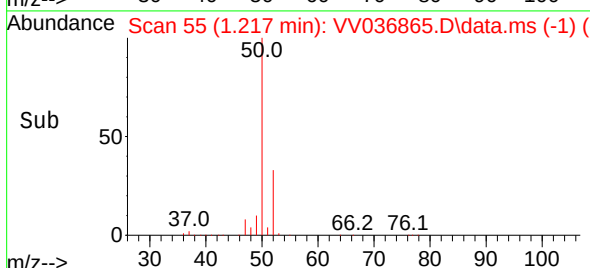
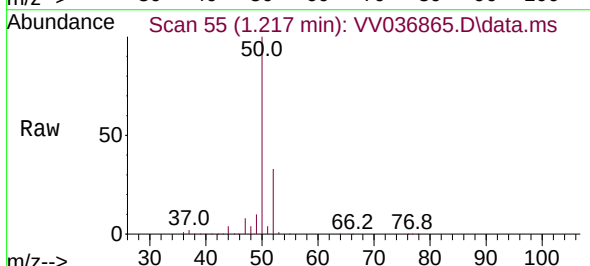


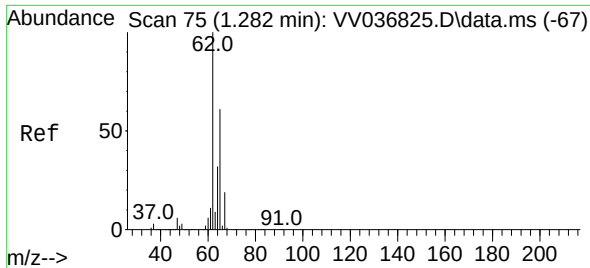
Tgt Ion: 85 Resp: 193004
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.9 38.9



#3
 Chloromethane
 Concen: 51.418 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV036865.D
 Acq: 09 Aug 2024 09:57

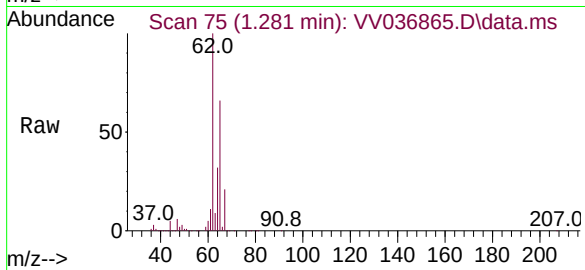
Tgt Ion: 50 Resp: 198416
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.0 42.8



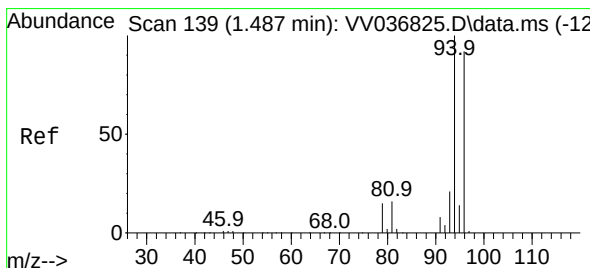
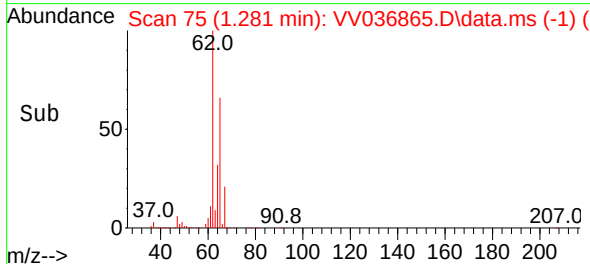
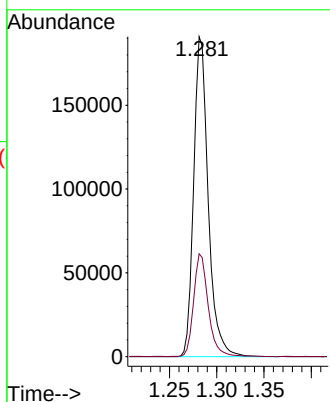


#5
 Vinyl chloride
 Concen: 51.485 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV036865.D
 Acq: 09 Aug 2024 09:57

Instrument :
 MSVOA_V
 ClientSampleId :

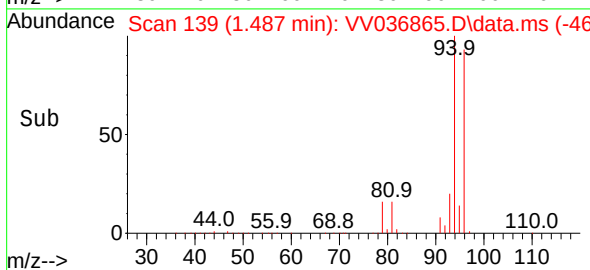
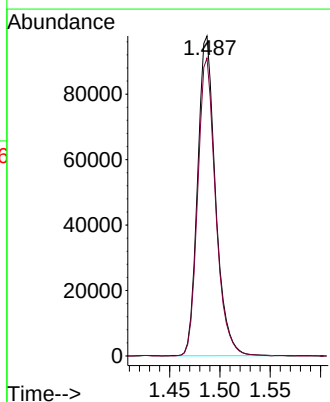
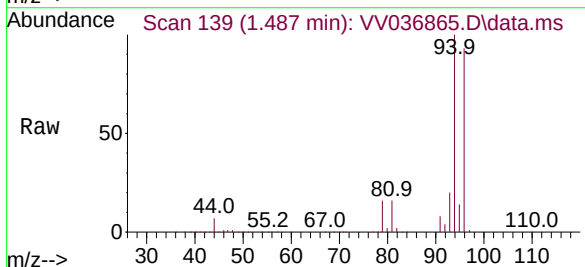


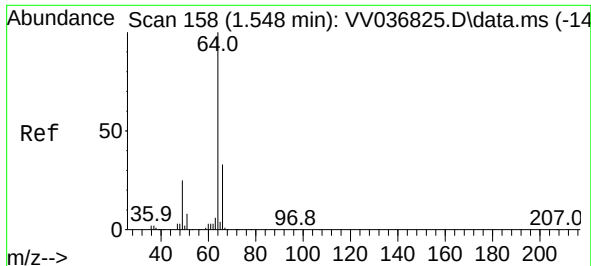
Tgt Ion: 62 Resp: 204027
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.6 43.8



#6
 Bromomethane
 Concen: 48.443 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV036865.D
 Acq: 09 Aug 2024 09:57

Tgt Ion: 94 Resp: 120867
 Ion Ratio Lower Upper
 94 100
 96 93.1 65.5 121.7

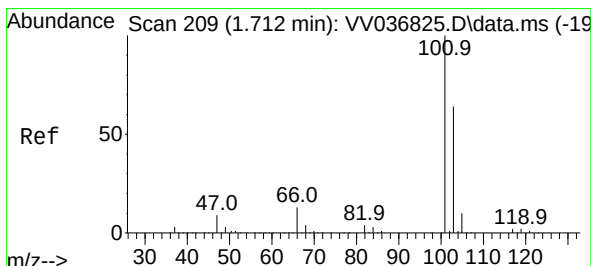
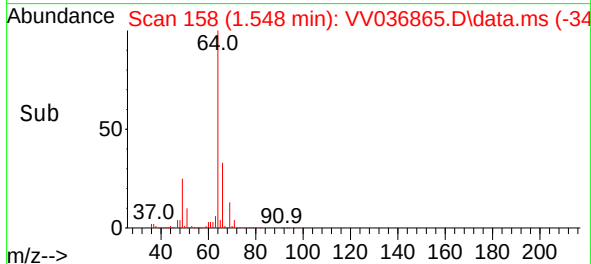
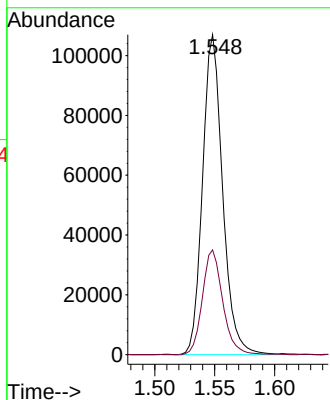
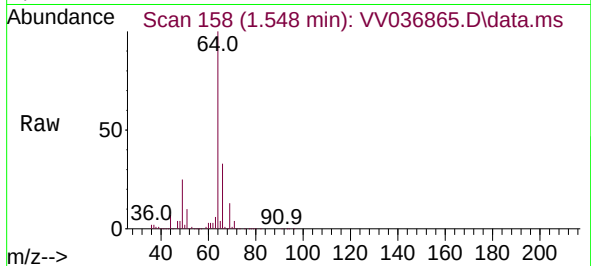




#8
Chloroethane
Concen: 50.841 ug/L
RT: 1.548 min Scan# 158
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

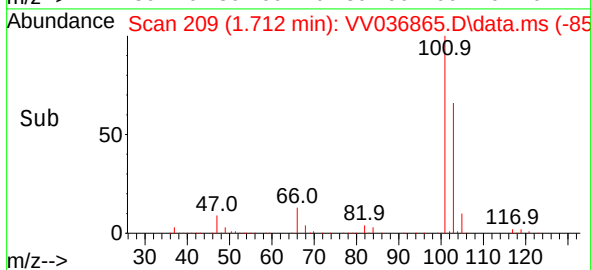
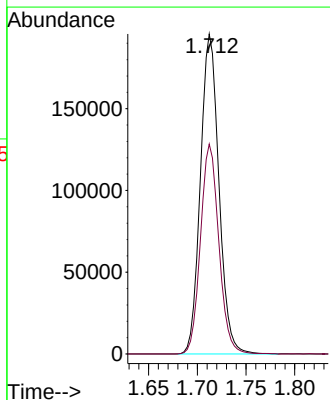
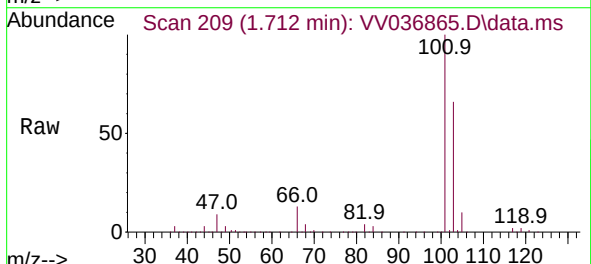
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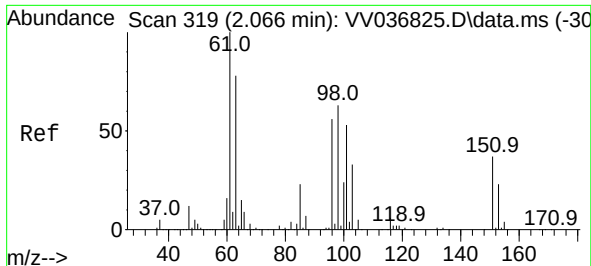
Tgt Ion: 64 Resp: 124800
Ion Ratio Lower Upper
64 100
66 32.8 23.2 43.0



#9
Trichlorofluoromethane
Concen: 49.792 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

Tgt Ion:101 Resp: 258456
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.0

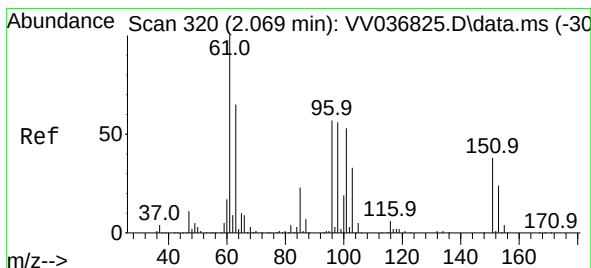
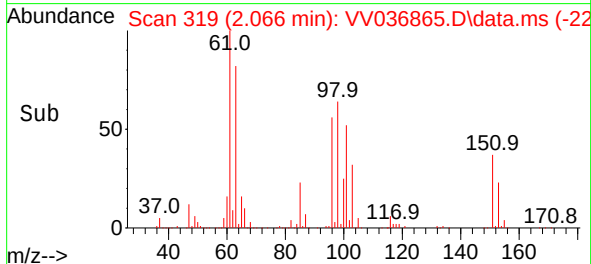
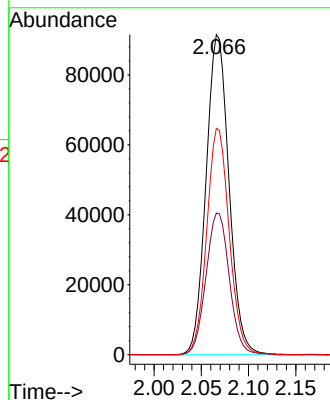
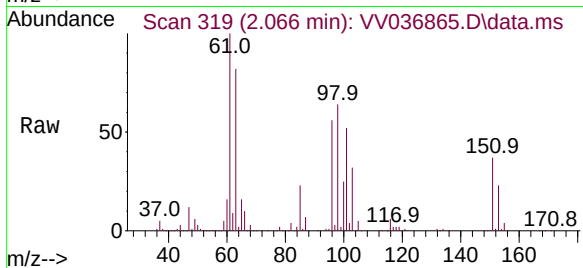




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.480 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

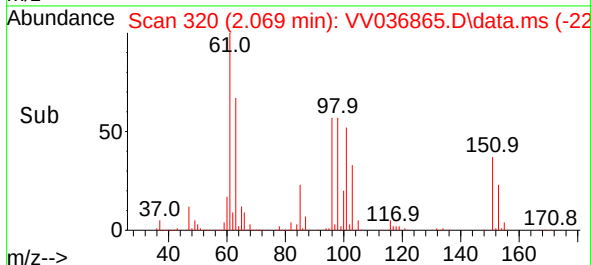
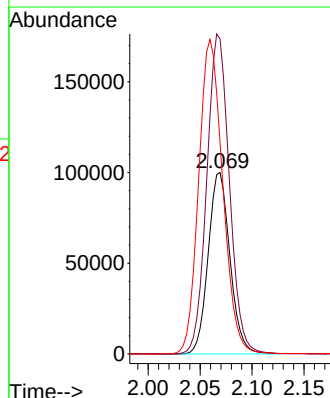
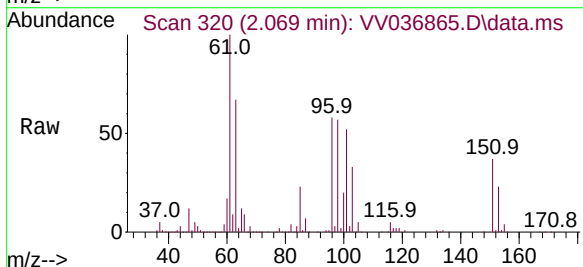
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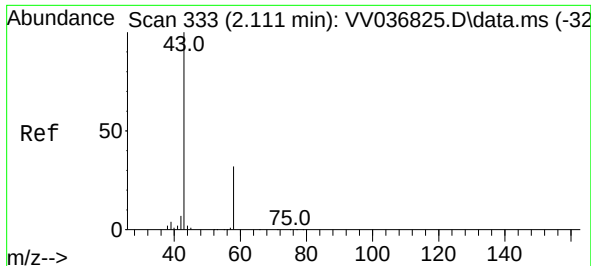
Tgt Ion:101 Resp: 154401
Ion Ratio Lower Upper
101 100
85 45.0 34.6 51.8
151 69.5 55.9 83.9



#12
1,1-Dichloroethene
Concen: 49.829 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

Tgt Ion: 96 Resp: 145560
Ion Ratio Lower Upper
96 100
61 173.8 125.6 233.2
63 116.8 95.1 176.7





