

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111323\
 Data File : VW032954.D
 Acq On : 14 Nov 2023 00:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 14 01:40:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 14 01:11:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	406356	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	408820	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	229127	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	165785	48.238	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.480%
7) Chloroethane-d5	1.532	69	138433	48.615	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.220%
11) 1,1-Dichloroethene-d2	2.060	65	71656	47.853	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.700%
21) 2-Butanone-d5	3.783	46	144309	97.958	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.960%
24) Chloroform-d	4.249	84	302194	50.897	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.800%
26) 1,2-Dichloroethane-d4	4.940	65	184263	51.004	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.000%
32) Benzene-d6	4.960	84	578993	51.927	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.860%
36) 1,2-Dichloropropane-d6	5.989	67	169071	52.166	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.340%
41) Toluene-d8	7.243	98	547407	53.250	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.500%
43) trans-1,3-Dichloroprop...	7.551	79	87669	50.953	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.900%
47) 2-Hexanone-d5	8.024	63	125390	105.604	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.600%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	245915	51.796	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	11.561	152	227763	51.158	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	170713	48.584	ug/L	100
3) Chloromethane	1.214	50	168566	48.551	ug/L	99
5) Vinyl chloride	1.281	62	168896	48.347	ug/L	97
6) Bromomethane	1.484	94	112726	48.677	ug/L	99
8) Chloroethane	1.548	64	107372	48.670	ug/L	97
9) Trichlorofluoromethane	1.716	101	269617	48.608	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	155486	48.389	ug/L	98
12) 1,1-Dichloroethene	2.069	96	141526	49.239	ug/L	94
13) Acetone	2.108	43	125585	63.856	ug/L	100
14) Carbon disulfide	2.243	76	394620	48.212	ug/L	99
15) Methyl Acetate	2.368	43	116206	50.255	ug/L	99
16) Methylene chloride	2.445	84	150525	49.088	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	139994	49.200	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	426482	51.072	ug/L	99
19) 1,1-Dichloroethane	3.111	63	250104	49.201	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	157069	51.258	ug/L	97
22) 2-Butanone	3.863	43	144141	78.686	ug/L	96
23) Bromochloromethane	4.146	128	83804	48.691	ug/L	99
25) Chloroform	4.275	83	279864	49.893	ug/L	99

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 Response via : Initial Calibration

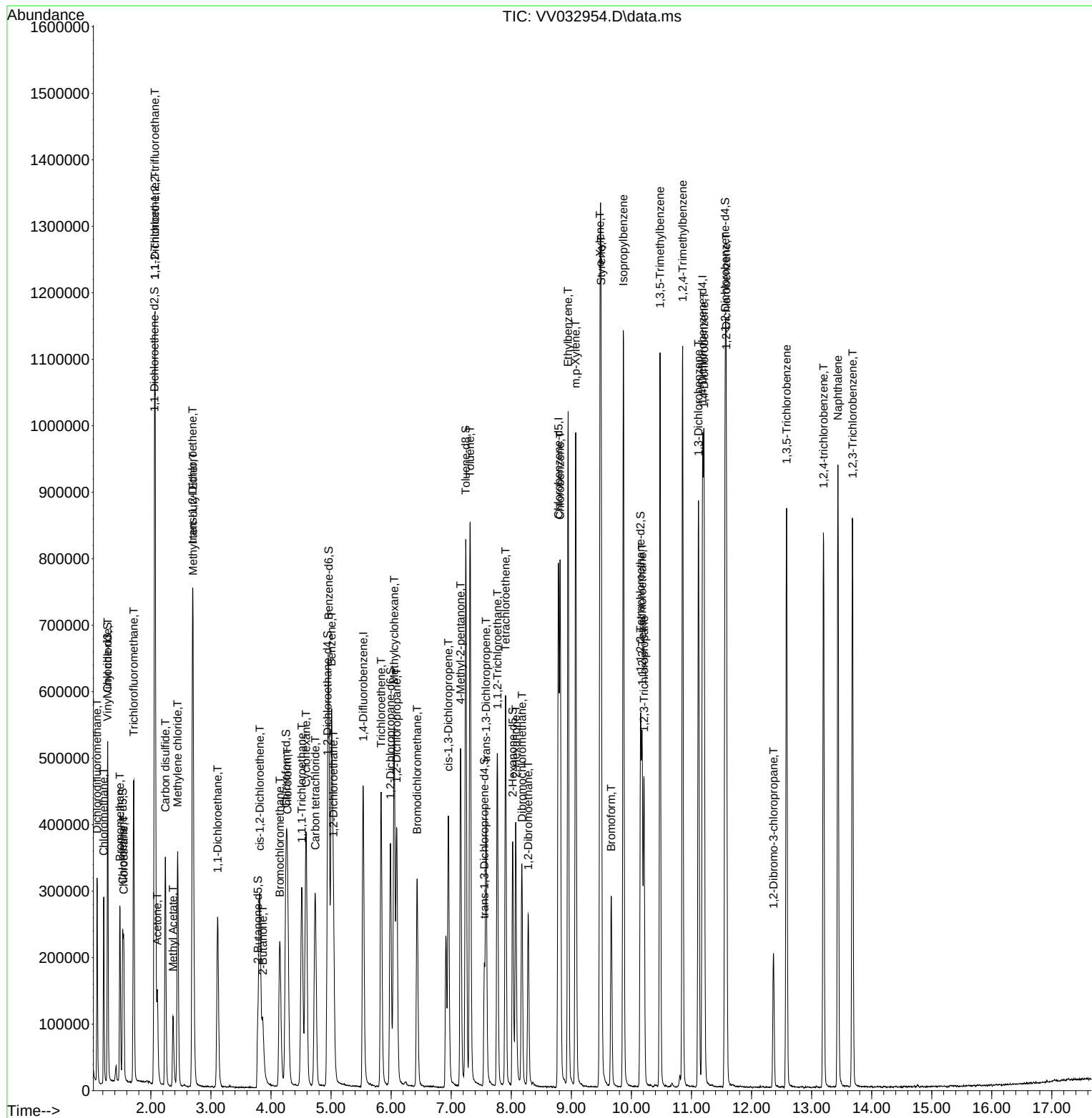
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	208248	49.217	ug/L	100
29) Cyclohexane	4.584	56	203249	51.733	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	250302	49.959	ug/L	100
31) Carbon tetrachloride	4.738	117	223549	49.896	ug/L	98
33) Benzene	5.008	78	564293	50.821	ug/L	100
34) Trichloroethene	5.834	95	151851	50.321	ug/L	98
35) Methylcyclohexane	6.053	83	229989	50.572	ug/L	99
37) 1,2-Dichloropropane	6.092	63	140725	50.750	ug/L	99
38) Bromodichloromethane	6.432	83	204535	49.446	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	235552	51.077	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	316443	107.012	ug/L	100
42) Toluene	7.317	91	632874	52.233	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	225784	50.403	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	156826	50.965	ug/L	99
46) Tetrachloroethene	7.905	164	127035	48.937	ug/L	96
48) 2-Hexanone	8.075	43	235073	91.244	ug/L	100
49) Dibromochloromethane	8.178	129	167008	50.381	ug/L	100
50) 1,2-Dibromoethane	8.281	107	167077	51.012	ug/L	99
51) Chlorobenzene	8.815	112	419468	49.976	ug/L	99
52) Ethylbenzene	8.947	91	698325	52.043	ug/L	99
53) m,p-Xylene	9.072	106	271792	52.679	ug/L	96
54) o-Xylene	9.477	106	261366	52.537	ug/L	99
55) Styrene	9.497	104	464842	52.974	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	237737	50.220	ug/L	99
59) Bromoform	9.664	173	124472	51.065	ug/L	100
60) Isopropylbenzene	9.866	105	718767	52.992	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	172145	51.326	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	551834	53.632	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	585363	54.409	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	356451	50.387	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	370886	48.884	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	354799	49.874	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	45006	48.015	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	259422	48.878	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	242057	50.770	ug/L	99
71) Naphthalene	13.439	128	704837	56.256	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	250198	52.143	ug/L	99

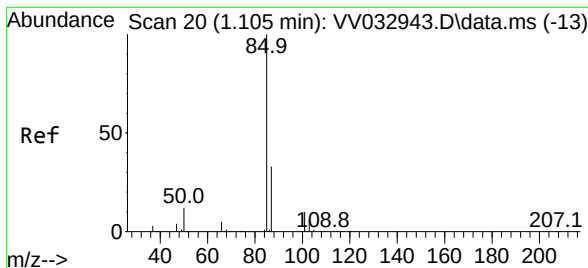
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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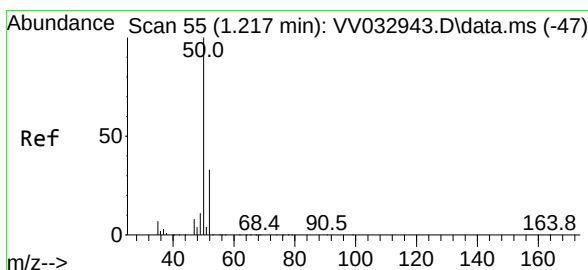
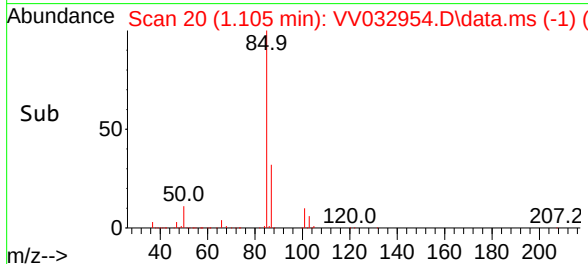
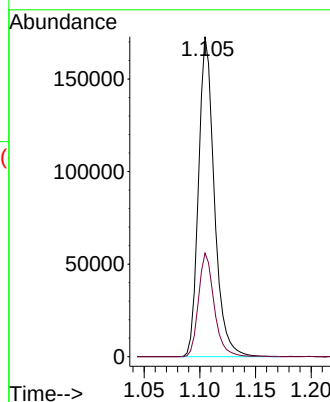
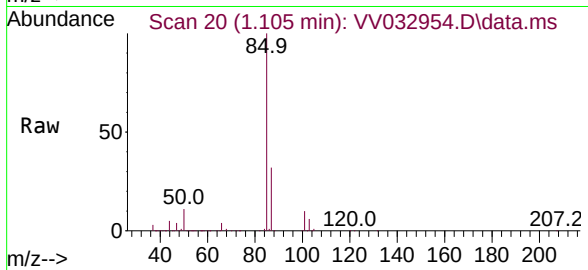




#2
 Dichlorodifluoromethane
 Concen: 48.584 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032954.D
 Acq: 14 Nov 2023 00:45

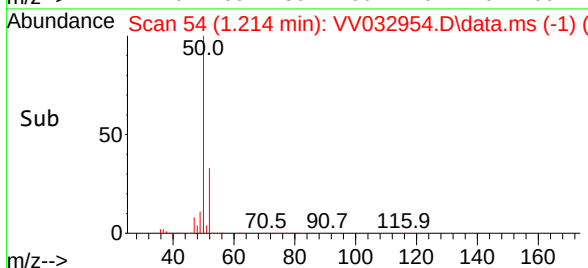
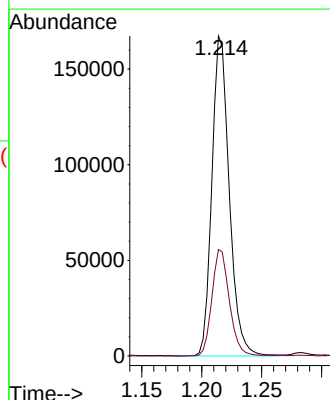
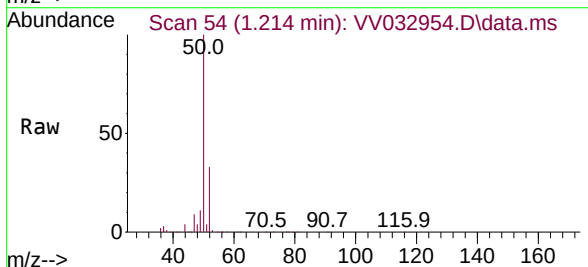
Instrument :
 MSVOA_V
 ClientSampleId :

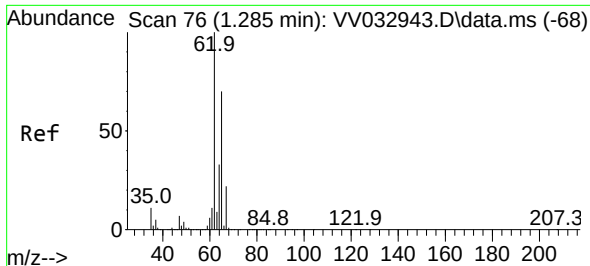
Tgt Ion: 85 Resp: 170713
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.8 38.8



#3
 Chloromethane
 Concen: 48.551 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV032954.D
 Acq: 14 Nov 2023 00:45

Tgt Ion: 50 Resp: 168566
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.6 43.8

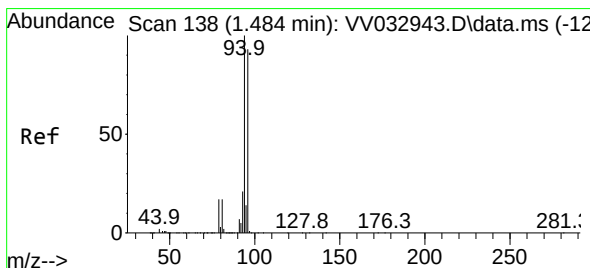
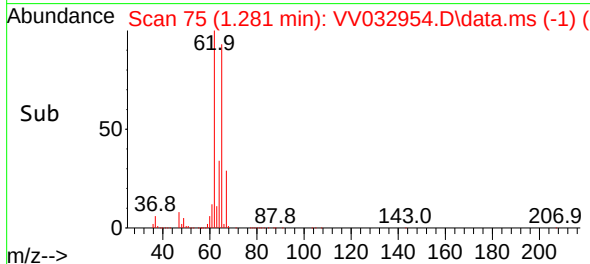
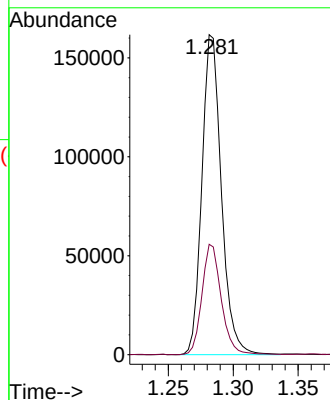
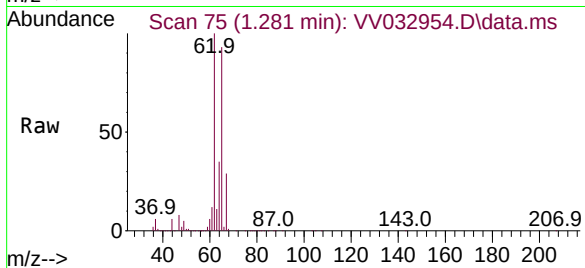




#5
 Vinyl chloride
 Concen: 48.347 ug/L
 RT: 1.281 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV032954.D
 Acq: 14 Nov 2023 00:45

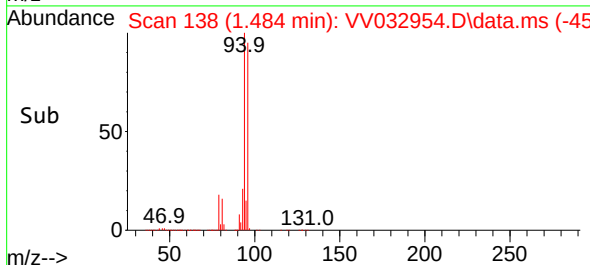
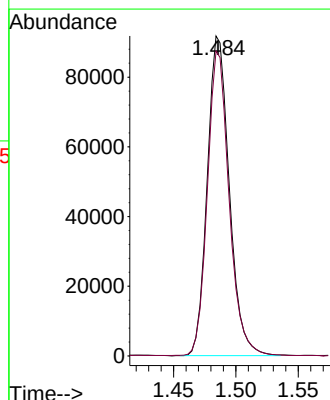
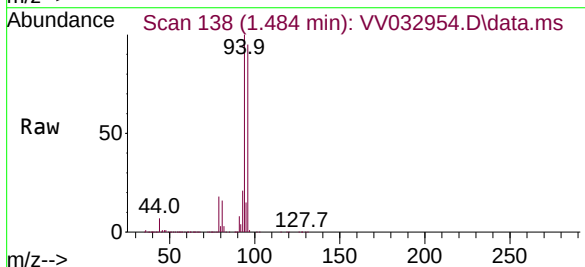
Instrument :
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 ClientSampleId :

