

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031424\
 Data File : VV034636.D
 Acq On : 15 Mar 2024 04:37
 Operator : SY/MD
 Sample : P1751-08MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 15 06:59:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 06:40:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	300797	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	280627	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.184	152	146375	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	120763	46.312	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.620%
7) Chloroethane-d5	1.529	69	100419	49.431	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.860%
11) 1,1-Dichloroethene-d2	2.056	65	55456	47.025	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.060%
21) 2-Butanone-d5	3.786	46	187912	107.760	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.760%
24) Chloroform-d	4.249	84	226958	49.226	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.460%
26) 1,2-Dichloroethane-d4	4.940	65	147514	48.962	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.920%
32) Benzene-d6	4.960	84	428595	50.605	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.220%
36) 1,2-Dichloropropane-d6	5.989	67	131465	50.863	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.720%
41) Toluene-d8	7.243	98	385742	50.329	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.660%
43) trans-1,3-Dichloroprop...	7.551	79	62651	48.269	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.540%
47) 2-Hexanone-d5	8.024	63	135448	104.943	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.940%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	185597	54.565	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.120%
66) 1,2-Dichlorobenzene-d4	11.561	152	145669	48.687	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	147331	46.696	ug/L	100
3) Chloromethane	1.214	50	144604	46.642	ug/L	98
5) Vinyl chloride	1.281	62	143383	47.644	ug/L	99
6) Bromomethane	1.484	94	81806	45.306	ug/L	100
8) Chloroethane	1.545	64	88348	49.391	ug/L	97
9) Trichlorofluoromethane	1.712	101	213683	47.414	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	114757	47.245	ug/L	98
12) 1,1-Dichloroethene	2.069	96	105784	46.966	ug/L	97
13) Acetone	2.117	43	219016	104.476	ug/L	99
14) Carbon disulfide	2.240	76	307319	49.164	ug/L	99
15) Methyl Acetate	2.375	43	116135	43.303	ug/L	100
16) Methylene chloride	2.445	84	120580	50.470	ug/L	98
17) trans-1,2-Dichloroethene	2.693	96	106931	49.050	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	405868	51.843	ug/L	99
19) 1,1-Dichloroethane	3.111	63	221075	51.767	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	124049	52.444	ug/L	96
22) 2-Butanone	3.870	43	194761	94.084	ug/L	97
23) Bromochloromethane	4.149	128	64145	52.444	ug/L	95
25) Chloroform	4.275	83	225441	50.931	ug/L	98

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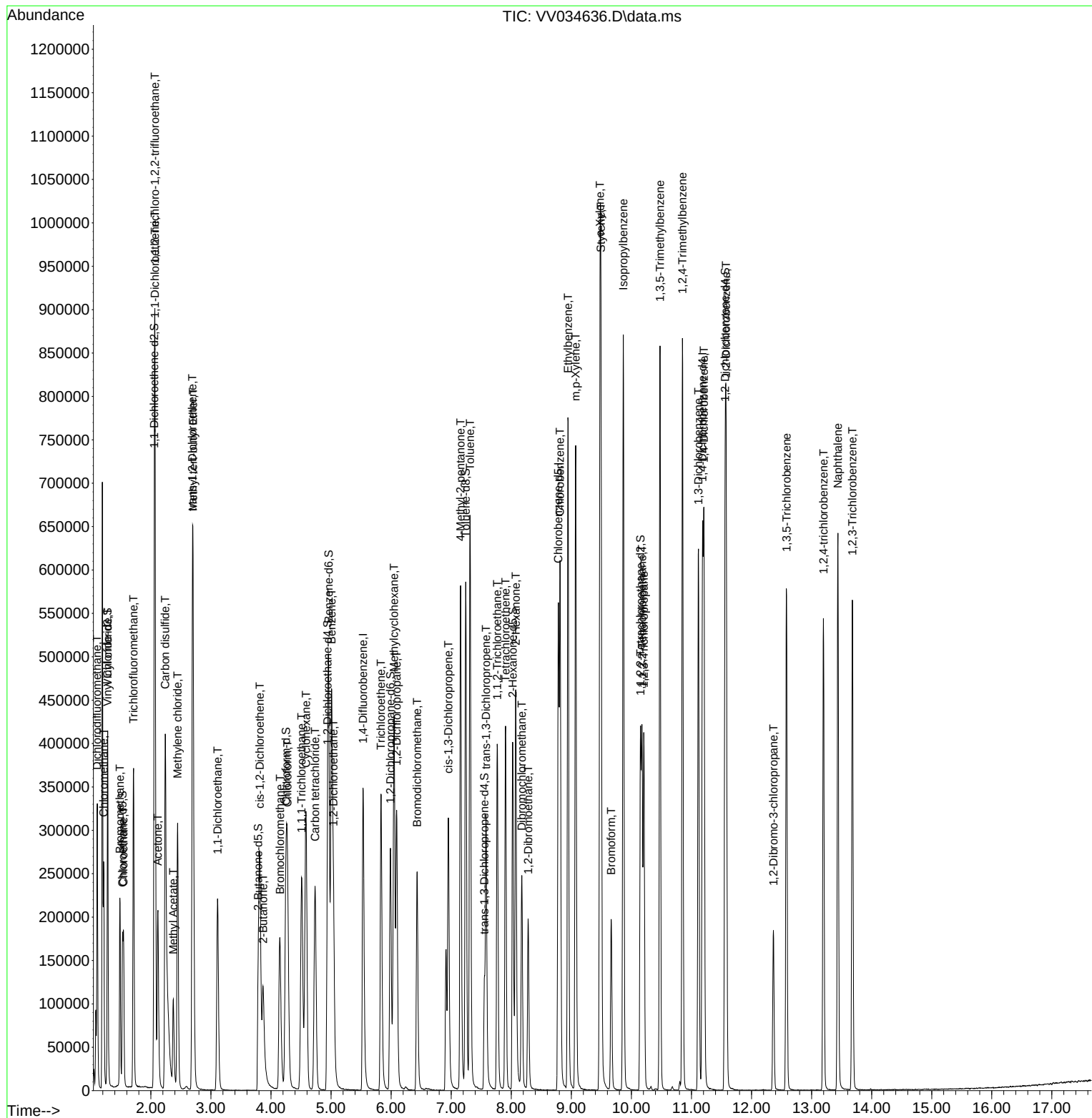
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	182467	50.738	ug/L	99
29) Cyclohexane	4.583	56	179752	48.698	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	203399	50.545	ug/L	100
31) Carbon tetrachloride	4.735	117	177270	49.756	ug/L	98
33) Benzene	5.008	78	451641	51.849	ug/L	100
34) Trichloroethene	5.831	95	117623	47.504	ug/L	95
35) Methylcyclohexane	6.050	83	180845	48.043	ug/L	98
37) 1,2-Dichloropropane	6.091	63	119131	52.238	ug/L	99
38) Bromodichloromethane	6.432	83	167794	52.308	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	185549	50.217	ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	377278	112.192	ug/L	98
42) Toluene	7.313	91	471260	51.119	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	178925	50.350	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	119656	54.379	ug/L	98
46) Tetrachloroethene	7.905	164	88778	48.212	ug/L	98
48) 2-Hexanone	8.075	43	294951	110.072	ug/L	99
49) Dibromochloromethane	8.175	129	120454	51.874	ug/L	96
50) 1,2-Dibromoethane	8.281	107	126432	54.147	ug/L	98
51) Chlorobenzene	8.812	112	304794	51.141	ug/L	99
52) Ethylbenzene	8.943	91	530112	51.319	ug/L	99
53) m,p-Xylene	9.072	106	201399	51.379	ug/L	100
54) o-Xylene	9.477	106	198594	51.739	ug/L	97
55) Styrene	9.493	104	339600	52.255	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	188533	57.046	ug/L	100
59) Bromoform	9.664	173	83921	51.712	ug/L	99
60) Isopropylbenzene	9.866	105	537535	51.924	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	155703	55.725	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	443523	50.789	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	447282	51.787	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	241247	50.401	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	238763	49.121	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	240853	50.217	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	45581	54.763	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	169754	47.275	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	155358	48.083	ug/L	98
71) Naphthalene	13.438	128	482163	55.788	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	162584	51.581	ug/L	99

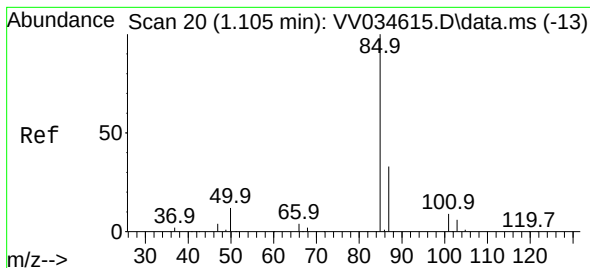
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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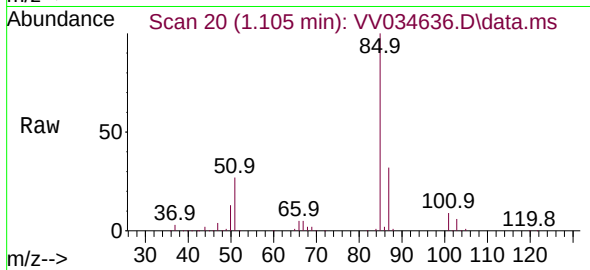
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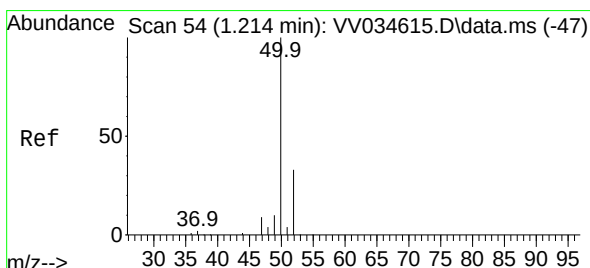
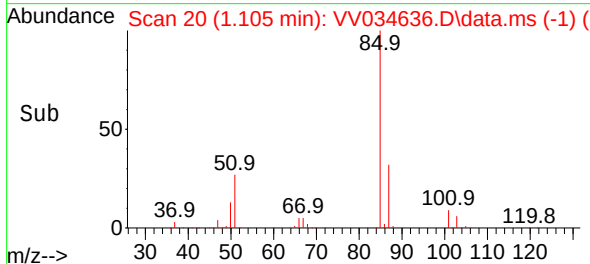
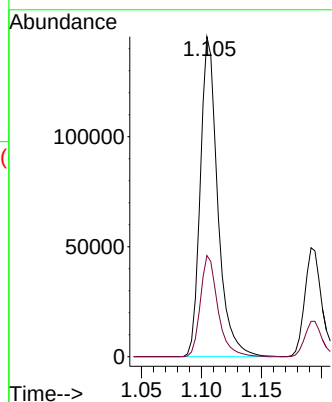


#2
 Dichlorodifluoromethane
 Concen: 46.696 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV034636.D
 Acq: 15 Mar 2024 04:37

Instrument :
 MSVOA_V
 ClientSampleId :

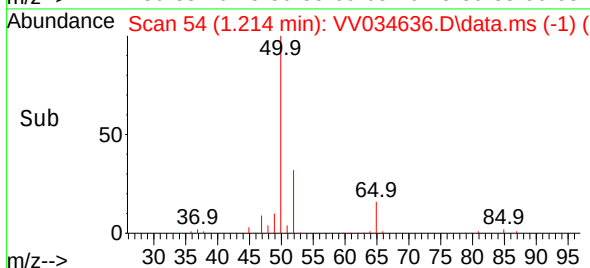
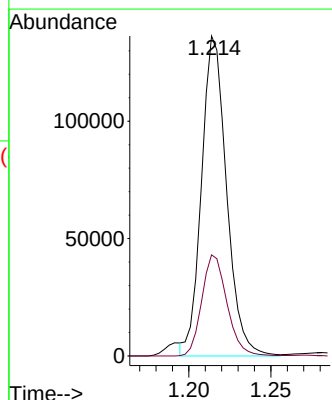
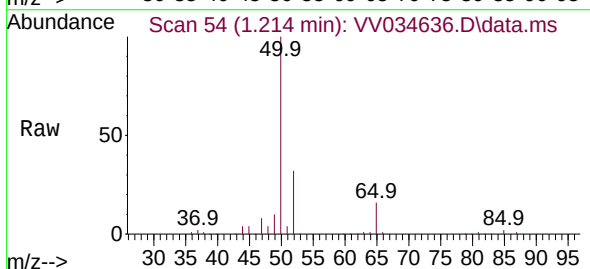


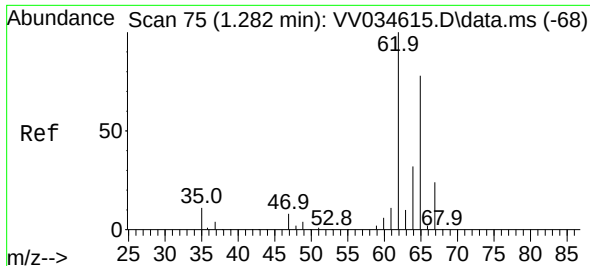
Tgt Ion: 85 Resp: 147331
 Ion Ratio Lower Upper
 85 100
 87 31.7 25.5 38.3



#3
 Chloromethane
 Concen: 46.642 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV034636.D
 Acq: 15 Mar 2024 04:37

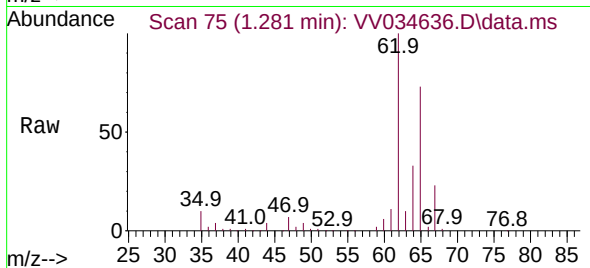
Tgt Ion: 50 Resp: 144604
 Ion Ratio Lower Upper
 50 100
 52 31.6 23.0 42.8



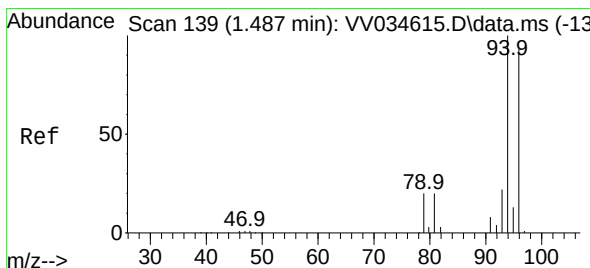
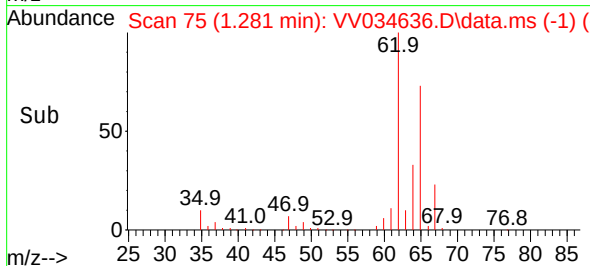
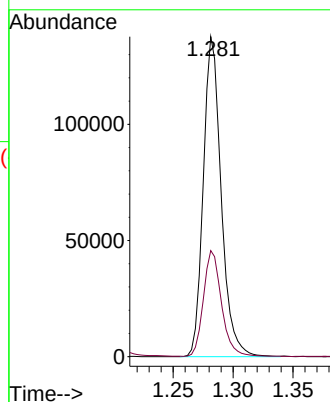


#5
 Vinyl chloride
 Concen: 47.644 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV034636.D
 Acq: 15 Mar 2024 04:37

Instrument :
 MSVOA_V
 ClientSampleId :

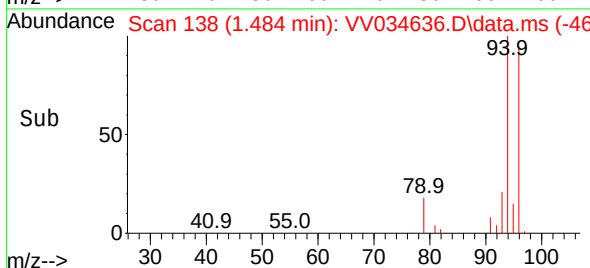
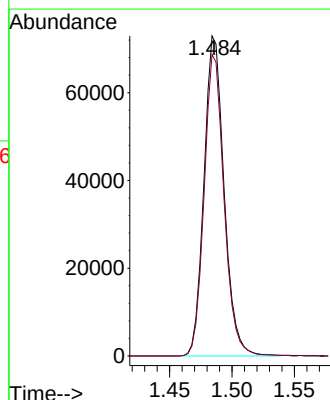
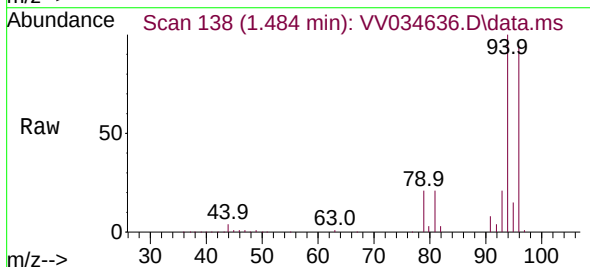


