

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031924\
 Data File : VV034695.D
 Acq On : 18 Mar 2024 13:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 19 02:48:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 16 00:58:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	365245	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	342448	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	182525	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	163641	51.682	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.360%
7) Chloroethane-d5	1.529	69	123798	50.186	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.380%
11) 1,1-Dichloroethene-d2	2.056	65	70633	49.326	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.660%
21) 2-Butanone-d5	3.786	46	203517	96.115	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.120%
24) Chloroform-d	4.246	84	269943	48.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.440%
26) 1,2-Dichloroethane-d4	4.940	65	176396	48.217	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.440%
32) Benzene-d6	4.956	84	525517	50.847	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.700%
36) 1,2-Dichloropropane-d6	5.989	67	156304	49.556	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.120%
41) Toluene-d8	7.239	98	480577	51.383	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.760%
43) trans-1,3-Dichloroprop...	7.551	79	82304	51.963	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.920%
47) 2-Hexanone-d5	8.024	63	132719	84.265	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.270%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	208599	50.256	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.520%
66) 1,2-Dichlorobenzene-d4	11.557	152	180817	48.465	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.940%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.108	85	160692	41.944	ug/L	100
3) Chloromethane	1.217	50	148089	39.338	ug/L	99
5) Vinyl chloride	1.285	62	153613	42.037	ug/L	98
6) Bromomethane	1.487	94	93374	42.588	ug/L	99
8) Chloroethane	1.545	64	95111	43.790	ug/L	99
9) Trichlorofluoromethane	1.712	101	237873	43.468	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	134774	45.695	ug/L	99
12) 1,1-Dichloroethene	2.069	96	117551	42.981	ug/L	97
13) Acetone	2.117	43	238859	93.836	ug/L	99
14) Carbon disulfide	2.240	76	302103	39.801	ug/L	99
15) Methyl Acetate	2.371	43	174664	53.635	ug/L	99
16) Methylene chloride	2.445	84	142576	49.146	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	123843	46.784	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	484761	50.994	ug/L	99
19) 1,1-Dichloroethane	3.111	63	263339	50.783	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	142806	49.721	ug/L	96
22) 2-Butanone	3.866	43	255416	101.613	ug/L	98
23) Bromochloromethane	4.146	128	75378	50.754	ug/L	97
25) Chloroform	4.275	83	270065	50.247	ug/L	98

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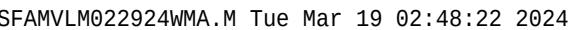
Instrument :
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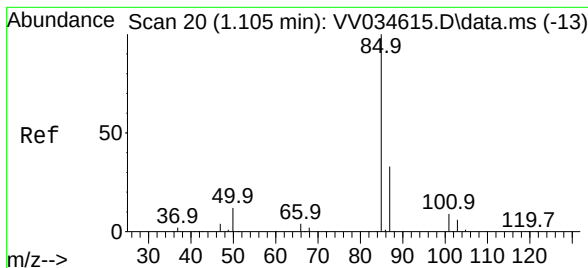
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	218446	50.024	ug/L	99
29) Cyclohexane	4.583	56	202448	44.945	ug/L	100
30) 1,1,1-Trichloroethane	4.510	97	237783	48.422	ug/L	99
31) Carbon tetrachloride	4.735	117	210433	48.401	ug/L	97
33) Benzene	5.008	78	526043	49.489	ug/L	100
34) Trichloroethene	5.831	95	141456	46.816	ug/L	98
35) Methylcyclohexane	6.050	83	213227	46.420	ug/L	99
37) 1,2-Dichloropropane	6.091	63	145260	52.197	ug/L	99
38) Bromodichloromethane	6.432	83	197488	50.450	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	227008	50.347	ug/L	96
40) 4-Methyl-2-pentanone	7.156	43	445079	108.461	ug/L	99
42) Toluene	7.313	91	562157	49.970	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	227881	52.550	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	142637	53.121	ug/L	99
46) Tetrachloroethene	7.905	164	107753	47.953	ug/L	100
48) 2-Hexanone	8.072	43	366653	112.129	ug/L	98
49) Dibromochloromethane	8.175	129	149976	52.928	ug/L	99
50) 1,2-Dibromoethane	8.281	107	147179	51.654	ug/L	99
51) Chlorobenzene	8.812	112	367274	50.500	ug/L	100
52) Ethylbenzene	8.943	91	646589	51.295	ug/L	100
53) m,p-Xylene	9.072	106	239306	50.028	ug/L	100
54) o-Xylene	9.477	106	235593	50.297	ug/L	98
55) Styrene	9.493	104	418359	52.752	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	219868	54.517	ug/L	100
59) Bromoform	9.664	173	106330	52.543	ug/L	99
60) Isopropylbenzene	9.866	105	661029	51.206	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	182662	52.426	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	551945	50.686	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	556278	51.651	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	303509	50.851	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	303144	50.014	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	303490	50.744	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	55796	53.759	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	230045	51.377	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	205905	51.106	ug/L	99
71) Naphthalene	13.438	128	574681	53.324	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	208965	53.166	ug/L	99

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

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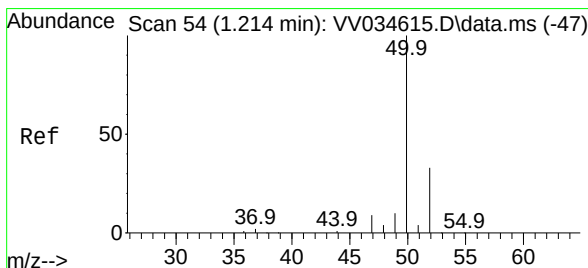
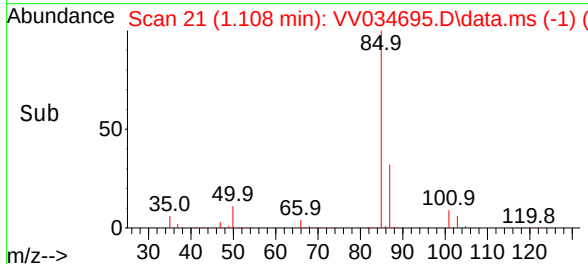
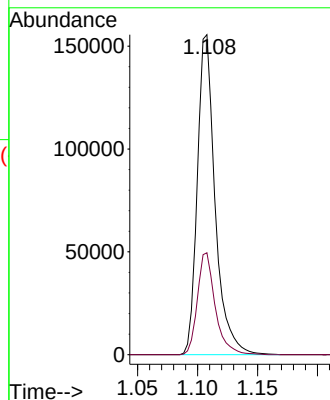
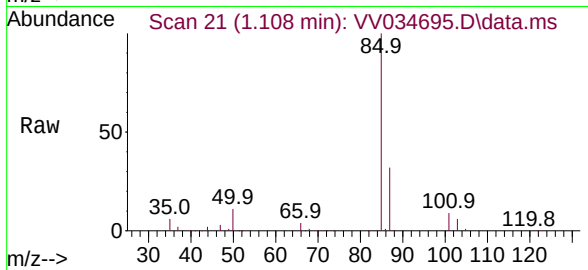




#2
Dichlorodifluoromethane
Concen: 41.944 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

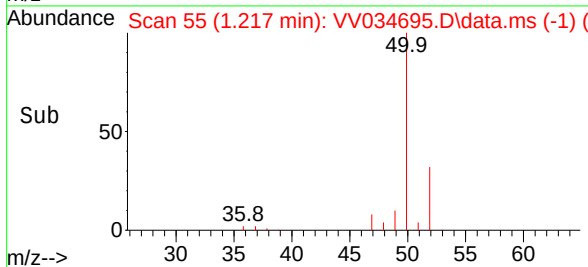
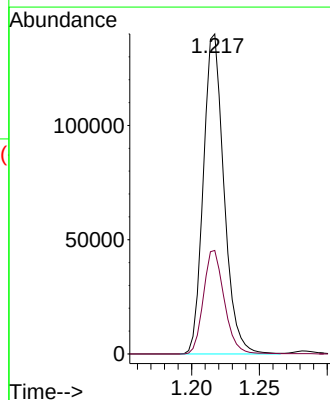
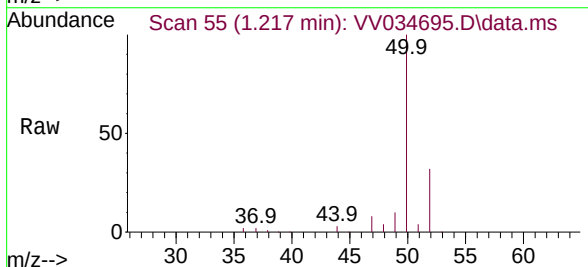
Instrument :
MSVOA_V
ClientSampleId :

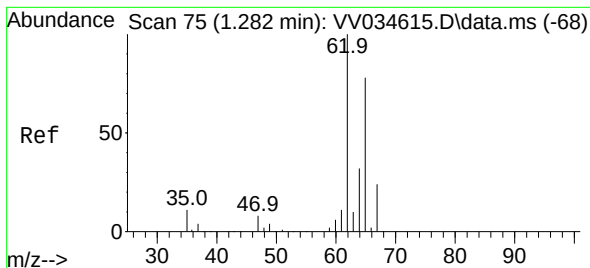
Tgt Ion: 85 Resp: 160692
Ion Ratio Lower Upper
85 100
87 32.0 25.5 38.3



#3
Chloromethane
Concen: 39.338 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.003 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

Tgt Ion: 50 Resp: 148089
Ion Ratio Lower Upper
50 100
52 32.4 23.0 42.8





#5

Vinyl chloride

Concen: 42.037 ug/L

RT: 1.285 min Scan# 75

Delta R.T. 0.003 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

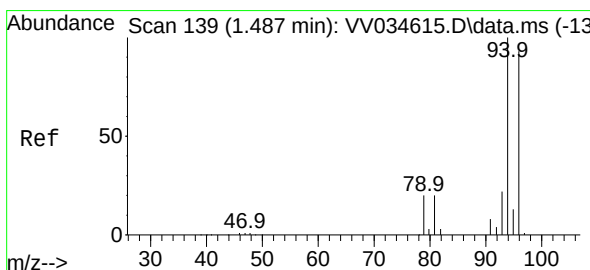
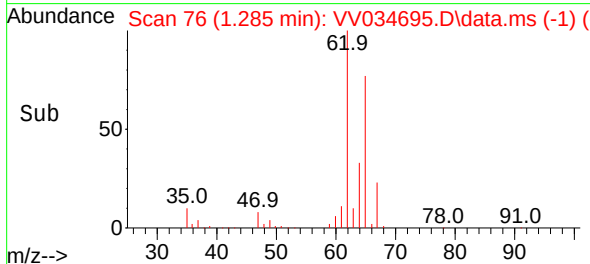
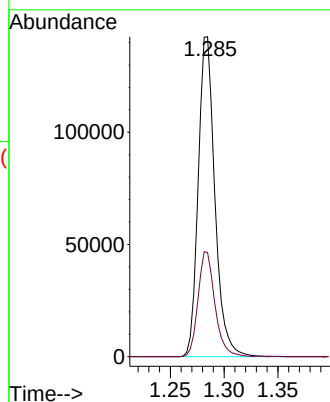
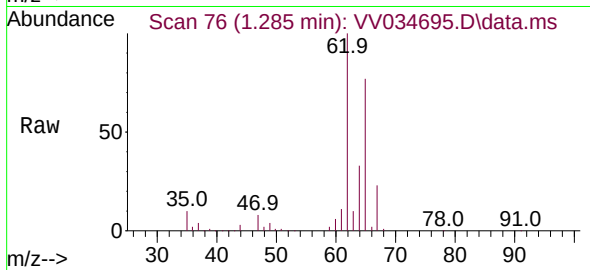
ClientSampleId :

Tgt Ion: 62 Resp: 153613

Ion Ratio Lower Upper

62 100

64 32.5 23.4 43.6



#6

Bromomethane

Concen: 42.588 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV034695.D

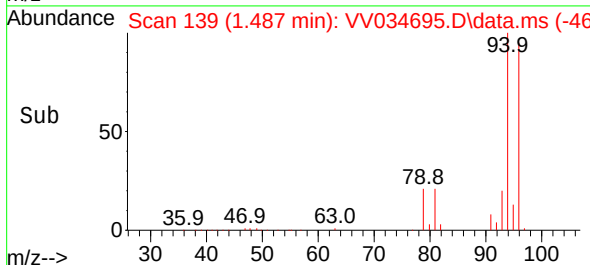
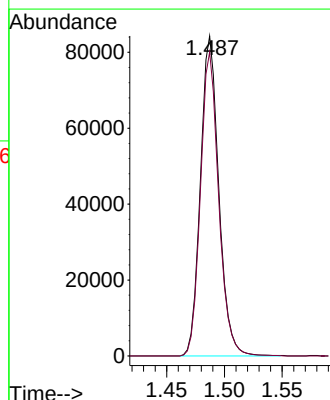
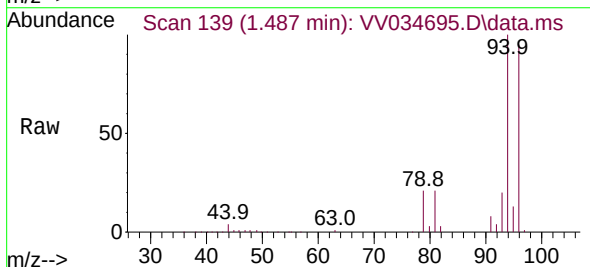
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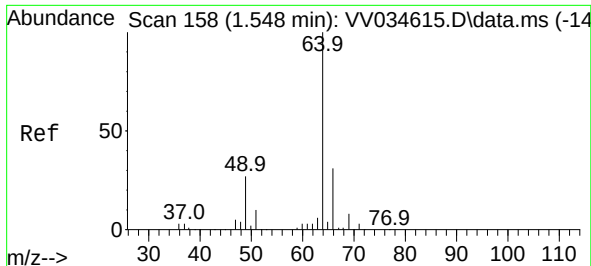
Tgt Ion: 94 Resp: 93374

Ion Ratio Lower Upper

94 100

96 95.0 66.0 122.6

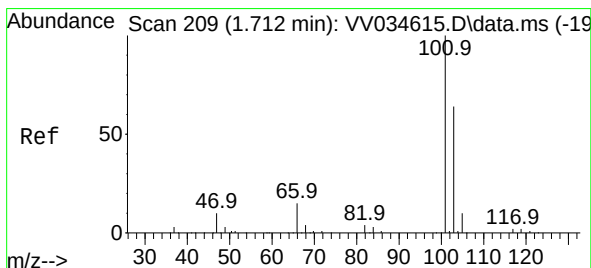
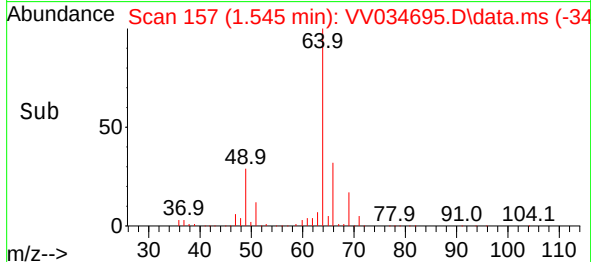
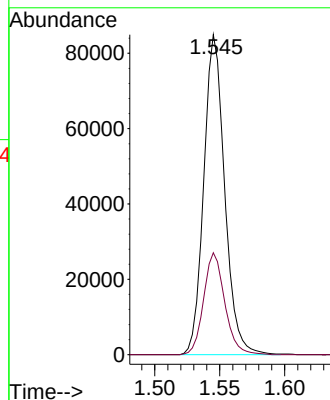
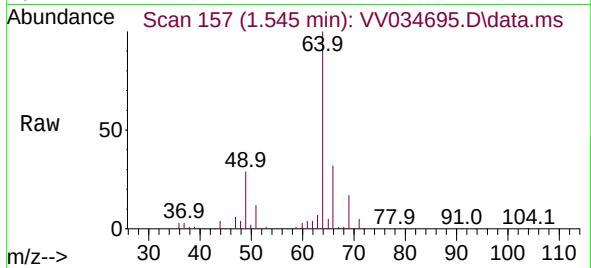




#8
Chloroethane
Concen: 43.790 ug/L
RT: 1.545 min Scan# 158
Delta R.T. -0.003 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