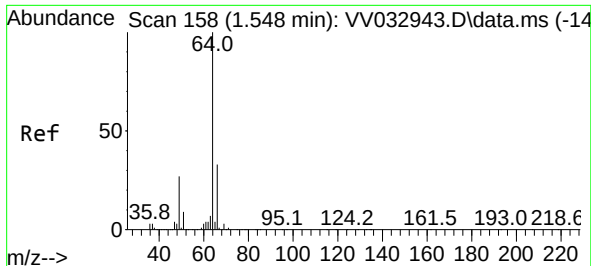
Tgt Ion: 62 Resp: 168896
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.1 42.9



#6
 Bromomethane
 Concen: 48.677 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV032954.D
 Acq: 14 Nov 2023 00:45

Tgt Ion: 94 Resp: 112726
 Ion Ratio Lower Upper
 94 100
 96 95.2 66.0 122.6

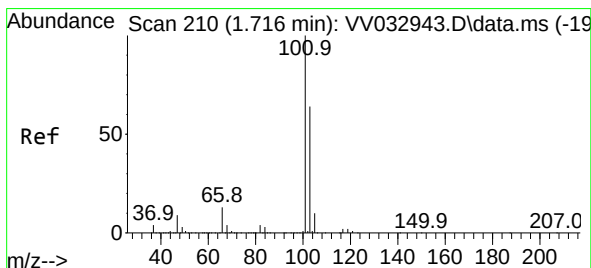
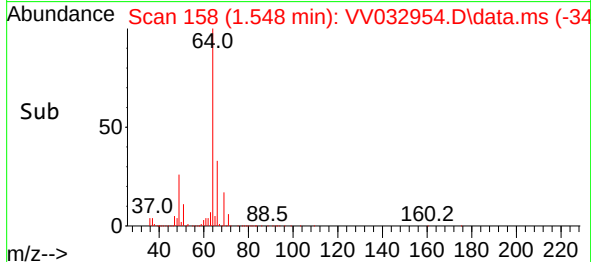
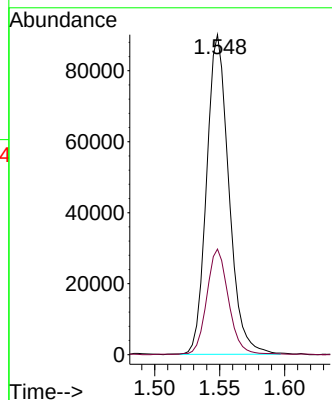
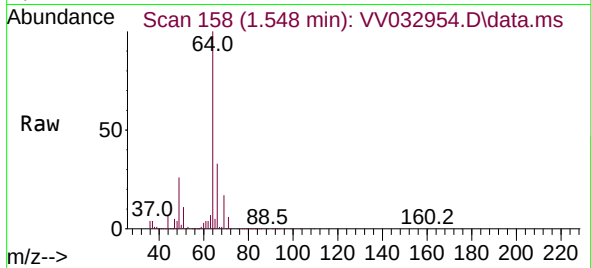




#8
Chloroethane
Concen: 48.670 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

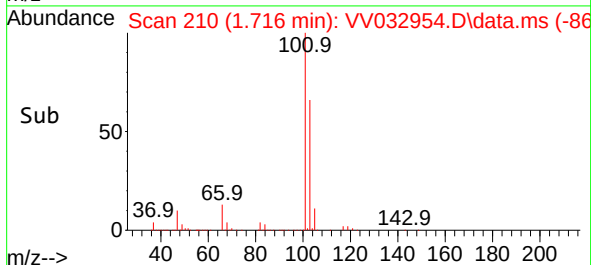
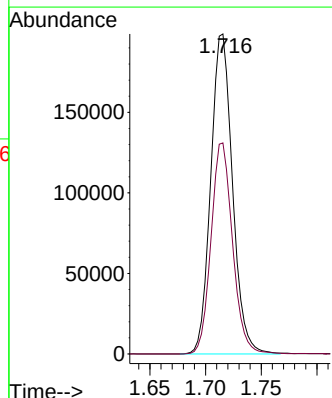
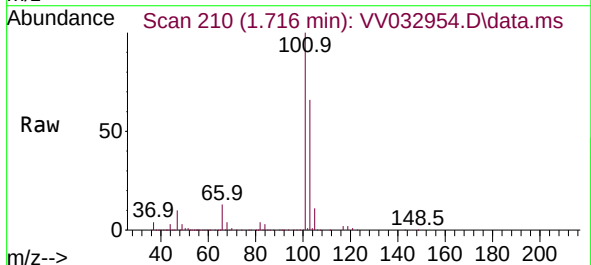
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MSVOA_V
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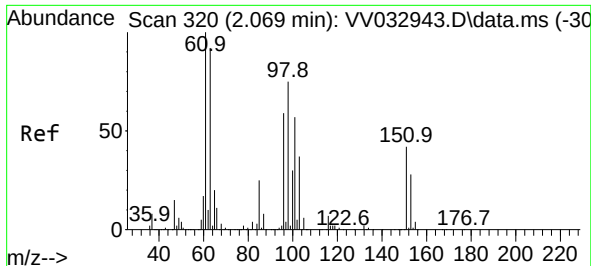
Tgt Ion: 64 Resp: 107372
Ion Ratio Lower Upper
64 100
66 33.0 22.0 40.8



#9
Trichlorofluoromethane
Concen: 48.608 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

Tgt Ion:101 Resp: 269617
Ion Ratio Lower Upper
101 100
103 65.3 51.2 76.8





#10

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

Concen: 48.389 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

Instrument :

MSVOA_V

ClientSampleId :

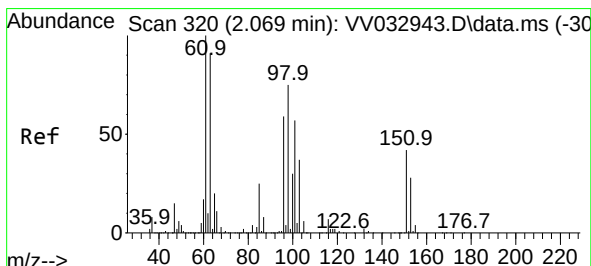
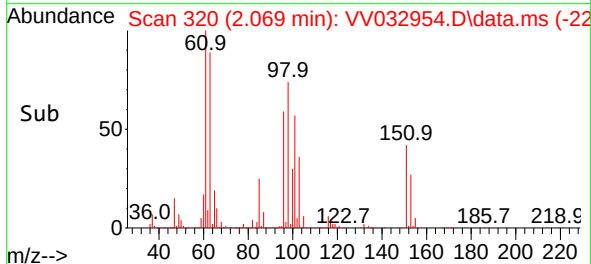
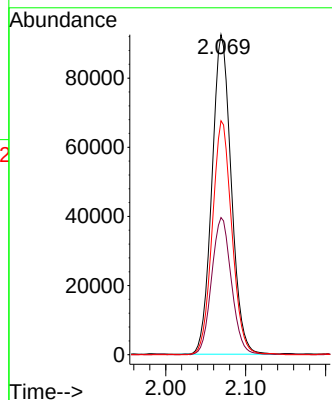
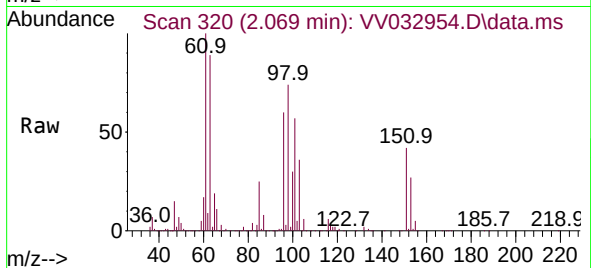
Tgt Ion:101 Resp: 155486

Ion Ratio Lower Upper

101 100

85 43.9 35.9 53.9

151 73.9 60.6 91.0



#12

1,1-Dichloroethene

Concen: 49.239 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

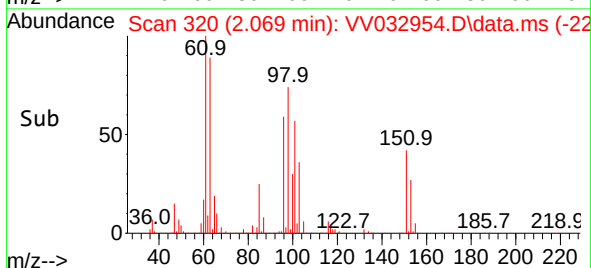
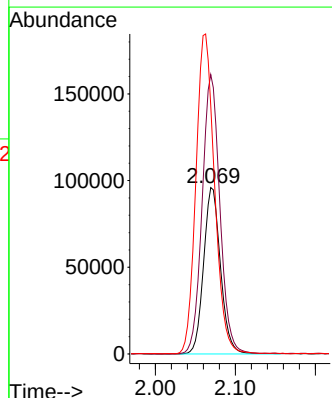
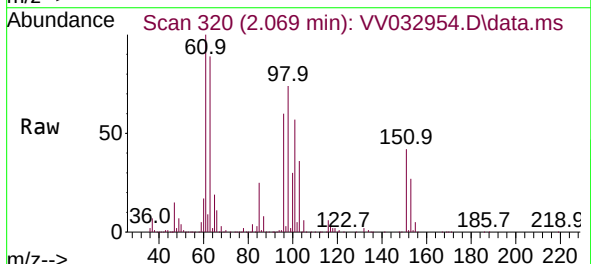
Tgt Ion: 96 Resp: 141526

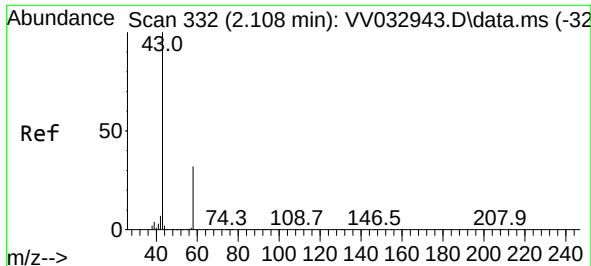
Ion Ratio Lower Upper

96 100

61 167.9 119.6 222.0

63 149.2 95.1 176.7

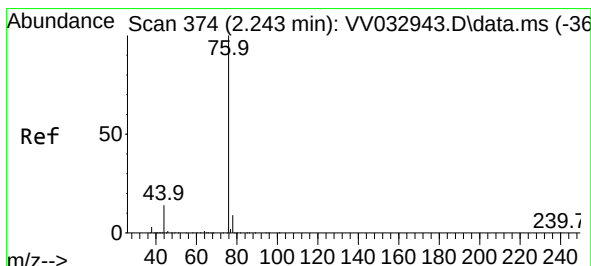
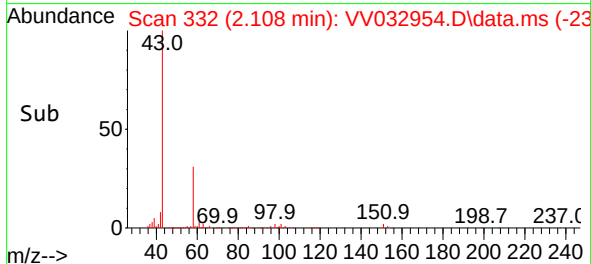
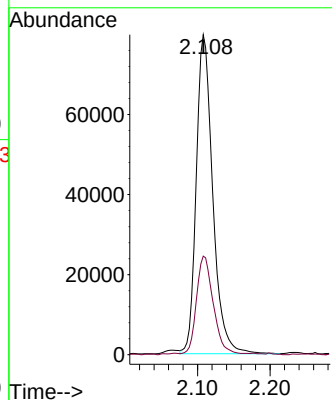
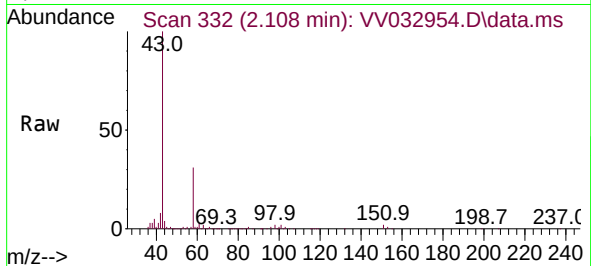




#13
Acetone
Concen: 63.856 ug/L
RT: 2.108 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

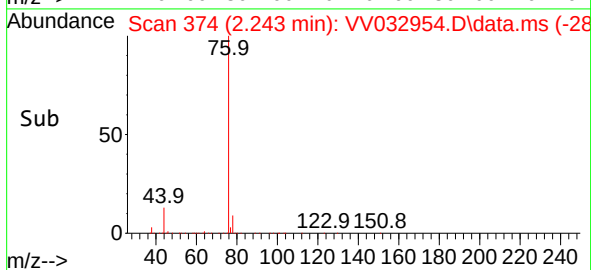
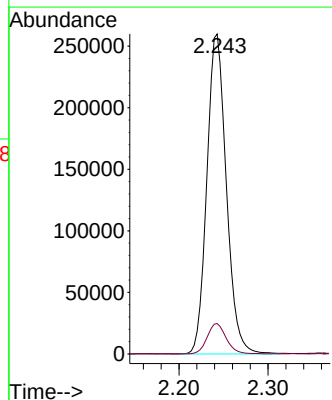
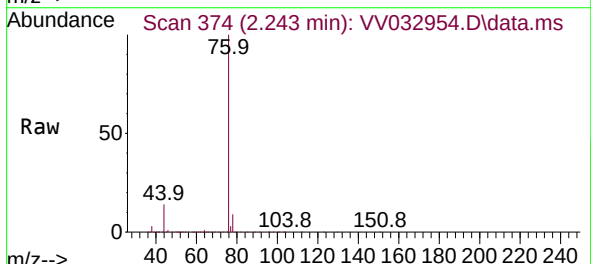
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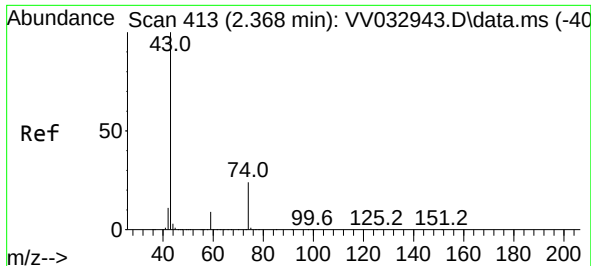
Tgt Ion: 43 Resp: 125585
Ion Ratio Lower Upper
43 100
58 31.7 0.0 62.8



#14
Carbon disulfide
Concen: 48.212 ug/L
RT: 2.243 min Scan# 374
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 394620
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8

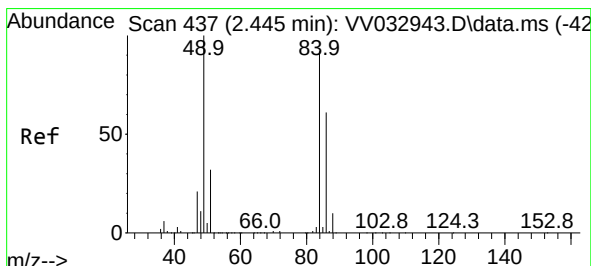
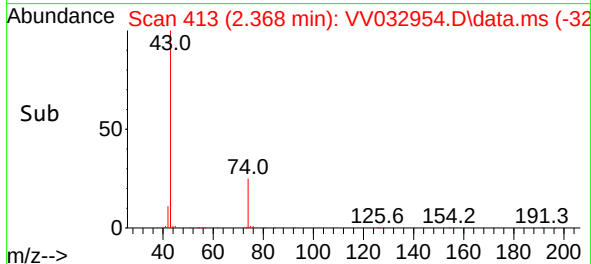
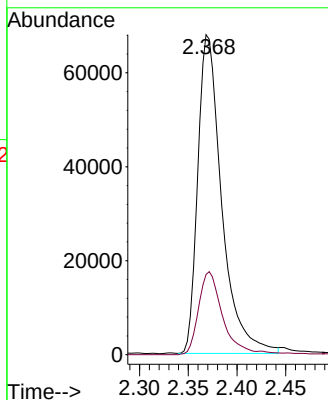
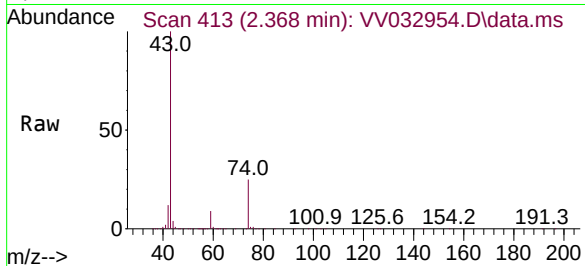




#15
Methyl Acetate
Concen: 50.255 ug/L
RT: 2.368 min Scan# 413
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