#13

Acetone

Concen: 79.471 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Instrument :

MSVOA_V

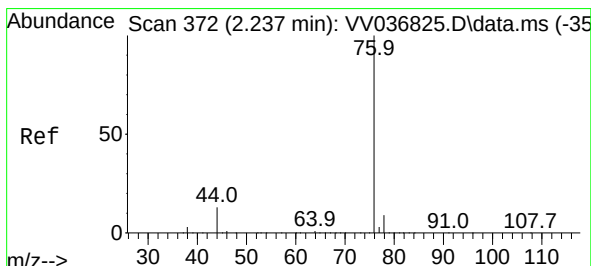
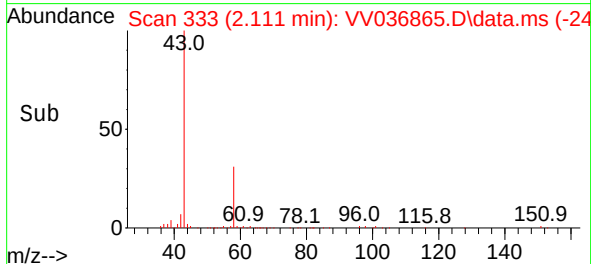
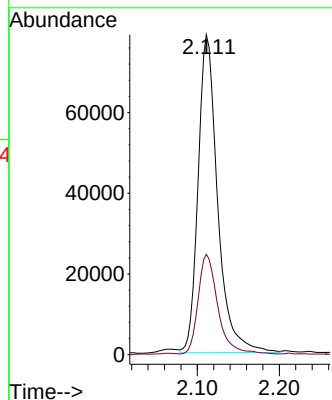
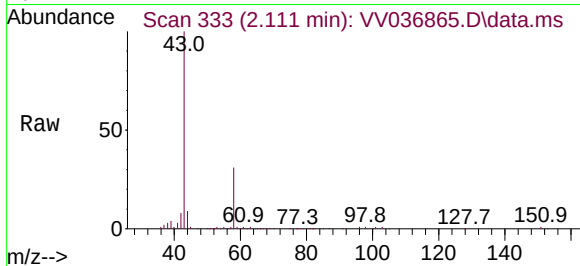
ClientSampleId :

Tgt Ion: 43 Resp: 130124

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.4



#14

Carbon disulfide

Concen: 45.756 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.000 min

Lab File: VV036865.D

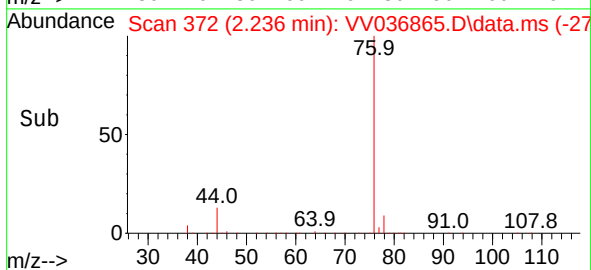
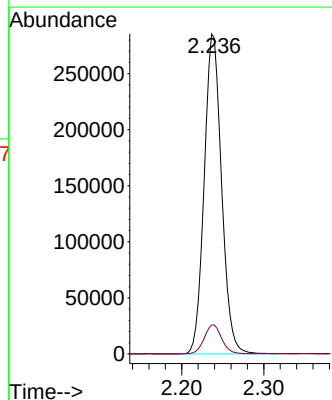
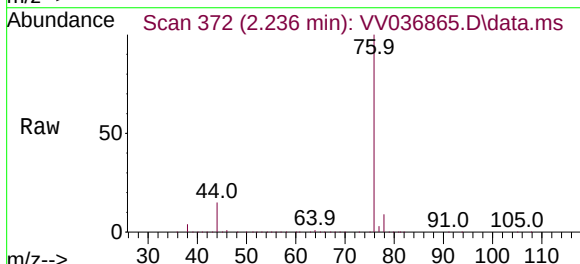
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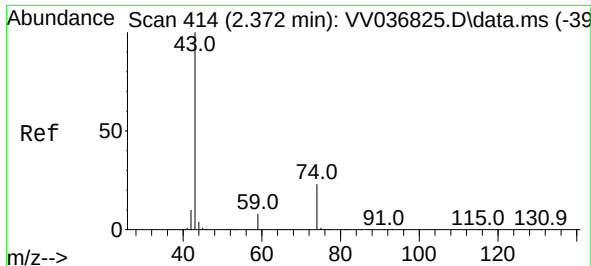
Tgt Ion: 76 Resp: 419869

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#15

Methyl Acetate

Concen: 44.386 ug/L

RT: 2.371 min Scan# 414

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Instrument :

MSVOA_V

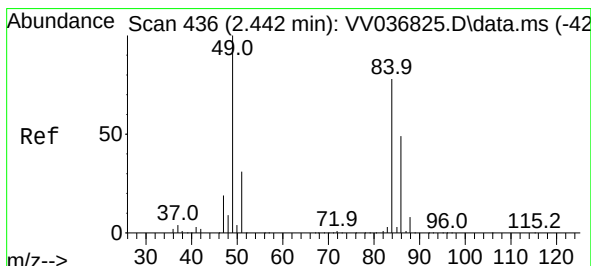
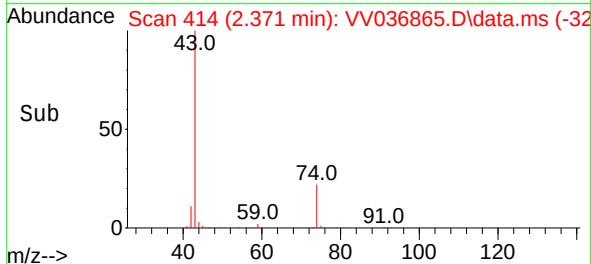
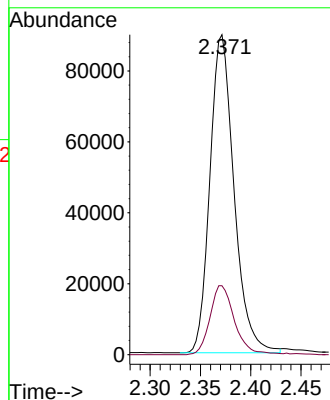
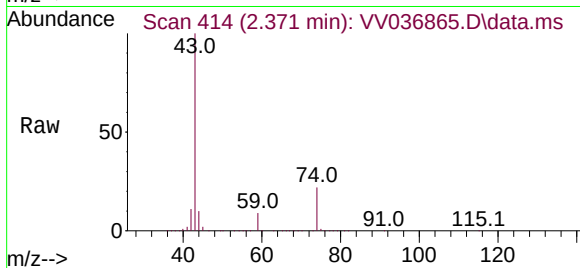
ClientSampleId :

Tgt Ion: 43 Resp: 149716

Ion Ratio Lower Upper

43 100

74 22.1 19.0 28.4



#16

Methylene chloride

Concen: 50.554 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

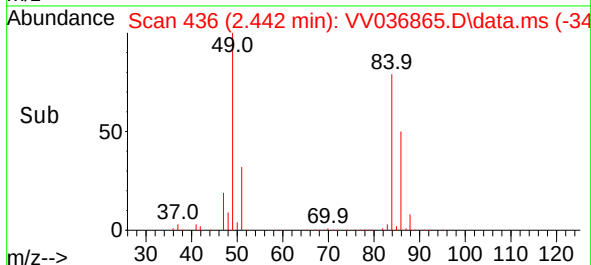
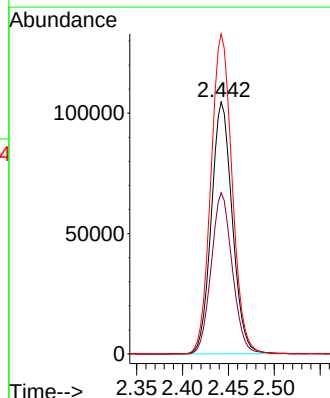
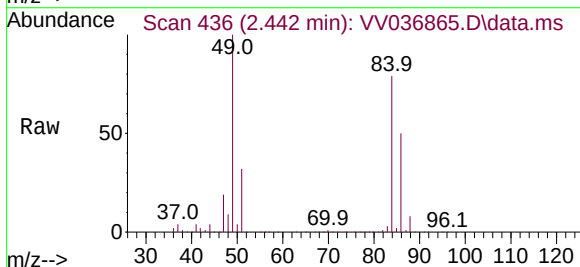
Tgt Ion: 84 Resp: 166025

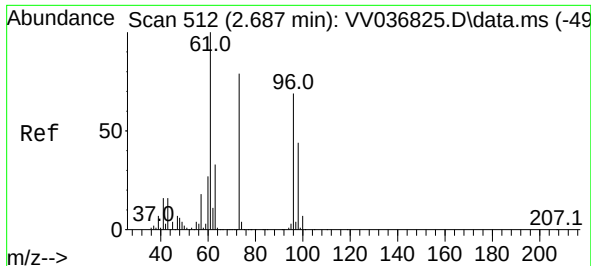
Ion Ratio Lower Upper

84 100

86 64.0 44.3 82.3

49 127.0 91.1 169.1





#17

trans-1,2-Dichloroethene

Concen: 50.689 ug/L

RT: 2.686 min Scan# 512

Delta R.T. -0.003 min

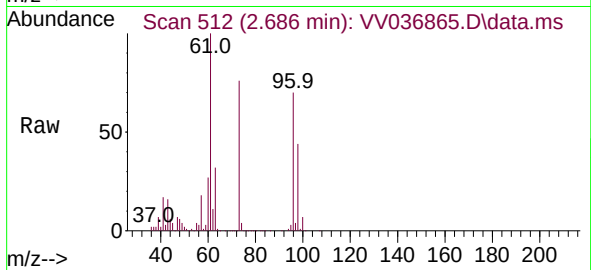
Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Instrument :

MSVOA_V

ClientSampleId :



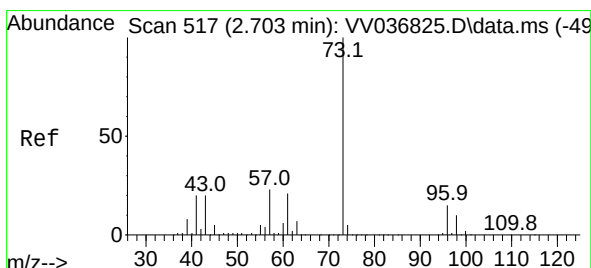
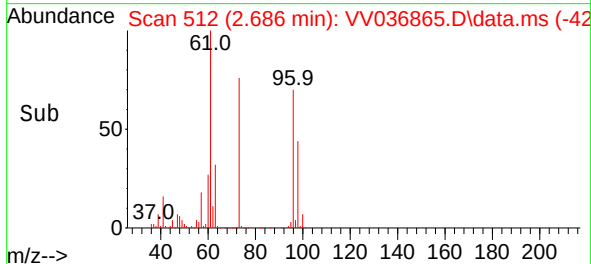
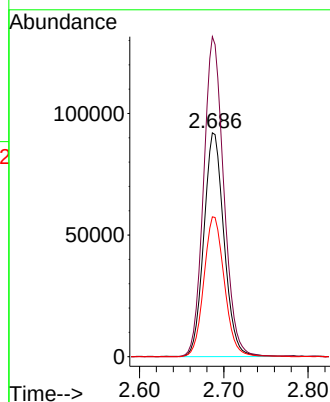
Tgt Ion: 96 Resp: 153379

Ion Ratio Lower Upper

96 100

61 143.0 100.0 185.8

98 62.5 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 48.131 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

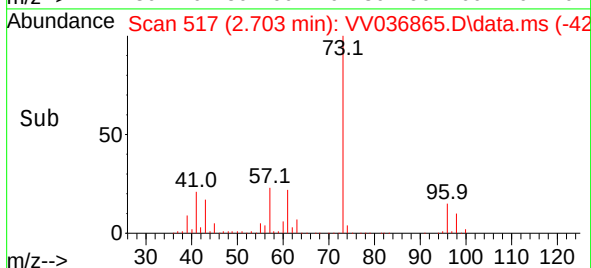
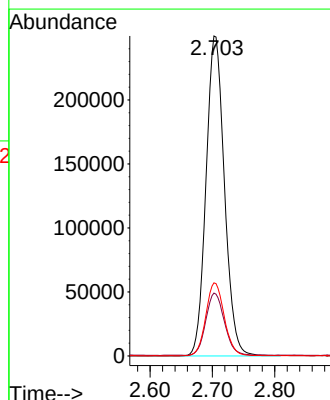
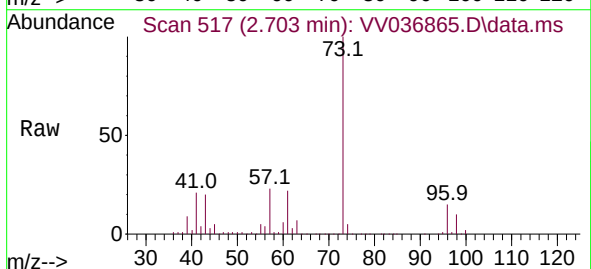
Tgt Ion: 73 Resp: 512934

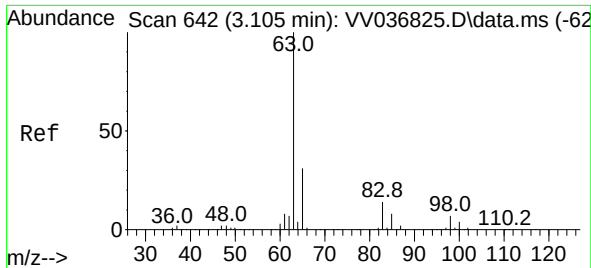
Ion Ratio Lower Upper

73 100

43 19.7 16.1 24.1

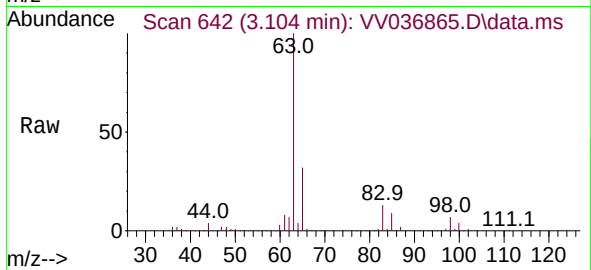
57 22.8 17.9 26.9



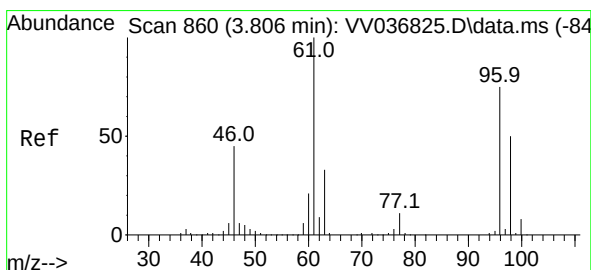
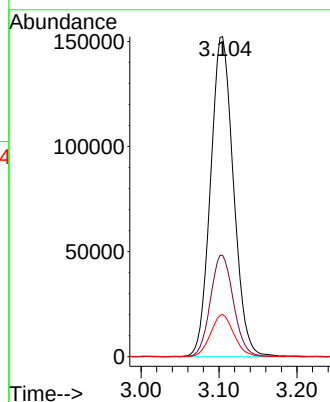
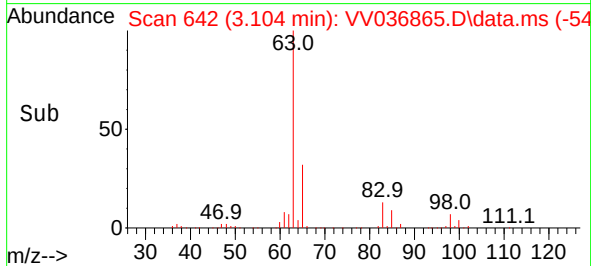