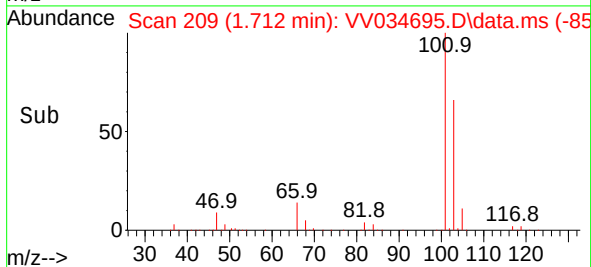
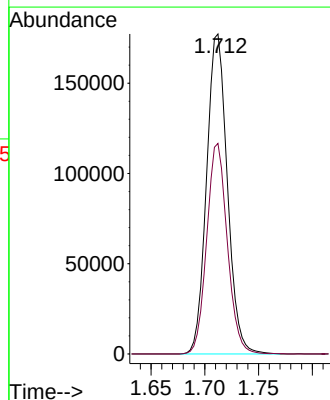
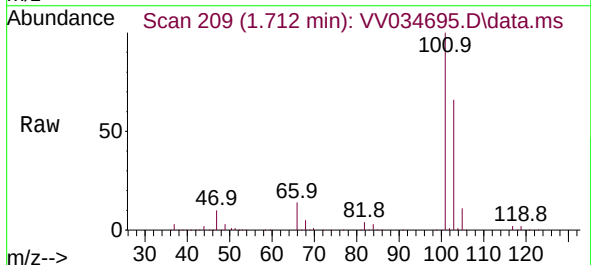
Instrument :
MSVOA_V
ClientSampleId :

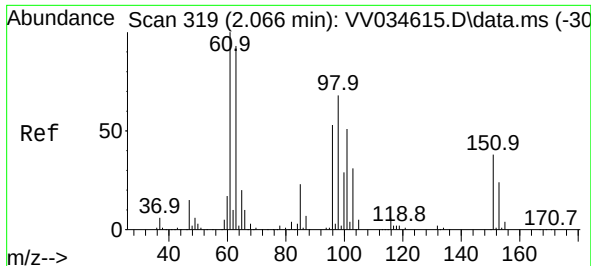
Tgt Ion: 64 Resp: 95111
Ion Ratio Lower Upper
64 100
66 31.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 43.468 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

Tgt Ion:101 Resp: 237873
Ion Ratio Lower Upper
101 100
103 65.1 51.8 77.8





#10

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

Concen: 45.695 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

ClientSampleId :

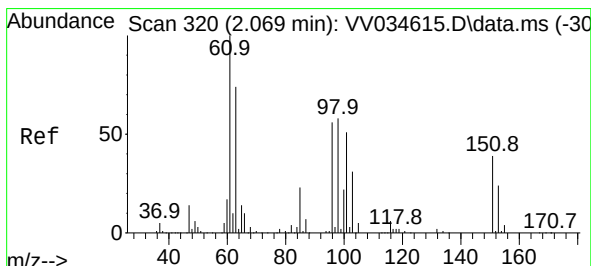
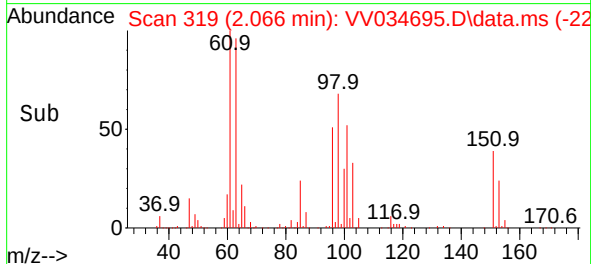
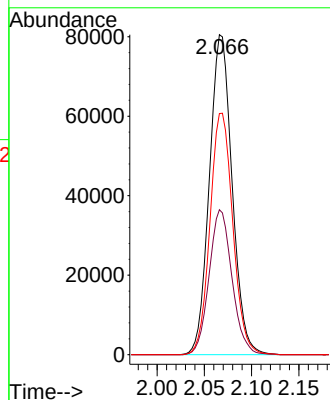
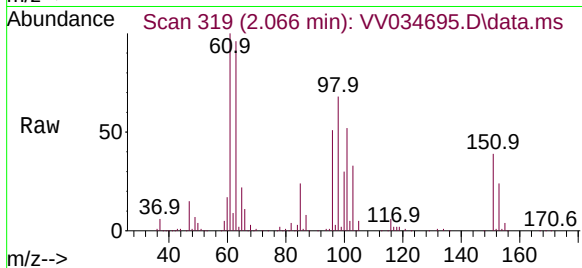
Tgt Ion:101 Resp: 134774

Ion Ratio Lower Upper

101 100

85 45.5 37.4 56.0

151 75.8 61.4 92.2



#12

1,1-Dichloroethene

Concen: 42.981 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

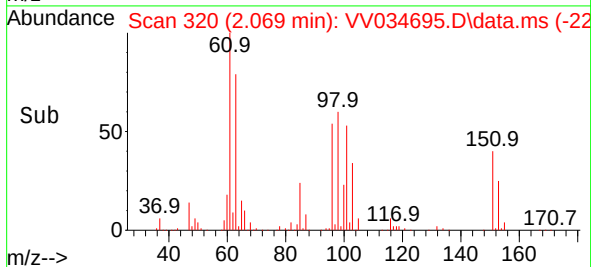
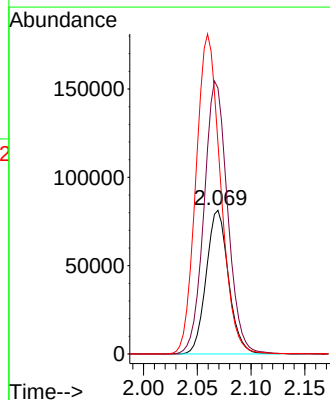
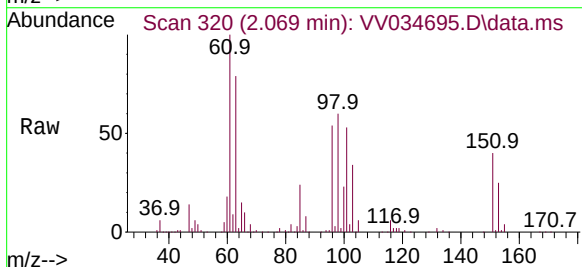
Tgt Ion: 96 Resp: 117551

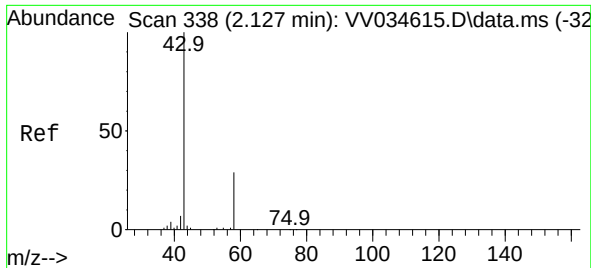
Ion Ratio Lower Upper

96 100

61 185.1 128.9 239.3

63 147.0 98.0 182.0





#13

Acetone

Concen: 93.836 ug/L

RT: 2.117 min Scan# 335

Delta R.T. -0.010 min MSVOA_V

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

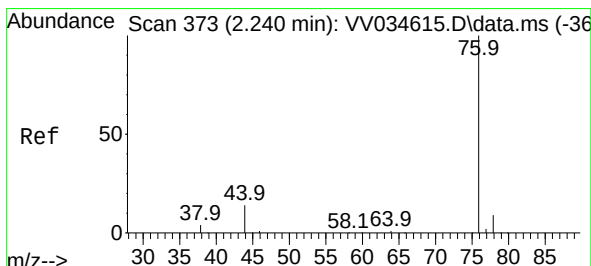
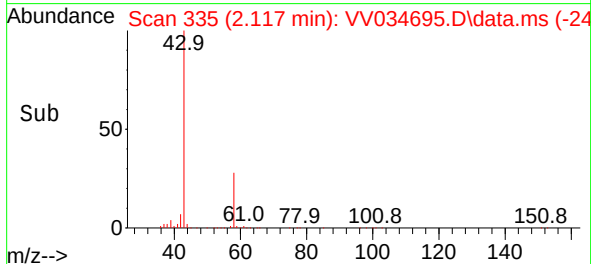
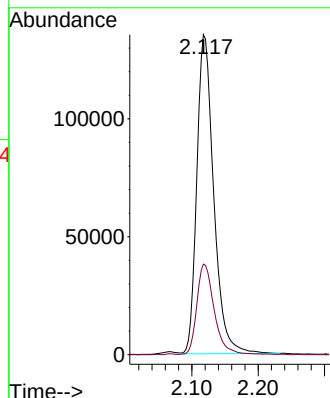
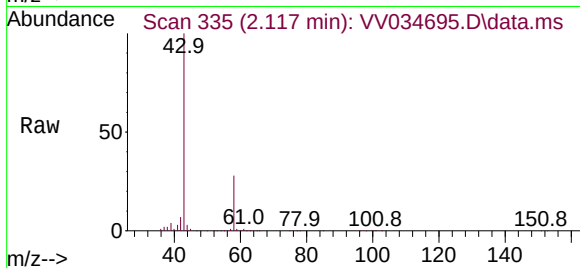
ClientSampleId :

Tgt Ion: 43 Resp: 238859

Ion Ratio Lower Upper

43 100

58 29.3 0.0 57.2



#14

Carbon disulfide

Concen: 39.801 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV034695.D

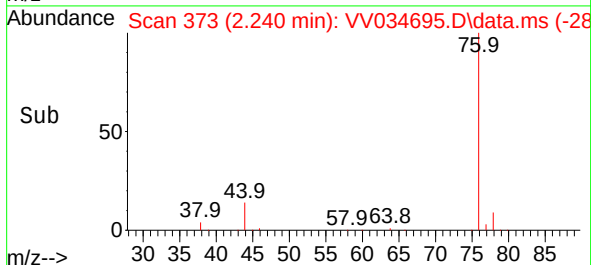
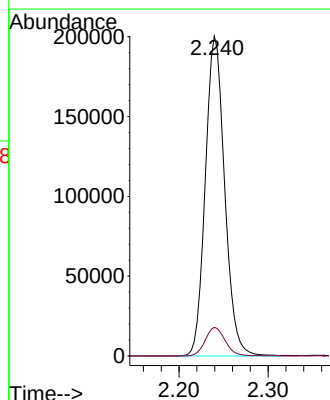
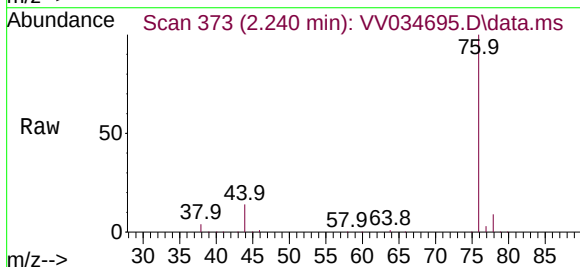
Acq: 18 Mar 2024 13:48

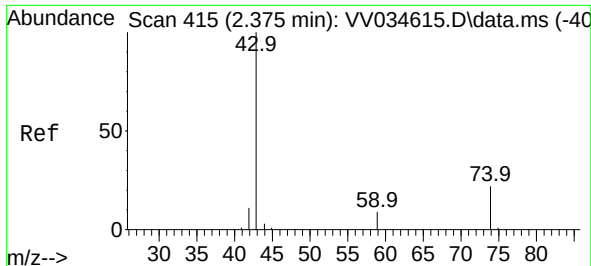
Tgt Ion: 76 Resp: 302103

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#15

Methyl Acetate

Concen: 53.635 ug/L

RT: 2.371 min Scan# 415

Delta R.T. -0.003 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

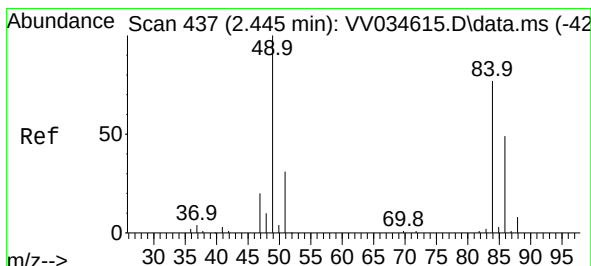
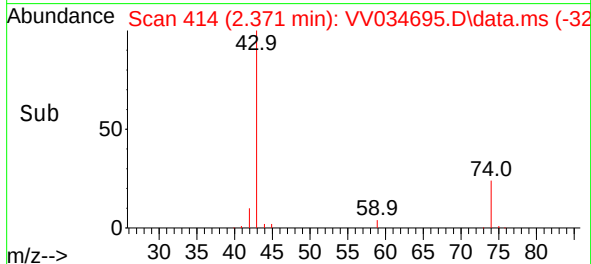
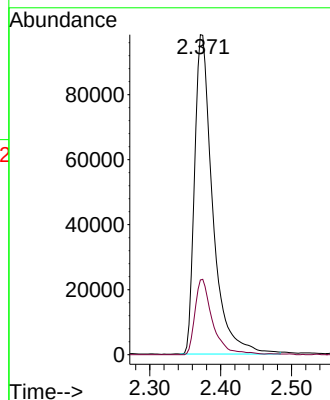
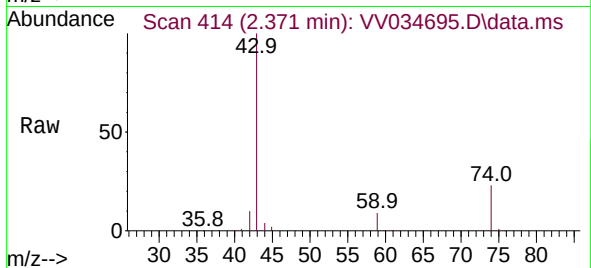
ClientSampleId :

Tgt Ion: 43 Resp: 174664

Ion Ratio Lower Upper

43 100

74 22.6 17.8 26.8



#16

Methylene chloride

Concen: 49.146 ug/L

RT: 2.445 min Scan# 437

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

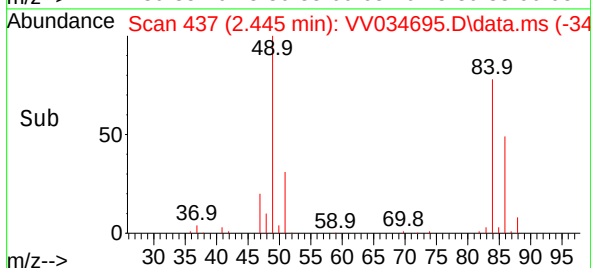
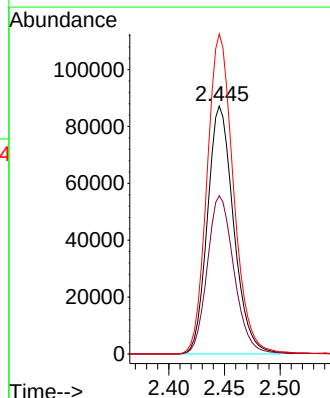
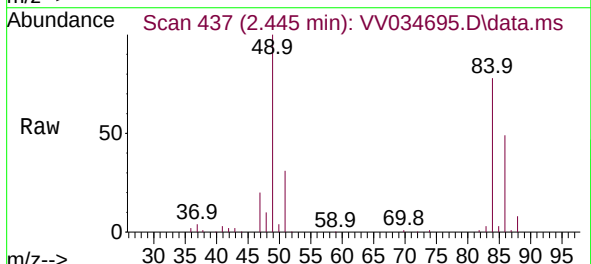
Tgt Ion: 84 Resp: 142576

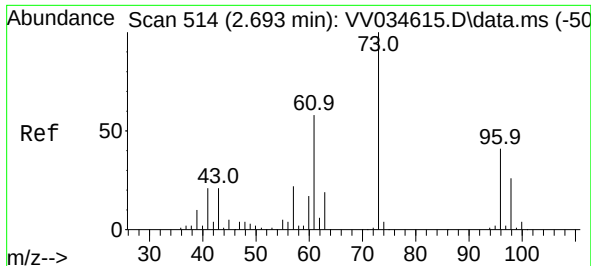
Ion Ratio Lower Upper

84 100

86 63.8 45.6 84.6

49 129.0 92.3 171.3





#17

trans-1,2-Dichloroethene

Concen: 46.784 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

ClientSampleId :