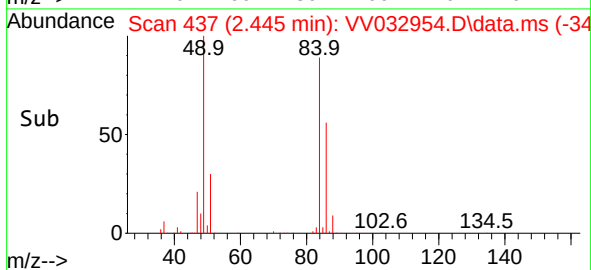
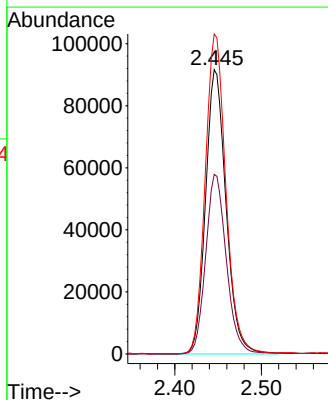
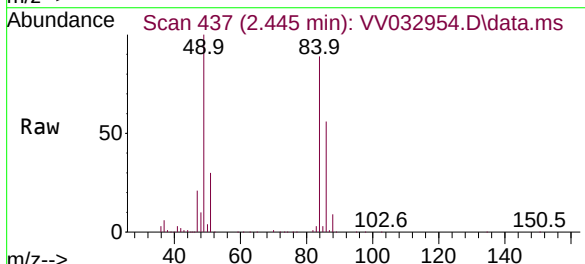
Instrument :
MSVOA_V
ClientSampleId :

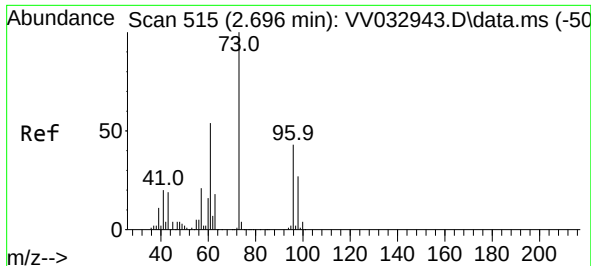
Tgt Ion: 43 Resp: 116206
Ion Ratio Lower Upper
43 100
74 25.7 20.8 31.2



#16
Methylene chloride
Concen: 49.088 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

Tgt Ion: 84 Resp: 150525
Ion Ratio Lower Upper
84 100
86 63.1 45.3 84.1
49 112.6 80.6 149.6

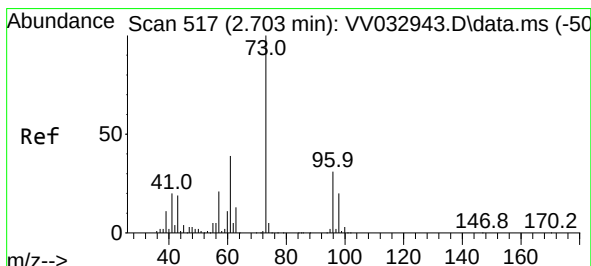
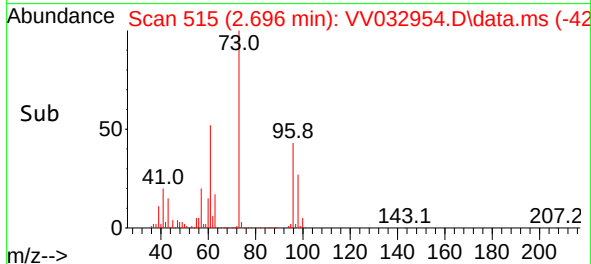
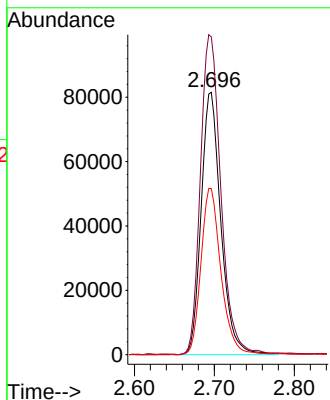
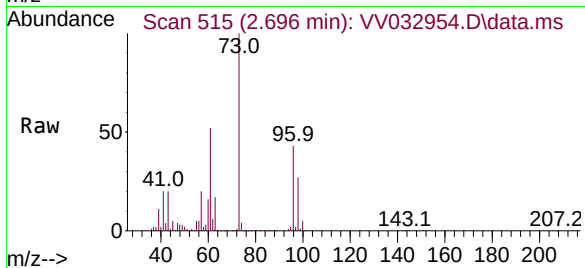




#17
trans-1,2-Dichloroethene
Concen: 49.200 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

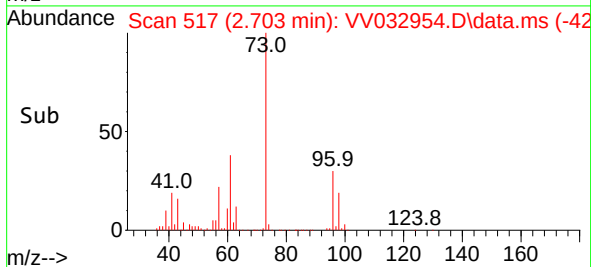
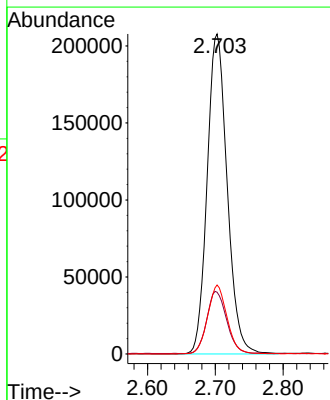
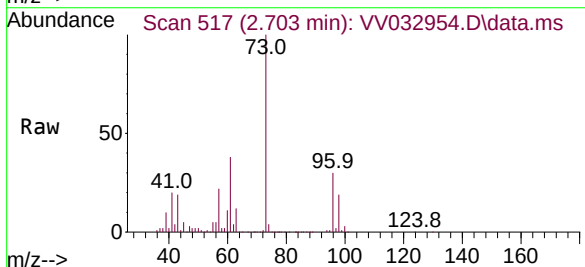
Instrument :
MSVOA_V
ClientSampleId :

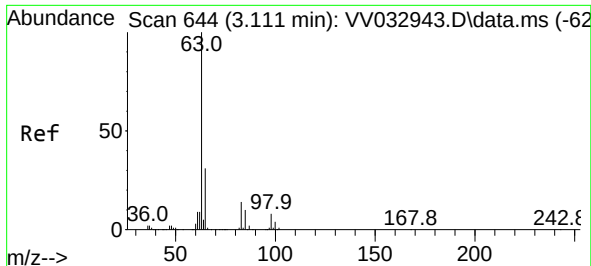
Tgt Ion: 96 Resp: 139994
Ion Ratio Lower Upper
96 100
61 121.1 86.9 161.5
98 63.3 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 51.072 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

Tgt Ion: 73 Resp: 426482
Ion Ratio Lower Upper
73 100
43 19.3 15.7 23.5
57 20.9 17.0 25.4

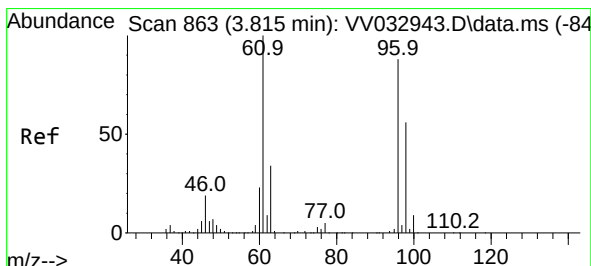
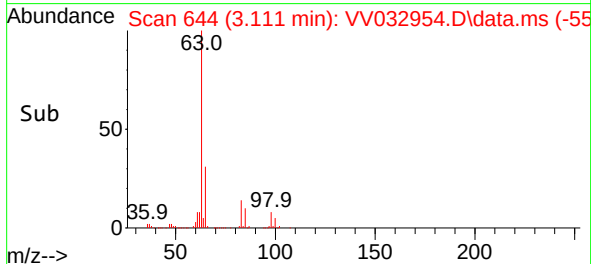
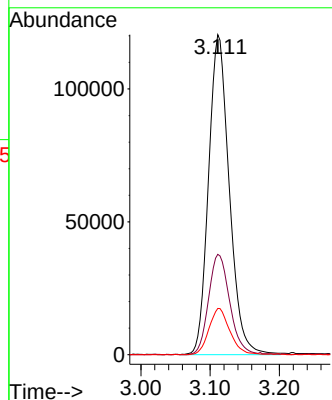
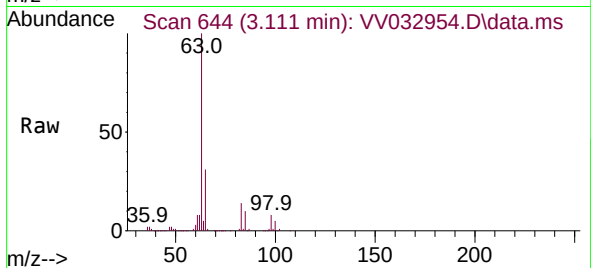




#19
1,1-Dichloroethane
Concen: 49.201 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

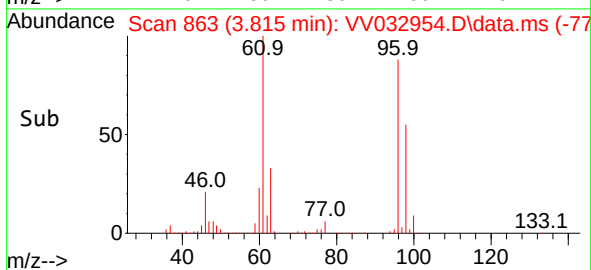
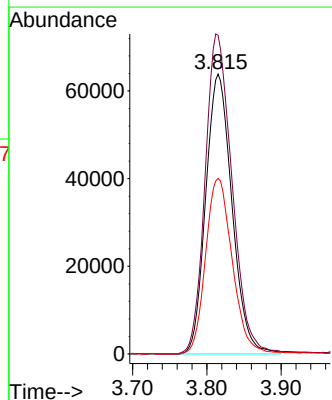
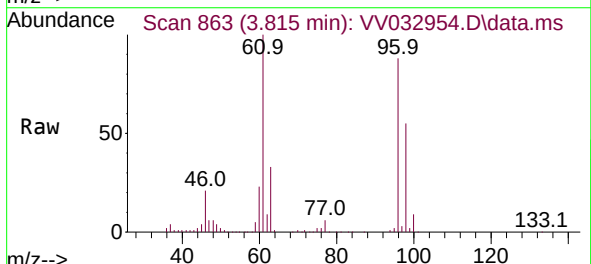
Instrument :
MSVOA_V
ClientSampleId :

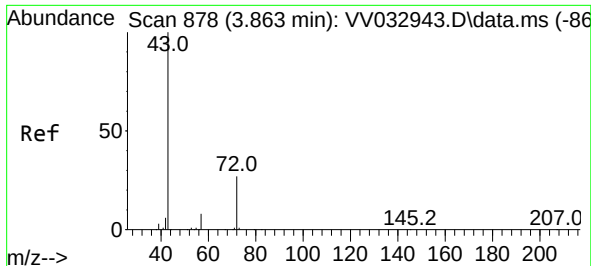
Tgt Ion: 63 Resp: 250104
Ion Ratio Lower Upper
63 100
65 31.3 22.0 41.0
83 14.5 9.7 18.1



#20
cis-1,2-Dichloroethene
Concen: 51.258 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

Tgt Ion: 96 Resp: 157069
Ion Ratio Lower Upper
96 100
61 113.9 83.5 155.1
98 62.7 44.0 81.8

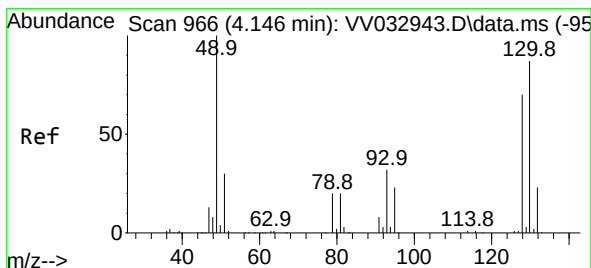
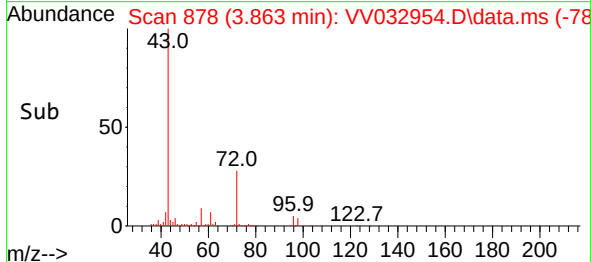
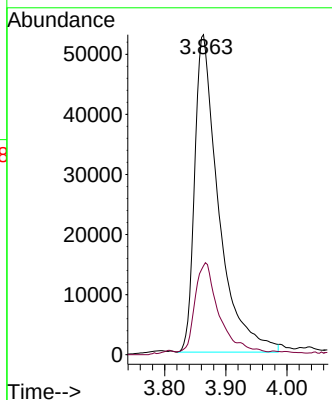
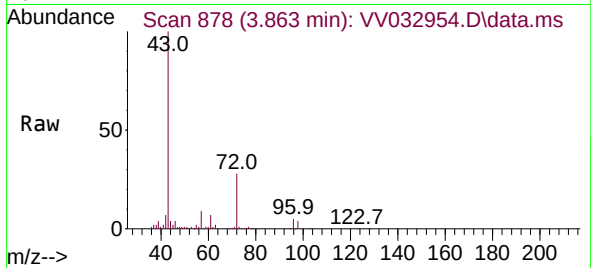




#22
2-Butanone
Concen: 78.686 ug/L
RT: 3.863 min Scan# 878
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

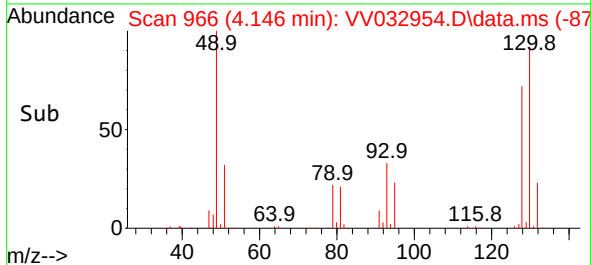
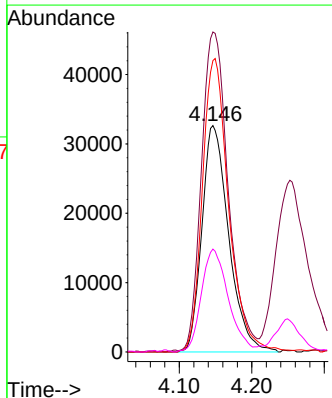
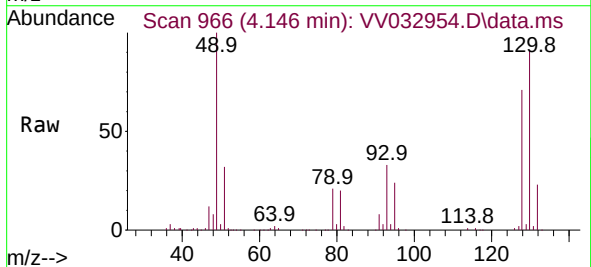
Instrument :
MSVOA_V
ClientSampleId :

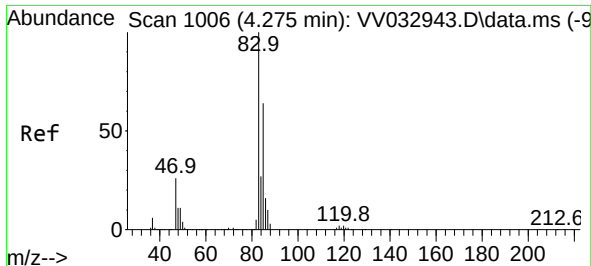
Tgt Ion: 43 Resp: 144141
Ion Ratio Lower Upper
43 100
72 25.6 14.0 41.9



#23
Bromochloromethane
Concen: 48.691 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

Tgt Ion: 128 Resp: 83804
Ion Ratio Lower Upper
128 100
49 141.3 99.7 185.1
130 128.7 88.7 164.7
51 45.4 34.9 52.3