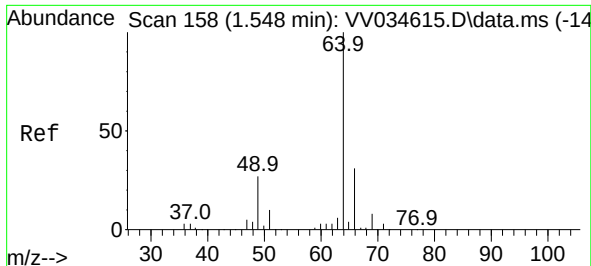
Tgt Ion: 62 Resp: 143383
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.4 43.6



#6
 Bromomethane
 Concen: 45.306 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV034636.D
 Acq: 15 Mar 2024 04:37

Tgt Ion: 94 Resp: 81806
 Ion Ratio Lower Upper
 94 100
 96 94.2 66.0 122.6

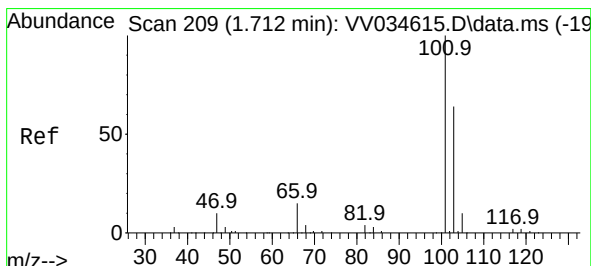
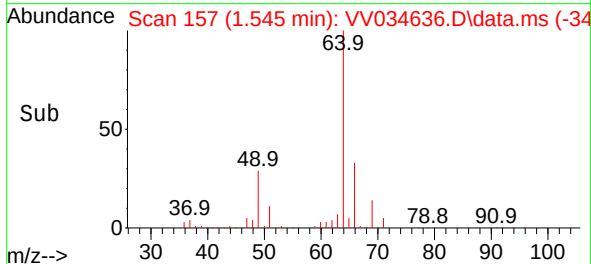
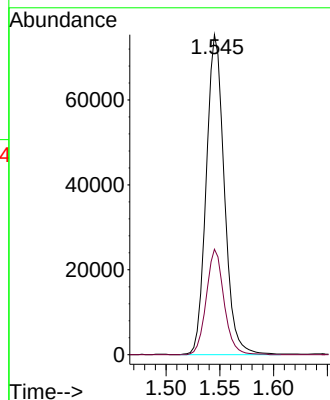
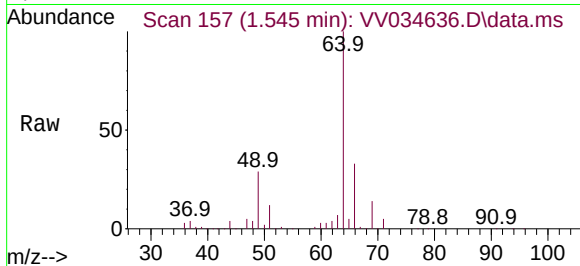




#8
Chloroethane
Concen: 49.391 ug/L
RT: 1.545 min Scan# 158
Delta R.T. -0.003 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

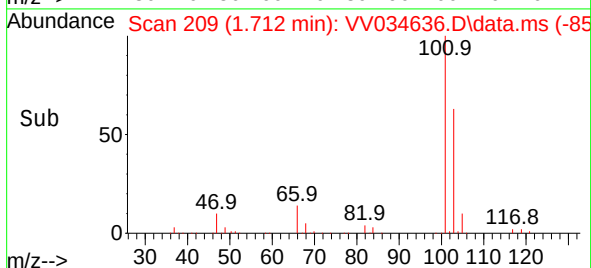
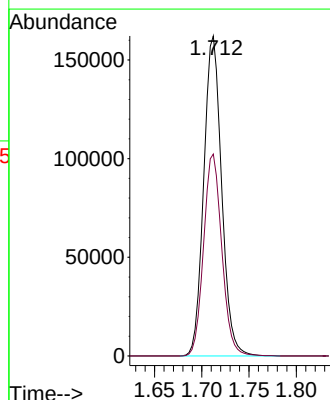
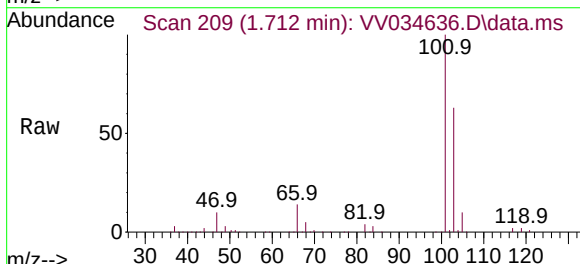
Instrument :
MSVOA_V
ClientSampleId :

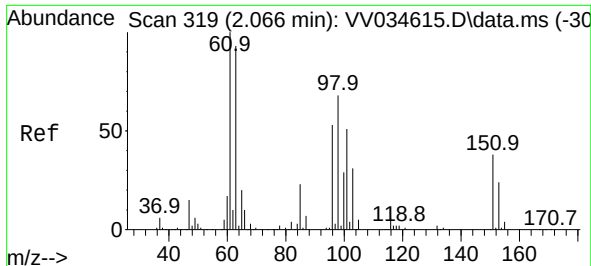
Tgt Ion: 64 Resp: 88348
Ion Ratio Lower Upper
64 100
66 32.9 22.0 40.8



#9
Trichlorofluoromethane
Concen: 47.414 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

Tgt Ion:101 Resp: 213683
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.8





#10

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

Concen: 47.245 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

Instrument :

MSVOA_V

ClientSampleId :

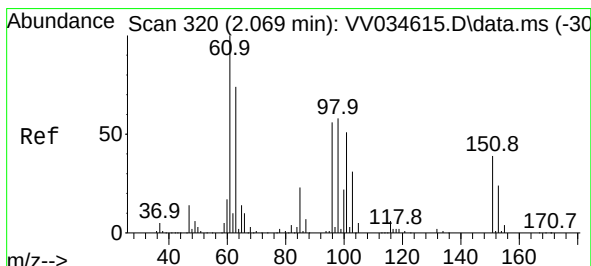
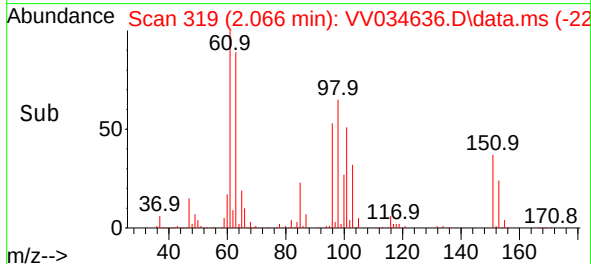
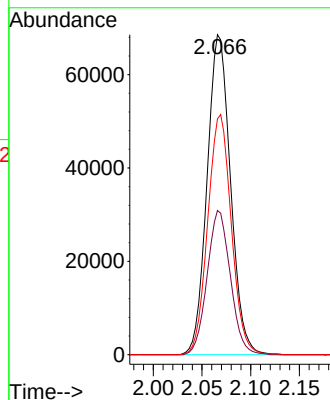
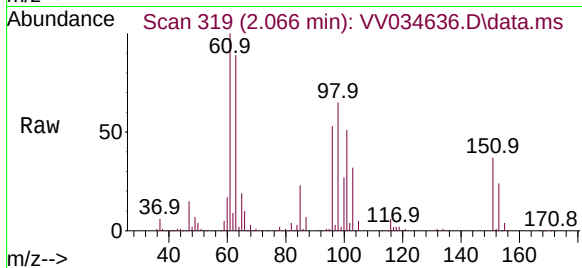
Tgt Ion:101 Resp: 114757

Ion Ratio Lower Upper

101 100

85 44.5 37.4 56.0

151 75.5 61.4 92.2



#12

1,1-Dichloroethene

Concen: 46.966 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

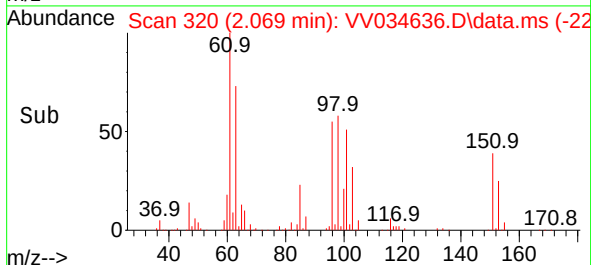
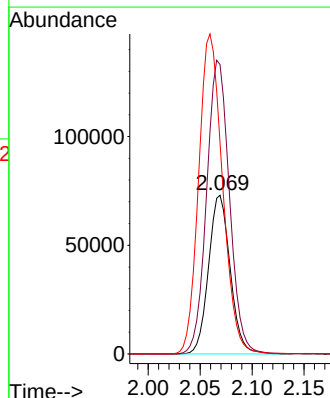
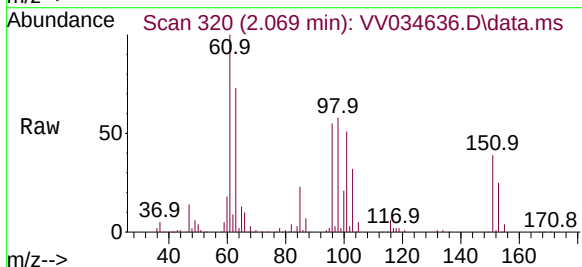
Tgt Ion: 96 Resp: 105784

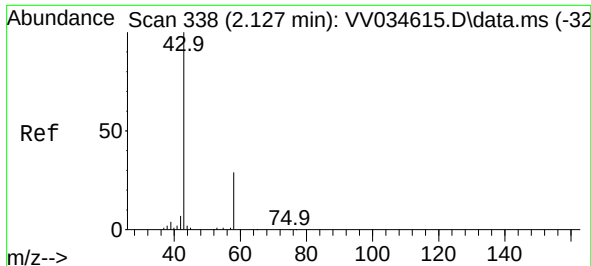
Ion Ratio Lower Upper

96 100

61 182.3 128.9 239.3

63 133.1 98.0 182.0





#13

Acetone

Concen: 104.476 ug/L

RT: 2.117 min Scan# 338

Delta R.T. -0.010 min

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Instrument :

MSVOA_V

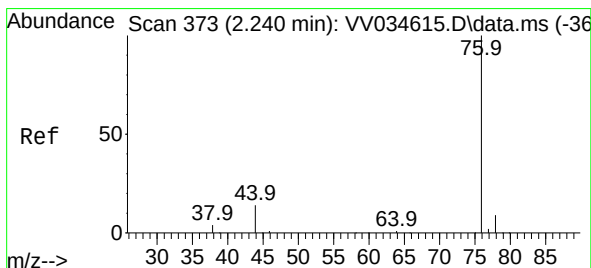
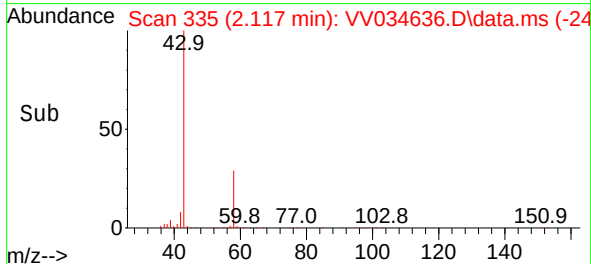
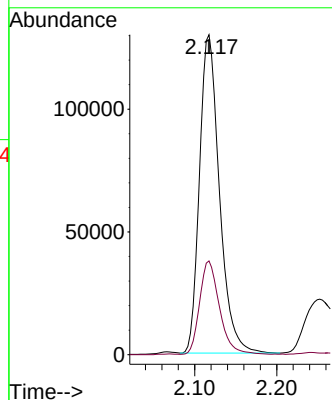
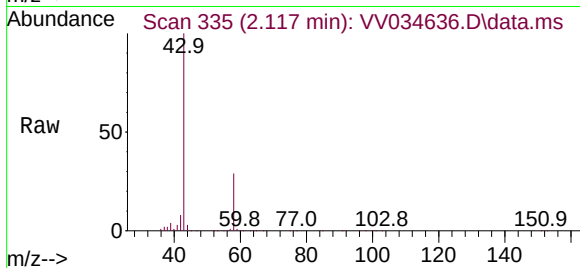
ClientSampleId :

Tgt Ion: 43 Resp: 219016

Ion Ratio Lower Upper

43 100

58 29.2 0.0 57.2



#14

Carbon disulfide

Concen: 49.164 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

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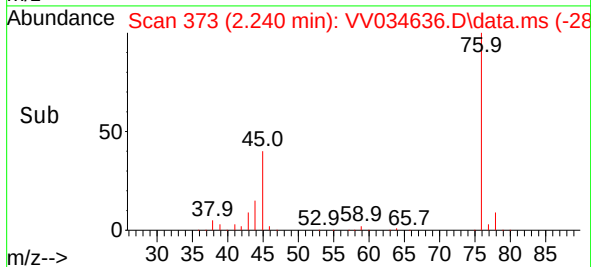
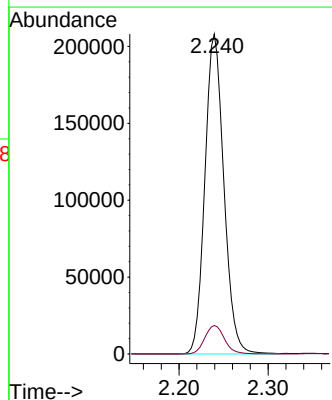
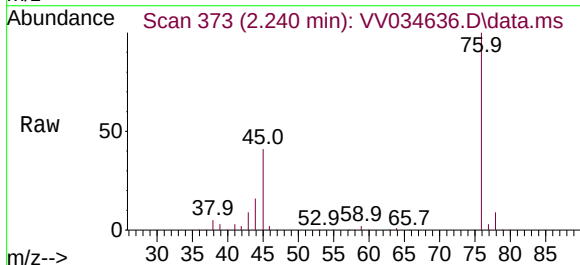
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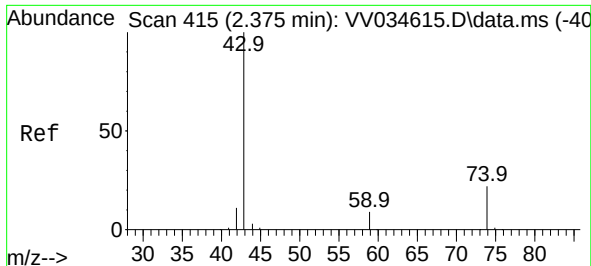
Tgt Ion: 76 Resp: 307319

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

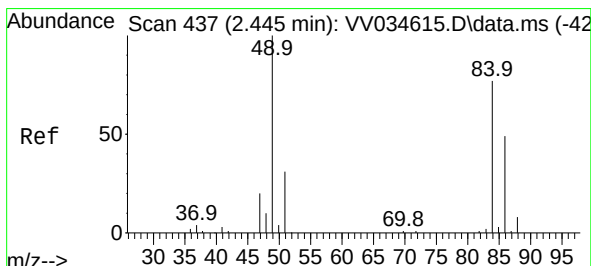
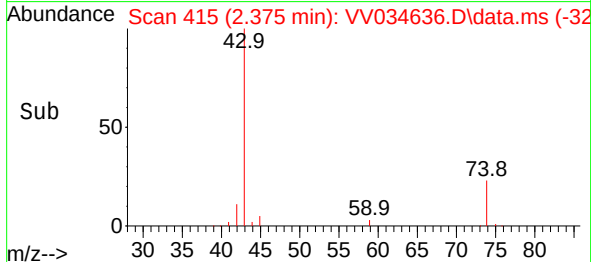
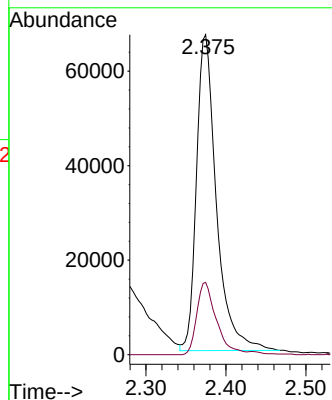
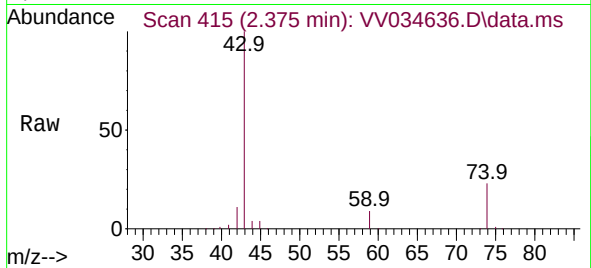




#15
Methyl Acetate
Concen: 43.303 ug/L
RT: 2.375 min Scan# 415
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

