

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031924\
 Data File : VV034717.D
 Acq On : 18 Mar 2024 23:54
 Operator : SY/MD
 Sample : P1752-08MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 19 02:59:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 19 02:53:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	346443	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	330958	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.184	152	175154	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	163572	54.464	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.920%
7) Chloroethane-d5	1.529	69	125060	53.449	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.900%
11) 1,1-Dichloroethene-d2	2.059	65	67608	49.776	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.560%
21) 2-Butanone-d5	3.786	46	203317	101.232	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.230%
24) Chloroform-d	4.246	84	276014	51.979	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.960%
26) 1,2-Dichloroethane-d4	4.937	65	176691	50.919	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.840%
32) Benzene-d6	4.960	84	519755	52.036	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.080%
36) 1,2-Dichloropropane-d6	5.985	67	156213	51.247	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.500%
41) Toluene-d8	7.243	98	475512	52.606	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.220%
43) trans-1,3-Dichloroprop...	7.551	79	79566	51.979	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.960%
47) 2-Hexanone-d5	8.021	63	130455	85.703	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.700%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	212037	52.858	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.720%
66) 1,2-Dichlorobenzene-d4	11.557	152	179476	50.130	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.260%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.105	85	148680	40.914	ug/L	100
3) Chloromethane	1.214	50	145119	40.641	ug/L	97
5) Vinyl chloride	1.285	62	145997	42.121	ug/L	100
6) Bromomethane	1.487	94	88537	42.573	ug/L	100
8) Chloroethane	1.548	64	93857	45.558	ug/L	100
9) Trichlorofluoromethane	1.712	101	228011	43.927	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	125649	44.914	ug/L	97
12) 1,1-Dichloroethene	2.069	96	149072	57.465	ug/L	98
13) Acetone	2.117	43	232602	96.337	ug/L	98
14) Carbon disulfide	2.240	76	278392	38.668	ug/L	99
15) Methyl Acetate	2.371	43	163139	52.815	ug/L	94
16) Methylene chloride	2.445	84	133989	48.693	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	116581	46.431	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	466163	51.699	ug/L	99
19) 1,1-Dichloroethane	3.111	63	263518	53.576	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	136485	50.099	ug/L	97
22) 2-Butanone	3.866	43	215001	90.177	ug/L	97
23) Bromochloromethane	4.146	128	71967	51.087	ug/L	97
25) Chloroform	4.275	83	253865	49.796	ug/L	99

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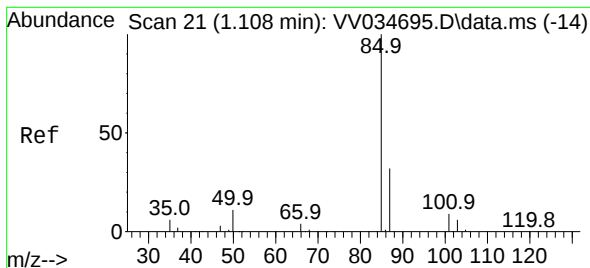
Quant Time: Mar 19 02:59:03 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	212123	51.212	ug/L	99
29) Cyclohexane	4.580	56	186782	42.907	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	243517	51.311	ug/L	99
31) Carbon tetrachloride	4.731	117	195394	46.503	ug/L	99
33) Benzene	5.008	78	506194	49.275	ug/L	100
34) Trichloroethene	5.831	95	134487	46.055	ug/L	96
35) Methylcyclohexane	6.050	83	188220	42.398	ug/L	100
37) 1,2-Dichloropropane	6.091	63	140841	52.366	ug/L	100
38) Bromodichloromethane	6.429	83	194177	51.327	ug/L	97
39) cis-1,3-Dichloropropene	6.953	75	222397	51.037	ug/L	96
40) 4-Methyl-2-pentanone	7.156	43	434309	109.511	ug/L	99
42) Toluene	7.313	91	537981	49.482	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	210674	50.268	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	140262	54.050	ug/L	99
46) Tetrachloroethene	7.905	164	97921	45.090	ug/L	98
48) 2-Hexanone	8.072	43	334937	105.986	ug/L	99
49) Dibromochloromethane	8.175	129	143581	52.431	ug/L	100
50) 1,2-Dibromoethane	8.281	107	143015	51.935	ug/L	98
51) Chlorobenzene	8.812	112	354345	50.414	ug/L	100
52) Ethylbenzene	8.943	91	609739	50.051	ug/L	99
53) m,p-Xylene	9.072	106	226234	48.938	ug/L	100
54) o-Xylene	9.477	106	227567	50.271	ug/L	100
55) Styrene	9.493	104	398333	51.971	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	216146	55.455	ug/L	100
59) Bromoform	9.664	173	101132	52.078	ug/L	99
60) Isopropylbenzene	9.866	105	620704	50.106	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	176934	52.919	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	515847	49.365	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	519073	50.224	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	285495	49.846	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	285609	49.104	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	287459	50.086	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	52059	52.270	ug/L	100
69) 1,3,5-Trichlorobenzene	12.580	180	197575	45.982	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	175528	45.400	ug/L	99
71) Naphthalene	13.438	128	438872	42.436	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	179246	47.524	ug/L	98

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

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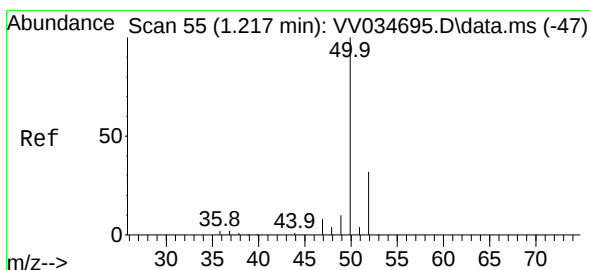
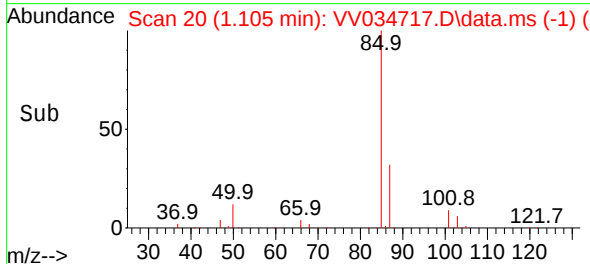
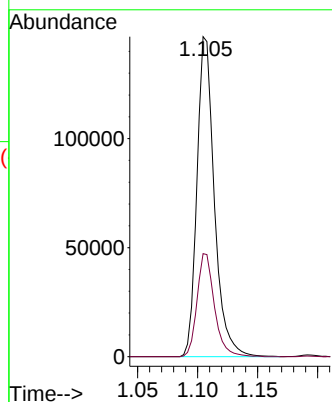
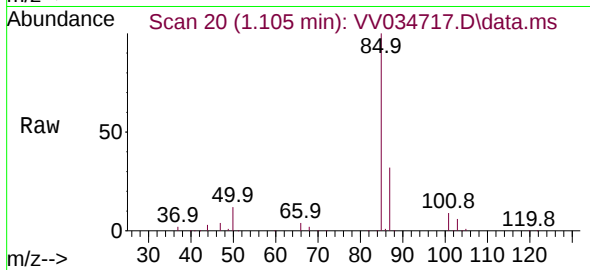




#2
 Dichlorodifluoromethane
 Concen: 40.914 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV034717.D
 Acq: 18 Mar 2024 23:54

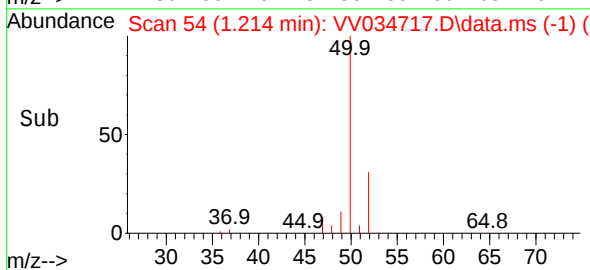
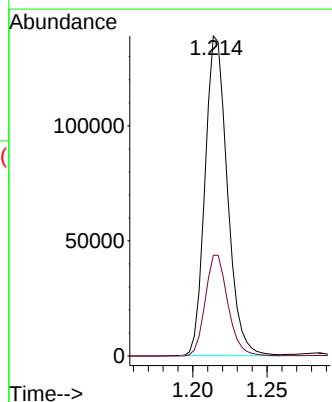
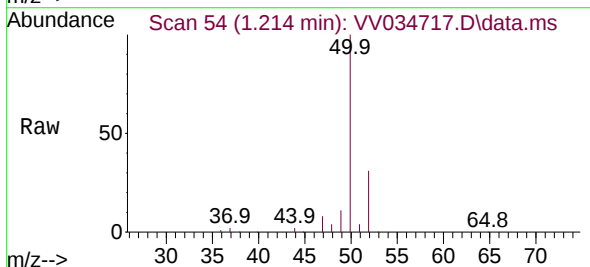
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 MSVOA_V
 ClientSampleId :

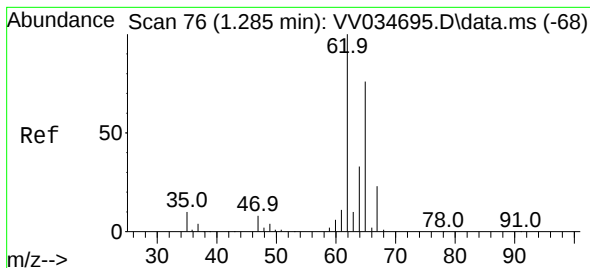
Tgt Ion: 85 Resp: 148680
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.5 38.3



#3
 Chloromethane
 Concen: 40.641 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV034717.D
 Acq: 18 Mar 2024 23:54

Tgt Ion: 50 Resp: 145119
 Ion Ratio Lower Upper
 50 100
 52 31.5 23.0 42.8





#5

Vinyl chloride

Concen: 42.121 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

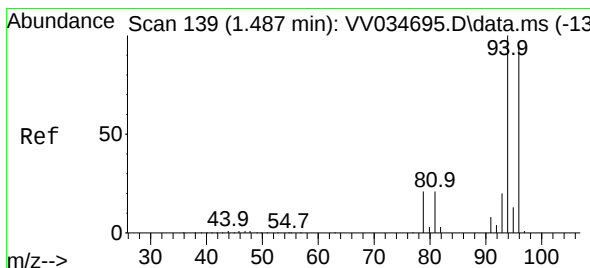
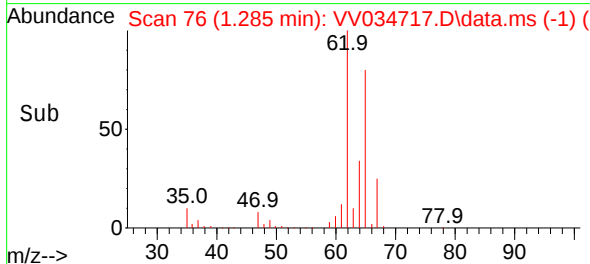
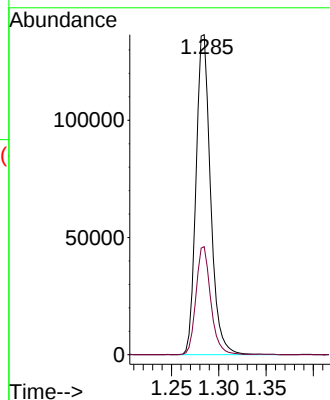
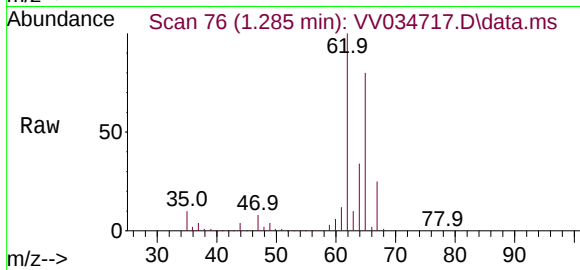
ClientSampleId :

Tgt Ion: 62 Resp: 145997

Ion Ratio Lower Upper

62 100

64 33.8 23.4 43.6



#6

Bromomethane

Concen: 42.573 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV034717.D

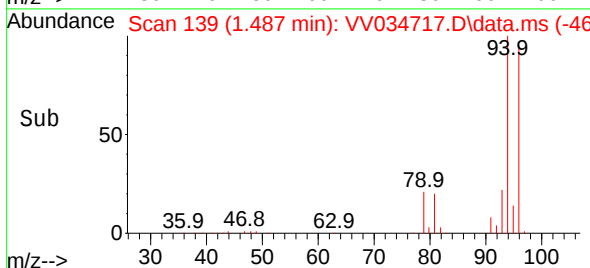
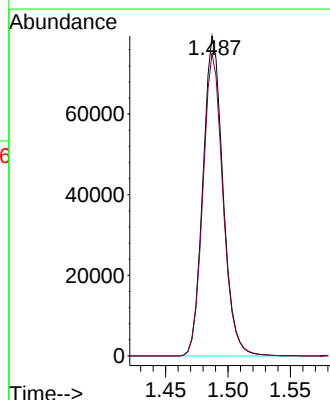
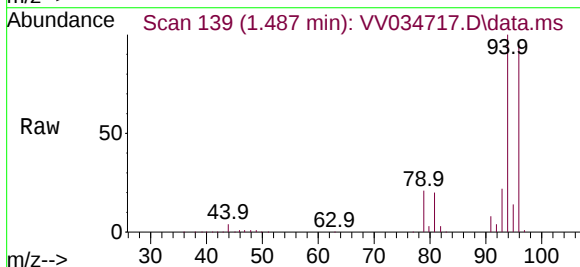
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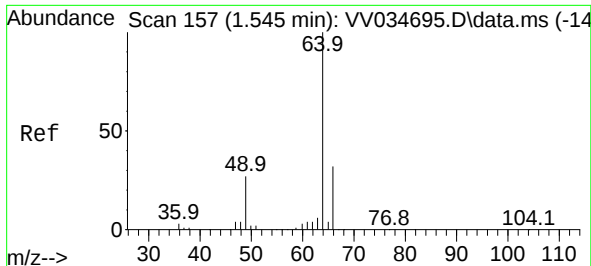
Tgt Ion: 94 Resp: 88537

Ion Ratio Lower Upper

94 100

96 94.5 66.0 122.6

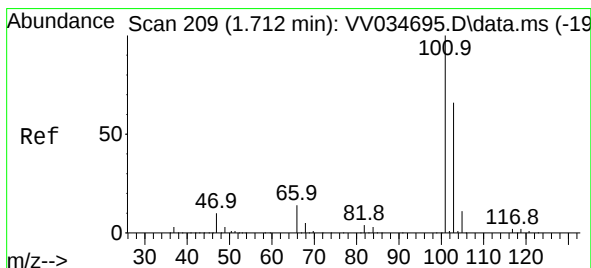
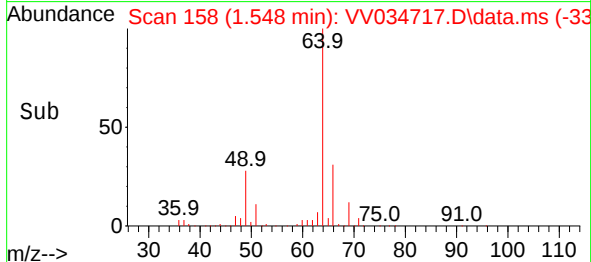
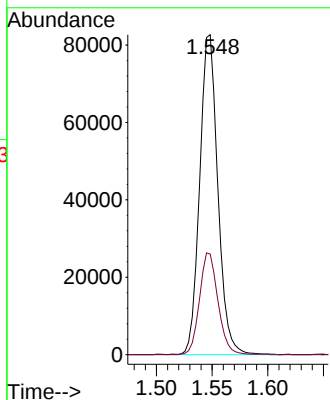
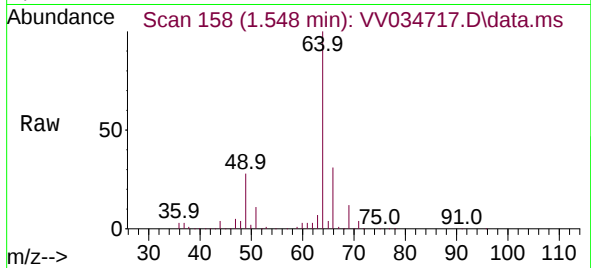




#8
Chloroethane
Concen: 45.558 ug/L
RT: 1.548 min Scan# 157
Delta R.T. 0.003 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