#19
1,1-Dichloroethane
Concen: 50.911 ug/L
RT: 3.104 min Scan# 64
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

Instrument :
MSVOA_V
ClientSampleId :

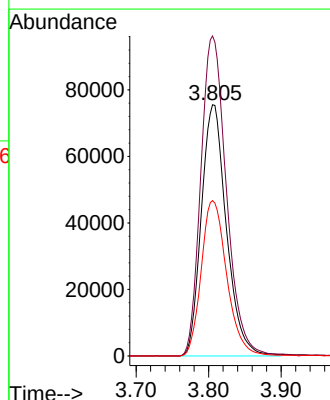
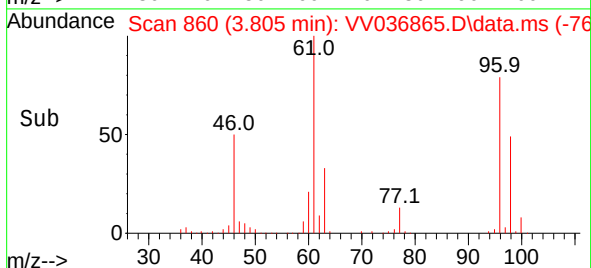
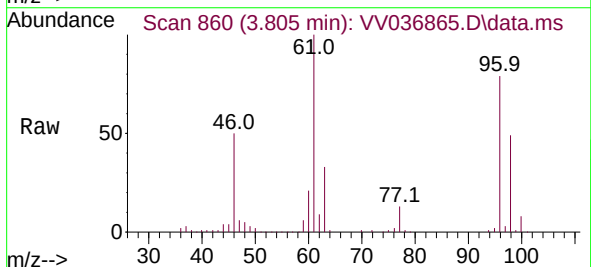


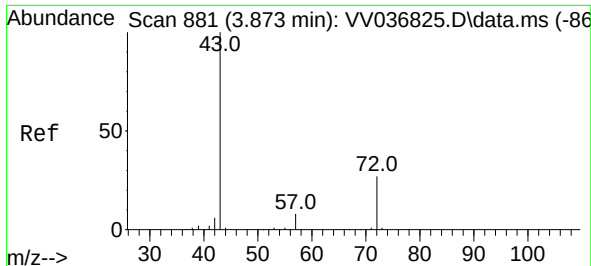
Tgt Ion: 63 Resp: 311238
Ion Ratio Lower Upper
63 100
65 31.7 23.2 43.0
83 13.2 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 51.065 ug/L
RT: 3.805 min Scan# 860
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

Tgt Ion: 96 Resp: 181358
Ion Ratio Lower Upper
96 100
61 127.4 93.9 174.5
98 61.8 46.0 85.4

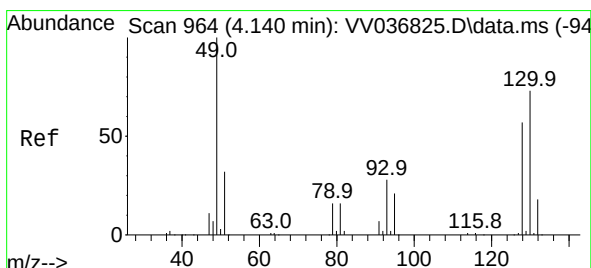
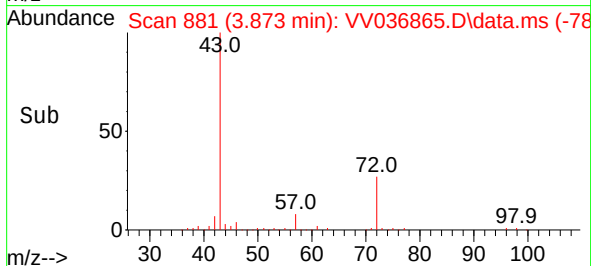
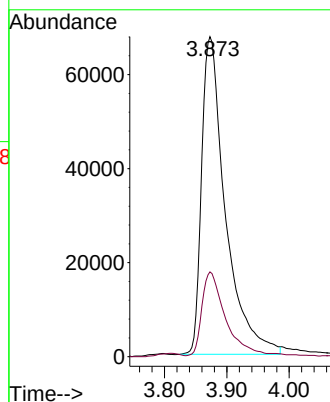
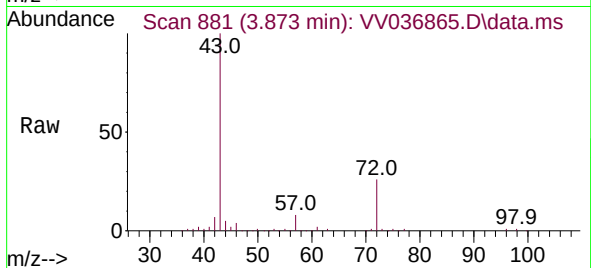




#22
2-Butanone
Concen: 81.707 ug/L
RT: 3.873 min Scan# 881
Delta R.T. 0.003 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

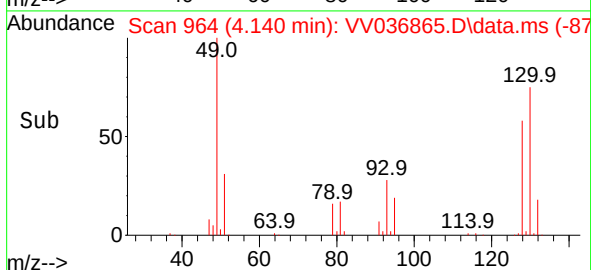
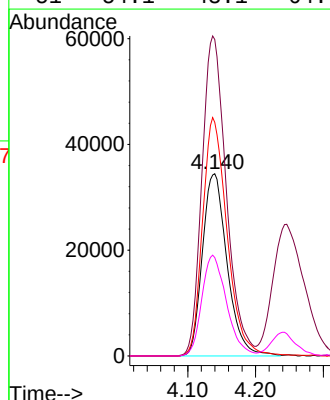
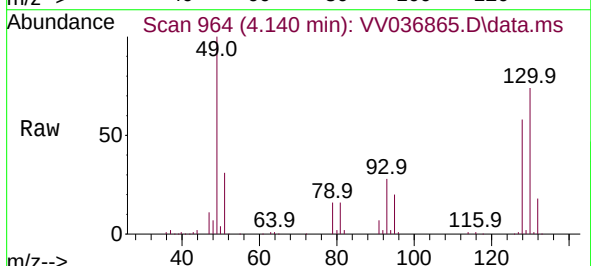
Instrument :
MSVOA_V
ClientSampleId :

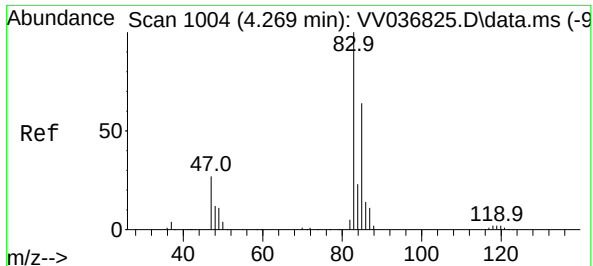
Tgt Ion: 43 Resp: 179224
Ion Ratio Lower Upper
43 100
72 25.7 12.5 37.5



#23
Bromochloromethane
Concen: 50.502 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.003 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

Tgt Ion:128 Resp: 87126
Ion Ratio Lower Upper
128 100
49 173.7 120.0 223.0
130 128.2 87.0 161.6
51 54.1 43.1 64.7





#25

Chloroform

Concen: 50.221 ug/L

RT: 4.268 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Instrument :

MSVOA_V

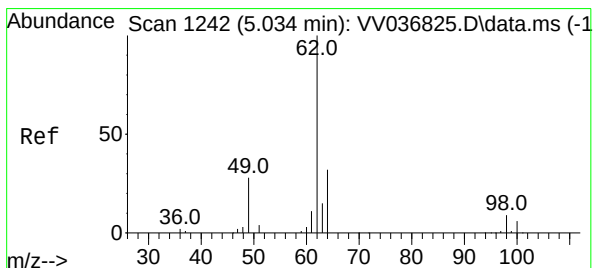
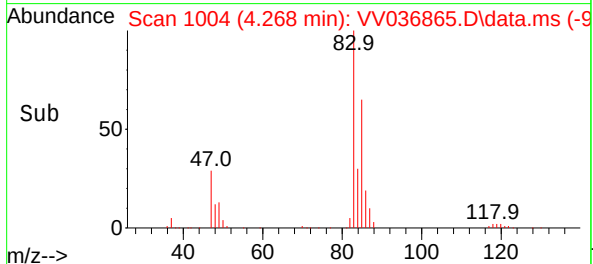
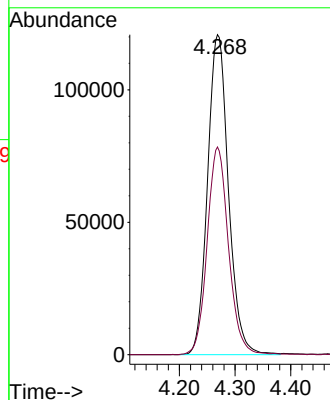
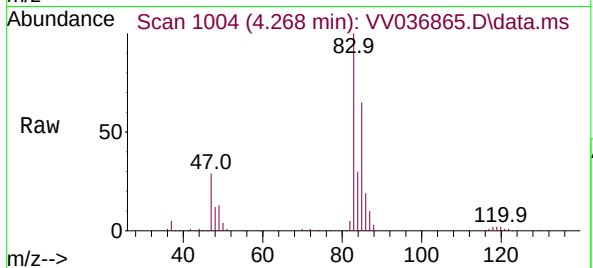
ClientSampleId :

Tgt Ion: 83 Resp: 315338

Ion Ratio Lower Upper

83 100

85 64.9 46.0 85.4



#27

1,2-Dichloroethane

Concen: 48.627 ug/L

RT: 5.034 min Scan# 1242

Delta R.T. -0.000 min

Lab File: VV036865.D

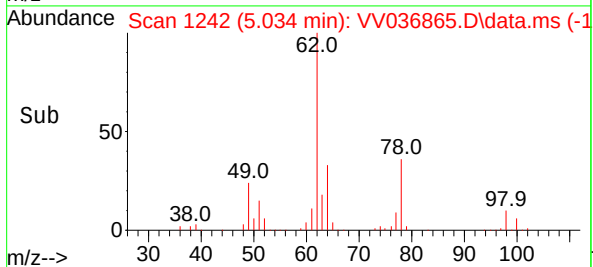
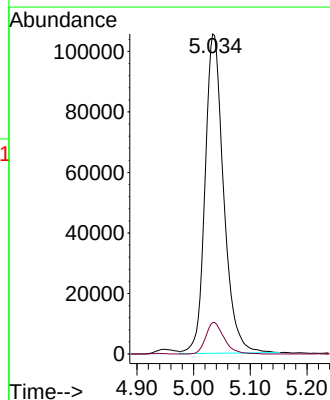
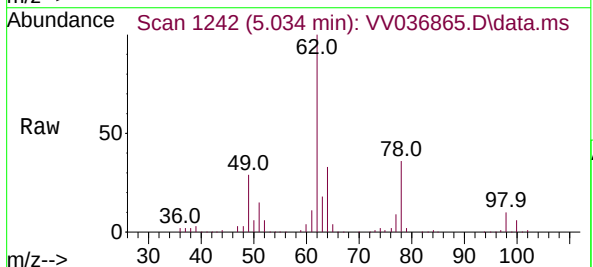
Acq: 09 Aug 2024 09:57

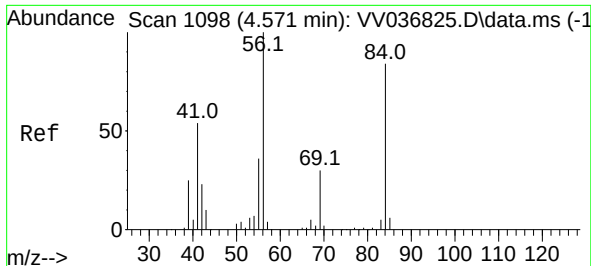
Tgt Ion: 62 Resp: 240844

Ion Ratio Lower Upper

62 100

98 9.8 7.5 11.3





#29

Cyclohexane

Concen: 48.889 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. -0.000 min

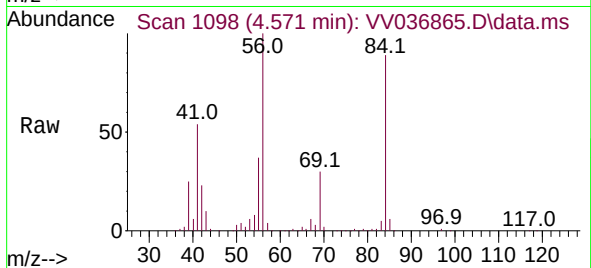
Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Instrument :

MSVOA_V

ClientSampleId :



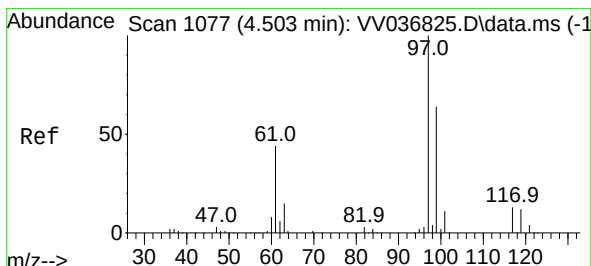
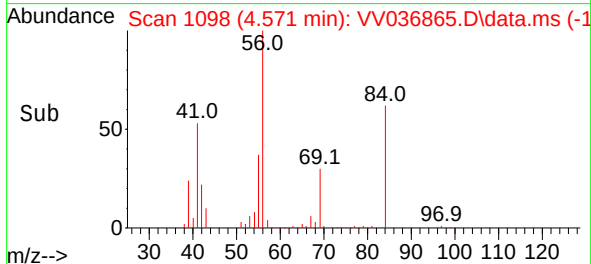
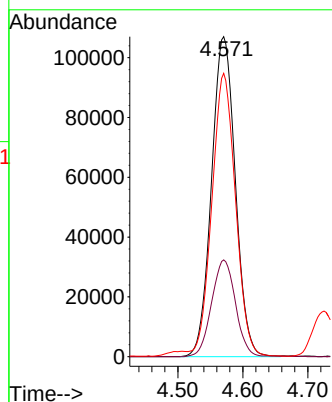
Tgt Ion: 56 Resp: 272465

Ion Ratio Lower Upper

56 100

69 30.2 24.7 37.1

84 87.1 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 48.313 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