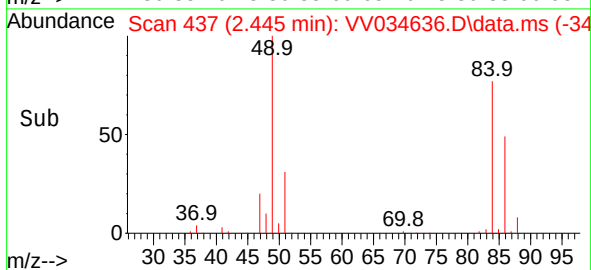
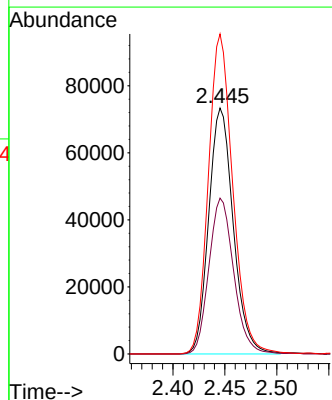
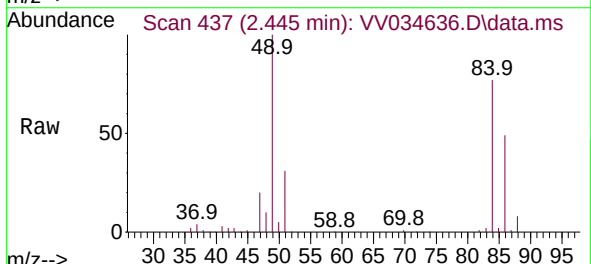
Instrument :
MSVOA_V
ClientSampleId :

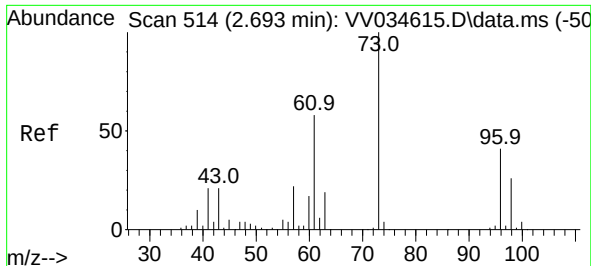
Tgt Ion: 43 Resp: 116135
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.8



#16
Methylene chloride
Concen: 50.470 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

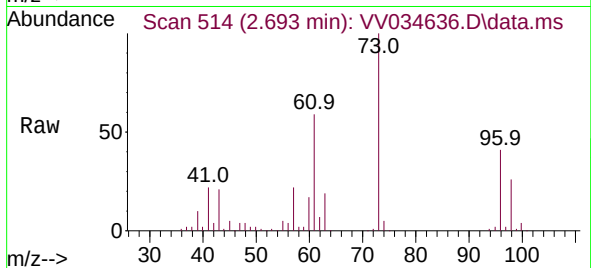
Tgt Ion: 84 Resp: 120580
Ion Ratio Lower Upper
84 100
86 63.4 45.6 84.6
49 130.2 92.3 171.3



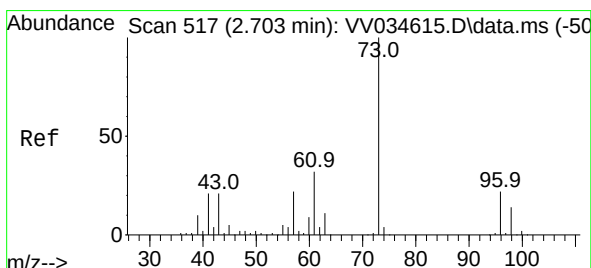
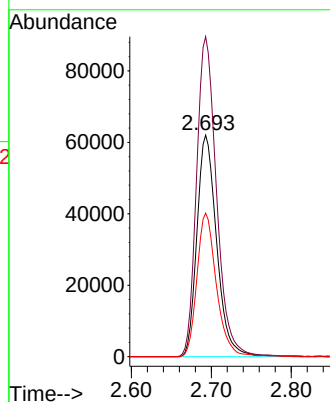
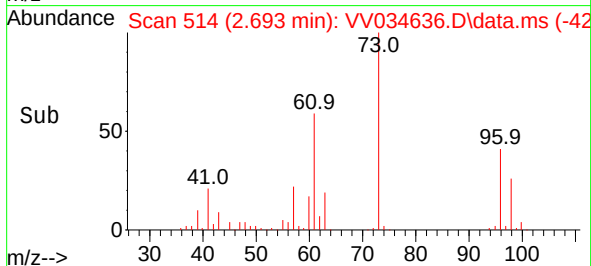


#17
trans-1,2-Dichloroethene
Concen: 49.050 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

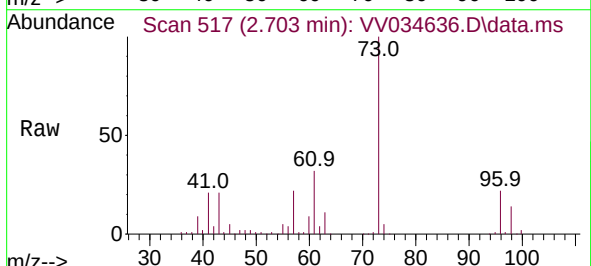
Instrument :
MSVOA_V
ClientSampleId :



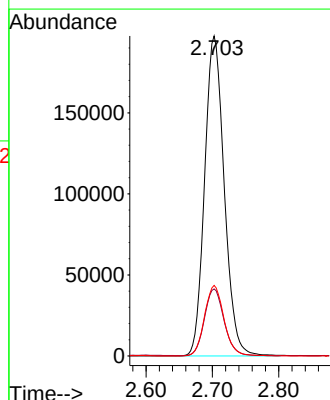
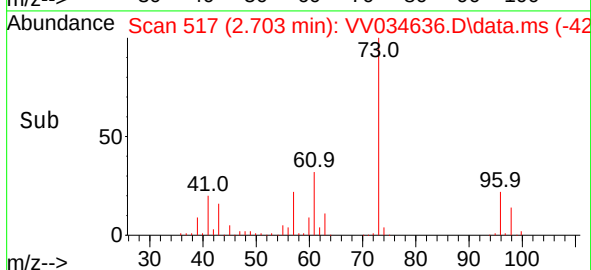
Tgt Ion: 96 Resp: 106931
Ion Ratio Lower Upper
96 100
61 144.5 98.8 183.4
98 64.8 46.1 85.5

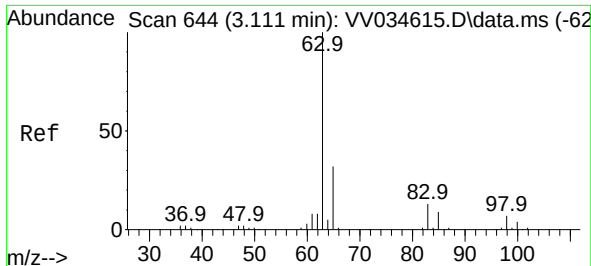


#18
Methyl tert-butyl Ether
Concen: 51.843 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37



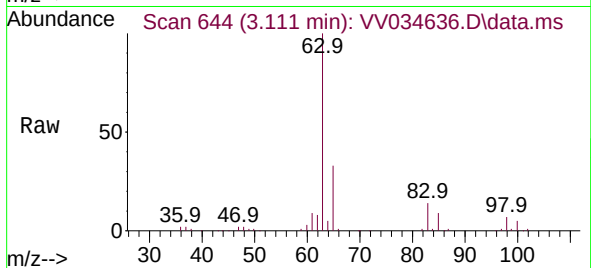
Tgt Ion: 73 Resp: 405868
Ion Ratio Lower Upper
73 100
43 20.8 17.1 25.7
57 21.9 17.6 26.4



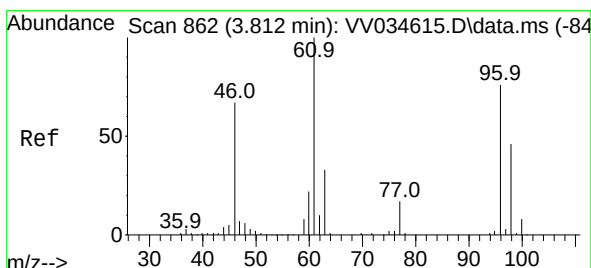
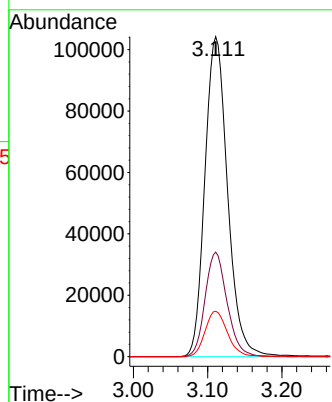
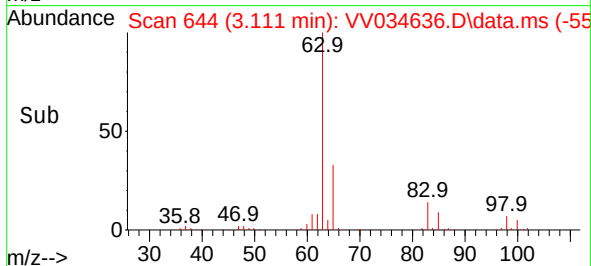


#19
1,1-Dichloroethane
Concen: 51.767 ug/L
RT: 3.111 min Scan# 644
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

Instrument :
MSVOA_V
ClientSampleId :

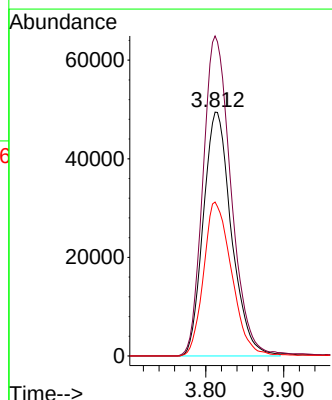
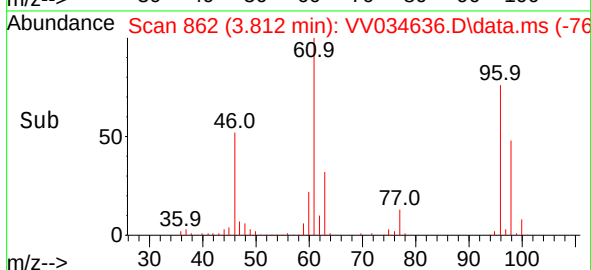
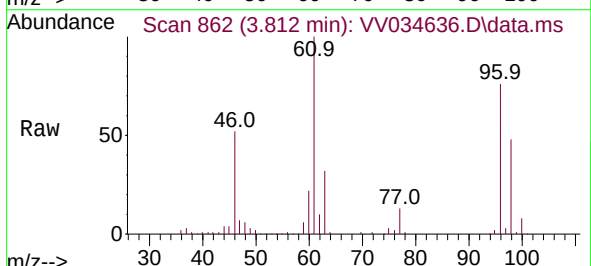


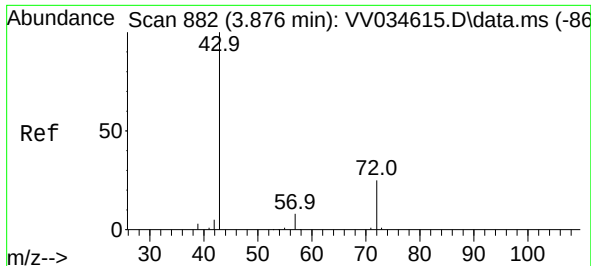
Tgt Ion: 63 Resp: 221075
Ion Ratio Lower Upper
63 100
65 32.7 22.1 41.1
83 14.2 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 52.444 ug/L
RT: 3.812 min Scan# 862
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

Tgt Ion: 96 Resp: 124049
Ion Ratio Lower Upper
96 100
61 131.2 96.0 178.4
98 63.1 46.0 85.4

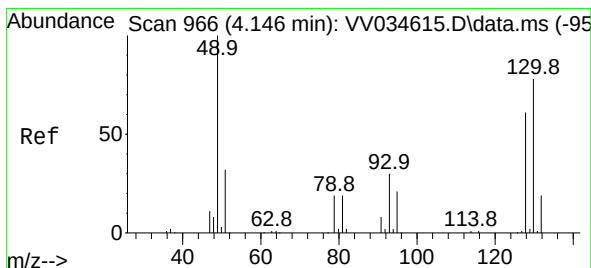
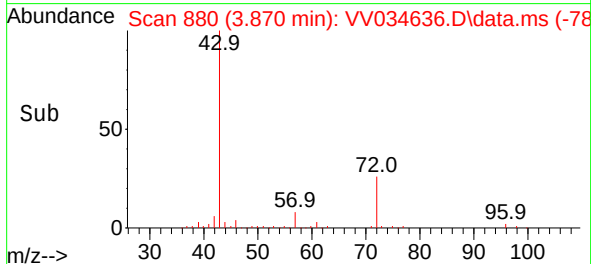
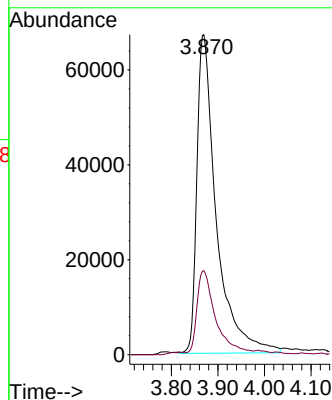
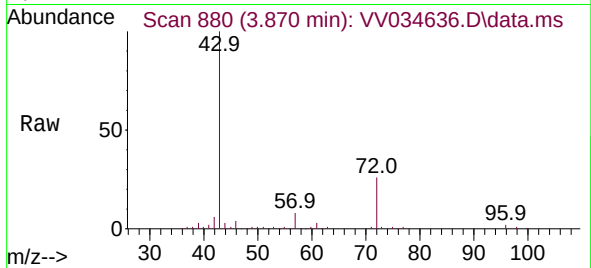




#22
2-Butanone
Concen: 94.084 ug/L
RT: 3.870 min Scan# 881
Delta R.T. -0.007 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

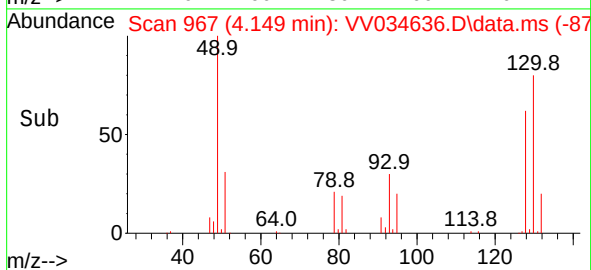
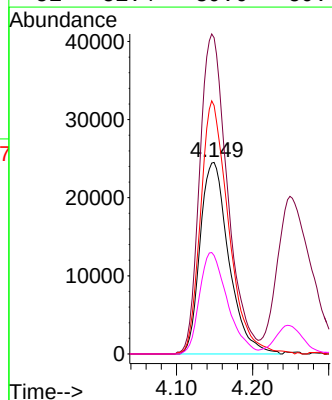
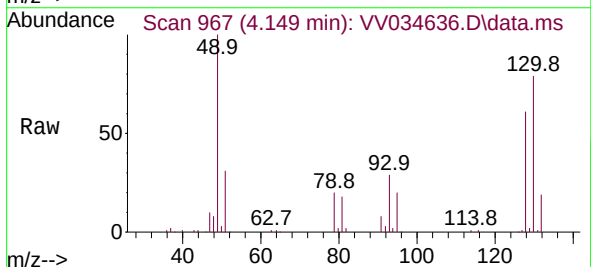
Instrument :
MSVOA_V
ClientSampleId :

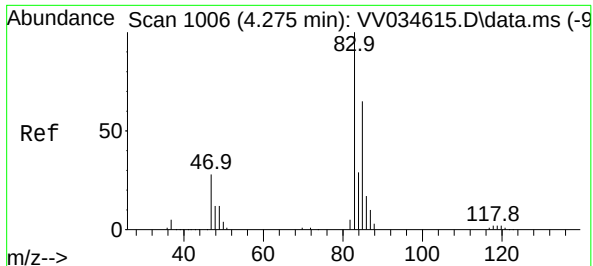
Tgt Ion: 43 Resp: 194761
Ion Ratio Lower Upper
43 100
72 24.3 11.5 34.4



#23
Bromochloromethane
Concen: 52.444 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

Tgt Ion:128 Resp: 64145
Ion Ratio Lower Upper
128 100
49 165.0 109.4 203.2
130 129.6 87.7 162.9
51 51.4 39.6 59.4





#25

Chloroform

Concen: 50.931 ug/L

RT: 4.275 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

Instrument :