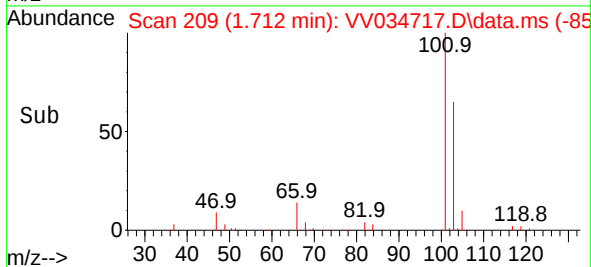
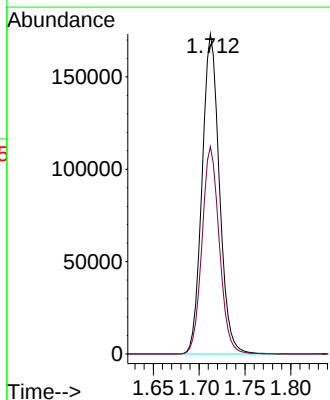
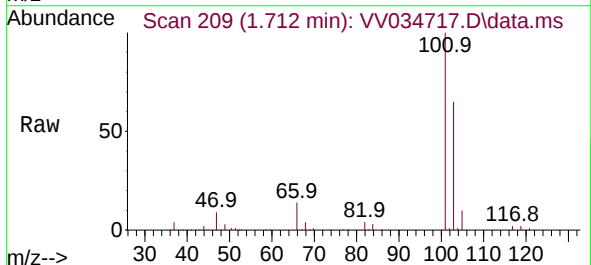
Instrument :
MSVOA_V
ClientSampleId :

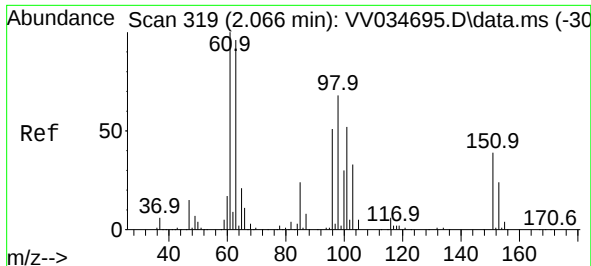
Tgt Ion: 64 Resp: 93857
Ion Ratio Lower Upper
64 100
66 31.5 22.0 40.8



#9
Trichlorofluoromethane
Concen: 43.927 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

Tgt Ion:101 Resp: 228011
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8

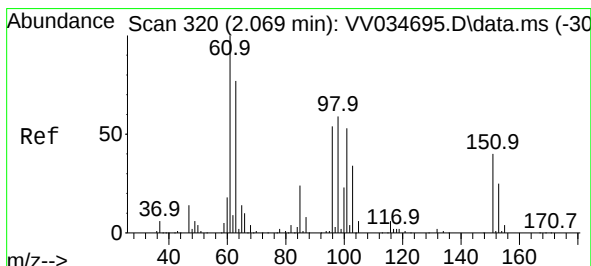
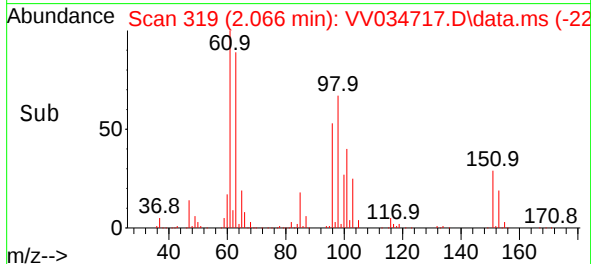
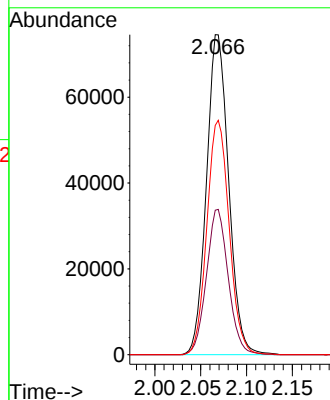
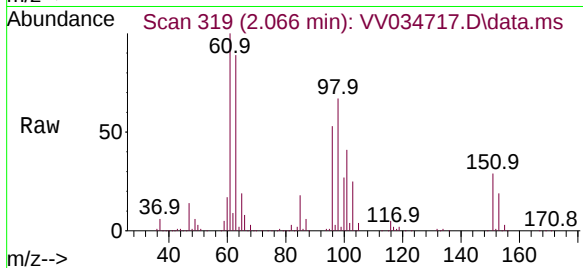




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.914 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV034717.D
 Acq: 18 Mar 2024 23:54

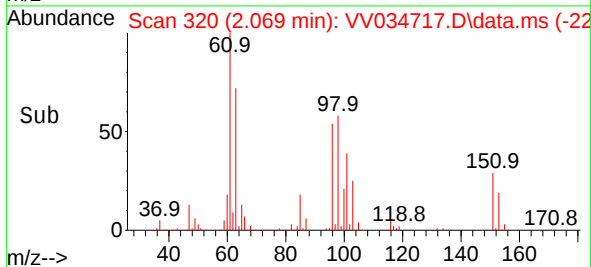
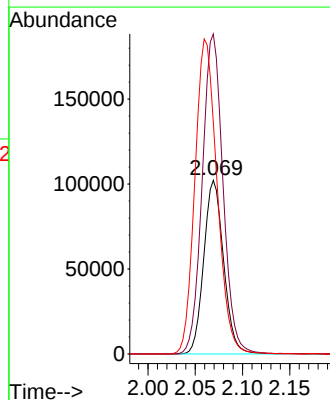
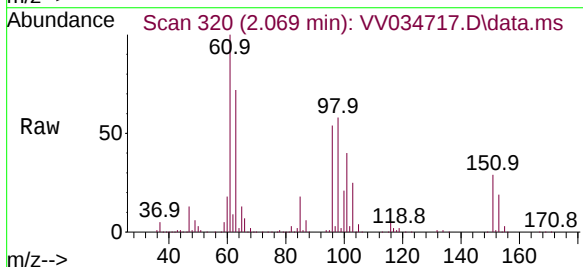
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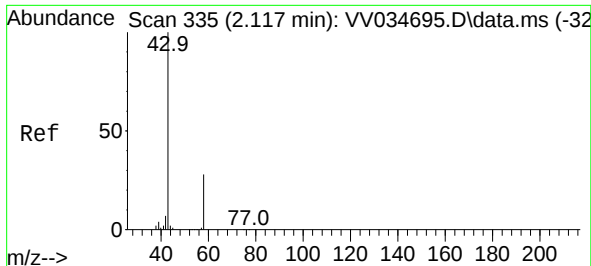
Tgt Ion:101 Resp: 125649
 Ion Ratio Lower Upper
 101 100
 85 44.7 37.4 56.0
 151 73.5 61.4 92.2



#12
 1,1-Dichloroethene
 Concen: 57.465 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV034717.D
 Acq: 18 Mar 2024 23:54

Tgt Ion: 96 Resp: 149072
 Ion Ratio Lower Upper
 96 100
 61 184.3 128.9 239.3
 63 133.5 98.0 182.0





#13

Acetone

Concen: 96.337 ug/L

RT: 2.117 min Scan# 335

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

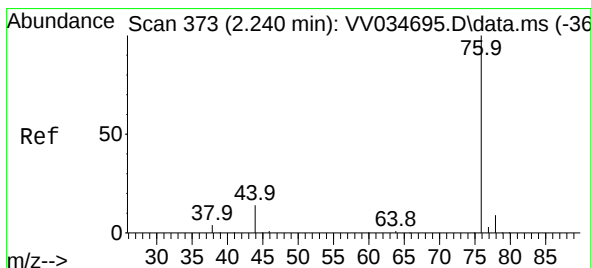
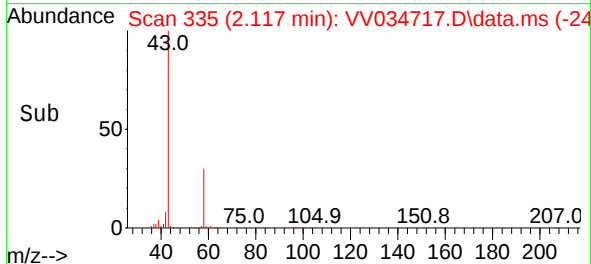
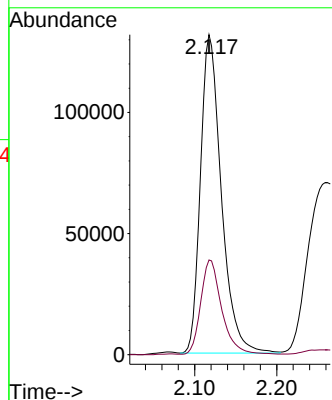
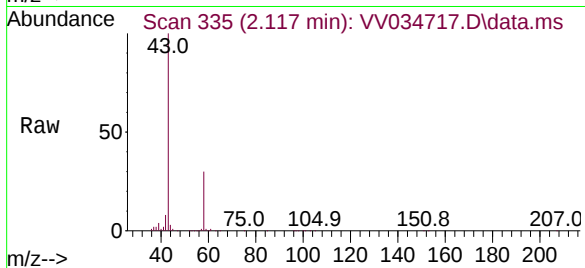
ClientSampleId :

Tgt Ion: 43 Resp: 232602

Ion Ratio Lower Upper

43 100

58 29.5 0.0 57.2



#14

Carbon disulfide

Concen: 38.668 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV034717.D

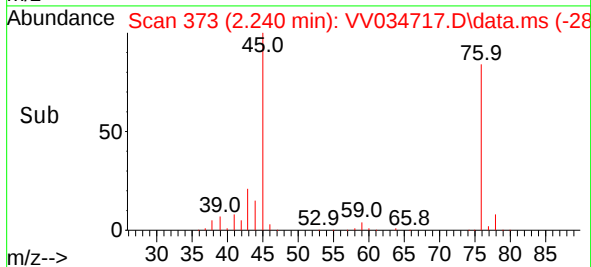
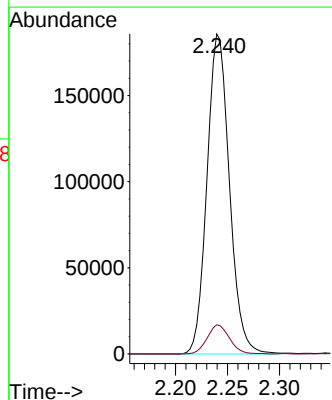
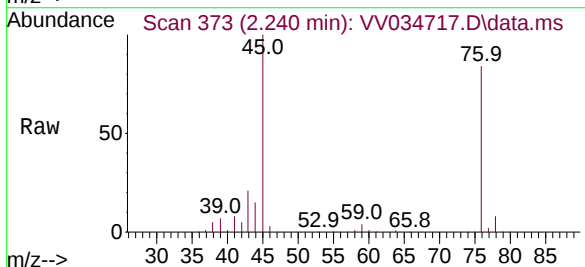
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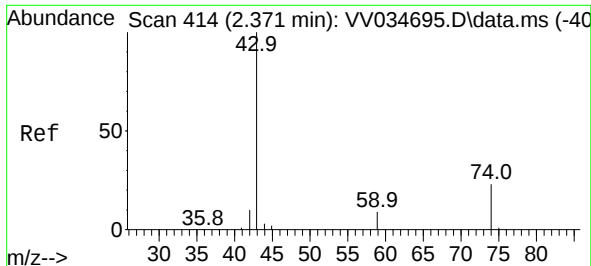
Tgt Ion: 76 Resp: 278392

Ion Ratio Lower Upper

76 100

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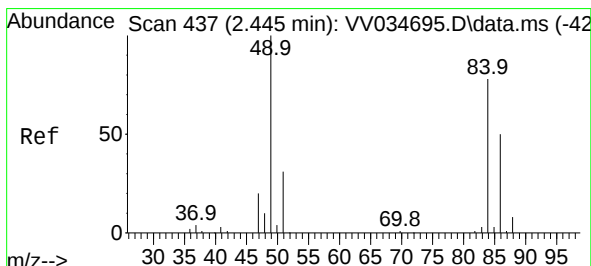
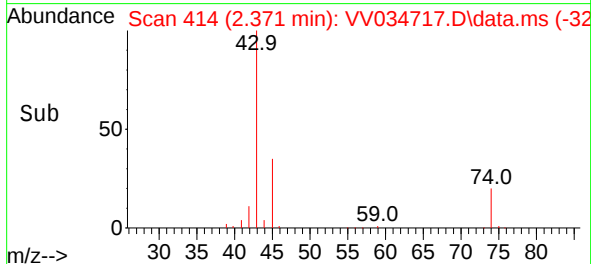
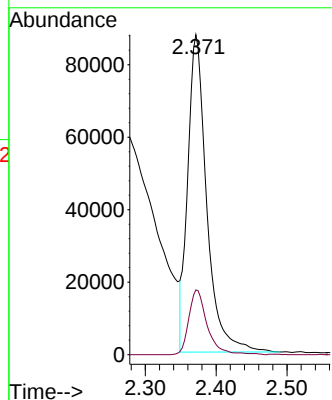
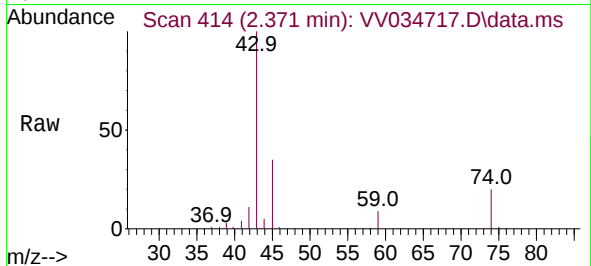




#15
Methyl Acetate
Concen: 52.815 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

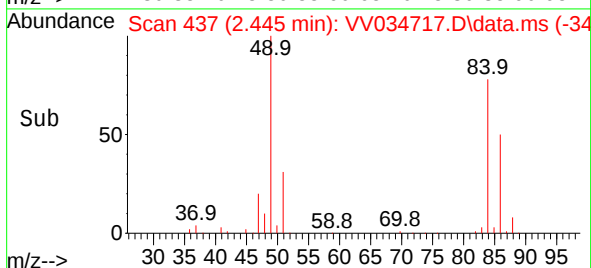
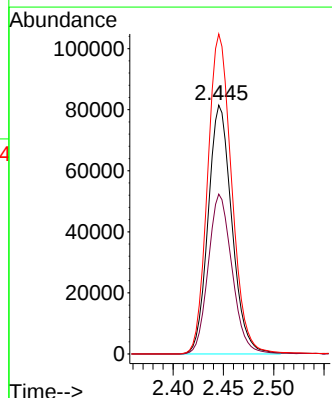
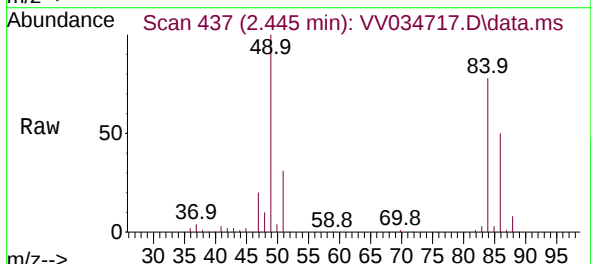
Instrument :
MSVOA_V
ClientSampleId :

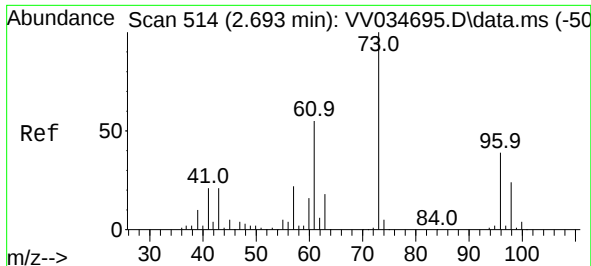
Tgt Ion: 43 Resp: 163139
Ion Ratio Lower Upper
43 100
74 19.4 17.8 26.8



#16
Methylene chloride
Concen: 48.693 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

Tgt Ion: 84 Resp: 133989
Ion Ratio Lower Upper
84 100
86 64.2 45.6 84.6
49 128.6 92.3 171.3