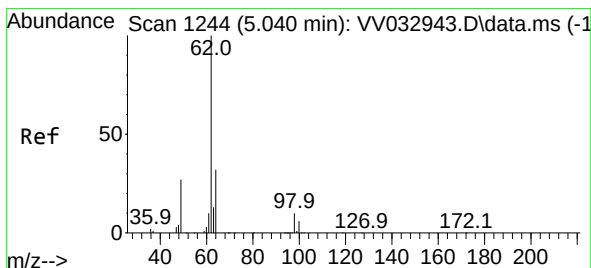
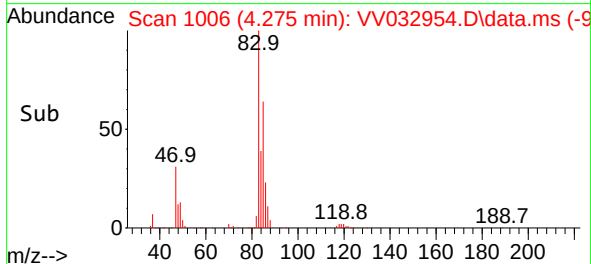
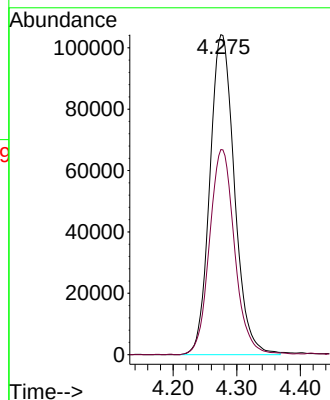
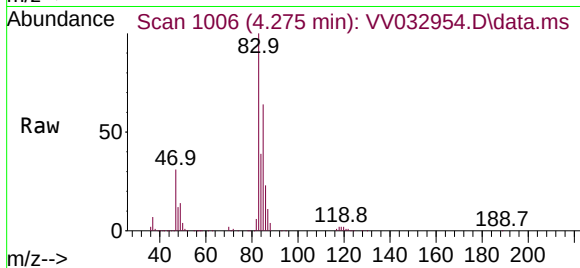




#25
Chloroform
Concen: 49.893 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

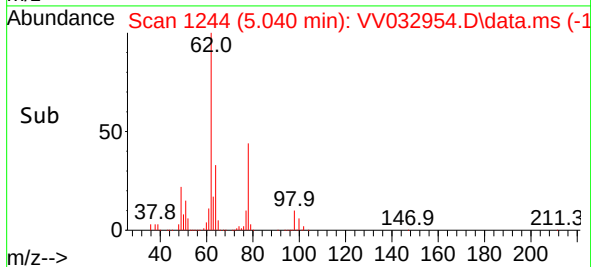
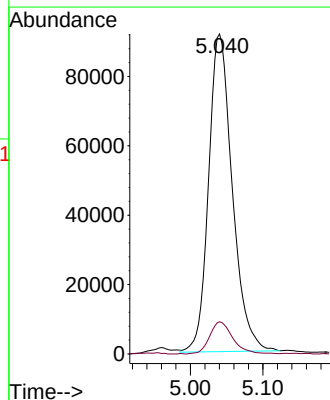
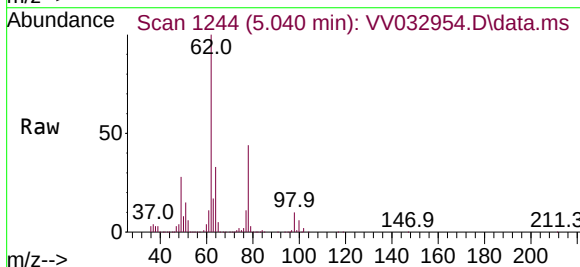
Instrument :
MSVOA_V
ClientSampleId :

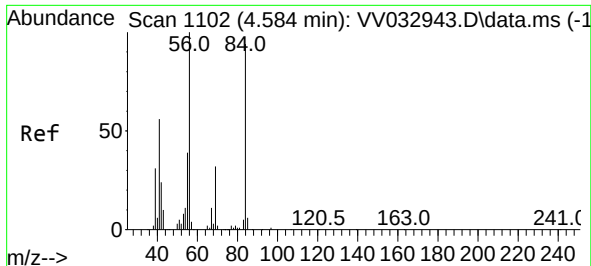
Tgt Ion: 83 Resp: 279864
Ion Ratio Lower Upper
83 100
85 64.1 45.5 84.5



#27
1,2-Dichloroethane
Concen: 49.217 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

Tgt Ion: 62 Resp: 208248
Ion Ratio Lower Upper
62 100
98 10.0 8.0 12.0





#29

Cyclohexane

Concen: 51.733 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

Instrument :

MSVOA_V

ClientSampleId :

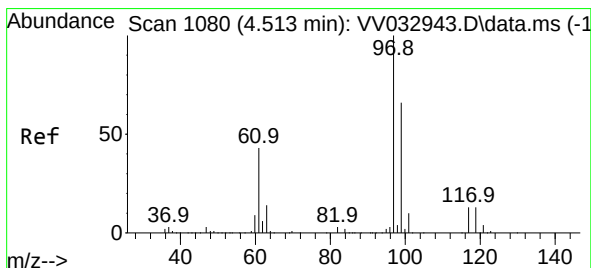
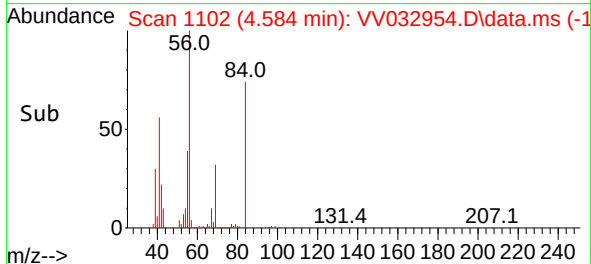
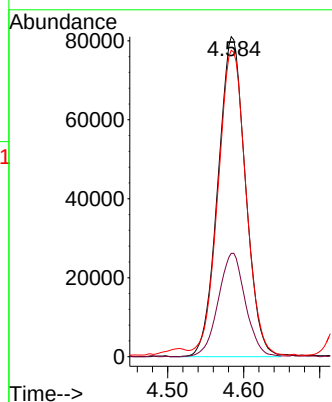
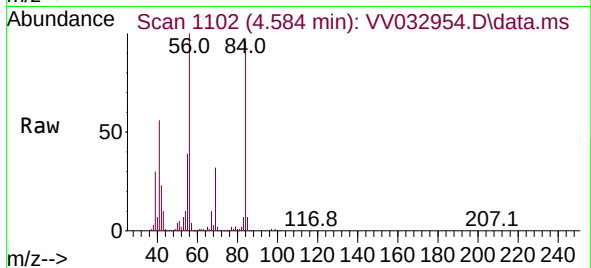
Tgt Ion: 56 Resp: 203249

Ion Ratio Lower Upper

56 100

69 32.0 24.7 37.1

84 96.8 76.6 115.0



#30

1,1,1-Trichloroethane

Concen: 49.959 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

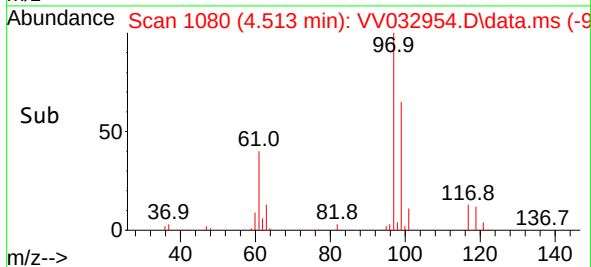
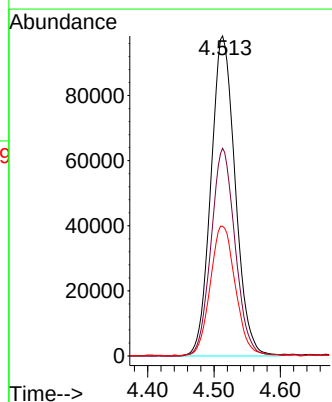
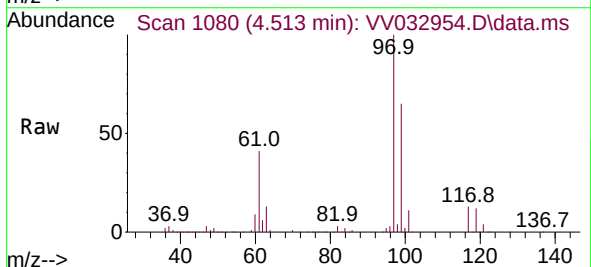
Tgt Ion: 97 Resp: 250302

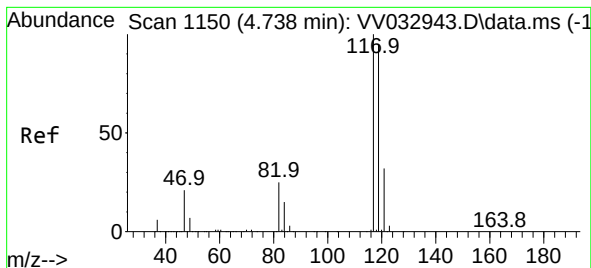
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 42.0 33.3 49.9





#31

Carbon tetrachloride

Concen: 49.896 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

Instrument :

MSVOA_V

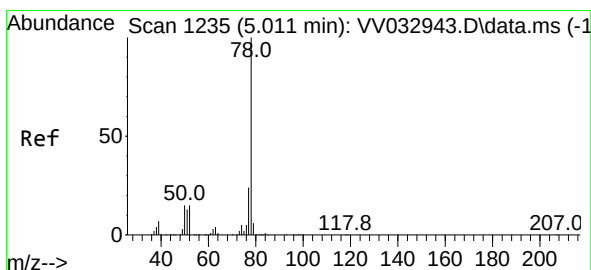
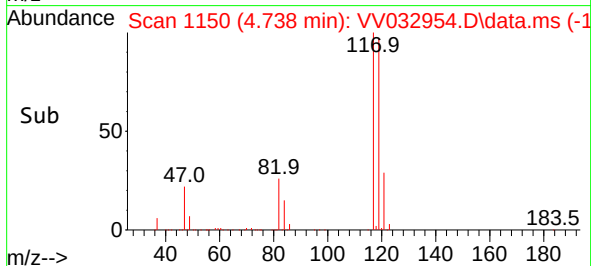
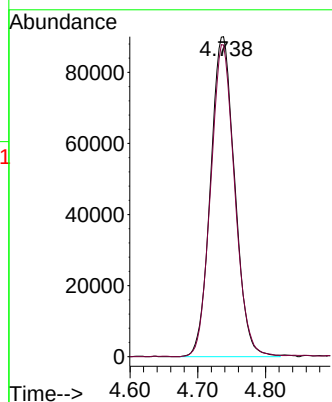
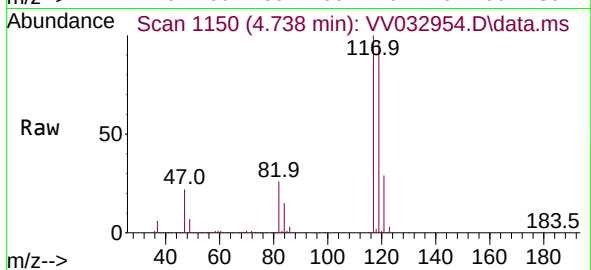
ClientSampleId :

Tgt Ion:117 Resp: 223549

Ion Ratio Lower Upper

117 100

119 96.8 76.2 114.4



#33

Benzene

Concen: 50.821 ug/L

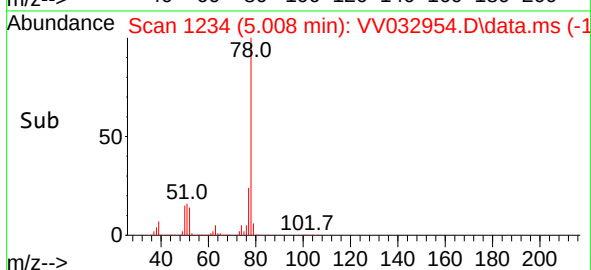
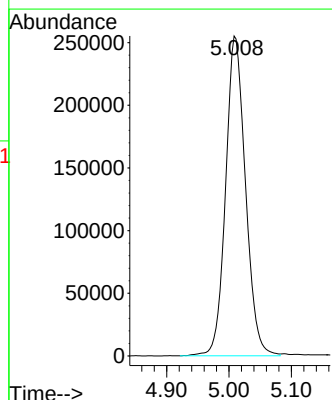
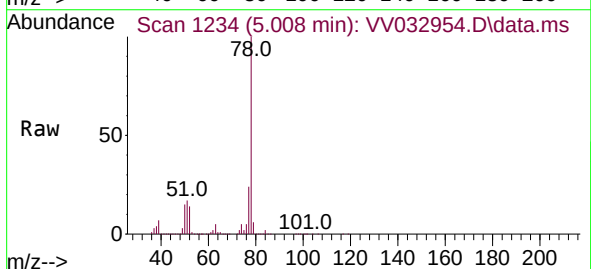
RT: 5.008 min Scan# 1234

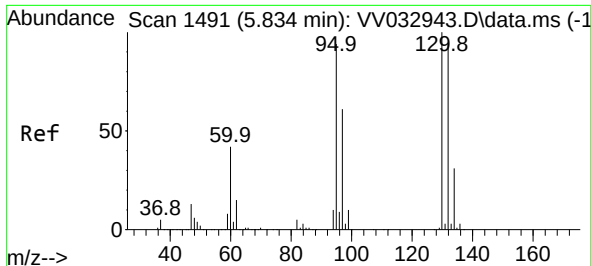
Delta R.T. -0.003 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

Tgt Ion: 78 Resp: 564293



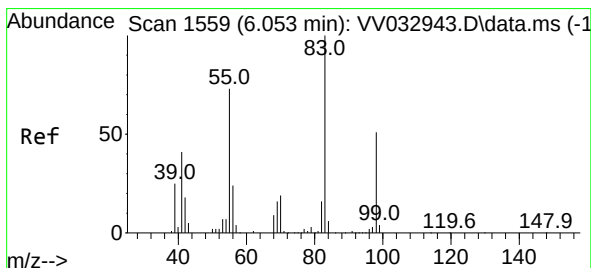
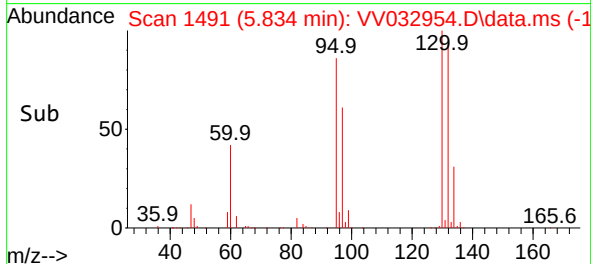
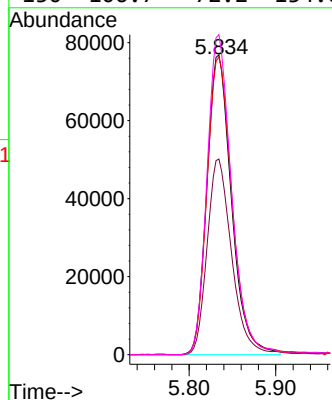
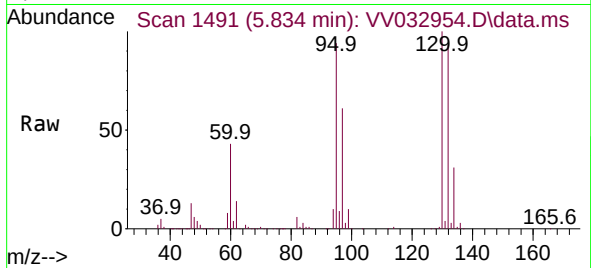


#34
Trichloroethene
Concen: 50.321 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 151851

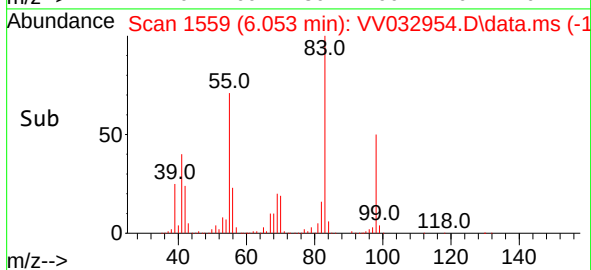
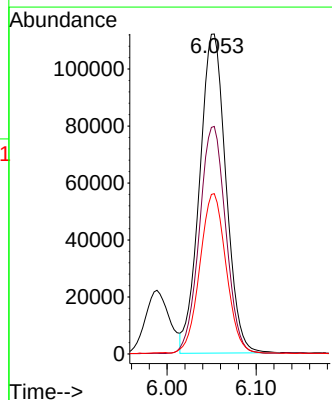
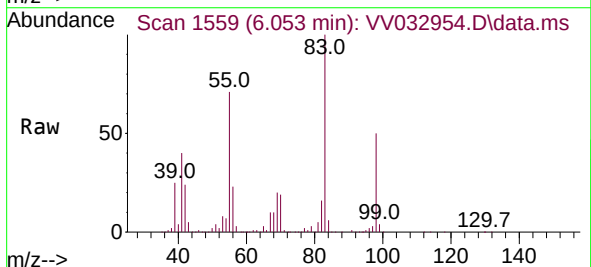
Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.7	84.9
132	99.3	70.0	130.0
130	106.7	72.2	134.0

