

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040424\
 Data File : VV034988.D
 Acq On : 04 Apr 2024 19:08
 Operator : SY/MD
 Sample : P1893-04MSD 10X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 04 21:39:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 21:33:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	473335	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	461431	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	236143	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	138831	30.371	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	60.740%
7) Chloroethane-d5	1.529	69	109866	27.671	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	55.340%#
11) 1,1-Dichloroethene-d2	2.056	65	65641	32.758	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.520%
21) 2-Butanone-d5	3.793	46	222197	81.958	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.960%
24) Chloroform-d	4.249	84	286540	37.282	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.560%
26) 1,2-Dichloroethane-d4	4.940	65	178218	36.523	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.040%
32) Benzene-d6	4.957	84	549303	35.440	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.880%
36) 1,2-Dichloropropane-d6	5.985	67	179109	36.390	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	72.780%
41) Toluene-d8	7.239	98	492799	35.304	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	70.600%#
43) trans-1,3-Dichloroprop...	7.551	79	84598	35.356	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.720%
47) 2-Hexanone-d5	8.027	63	146393	78.668	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.670%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	269016	39.690	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.380%
66) 1,2-Dichlorobenzene-d4	11.558	152	193196	36.439	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.880%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	128869	37.564	ug/L	100
3) Chloromethane	1.217	50	173576	39.357	ug/L	100
5) Vinyl chloride	1.285	62	184168	39.833	ug/L	99
6) Bromomethane	1.487	94	137677	39.725	ug/L	100
8) Chloroethane	1.545	64	109110	34.553	ug/L	100
9) Trichlorofluoromethane	1.709	101	256160	42.212	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	149741	40.315	ug/L	97
12) 1,1-Dichloroethene	2.066	96	145240	40.885	ug/L	93
13) Acetone	2.124	43	194940	78.320	ug/L	99
14) Carbon disulfide	2.240	76	372570	37.243	ug/L	100
15) Methyl Acetate	2.375	43	201972	51.493	ug/L	99
16) Methylene chloride	2.445	84	178120	46.275	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	150715	43.883	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	571099	47.341	ug/L	98
19) 1,1-Dichloroethane	3.108	63	334026	47.426	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	179546	46.037	ug/L	98
22) 2-Butanone	3.873	43	270164	93.540	ug/L	97
23) Bromochloromethane	4.146	128	92598	47.455	ug/L	98
25) Chloroform	4.275	83	331194	47.562	ug/L	100

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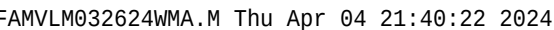
Instrument :
 MSVOA_V
 ClientSampleId :

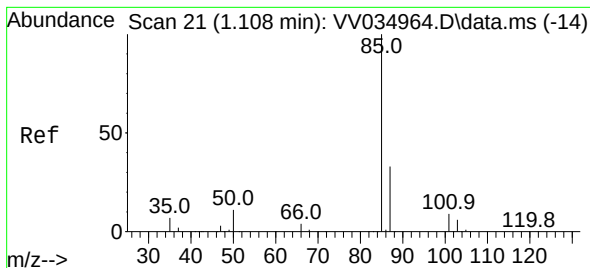
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	265164	47.828	ug/L	100
29) Cyclohexane	4.580	56	227350	39.338	ug/L	100
30) 1,1,1-Trichloroethane	4.510	97	273010	45.390	ug/L	99
31) Carbon tetrachloride	4.731	117	228155	44.754	ug/L	99
33) Benzene	5.008	78	679707	45.173	ug/L	100
34) Trichloroethene	5.831	95	175665	43.259	ug/L	98
35) Methylcyclohexane	6.047	83	237954	38.801	ug/L	99
37) 1,2-Dichloropropane	6.092	63	195304	46.969	ug/L	99
38) Bromodichloromethane	6.429	83	253816	47.309	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	294911	45.022	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	534342	100.648	ug/L	99
42) Toluene	7.313	91	720369	45.730	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	287836	47.829	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	188665	48.138	ug/L	99
46) Tetrachloroethene	7.902	164	125771	44.333	ug/L	96
48) 2-Hexanone	8.075	43	436349	96.637	ug/L	98
49) Dibromochloromethane	8.175	129	191927	49.444	ug/L	98
50) 1,2-Dibromoethane	8.278	107	197897	46.900	ug/L	97
51) Chlorobenzene	8.812	112	471654	46.197	ug/L	100
52) Ethylbenzene	8.944	91	789281	45.209	ug/L	99
53) m,p-Xylene	9.072	106	289513	45.030	ug/L	99
54) o-Xylene	9.477	106	293189	46.088	ug/L	98
55) Styrene	9.493	104	514092	47.822	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	320193	50.423	ug/L	99
59) Bromoform	9.664	173	146574	54.163	ug/L	99
60) Isopropylbenzene	9.866	105	774995	45.524	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	253702	49.579	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	514248	46.512	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	639921	46.813	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	369316	46.422	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	375083	46.362	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	383306	48.365	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	67957	48.205	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	262204	45.731	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	224072	42.545	ug/L	98
71) Naphthalene	13.438	128	647683	44.325	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	234127	45.098	ug/L	99

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

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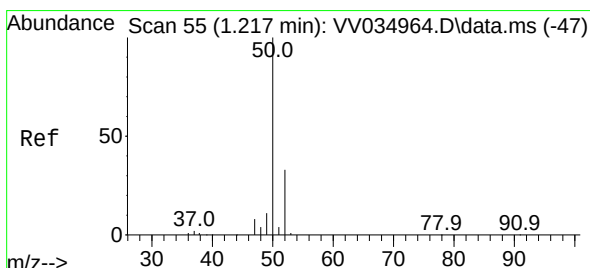
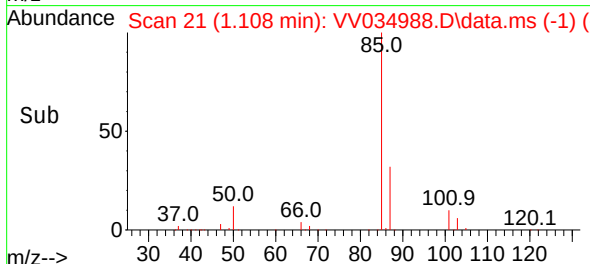
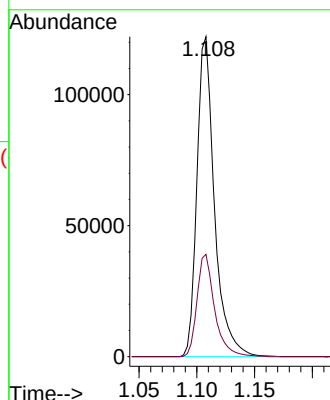
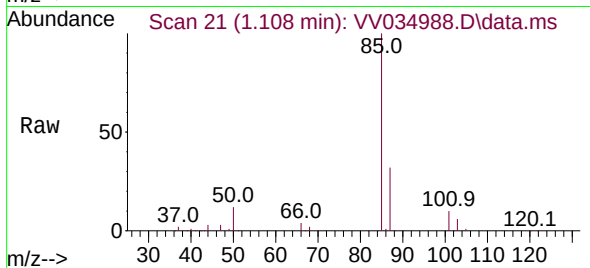




#2
 Dichlorodifluoromethane
 Concen: 37.564 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV034988.D
 Acq: 04 Apr 2024 19:08

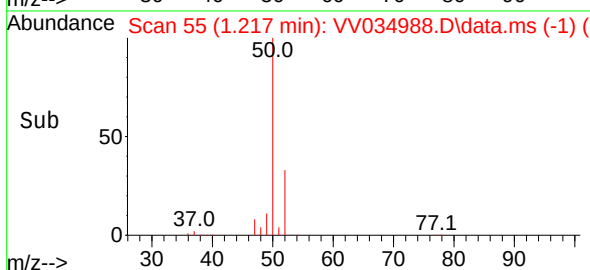
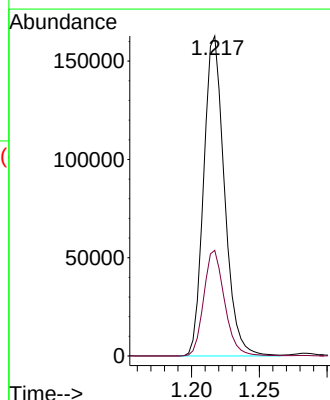
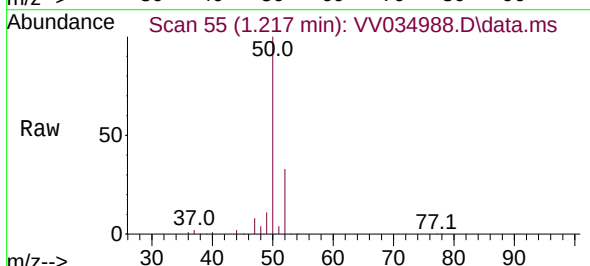
Instrument :
 MSVOA_V
 ClientSampleId :

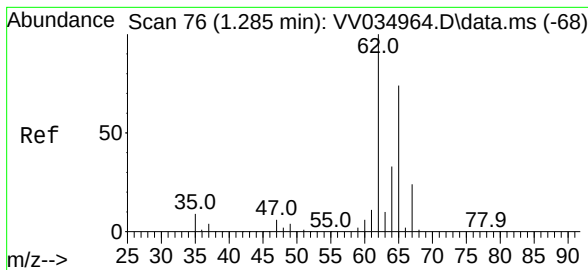
Tgt Ion: 85 Resp: 128869
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.7 38.5



#3
 Chloromethane
 Concen: 39.357 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV034988.D
 Acq: 04 Apr 2024 19:08

Tgt Ion: 50 Resp: 173576
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.0 42.8

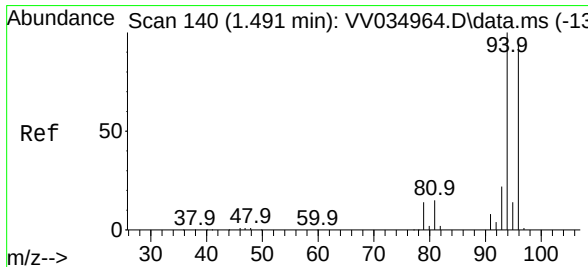
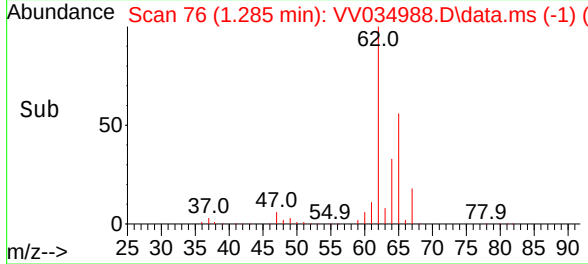
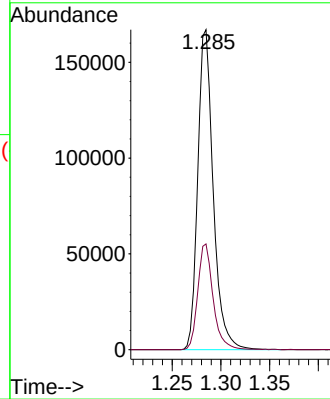
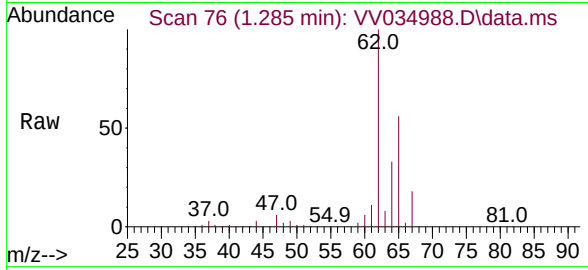




#5
 Vinyl chloride
 Concen: 39.833 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV034988.D
 Acq: 04 Apr 2024 19:08

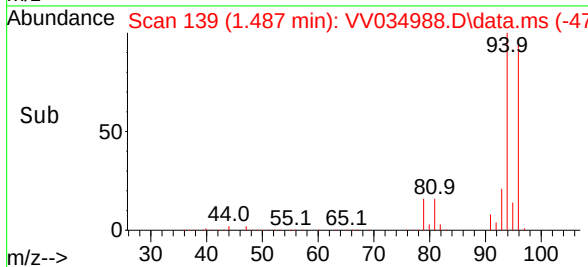
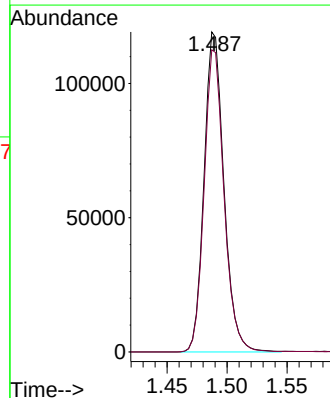
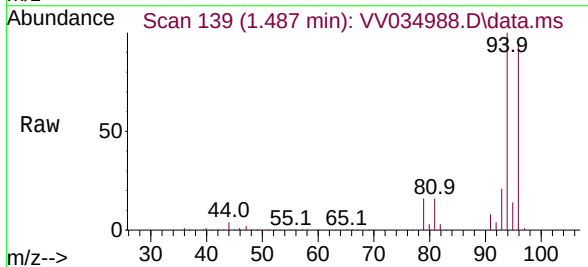
Instrument :
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 ClientSampleId :

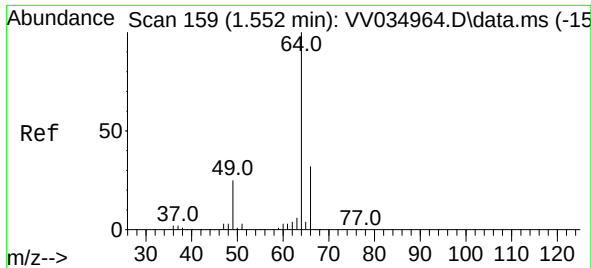
Tgt Ion: 62 Resp: 184168
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.6 43.8



#6
 Bromomethane
 Concen: 39.725 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV034988.D
 Acq: 04 Apr 2024 19:08

Tgt Ion: 94 Resp: 137677
 Ion Ratio Lower Upper
 94 100
 96 94.4 66.3 123.1

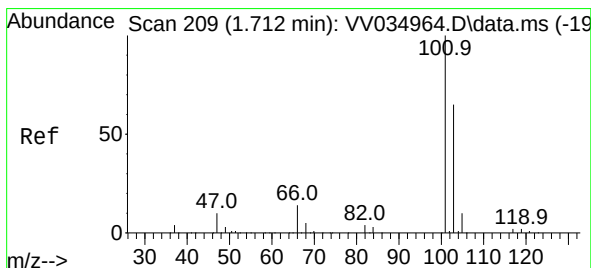
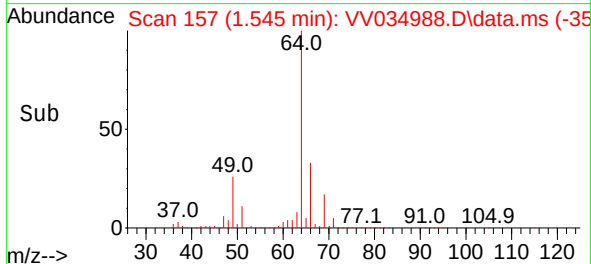
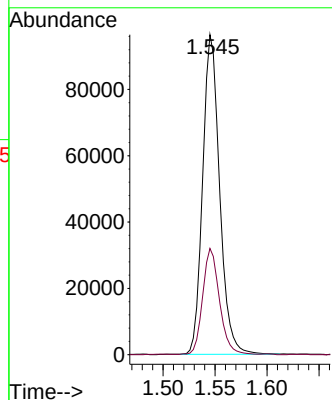
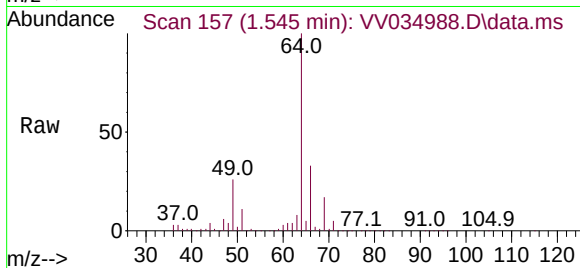




#8
Chloroethane
Concen: 34.553 ug/L
RT: 1.545 min Scan# 159
Delta R.T. -0.007 min
Lab File: VV034988.D
Acq: 04 Apr 2024 19:08