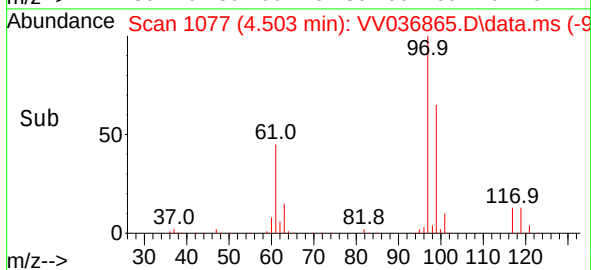
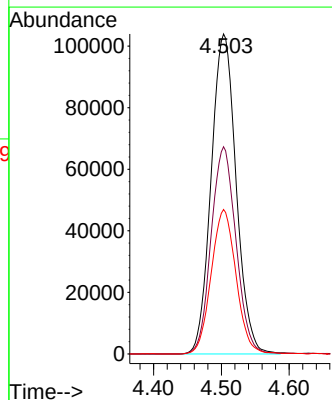
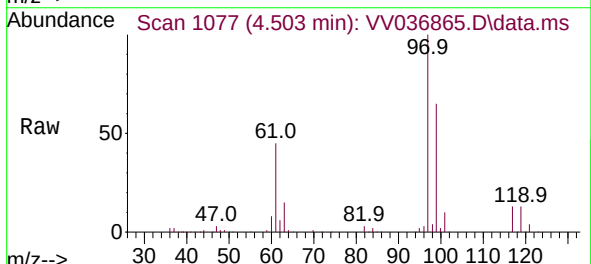
Tgt Ion: 97 Resp: 266243

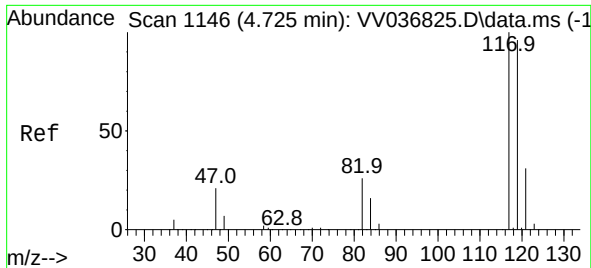
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 44.7 36.0 54.0

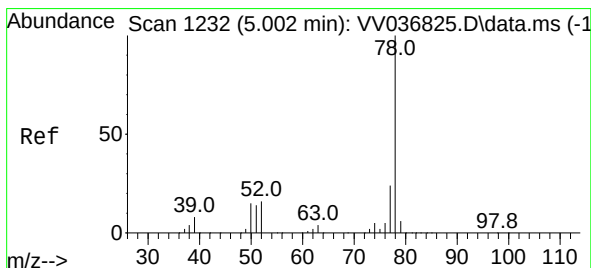
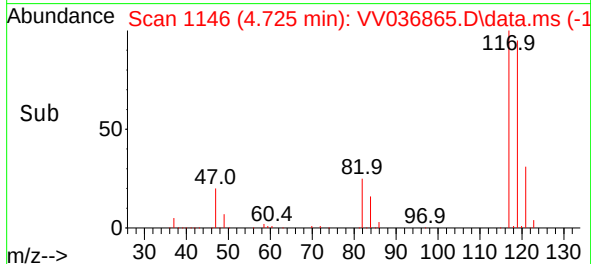
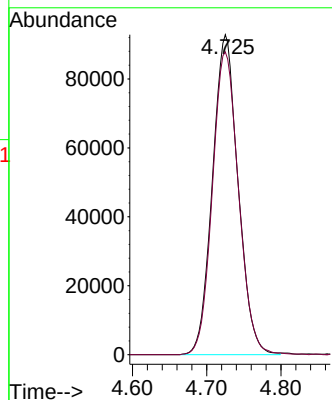
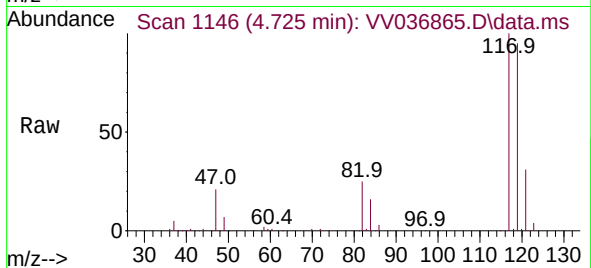




#31
Carbon tetrachloride
Concen: 48.048 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

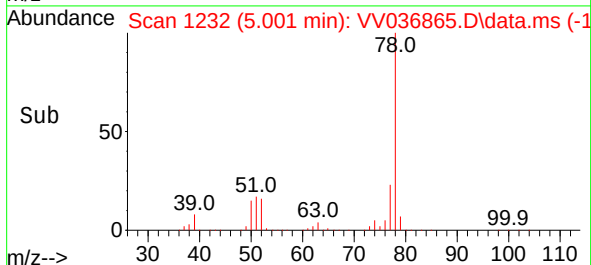
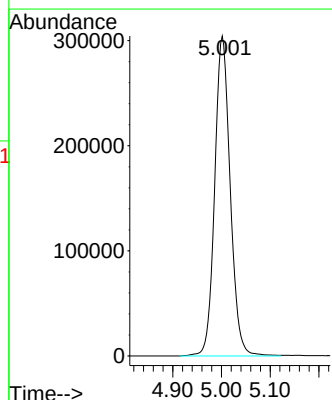
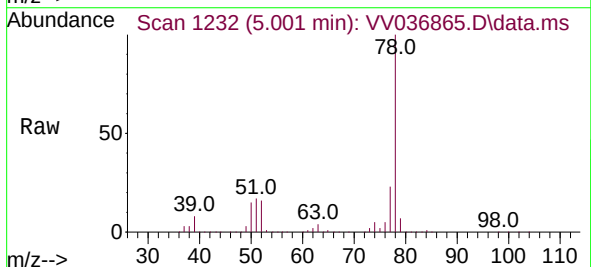
Instrument :
MSVOA_V
ClientSampleId :

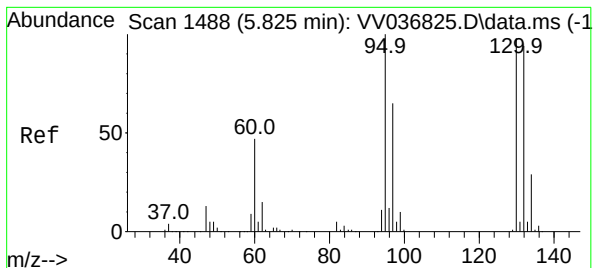
Tgt Ion:117 Resp: 222369
Ion Ratio Lower Upper
117 100
119 96.7 76.1 114.1



#33
Benzene
Concen: 51.498 ug/L
RT: 5.001 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

Tgt Ion: 78 Resp: 673734





#34

Trichloroethene

Concen: 49.093 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 186140

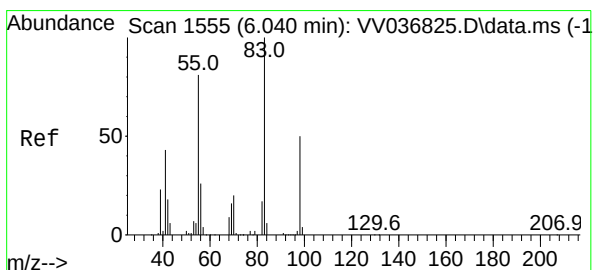
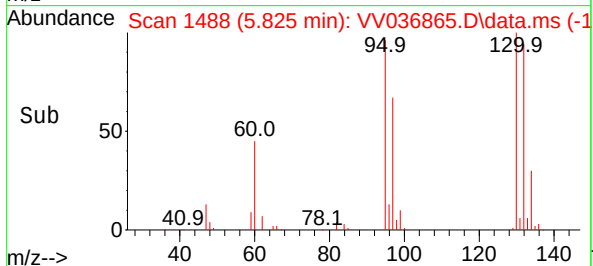
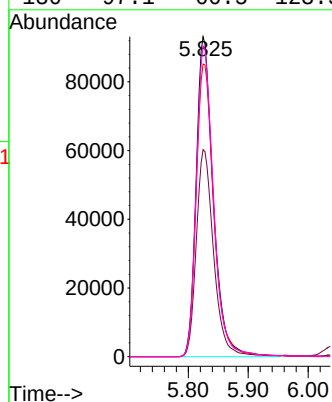
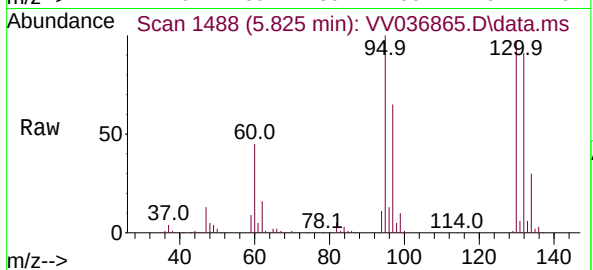
Ion Ratio Lower Upper

95 100

97 64.7 44.7 82.9

132 91.5 62.9 116.9

130 97.1 66.5 123.5



#35

Methylcyclohexane

Concen: 49.221 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

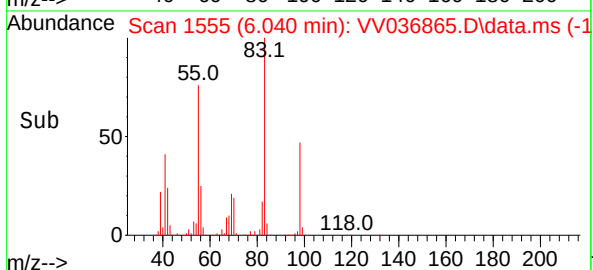
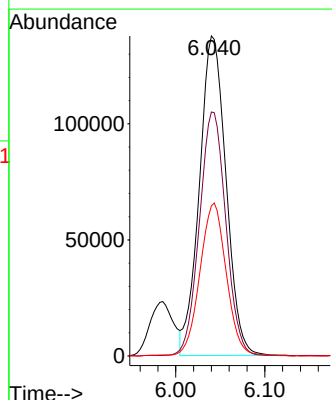
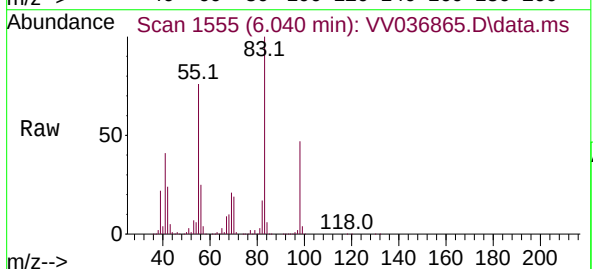
Tgt Ion: 83 Resp: 286374

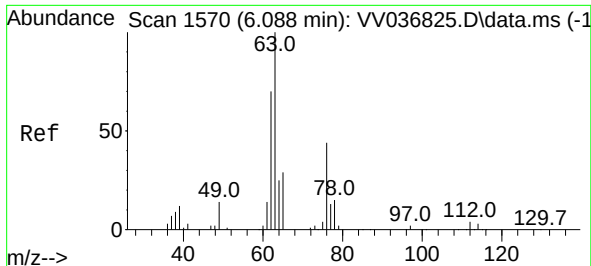
Ion Ratio Lower Upper

83 100

55 75.9 62.3 93.5

98 47.4 38.7 58.1

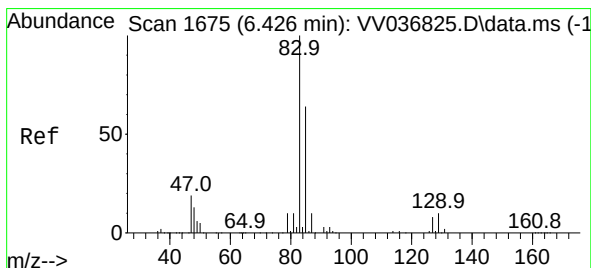
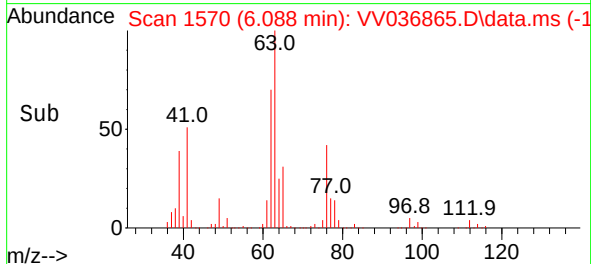
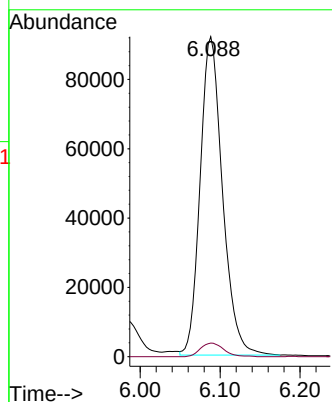
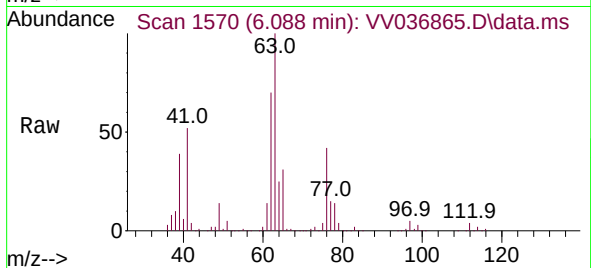




#37
1,2-Dichloropropane
Concen: 51.613 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

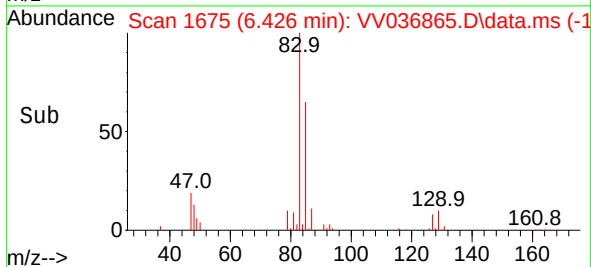
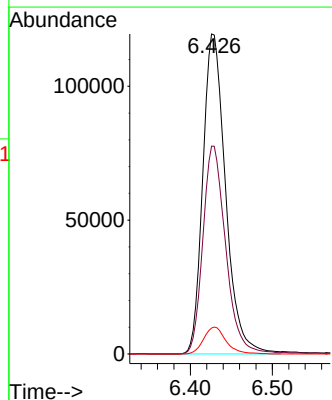
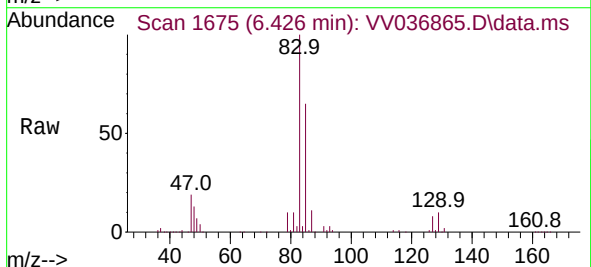
Instrument :
MSVOA_V
ClientSampleId :

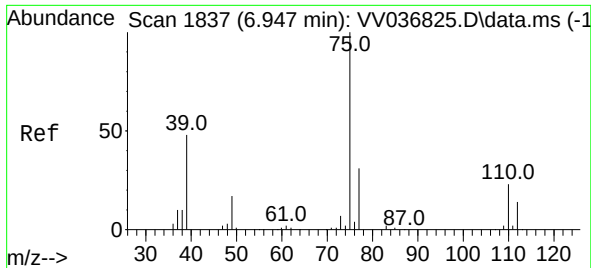
Tgt Ion: 63 Resp: 178878
Ion Ratio Lower Upper
63 100
112 4.5 3.6 5.4



#38
Bromodichloromethane
Concen: 48.346 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

Tgt Ion: 83 Resp: 230733
Ion Ratio Lower Upper
83 100
85 65.0 44.7 83.1
127 8.1 6.2 9.4