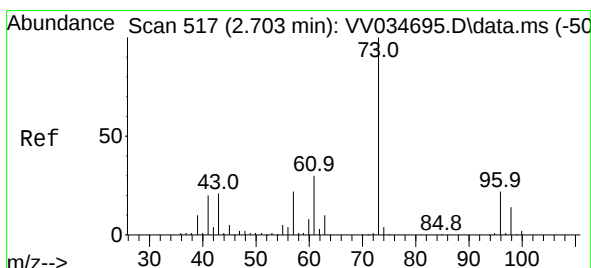
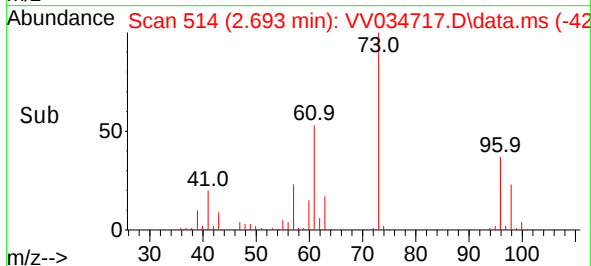
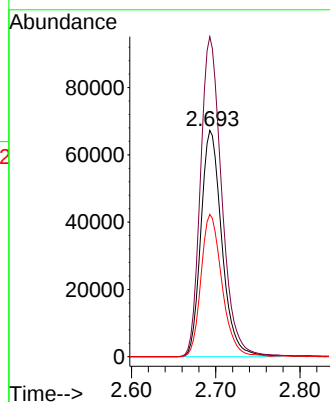
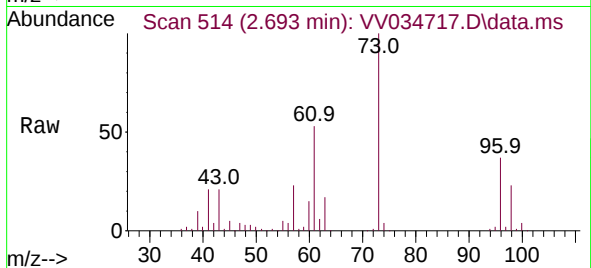




#17
trans-1,2-Dichloroethene
Concen: 46.431 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

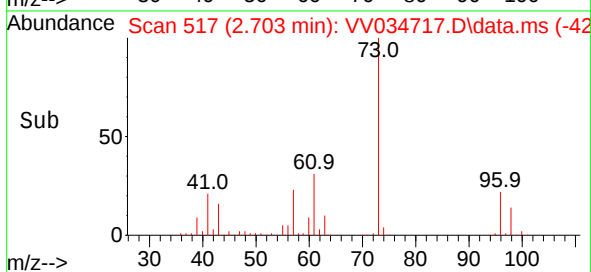
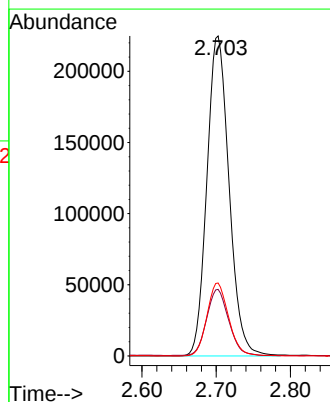
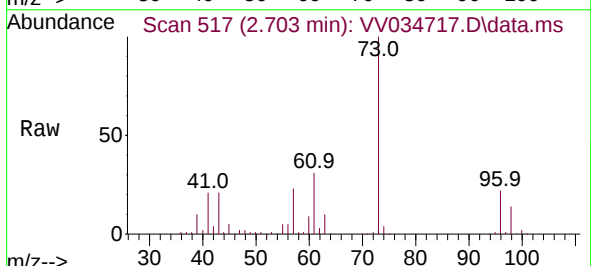
Instrument :
MSVOA_V
ClientSampleId :

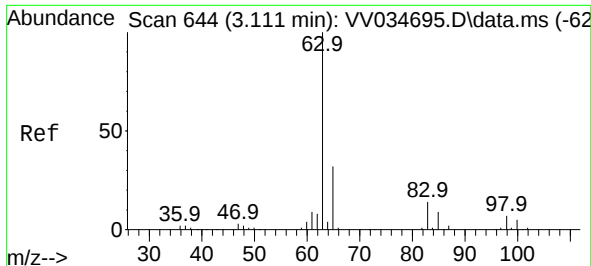
Tgt Ion: 96 Resp: 116581
Ion Ratio Lower Upper
96 100
61 141.5 98.8 183.4
98 62.9 46.1 85.5



#18
Methyl tert-butyl Ether
Concen: 51.699 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

Tgt Ion: 73 Resp: 466163
Ion Ratio Lower Upper
73 100
43 20.4 17.1 25.7
57 22.3 17.6 26.4





#19

1,1-Dichloroethane

Concen: 53.576 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

ClientSampleId :

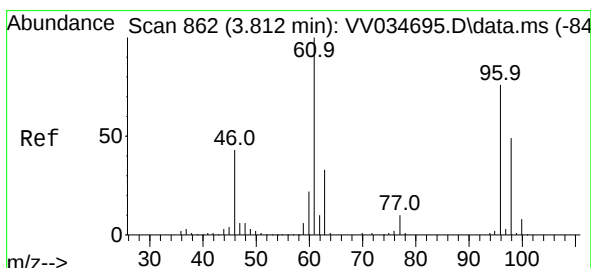
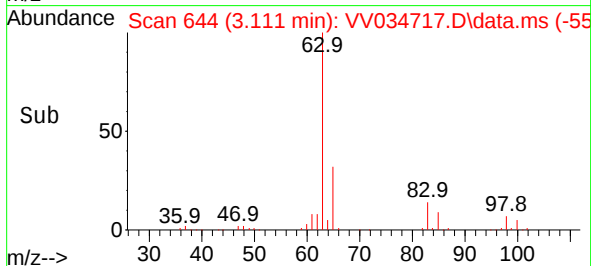
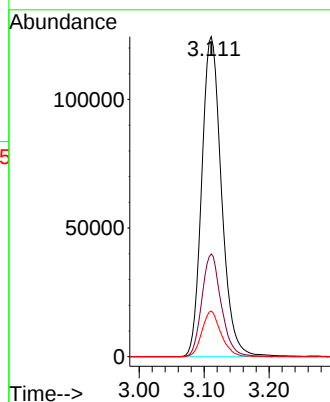
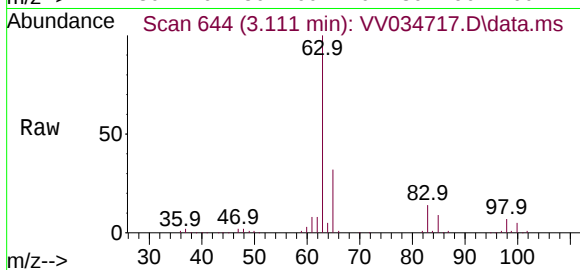
Tgt Ion: 63 Resp: 263518

Ion Ratio Lower Upper

63 100

65 32.1 22.1 41.1

83 14.2 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 50.099 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

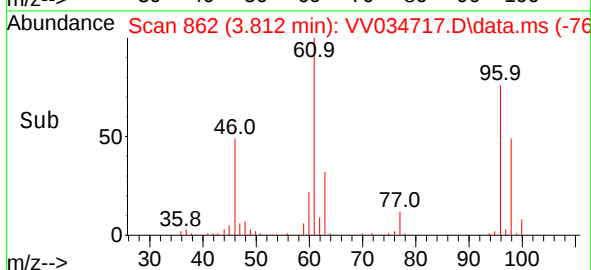
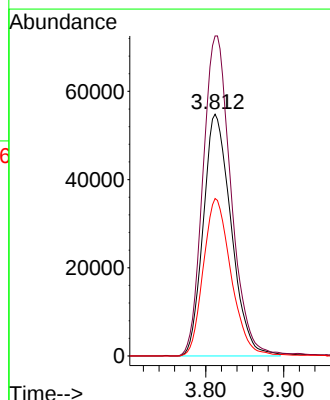
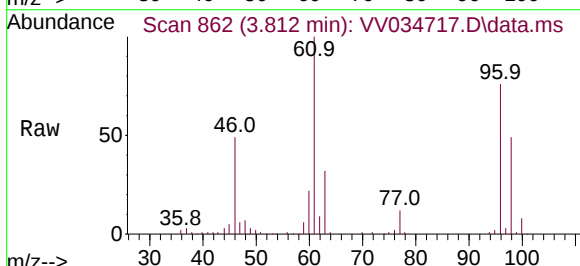
Tgt Ion: 96 Resp: 136485

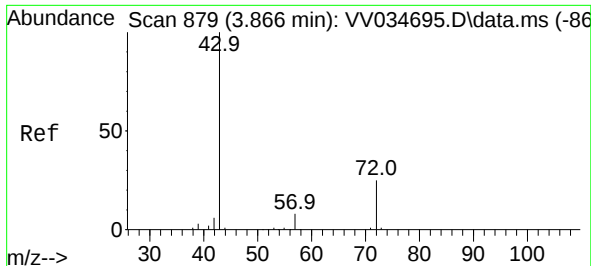
Ion Ratio Lower Upper

96 100

61 132.3 96.0 178.4

98 65.1 46.0 85.4





#22

2-Butanone

Concen: 90.177 ug/L

RT: 3.866 min Scan# 879

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

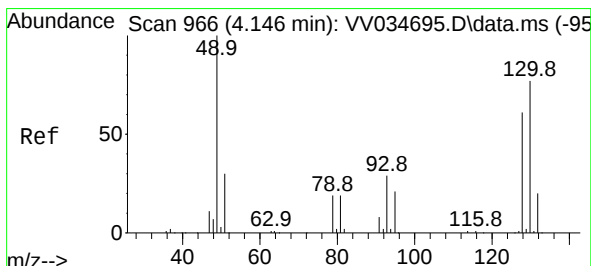
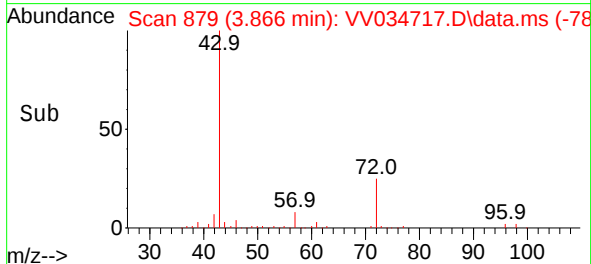
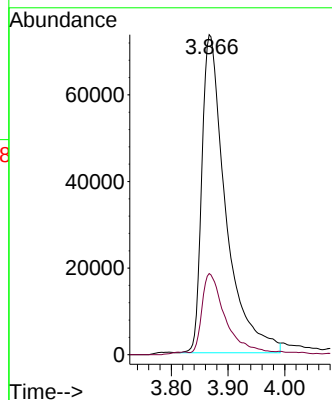
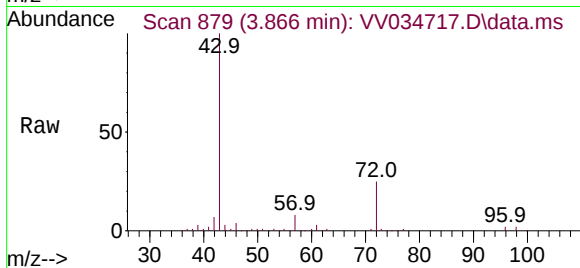
ClientSampleId :

Tgt Ion: 43 Resp: 215001

Ion Ratio Lower Upper

43 100

72 24.2 11.5 34.4



#23

Bromochloromethane

Concen: 51.087 ug/L

RT: 4.146 min Scan# 966

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Tgt Ion: 128 Resp: 71967

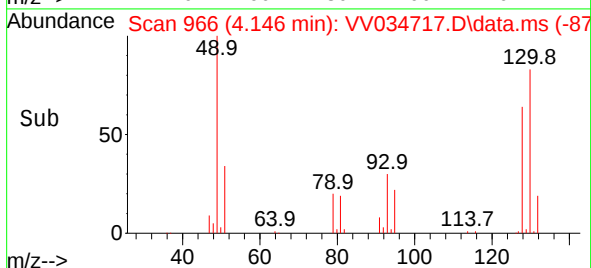
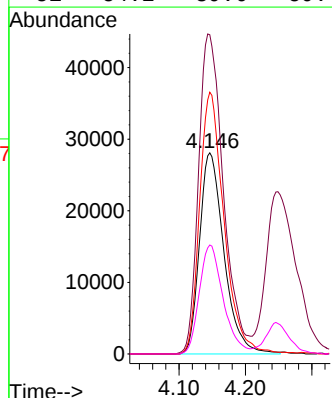
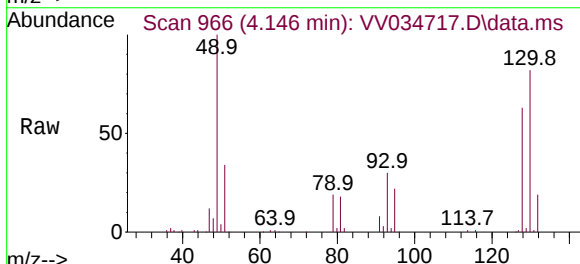
Ion Ratio Lower Upper

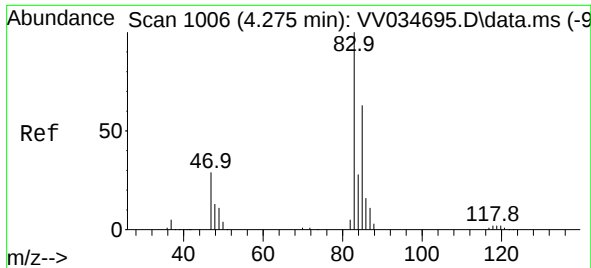
128 100

49 158.6 109.4 203.2

130 130.1 87.7 162.9

51 54.2 39.6 59.4





#25

Chloroform

Concen: 49.796 ug/L

RT: 4.275 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

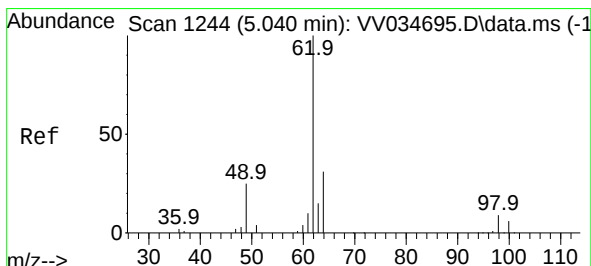
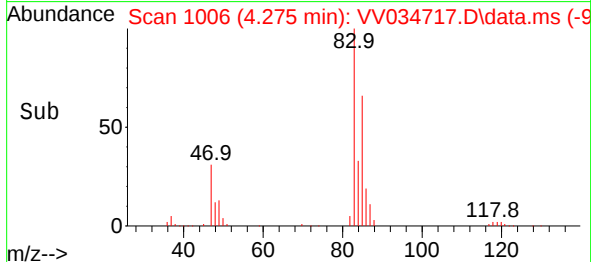
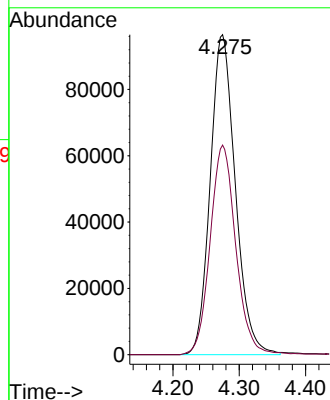
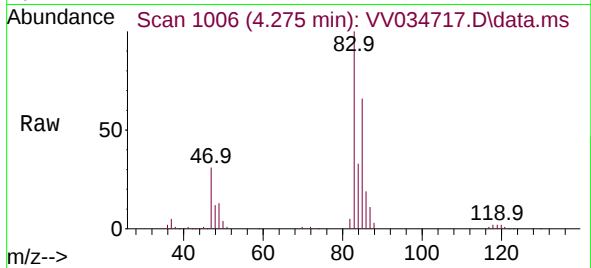
ClientSampleId :