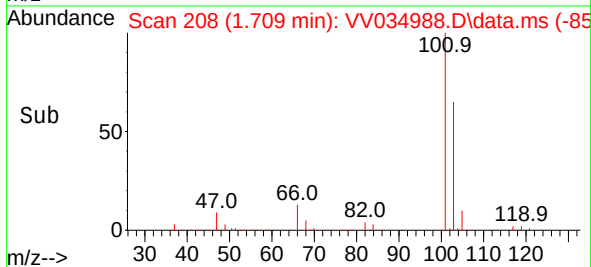
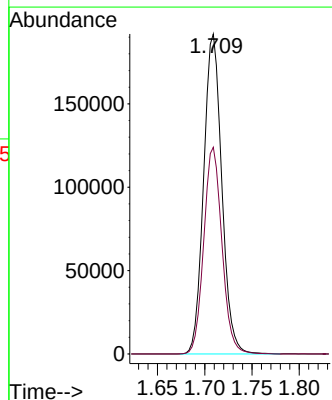
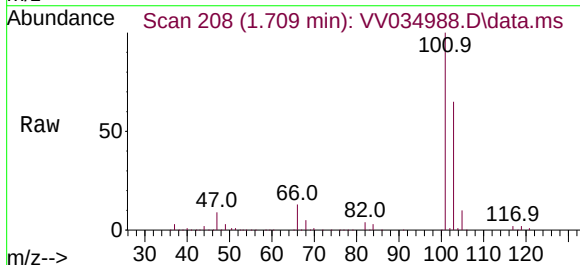
Instrument :
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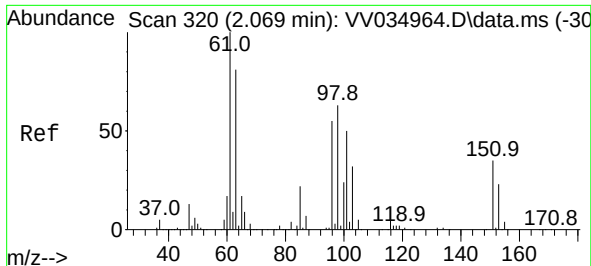
Tgt Ion: 64 Resp: 109110
Ion Ratio Lower Upper
64 100
66 33.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 42.212 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.003 min
Lab File: VV034988.D
Acq: 04 Apr 2024 19:08

Tgt Ion:101 Resp: 256160
Ion Ratio Lower Upper
101 100
103 64.6 51.6 77.4





#10

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

Concen: 40.315 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

ClientSampleId :

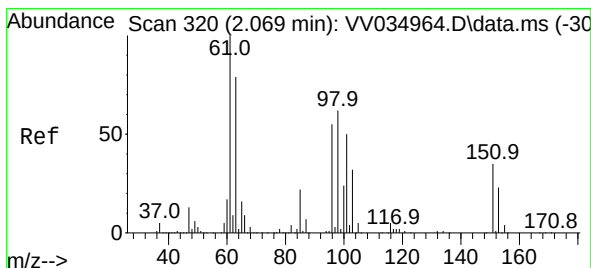
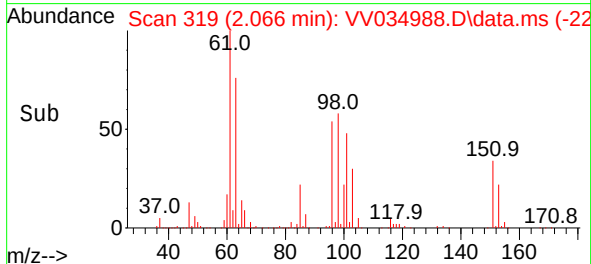
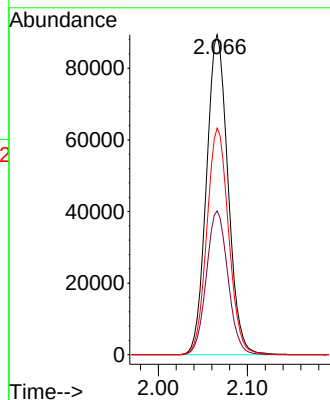
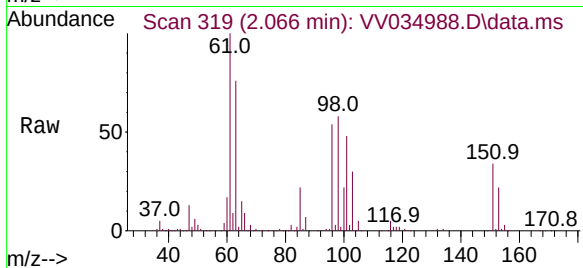
Tgt Ion:101 Resp: 149741

Ion Ratio Lower Upper

101 100

85 44.9 35.3 52.9

151 71.6 55.0 82.4



#12

1,1-Dichloroethene

Concen: 40.885 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

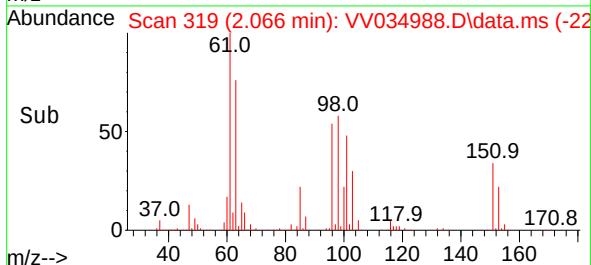
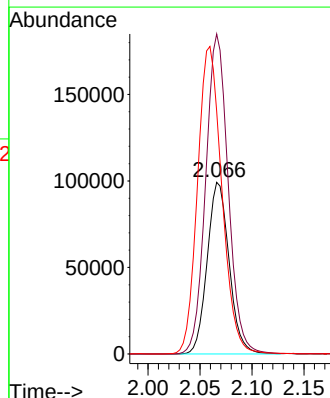
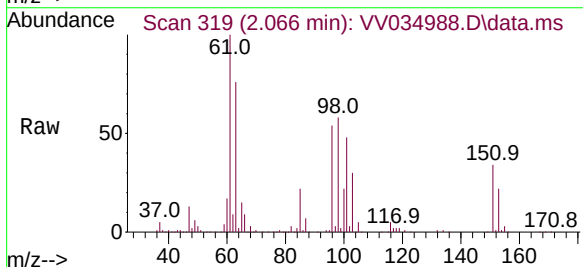
Tgt Ion: 96 Resp: 145240

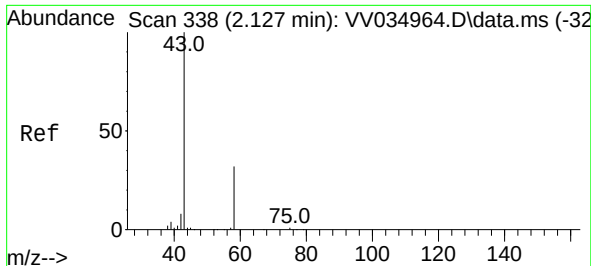
Ion Ratio Lower Upper

96 100

61 186.4 131.5 244.3

63 141.4 111.4 206.8





#13

Acetone

Concen: 78.320 ug/L

RT: 2.124 min Scan# 338

Delta R.T. -0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

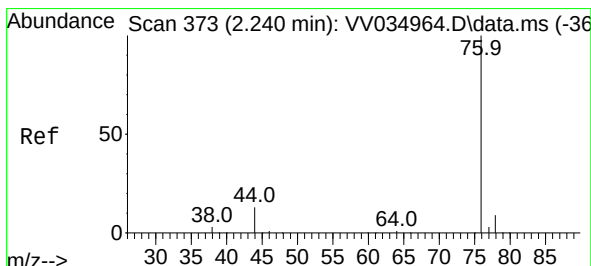
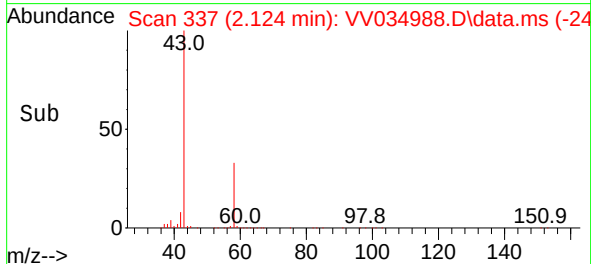
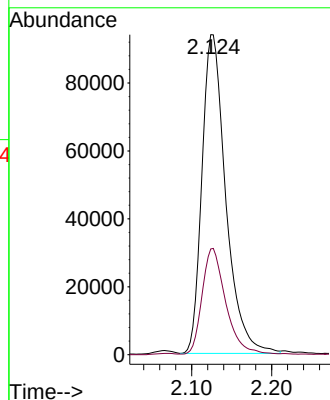
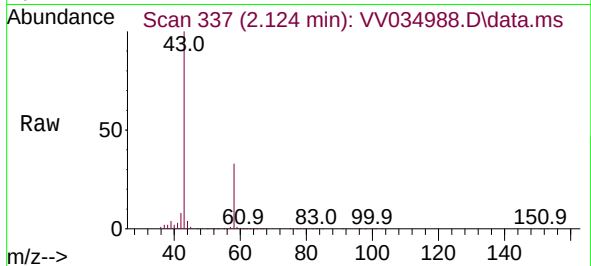
ClientSampleId :

Tgt Ion: 43 Resp: 194940

Ion Ratio Lower Upper

43 100

58 32.7 0.0 66.0



#14

Carbon disulfide

Concen: 37.243 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV034988.D

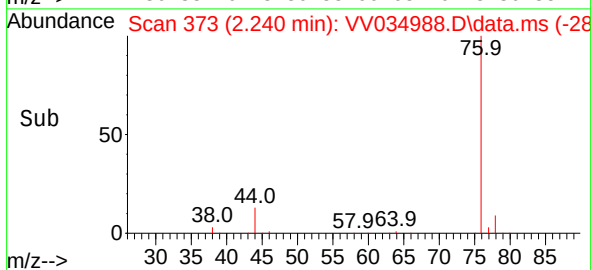
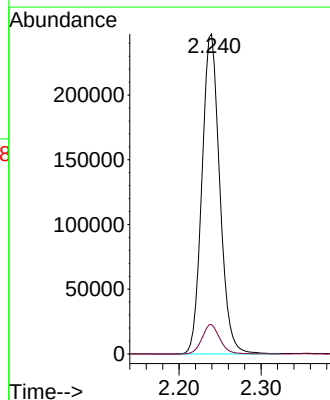
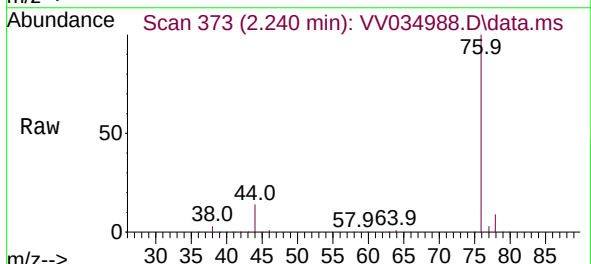
Acq: 04 Apr 2024 19:08

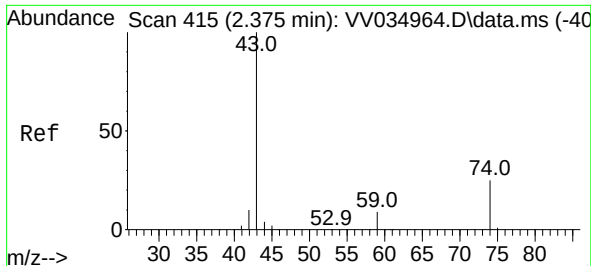
Tgt Ion: 76 Resp: 372570

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 51.493 ug/L

RT: 2.375 min Scan# 415

Delta R.T. -0.000 min

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Acq: 04 Apr 2024 19:08

Instrument :

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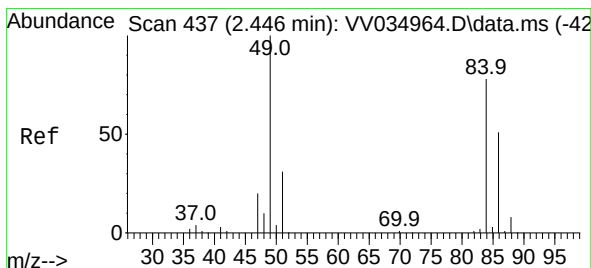
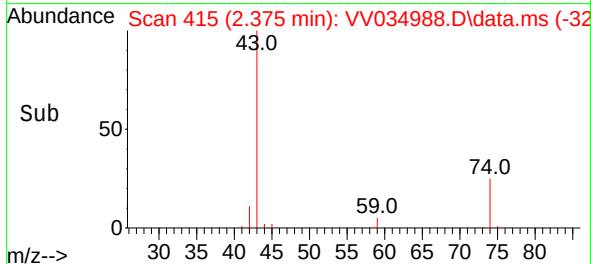
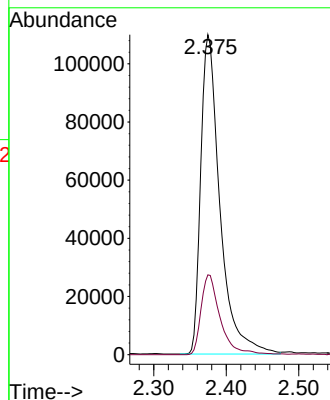
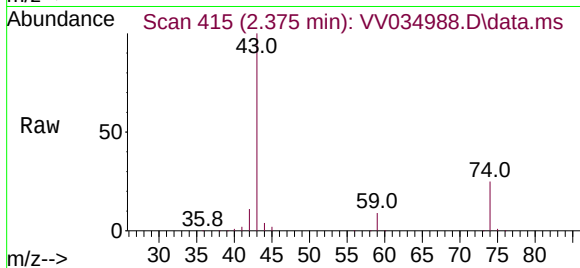
ClientSampleId :

Tgt Ion: 43 Resp: 201972

Ion Ratio Lower Upper

43 100

74 24.1 19.8 29.8



#16

Methylene chloride

Concen: 46.275 ug/L

RT: 2.445 min Scan# 437

Delta R.T. -0.000 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

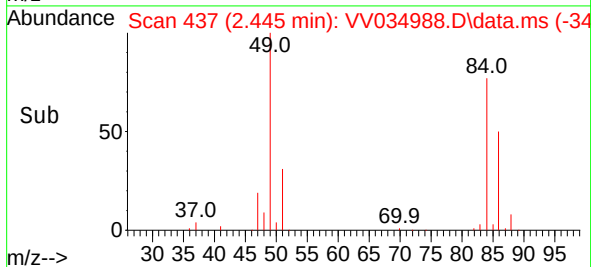
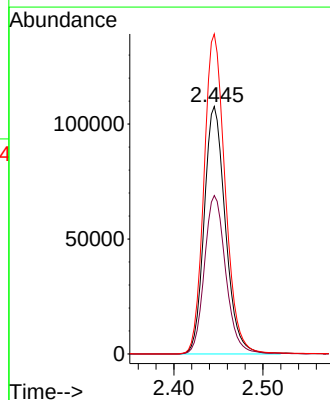
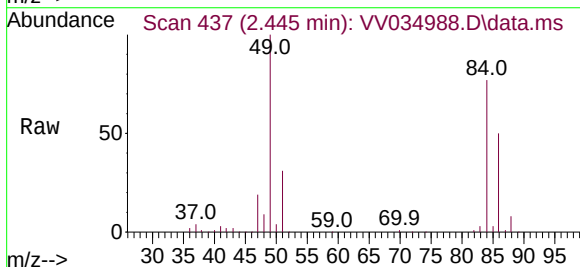
Tgt Ion: 84 Resp: 178120

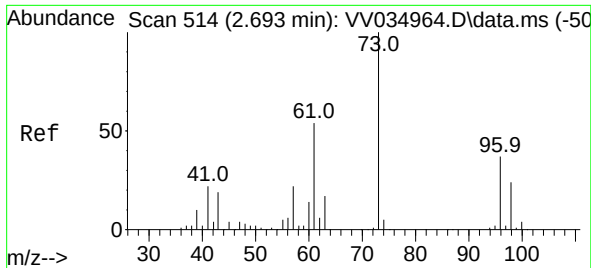
Ion Ratio Lower Upper

84 100

86 64.0 44.6 82.8

49 129.3 86.9 161.3





#17

trans-1,2-Dichloroethene

Concen: 43.883 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

ClientSampleId :