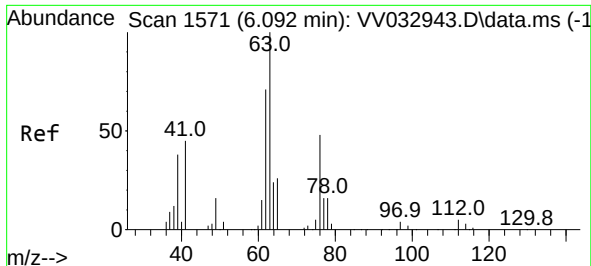


#35
Methylcyclohexane
Concen: 50.572 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

Tgt Ion: 83 Resp: 229989

Ion	Ratio	Lower	Upper
83	100		
55	71.3	57.5	86.3
98	50.1	41.0	61.4





#37

1,2-Dichloropropane

Concen: 50.750 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

Instrument :

MSVOA_V

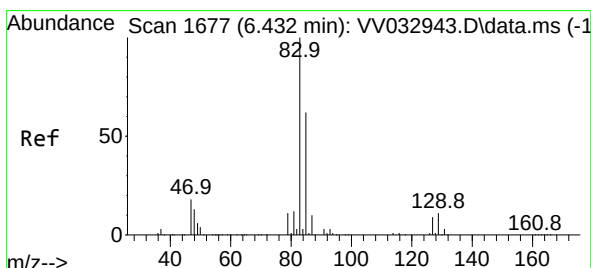
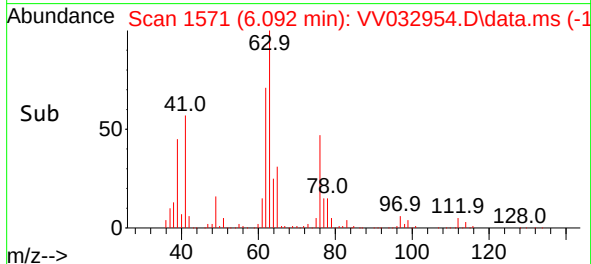
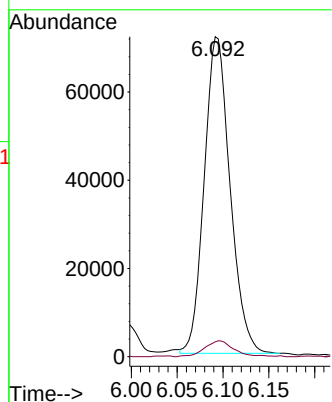
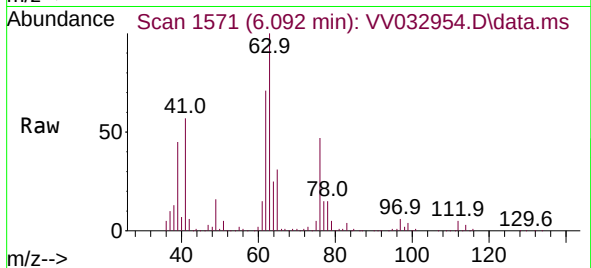
ClientSampleId :

Tgt Ion: 63 Resp: 140725

Ion Ratio Lower Upper

63 100

112 5.5 4.2 6.4



#38

Bromodichloromethane

Concen: 49.446 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

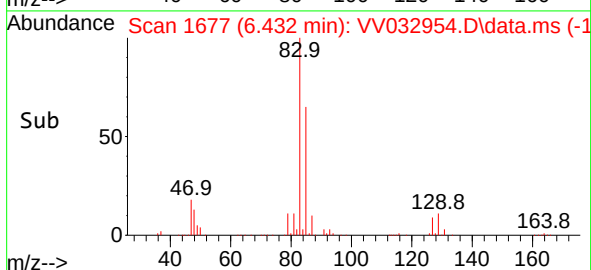
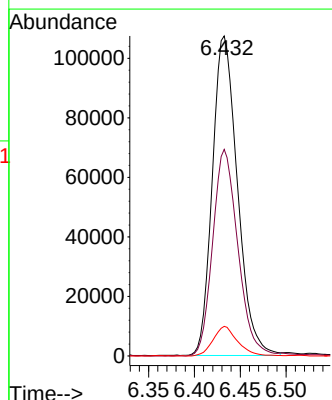
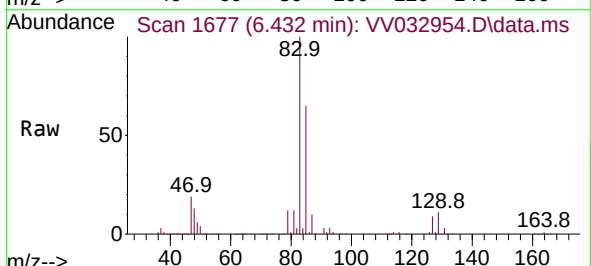
Tgt Ion: 83 Resp: 204535

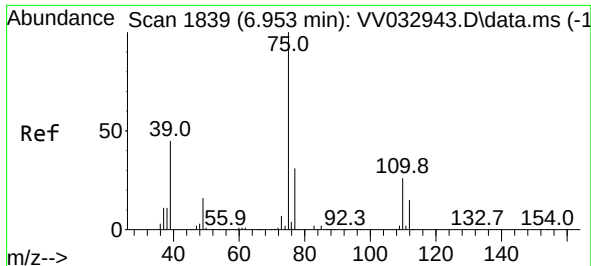
Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.7

127 9.2 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 51.077 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

Instrument :

MSVOA_V

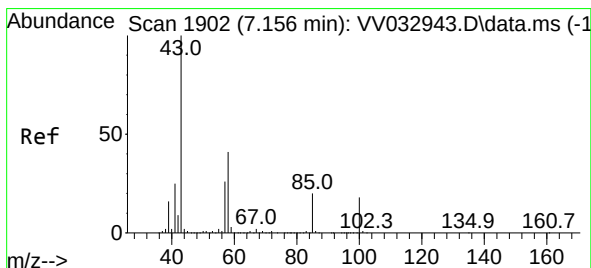
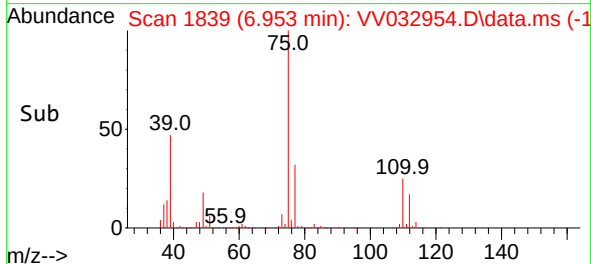
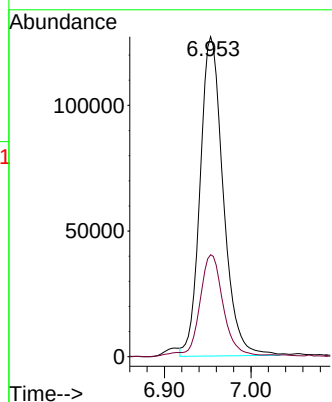
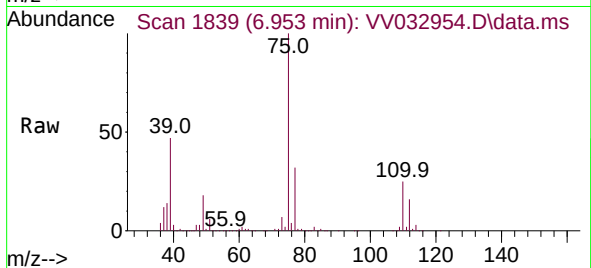
ClientSampleId :

Tgt Ion: 75 Resp: 235552

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 107.012 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

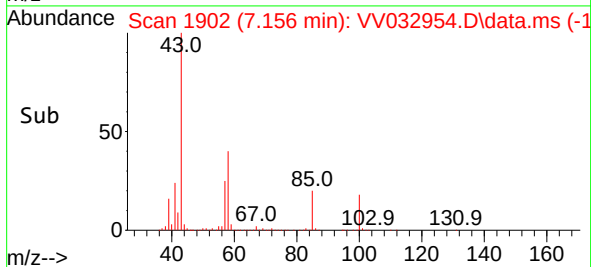
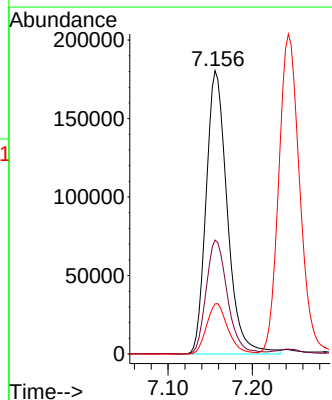
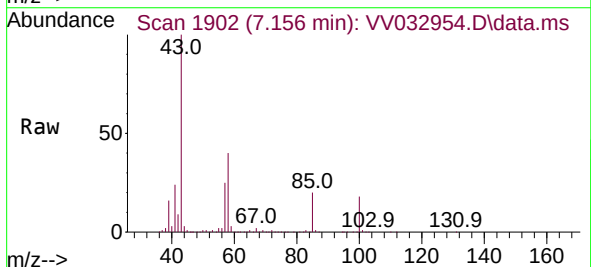
Tgt Ion: 43 Resp: 316443

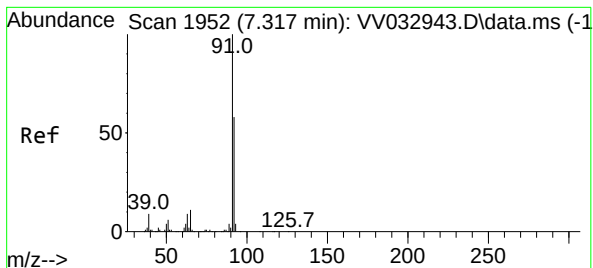
Ion Ratio Lower Upper

43 100

58 40.5 32.6 49.0

100 17.7 14.2 21.4





#42

Toluene

Concen: 52.233 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

Instrument :

MSVOA_V

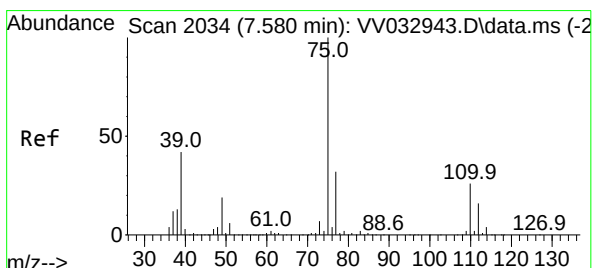
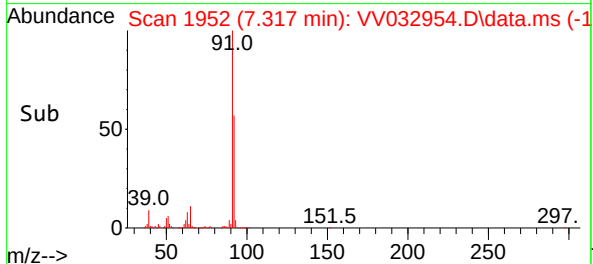
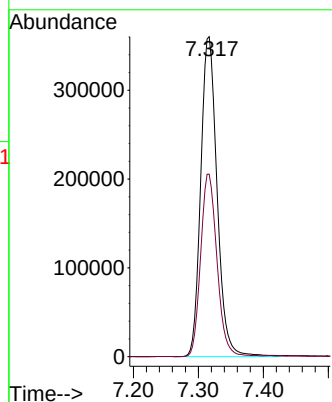
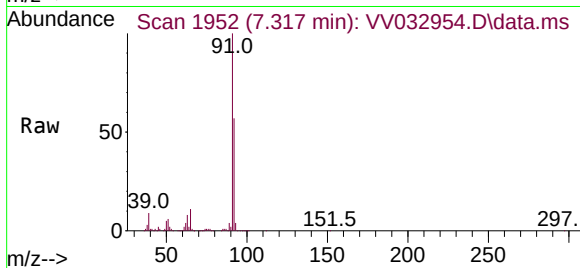
ClientSampleId :

Tgt Ion: 91 Resp: 632874

Ion Ratio Lower Upper

91 100

92 57.1 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 50.403 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV032954.D

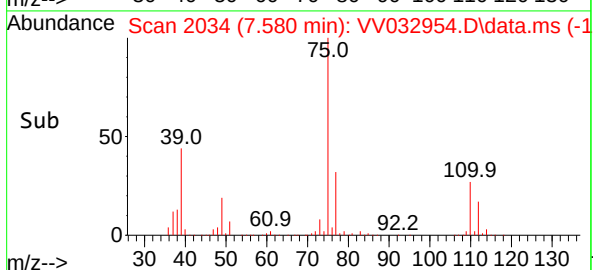
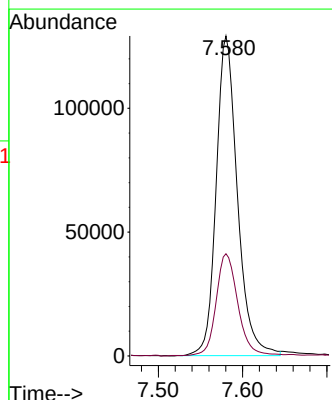
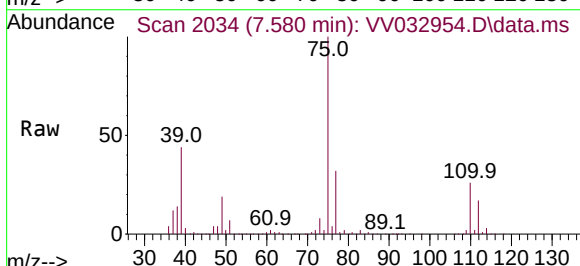
Acq: 14 Nov 2023 00:45

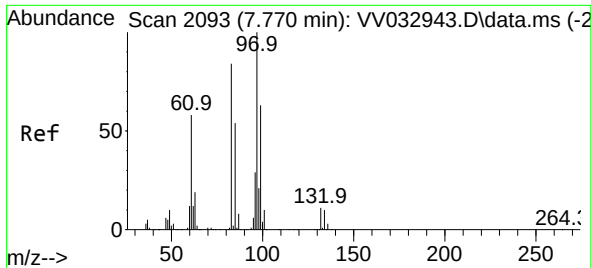
Tgt Ion: 75 Resp: 225784

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.3

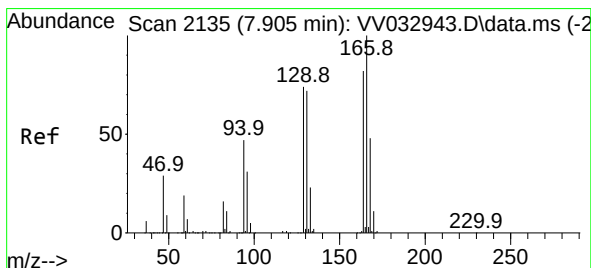
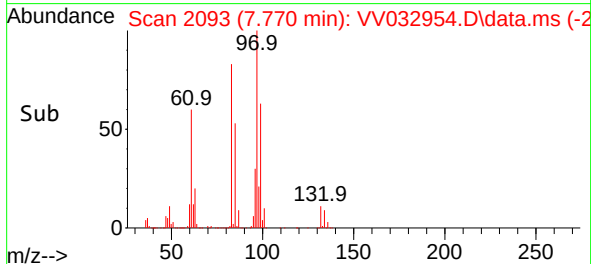
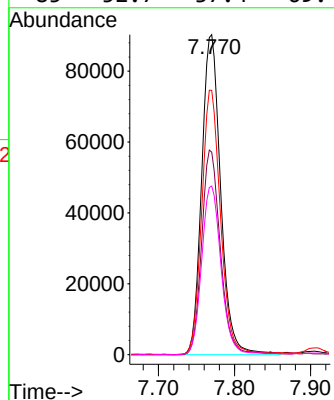
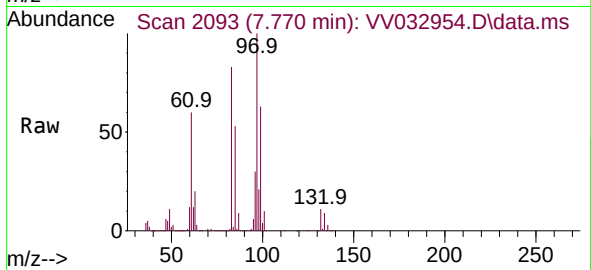




#45
1,1,2-Trichloroethane
Concen: 50.965 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