Tgt Ion: 83 Resp: 253865

Ion Ratio Lower Upper

83 100

85 65.5 45.5 84.5



#27

1,2-Dichloroethane

Concen: 51.212 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.000 min

Lab File: VV034717.D

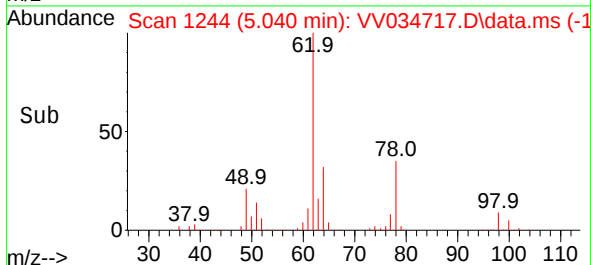
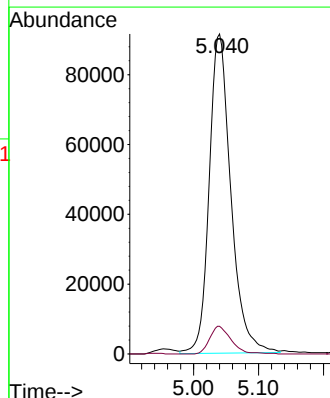
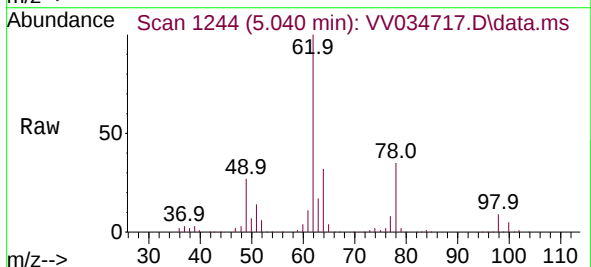
Acq: 18 Mar 2024 23:54

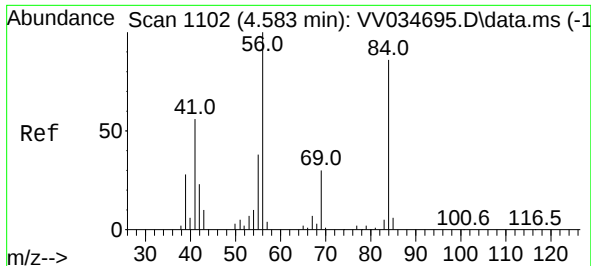
Tgt Ion: 62 Resp: 212123

Ion Ratio Lower Upper

62 100

98 8.6 6.6 10.0





#29

Cyclohexane

Concen: 42.907 ug/L

RT: 4.580 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

ClientSampleId :

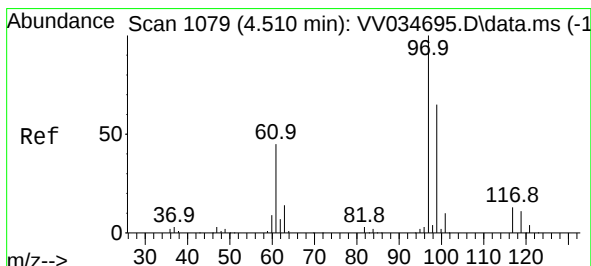
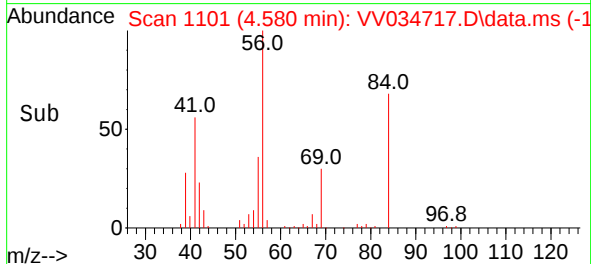
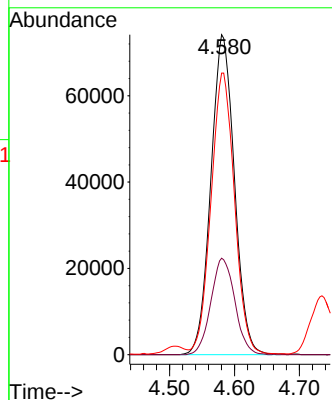
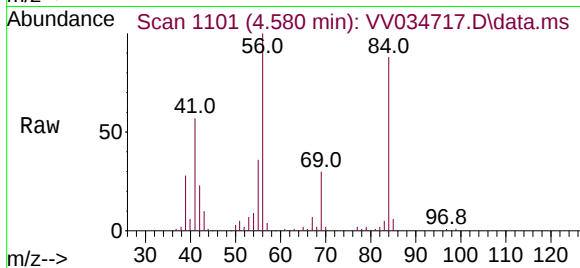
Tgt Ion: 56 Resp: 186782

Ion Ratio Lower Upper

56 100

69 30.6 24.2 36.4

84 87.4 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 51.311 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

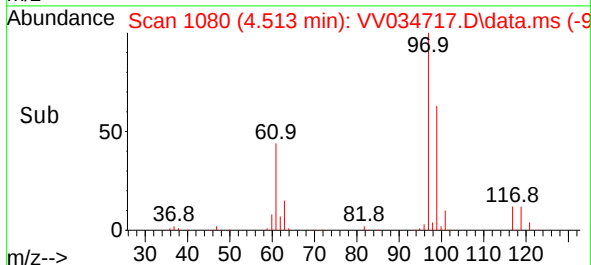
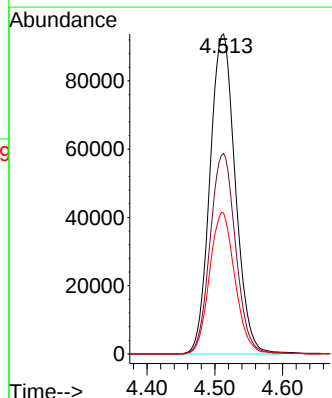
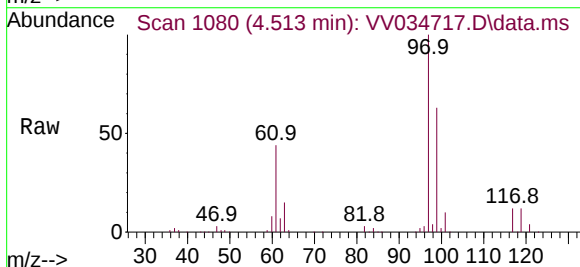
Tgt Ion: 97 Resp: 243517

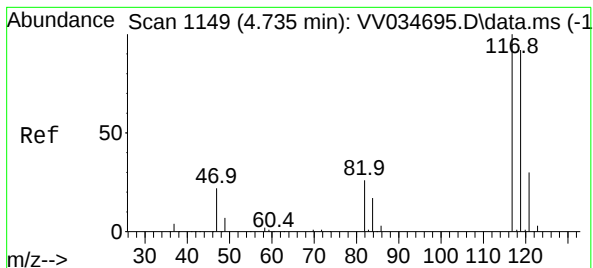
Ion Ratio Lower Upper

97 100

99 63.0 51.3 76.9

61 44.5 36.0 54.0





#31

Carbon tetrachloride

Concen: 46.503 ug/L

RT: 4.731 min Scan# 1149

Delta R.T. -0.003 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

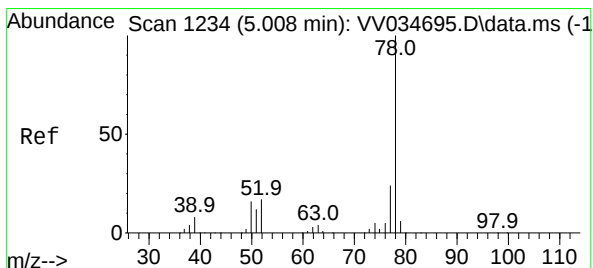
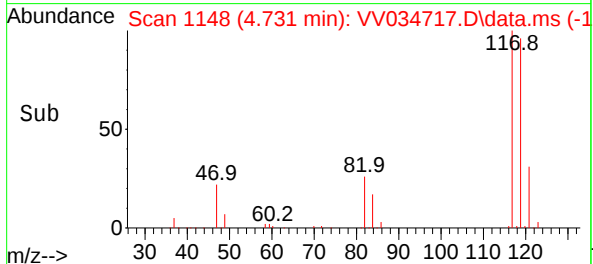
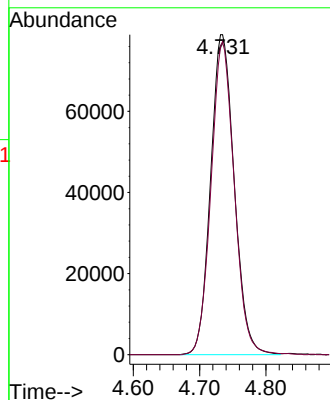
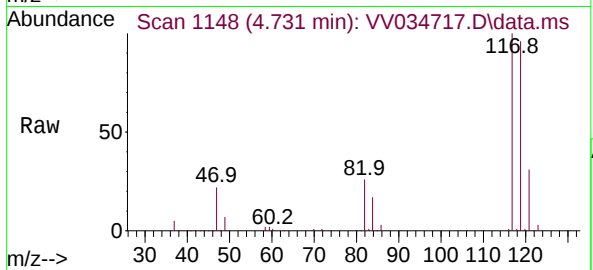
ClientSampleId :

Tgt Ion:117 Resp: 195394

Ion Ratio Lower Upper

117 100

119 96.0 77.5 116.3



#33

Benzene

Concen: 49.275 ug/L

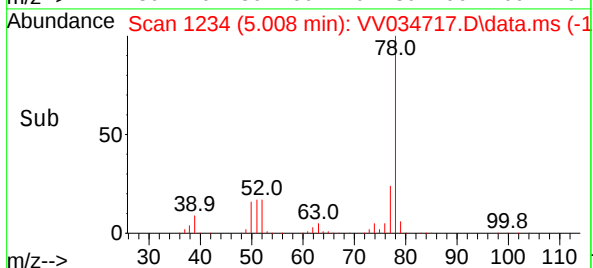
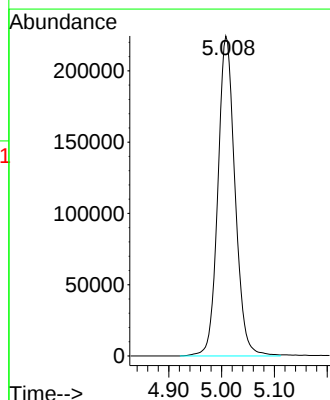
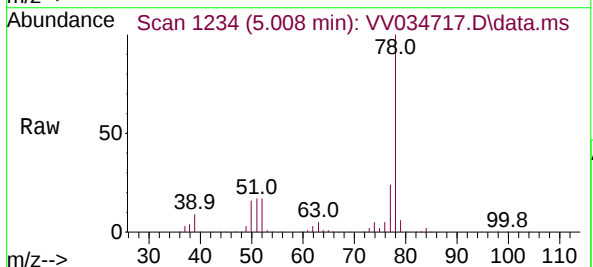
RT: 5.008 min Scan# 1234

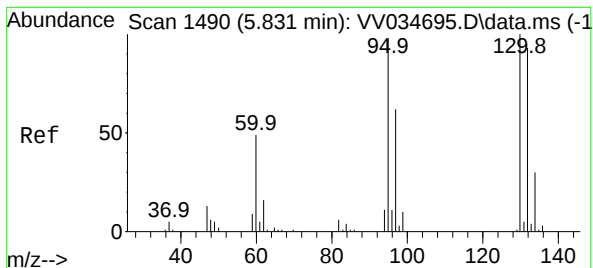
Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Tgt Ion: 78 Resp: 506194





#34

Trichloroethene

Concen: 46.055 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 134487

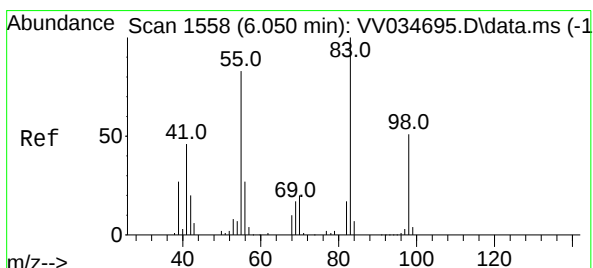
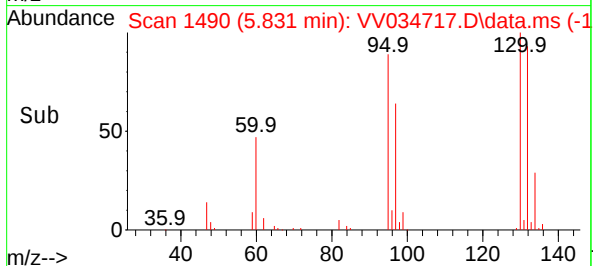
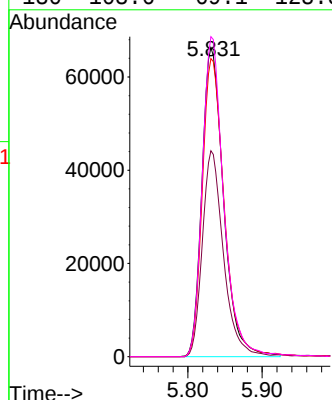
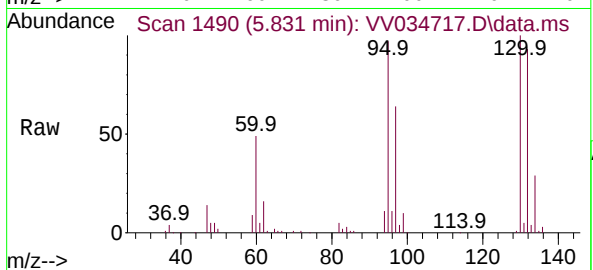
Ion Ratio Lower Upper

95 100

97 66.7 44.7 83.1

132 96.5 65.3 121.3

130 103.6 69.1 128.3



#35

Methylcyclohexane

Concen: 42.398 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

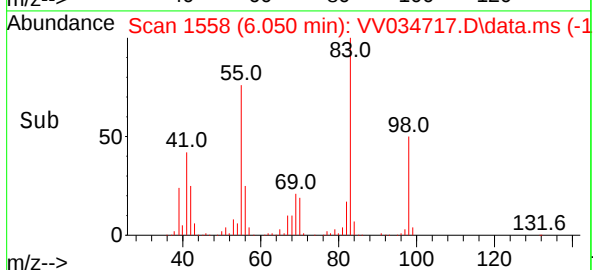
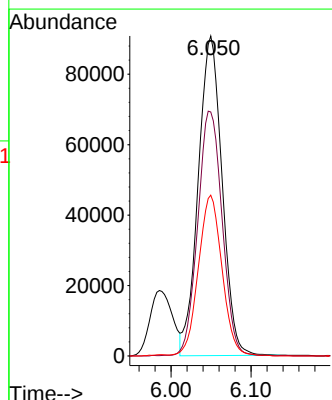
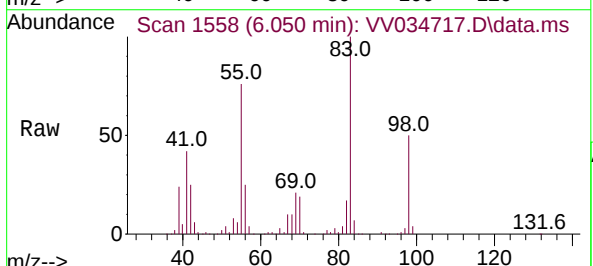
Tgt Ion: 83 Resp: 188220

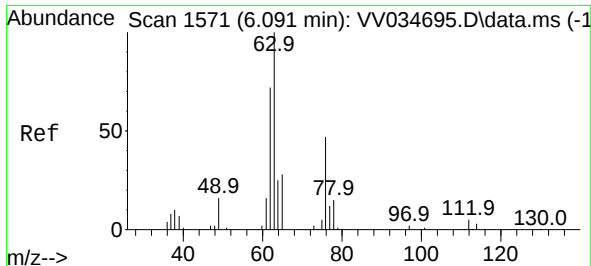
Ion Ratio Lower Upper

83 100

55 78.4 62.6 94.0

98 49.9 39.5 59.3

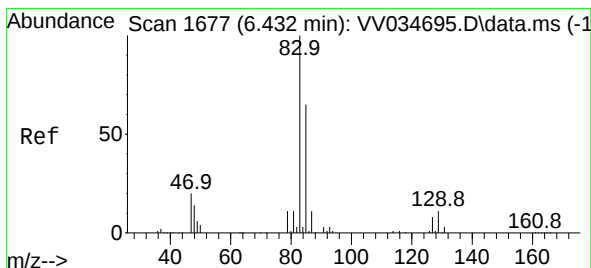
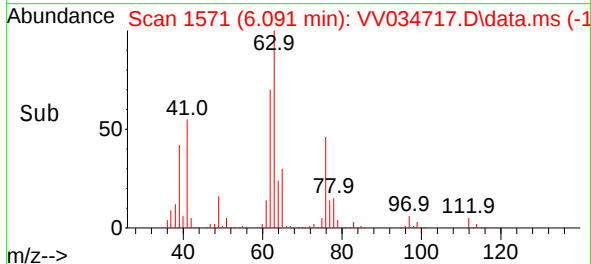
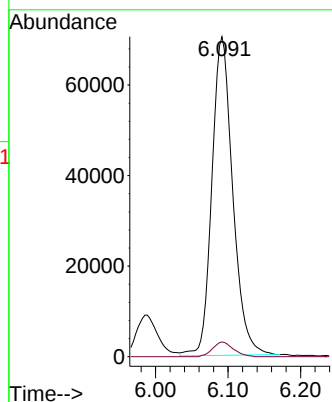
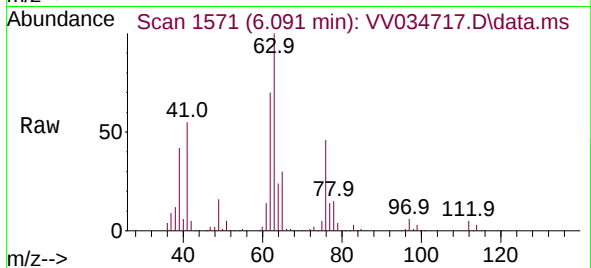