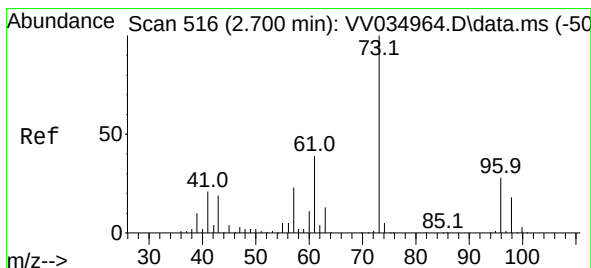
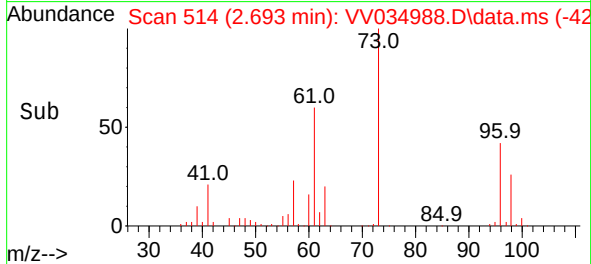
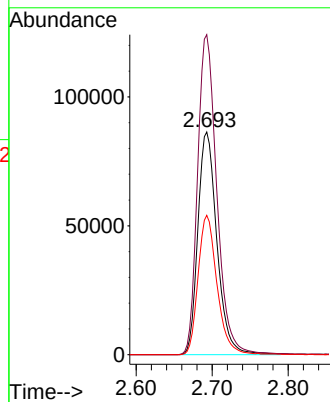
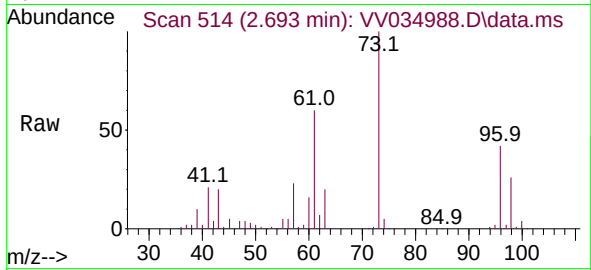
Tgt Ion: 96 Resp: 150715

Ion Ratio Lower Upper

96 100

61 143.6 99.0 183.8

98 62.5 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 47.341 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

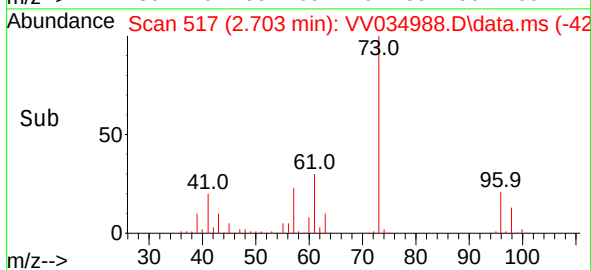
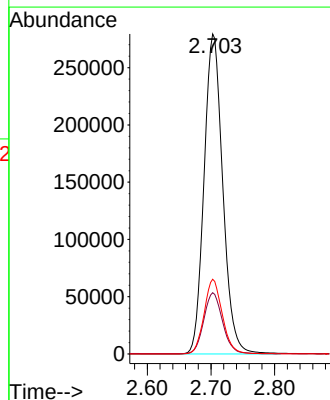
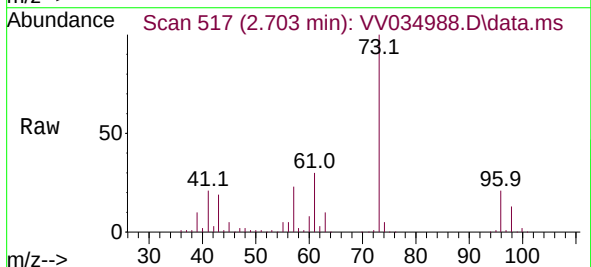
Tgt Ion: 73 Resp: 571099

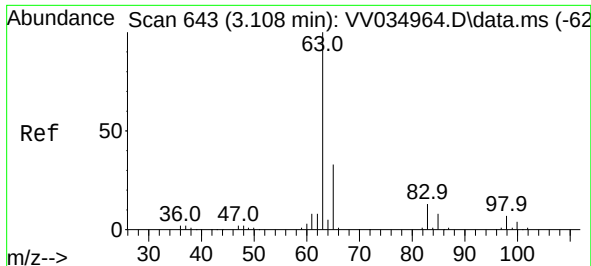
Ion Ratio Lower Upper

73 100

43 19.0 14.6 21.8

57 22.7 17.6 26.4





#19

1,1-Dichloroethane

Concen: 47.426 ug/L

RT: 3.108 min Scan# 643

Delta R.T. -0.000 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

ClientSampleId :

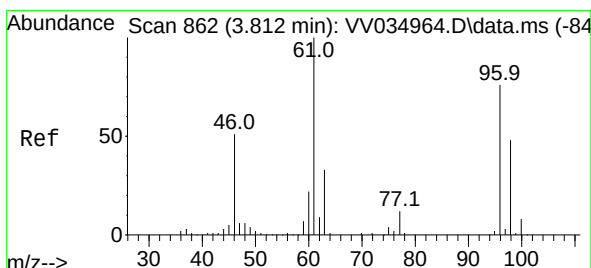
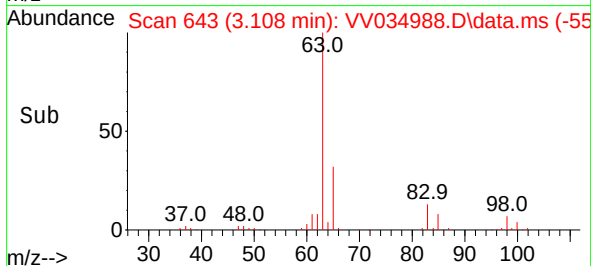
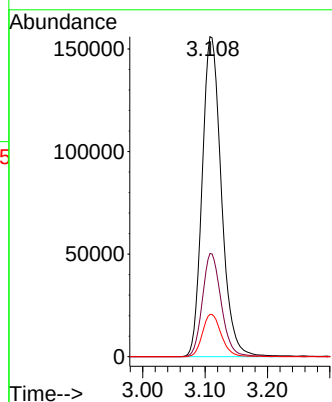
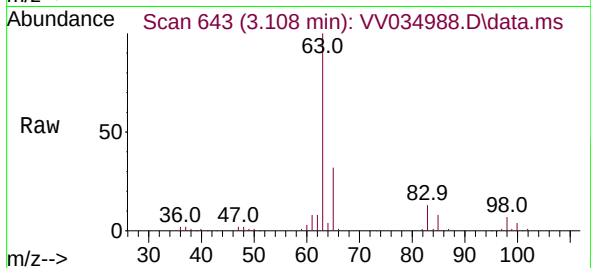
Tgt Ion: 63 Resp: 334026

Ion Ratio Lower Upper

63 100

65 32.2 23.0 42.6

83 13.2 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 46.037 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.000 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

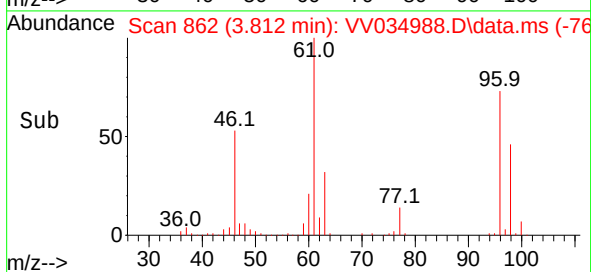
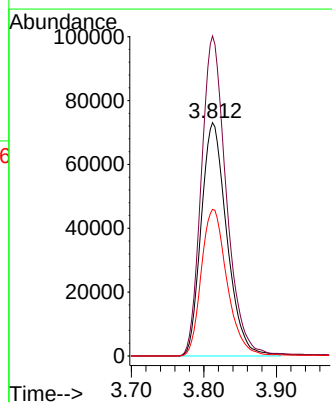
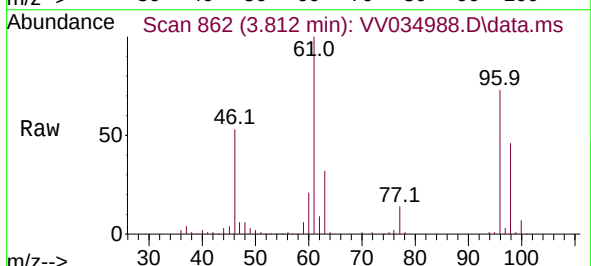
Tgt Ion: 96 Resp: 179546

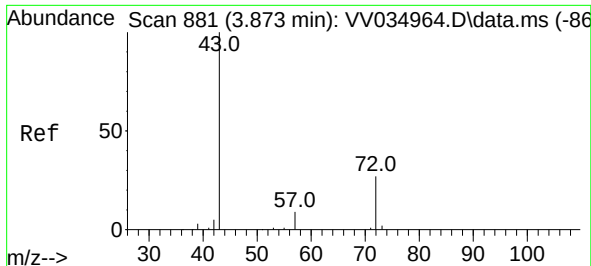
Ion Ratio Lower Upper

96 100

61 137.2 94.9 176.3

98 62.8 45.6 84.8





#22

2-Butanone

Concen: 93.540 ug/L

RT: 3.873 min Scan# 881

Delta R.T. -0.000 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

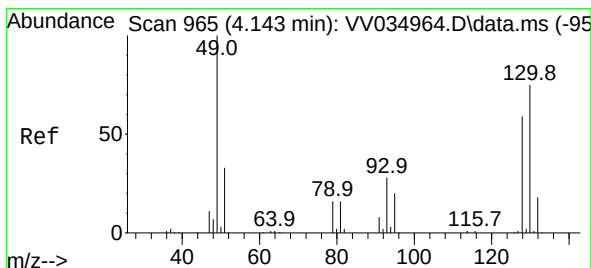
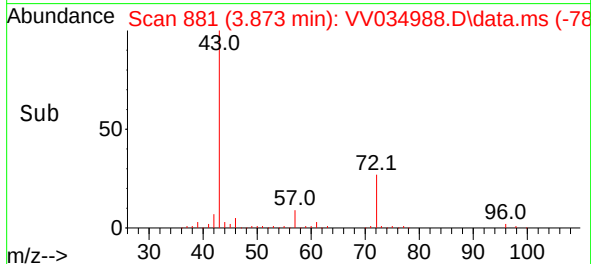
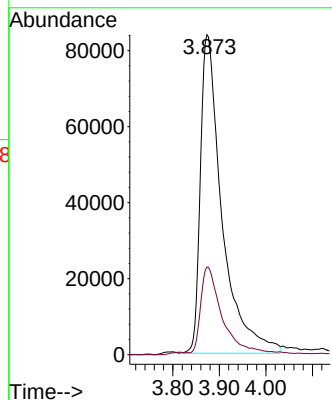
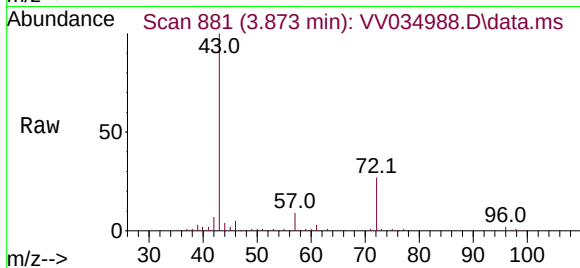
ClientSampleId :

Tgt Ion: 43 Resp: 270164

Ion Ratio Lower Upper

43 100

72 24.9 13.2 39.6



#23

Bromochloromethane

Concen: 47.455 ug/L

RT: 4.146 min Scan# 966

Delta R.T. 0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Tgt Ion: 128 Resp: 92598

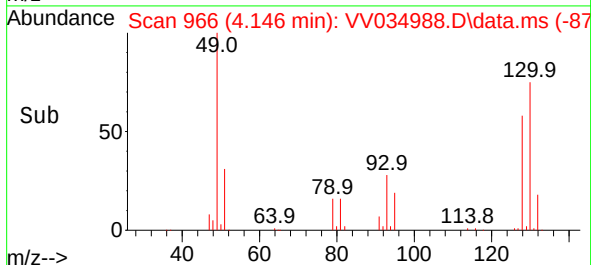
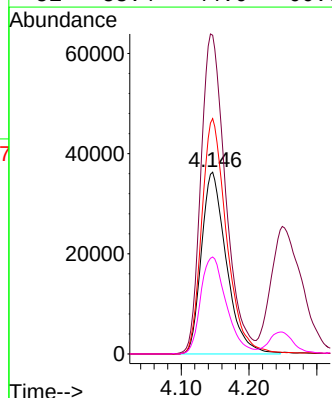
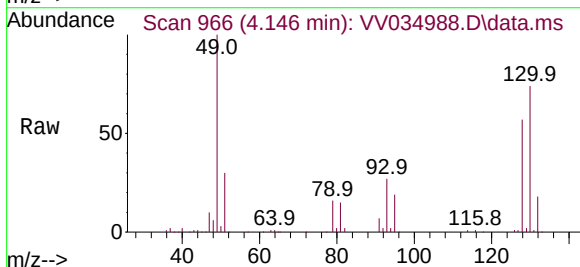
Ion Ratio Lower Upper

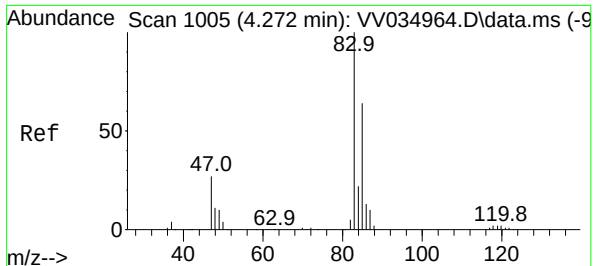
128 100

49 175.4 123.8 229.8

130 129.5 93.2 173.0

51 53.4 44.0 66.0





#25

Chloroform

Concen: 47.562 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

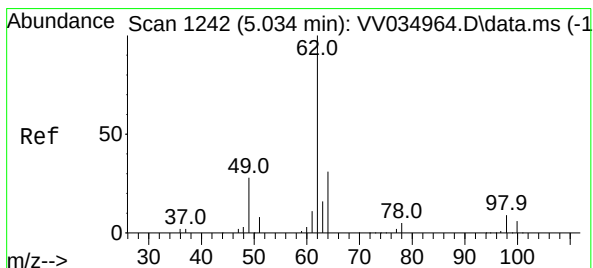
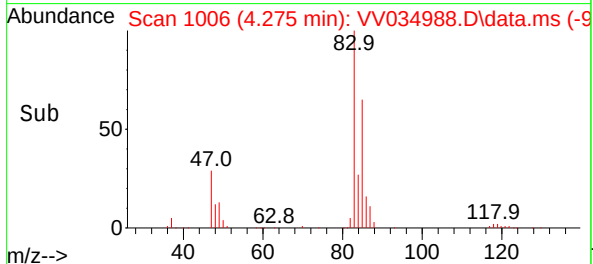
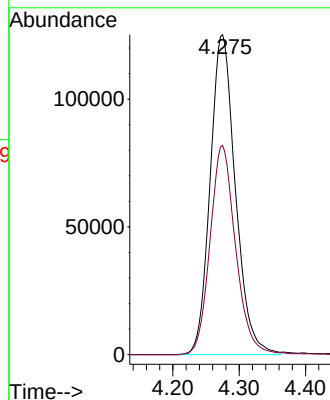
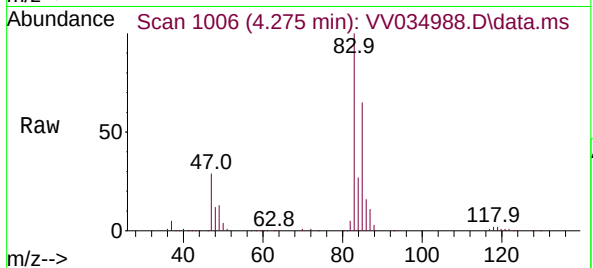
ClientSampleId :