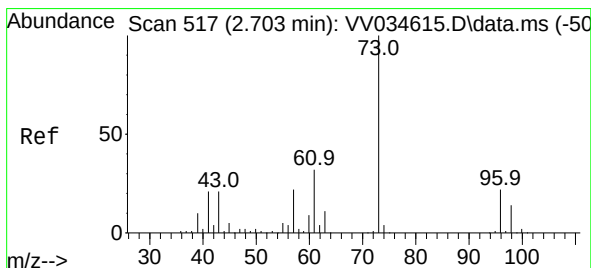
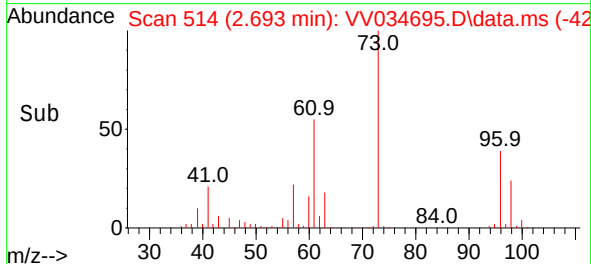
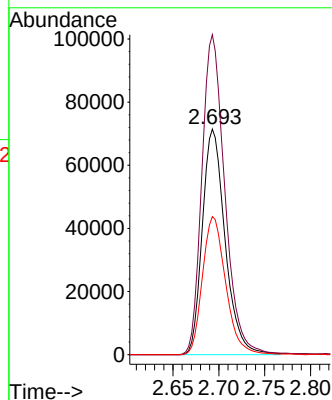
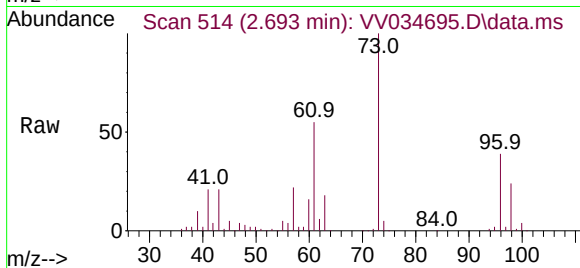
Tgt Ion: 96 Resp: 123843

Ion Ratio Lower Upper

96 100

61 141.9 98.8 183.4

98 61.2 46.1 85.5



#18

Methyl tert-butyl Ether

Concen: 50.994 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

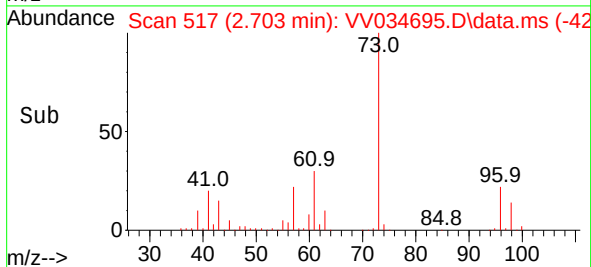
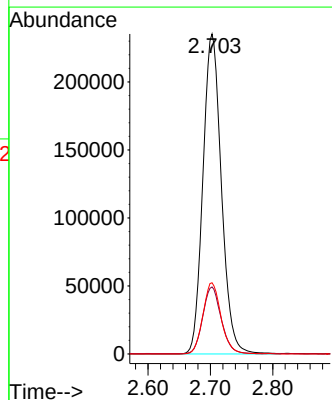
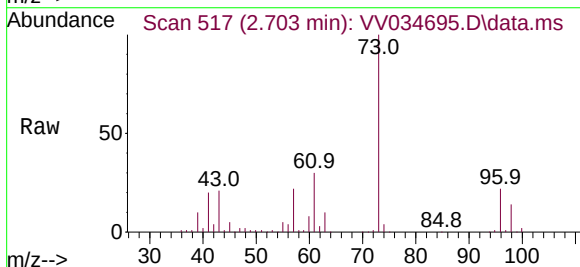
Tgt Ion: 73 Resp: 484761

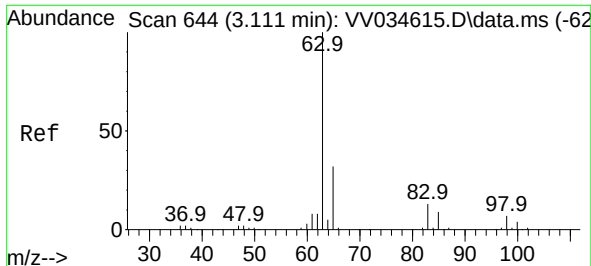
Ion Ratio Lower Upper

73 100

43 20.7 17.1 25.7

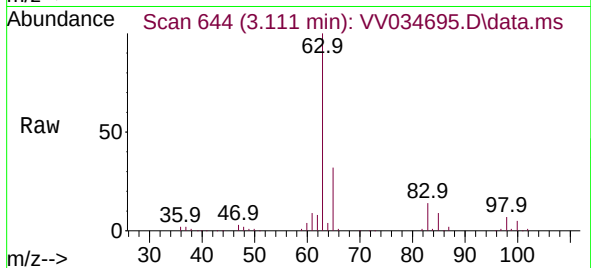
57 21.8 17.6 26.4



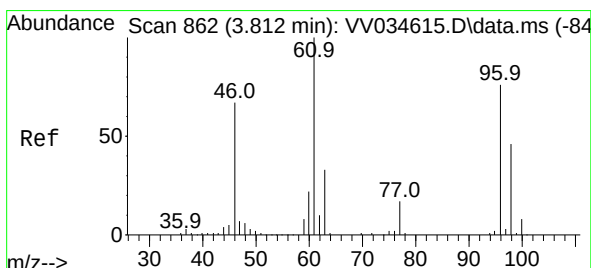
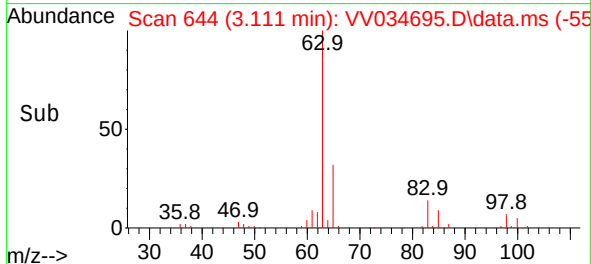
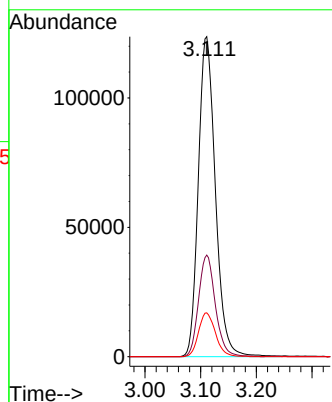


#19
1,1-Dichloroethane
Concen: 50.783 ug/L
RT: 3.111 min Scan# 644
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

Instrument :
MSVOA_V
ClientSampleId :

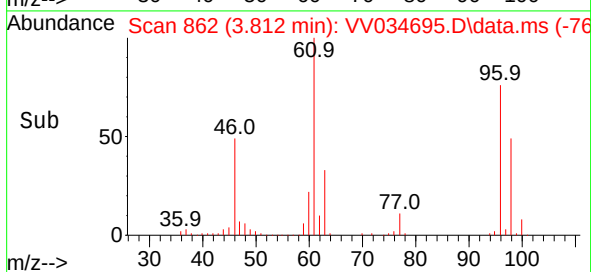
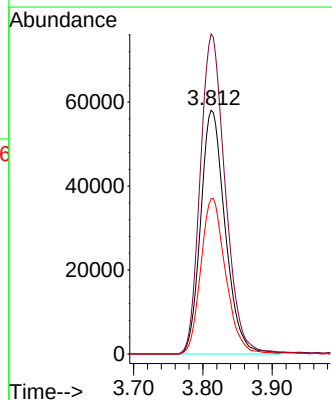
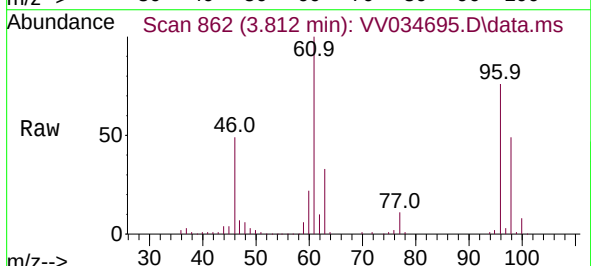


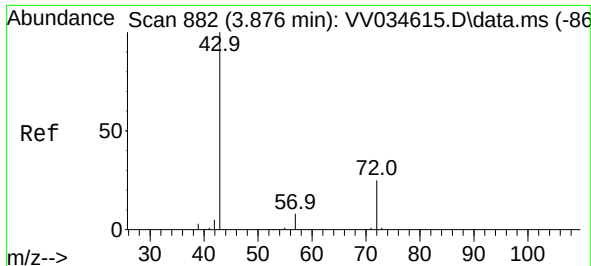
Tgt Ion: 63 Resp: 263339
Ion Ratio Lower Upper
63 100
65 31.8 22.1 41.1
83 13.7 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 49.721 ug/L
RT: 3.812 min Scan# 862
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

Tgt Ion: 96 Resp: 142806
Ion Ratio Lower Upper
96 100
61 131.3 96.0 178.4
98 63.7 46.0 85.4





#22

2-Butanone

Concen: 101.613 ug/L

RT: 3.866 min Scan# 81

Delta R.T. -0.010 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

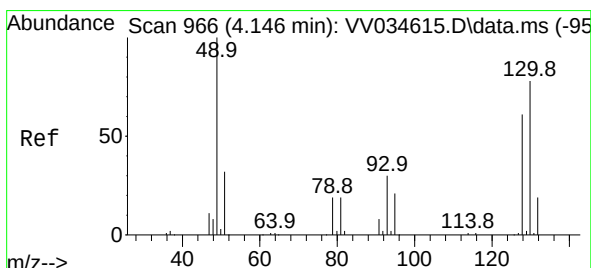
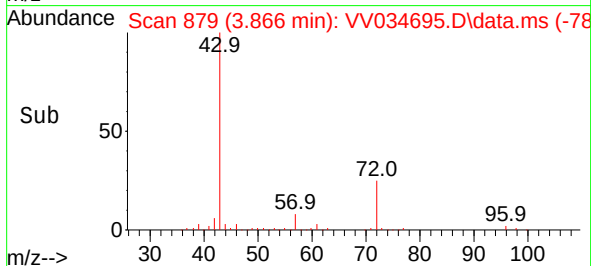
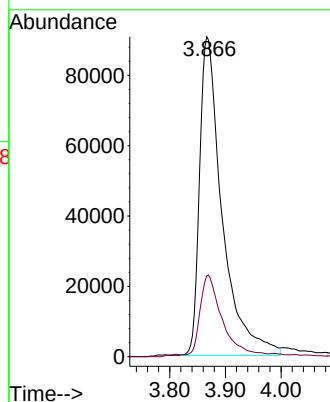
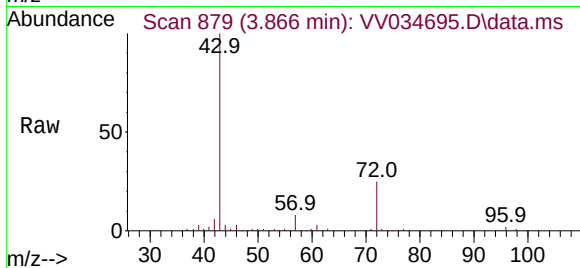
ClientSampleId :

Tgt Ion: 43 Resp: 255416

Ion Ratio Lower Upper

43 100

72 24.0 11.5 34.4



#23

Bromochloromethane

Concen: 50.754 ug/L

RT: 4.146 min Scan# 966

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Tgt Ion:128 Resp: 75378

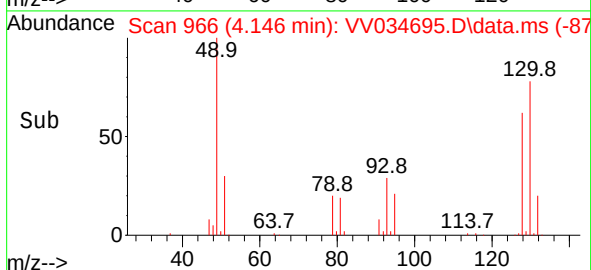
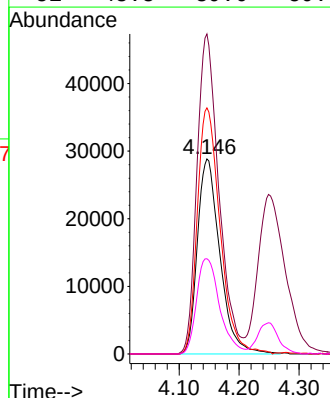
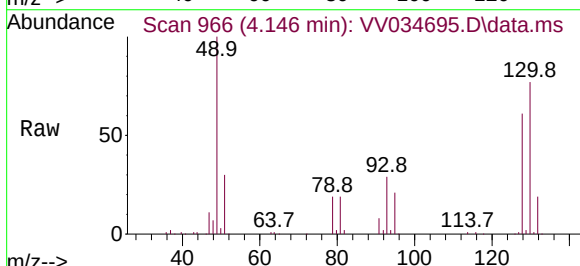
Ion Ratio Lower Upper

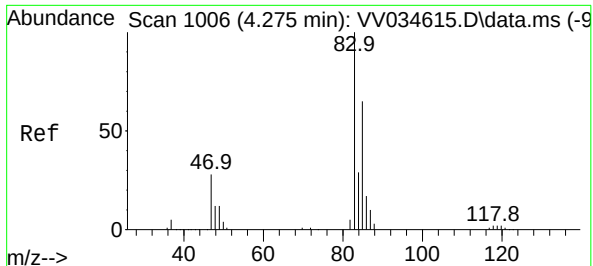
128 100

49 164.0 109.4 203.2

130 126.2 87.7 162.9

51 48.8 39.6 59.4





#25

Chloroform

Concen: 50.247 ug/L

RT: 4.275 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

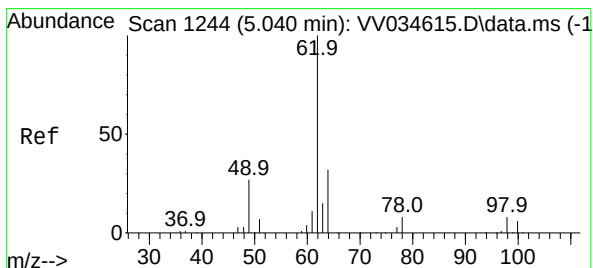
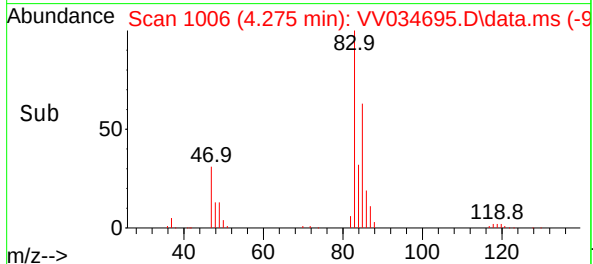
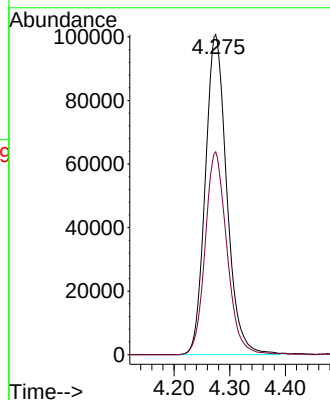
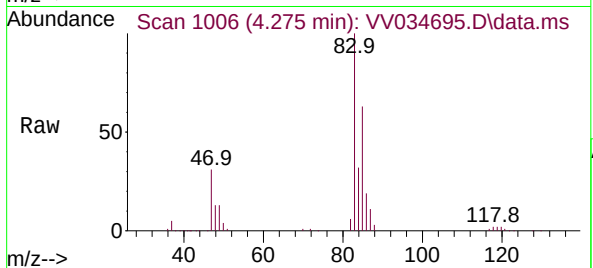
ClientSampleId :