#37
1,2-Dichloropropane
Concen: 52.366 ug/L
RT: 6.091 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

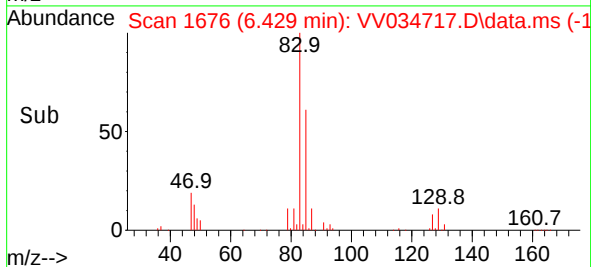
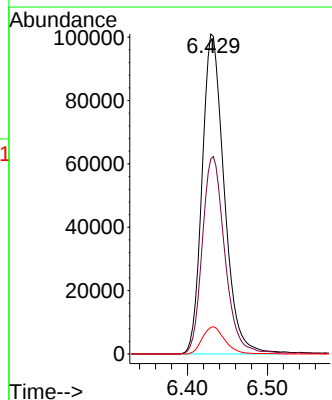
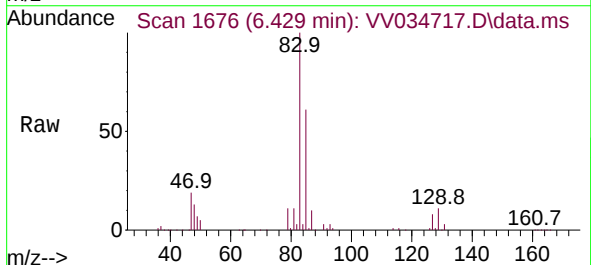
Instrument :
MSVOA_V
ClientSampleId :

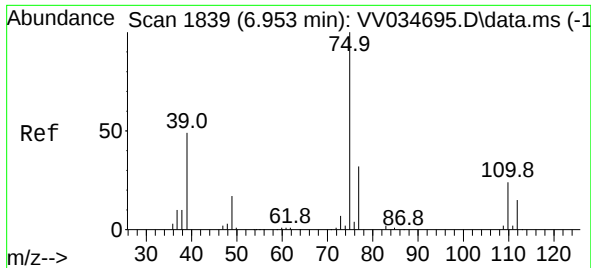
Tgt Ion: 63 Resp: 140841
Ion Ratio Lower Upper
63 100
112 4.6 3.5 5.3



#38
Bromodichloromethane
Concen: 51.327 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. -0.003 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

Tgt Ion: 83 Resp: 194177
Ion Ratio Lower Upper
83 100
85 60.9 44.6 82.8
127 8.3 6.9 10.3

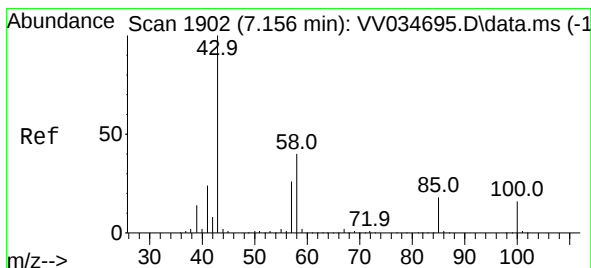
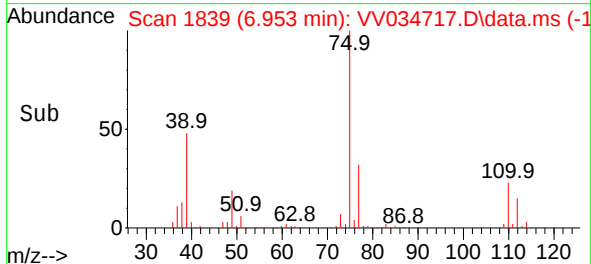
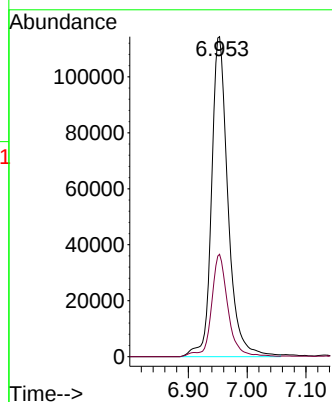
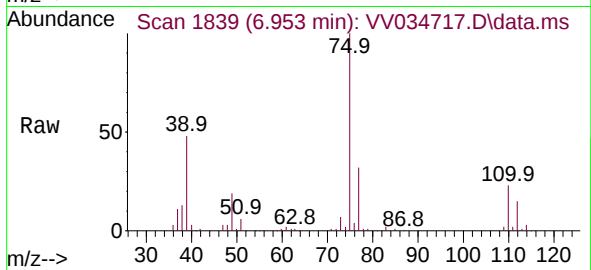




#39
cis-1,3-Dichloropropene
Concen: 51.037 ug/L
RT: 6.953 min Scan# 1839
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

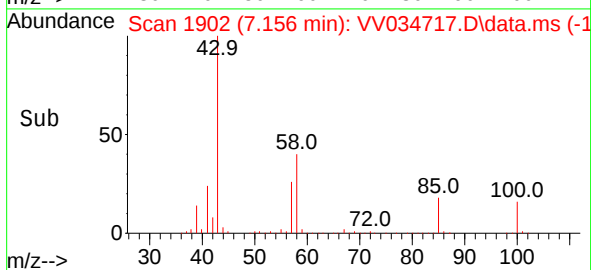
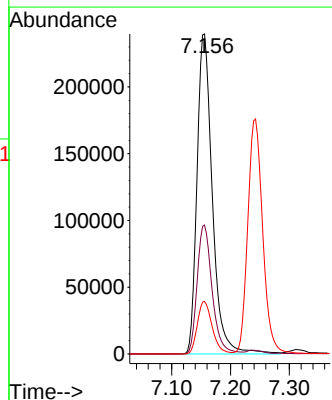
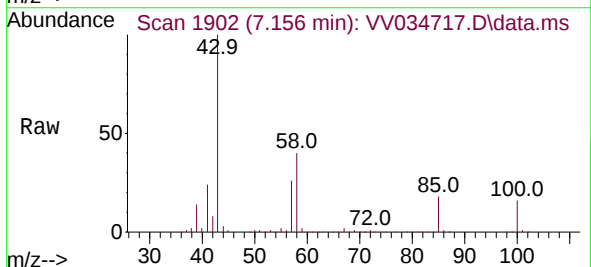
Instrument :
MSVOA_V
ClientSampleId :

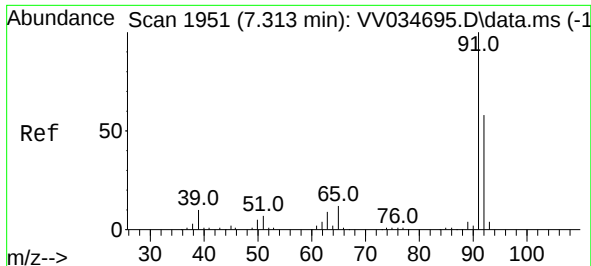
Tgt Ion: 75 Resp: 222397
Ion Ratio Lower Upper
75 100
77 32.0 20.9 38.9



#40
4-Methyl-2-pentanone
Concen: 109.511 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

Tgt Ion: 43 Resp: 434309
Ion Ratio Lower Upper
43 100
58 39.3 30.6 46.0
100 15.8 12.5 18.7





#42

Toluene

Concen: 49.482 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

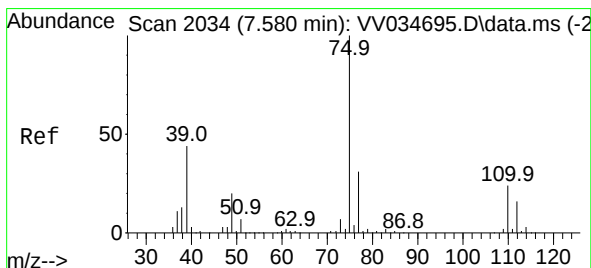
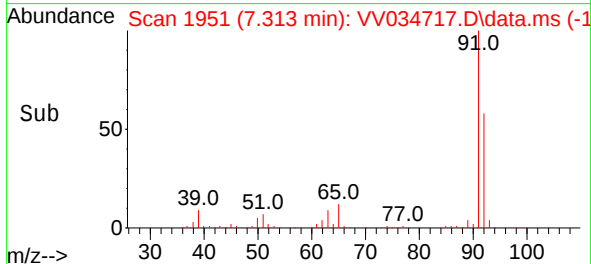
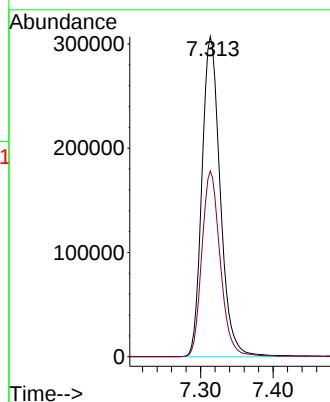
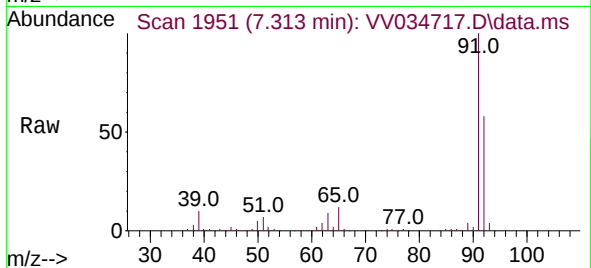
ClientSampleId :

Tgt Ion: 91 Resp: 537981

Ion Ratio Lower Upper

91 100

92 58.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 50.268 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.000 min

Lab File: VV034717.D

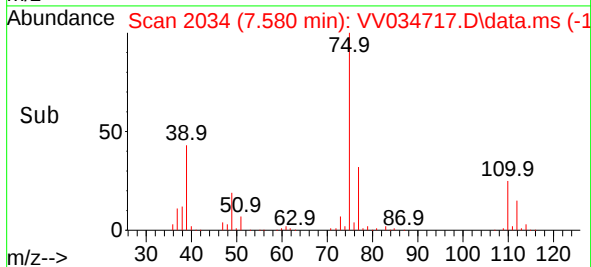
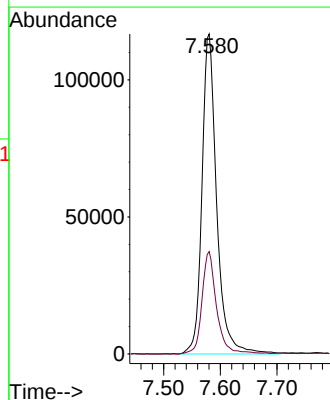
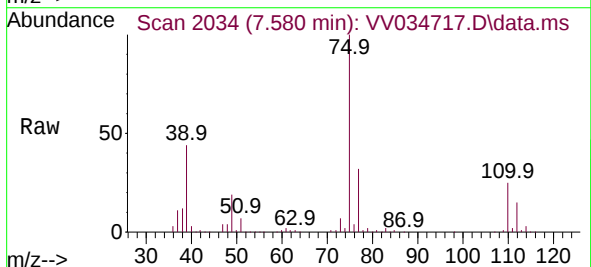
Acq: 18 Mar 2024 23:54

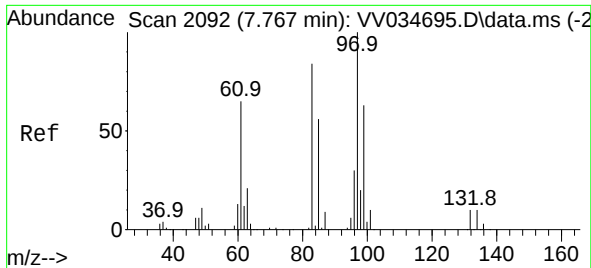
Tgt Ion: 75 Resp: 210674

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.4

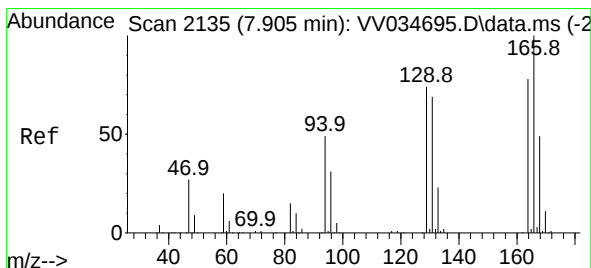
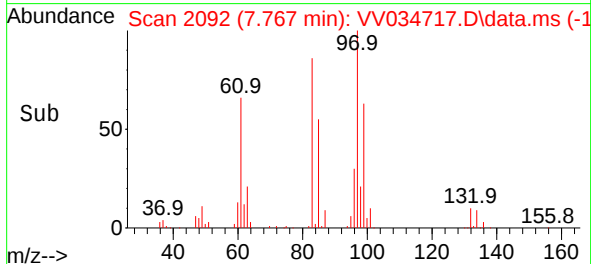
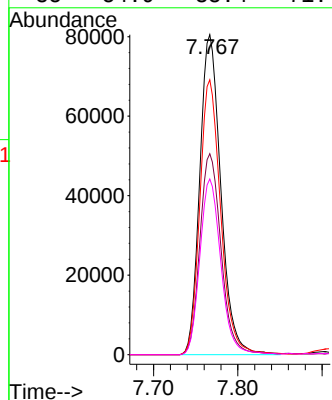
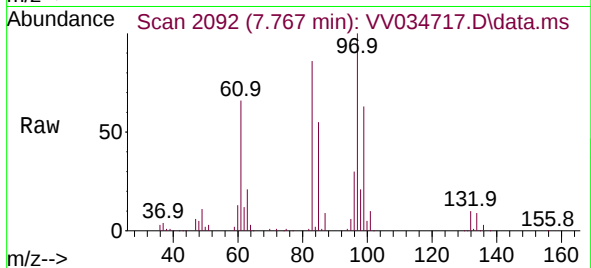




#45
1,1,2-Trichloroethane
Concen: 54.050 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

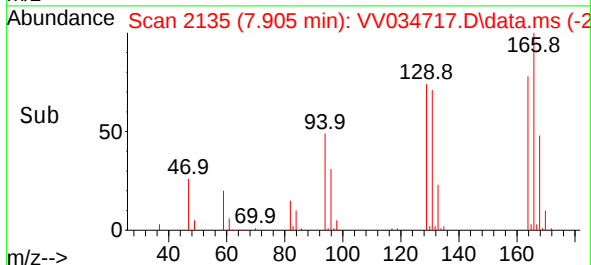
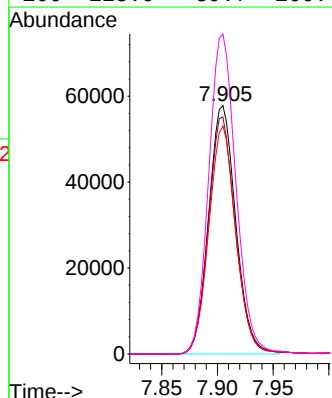
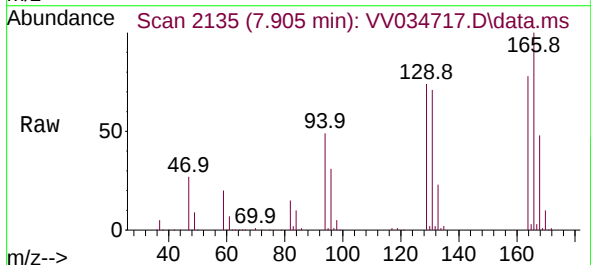
Instrument :
MSVOA_V
ClientSampleId :