Tgt Ion: 83 Resp: 331194

Ion Ratio Lower Upper

83 100

85 65.4 46.0 85.4



#27

1,2-Dichloroethane

Concen: 47.828 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VV034988.D

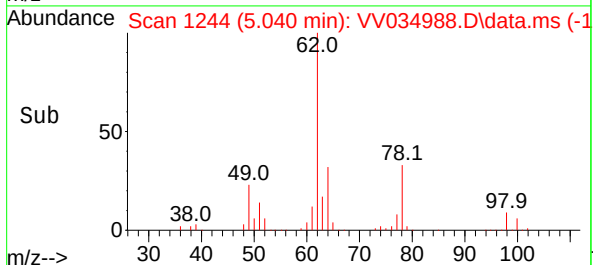
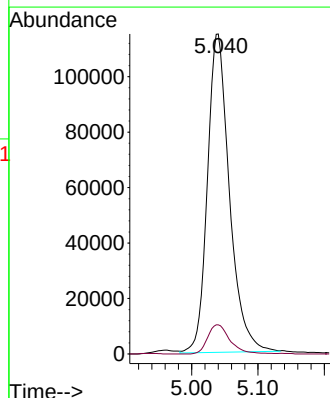
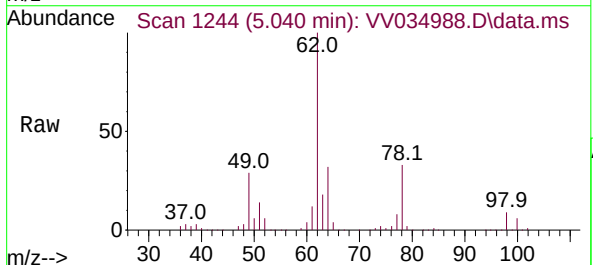
Acq: 04 Apr 2024 19:08

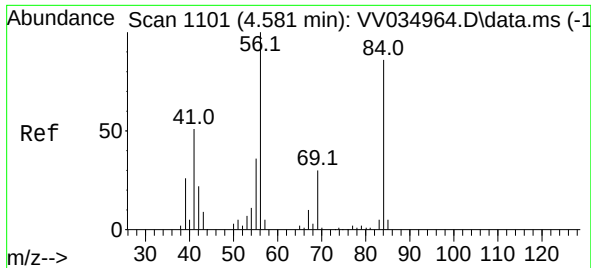
Tgt Ion: 62 Resp: 265164

Ion Ratio Lower Upper

62 100

98 9.1 7.2 10.8





#29

Cyclohexane

Concen: 39.338 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. -0.000 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

ClientSampleId :

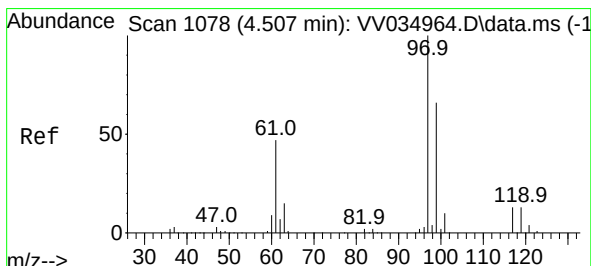
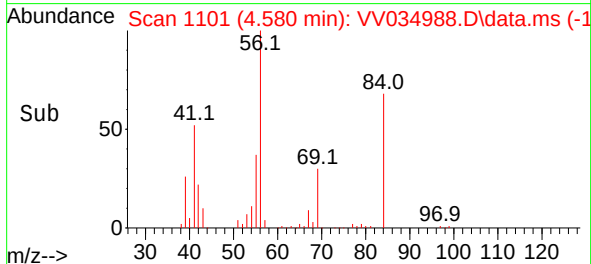
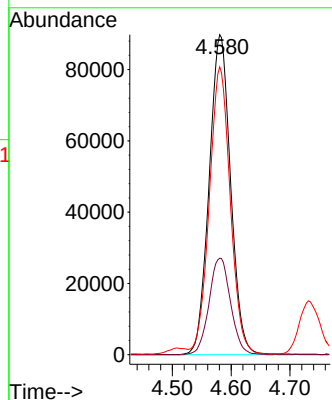
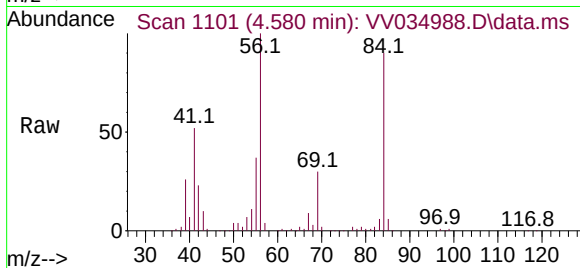
Tgt Ion: 56 Resp: 227350

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.2

84 87.5 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 45.390 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

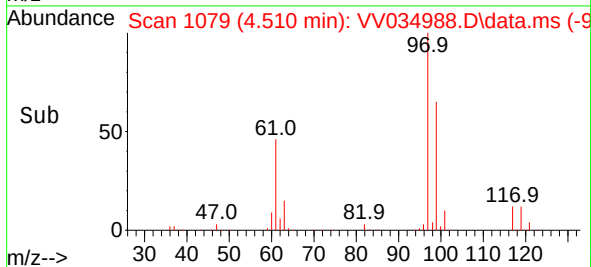
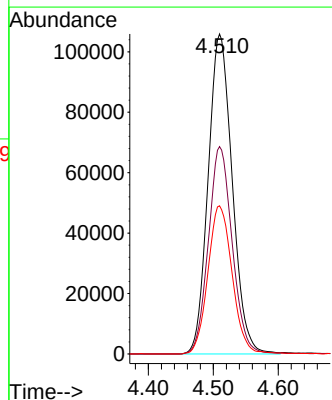
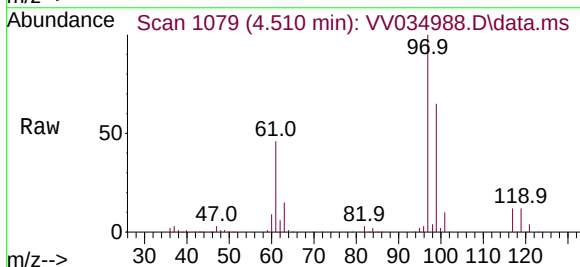
Tgt Ion: 97 Resp: 273010

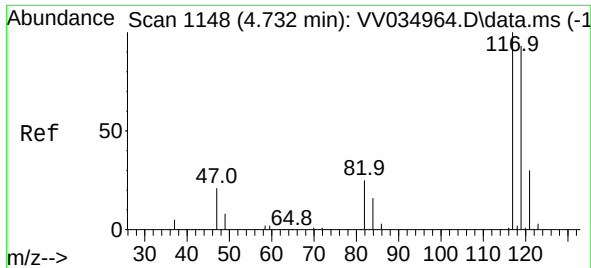
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.4

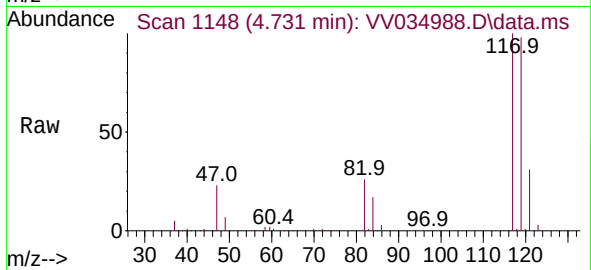
61 46.5 36.8 55.2



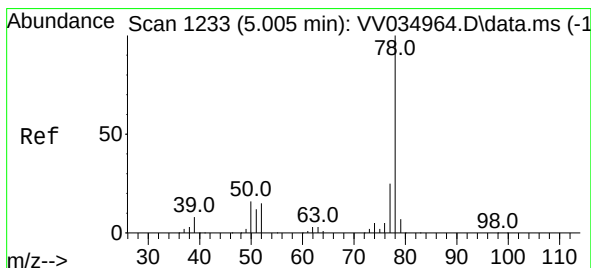
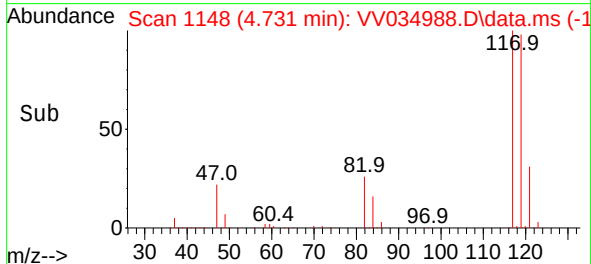
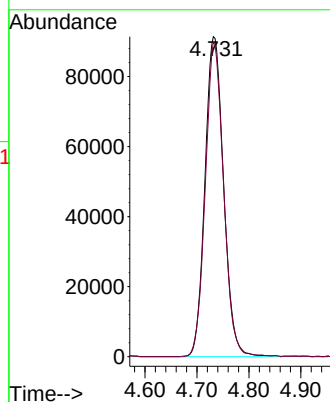


#31
Carbon tetrachloride
Concen: 44.754 ug/L
RT: 4.731 min Scan# 1148
Delta R.T. -0.000 min
Lab File: VV034988.D
Acq: 04 Apr 2024 19:08

Instrument :
MSVOA_V
ClientSampleId :

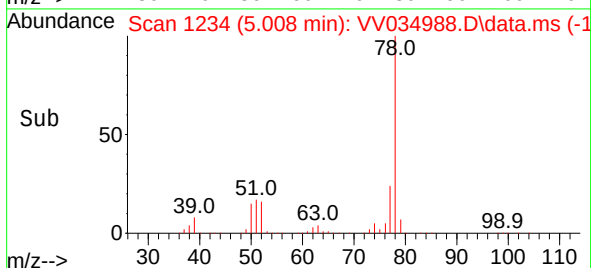
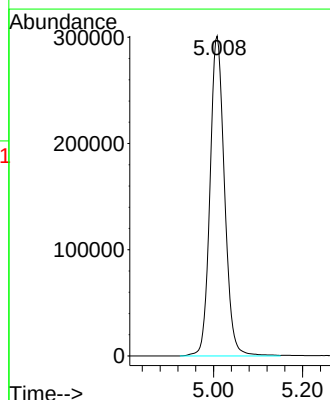
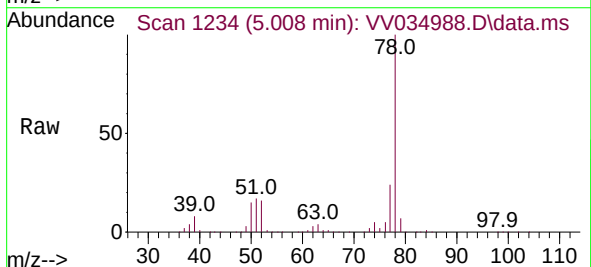


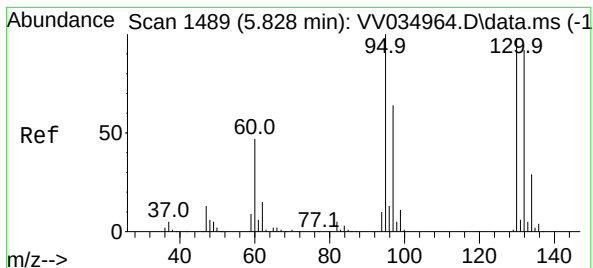
Tgt Ion:117 Resp: 228155
Ion Ratio Lower Upper
117 100
119 95.9 77.1 115.7



#33
Benzene
Concen: 45.173 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV034988.D
Acq: 04 Apr 2024 19:08

Tgt Ion: 78 Resp: 679707





#34

Trichloroethene

Concen: 43.259 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 175665

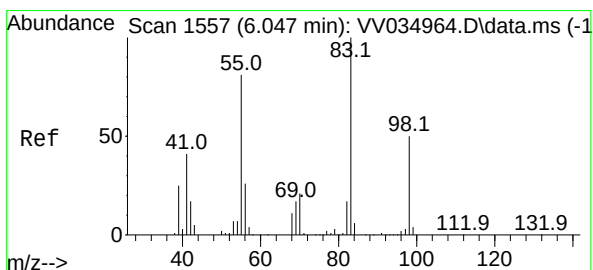
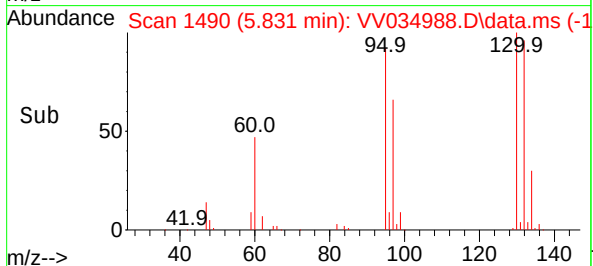
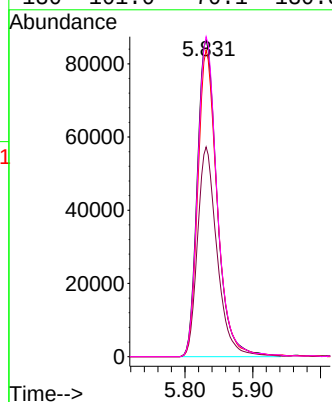
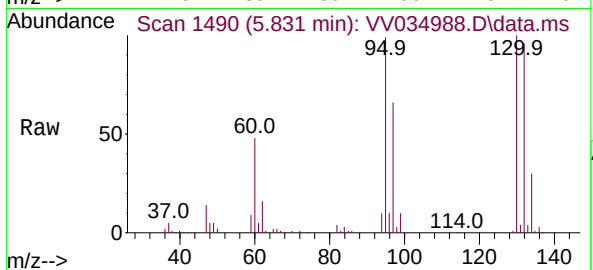
Ion Ratio Lower Upper

95 100

97 66.2 45.3 84.1

132 96.8 65.3 121.3

130 101.0 70.1 130.3



#35

Methylcyclohexane

Concen: 38.801 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

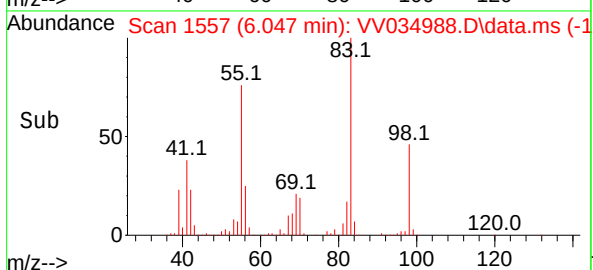
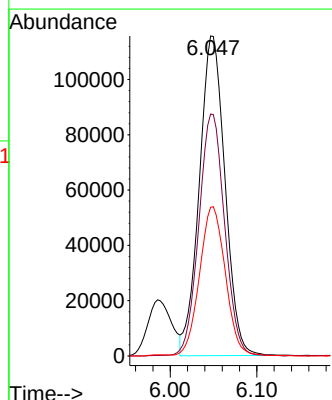
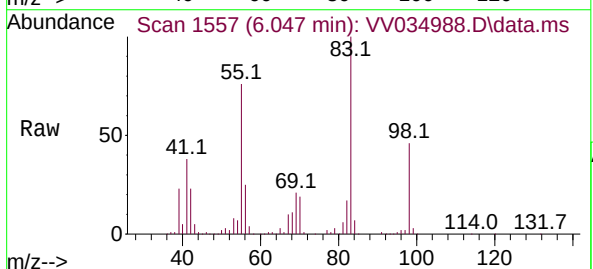
Tgt Ion: 83 Resp: 237954

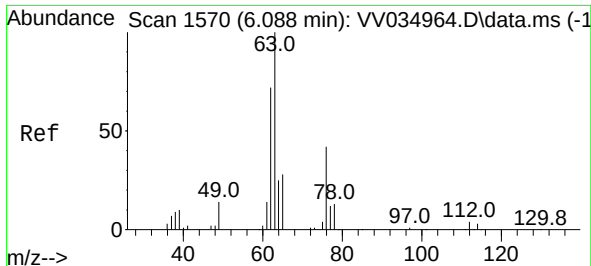
Ion Ratio Lower Upper

83 100

55 76.3 60.0 90.0

98 47.2 37.6 56.4





#37

1,2-Dichloropropane

Concen: 46.969 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

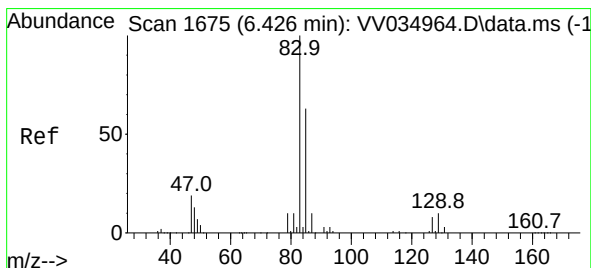
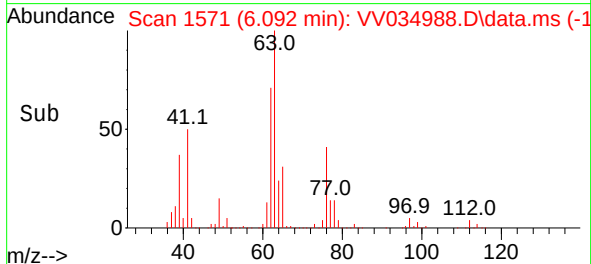
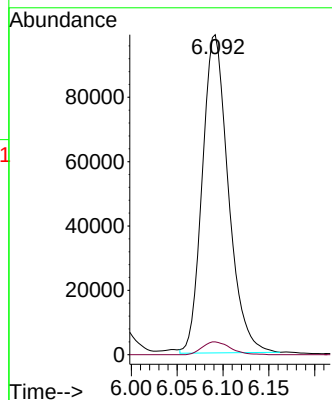
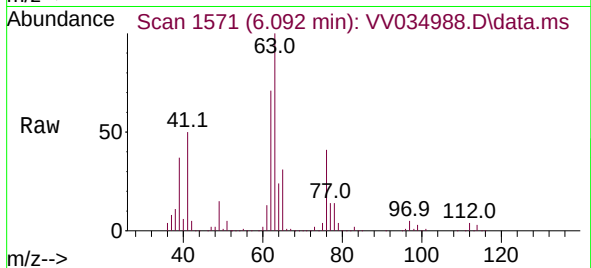
ClientSampleId :