MSVOA_V

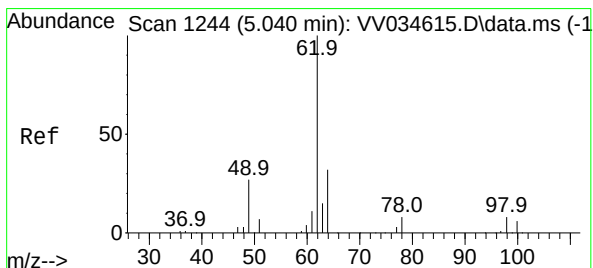
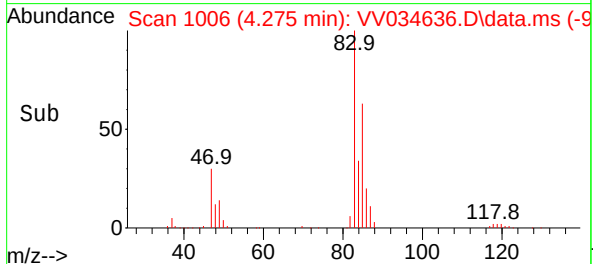
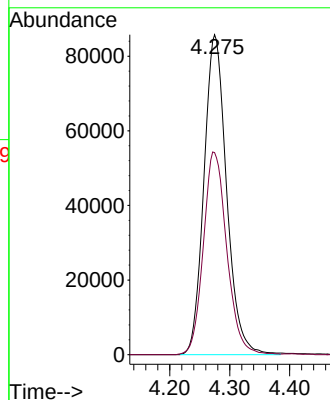
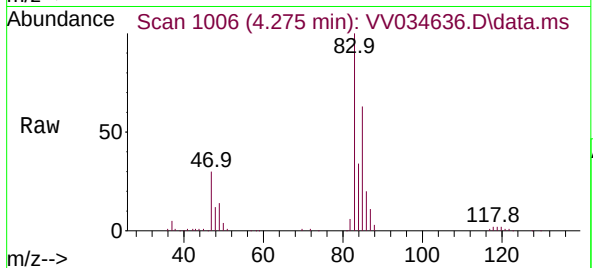
ClientSampleId :

Tgt Ion: 83 Resp: 225441

Ion Ratio Lower Upper

83 100

85 63.2 45.5 84.5



#27

1,2-Dichloroethane

Concen: 50.738 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.000 min

Lab File: VV034636.D

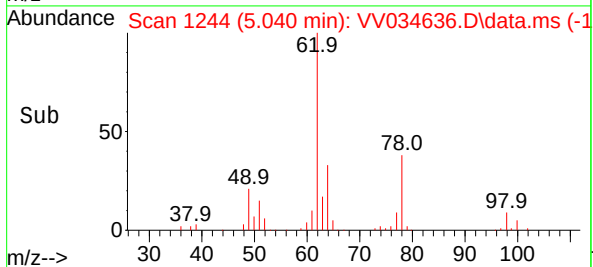
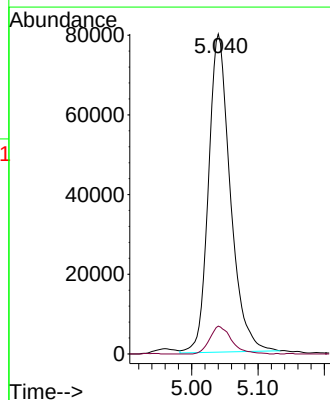
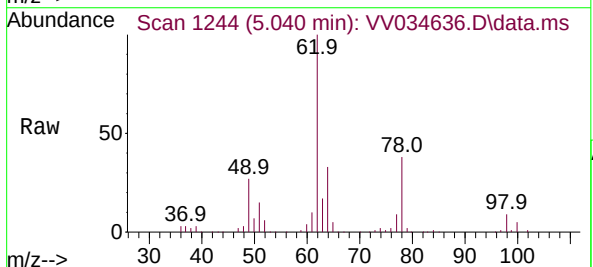
Acq: 15 Mar 2024 04:37

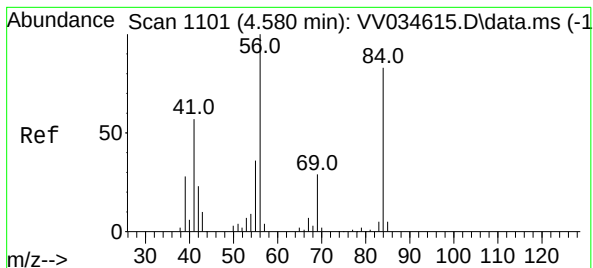
Tgt Ion: 62 Resp: 182467

Ion Ratio Lower Upper

62 100

98 8.7 6.6 10.0





#29

Cyclohexane

Concen: 48.698 ug/L

RT: 4.583 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

Instrument :

MSVOA_V

ClientSampleId :

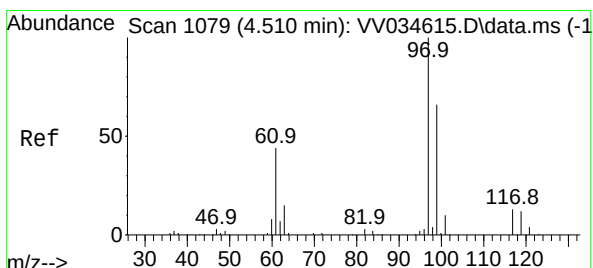
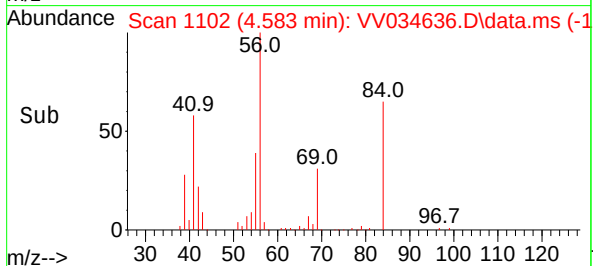
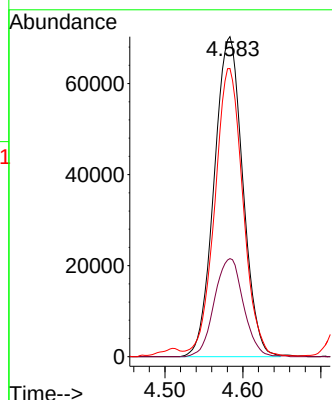
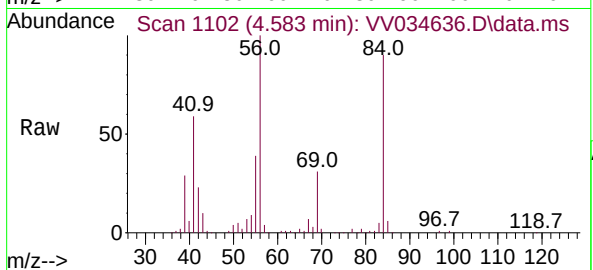
Tgt Ion: 56 Resp: 179752

Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.4

84 88.5 70.5 105.7



#30

1,1,1-Trichloroethane

Concen: 50.545 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

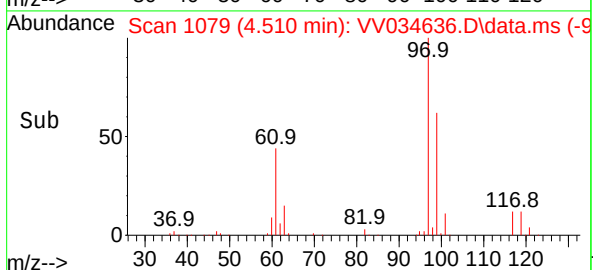
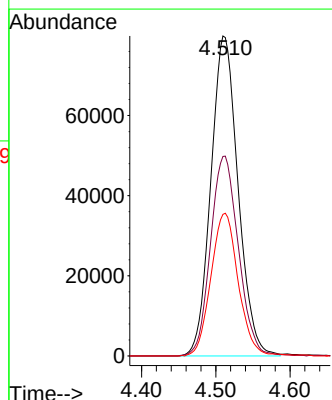
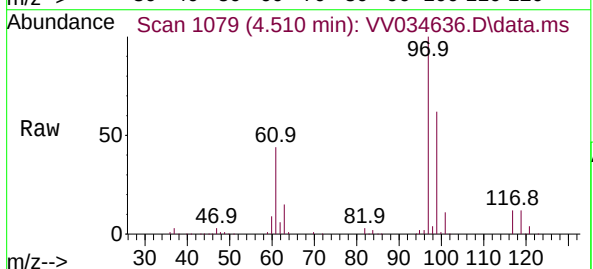
Tgt Ion: 97 Resp: 203399

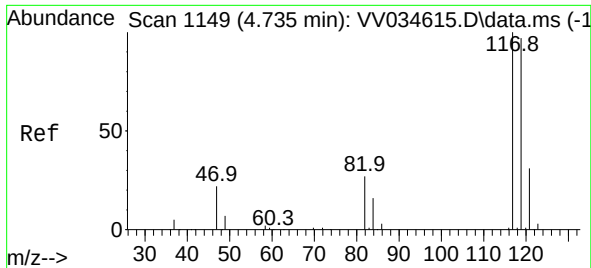
Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 44.6 36.0 54.0

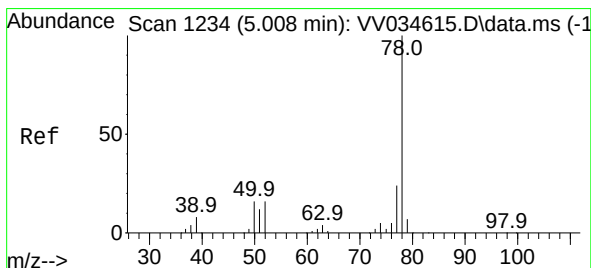
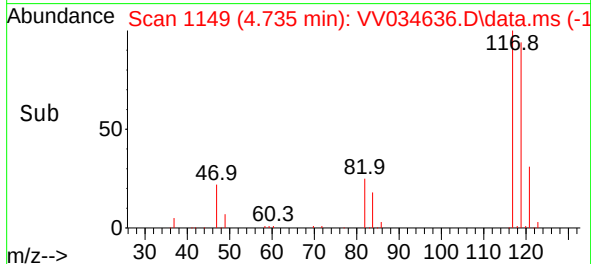
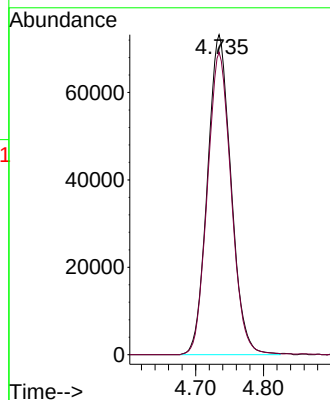
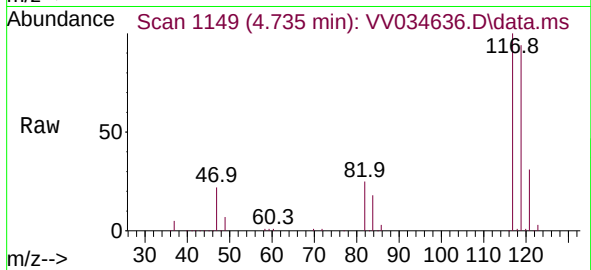




#31
Carbon tetrachloride
Concen: 49.756 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

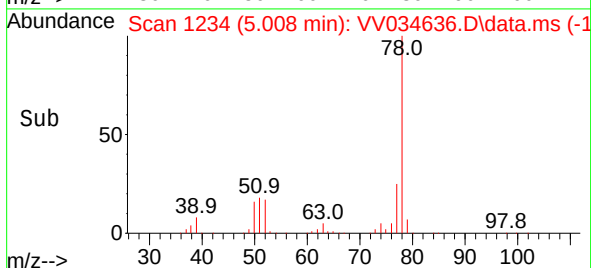
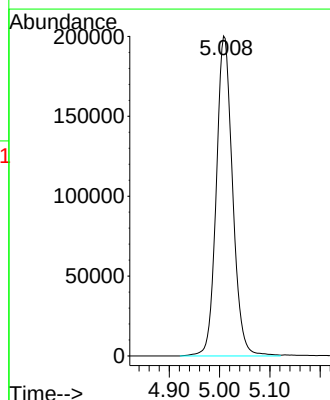
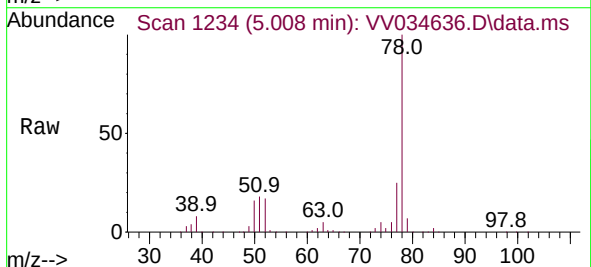
Instrument :
MSVOA_V
ClientSampleId :

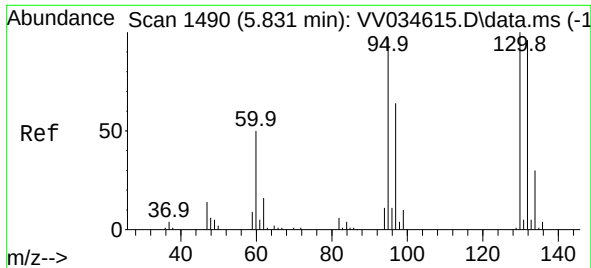
Tgt Ion:117 Resp: 177270
Ion Ratio Lower Upper
117 100
119 95.1 77.5 116.3



#33
Benzene
Concen: 51.849 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

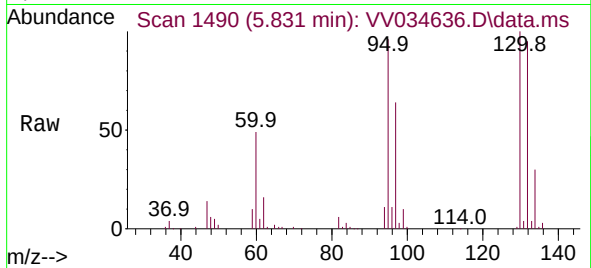
Tgt Ion: 78 Resp: 451641



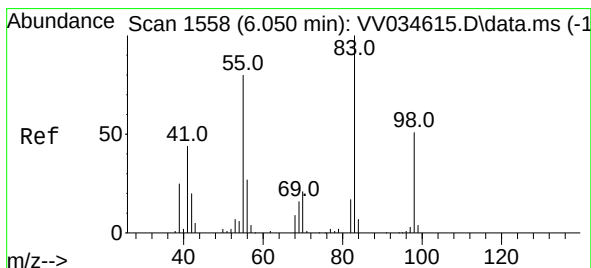
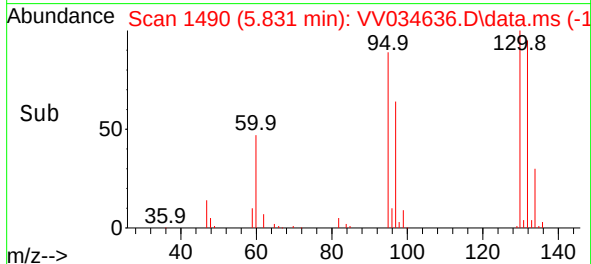
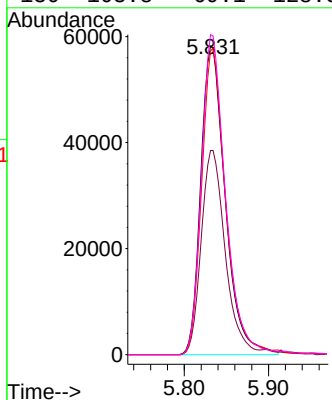


#34
Trichloroethene
Concen: 47.504 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

Instrument :
MSVOA_V
ClientSampleId :

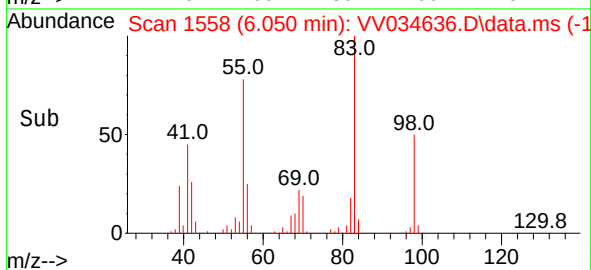
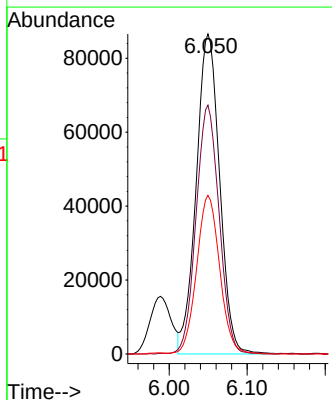
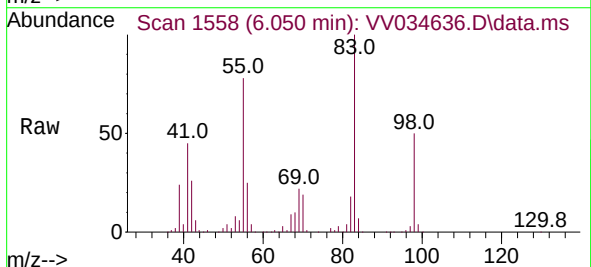