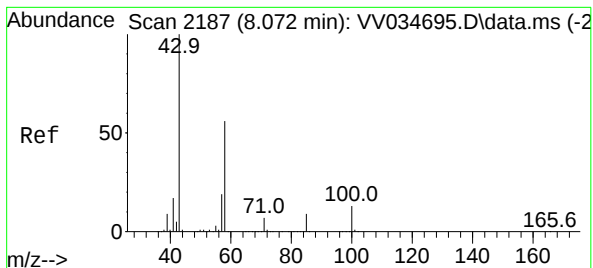
Tgt Ion:	97	Resp:	140262
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.8	81.4
83	85.9	59.4	110.2
85	54.9	38.4	71.4



#46
Tetrachloroethene
Concen: 45.090 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

Tgt Ion:	164	Resp:	97921
Ion	Ratio	Lower	Upper
164	100		
129	95.4	65.7	121.9
131	91.8	62.2	115.6
166	128.9	89.7	166.7





#48

2-Hexanone

Concen: 105.986 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. -0.000 min

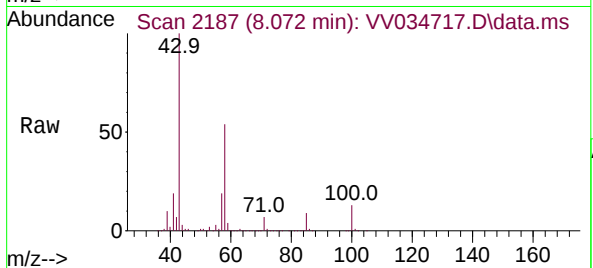
Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 334937

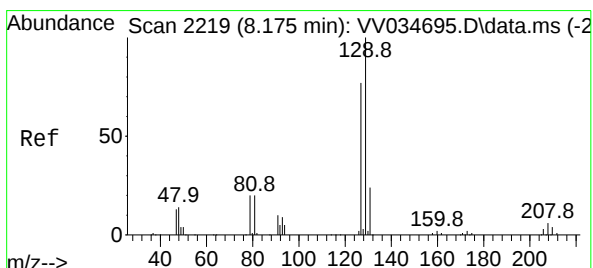
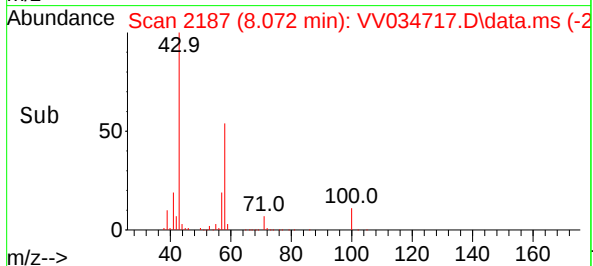
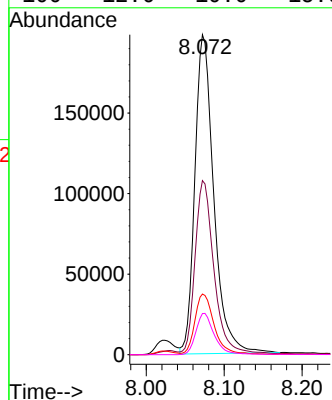
Ion Ratio Lower Upper

43 100

58 53.8 42.0 63.0

57 19.3 15.2 22.8

100 12.6 10.0 15.0



#49

Dibromochloromethane

Concen: 52.431 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. -0.000 min

Lab File: VV034717.D

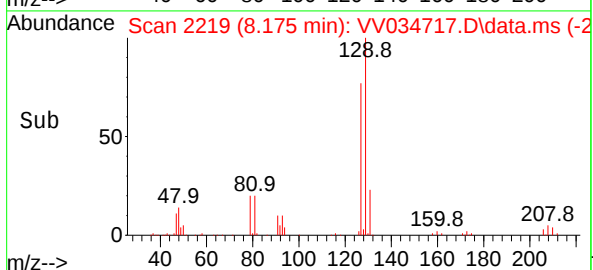
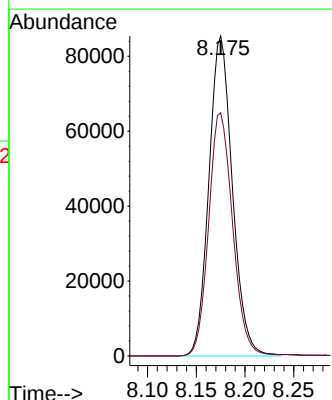
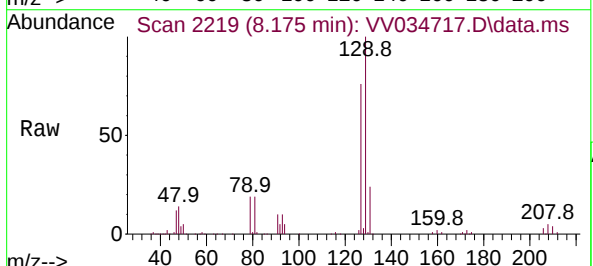
Acq: 18 Mar 2024 23:54

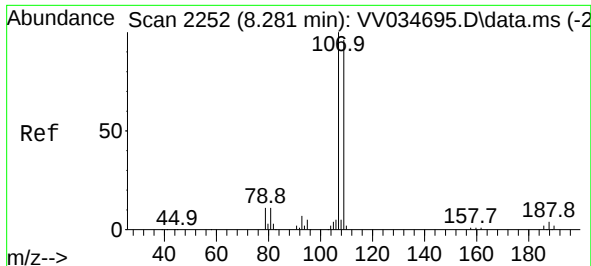
Tgt Ion: 129 Resp: 143581

Ion Ratio Lower Upper

129 100

127 76.0 53.3 98.9

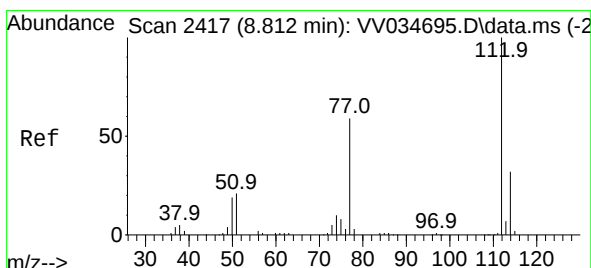
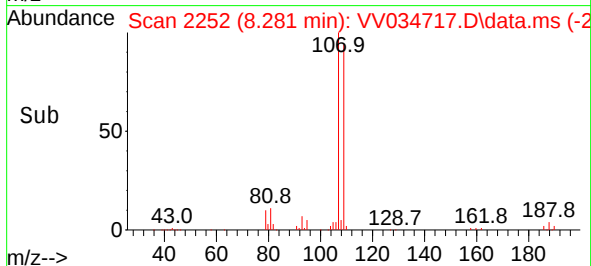
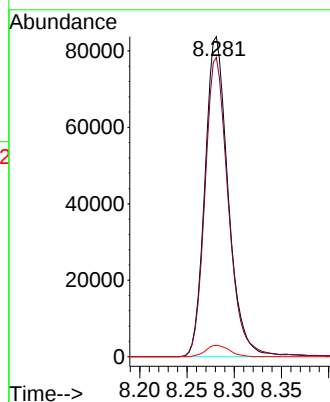
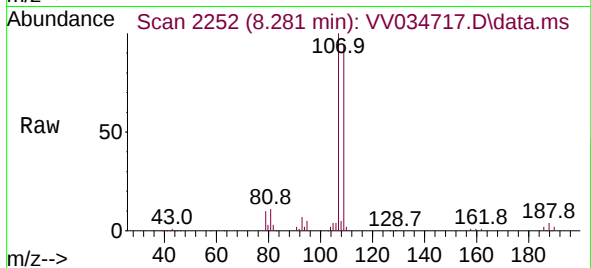




#50
1,2-Dibromoethane
Concen: 51.935 ug/L
RT: 8.281 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

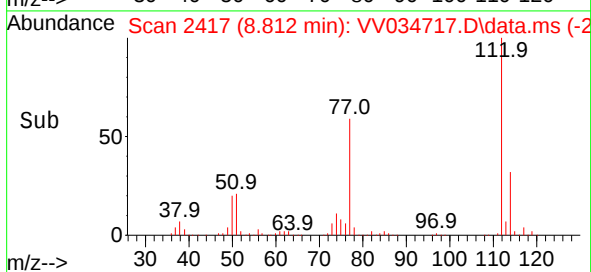
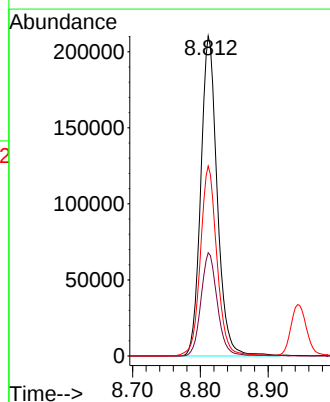
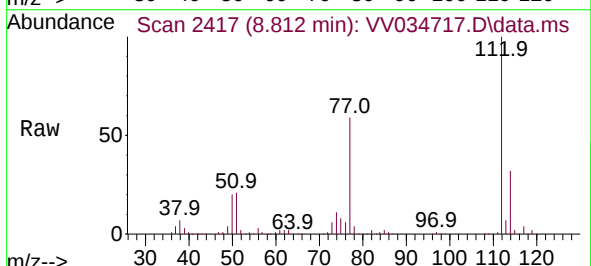
Instrument :
MSVOA_V
ClientSampleId :

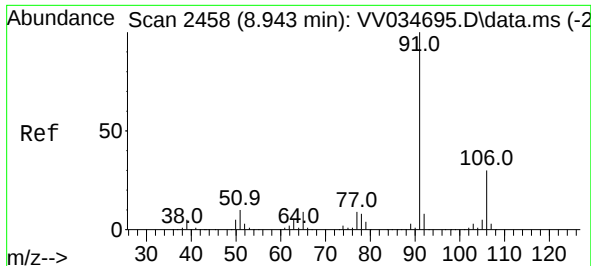
Tgt Ion:107 Resp: 143015
Ion Ratio Lower Upper
107 100
109 93.6 66.5 123.5
188 3.6 3.4 5.2



#51
Chlorobenzene
Concen: 50.414 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

Tgt Ion:112 Resp: 354345
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 59.3 47.7 71.5

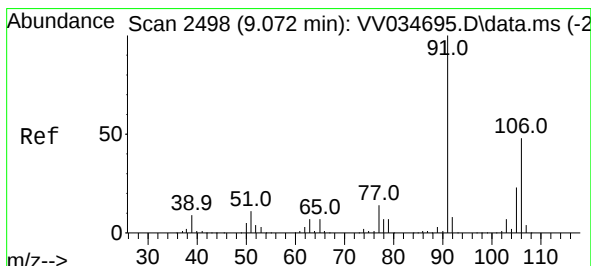
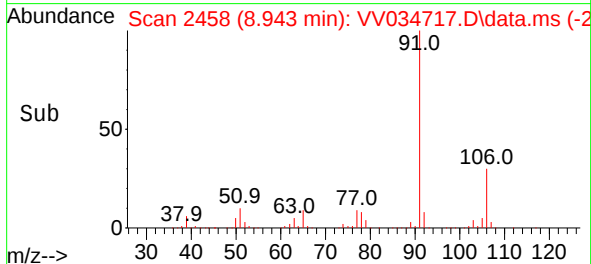
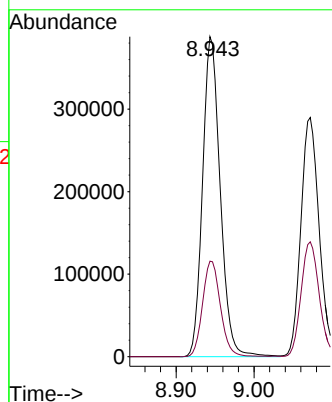
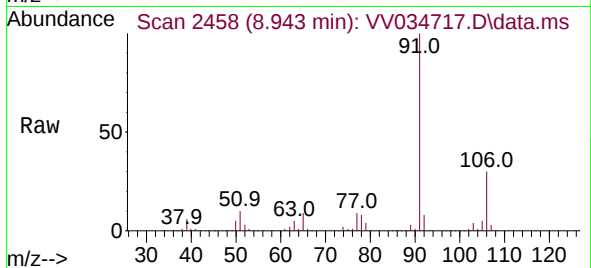




#52
Ethylbenzene
Concen: 50.051 ug/L
RT: 8.943 min Scan# 2458
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

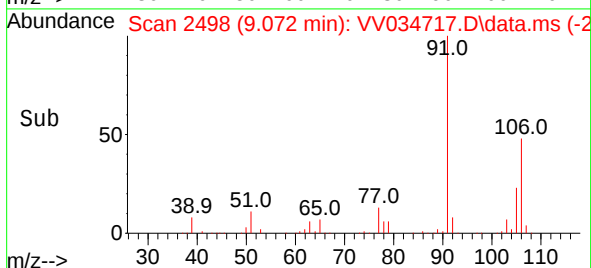
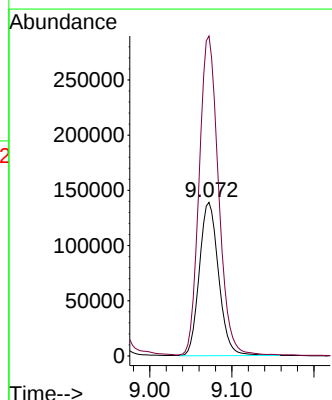
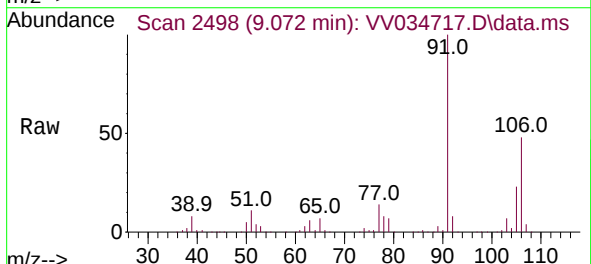
Instrument :
MSVOA_V
ClientSampleId :

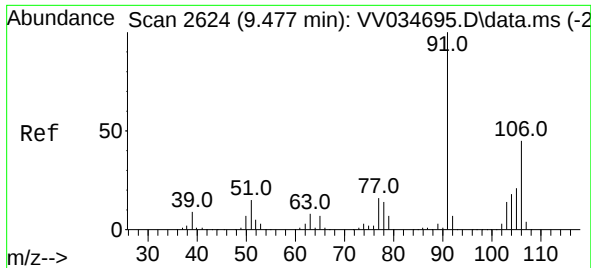
Tgt Ion: 91 Resp: 609739
Ion Ratio Lower Upper
91 100
106 29.9 21.3 39.5



#53
m,p-Xylene
Concen: 48.938 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

Tgt Ion:106 Resp: 226234
Ion Ratio Lower Upper
106 100
91 208.3 145.3 269.9

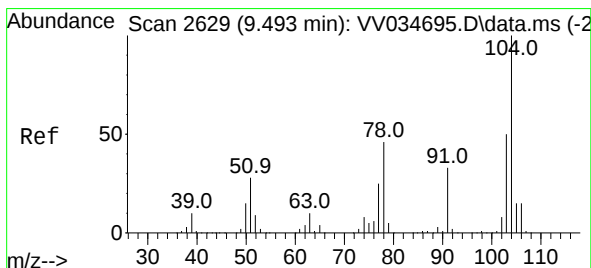
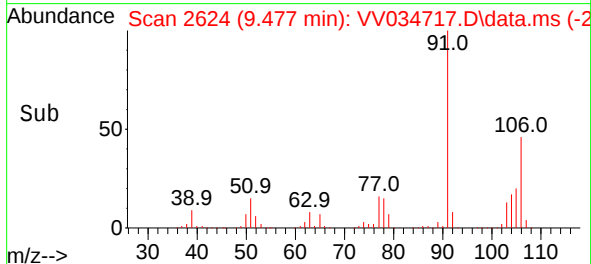
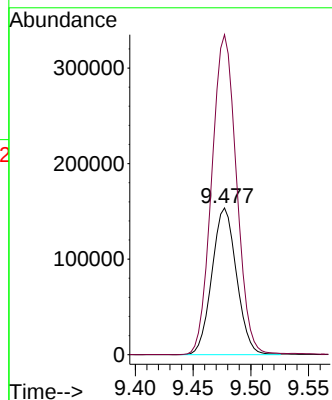
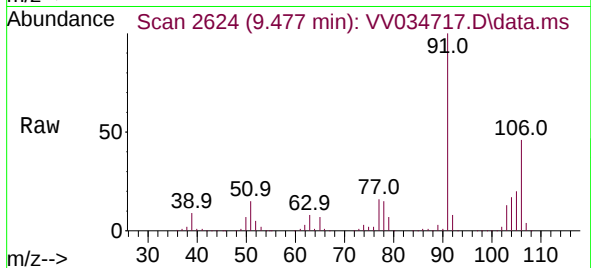