Tgt Ion: 63 Resp: 195304

Ion Ratio Lower Upper

63 100

112 4.3 3.3 4.9



#38

Bromodichloromethane

Concen: 47.309 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

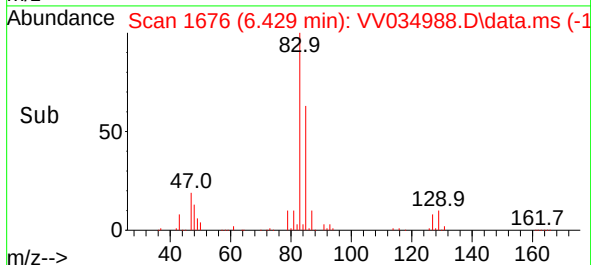
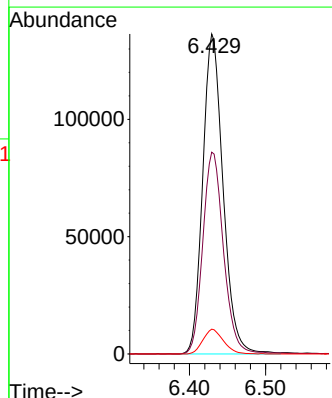
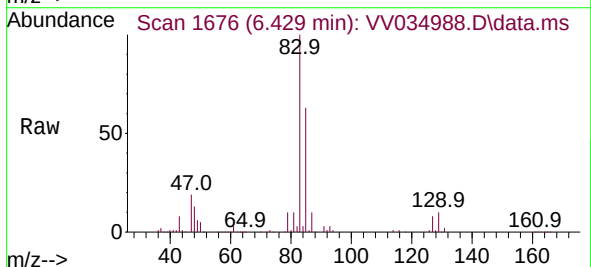
Tgt Ion: 83 Resp: 253816

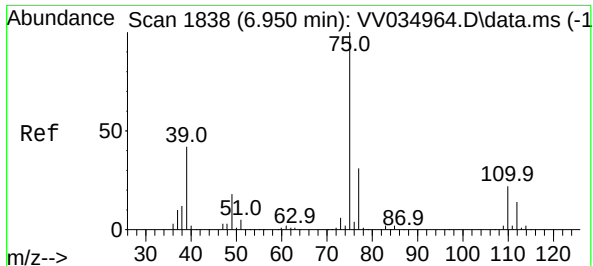
Ion Ratio Lower Upper

83 100

85 63.1 43.7 81.1

127 7.8 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 45.022 ug/L

RT: 6.950 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

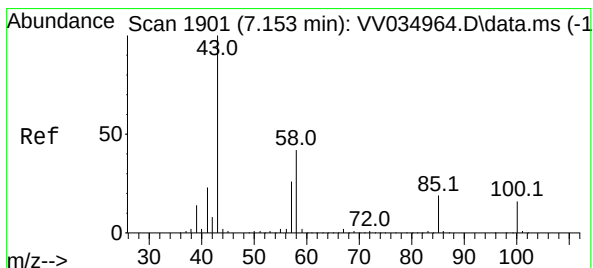
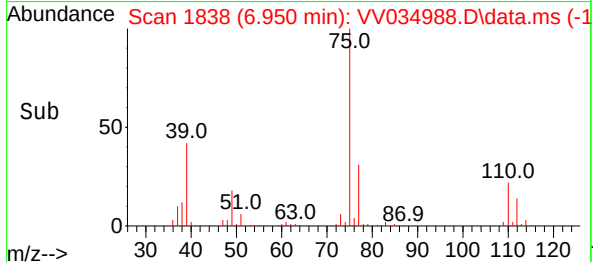
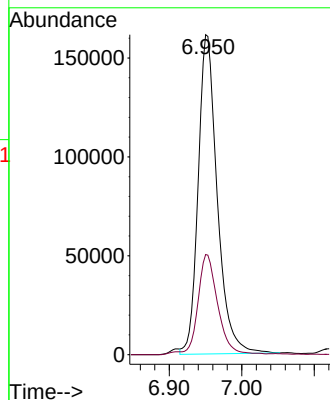
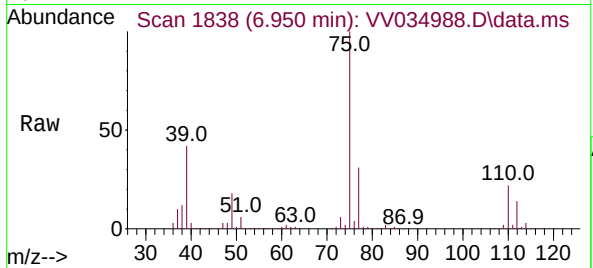
ClientSampleId :

Tgt Ion: 75 Resp: 294911

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 100.648 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

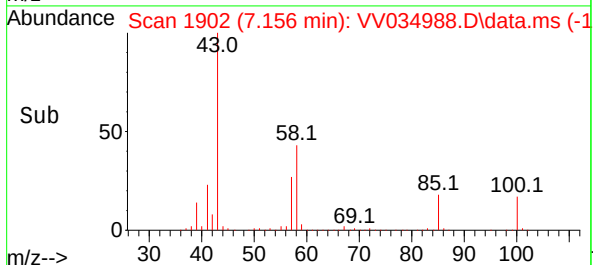
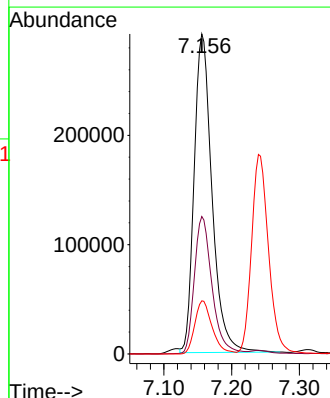
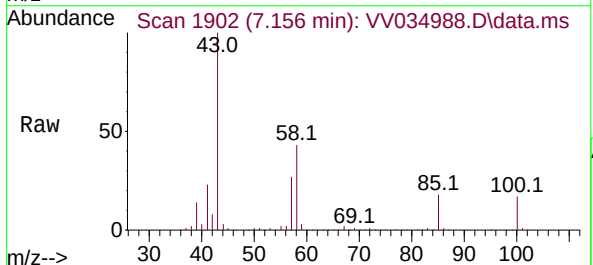
Tgt Ion: 43 Resp: 534342

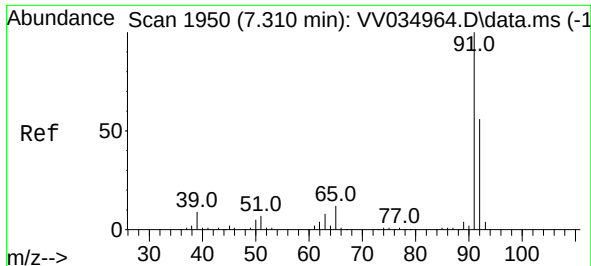
Ion Ratio Lower Upper

43 100

58 42.8 33.8 50.8

100 16.2 13.0 19.4





#42

Toluene

Concen: 45.730 ug/L

RT: 7.313 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

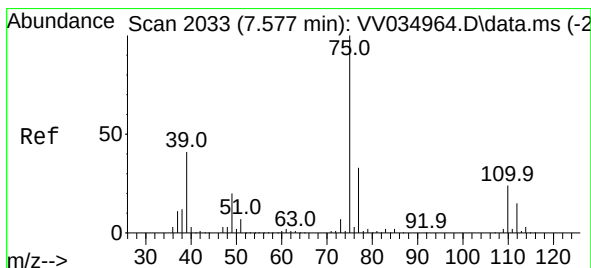
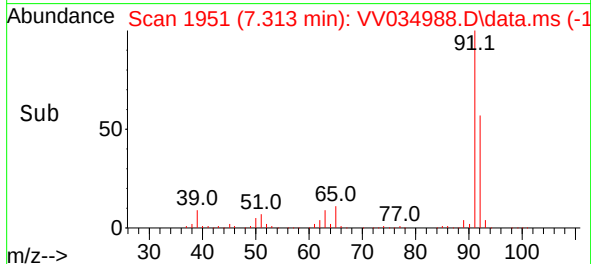
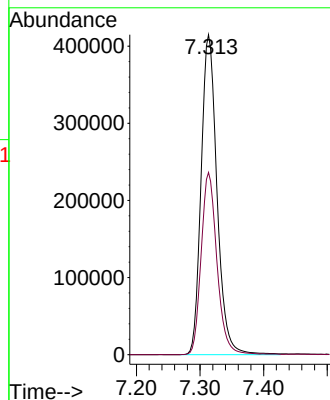
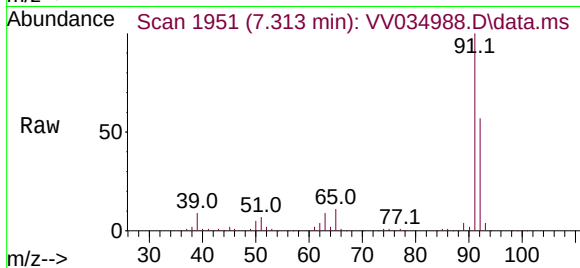
ClientSampleId :

Tgt Ion: 91 Resp: 720369

Ion Ratio Lower Upper

91 100

92 56.9 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 47.829 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV034988.D

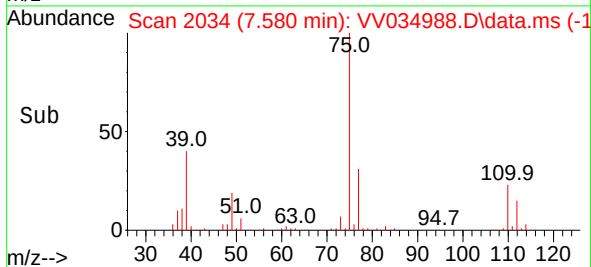
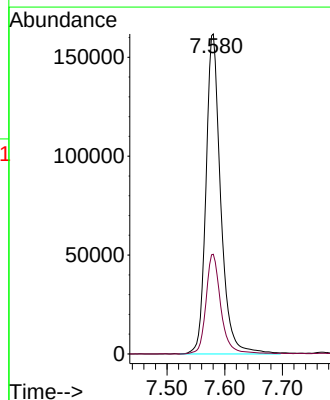
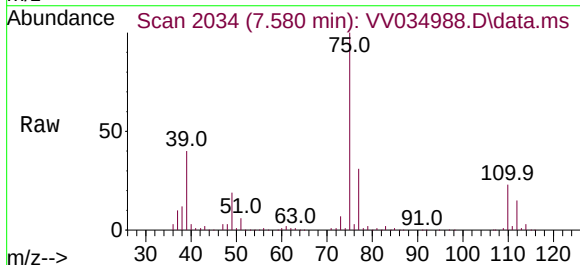
Acq: 04 Apr 2024 19:08

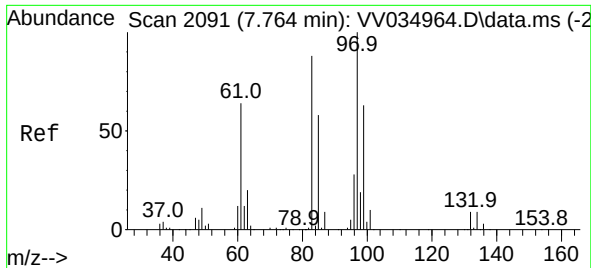
Tgt Ion: 75 Resp: 287836

Ion Ratio Lower Upper

75 100

77 31.1 21.7 40.3

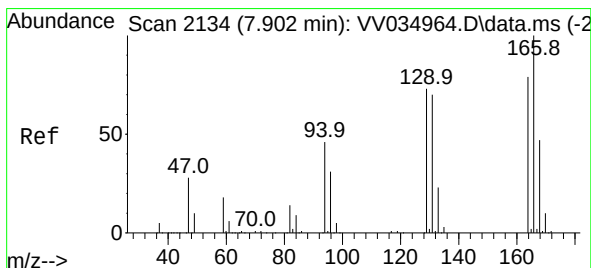
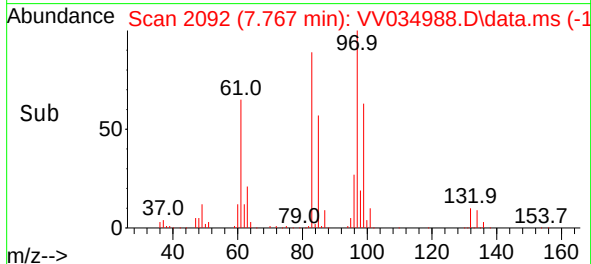
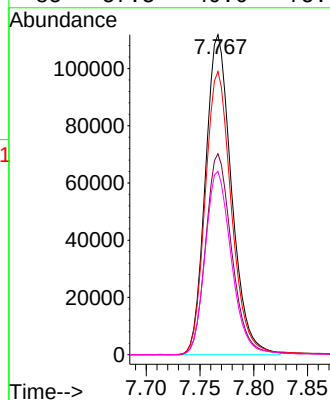
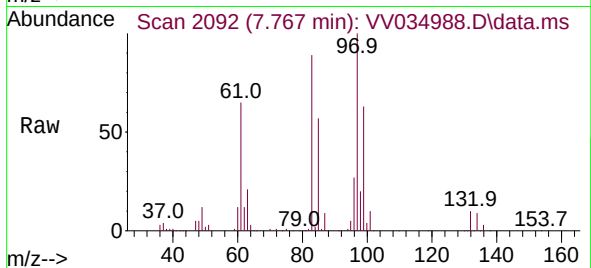




#45
1,1,2-Trichloroethane
Concen: 48.138 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV034988.D
Acq: 04 Apr 2024 19:08

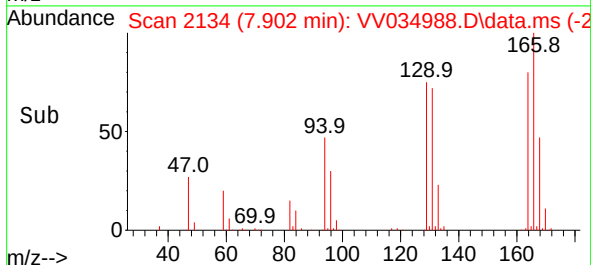
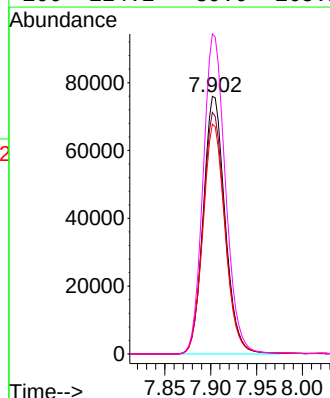
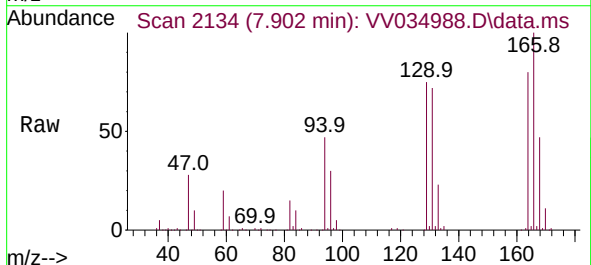
Instrument :
MSVOA_V
ClientSampleId :