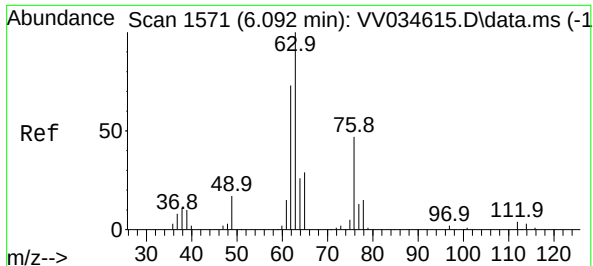
Tgt Ion:	95	Resp:	117623
Ion	Ratio	Lower	Upper
95	100		
97	66.2	44.7	83.1
132	98.5	65.3	121.3
130	103.8	69.1	128.3



#35
Methylcyclohexane
Concen: 48.043 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

Tgt Ion:	83	Resp:	180845
Ion	Ratio	Lower	Upper
83	100		
55	76.1	62.6	94.0
98	48.9	39.5	59.3

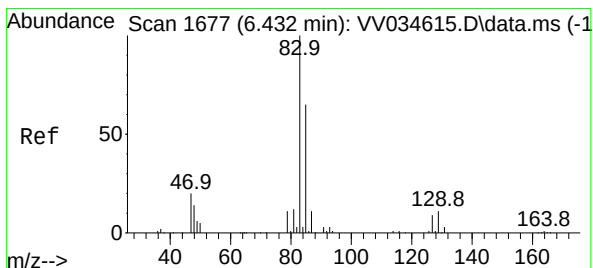
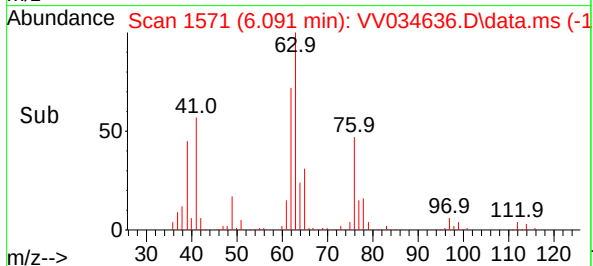
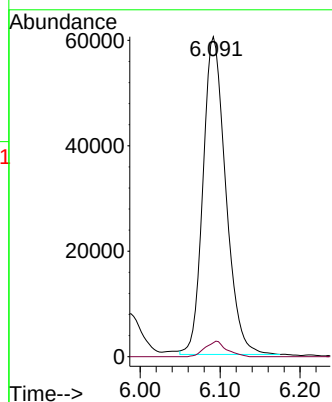
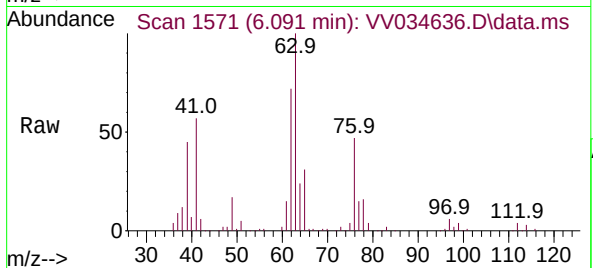




#37
1,2-Dichloropropane
Concen: 52.238 ug/L
RT: 6.091 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

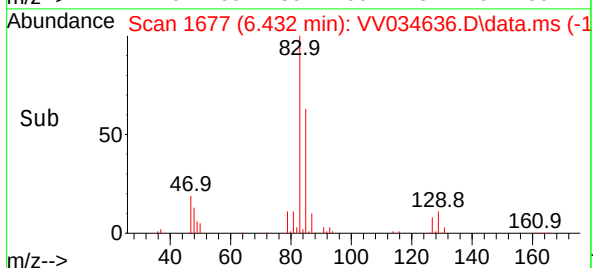
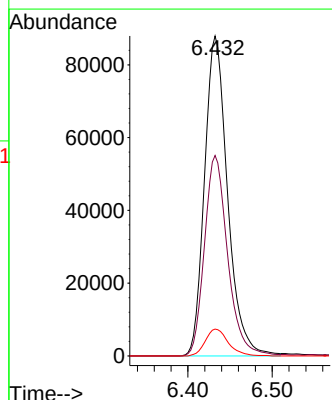
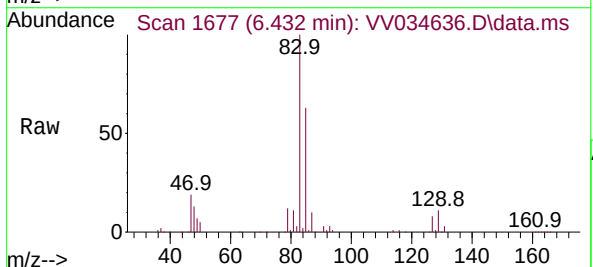
Instrument :
MSVOA_V
ClientSampleId :

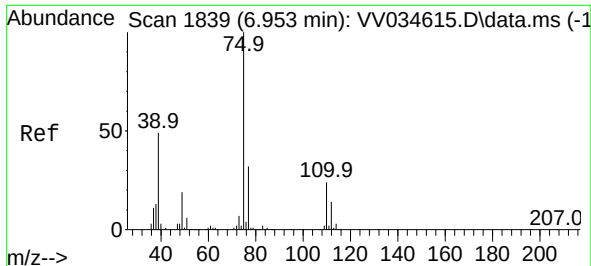
Tgt Ion: 63 Resp: 119131
Ion Ratio Lower Upper
63 100
112 4.6 3.5 5.3



#38
Bromodichloromethane
Concen: 52.308 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

Tgt Ion: 83 Resp: 167794
Ion Ratio Lower Upper
83 100
85 62.7 44.6 82.8
127 8.4 6.9 10.3

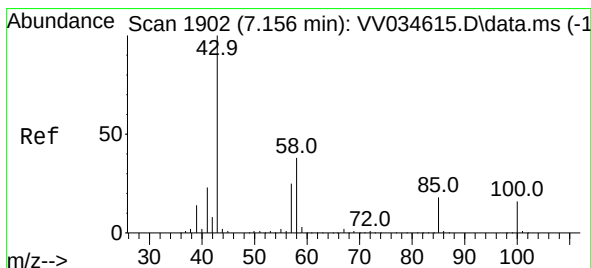
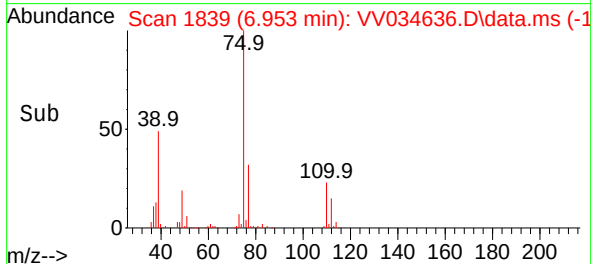
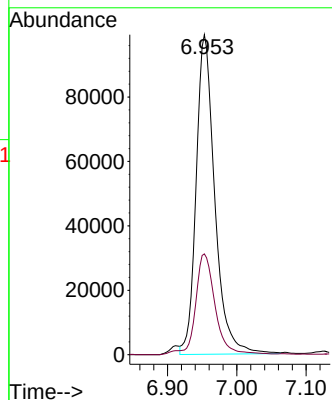
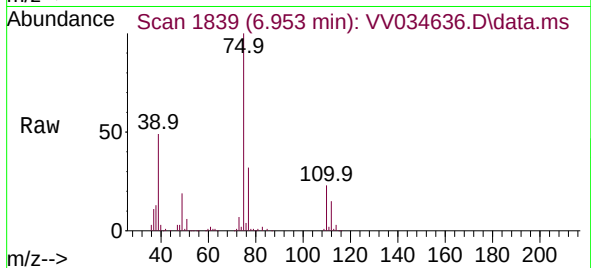




#39
cis-1,3-Dichloropropene
Concen: 50.217 ug/L
RT: 6.953 min Scan# 1839
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

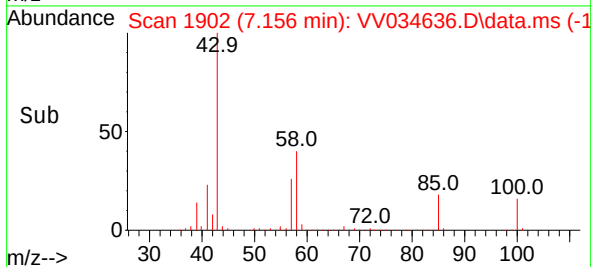
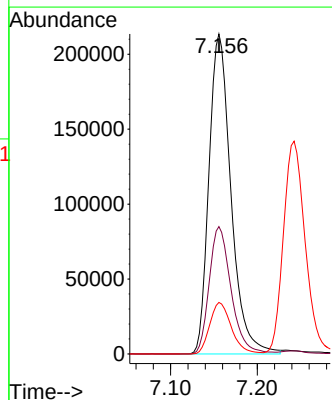
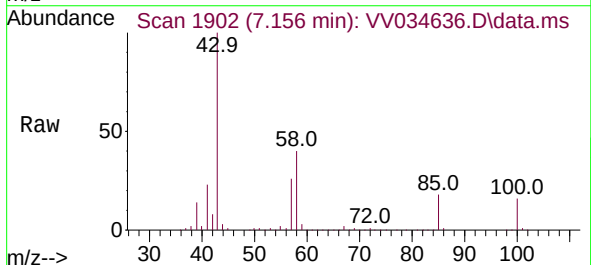
Instrument :
MSVOA_V
ClientSampleId :

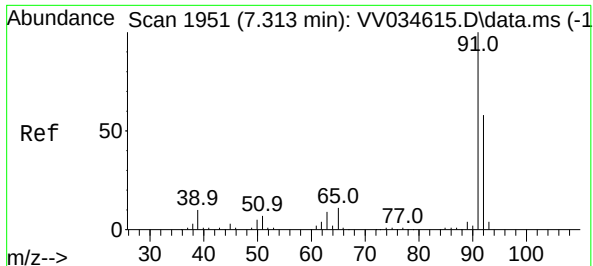
Tgt Ion: 75 Resp: 185549
Ion Ratio Lower Upper
75 100
77 31.5 20.9 38.9



#40
4-Methyl-2-pentanone
Concen: 112.192 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

Tgt Ion: 43 Resp: 377278
Ion Ratio Lower Upper
43 100
58 39.5 30.6 46.0
100 15.9 12.5 18.7





#42

Toluene

Concen: 51.119 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

Instrument :

MSVOA_V

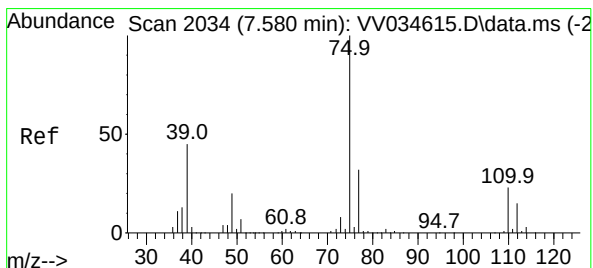
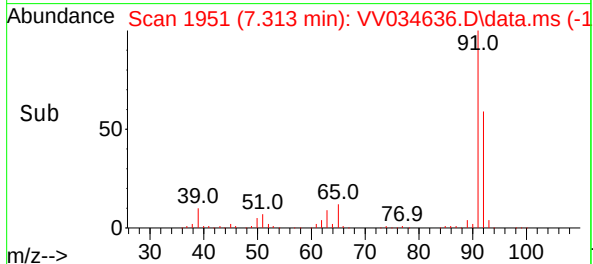
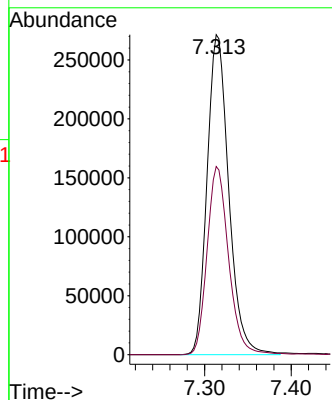
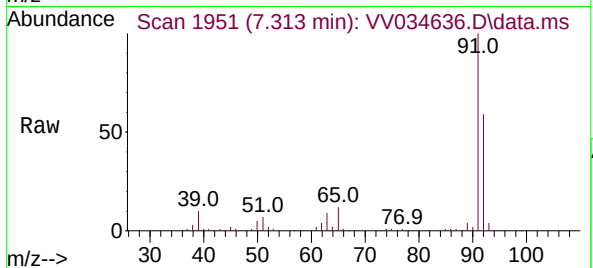
ClientSampleId :

Tgt Ion: 91 Resp: 471260

Ion Ratio Lower Upper

91 100

92 58.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 50.350 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.000 min

Lab File: VV034636.D

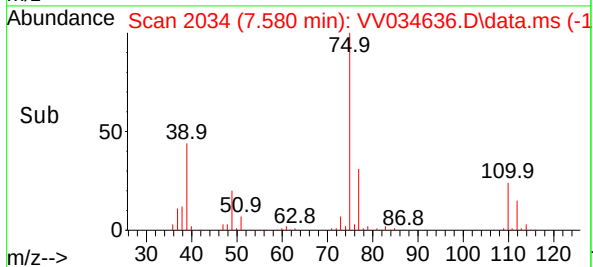
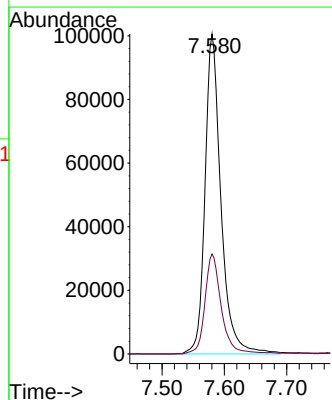
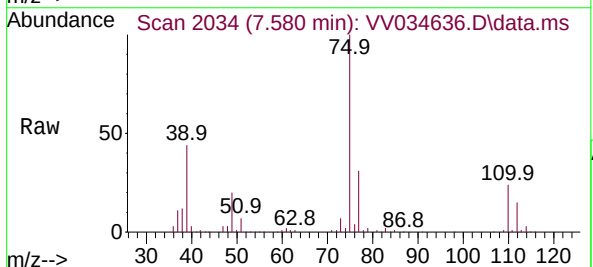
Acq: 15 Mar 2024 04:37

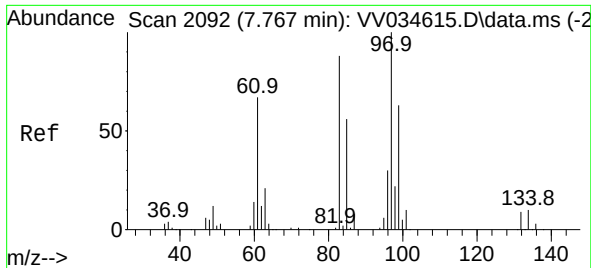
Tgt Ion: 75 Resp: 178925

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.4

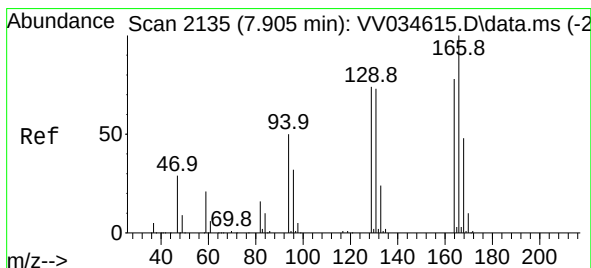
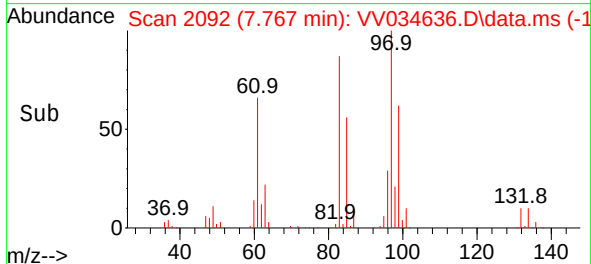
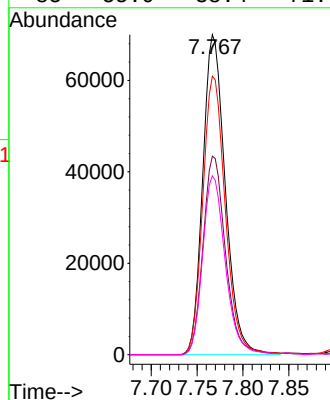
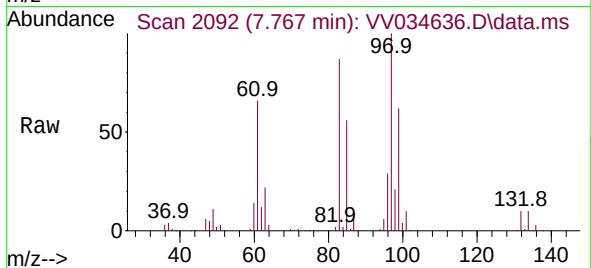