Tgt Ion: 83 Resp: 270065

Ion Ratio Lower Upper

83 100

85 63.4 45.5 84.5



#27

1,2-Dichloroethane

Concen: 50.024 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.000 min

Lab File: VV034695.D

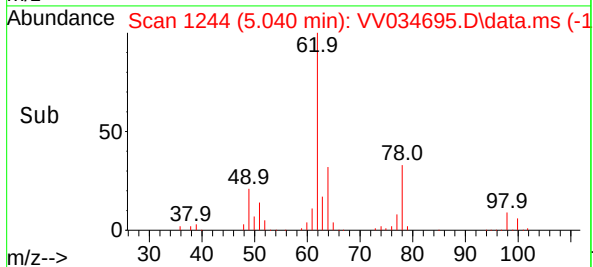
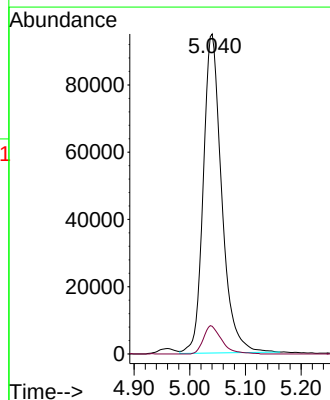
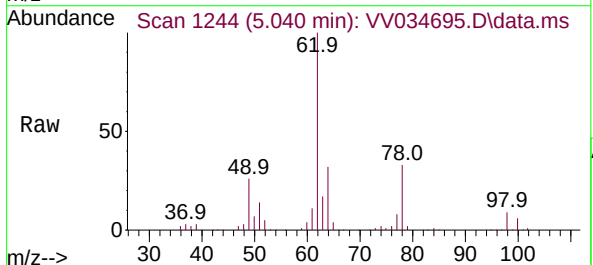
Acq: 18 Mar 2024 13:48

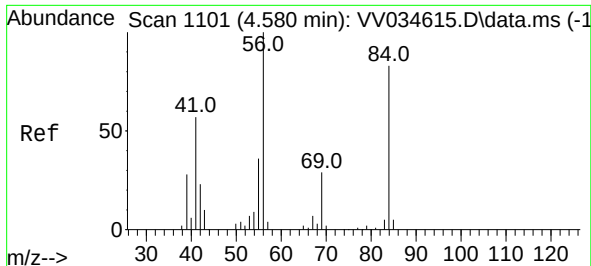
Tgt Ion: 62 Resp: 218446

Ion Ratio Lower Upper

62 100

98 8.7 6.6 10.0





#29

Cyclohexane

Concen: 44.945 ug/L

RT: 4.583 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

ClientSampleId :

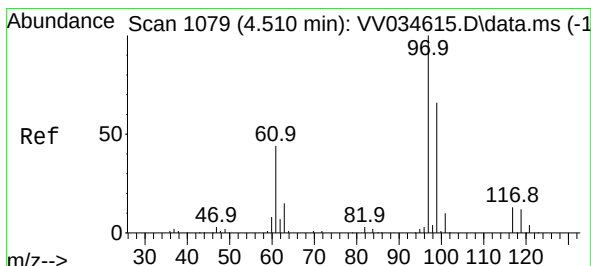
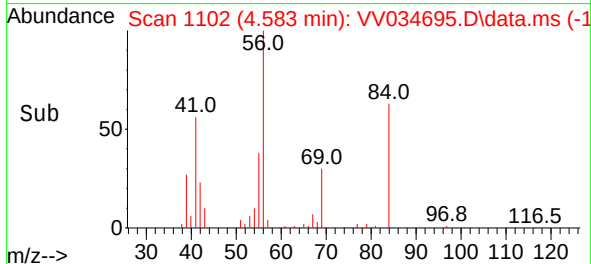
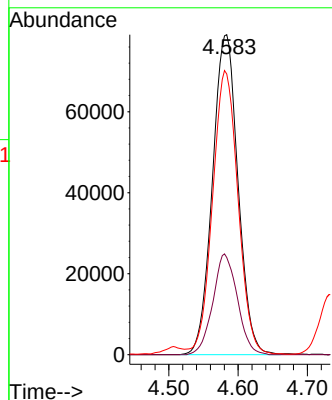
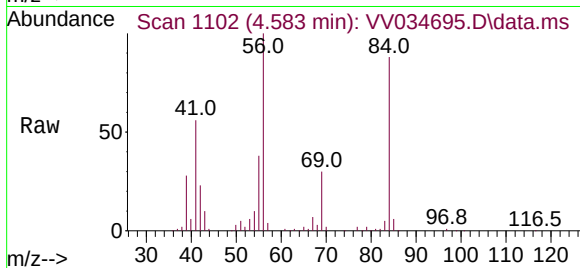
Tgt Ion: 56 Resp: 202448

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.4

84 87.7 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 48.422 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. -0.003 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

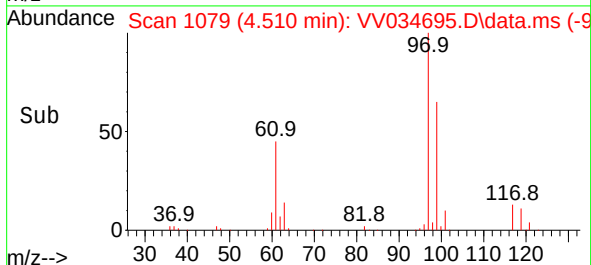
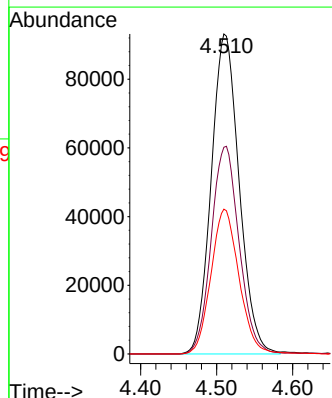
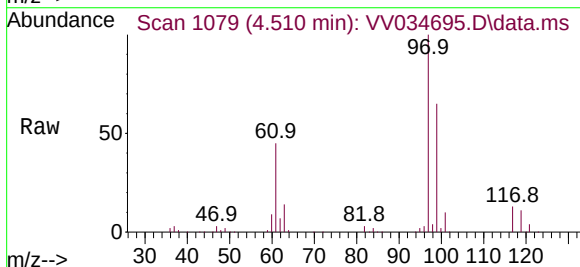
Tgt Ion: 97 Resp: 237783

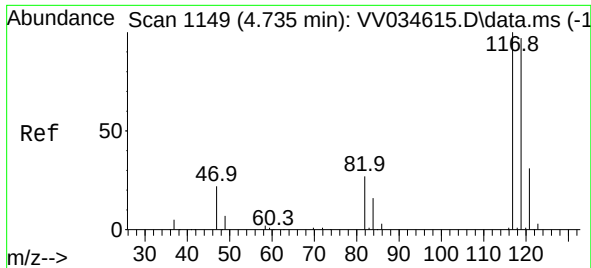
Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

61 45.5 36.0 54.0

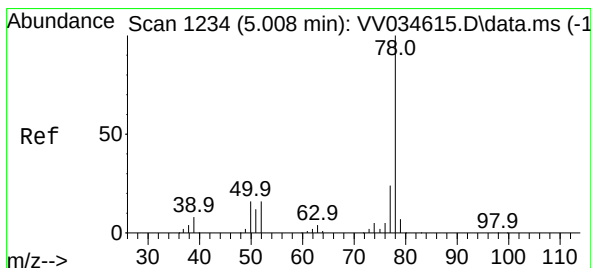
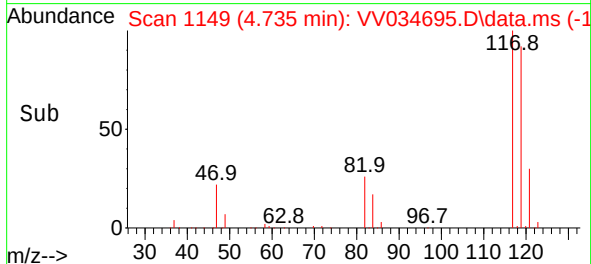
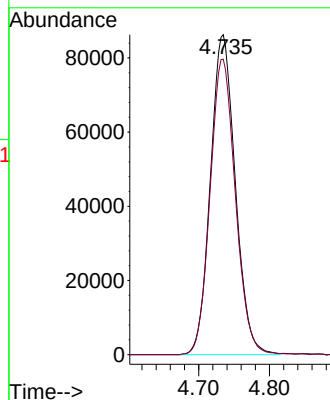
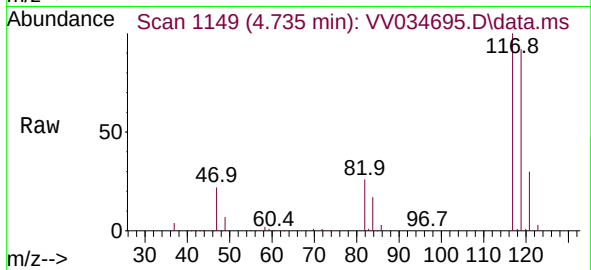




#31
Carbon tetrachloride
Concen: 48.401 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

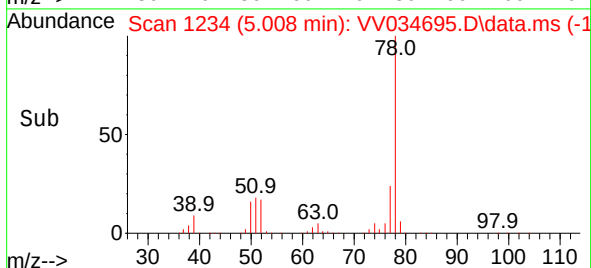
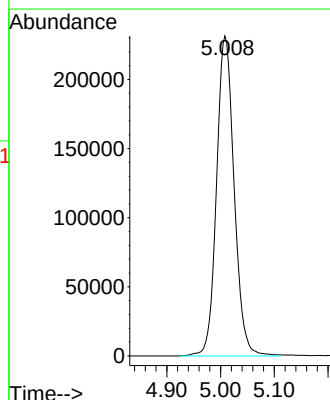
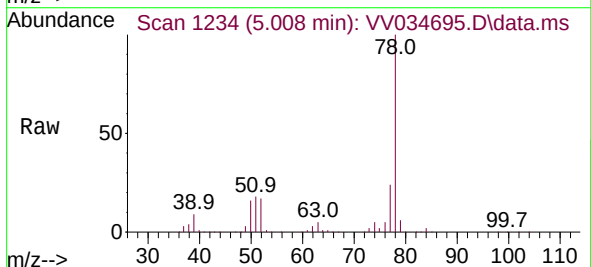
Instrument :
MSVOA_V
ClientSampleId :

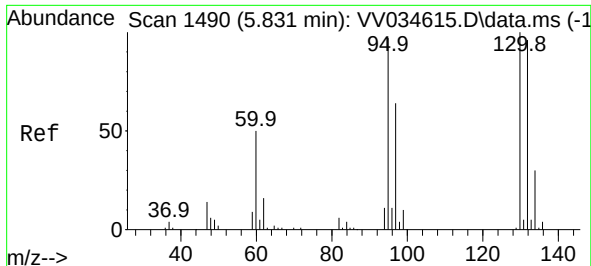
Tgt Ion:117 Resp: 210433
Ion Ratio Lower Upper
117 100
119 93.7 77.5 116.3



#33
Benzene
Concen: 49.489 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

Tgt Ion: 78 Resp: 526043

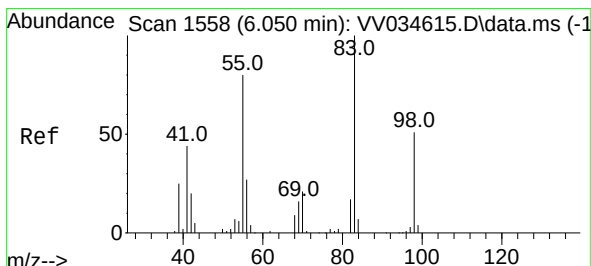
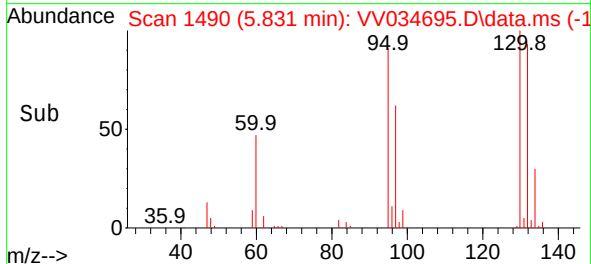
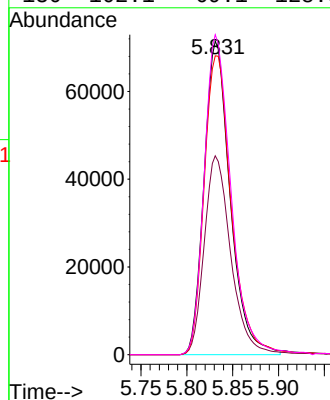
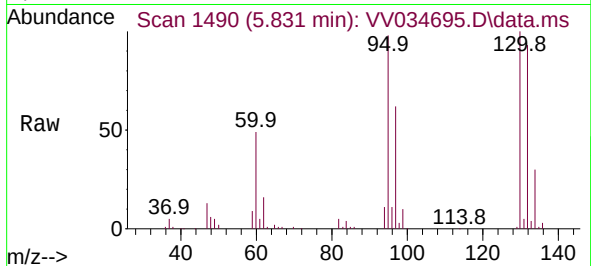




#34
Trichloroethene
Concen: 46.816 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

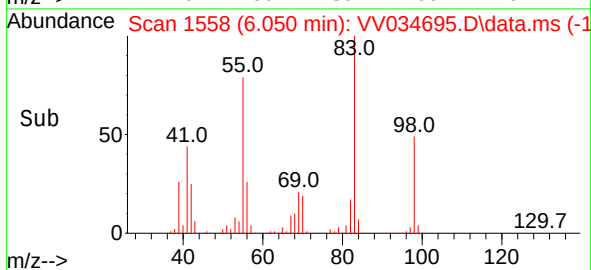
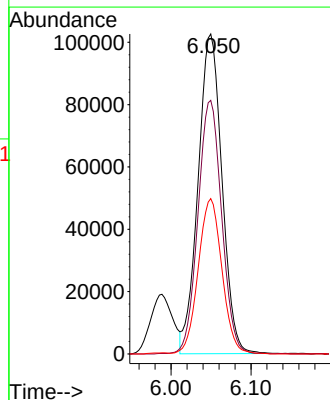
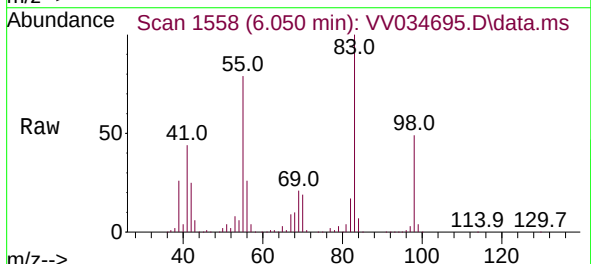
Instrument :
MSVOA_V
ClientSampleId :

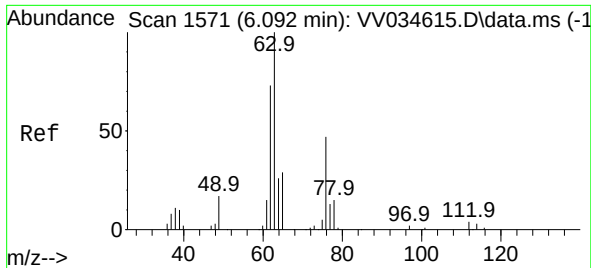
Tgt Ion: 95 Resp: 141456
Ion Ratio Lower Upper
95 100
97 63.5 44.7 83.1
132 95.3 65.3 121.3
130 102.1 69.1 128.3



#35
Methylcyclohexane
Concen: 46.420 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

Tgt Ion: 83 Resp: 213227
Ion Ratio Lower Upper
83 100
55 78.3 62.6 94.0
98 47.8 39.5 59.3