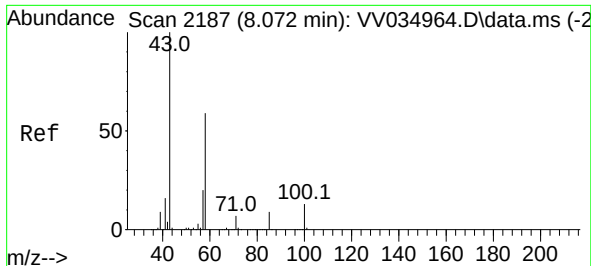
Tgt Ion: 97 Resp: 188665
Ion Ratio Lower Upper
97 100
99 62.8 43.3 80.3
83 88.5 61.6 114.4
85 57.3 40.6 75.4



#46
Tetrachloroethene
Concen: 44.333 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.000 min
Lab File: VV034988.D
Acq: 04 Apr 2024 19:08

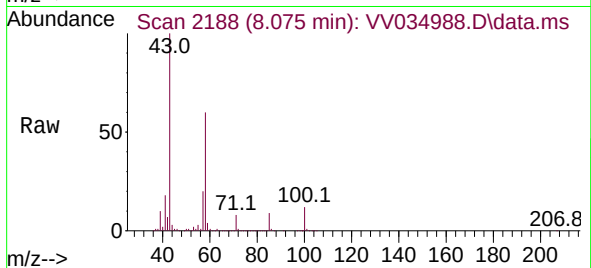
Tgt Ion:164 Resp: 125771
Ion Ratio Lower Upper
164 100
129 93.8 68.6 127.4
131 89.2 65.7 122.1
166 124.2 89.0 165.2



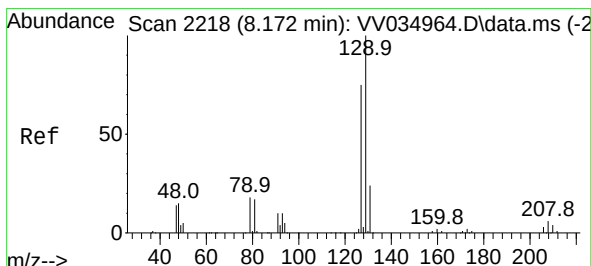
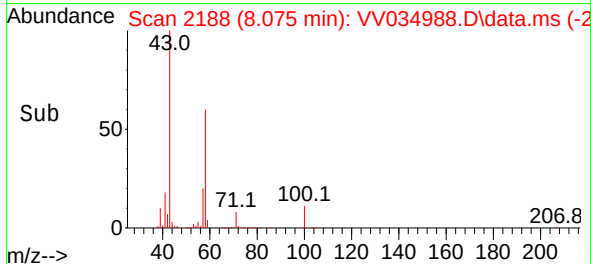
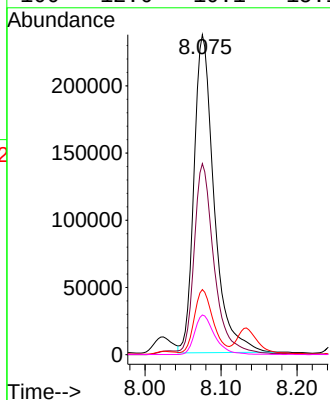


#48
2-Hexanone
Concen: 96.637 ug/L
RT: 8.075 min Scan# 2187
Delta R.T. 0.003 min
Lab File: VV034988.D
Acq: 04 Apr 2024 19:08

Instrument :
MSVOA_V
ClientSampleId :

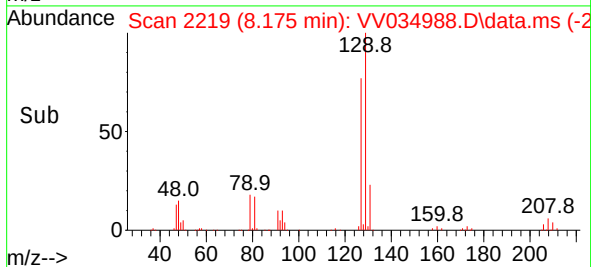
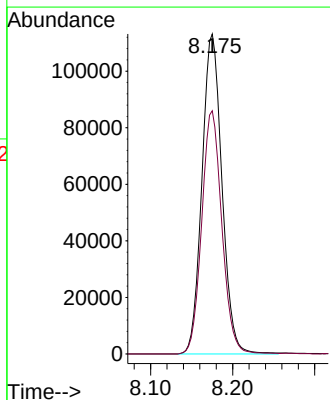
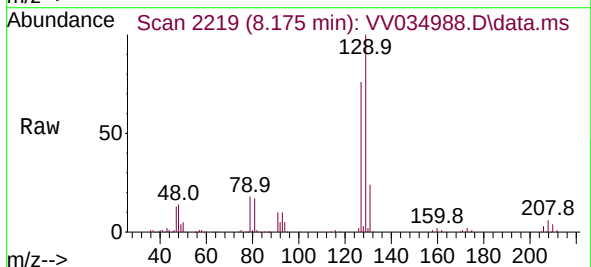


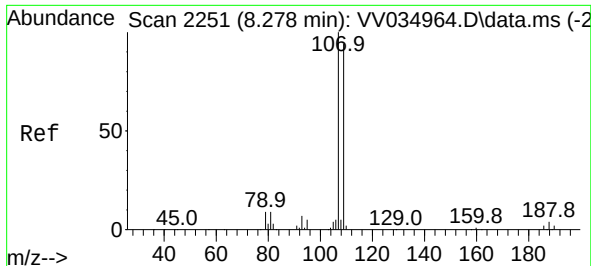
Tgt Ion: 43 Resp: 436349
Ion Ratio Lower Upper
43 100
58 58.8 45.4 68.2
57 19.2 16.2 24.4
100 12.6 10.1 15.1



#49
Dibromochloromethane
Concen: 49.444 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.003 min
Lab File: VV034988.D
Acq: 04 Apr 2024 19:08

Tgt Ion: 129 Resp: 191927
Ion Ratio Lower Upper
129 100
127 76.0 54.1 100.5

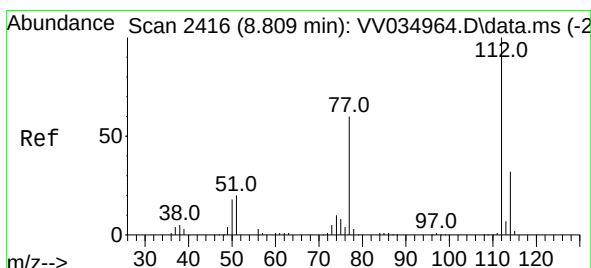
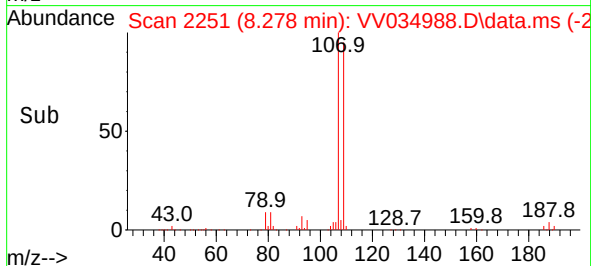
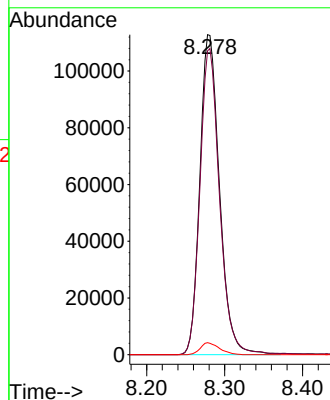
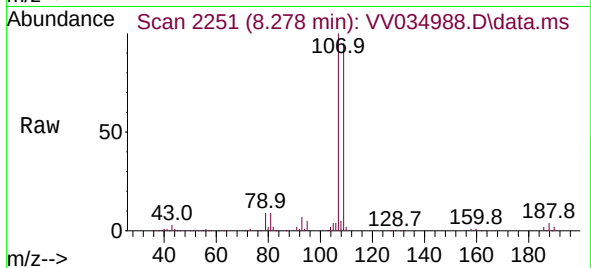




#50
1,2-Dibromoethane
Concen: 46.900 ug/L
RT: 8.278 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV034988.D
Acq: 04 Apr 2024 19:08

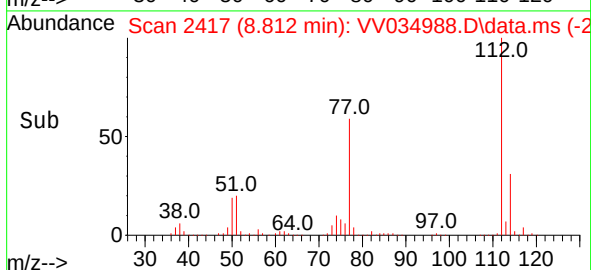
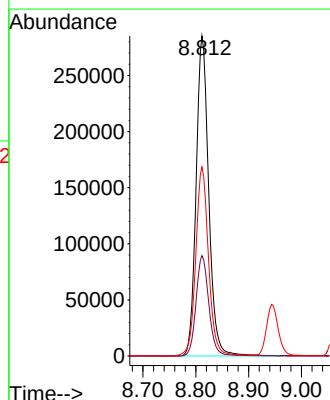
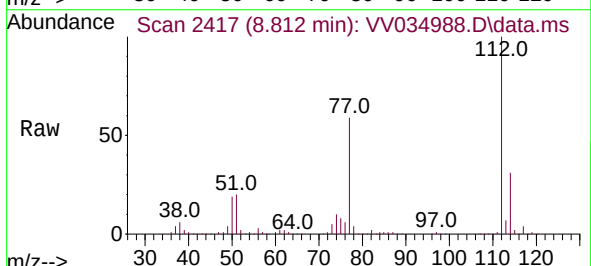
Instrument :
MSVOA_V
ClientSampleId :

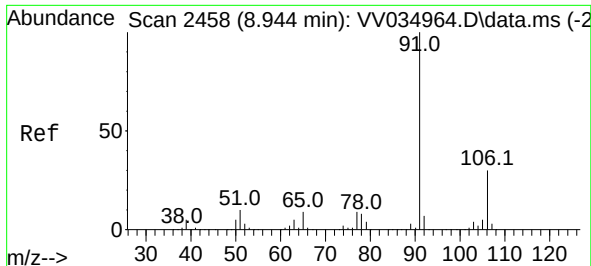
Tgt Ion:107 Resp: 197897
Ion Ratio Lower Upper
107 100
109 95.0 64.5 119.9
188 3.8 2.8 4.2



#51
Chlorobenzene
Concen: 46.197 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV034988.D
Acq: 04 Apr 2024 19:08

Tgt Ion:112 Resp: 471654
Ion Ratio Lower Upper
112 100
114 31.3 22.0 41.0
77 59.0 47.4 71.2





#52

Ethylbenzene

Concen: 45.209 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

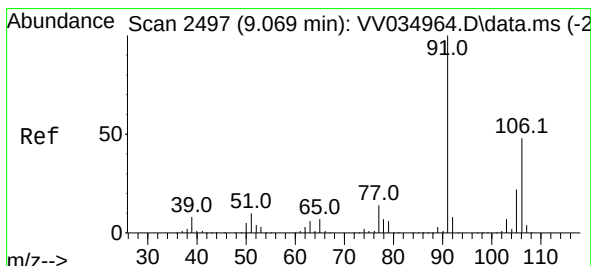
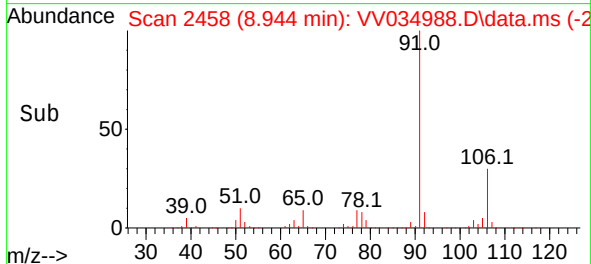
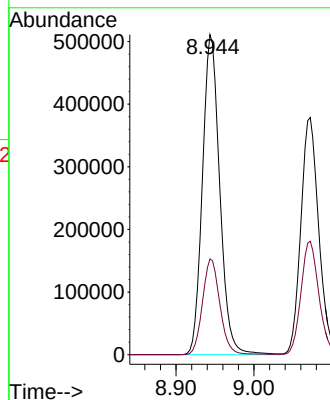
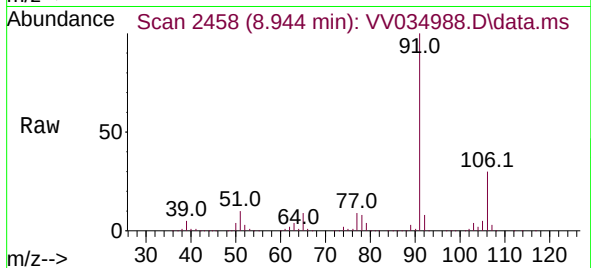
ClientSampleId :

Tgt Ion: 91 Resp: 789281

Ion Ratio Lower Upper

91 100

106 29.9 21.3 39.5



#53

m,p-Xylene

Concen: 45.030 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV034988.D

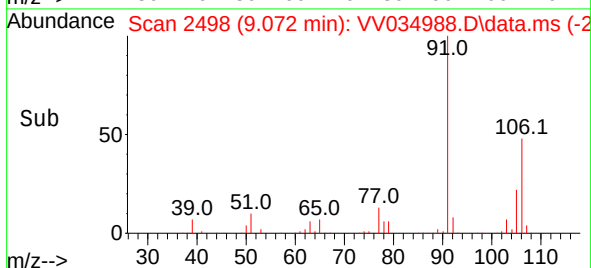
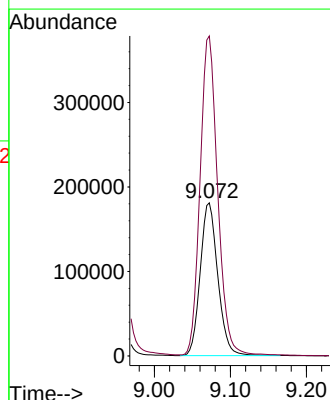
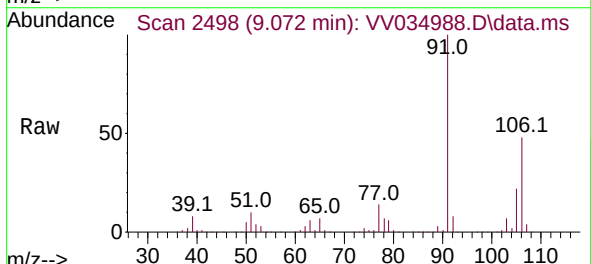
Acq: 04 Apr 2024 19:08

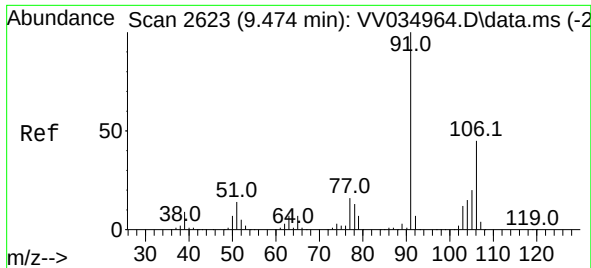
Tgt Ion:106 Resp: 289513

Ion Ratio Lower Upper

106 100

91 209.1 144.8 269.0

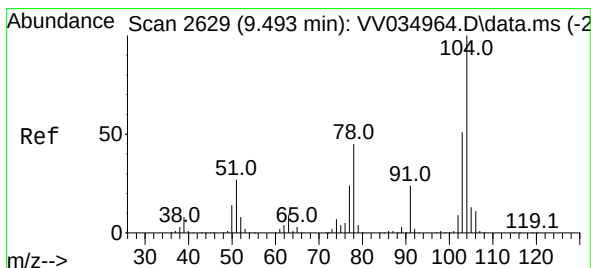
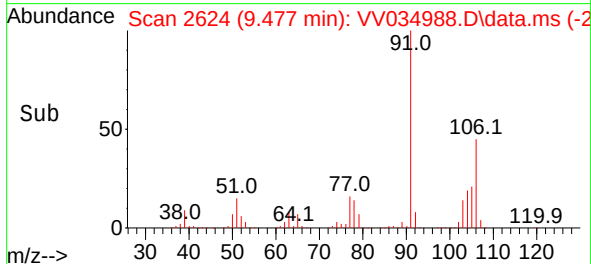
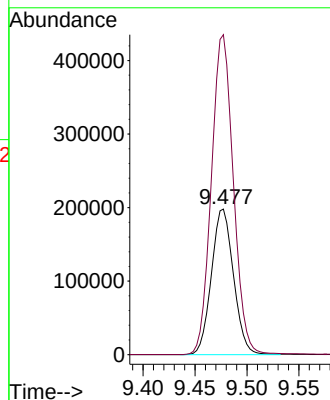
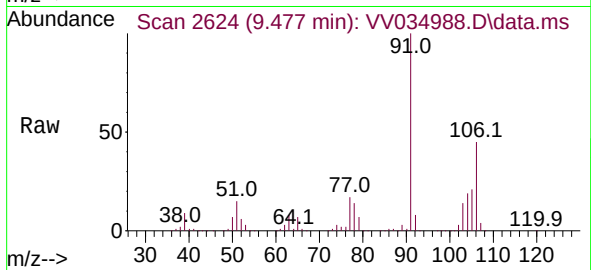