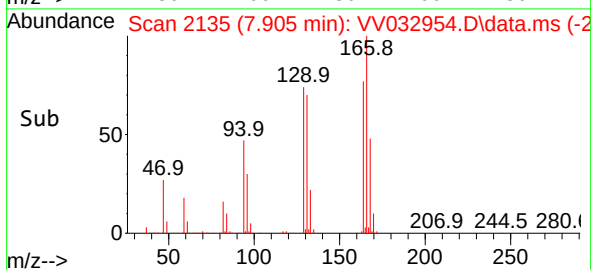
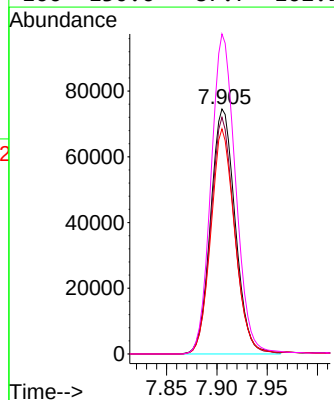
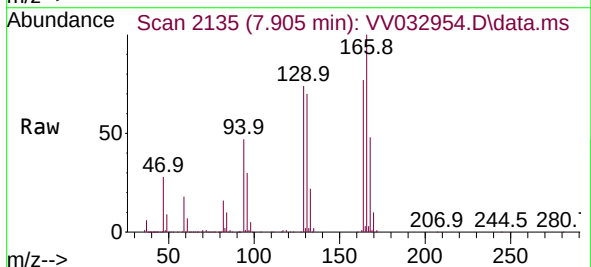
Instrument :
MSVOA_V
ClientSampleId :

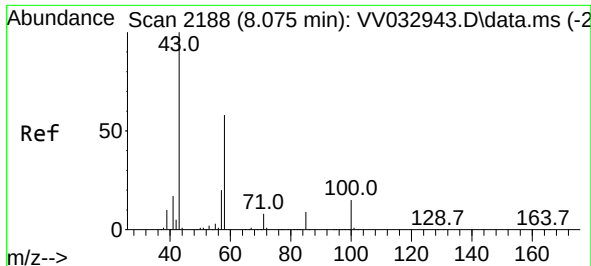
Tgt Ion:	97	Resp:	156826
Ion	Ratio	Lower	Upper
97	100		
99	63.3	42.8	79.4
83	82.6	57.4	106.6
85	52.7	37.4	69.4



#46
Tetrachloroethene
Concen: 48.937 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

Tgt Ion:	164	Resp:	127035
Ion	Ratio	Lower	Upper
164	100		
129	96.6	64.2	119.2
131	91.9	63.5	117.9
166	130.6	87.7	162.9

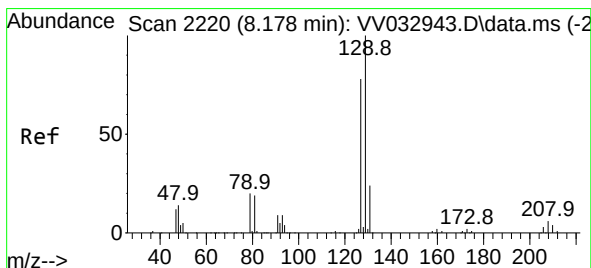
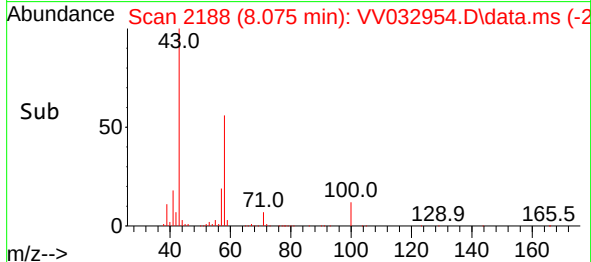
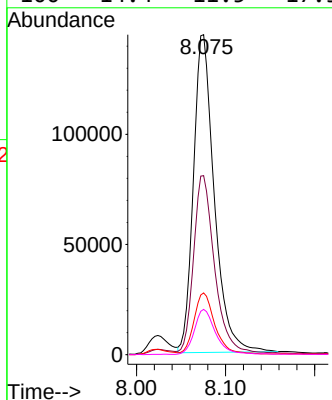
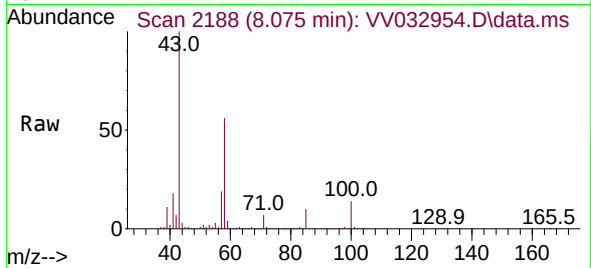




#48
2-Hexanone
Concen: 91.244 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

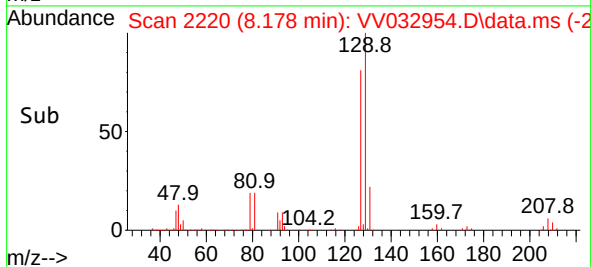
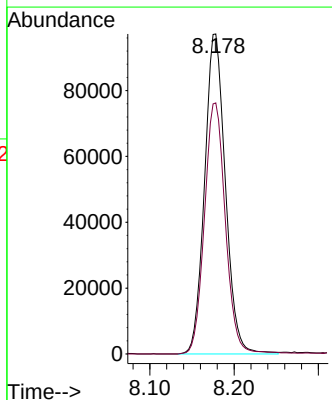
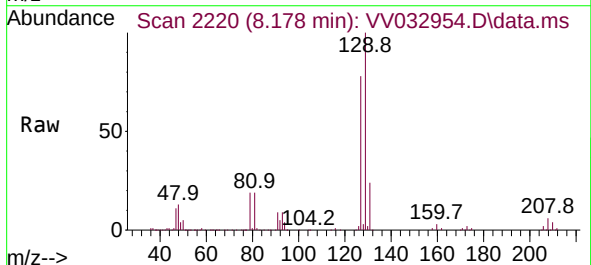
Instrument :
MSVOA_V
ClientSampleId :

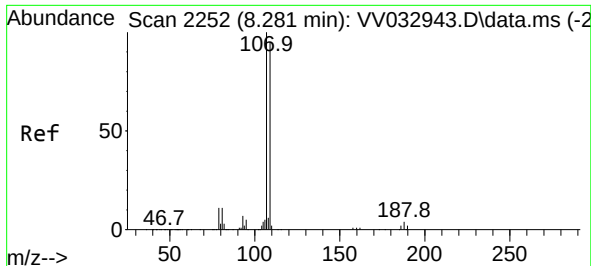
Tgt Ion: 43 Resp: 235073
Ion Ratio Lower Upper
43 100
58 55.7 44.8 67.2
57 19.0 15.2 22.8
100 14.4 11.5 17.3



#49
Dibromochloromethane
Concen: 50.381 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

Tgt Ion: 129 Resp: 167008
Ion Ratio Lower Upper
129 100
127 78.4 55.1 102.3





#50

1,2-Dibromoethane

Concen: 51.012 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

Instrument :

MSVOA_V

ClientSampleId :

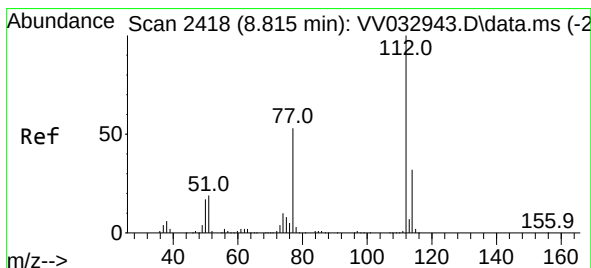
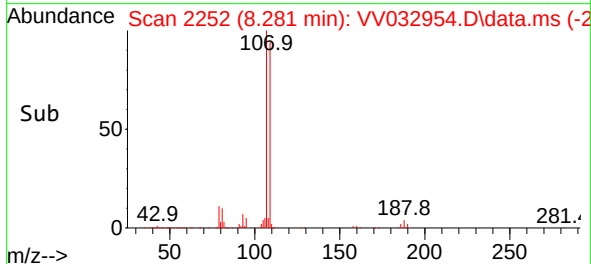
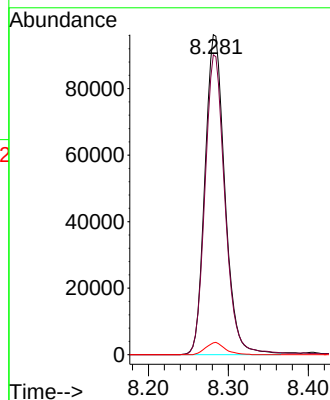
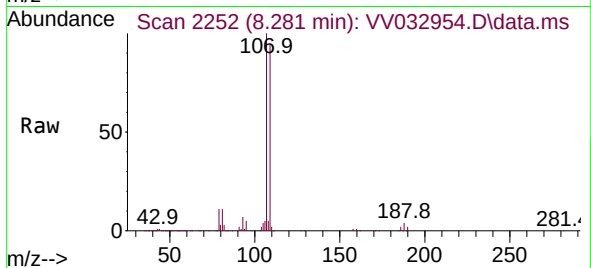
Tgt Ion:107 Resp: 167077

Ion Ratio Lower Upper

107 100

109 93.7 66.3 123.1

188 3.7 3.1 4.7



#51

Chlorobenzene

Concen: 49.976 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

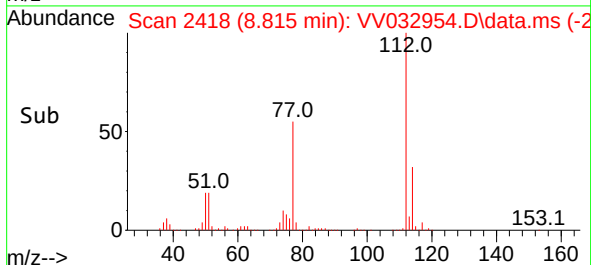
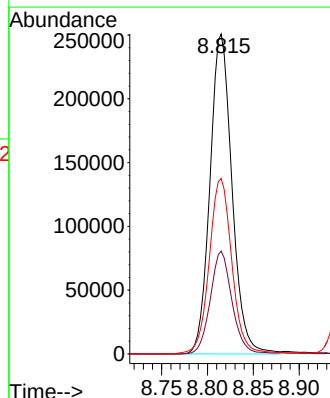
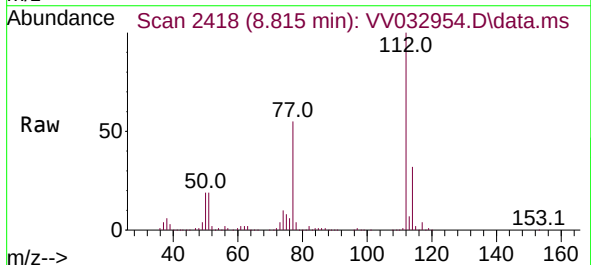
Tgt Ion:112 Resp: 419468

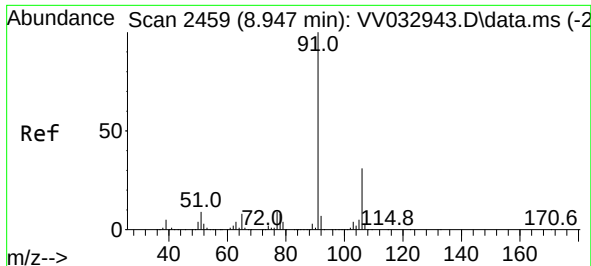
Ion Ratio Lower Upper

112 100

114 32.2 22.1 41.1

77 54.9 44.2 66.2

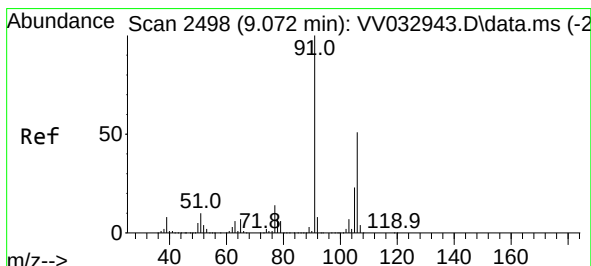
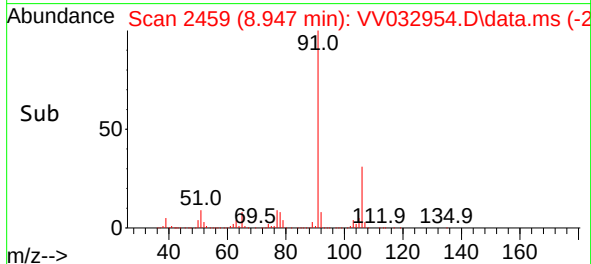
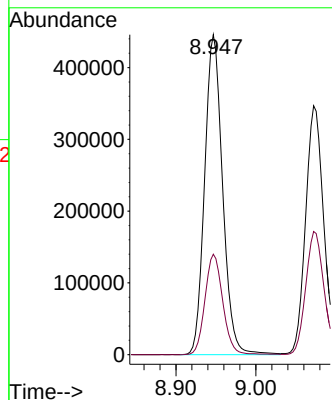
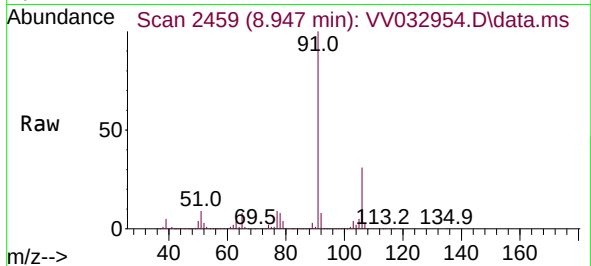




#52
Ethylbenzene
Concen: 52.043 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

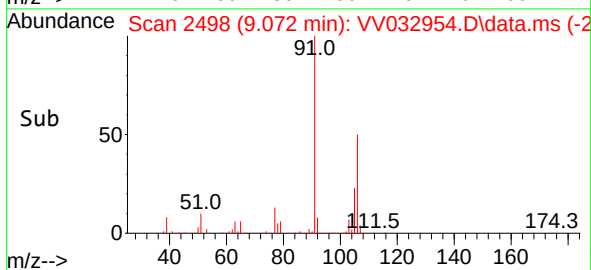
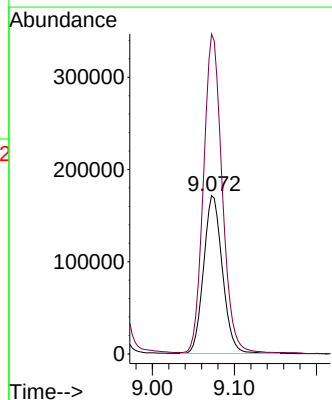
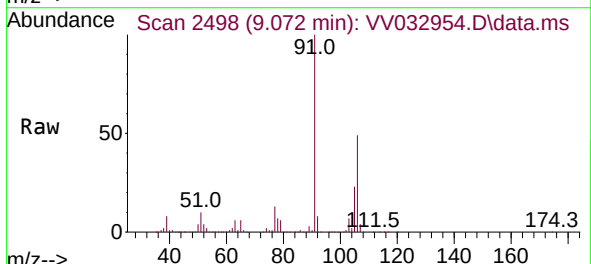
Instrument :
MSVOA_V
ClientSampleId :

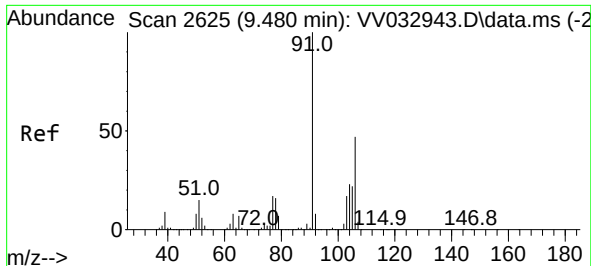
Tgt Ion: 91 Resp: 698325
Ion Ratio Lower Upper
91 100
106 31.4 21.6 40.0



#53
m,p-Xylene
Concen: 52.679 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