#37

1,2-Dichloropropane

Concen: 52.197 ug/L

RT: 6.091 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

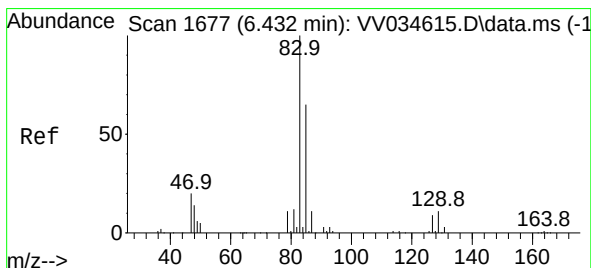
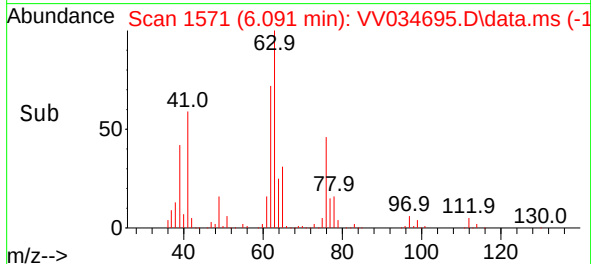
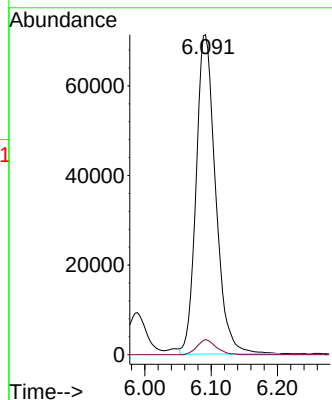
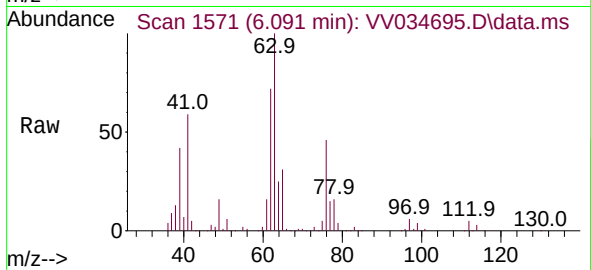
ClientSampleId :

Tgt Ion: 63 Resp: 145260

Ion Ratio Lower Upper

63 100

112 4.6 3.5 5.3



#38

Bromodichloromethane

Concen: 50.450 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

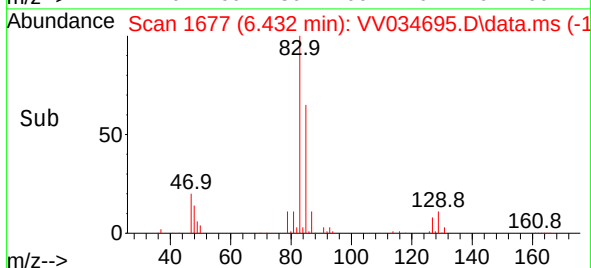
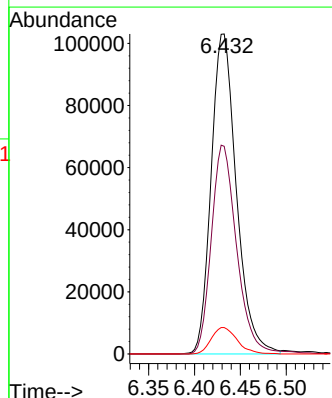
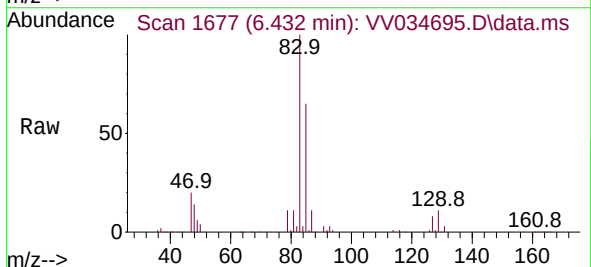
Tgt Ion: 83 Resp: 197488

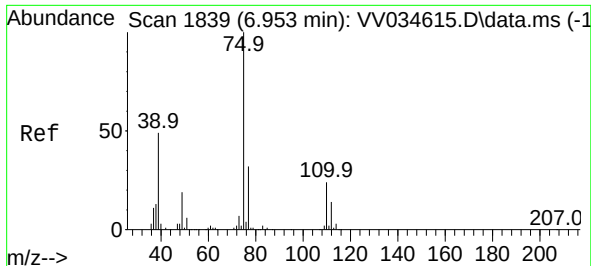
Ion Ratio Lower Upper

83 100

85 64.9 44.6 82.8

127 8.3 6.9 10.3

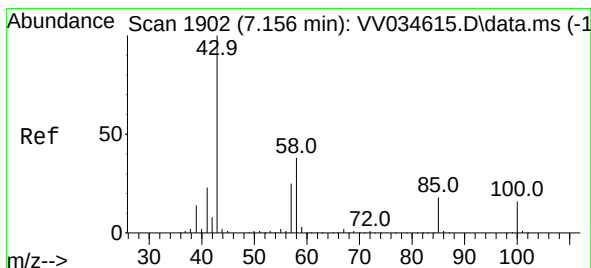
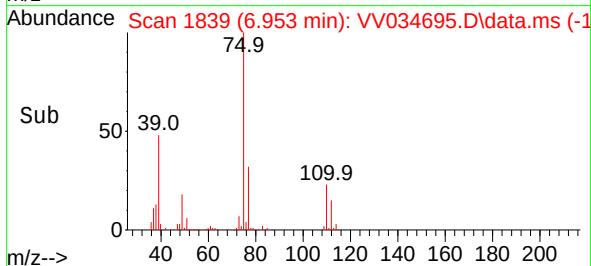
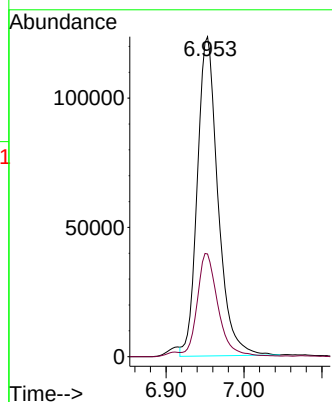
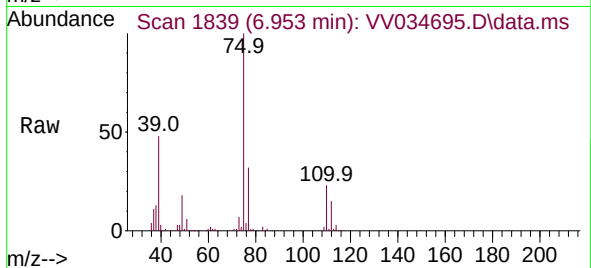




#39
cis-1,3-Dichloropropene
Concen: 50.347 ug/L
RT: 6.953 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

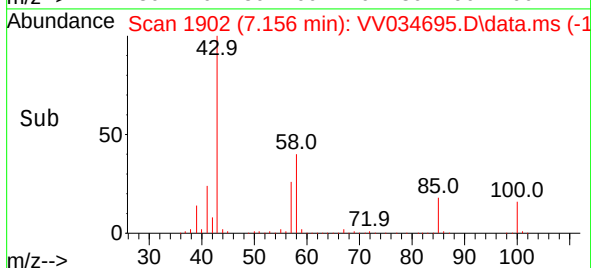
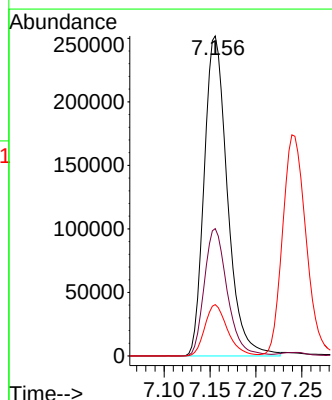
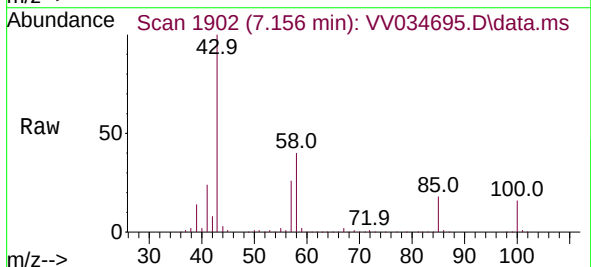
Instrument :
MSVOA_V
ClientSampleId :

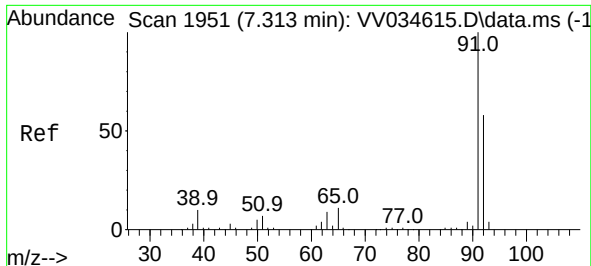
Tgt Ion: 75 Resp: 227008
Ion Ratio Lower Upper
75 100
77 32.1 20.9 38.9



#40
4-Methyl-2-pentanone
Concen: 108.461 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

Tgt Ion: 43 Resp: 445079
Ion Ratio Lower Upper
43 100
58 39.3 30.6 46.0
100 15.7 12.5 18.7





#42

Toluene

Concen: 49.970 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

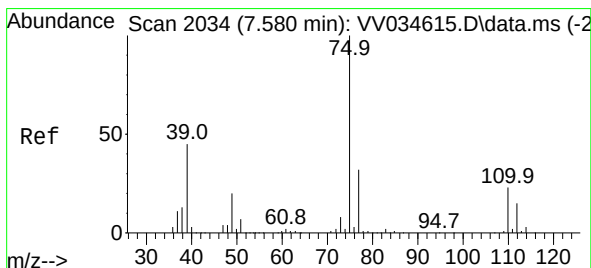
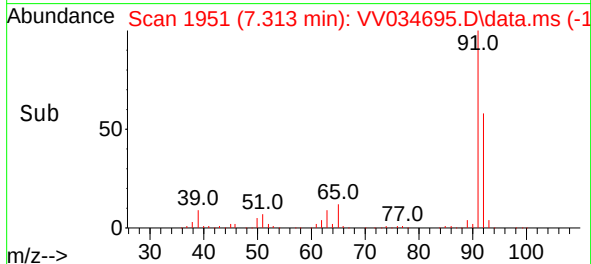
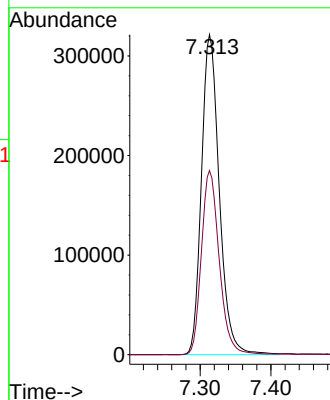
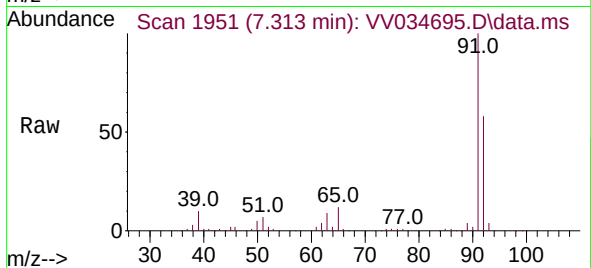
ClientSampleId :

Tgt Ion: 91 Resp: 562157

Ion Ratio Lower Upper

91 100

92 57.6 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 52.550 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.000 min

Lab File: VV034695.D

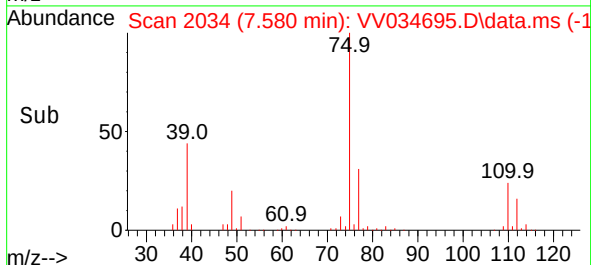
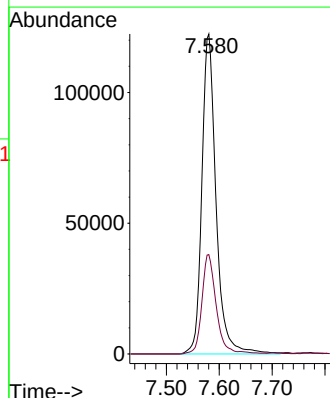
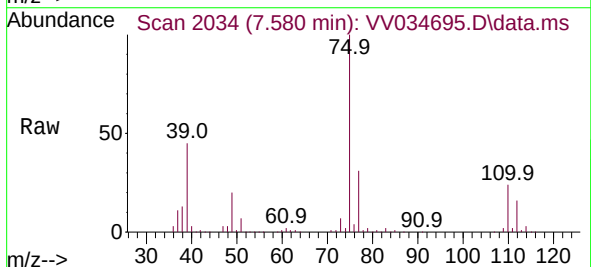
Acq: 18 Mar 2024 13:48

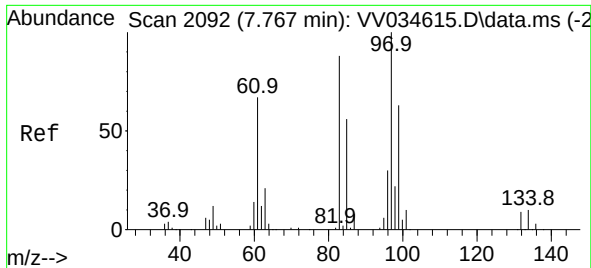
Tgt Ion: 75 Resp: 227881

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4

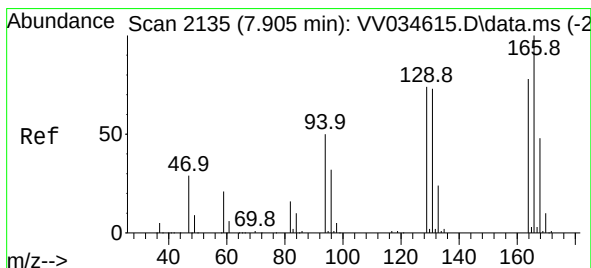
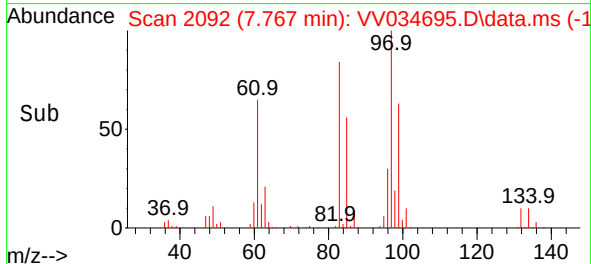
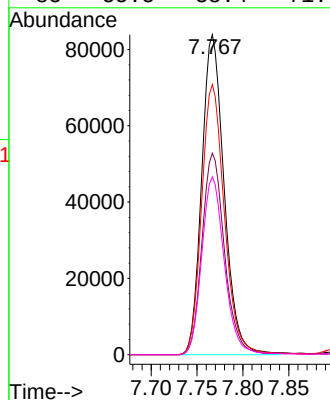
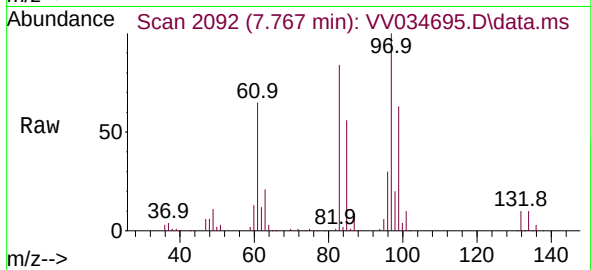




#45
1,1,2-Trichloroethane
Concen: 53.121 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

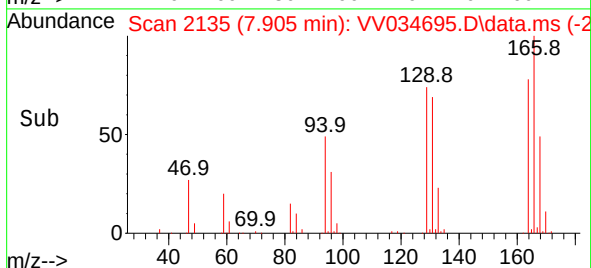
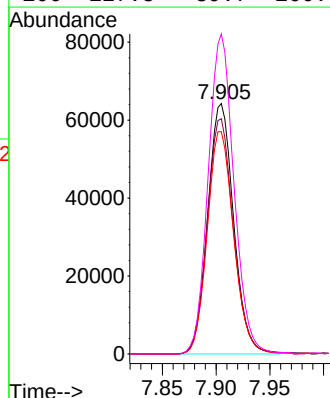
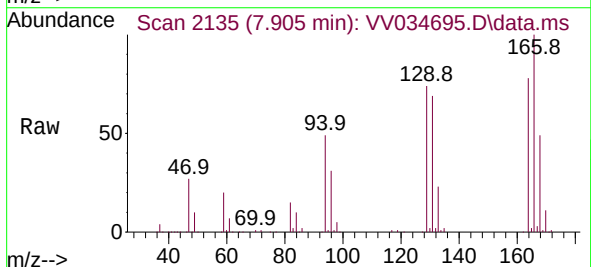
Instrument :
MSVOA_V
ClientSampleId :