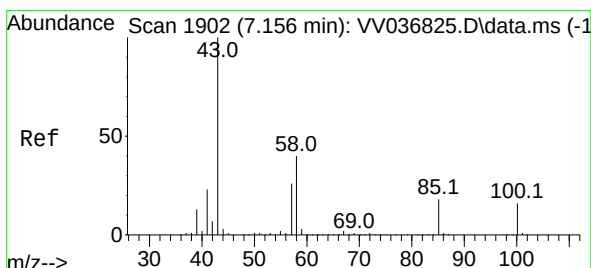
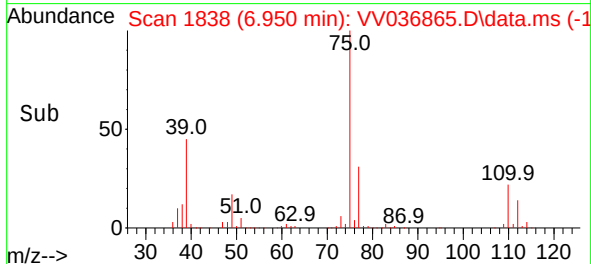
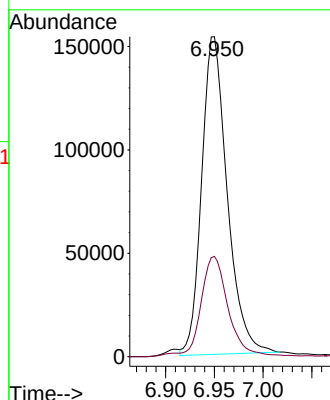
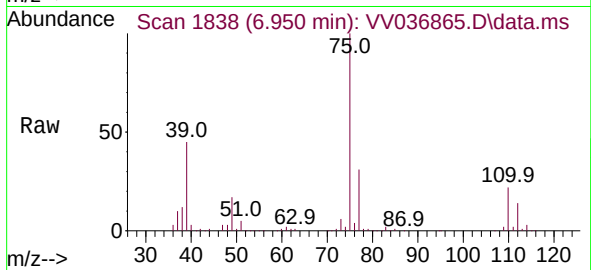




#39
 cis-1,3-Dichloropropene
 Concen: 47.227 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. 0.003 min
 Lab File: VV036865.D
 Acq: 09 Aug 2024 09:57

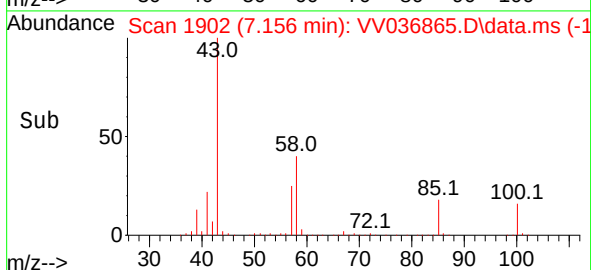
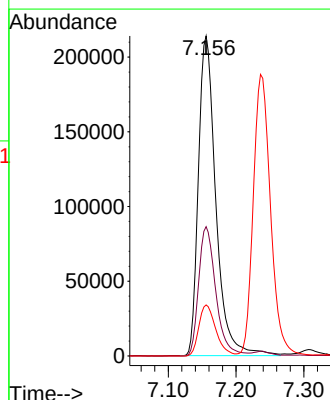
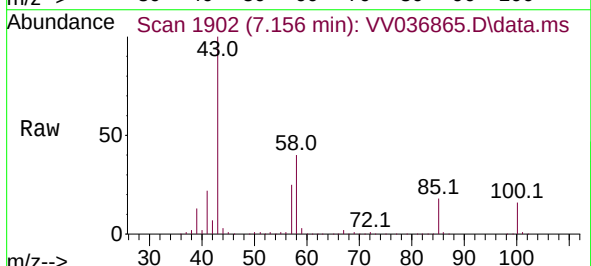
Instrument :
 MSVOA_V
 ClientSampleId :

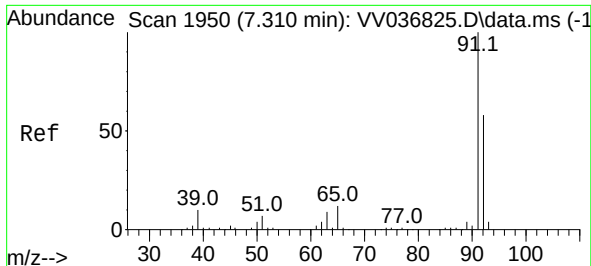
Tgt Ion: 75 Resp: 280316
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 89.306 ug/L
 RT: 7.156 min Scan# 1902
 Delta R.T. 0.003 min
 Lab File: VV036865.D
 Acq: 09 Aug 2024 09:57

Tgt Ion: 43 Resp: 383411
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.3 46.9
 100 15.6 12.6 18.8





#42

Toluene

Concen: 50.220 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Instrument :

MSVOA_V

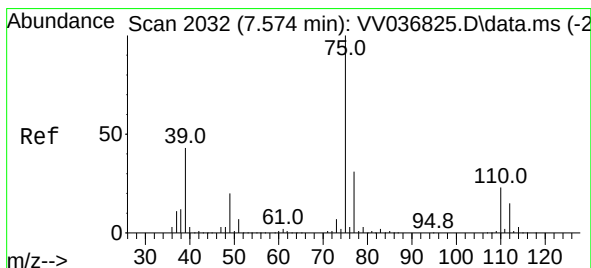
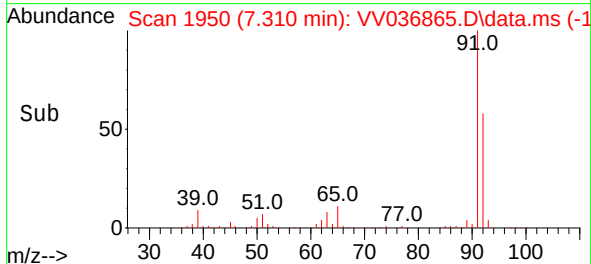
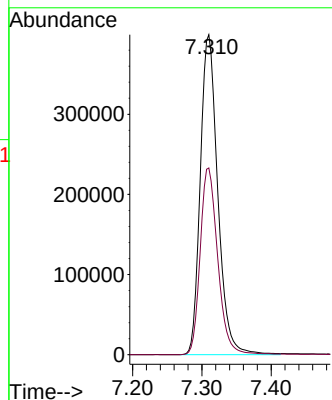
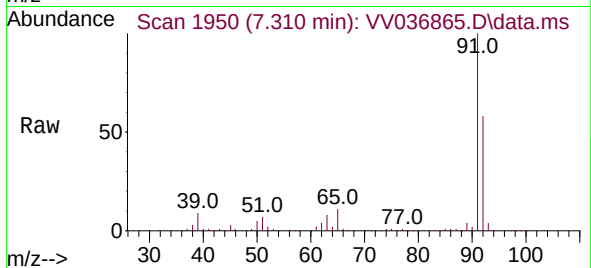
ClientSampleId :

Tgt Ion: 91 Resp: 699807

Ion Ratio Lower Upper

91 100

92 58.3 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 47.922 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.003 min

Lab File: VV036865.D

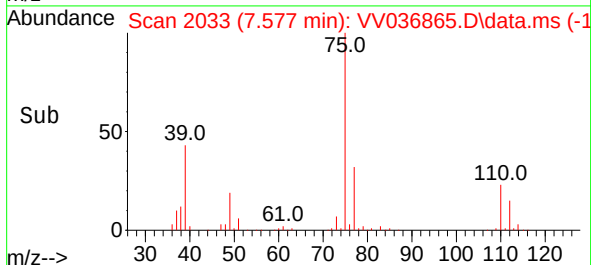
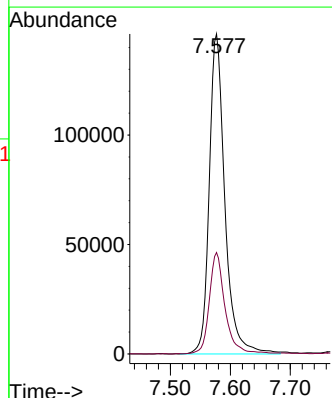
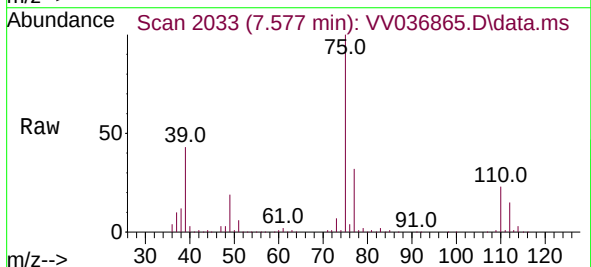
Acq: 09 Aug 2024 09:57

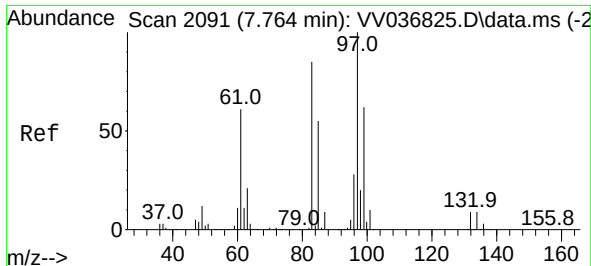
Tgt Ion: 75 Resp: 265054

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 48.793 ug/L

RT: 7.763 min Scan# 2091

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 163764

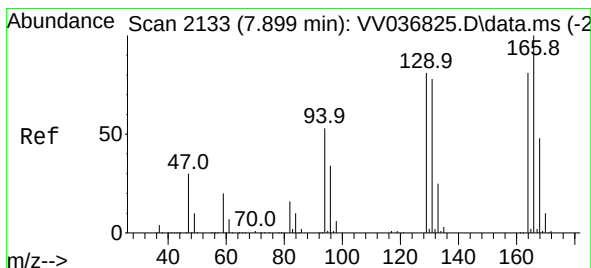
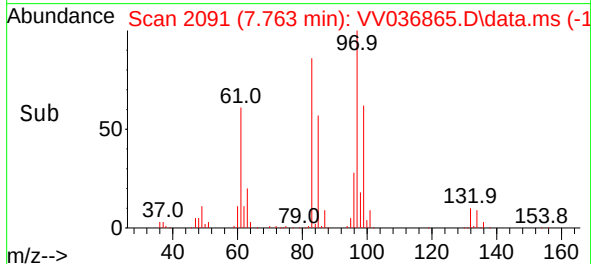
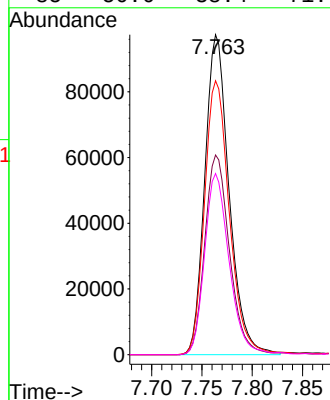
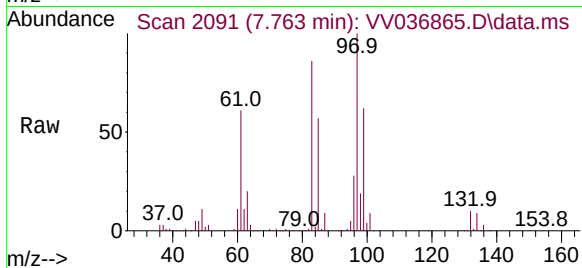
Ion Ratio Lower Upper

97 100

99 62.4 44.0 81.6

83 85.6 60.1 111.5

85 56.6 38.4 71.4



#46

Tetrachloroethene

Concen: 50.142 ug/L

RT: 7.898 min Scan# 2133

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Tgt Ion:164 Resp: 124705

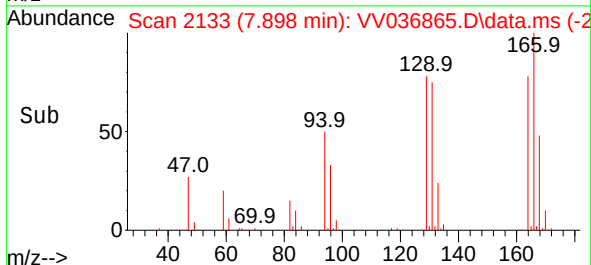
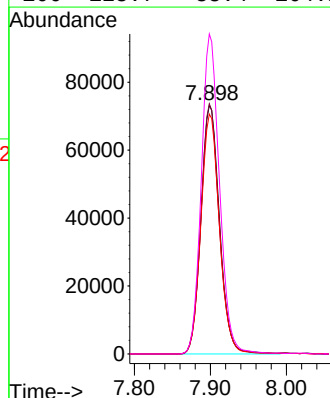
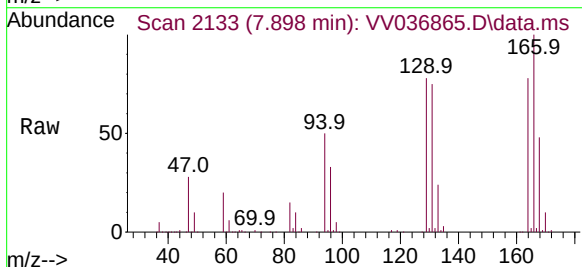
Ion Ratio Lower Upper

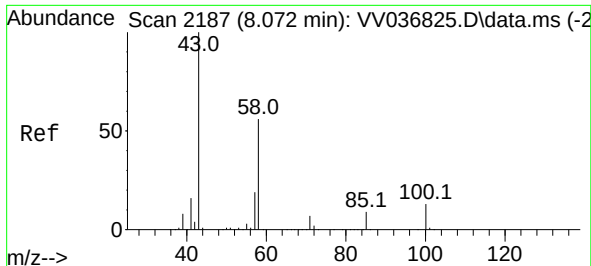
164 100

129 100.7 70.4 130.8

131 96.5 67.7 125.7

166 128.7 88.4 164.2

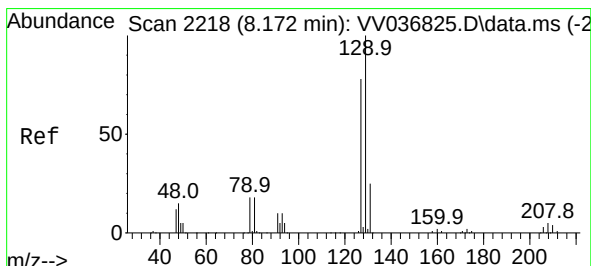
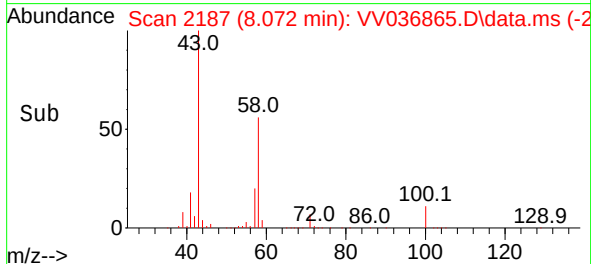
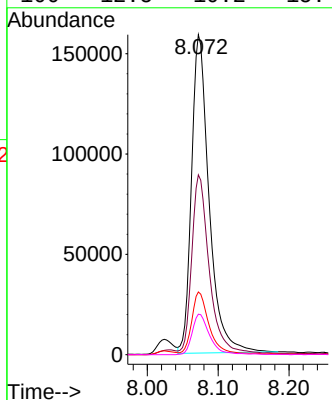
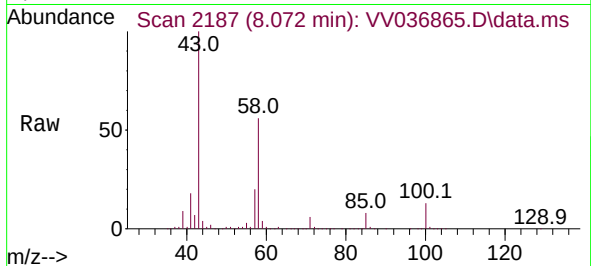