Tgt Ion:106 Resp: 271792
Ion Ratio Lower Upper
106 100
91 202.0 137.5 255.4

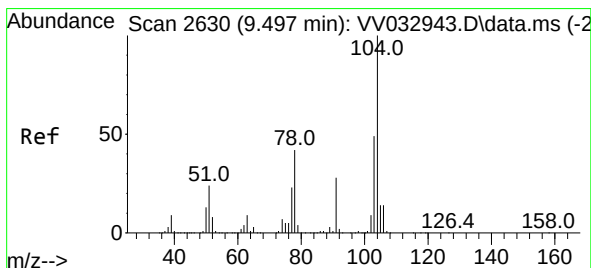
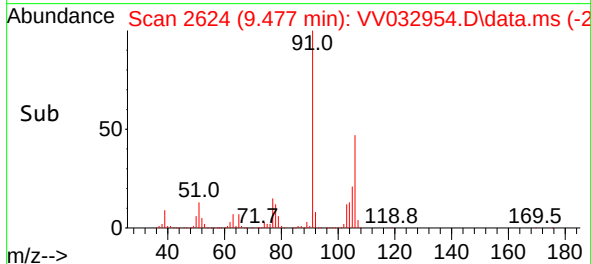
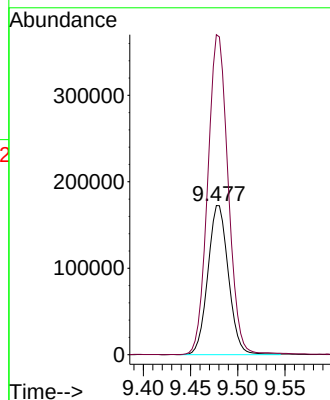
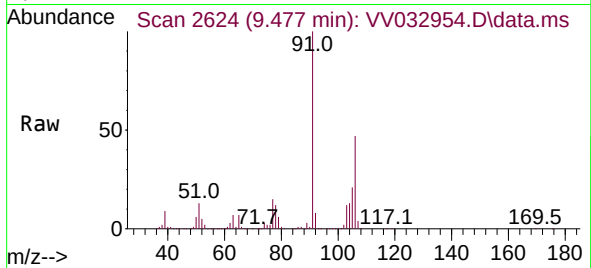




#54
o-Xylene
Concen: 52.537 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.003 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

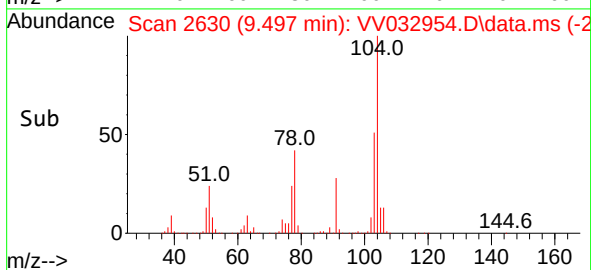
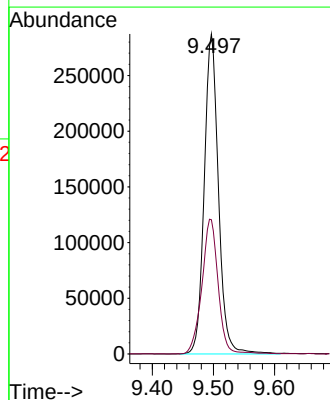
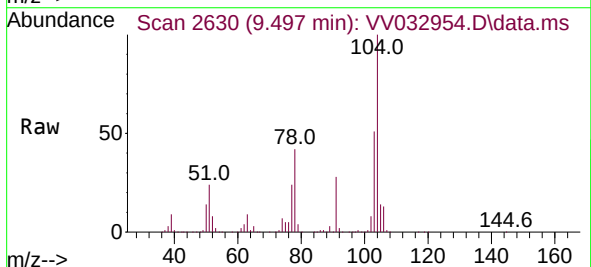
Instrument :
MSVOA_V
ClientSampleId :

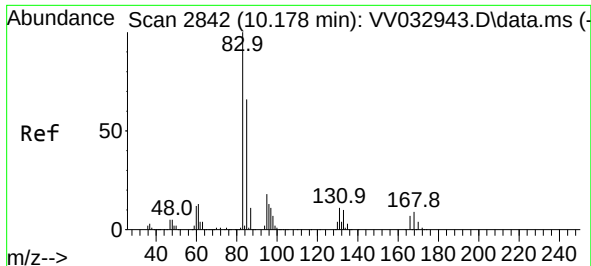
Tgt Ion:106 Resp: 261366
Ion Ratio Lower Upper
106 100
91 214.6 151.6 281.6



#55
Styrene
Concen: 52.974 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

Tgt Ion:104 Resp: 464842
Ion Ratio Lower Upper
104 100
78 41.9 29.8 55.4





#57

1,1,2,2-Tetrachloroethane

Concen: 50.220 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

Instrument :

MSVOA_V

ClientSampleId :

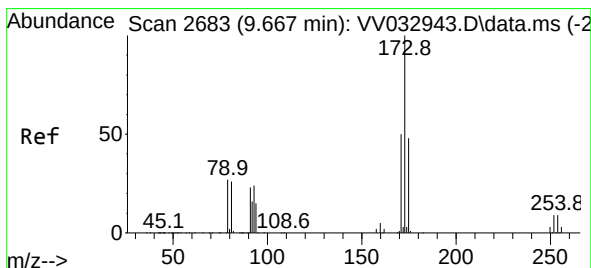
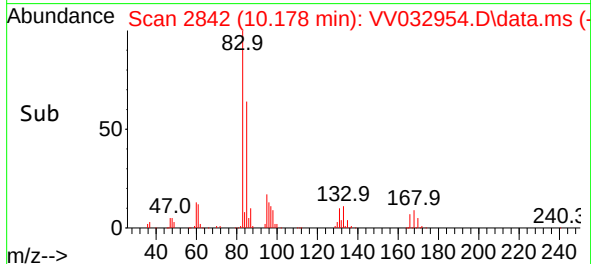
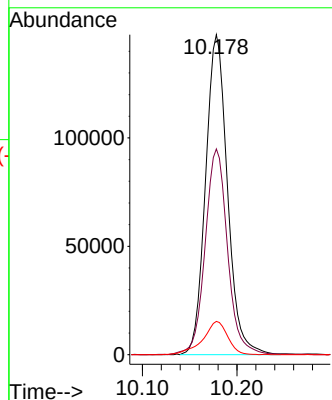
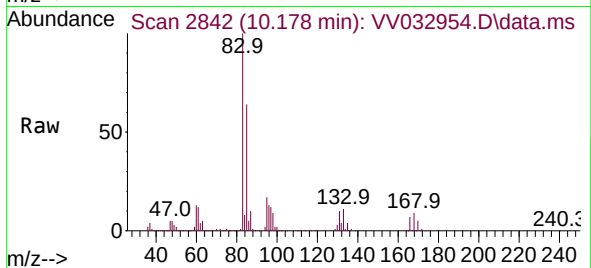
Tgt Ion: 83 Resp: 237737

Ion Ratio Lower Upper

83 100

85 64.3 44.7 83.1

131 10.4 8.7 13.1



#59

Bromoform

Concen: 51.065 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.003 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

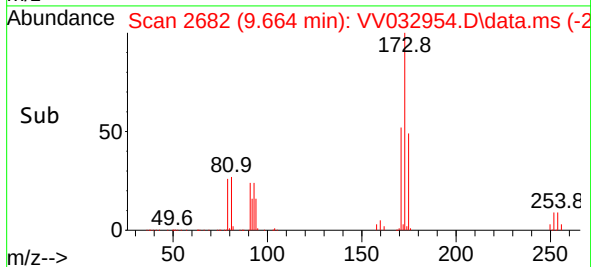
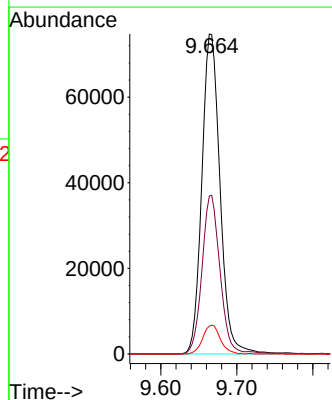
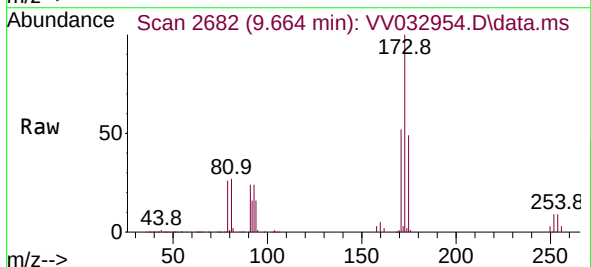
Tgt Ion: 173 Resp: 124472

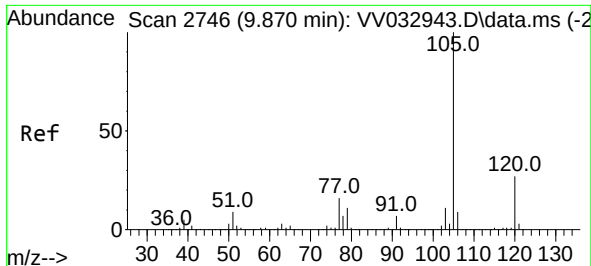
Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.4

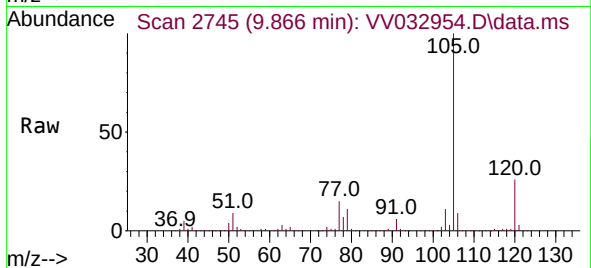
254 8.7 7.0 10.6



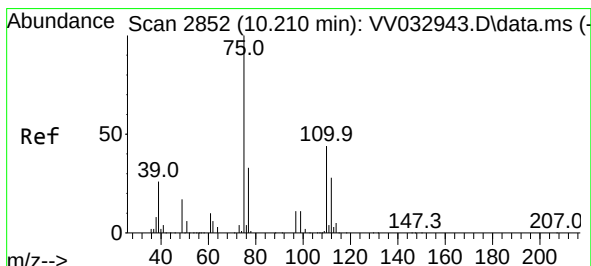
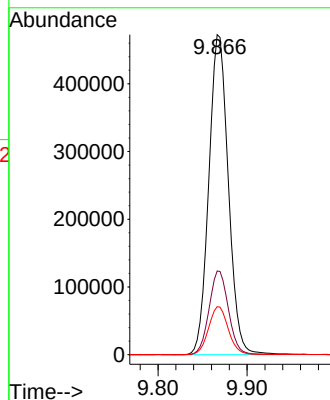
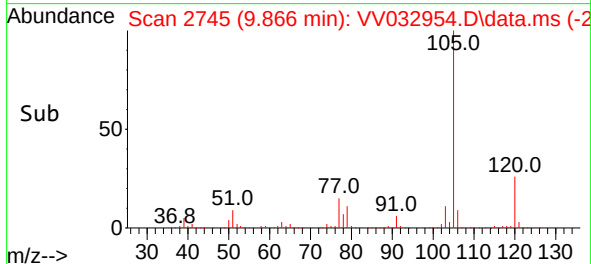


#60
Isopropylbenzene
Concen: 52.992 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

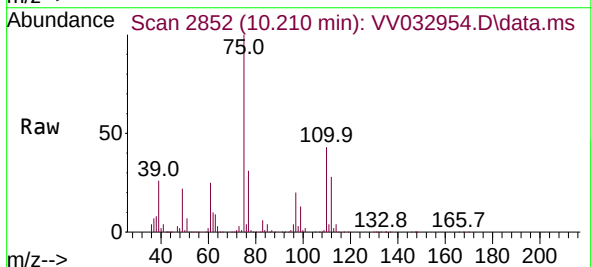
Instrument :
MSVOA_V
ClientSampleId :



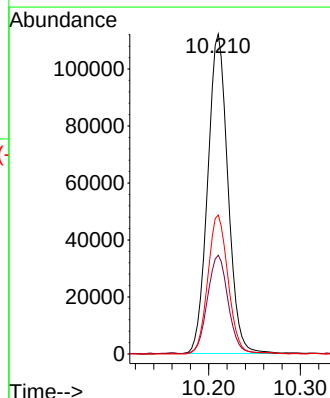
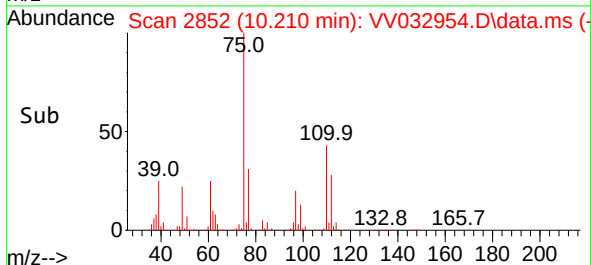
Tgt Ion:105 Resp: 718767
Ion Ratio Lower Upper
105 100
120 26.1 21.4 32.2
77 15.1 12.1 18.1

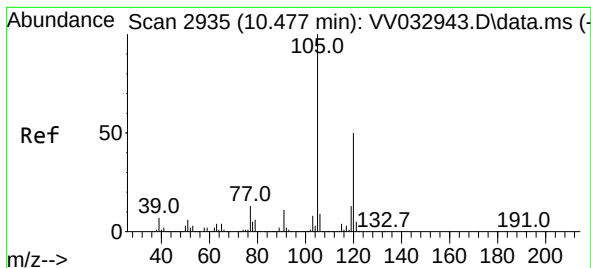


#61
1,2,3-Trichloropropane
Concen: 51.326 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45



Tgt Ion: 75 Resp: 172145
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
110 43.4 34.6 52.0





#62

1,3,5-Trimethylbenzene

Concen: 53.632 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

Instrument :

MSVOA_V

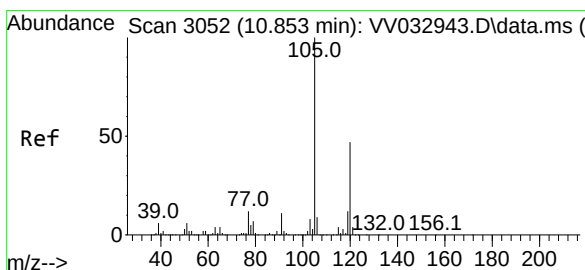
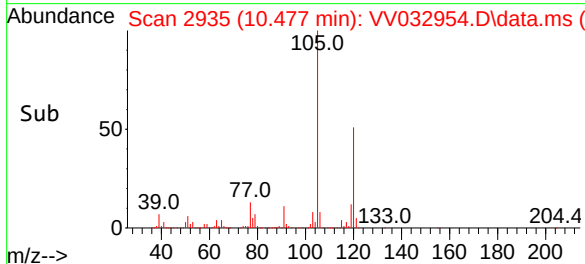
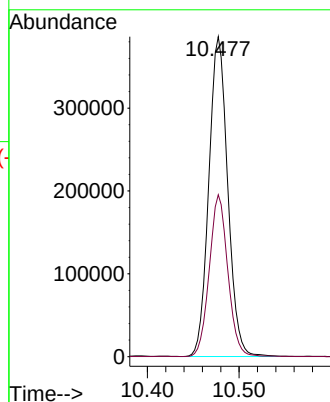
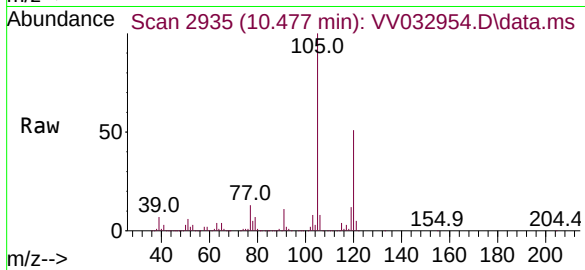
ClientSampleId :

Tgt Ion:105 Resp: 551834

Ion Ratio Lower Upper

105 100

120 49.5 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 54.409 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032954.D

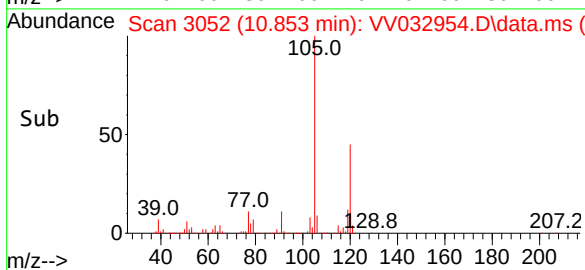
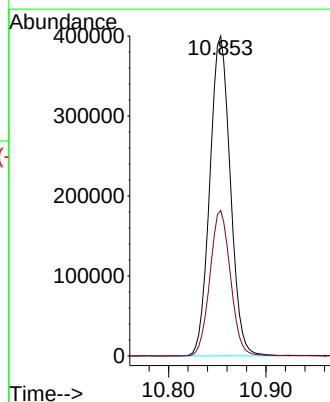
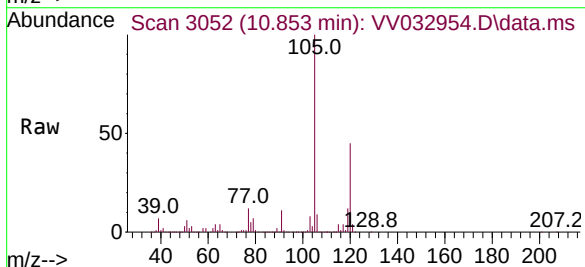
Acq: 14 Nov 2023 00:45