#54
o-Xylene
Concen: 50.271 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

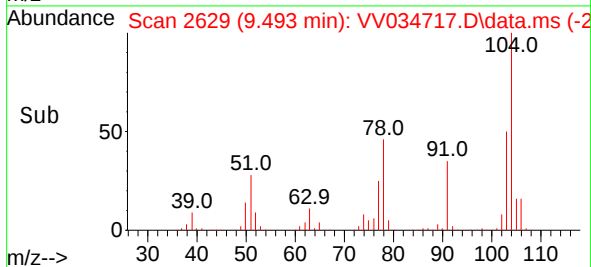
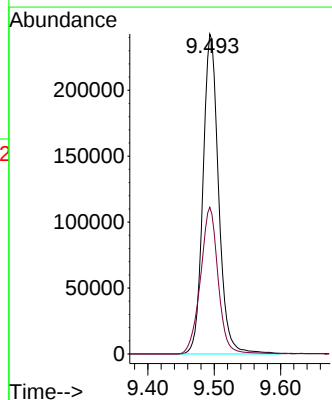
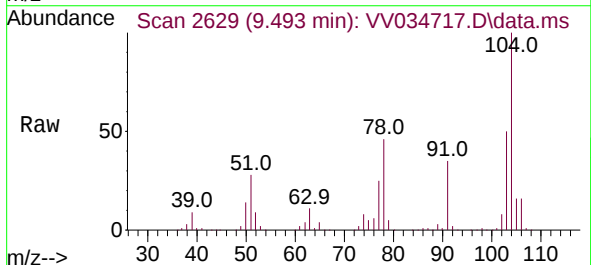
Instrument :
MSVOA_V
ClientSampleId :

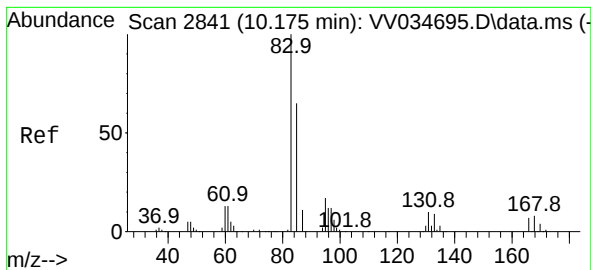
Tgt Ion:106 Resp: 227567
Ion Ratio Lower Upper
106 100
91 218.0 152.2 282.7



#55
Styrene
Concen: 51.971 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

Tgt Ion:104 Resp: 398333
Ion Ratio Lower Upper
104 100
78 45.9 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 55.455 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

ClientSampleId :

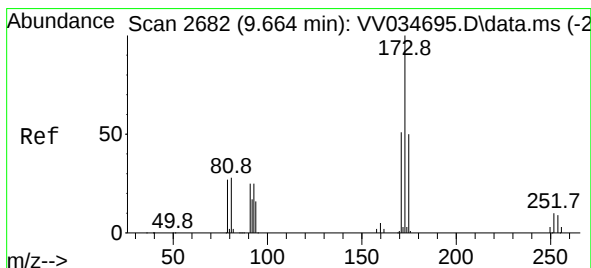
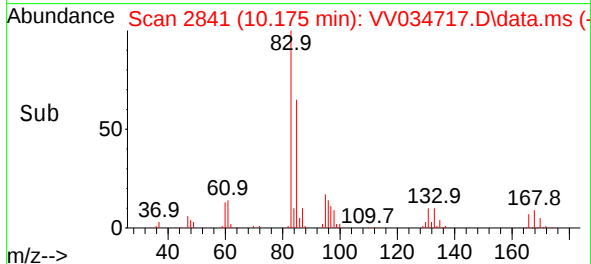
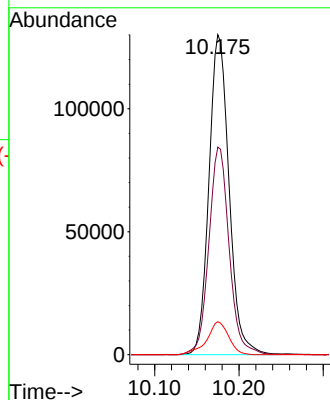
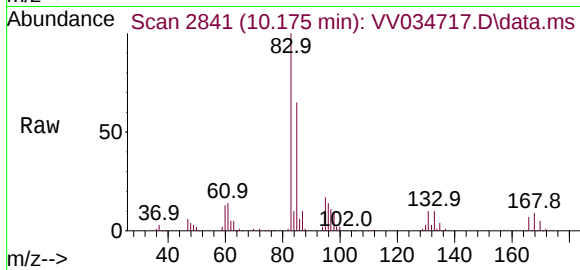
Tgt Ion: 83 Resp: 216146

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

131 10.3 8.3 12.5



#59

Bromoform

Concen: 52.078 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

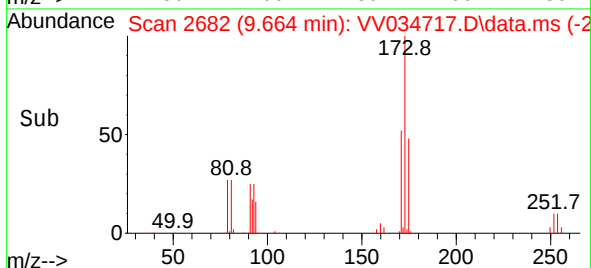
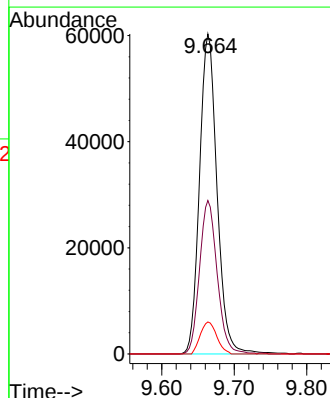
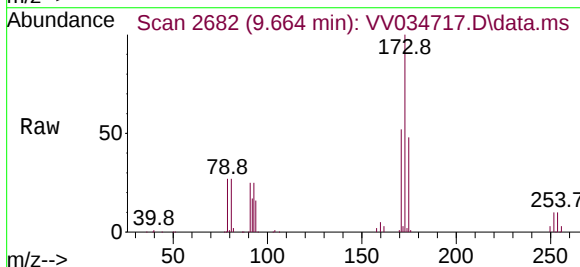
Tgt Ion: 173 Resp: 101132

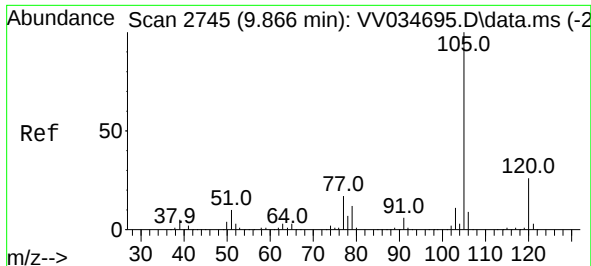
Ion Ratio Lower Upper

173 100

175 48.2 39.1 58.7

254 9.4 7.8 11.8

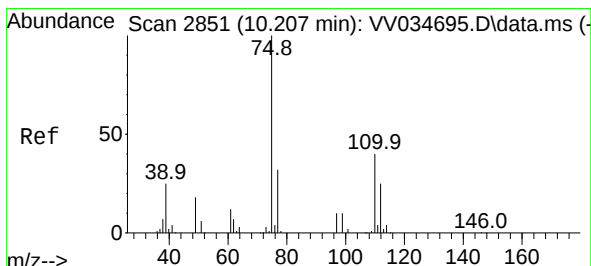
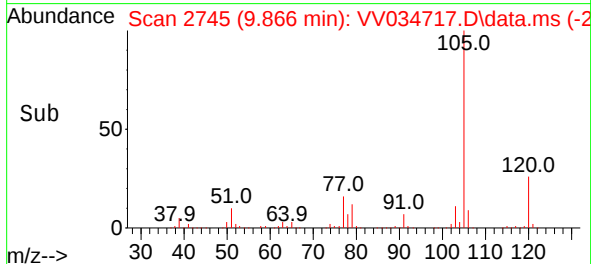
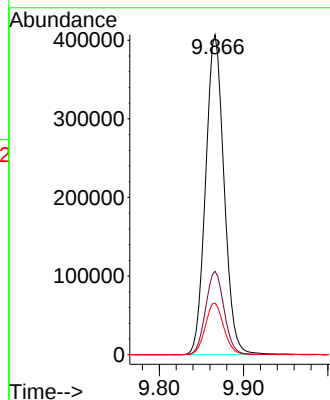
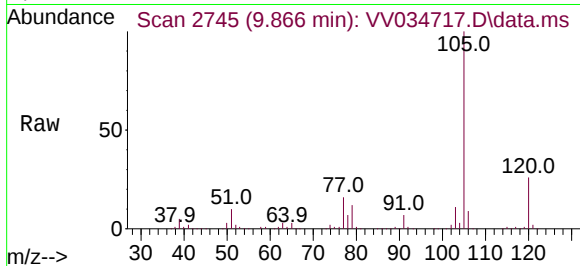




#60
Isopropylbenzene
Concen: 50.106 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

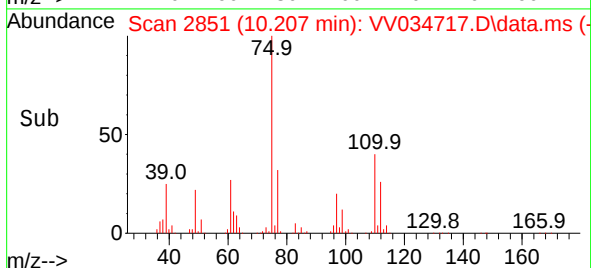
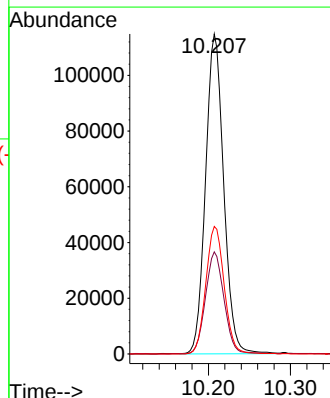
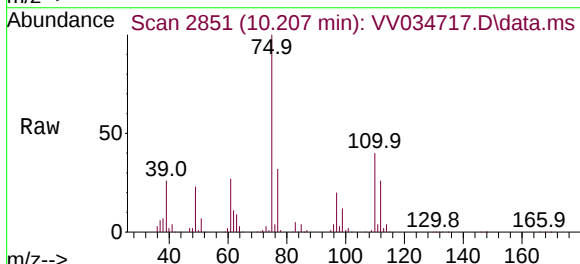
Instrument :
MSVOA_V
ClientSampleId :

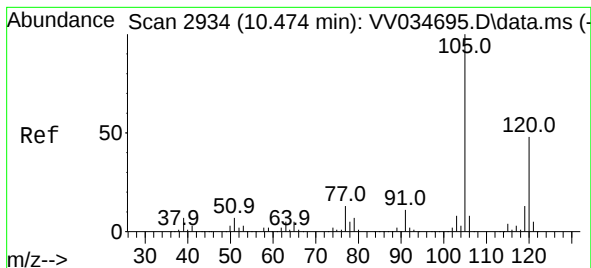
Tgt Ion:105 Resp: 620704
Ion Ratio Lower Upper
105 100
120 26.2 20.8 31.2
77 16.2 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 52.919 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV034717.D
Acq: 18 Mar 2024 23:54

Tgt Ion: 75 Resp: 176934
Ion Ratio Lower Upper
75 100
77 32.4 25.9 38.9
110 40.4 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 49.365 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

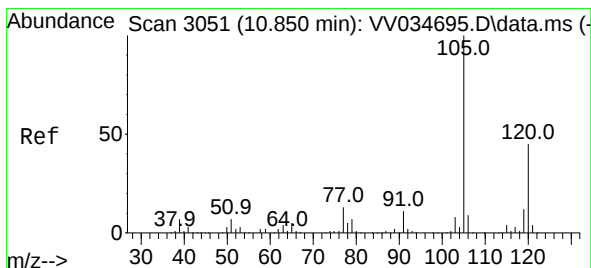
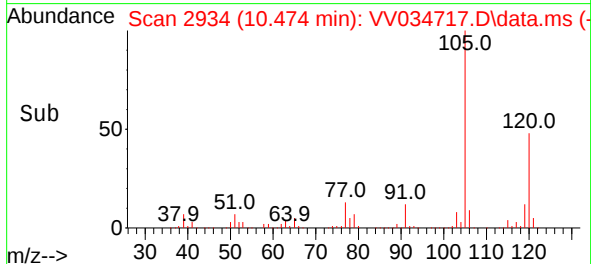
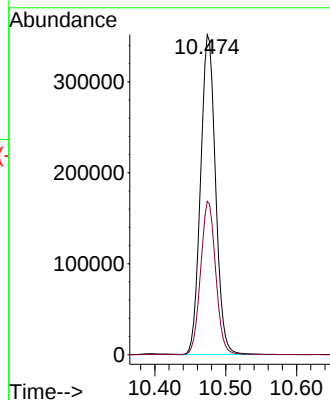
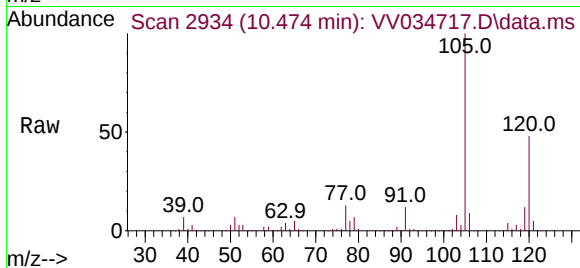
ClientSampleId :

Tgt Ion:105 Resp: 515847

Ion Ratio Lower Upper

105 100

120 48.3 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 50.224 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV034717.D

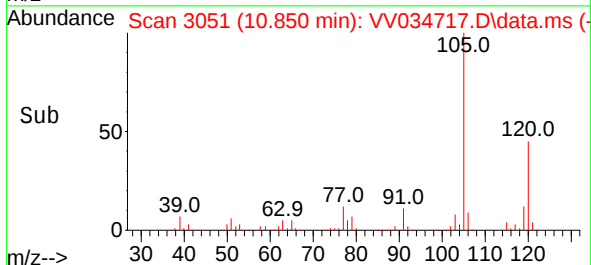
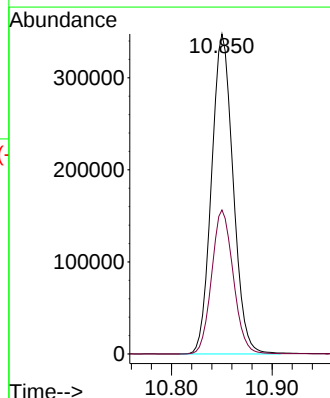
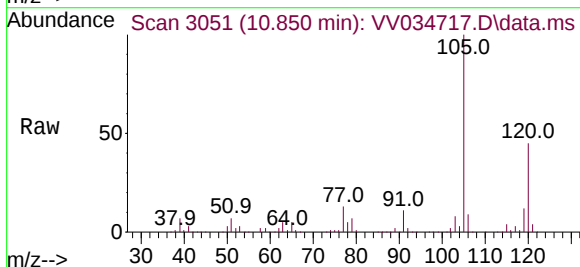
Acq: 18 Mar 2024 23:54