#45
1,1,2-Trichloroethane
Concen: 54.379 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

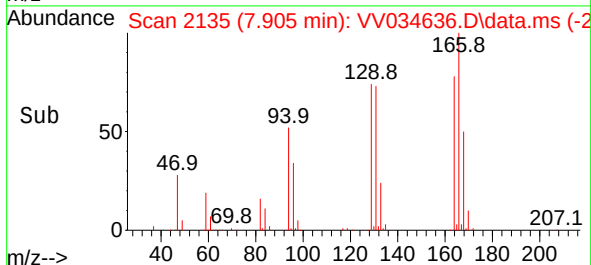
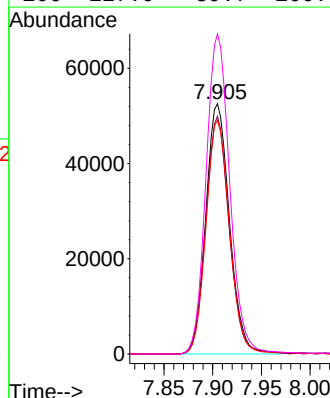
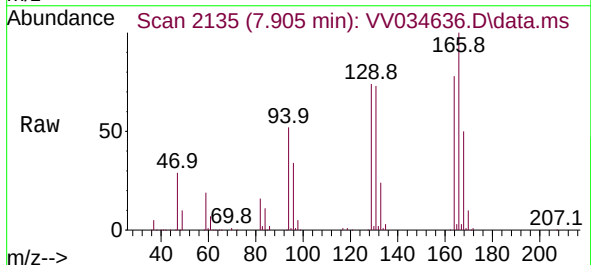
Instrument :
MSVOA_V
ClientSampleId :

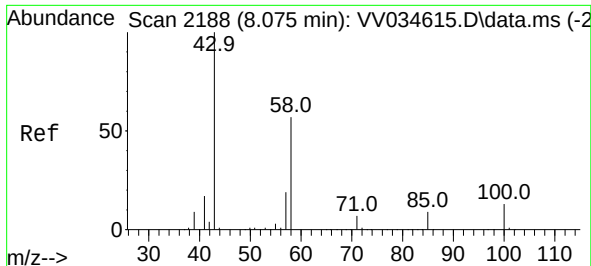
Tgt Ion:	97	Resp:	119656
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.8	81.4
83	87.0	59.4	110.2
85	55.9	38.4	71.4



#46
Tetrachloroethene
Concen: 48.212 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

Tgt Ion:	164	Resp:	88778
Ion	Ratio	Lower	Upper
164	100		
129	95.0	65.7	121.9
131	93.5	62.2	115.6
166	127.9	89.7	166.7





#48

2-Hexanone

Concen: 110.072 ug/L

RT: 8.075 min Scan# 2188

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 294951

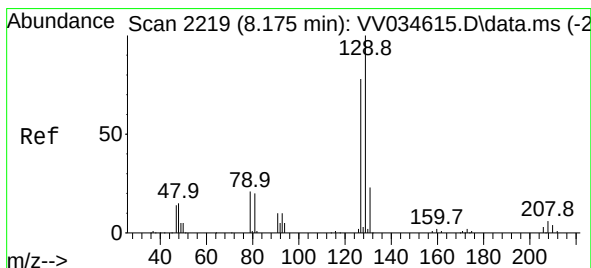
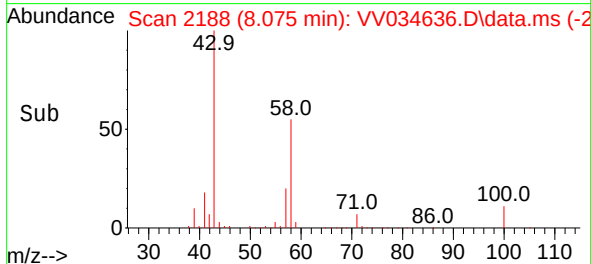
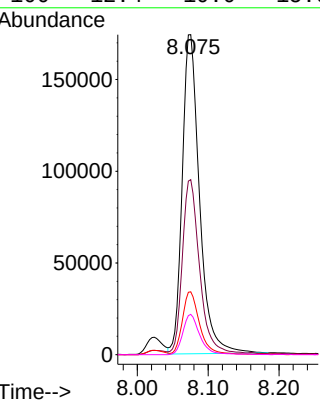
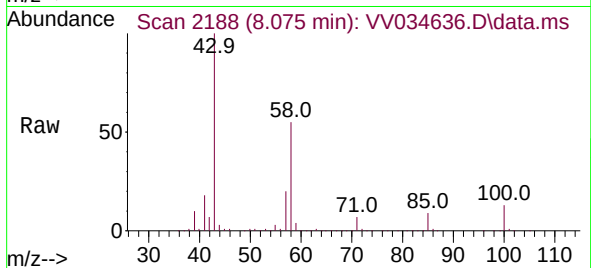
Ion Ratio Lower Upper

43 100

58 53.8 42.0 63.0

57 19.3 15.2 22.8

100 12.4 10.0 15.0



#49

Dibromochloromethane

Concen: 51.874 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. -0.000 min

Lab File: VV034636.D

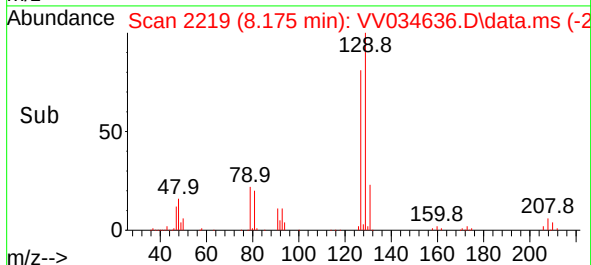
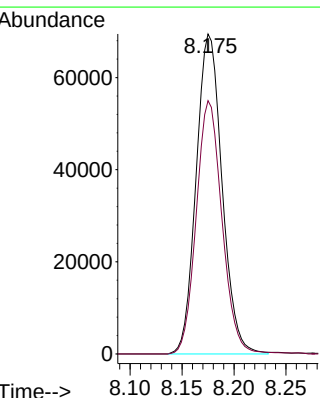
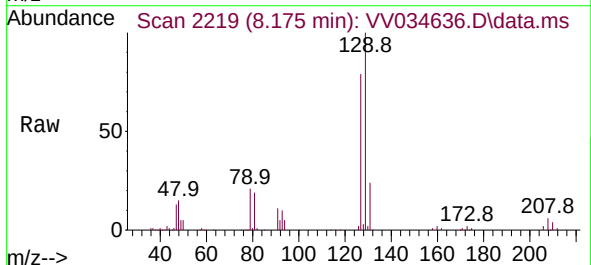
Acq: 15 Mar 2024 04:37

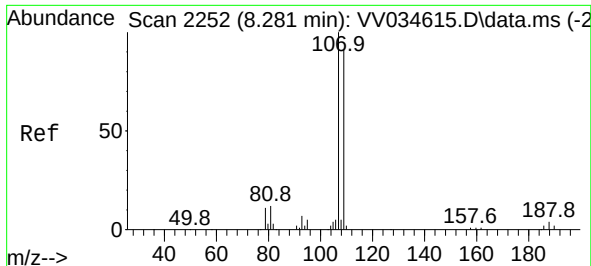
Tgt Ion: 129 Resp: 120454

Ion Ratio Lower Upper

129 100

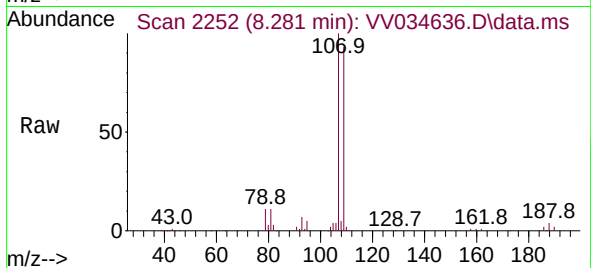
127 79.1 53.3 98.9



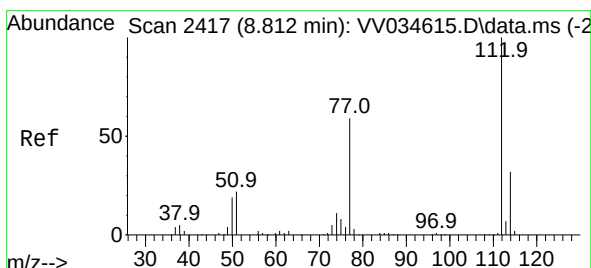
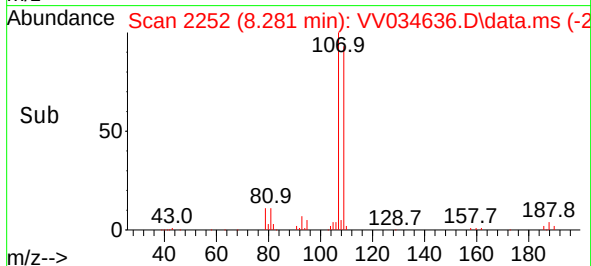
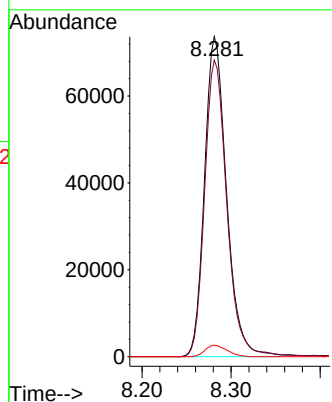


#50
1,2-Dibromoethane
Concen: 54.147 ug/L
RT: 8.281 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

Instrument :
MSVOA_V
ClientSampleId :

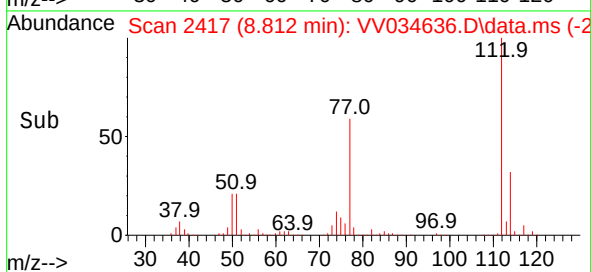
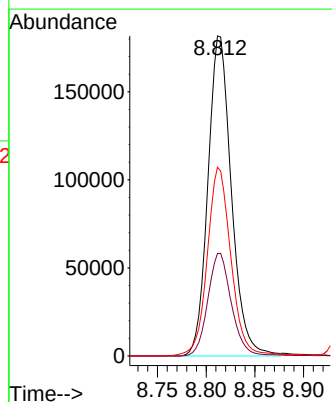
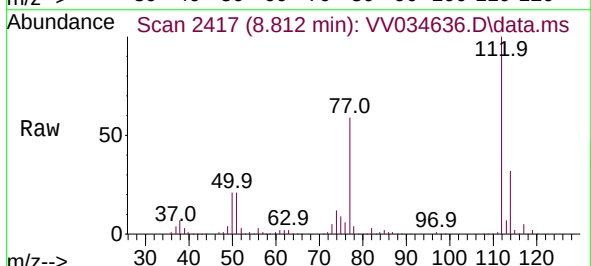


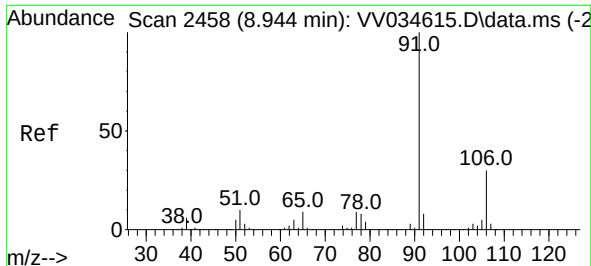
Tgt Ion:107 Resp: 126432
Ion Ratio Lower Upper
107 100
109 92.7 66.5 123.5
188 3.6 3.4 5.2



#51
Chlorobenzene
Concen: 51.141 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

Tgt Ion:112 Resp: 304794
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 59.0 47.7 71.5





#52

Ethylbenzene

Concen: 51.319 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

Instrument :

MSVOA_V

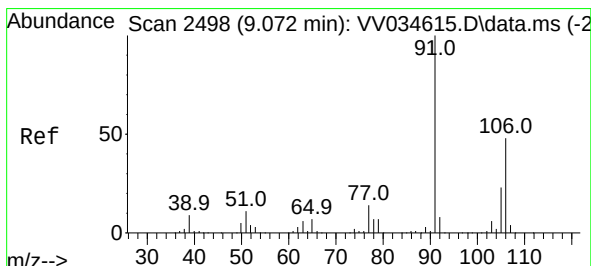
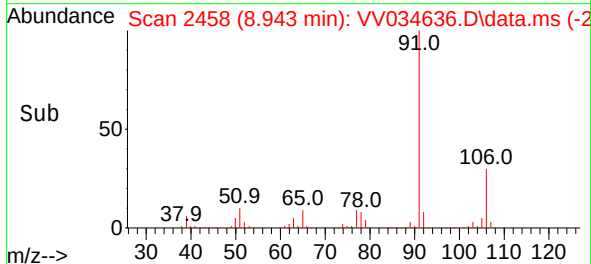
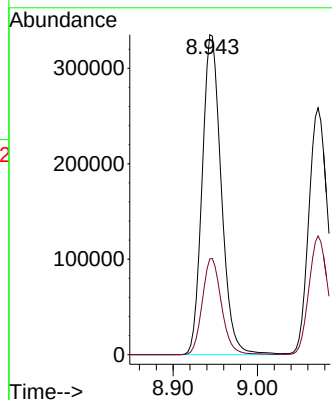
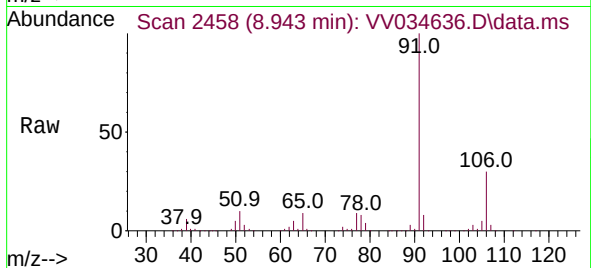
ClientSampleId :

Tgt Ion: 91 Resp: 530112

Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.5



#53

m,p-Xylene

Concen: 51.379 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. -0.000 min

Lab File: VV034636.D

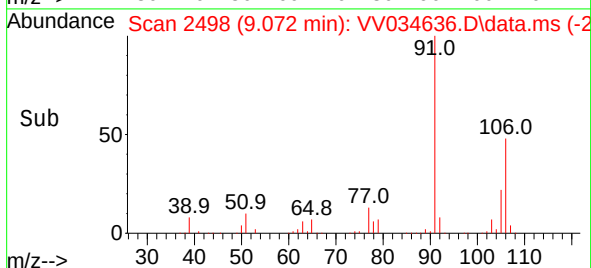
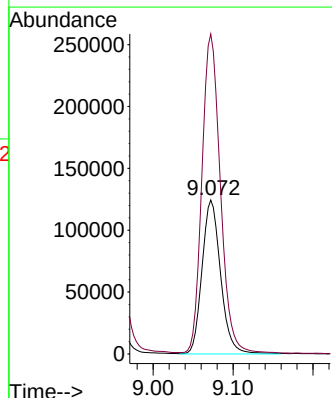
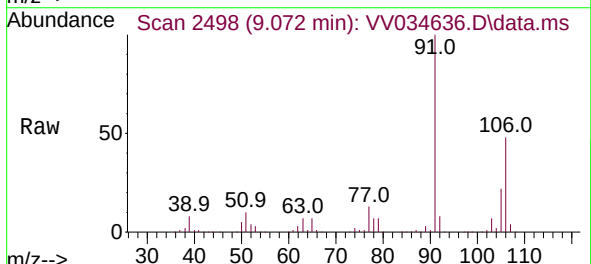
Acq: 15 Mar 2024 04:37