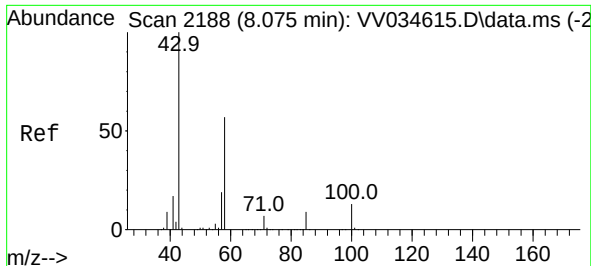
Tgt Ion:	97	Resp:	142637
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.8	81.4
83	84.4	59.4	110.2
85	55.5	38.4	71.4



#46
Tetrachloroethene
Concen: 47.953 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

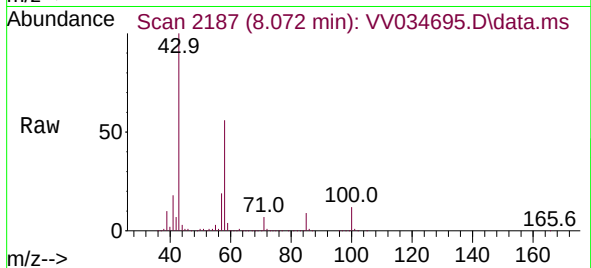
Tgt Ion:	164	Resp:	107753
Ion	Ratio	Lower	Upper
164	100		
129	93.9	65.7	121.9
131	88.8	62.2	115.6
166	127.8	89.7	166.7



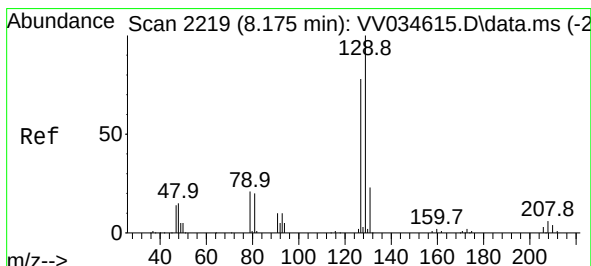
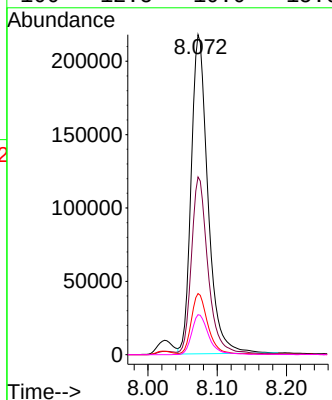
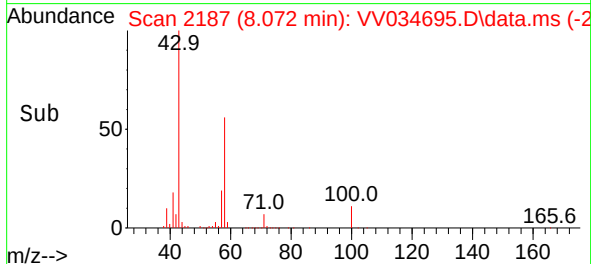


#48
2-Hexanone
Concen: 112.129 ug/L
RT: 8.072 min Scan# 2188
Delta R.T. -0.003 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

Instrument :
MSVOA_V
ClientSampleId :

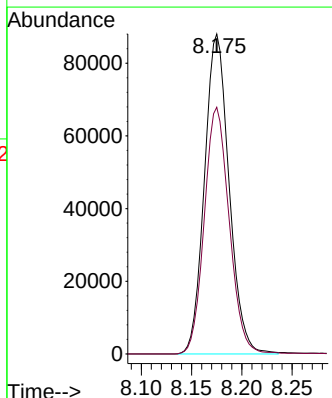
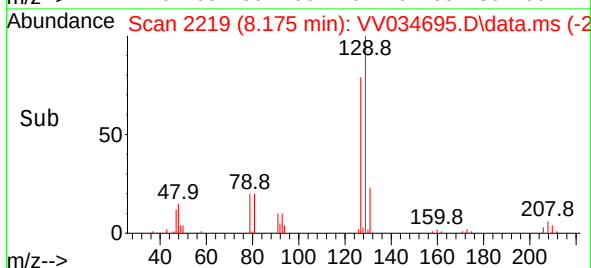
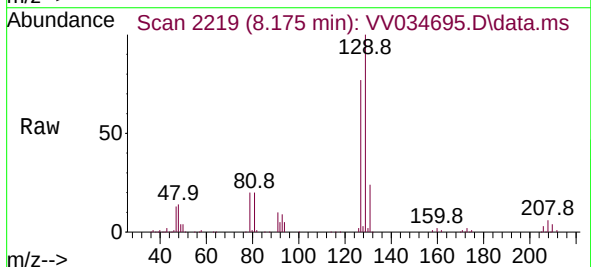


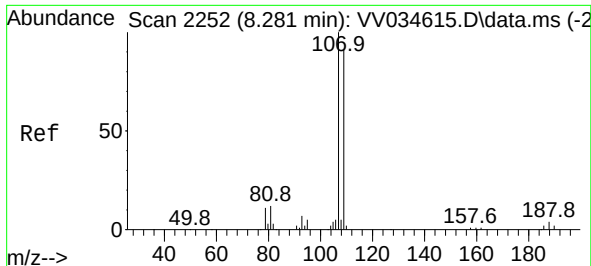
Tgt Ion: 43 Resp: 366653
Ion Ratio Lower Upper
43 100
58 54.8 42.0 63.0
57 18.2 15.2 22.8
100 12.5 10.0 15.0



#49
Dibromochloromethane
Concen: 52.928 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

Tgt Ion: 129 Resp: 149976
Ion Ratio Lower Upper
129 100
127 77.1 53.3 98.9

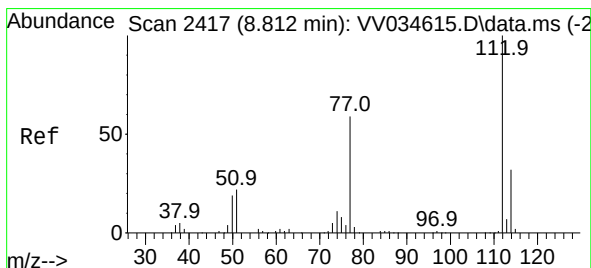
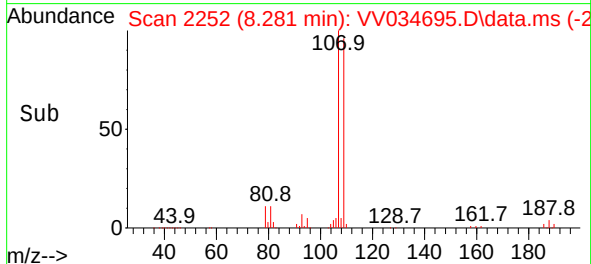
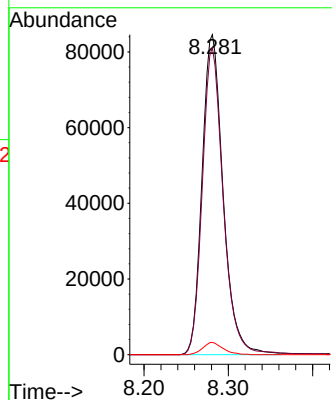
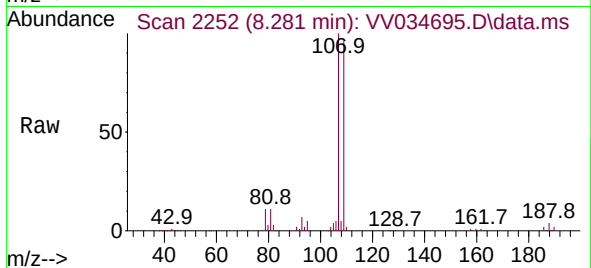




#50
1,2-Dibromoethane
Concen: 51.654 ug/L
RT: 8.281 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

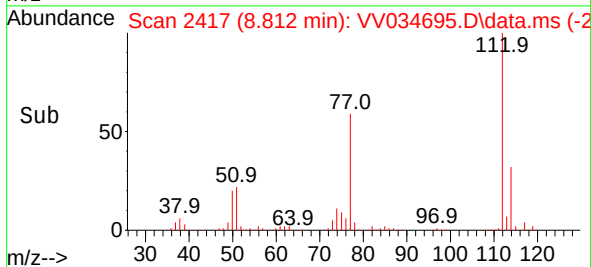
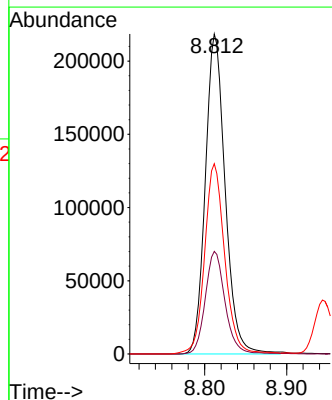
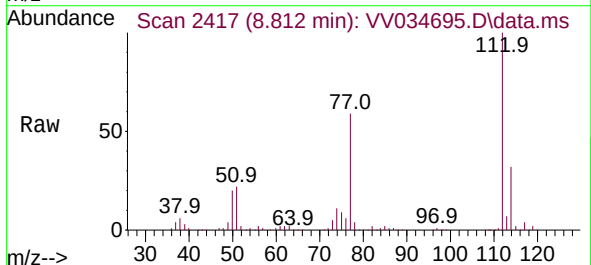
Instrument :
MSVOA_V
ClientSampleId :

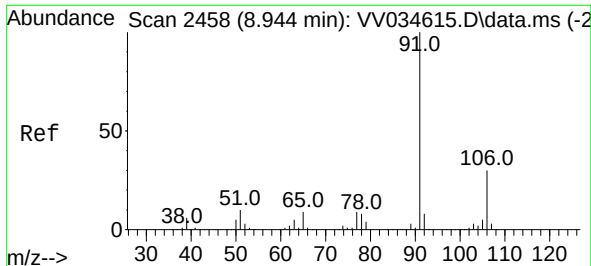
Tgt Ion:107 Resp: 147179
Ion Ratio Lower Upper
107 100
109 96.0 66.5 123.5
188 3.9 3.4 5.2



#51
Chlorobenzene
Concen: 50.500 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

Tgt Ion:112 Resp: 367274
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.5
77 59.5 47.7 71.5





#52

Ethylbenzene

Concen: 51.295 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

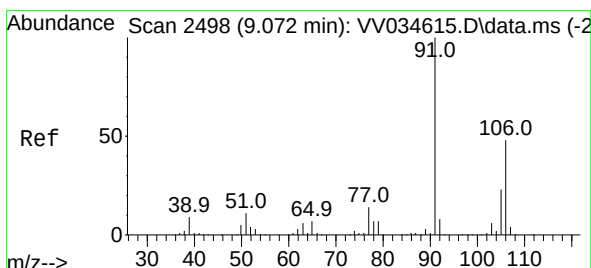
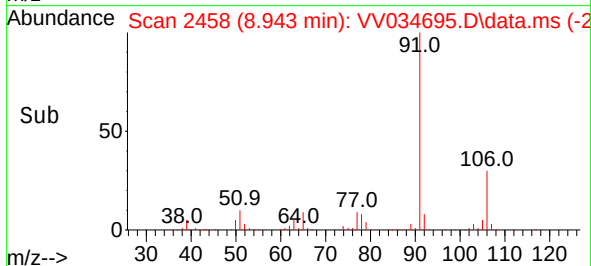
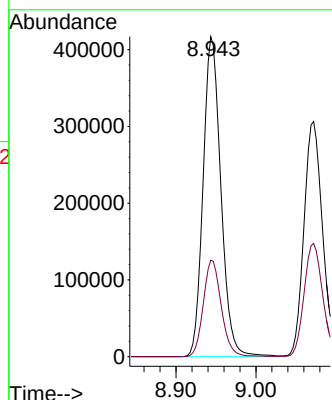
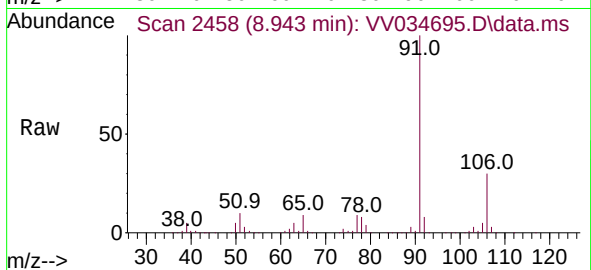
ClientSampleId :

Tgt Ion: 91 Resp: 646589

Ion Ratio Lower Upper

91 100

106 30.1 21.3 39.5



#53

m,p-Xylene

Concen: 50.028 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. -0.000 min

Lab File: VV034695.D

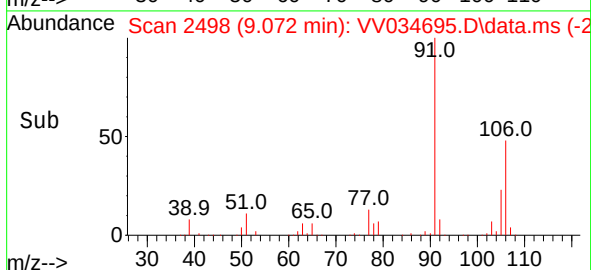
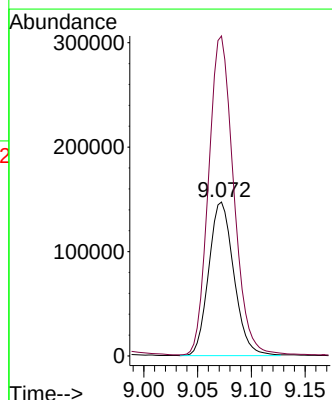
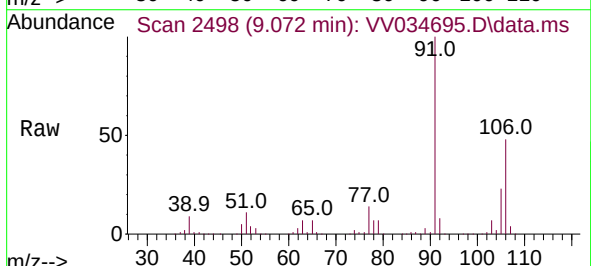
Acq: 18 Mar 2024 13:48

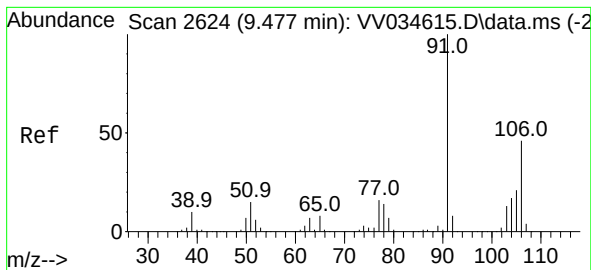
Tgt Ion:106 Resp: 239306

Ion Ratio Lower Upper

106 100

91 207.9 145.3 269.9





#54

o-Xylene

Concen: 50.297 ug/L

RT: 9.477 min Scan# 2624

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

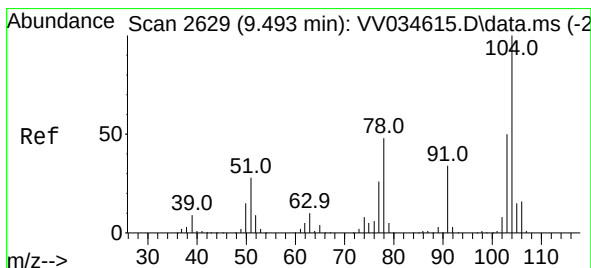
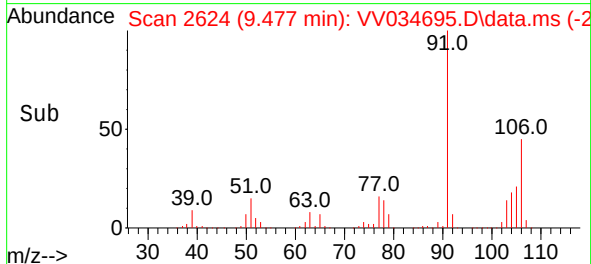
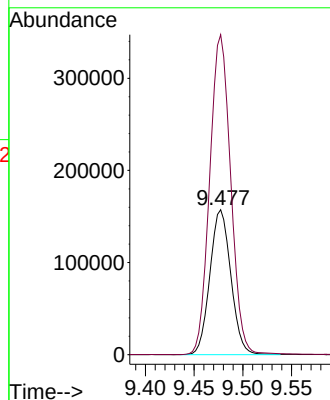
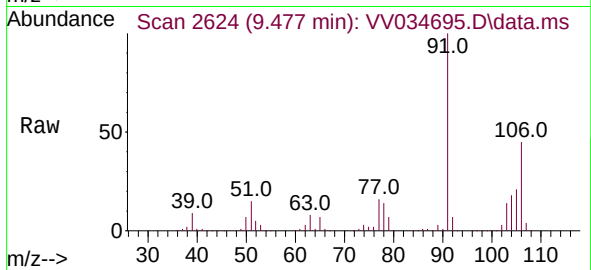
ClientSampleId :