#54
o-Xylene
Concen: 46.088 ug/L
RT: 9.477 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV034988.D
Acq: 04 Apr 2024 19:08

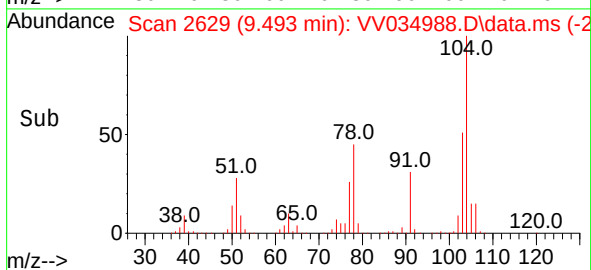
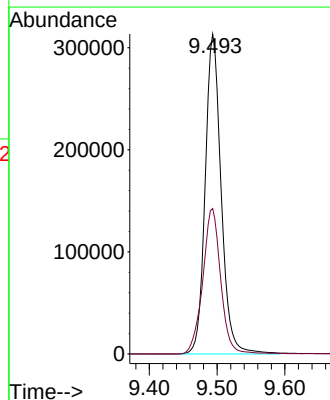
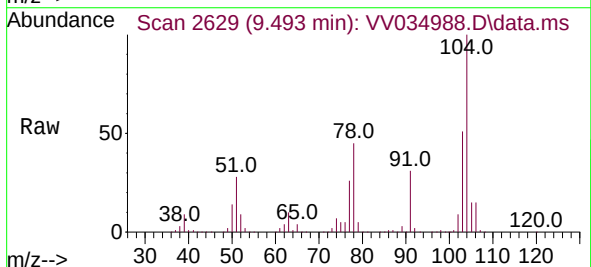
Instrument :
MSVOA_V
ClientSampleId :

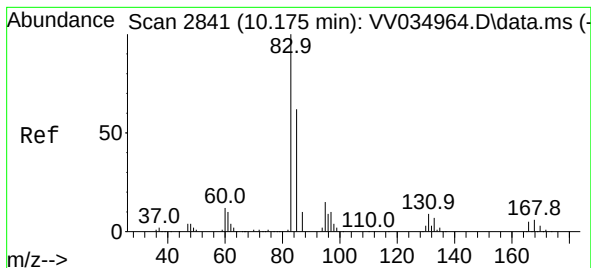
Tgt Ion:106 Resp: 293189
Ion Ratio Lower Upper
106 100
91 219.8 151.3 280.9



#55
Styrene
Concen: 47.822 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV034988.D
Acq: 04 Apr 2024 19:08

Tgt Ion:104 Resp: 514092
Ion Ratio Lower Upper
104 100
78 45.4 31.5 58.5





#57

1,1,2,2-Tetrachloroethane

Concen: 50.423 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

ClientSampleId :

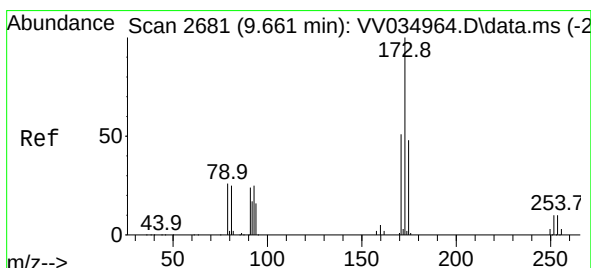
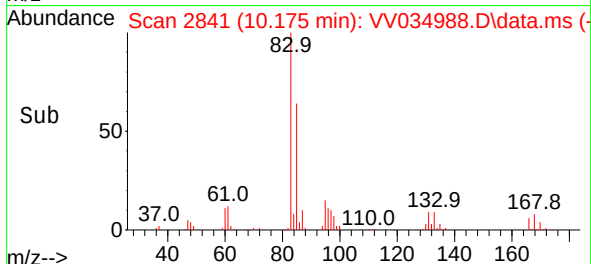
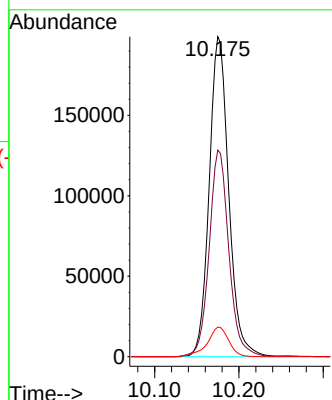
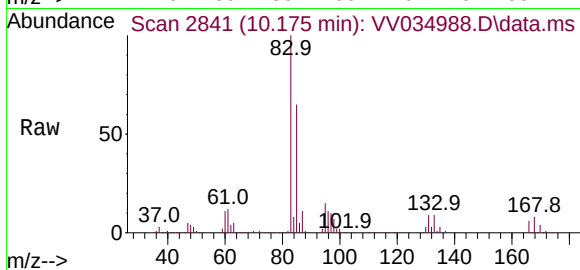
Tgt Ion: 83 Resp: 320193

Ion Ratio Lower Upper

83 100

85 64.5 44.5 82.7

131 9.3 6.9 10.3



#59

Bromoform

Concen: 54.163 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

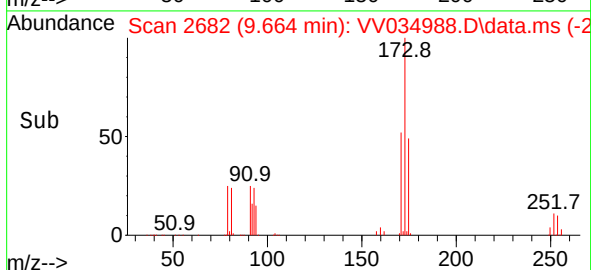
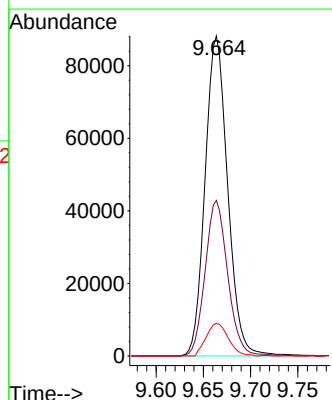
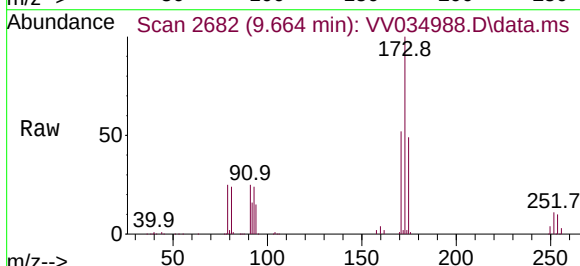
Tgt Ion: 173 Resp: 146574

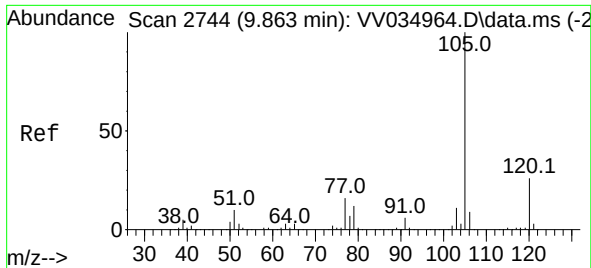
Ion Ratio Lower Upper

173 100

175 48.7 39.3 58.9

254 10.0 7.5 11.3

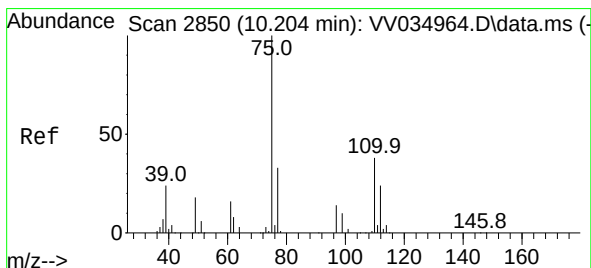
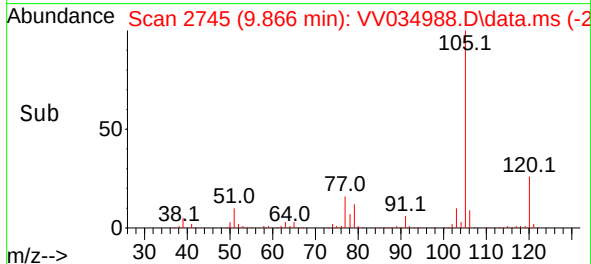
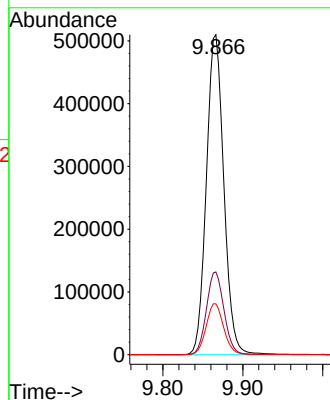
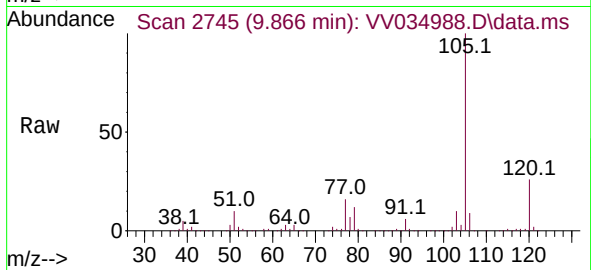




#60
Isopropylbenzene
Concen: 45.524 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034988.D
Acq: 04 Apr 2024 19:08

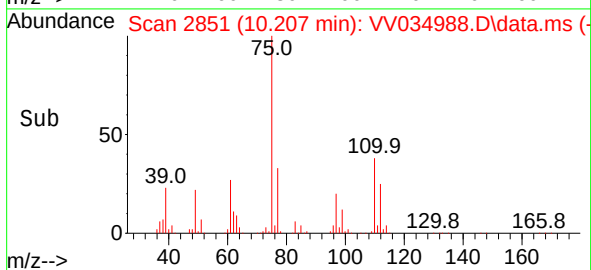
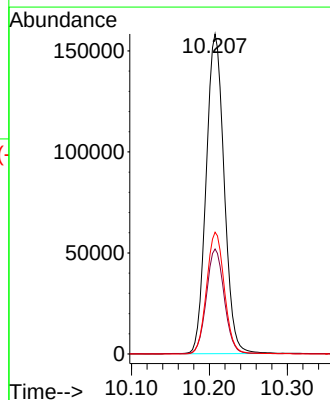
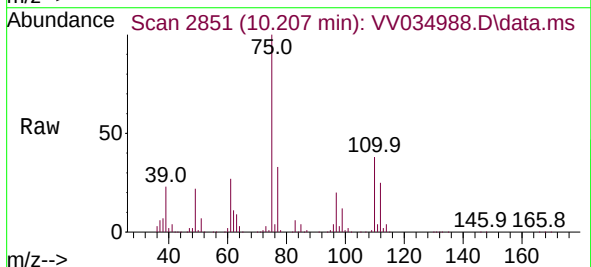
Instrument :
MSVOA_V
ClientSampleId :

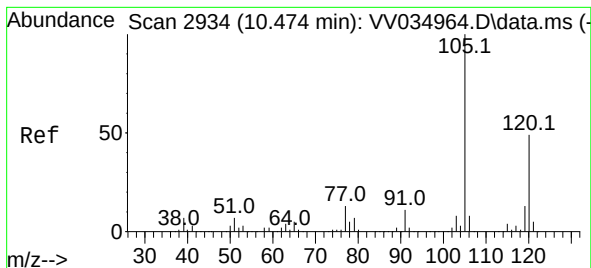
Tgt Ion:105 Resp: 774995
Ion Ratio Lower Upper
105 100
120 26.1 21.0 31.6
77 16.0 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 49.579 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.003 min
Lab File: VV034988.D
Acq: 04 Apr 2024 19:08

Tgt Ion: 75 Resp: 253702
Ion Ratio Lower Upper
75 100
77 32.3 26.0 39.0
110 37.8 30.5 45.7





#62

1,3,5-Trimethylbenzene

Concen: 46.512 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

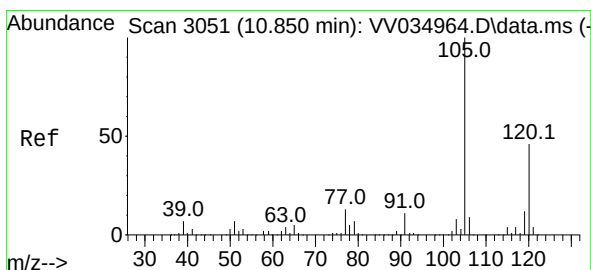
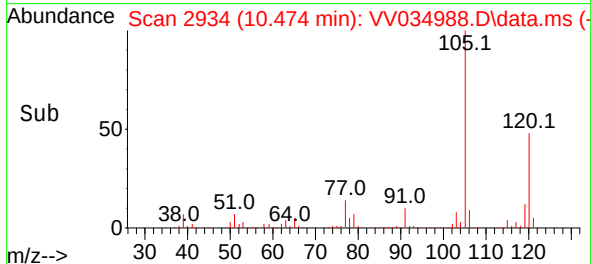
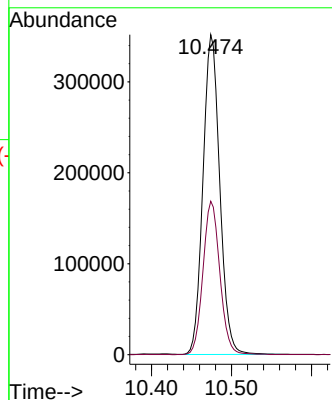
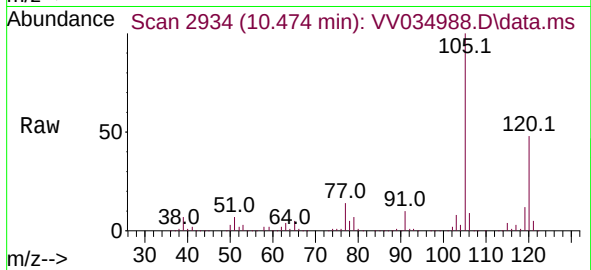
ClientSampleId :

Tgt Ion:105 Resp: 514248

Ion Ratio Lower Upper

105 100

120 48.2 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 46.813 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV034988.D

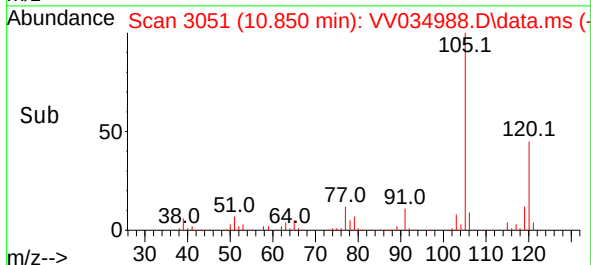
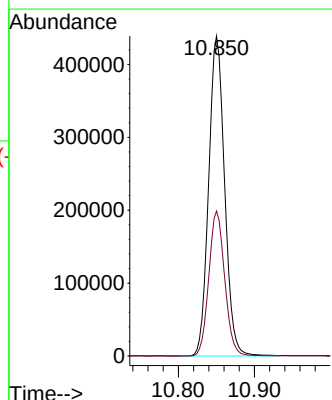
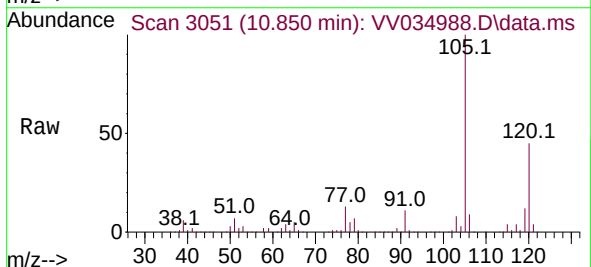
Acq: 04 Apr 2024 19:08