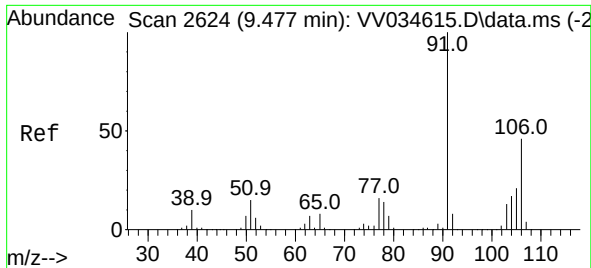
Tgt Ion:106 Resp: 201399

Ion Ratio Lower Upper

106 100

91 207.9 145.3 269.9

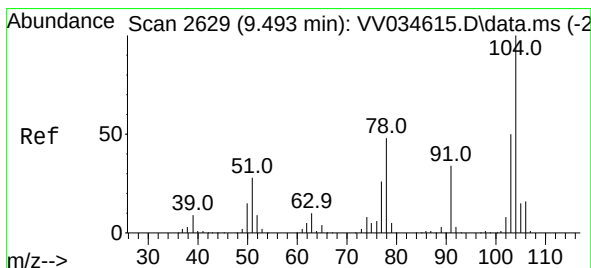
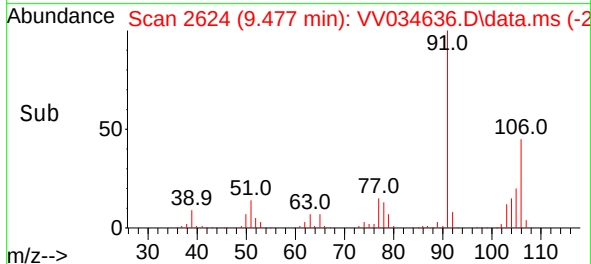
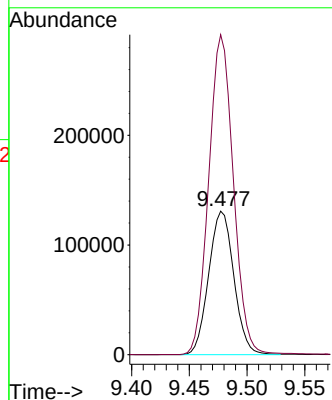
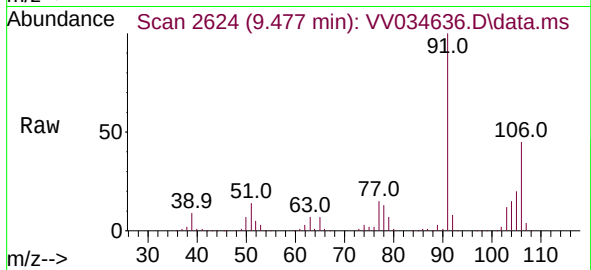




#54
o-Xylene
Concen: 51.739 ug/L
RT: 9.477 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

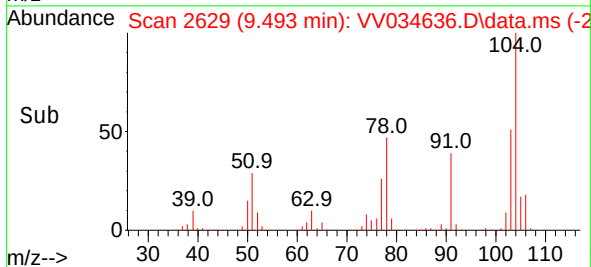
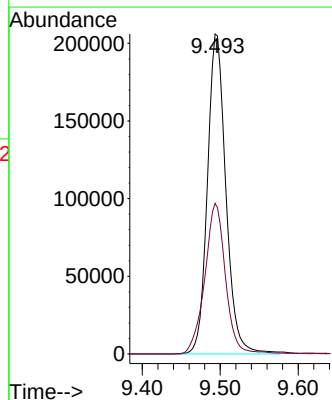
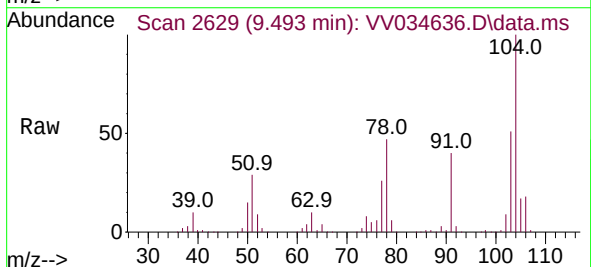
Instrument :
MSVOA_V
ClientSampleId :

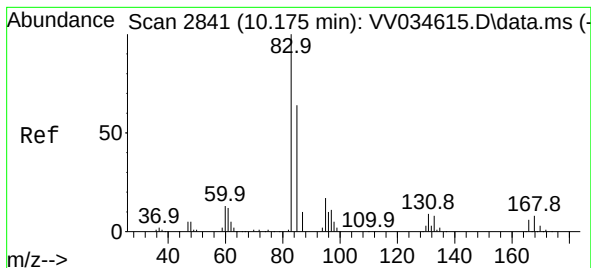
Tgt Ion:106 Resp: 198594
Ion Ratio Lower Upper
106 100
91 223.1 152.2 282.7



#55
Styrene
Concen: 52.255 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

Tgt Ion:104 Resp: 339600
Ion Ratio Lower Upper
104 100
78 47.1 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 57.046 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

Instrument :

MSVOA_V

ClientSampleId :

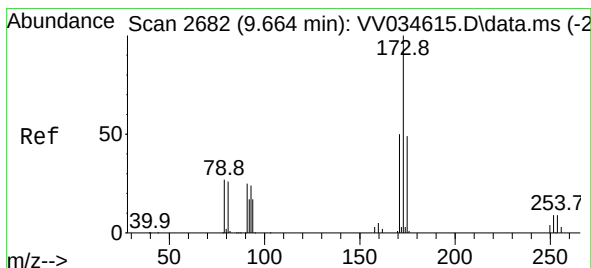
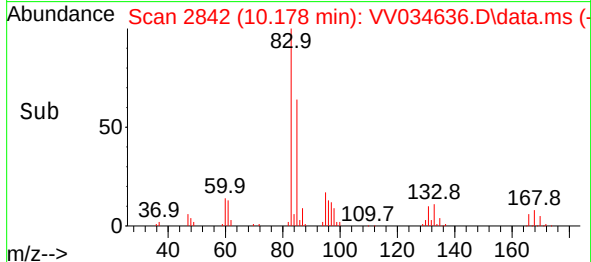
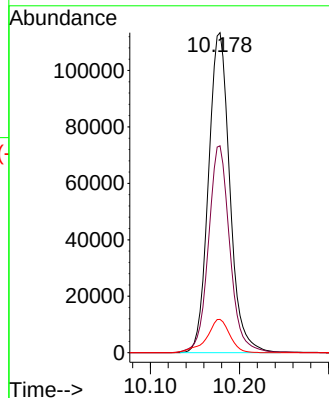
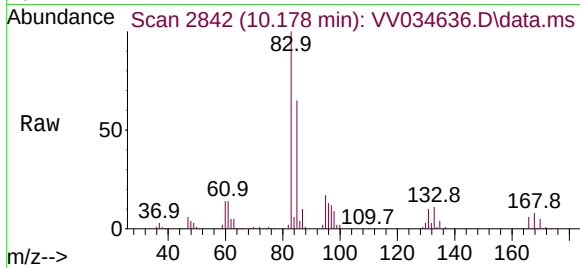
Tgt Ion: 83 Resp: 188533

Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.2

131 10.4 8.3 12.5



#59

Bromoform

Concen: 51.712 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

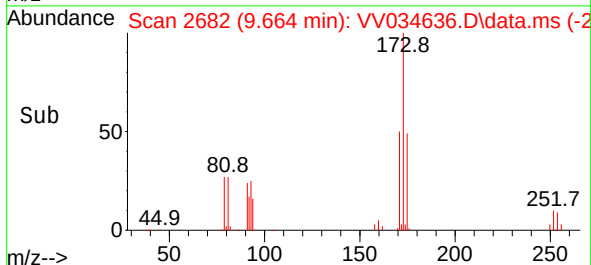
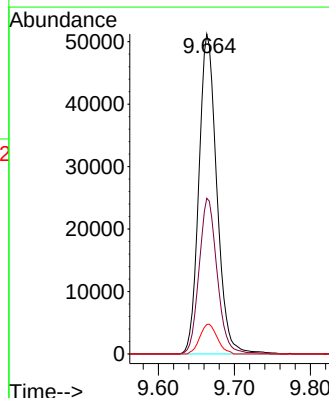
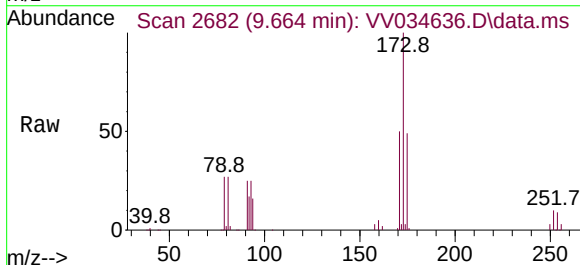
Tgt Ion: 173 Resp: 83921

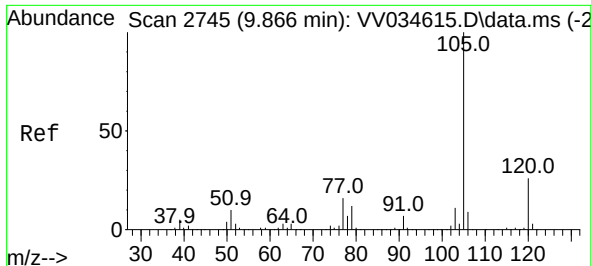
Ion Ratio Lower Upper

173 100

175 48.7 39.1 58.7

254 9.1 7.8 11.8





#60

Isopropylbenzene

Concen: 51.924 ug/L

RT: 9.866 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

Instrument :

MSVOA_V

ClientSampleId :

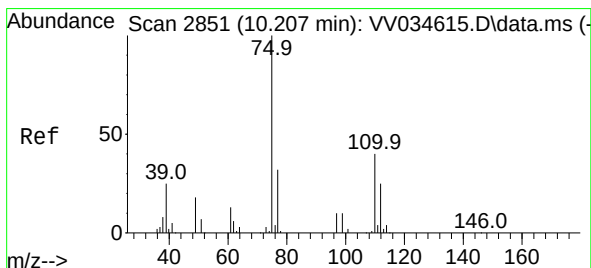
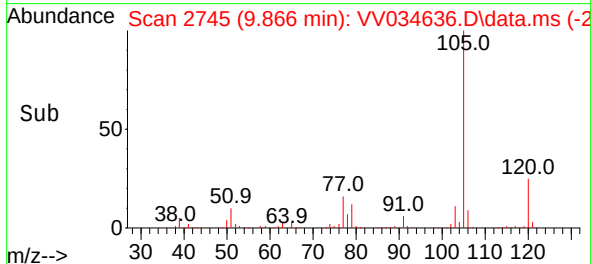
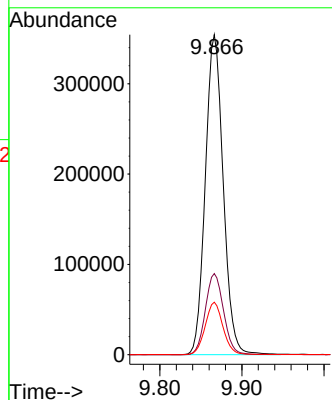
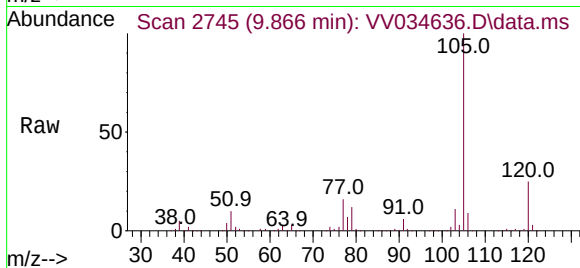
Tgt Ion:105 Resp: 537535

Ion Ratio Lower Upper

105 100

120 25.7 20.8 31.2

77 16.3 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 55.725 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

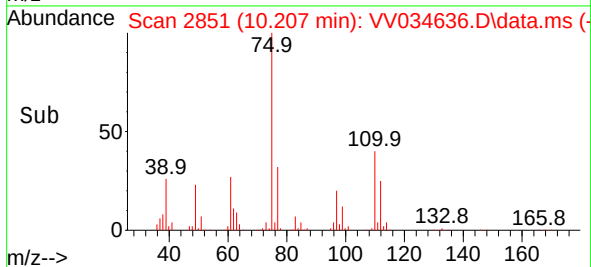
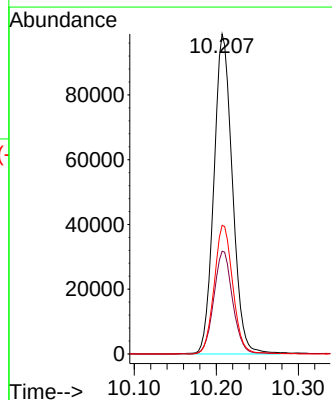
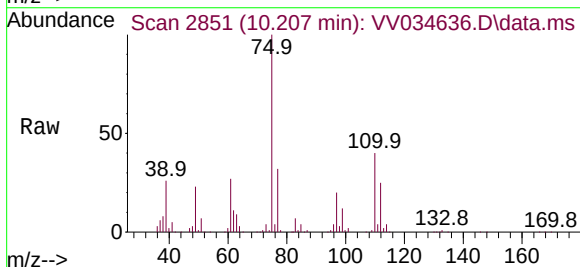
Tgt Ion: 75 Resp: 155703

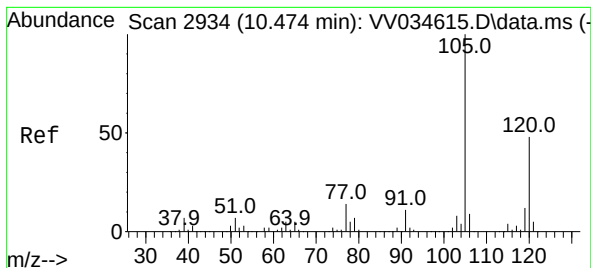
Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9

110 40.4 33.1 49.7





#62

1,3,5-Trimethylbenzene

Concen: 50.789 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

Instrument :

MSVOA_V

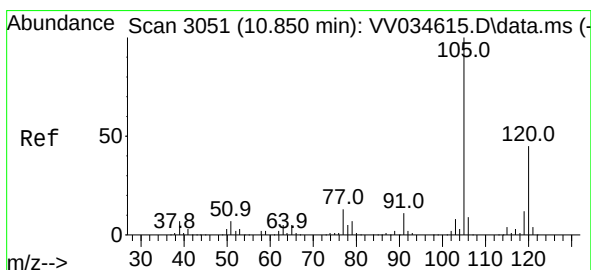
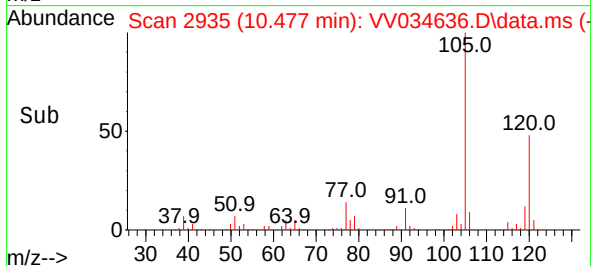
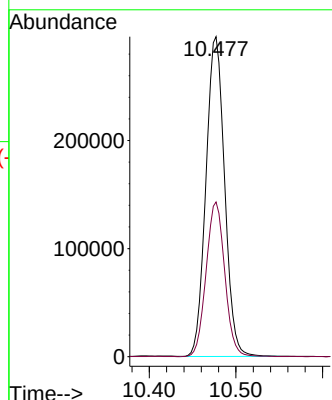
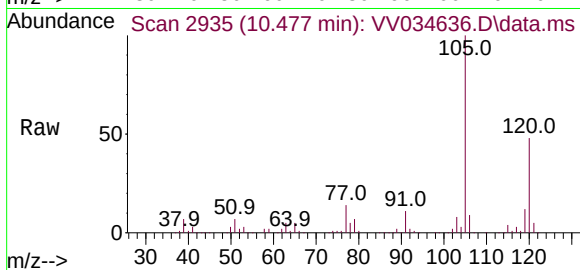
ClientSampleId :

Tgt Ion:105 Resp: 443523

Ion Ratio Lower Upper

105 100

120 48.4 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 51.787 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV034636.D

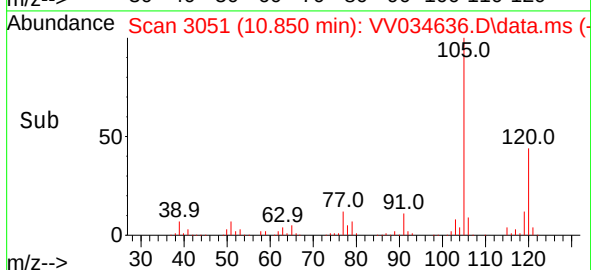
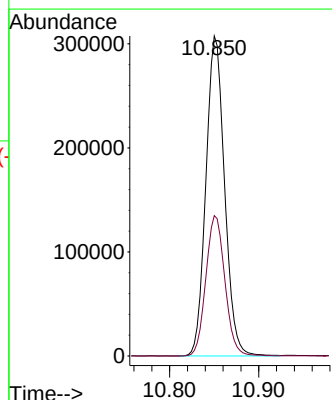
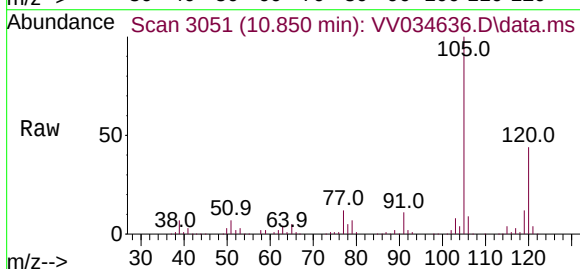
Acq: 15 Mar 2024 04:37