Tgt Ion:106 Resp: 235593

Ion Ratio Lower Upper

106 100

91 220.8 152.2 282.7



#55

Styrene

Concen: 52.752 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. -0.000 min

Lab File: VV034695.D

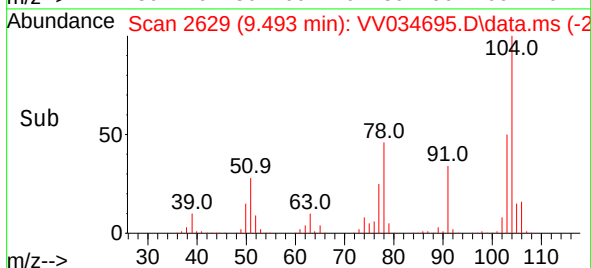
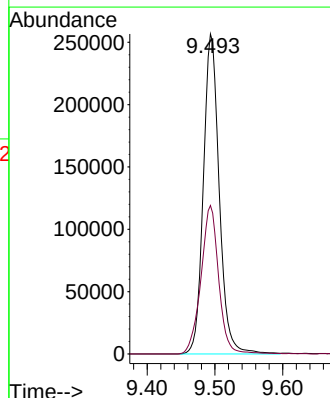
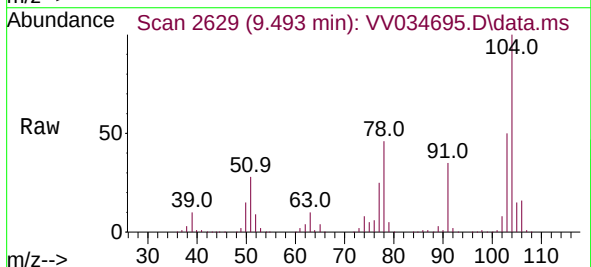
Acq: 18 Mar 2024 13:48

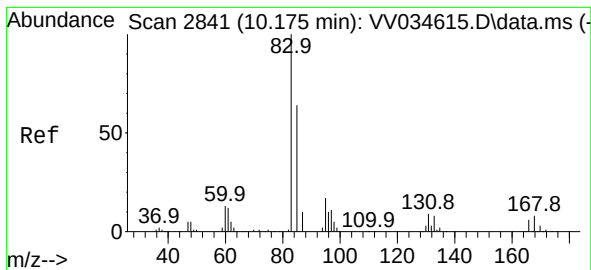
Tgt Ion:104 Resp: 418359

Ion Ratio Lower Upper

104 100

78 46.4 33.0 61.4

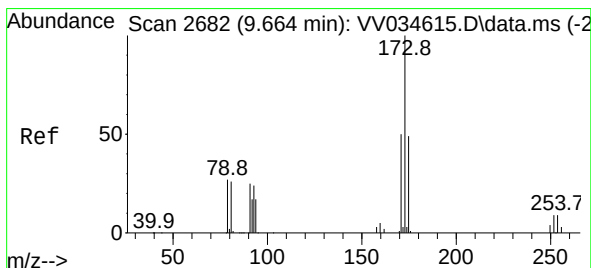
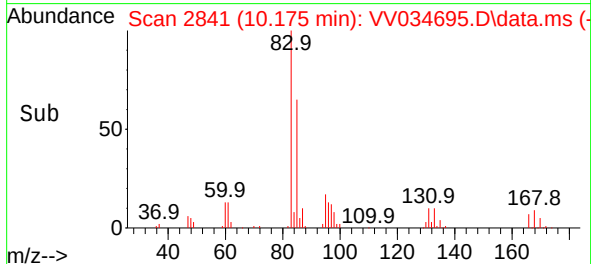
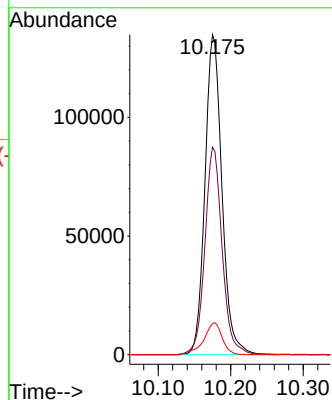
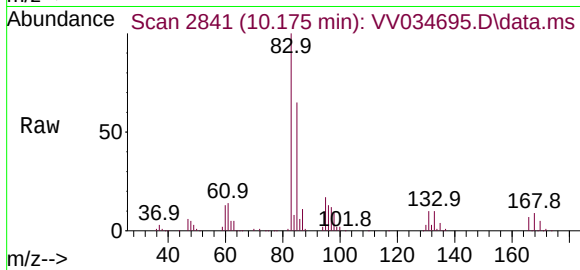




#57
1,1,2,2-Tetrachloroethane
Concen: 54.517 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

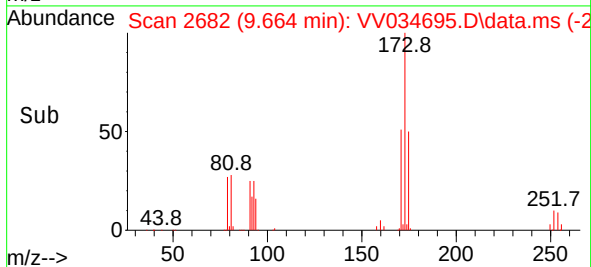
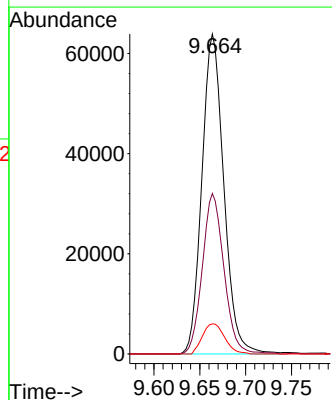
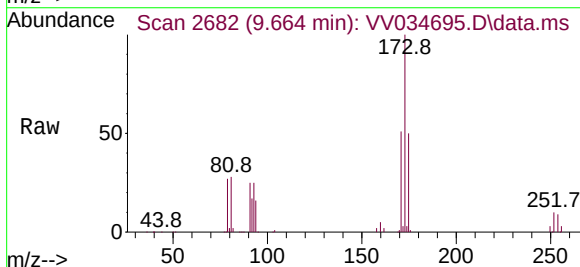
Instrument :
MSVOA_V
ClientSampleId :

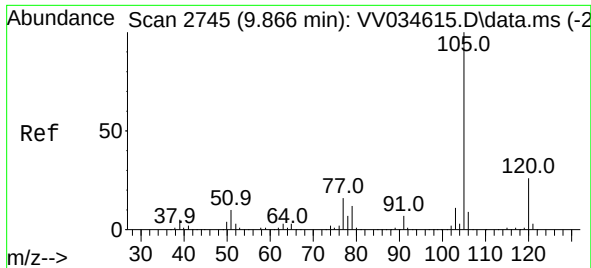
Tgt Ion: 83 Resp: 219868
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.2
131 9.7 8.3 12.5



#59
Bromoform
Concen: 52.543 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

Tgt Ion: 173 Resp: 106330
Ion Ratio Lower Upper
173 100
175 49.3 39.1 58.7
254 9.6 7.8 11.8

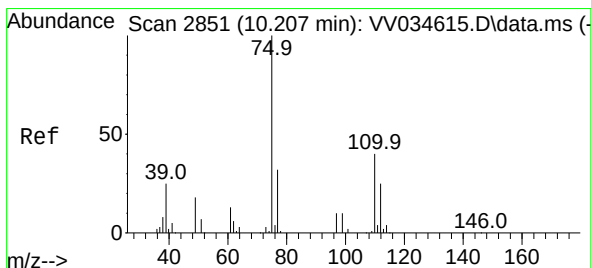
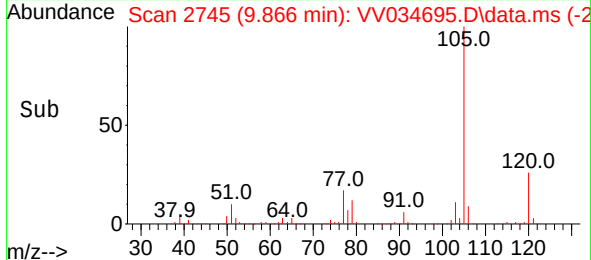
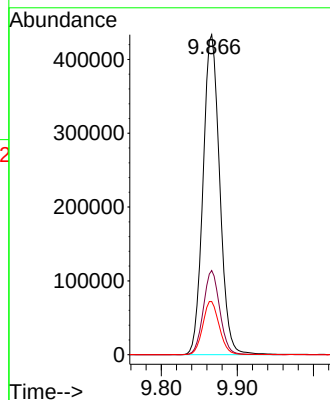
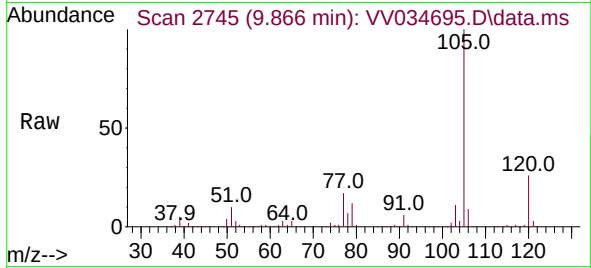




#60
Isopropylbenzene
Concen: 51.206 ug/L
RT: 9.866 min Scan# 2745
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

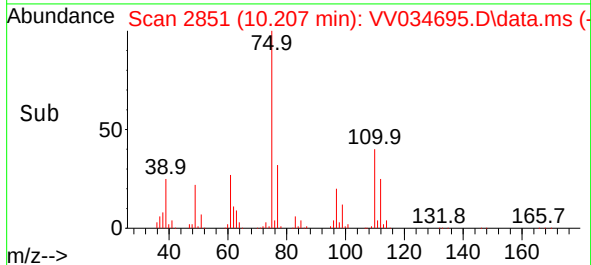
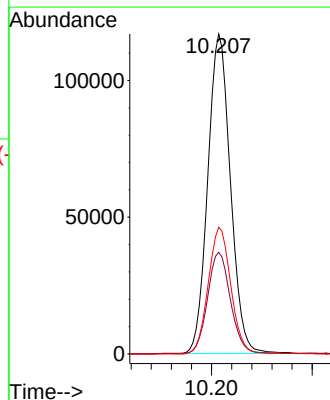
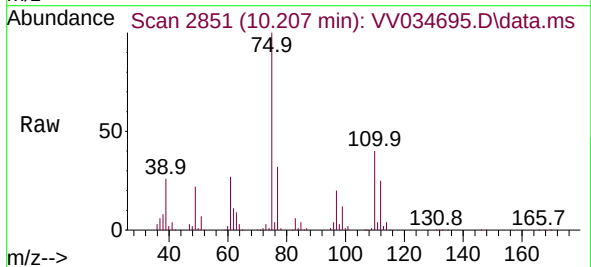
Instrument :
MSVOA_V
ClientSampleId :

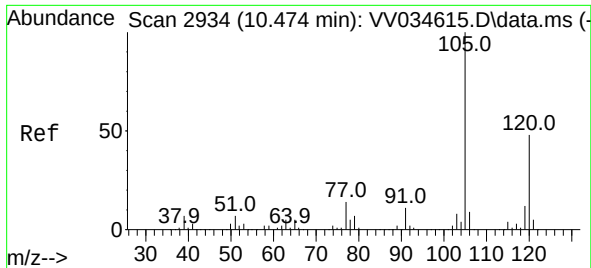
Tgt Ion:105 Resp: 661029
Ion Ratio Lower Upper
105 100
120 25.9 20.8 31.2
77 16.5 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 52.426 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV034695.D
Acq: 18 Mar 2024 13:48

Tgt Ion: 75 Resp: 182662
Ion Ratio Lower Upper
75 100
77 32.1 25.9 38.9
110 39.8 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 50.686 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

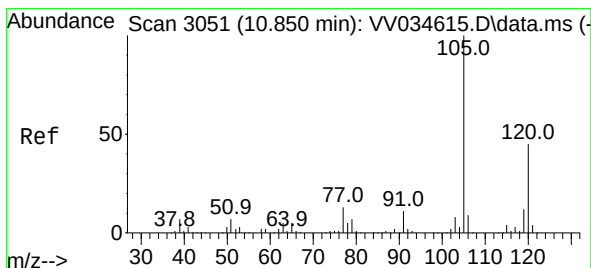
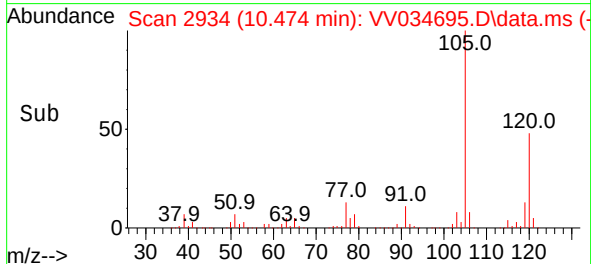
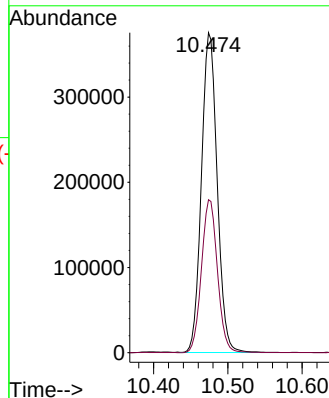
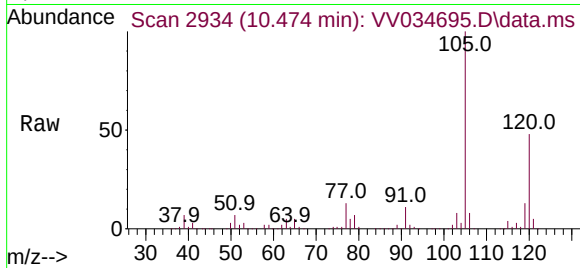
ClientSampleId :

Tgt Ion:105 Resp: 551945

Ion Ratio Lower Upper

105 100

120 48.6 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 51.651 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV034695.D

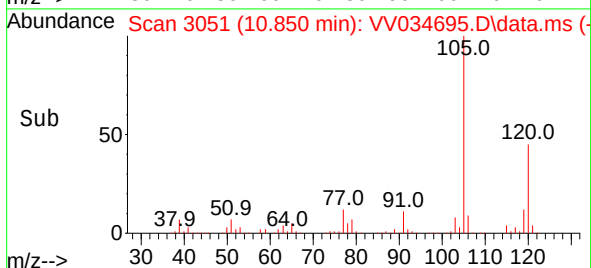
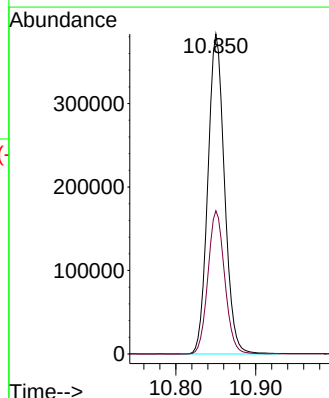
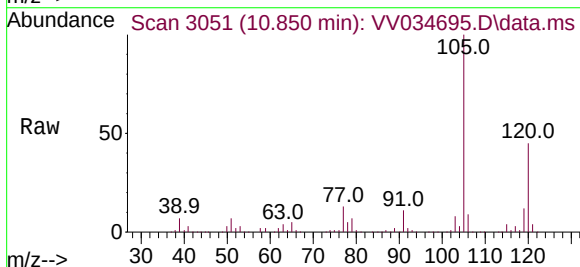
Acq: 18 Mar 2024 13:48