#48
2-Hexanone
Concen: 86.513 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

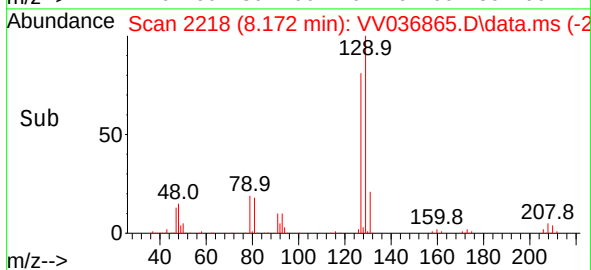
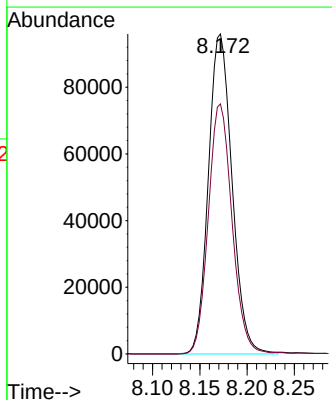
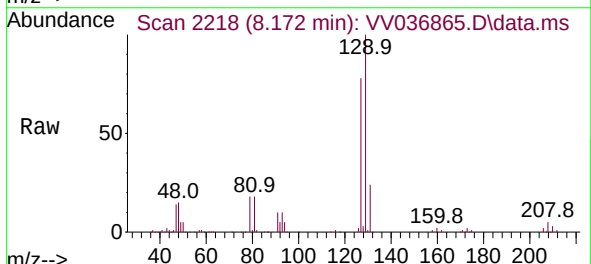
Instrument :
MSVOA_V
ClientSampleId :

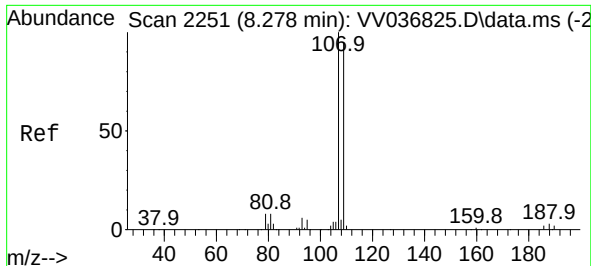
Tgt Ion: 43 Resp: 273245
Ion Ratio Lower Upper
43 100
58 55.5 44.7 67.1
57 18.8 15.0 22.4
100 12.5 10.2 15.4



#49
Dibromochloromethane
Concen: 48.552 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

Tgt Ion: 129 Resp: 167457
Ion Ratio Lower Upper
129 100
127 78.2 55.4 102.8

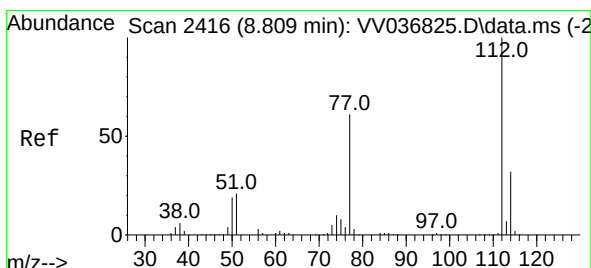
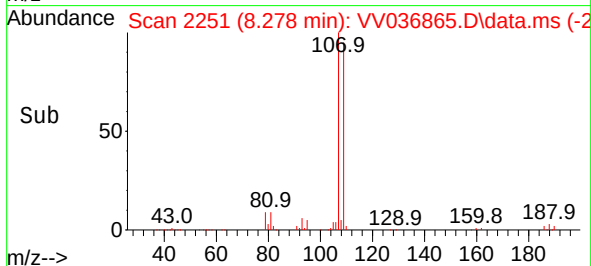
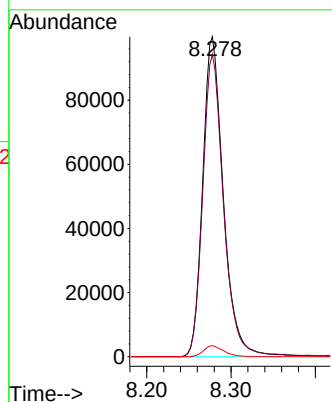
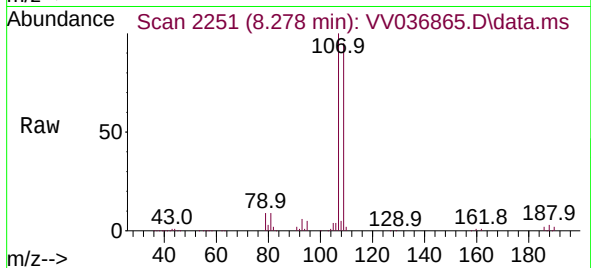




#50
1,2-Dibromoethane
Concen: 48.809 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

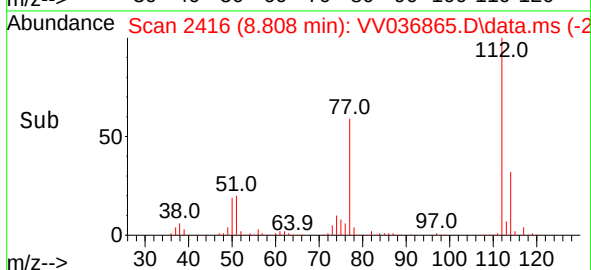
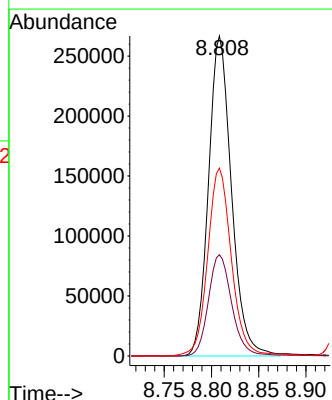
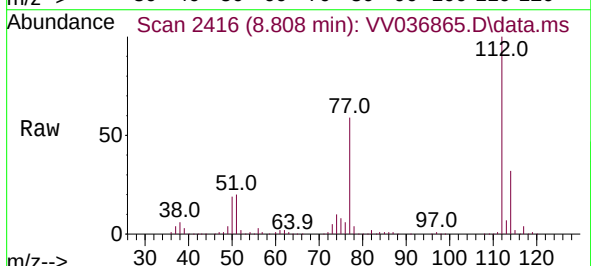
Instrument :
MSVOA_V
ClientSampleId :

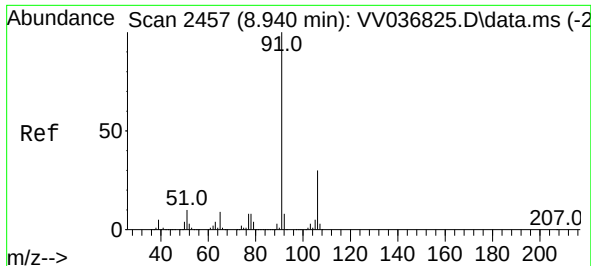
Tgt Ion:107 Resp: 169967
Ion Ratio Lower Upper
107 100
109 94.5 64.7 120.1
188 3.4 2.6 3.8



#51
Chlorobenzene
Concen: 50.416 ug/L
RT: 8.808 min Scan# 2416
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

Tgt Ion:112 Resp: 450779
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.5
77 58.7 48.9 73.3





#52

Ethylbenzene

Concen: 49.841 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Instrument :

MSVOA_V

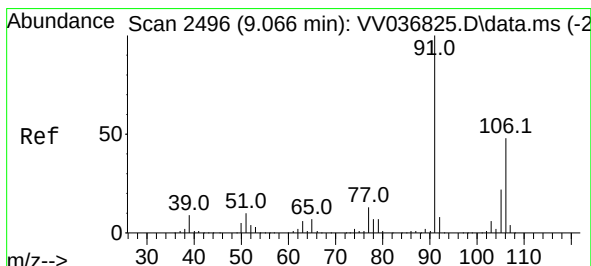
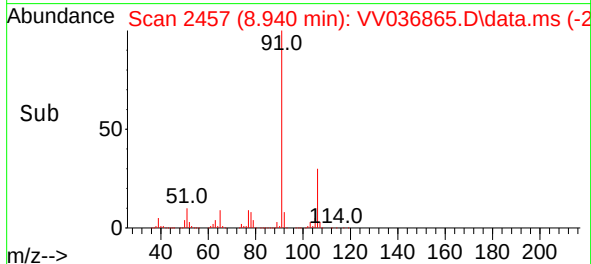
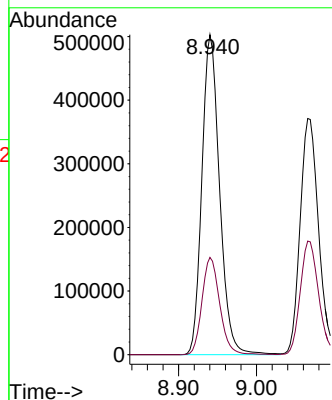
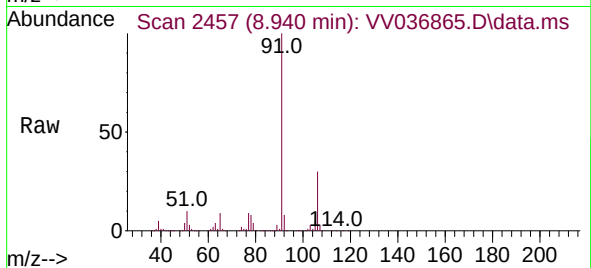
ClientSampleId :

Tgt Ion: 91 Resp: 793017

Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.1



#53

m,p-Xylene

Concen: 49.270 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. -0.000 min

Lab File: VV036865.D

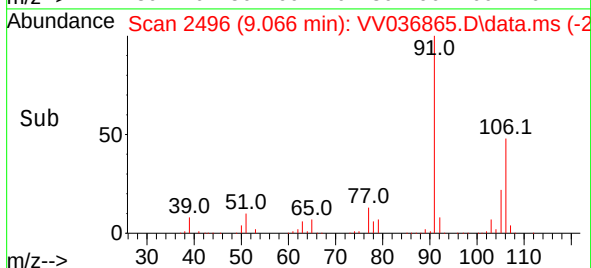
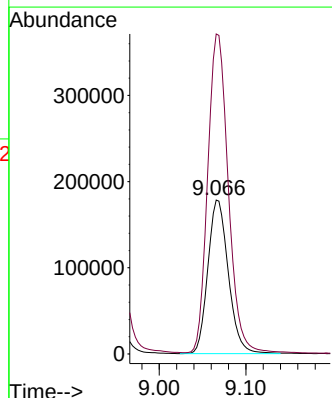
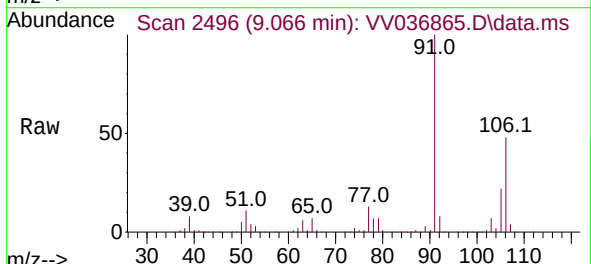
Acq: 09 Aug 2024 09:57

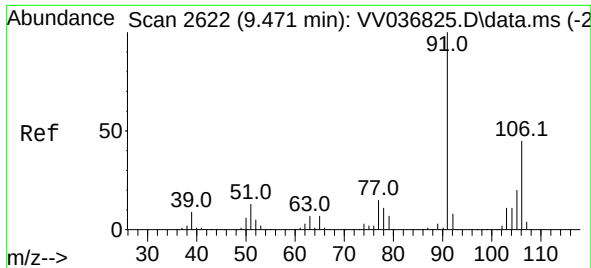
Tgt Ion: 106 Resp: 293031

Ion Ratio Lower Upper

106 100

91 208.0 147.1 273.3

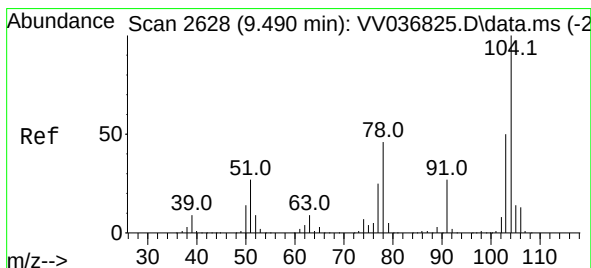
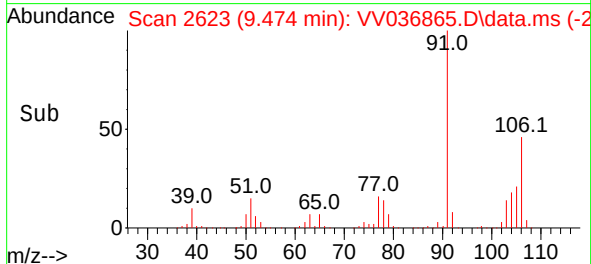
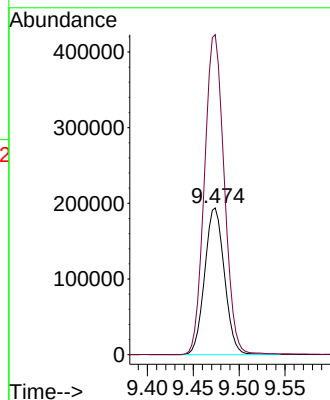
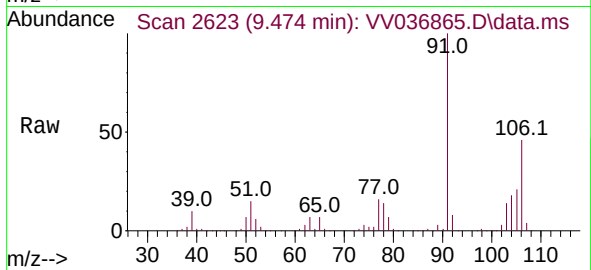




#54
o-Xylene
Concen: 49.974 ug/L
RT: 9.474 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

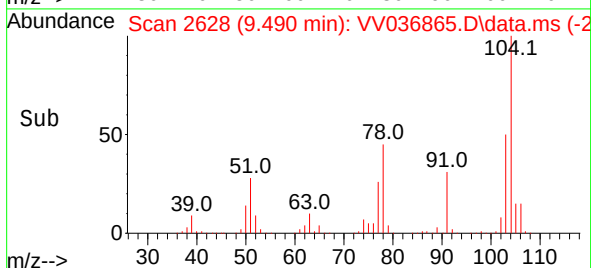
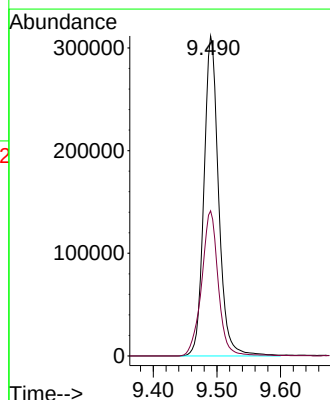
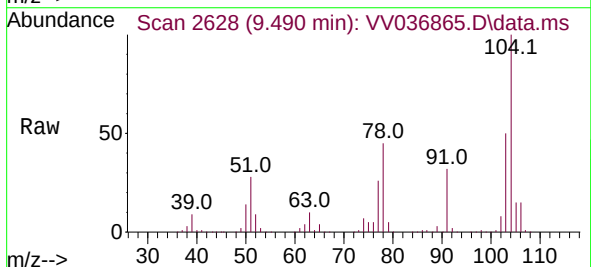
Instrument :
MSVOA_V
ClientSampleId :