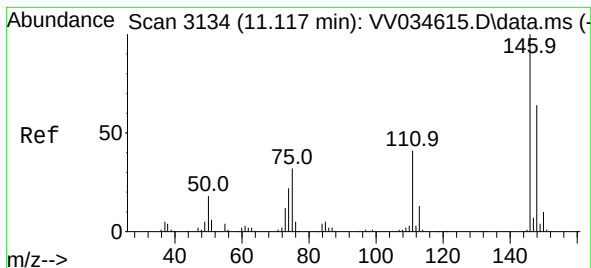
Tgt Ion:105 Resp: 447282

Ion Ratio Lower Upper

105 100

120 44.7 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 50.401 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

Instrument :

MSVOA_V

ClientSampleId :

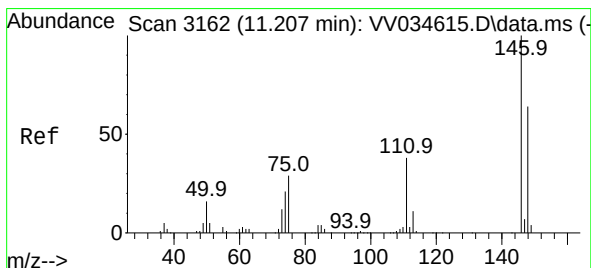
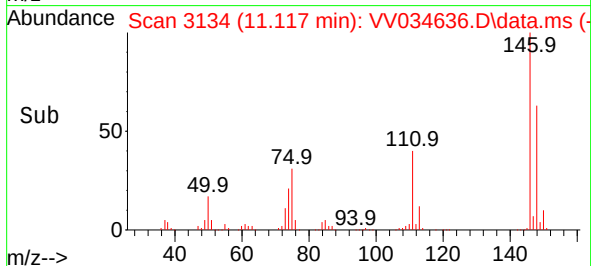
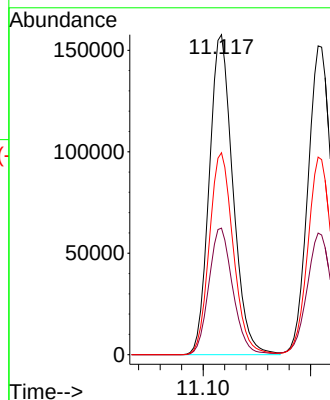
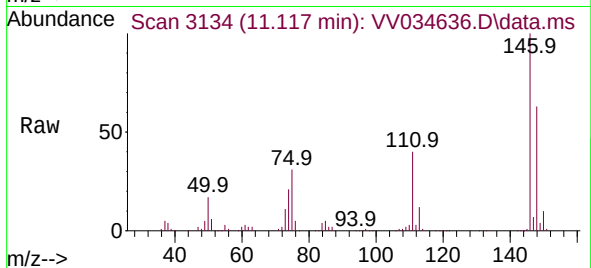
Tgt Ion:146 Resp: 241247

Ion Ratio Lower Upper

146 100

111 39.5 27.9 51.7

148 63.1 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 49.121 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

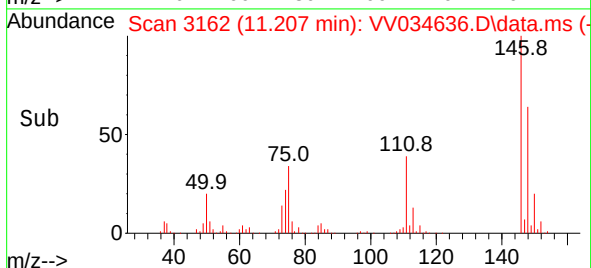
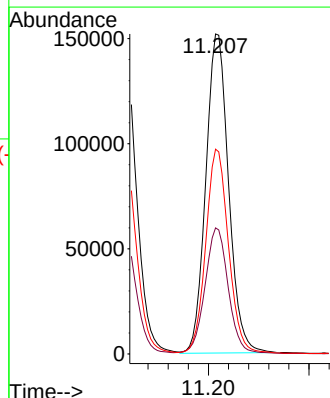
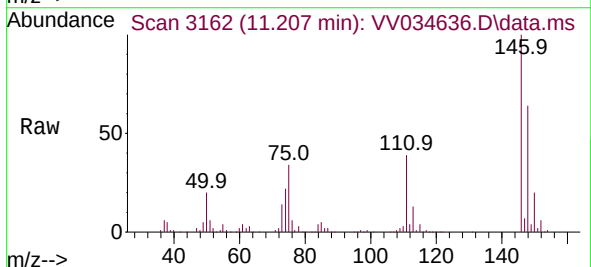
Tgt Ion:146 Resp: 238763

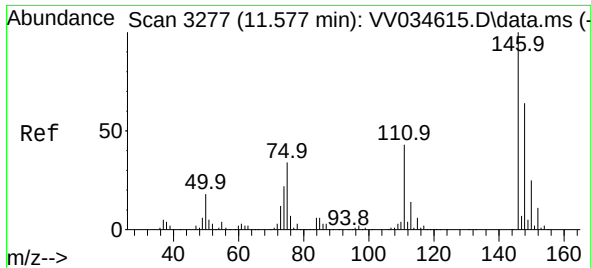
Ion Ratio Lower Upper

146 100

111 39.4 26.5 49.1

148 64.0 44.0 81.8

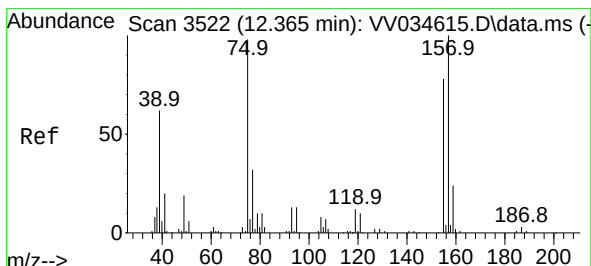
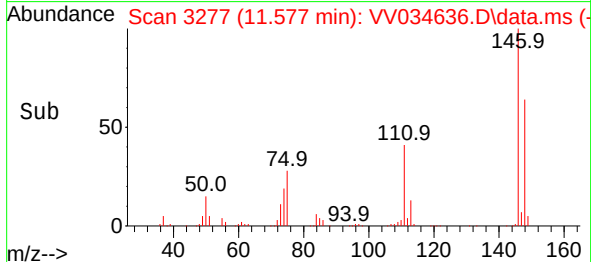
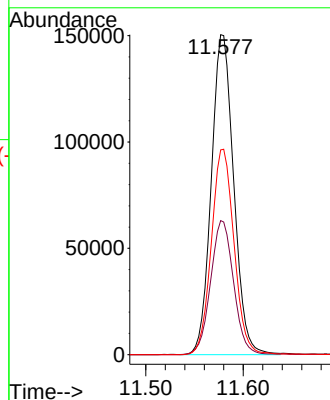
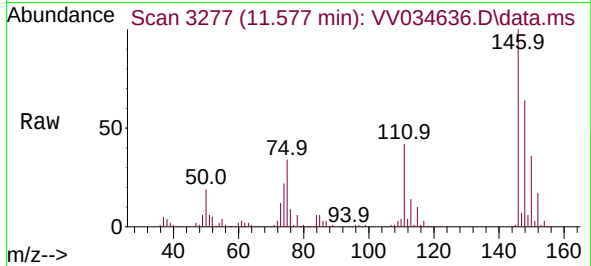




#67
1,2-Dichlorobenzene
Concen: 50.217 ug/L
RT: 11.577 min Scan# 3277
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

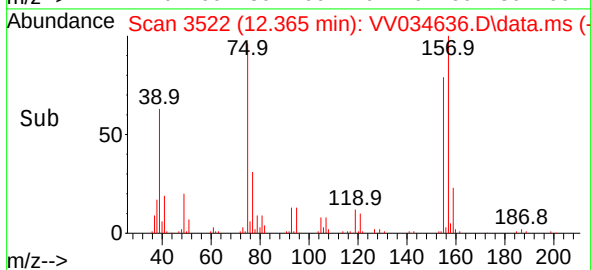
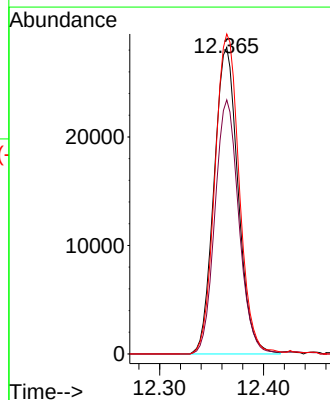
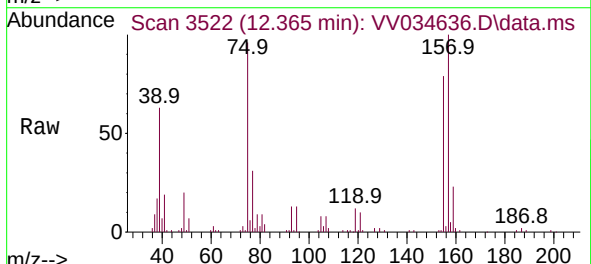
Instrument :
MSVOA_V
ClientSampleId :

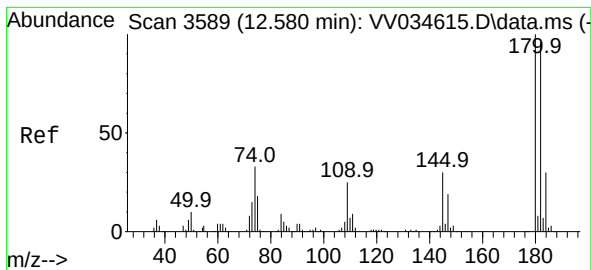
Tgt Ion:146 Resp: 240853
Ion Ratio Lower Upper
146 100
111 41.9 33.8 50.8
148 64.0 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 54.763 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. -0.000 min
Lab File: VV034636.D
Acq: 15 Mar 2024 04:37

Tgt Ion: 75 Resp: 45581
Ion Ratio Lower Upper
75 100
155 82.9 63.3 94.9
157 104.4 81.4 122.0





#69

1,3,5-Trichlorobenzene

Concen: 47.275 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.003 min

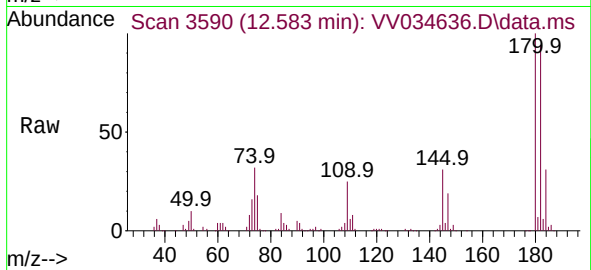
Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 169754

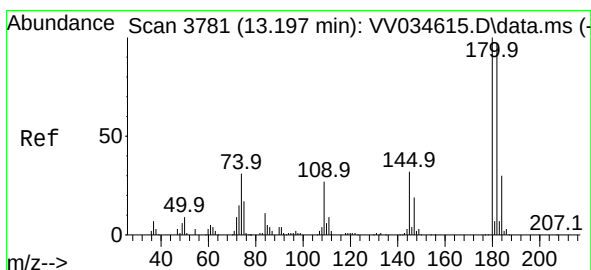
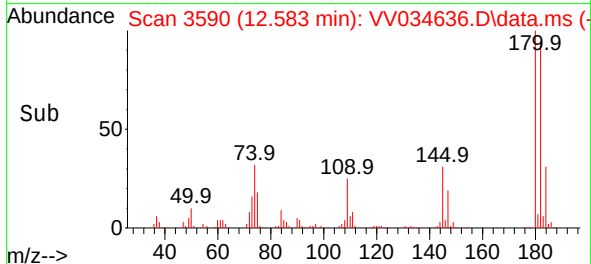
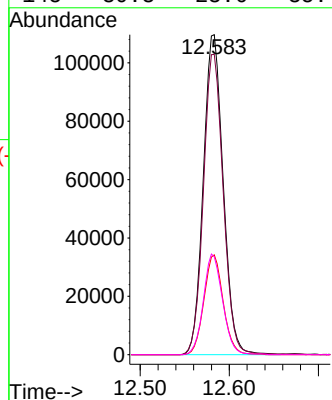
Ion Ratio Lower Upper

180 100

182 93.7 74.6 112.0

184 30.2 23.6 35.4

145 30.3 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 48.083 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

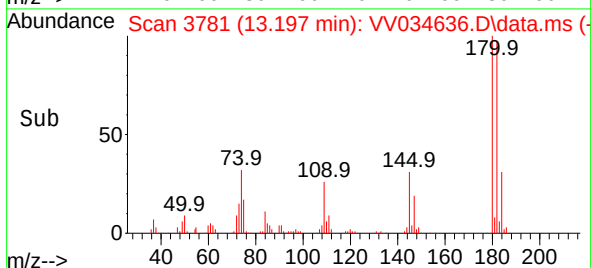
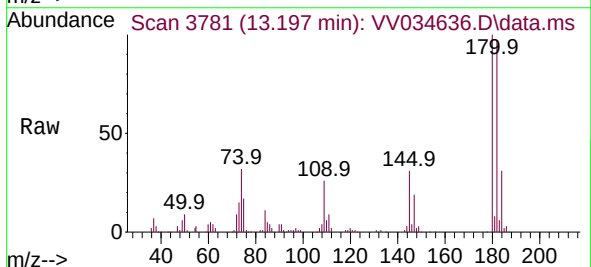
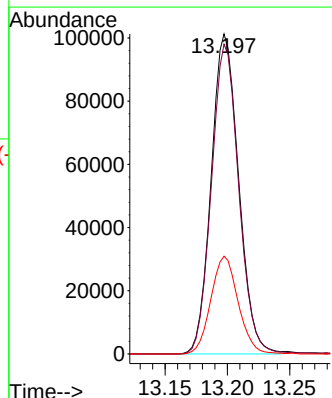
Tgt Ion:180 Resp: 155358

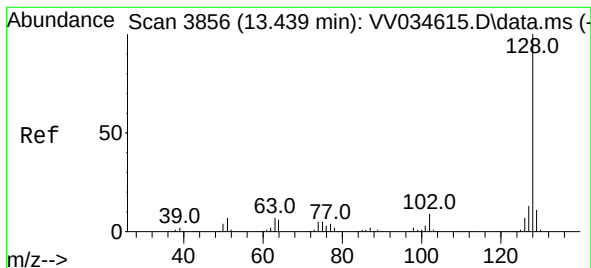
Ion Ratio Lower Upper

180 100

182 96.2 74.8 112.2

145 30.4 24.2 36.4





#71

Naphthalene

Concen: 55.788 ug/L

RT: 13.438 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

Instrument :

MSVOA_V

ClientSampleId :

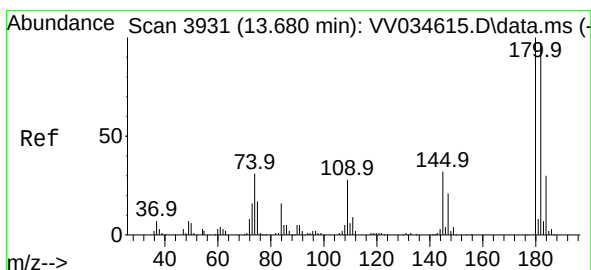
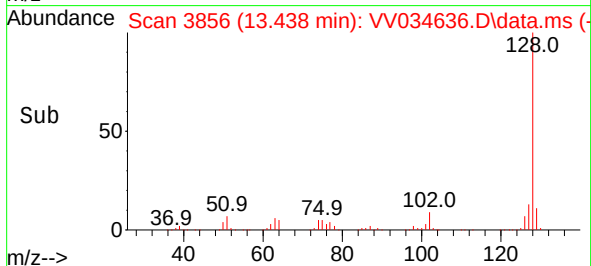
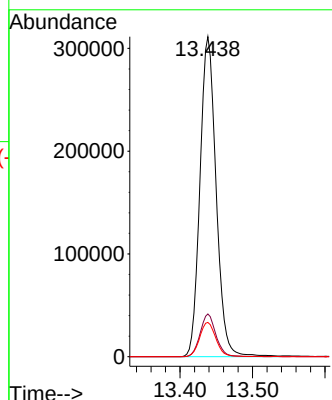
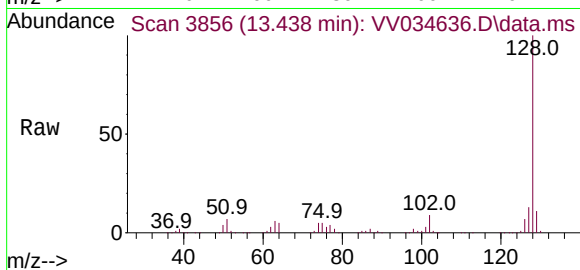
Tgt Ion:128 Resp: 482163

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 51.581 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV034636.D

Acq: 15 Mar 2024 04:37

Tgt Ion:180 Resp: 162584

Ion Ratio Lower Upper

180 100

182 95.8 75.9 113.9

145 32.9 25.5 38.3