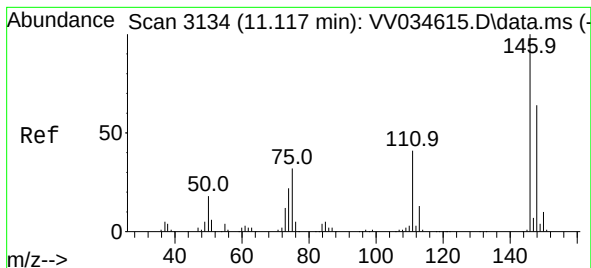
Tgt Ion:105 Resp: 556278

Ion Ratio Lower Upper

105 100

120 45.0 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 50.851 ug/L

RT: 11.114 min Scan# 3134

Delta R.T. -0.003 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

ClientSampleId :

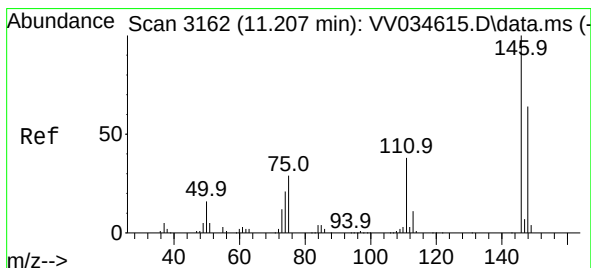
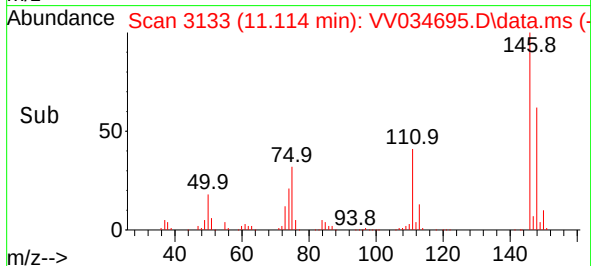
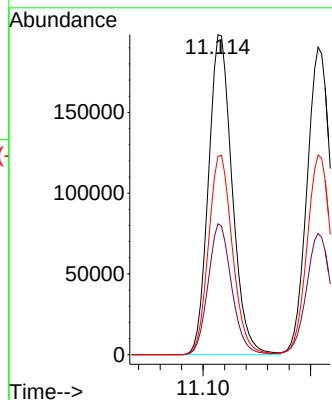
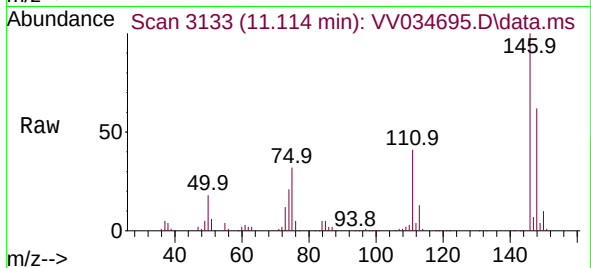
Tgt Ion:146 Resp: 303509

Ion Ratio Lower Upper

146 100

111 40.9 27.9 51.7

148 62.0 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 50.014 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

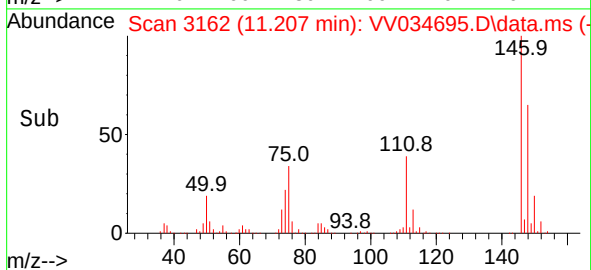
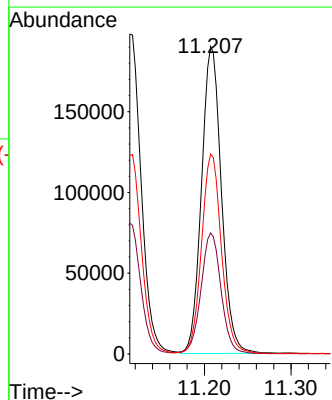
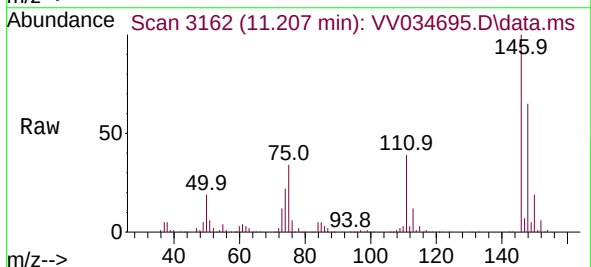
Tgt Ion:146 Resp: 303144

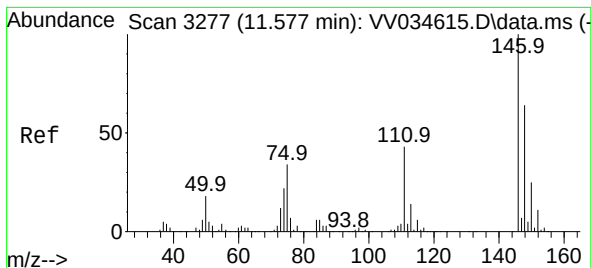
Ion Ratio Lower Upper

146 100

111 39.4 26.5 49.1

148 64.9 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 50.744 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

ClientSampleId :

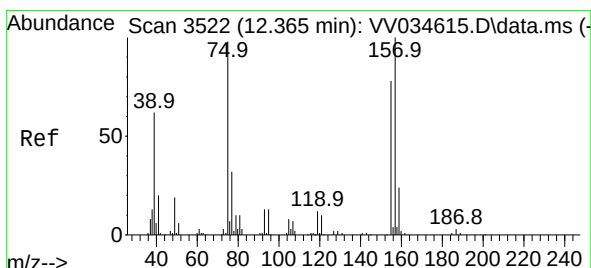
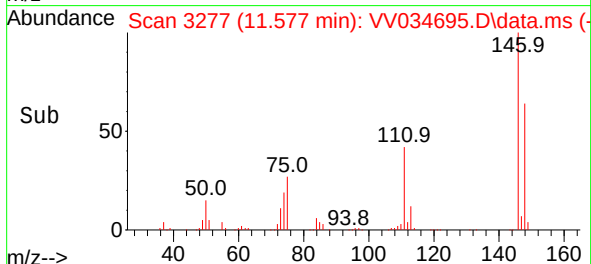
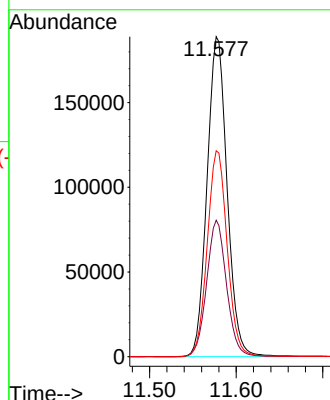
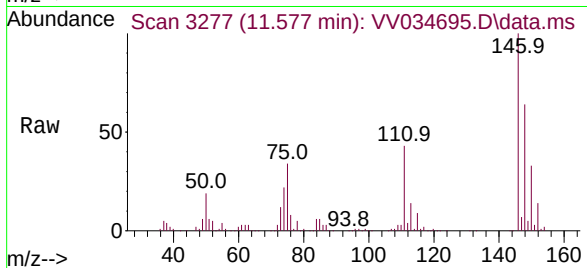
Tgt Ion:146 Resp: 303490

Ion Ratio Lower Upper

146 100

111 42.7 33.8 50.8

148 64.4 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 53.759 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

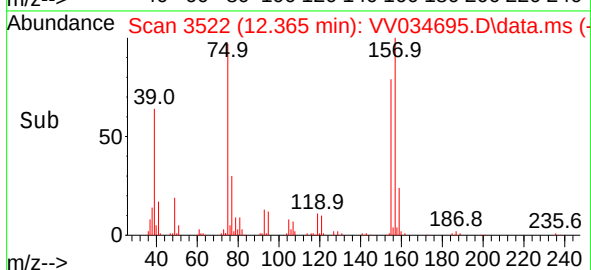
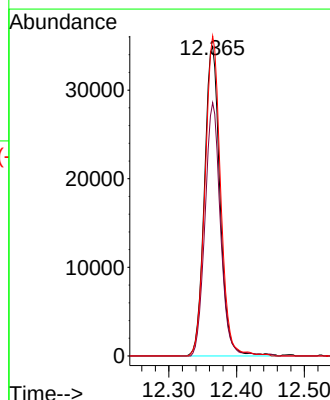
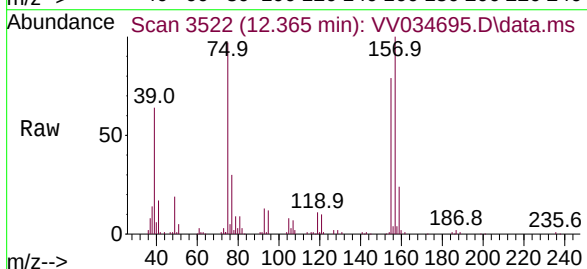
Tgt Ion: 75 Resp: 55796

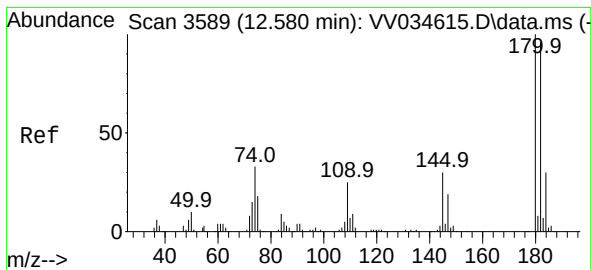
Ion Ratio Lower Upper

75 100

155 81.8 63.3 94.9

157 103.4 81.4 122.0





#69

1,3,5-Trichlorobenzene

Concen: 51.377 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

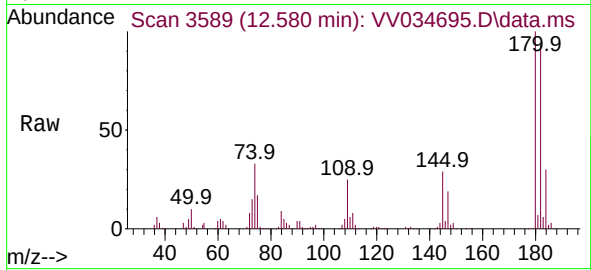
Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 230045

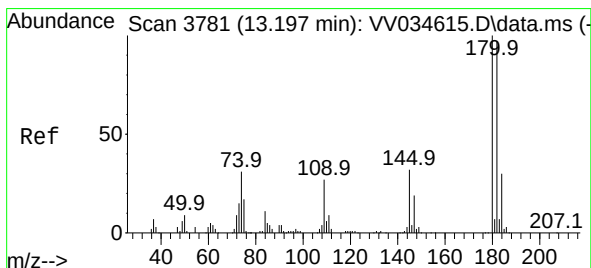
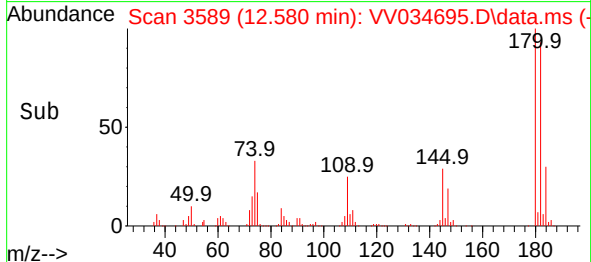
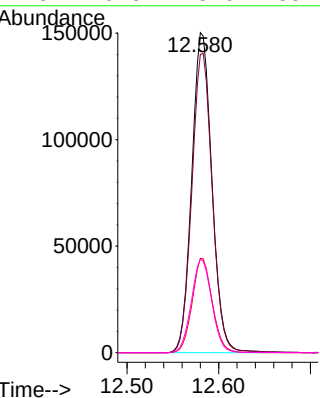
Ion Ratio Lower Upper

180 100

182 94.0 74.6 112.0

184 29.3 23.6 35.4

145 29.5 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 51.106 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

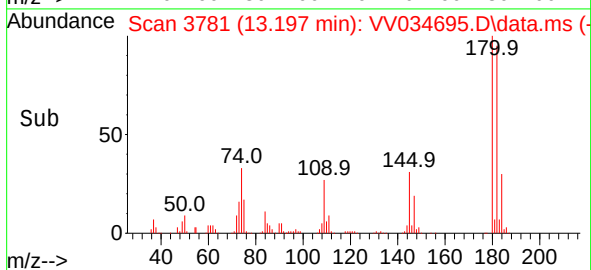
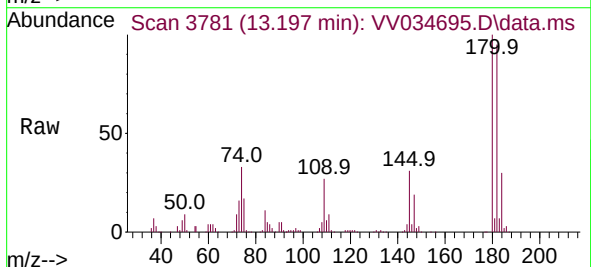
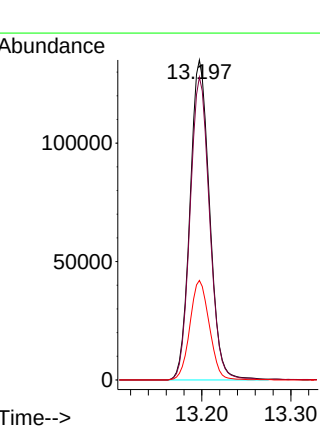
Tgt Ion:180 Resp: 205905

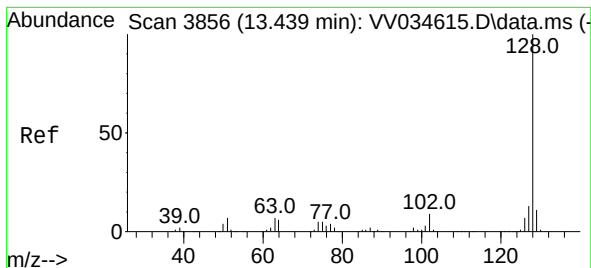
Ion Ratio Lower Upper

180 100

182 94.1 74.8 112.2

145 30.9 24.2 36.4





#71

Naphthalene

Concen: 53.324 ug/L

RT: 13.438 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Instrument :

MSVOA_V

ClientSampleId :

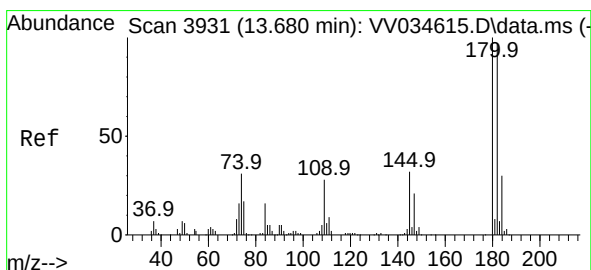
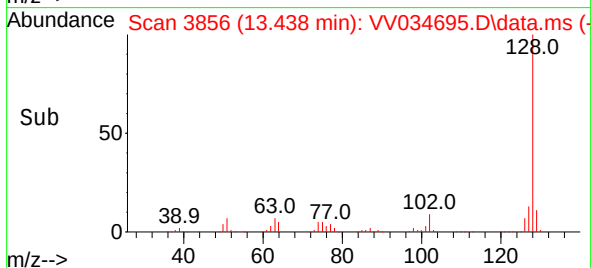
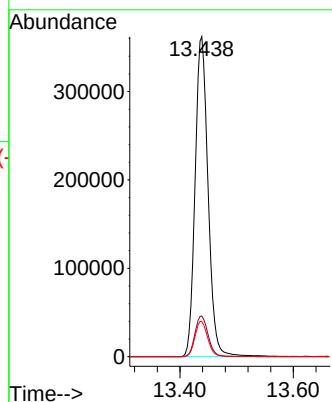
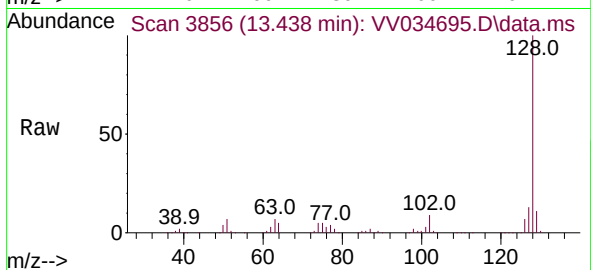
Tgt Ion:128 Resp: 574681

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 53.166 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV034695.D

Acq: 18 Mar 2024 13:48

Tgt Ion:180 Resp: 208965

Ion Ratio Lower Upper

180 100

182 94.0 75.9 113.9

145 32.7 25.5 38.3