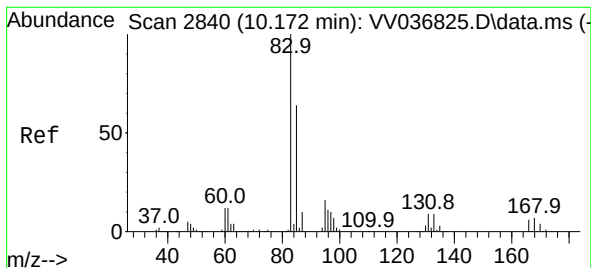
Tgt Ion:106 Resp: 290699
Ion Ratio Lower Upper
106 100
91 218.0 154.5 286.9



#55
Styrene
Concen: 50.342 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

Tgt Ion:104 Resp: 501840
Ion Ratio Lower Upper
104 100
78 45.4 32.1 59.7

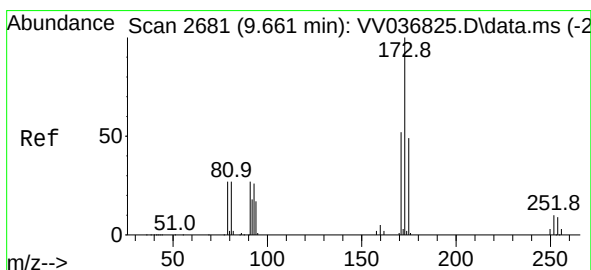
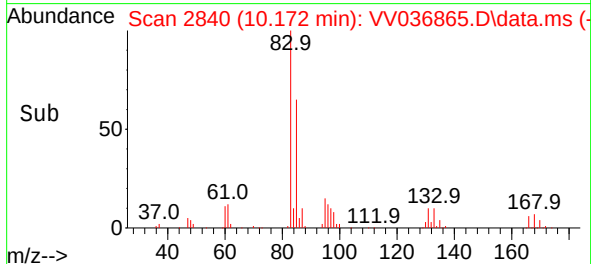
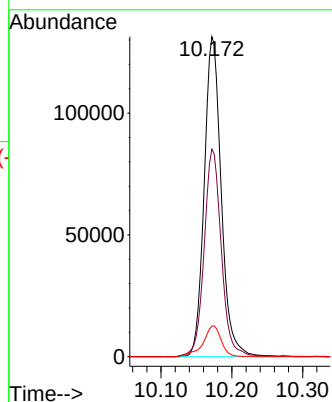
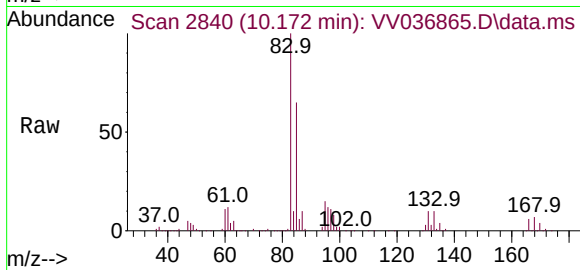




#57
1,1,2,2-Tetrachloroethane
Concen: 48.367 ug/L
RT: 10.172 min Scan# 219040
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

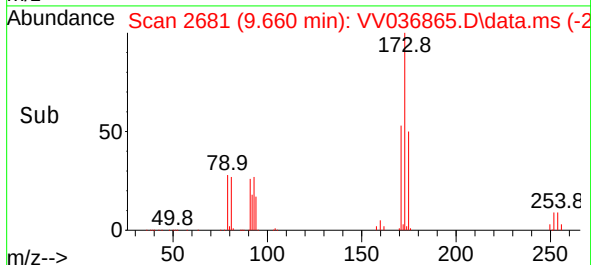
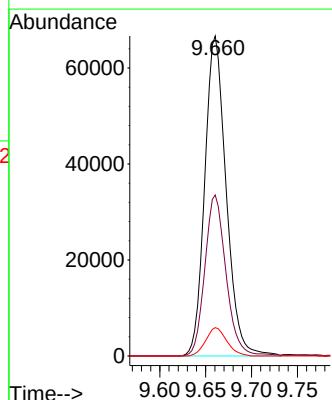
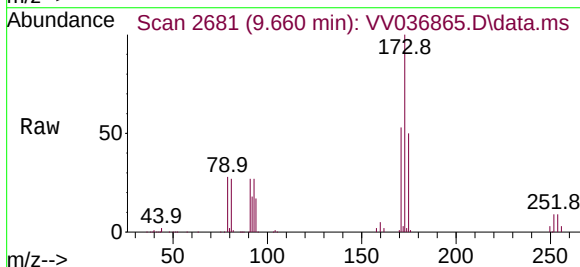
Instrument :
MSVOA_V
ClientSampleId :

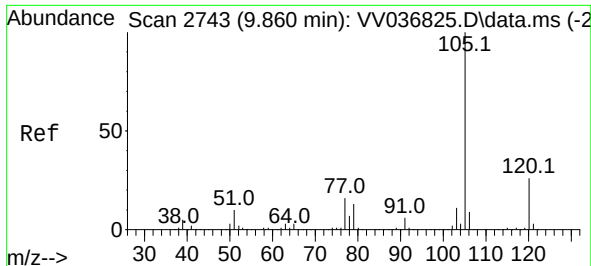
Tgt Ion: 83 Resp: 219040
Ion Ratio Lower Upper
83 100
85 64.8 44.7 83.1
131 9.6 7.2 10.8



#59
Bromoform
Concen: 45.222 ug/L
RT: 9.660 min Scan# 2681
Delta R.T. 0.003 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

Tgt Ion: 173 Resp: 108381
Ion Ratio Lower Upper
173 100
175 49.3 39.8 59.8
254 8.7 6.8 10.2

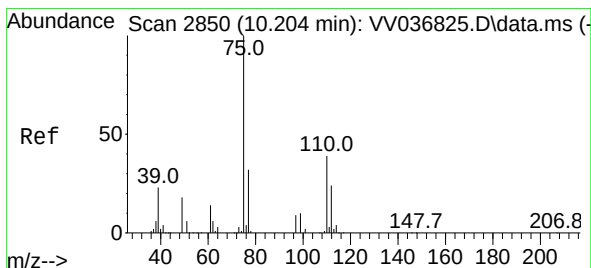
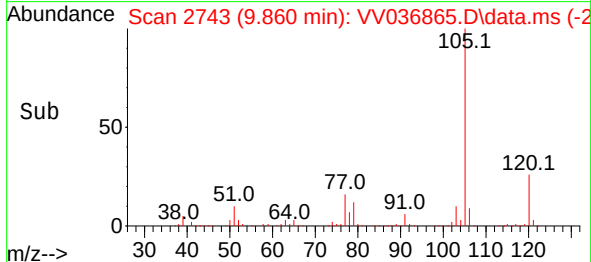
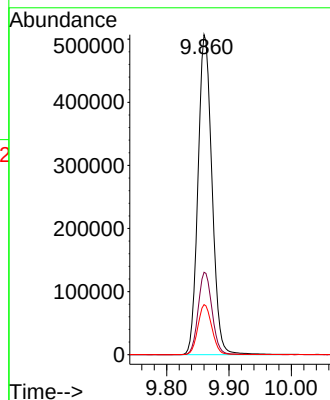
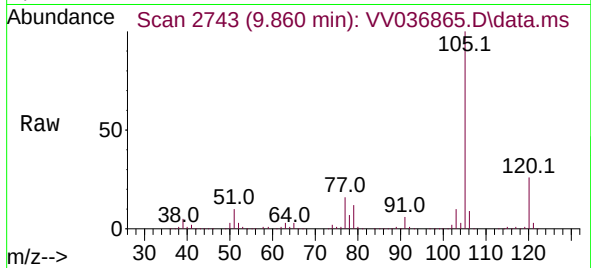




#60
Isopropylbenzene
Concen: 50.149 ug/L
RT: 9.860 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

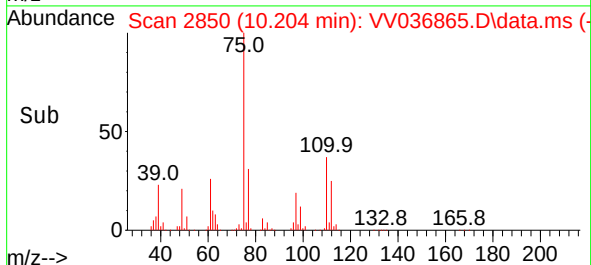
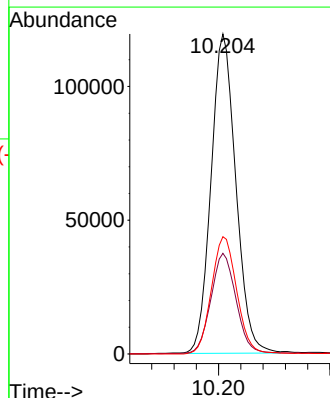
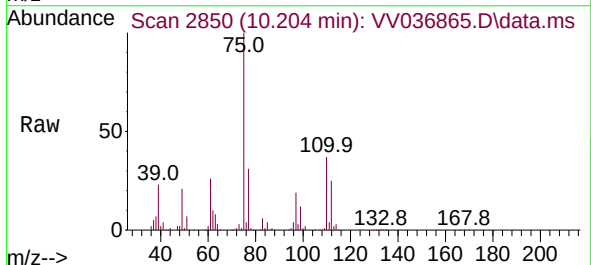
Instrument :
MSVOA_V
ClientSampleId :

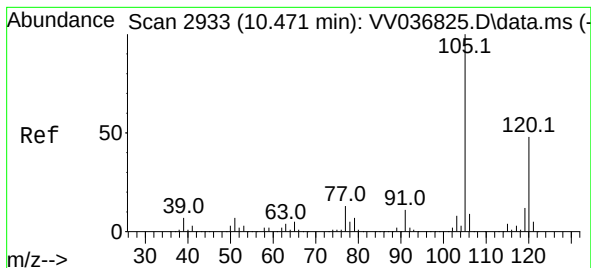
Tgt Ion:105 Resp: 790933
Ion Ratio Lower Upper
105 100
120 25.6 20.3 30.5
77 15.5 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 47.363 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. -0.000 min
Lab File: VV036865.D
Acq: 09 Aug 2024 09:57

Tgt Ion: 75 Resp: 184707
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.2
110 37.6 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 49.515 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Instrument :

MSVOA_V

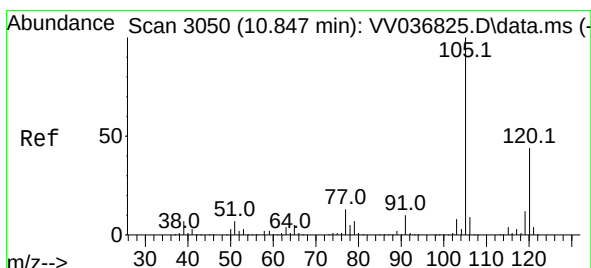
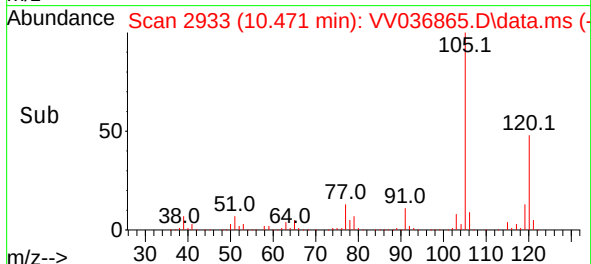
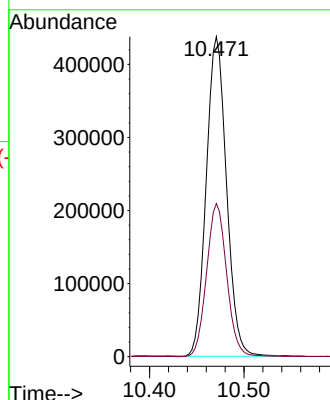
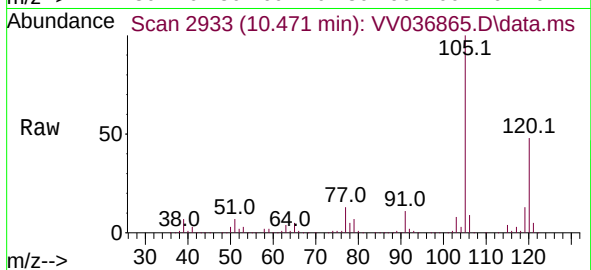
ClientSampleId :

Tgt Ion:105 Resp: 650155

Ion Ratio Lower Upper

105 100

120 47.8 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 49.396 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV036865.D

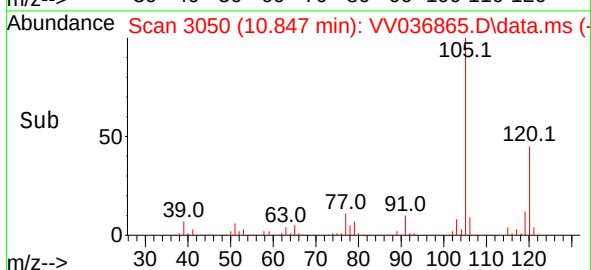
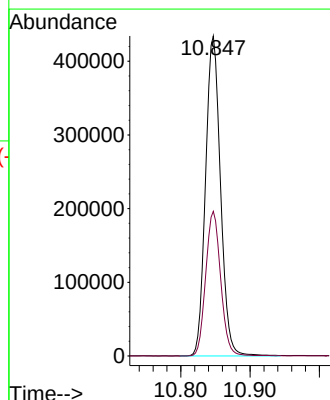
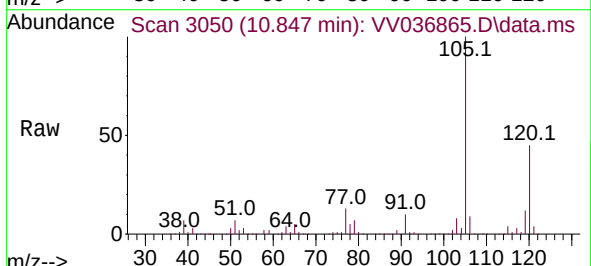
Acq: 09 Aug 2024 09:57

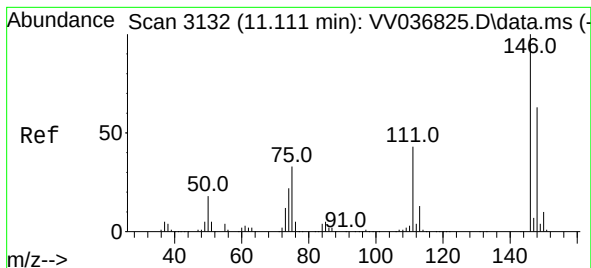
Tgt Ion:105 Resp: 649276

Ion Ratio Lower Upper

105 100

120 45.2 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 50.988 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. -0.000 min

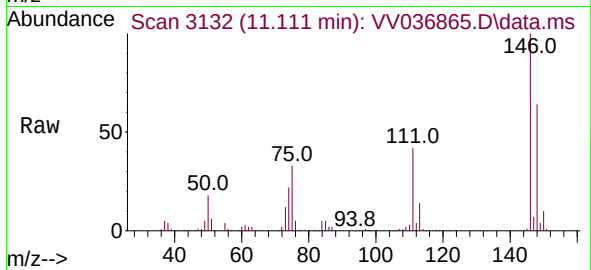
Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Instrument :