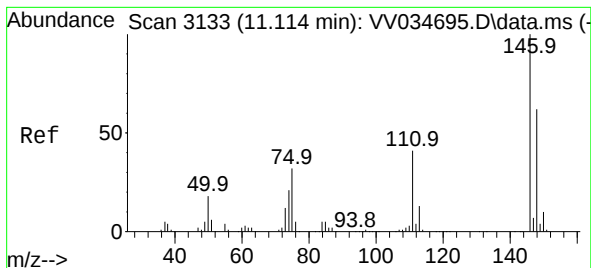
Tgt Ion:105 Resp: 519073

Ion Ratio Lower Upper

105 100

120 45.0 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 49.846 ug/L

RT: 11.117 min Scan# 3133

Delta R.T. 0.003 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

ClientSampleId :

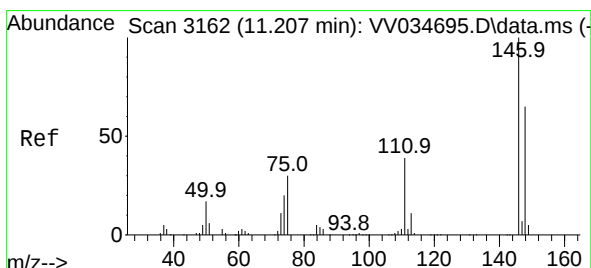
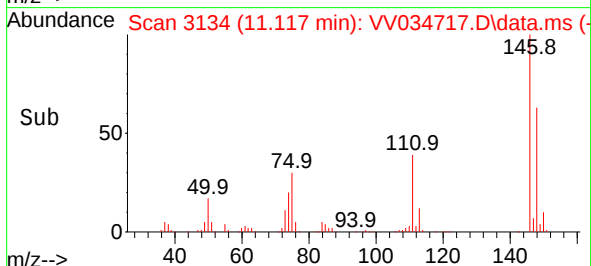
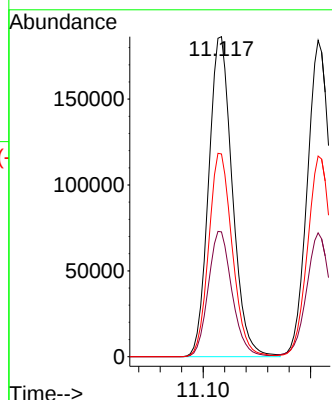
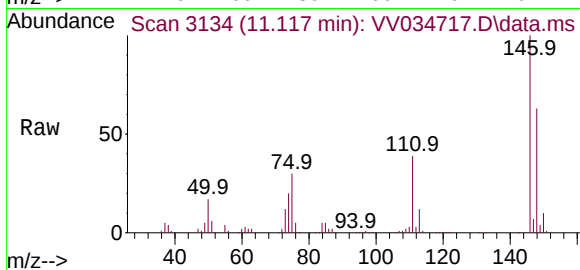
Tgt Ion:146 Resp: 285495

Ion Ratio Lower Upper

146 100

111 39.0 27.9 51.7

148 63.4 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 49.104 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

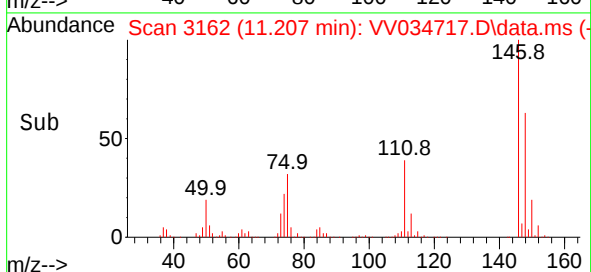
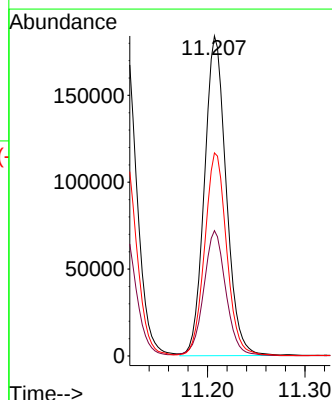
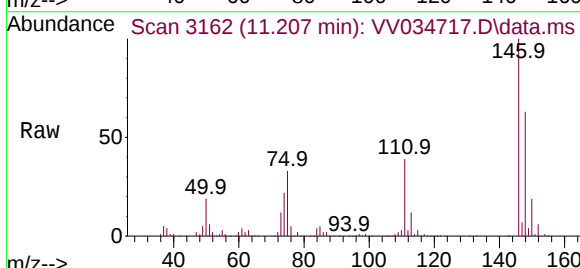
Tgt Ion:146 Resp: 285609

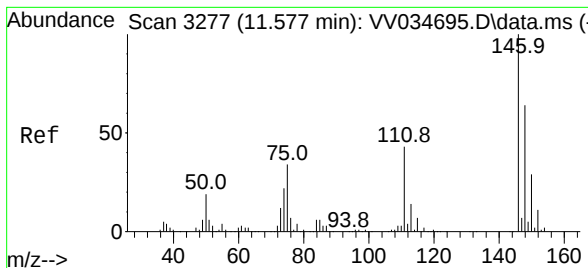
Ion Ratio Lower Upper

146 100

111 39.2 26.5 49.1

148 63.4 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 50.086 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

ClientSampleId :

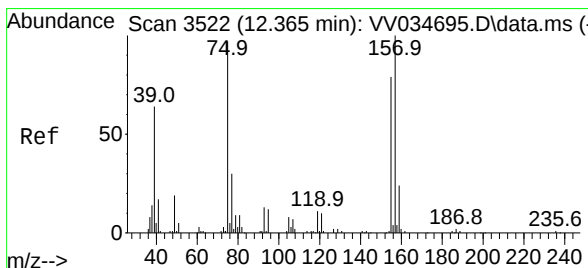
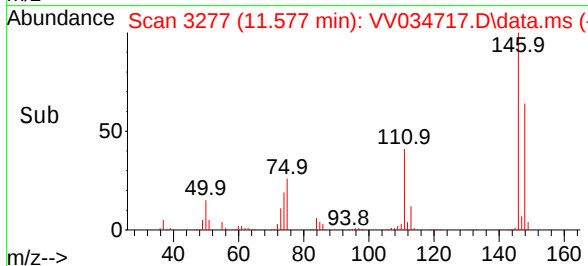
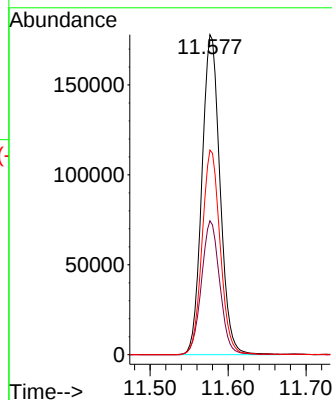
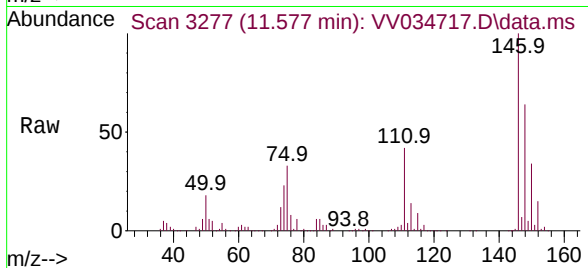
Tgt Ion:146 Resp: 287459

Ion Ratio Lower Upper

146 100

111 41.8 33.8 50.8

148 64.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 52.270 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.003 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

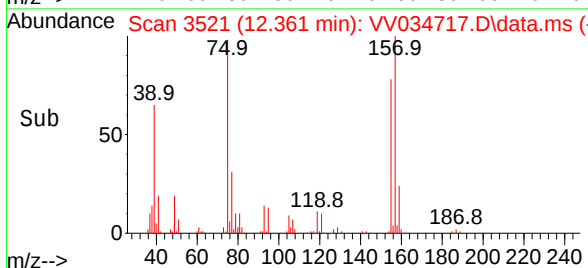
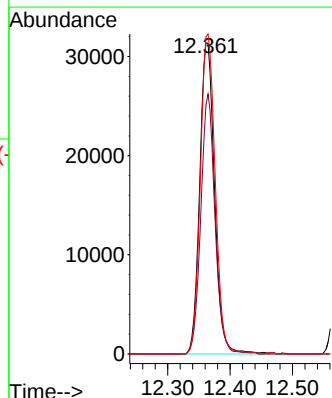
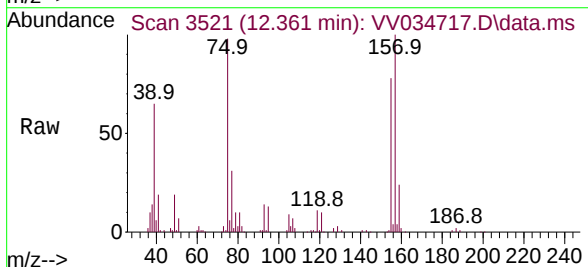
Tgt Ion: 75 Resp: 52059

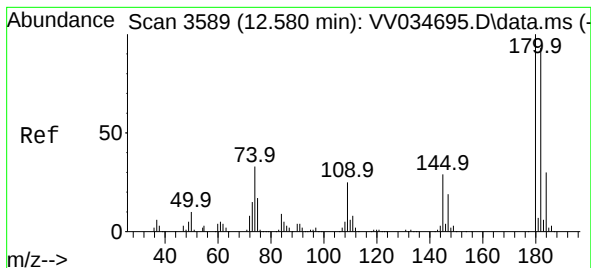
Ion Ratio Lower Upper

75 100

155 79.8 63.3 94.9

157 101.9 81.4 122.0





#69

1,3,5-Trichlorobenzene

Concen: 45.982 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

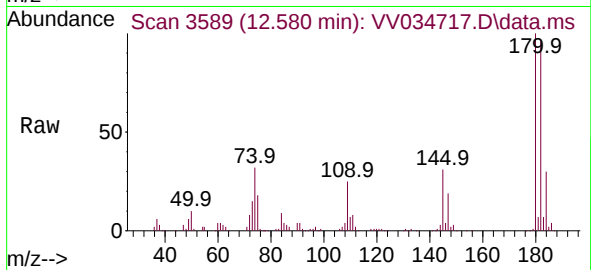
Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 197575

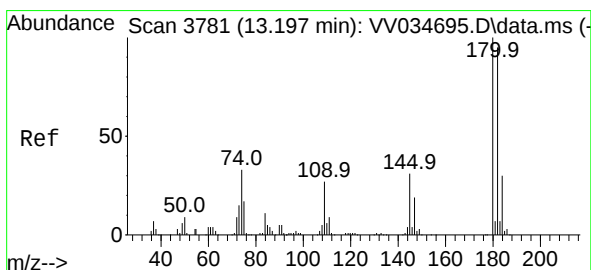
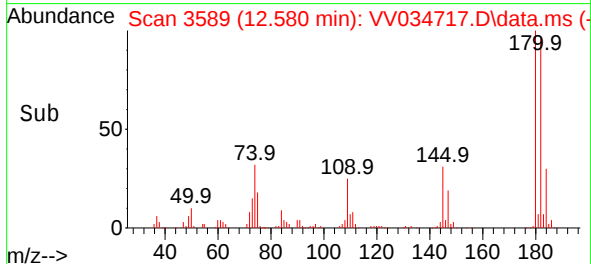
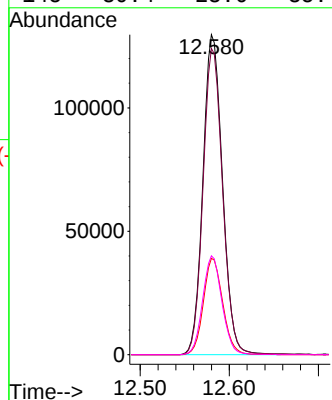
Ion Ratio Lower Upper

180 100

182 95.6 74.6 112.0

184 29.7 23.6 35.4

145 30.4 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 45.400 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

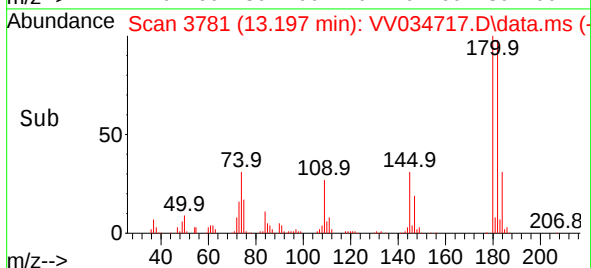
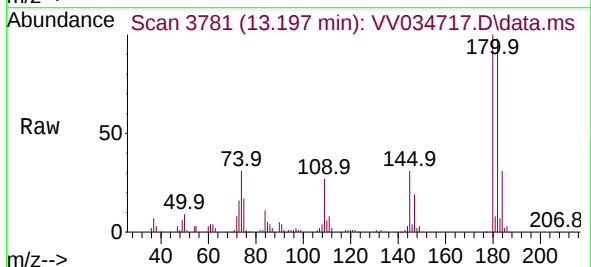
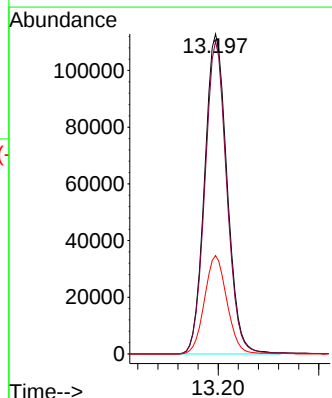
Tgt Ion:180 Resp: 175528

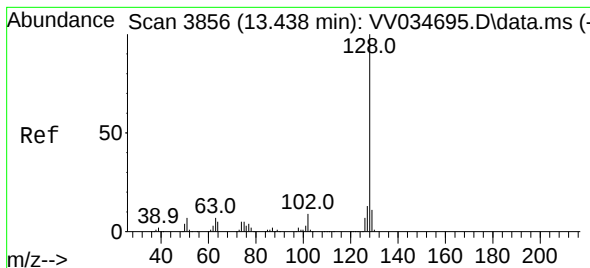
Ion Ratio Lower Upper

180 100

182 95.0 74.8 112.2

145 30.6 24.2 36.4





#71

Naphthalene

Concen: 42.436 ug/L

RT: 13.438 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Instrument :

MSVOA_V

ClientSampleId :

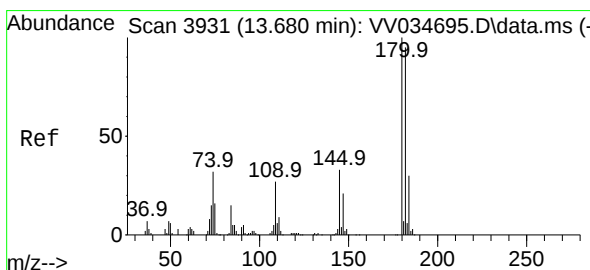
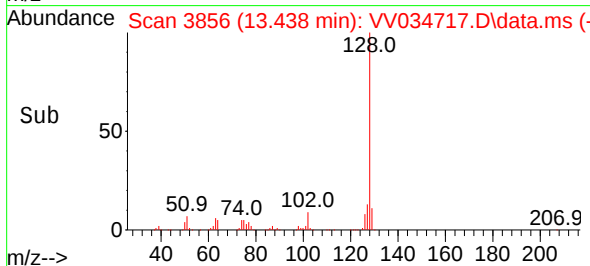
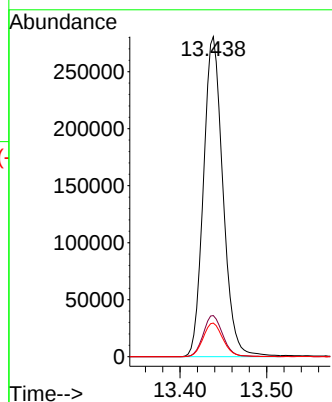
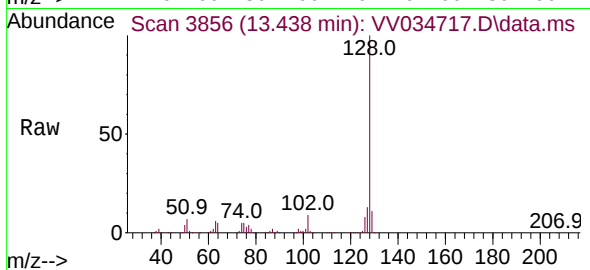
Tgt Ion:128 Resp: 438872

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 47.524 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV034717.D

Acq: 18 Mar 2024 23:54

Tgt Ion:180 Resp: 179246

Ion Ratio Lower Upper

180 100

182 92.8 75.9 113.9

145 32.2 25.5 38.3