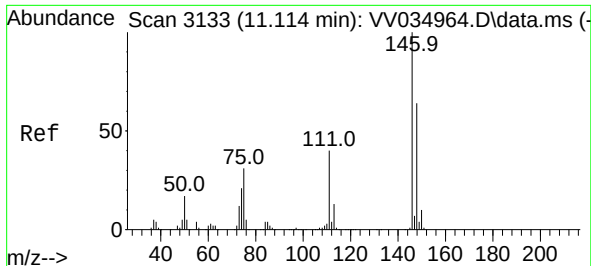
Tgt Ion:105 Resp: 639921

Ion Ratio Lower Upper

105 100

120 45.2 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 46.422 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

ClientSampleId :

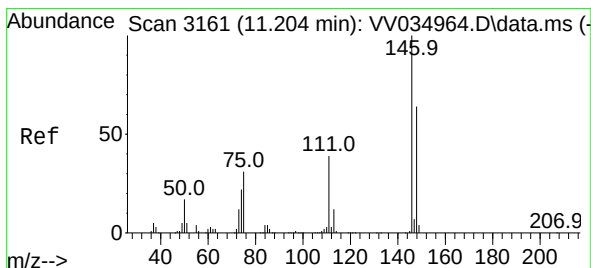
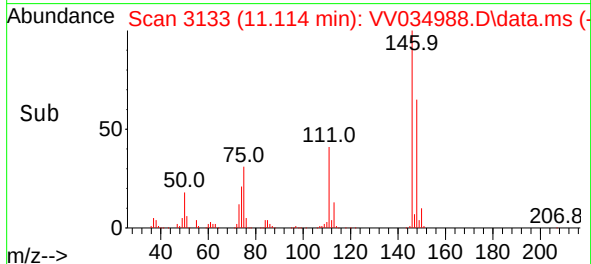
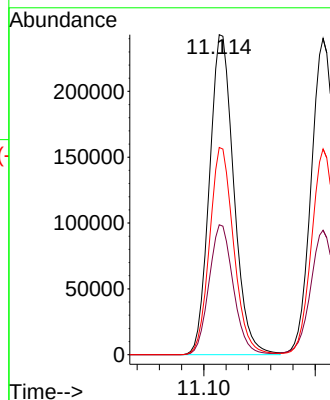
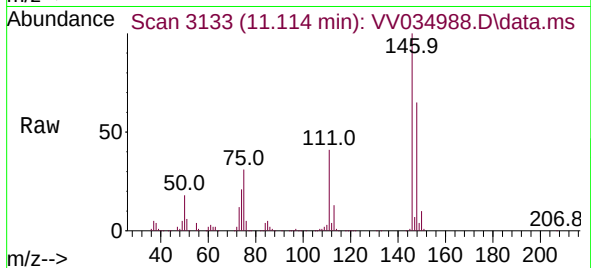
Tgt Ion:146 Resp: 369316

Ion Ratio Lower Upper

146 100

111 40.6 28.7 53.3

148 64.7 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 46.362 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

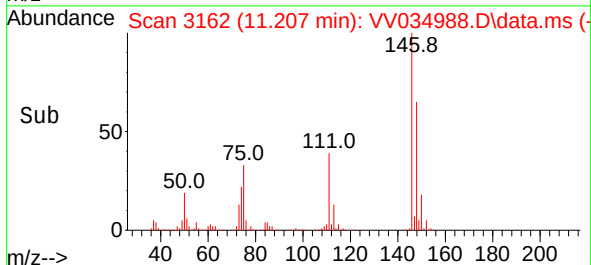
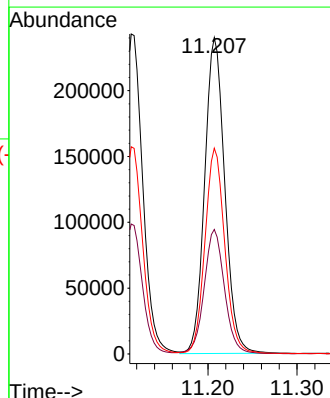
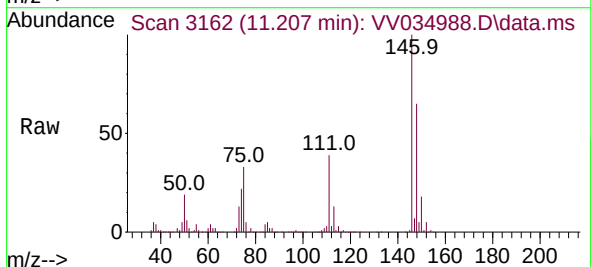
Tgt Ion:146 Resp: 375083

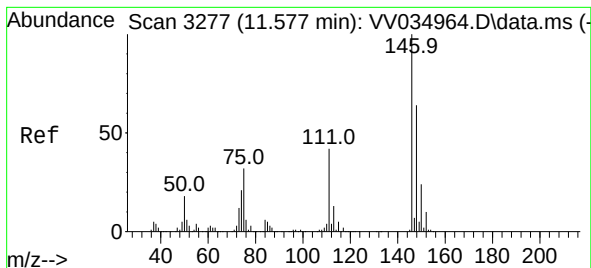
Ion Ratio Lower Upper

146 100

111 39.4 27.4 50.8

148 65.0 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 48.365 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

ClientSampleId :

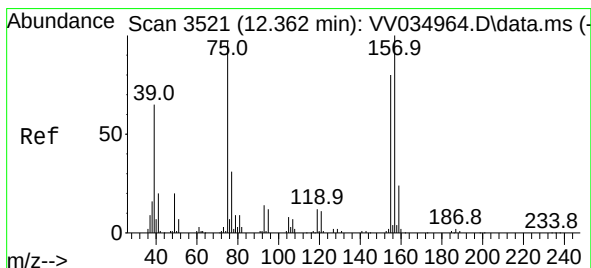
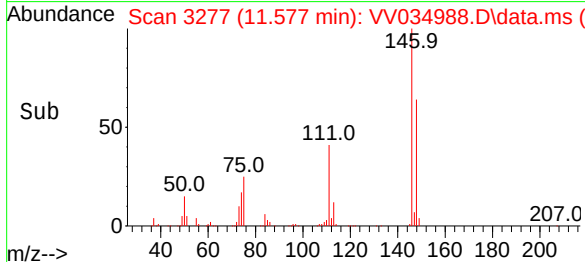
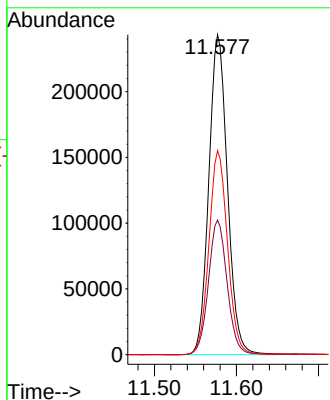
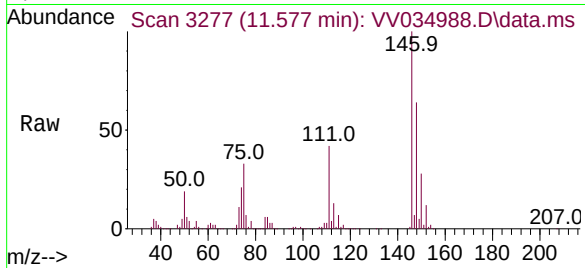
Tgt Ion:146 Resp: 383306

Ion Ratio Lower Upper

146 100

111 42.1 34.6 52.0

148 63.7 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 48.205 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

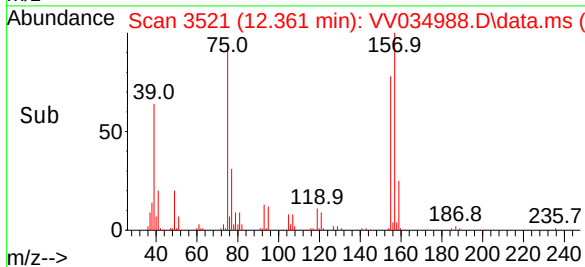
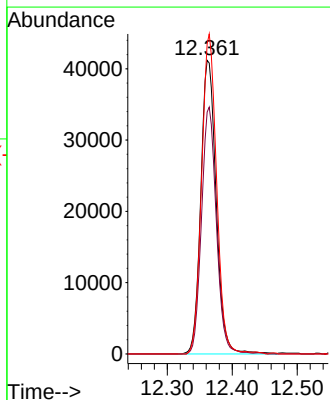
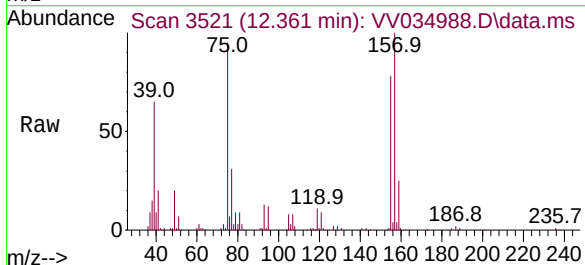
Tgt Ion: 75 Resp: 67957

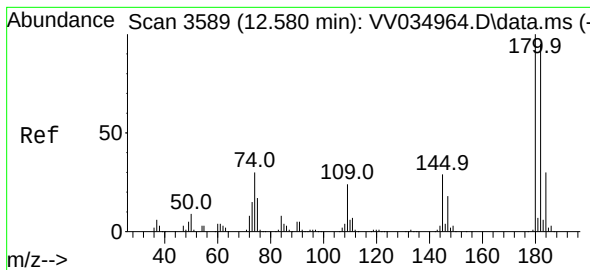
Ion Ratio Lower Upper

75 100

155 82.4 63.0 94.6

157 105.6 81.0 121.4





#69

1,3,5-Trichlorobenzene

Concen: 45.731 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

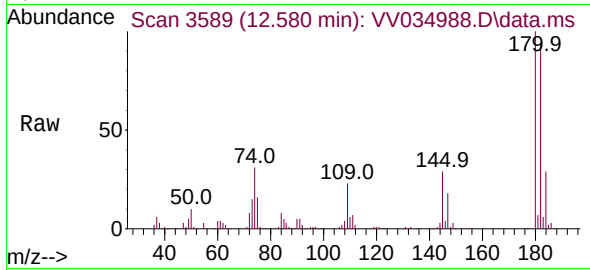
Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 262204

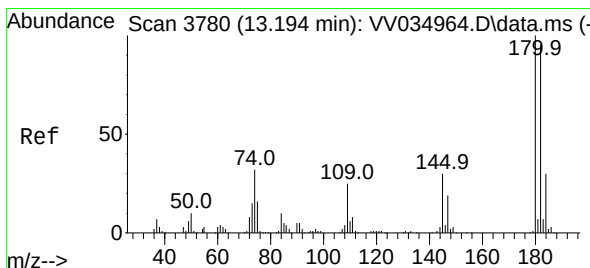
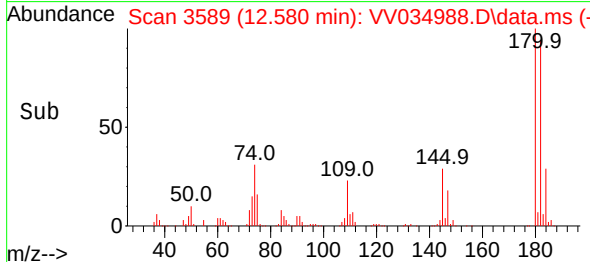
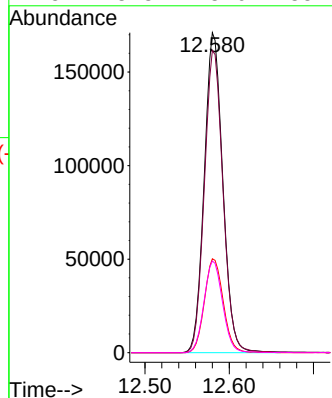
Ion Ratio Lower Upper

180 100

182 95.2 74.7 112.1

184 29.7 24.0 36.0

145 28.8 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 42.545 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

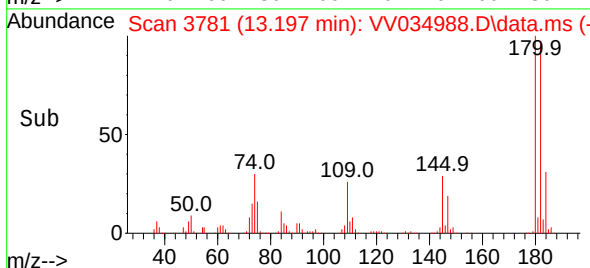
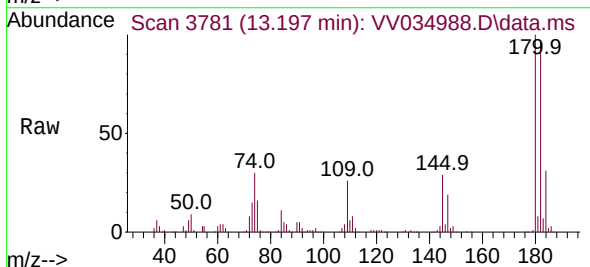
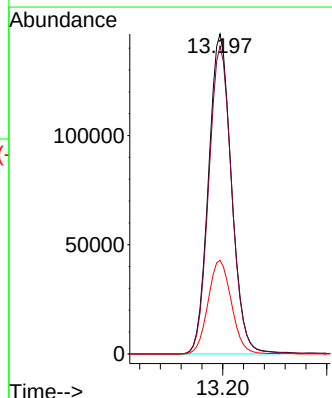
Tgt Ion:180 Resp: 224072

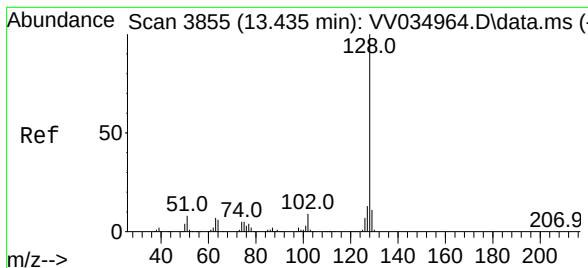
Ion Ratio Lower Upper

180 100

182 96.5 75.6 113.4

145 29.8 24.1 36.1





#71

Naphthalene

Concen: 44.325 ug/L

RT: 13.438 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Instrument :

MSVOA_V

ClientSampleId :

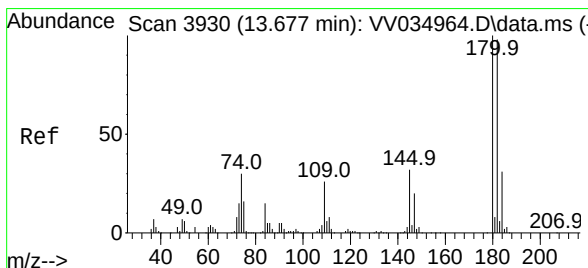
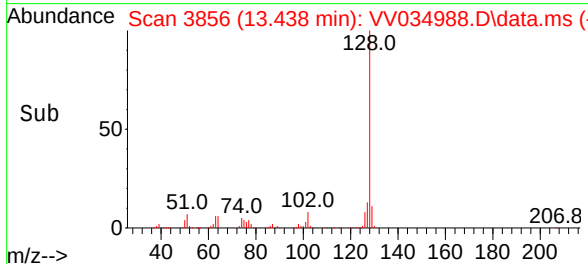
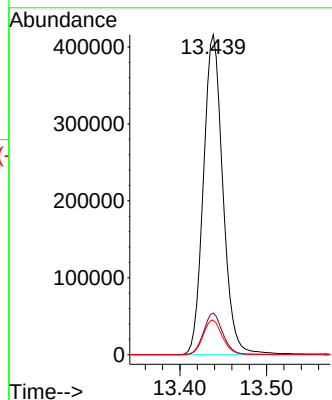
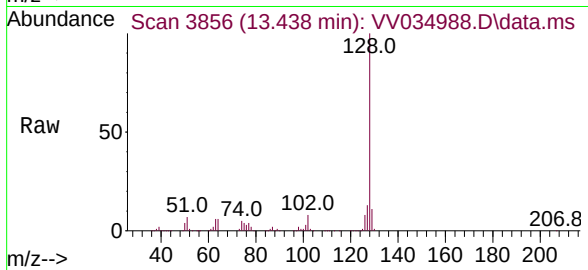
Tgt Ion:128 Resp: 647683

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 45.098 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV034988.D

Acq: 04 Apr 2024 19:08

Tgt Ion:180 Resp: 234127

Ion Ratio Lower Upper

180 100

182 95.9 76.2 114.2

145 31.5 25.8 38.6