MSVOA_V

ClientSampleId :



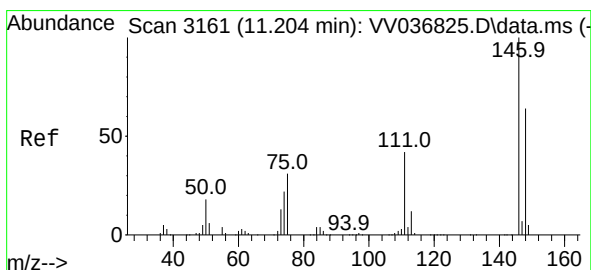
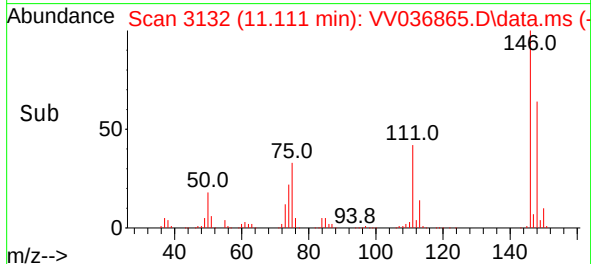
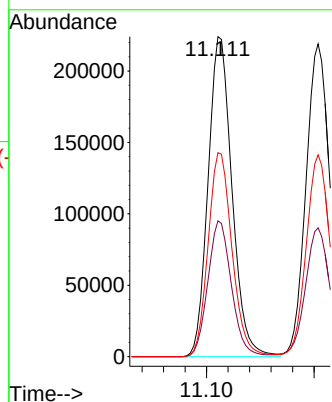
Tgt Ion:146 Resp: 345810

Ion Ratio Lower Upper

146 100

111 42.4 29.8 55.4

148 63.8 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 50.931 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

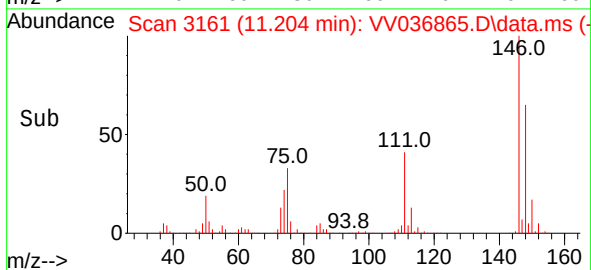
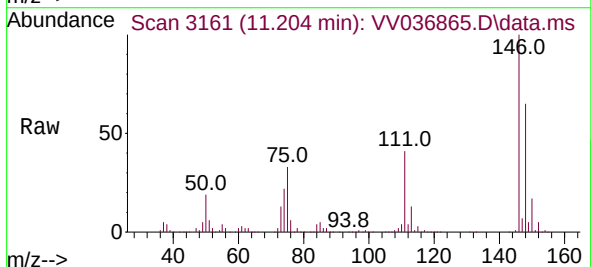
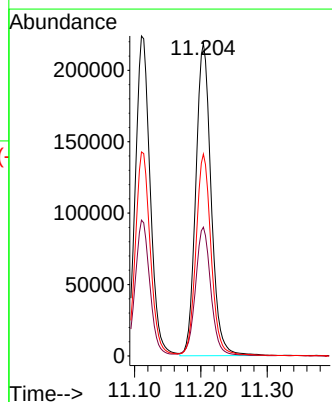
Tgt Ion:146 Resp: 351260

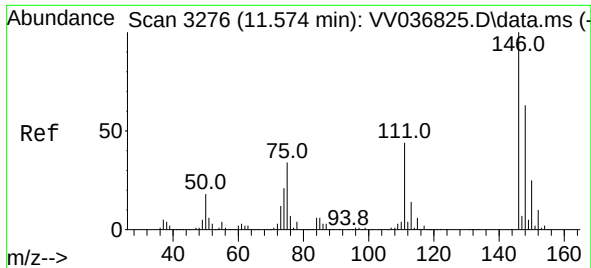
Ion Ratio Lower Upper

146 100

111 41.1 29.0 53.9

148 64.5 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 50.673 ug/L

RT: 11.574 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Instrument :

MSVOA_V

ClientSampleId :

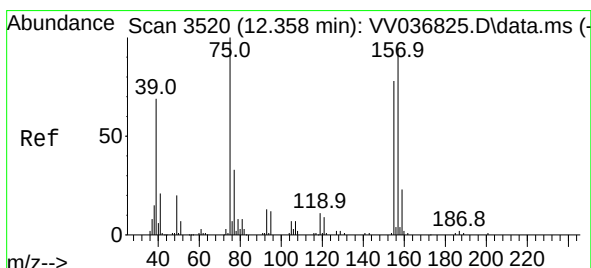
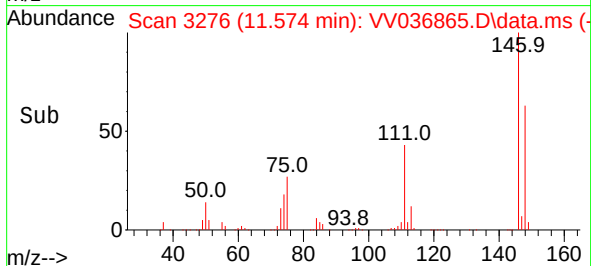
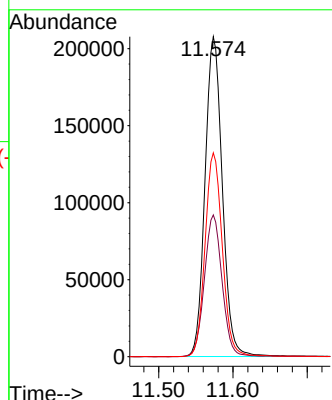
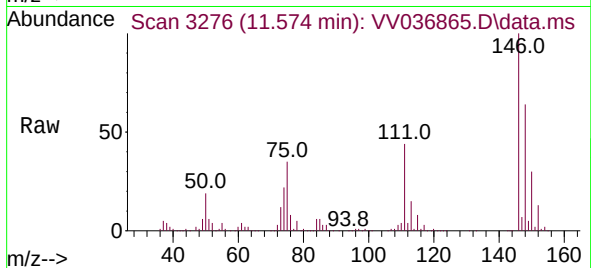
Tgt Ion:146 Resp: 335650

Ion Ratio Lower Upper

146 100

111 44.3 35.7 53.5

148 63.7 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 40.553 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

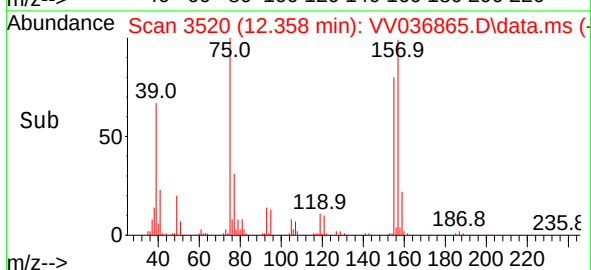
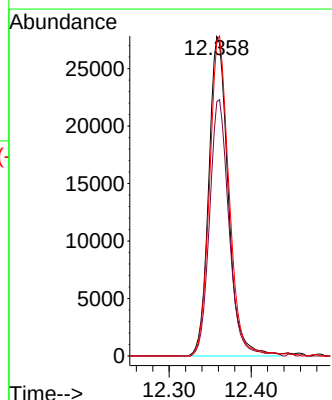
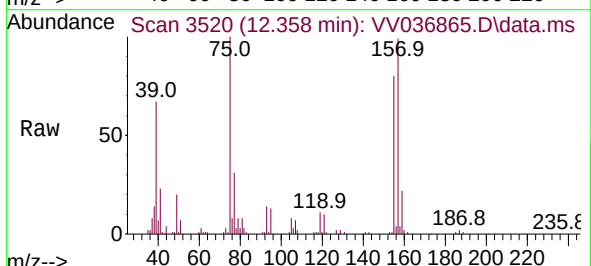
Tgt Ion: 75 Resp: 45702

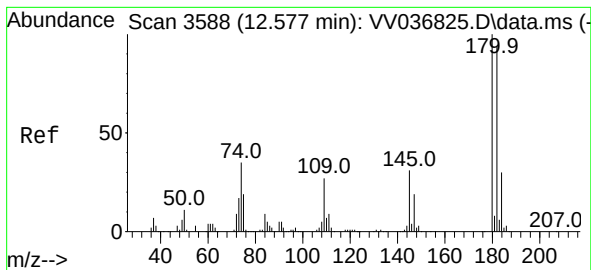
Ion Ratio Lower Upper

75 100

155 79.7 59.5 89.3

157 98.7 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 50.109 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

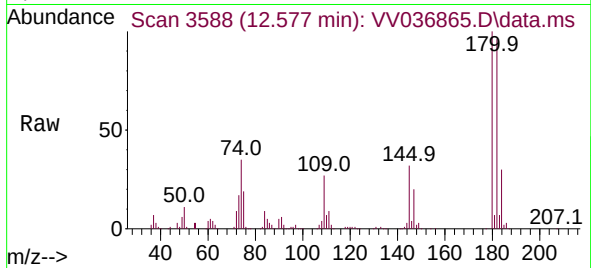
Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 241178

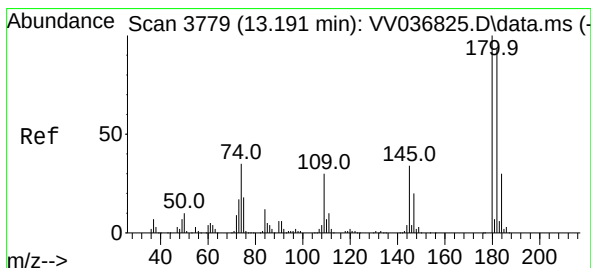
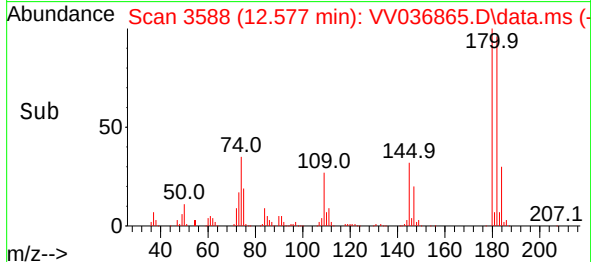
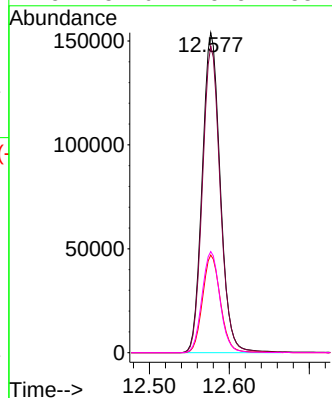
Ion Ratio Lower Upper

180 100

182 95.2 75.0 112.6

184 30.4 23.7 35.5

145 31.6 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 49.243 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.003 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

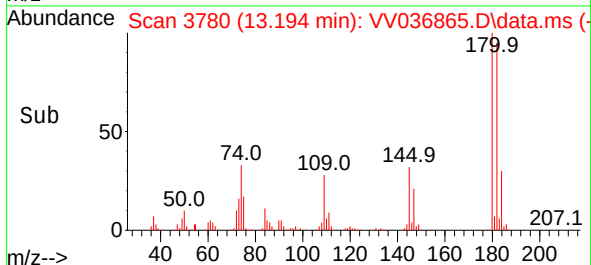
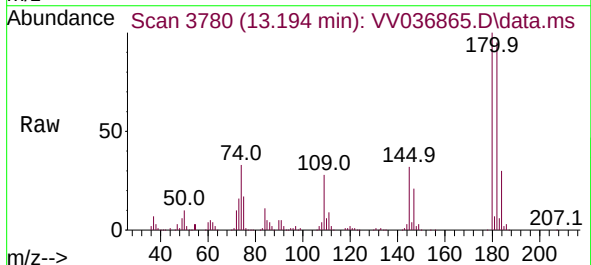
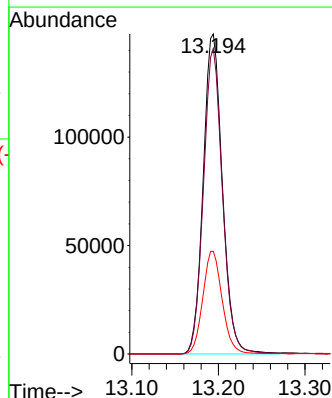
Tgt Ion:180 Resp: 227314

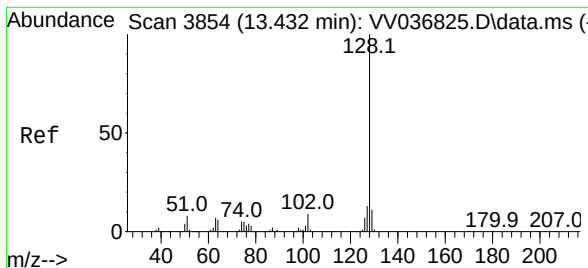
Ion Ratio Lower Upper

180 100

182 94.3 75.1 112.7

145 32.4 26.5 39.7





#71

Naphthalene

Concen: 43.778 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Instrument :

MSVOA_V

ClientSampleId :

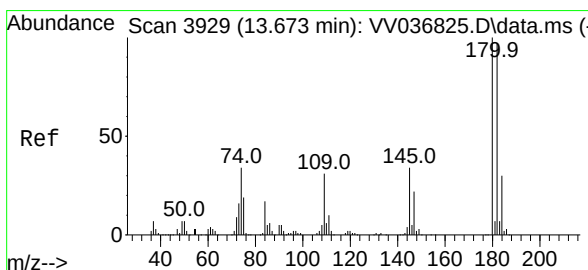
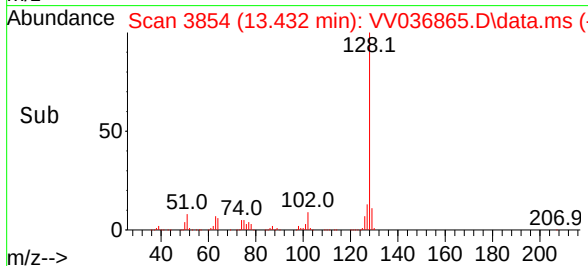
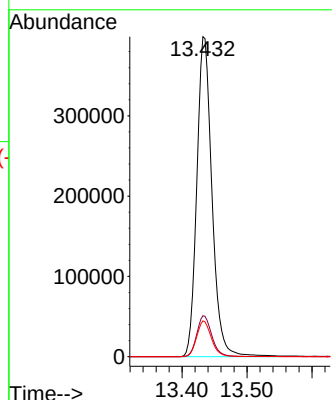
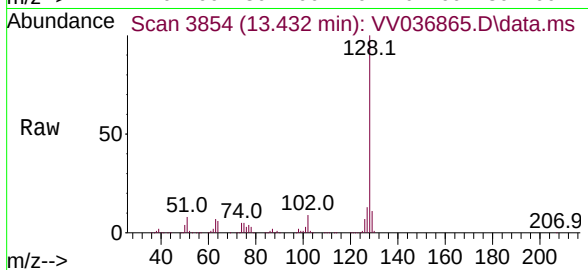
Tgt Ion:128 Resp: 648038

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 48.641 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV036865.D

Acq: 09 Aug 2024 09:57

Tgt Ion:180 Resp: 219790

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.2

145 34.7 27.8 41.6