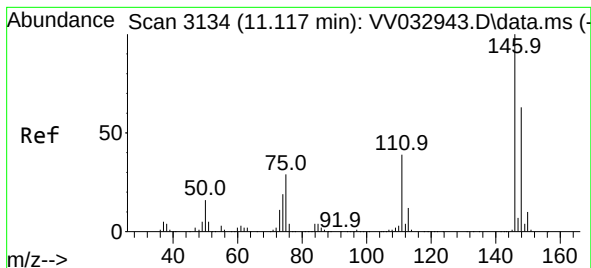
Tgt Ion:105 Resp: 585363

Ion Ratio Lower Upper

105 100

120 45.6 36.3 54.5





#64

1,3-Dichlorobenzene

Concen: 50.387 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

Instrument :

MSVOA_V

ClientSampleId :

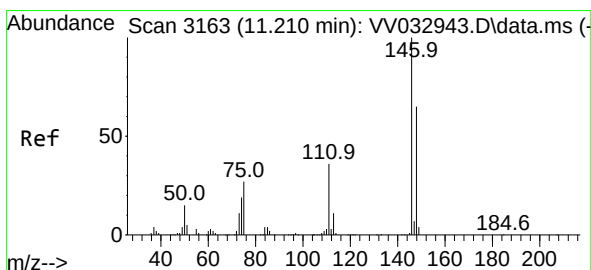
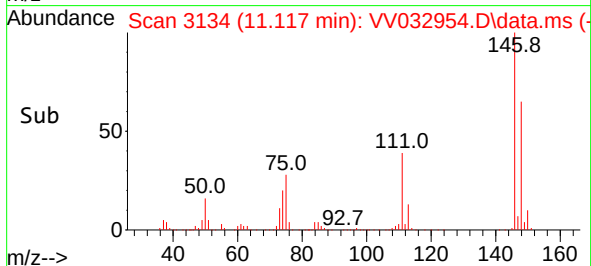
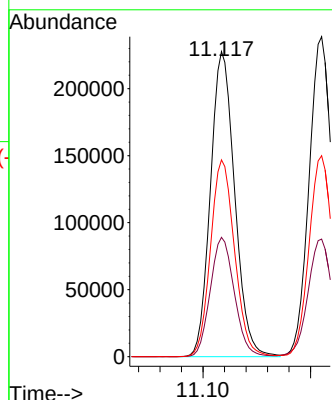
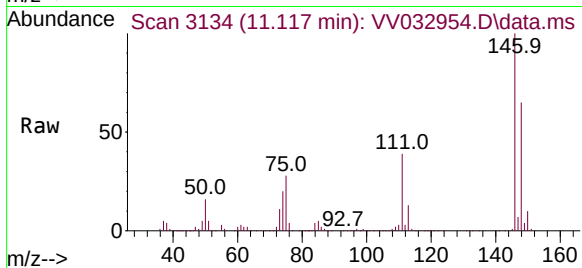
Tgt Ion:146 Resp: 356451

Ion Ratio Lower Upper

146 100

111 39.1 26.9 49.9

148 64.5 43.6 81.0



#65

1,4-Dichlorobenzene

Concen: 48.884 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

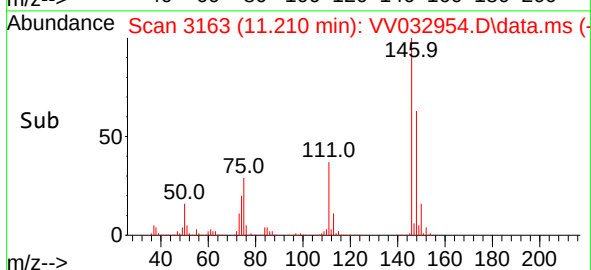
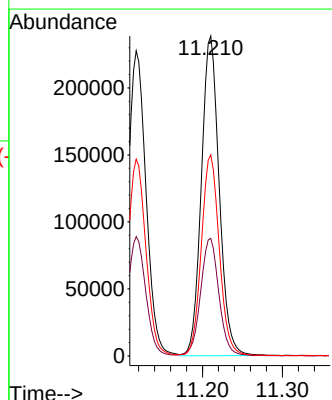
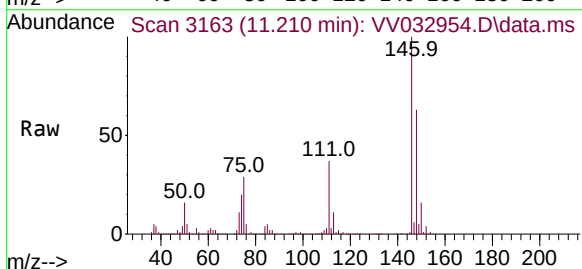
Tgt Ion:146 Resp: 370886

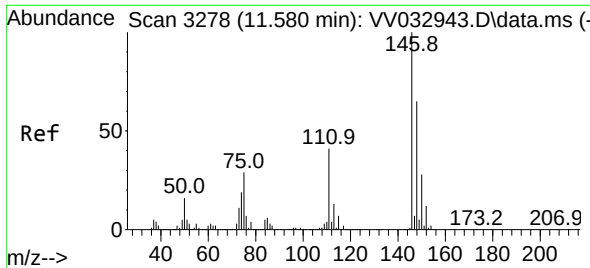
Ion Ratio Lower Upper

146 100

111 36.7 25.5 47.3

148 62.8 44.4 82.5

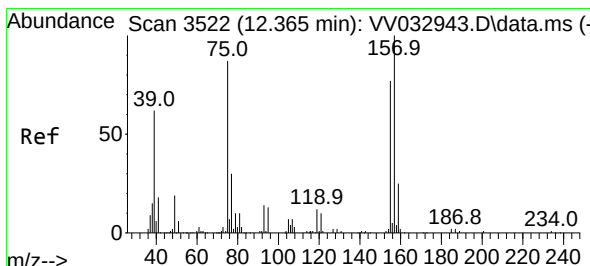
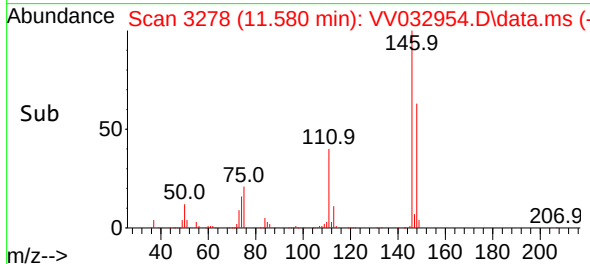
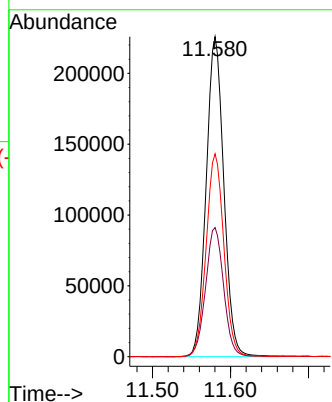
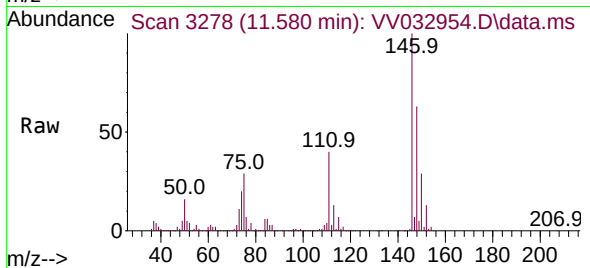




#67
1,2-Dichlorobenzene
Concen: 49.874 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

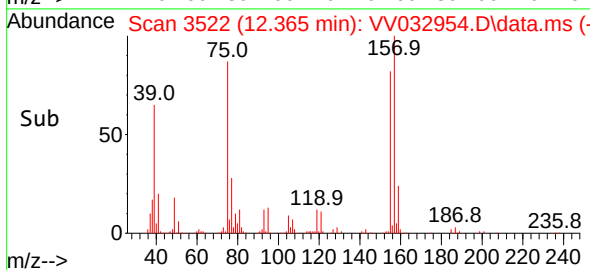
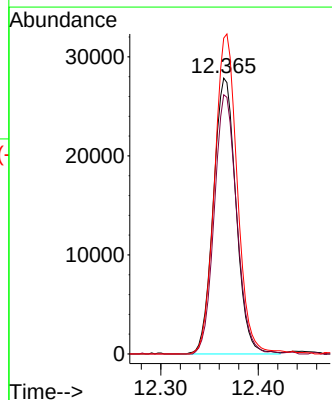
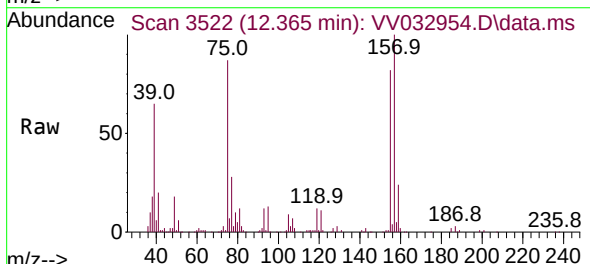
Instrument :
MSVOA_V
ClientSampleId :

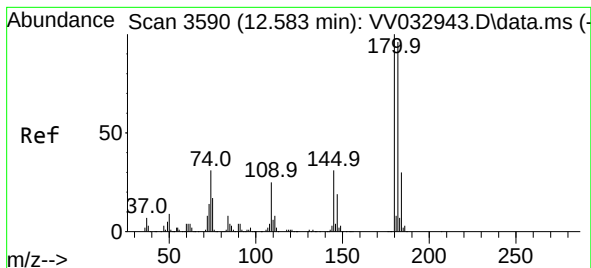
Tgt Ion:146 Resp: 354799
Ion Ratio Lower Upper
146 100
111 40.4 31.1 46.7
148 63.4 51.4 77.0



#68
1,2-Dibromo-3-chloropropane
Concen: 48.015 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.000 min
Lab File: VV032954.D
Acq: 14 Nov 2023 00:45

Tgt Ion: 75 Resp: 45006
Ion Ratio Lower Upper
75 100
155 94.0 76.8 115.2
157 114.5 97.6 146.4





#69

1,3,5-Trichlorobenzene

Concen: 48.878 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 259422

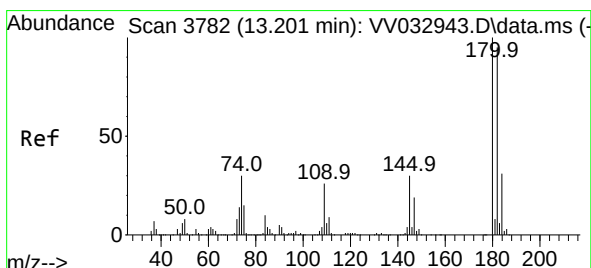
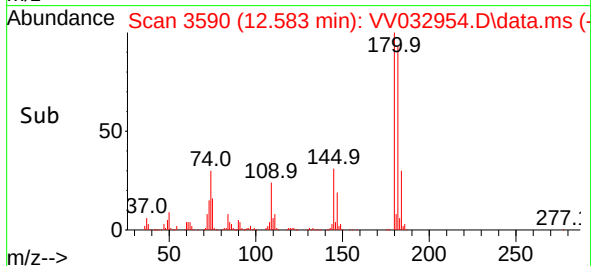
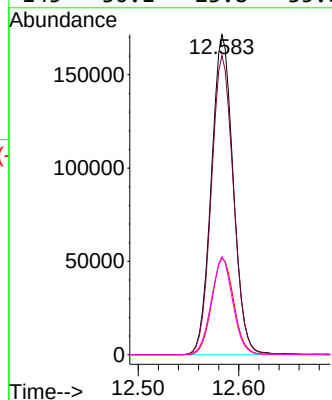
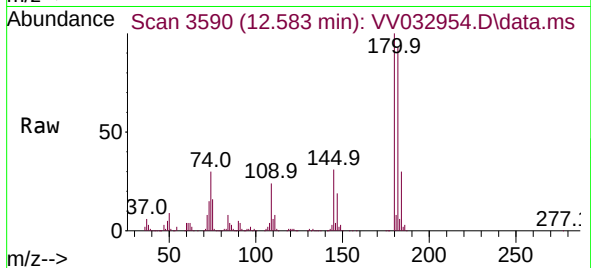
Ion Ratio Lower Upper

180 100

182 94.4 75.9 113.9

184 30.3 24.6 36.8

145 30.1 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 50.770 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.003 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

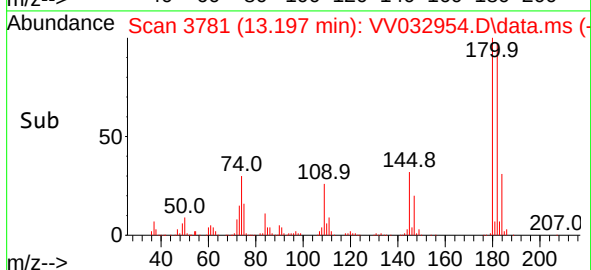
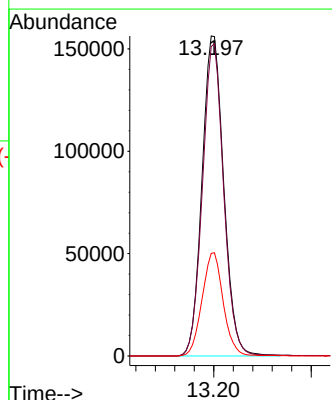
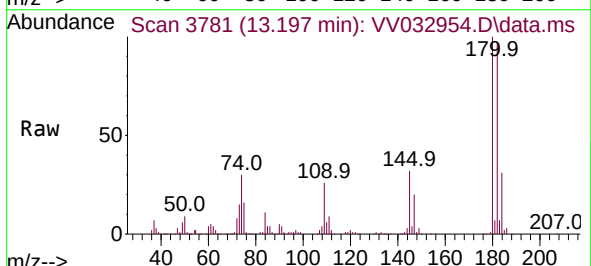
Tgt Ion:180 Resp: 242057

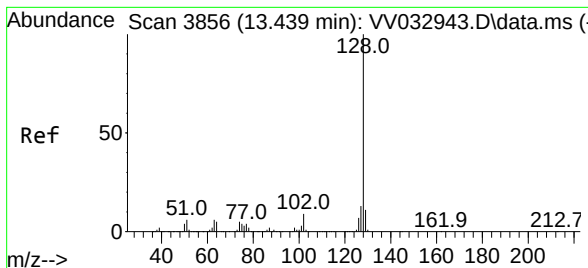
Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.4

145 31.4 24.3 36.5





#71

Naphthalene

Concen: 56.256 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

Instrument :

MSVOA_V

ClientSampleId :

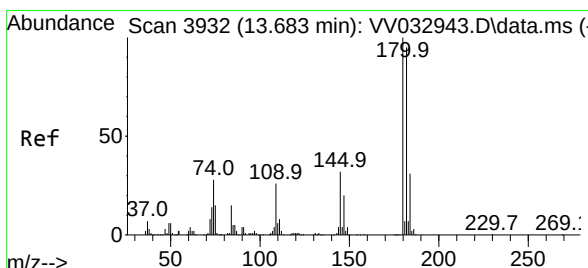
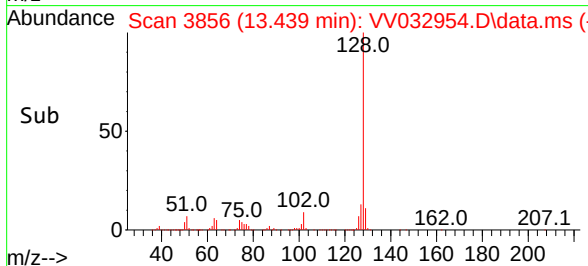
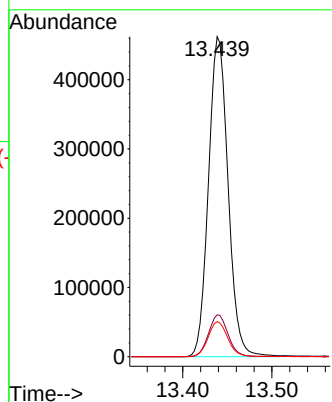
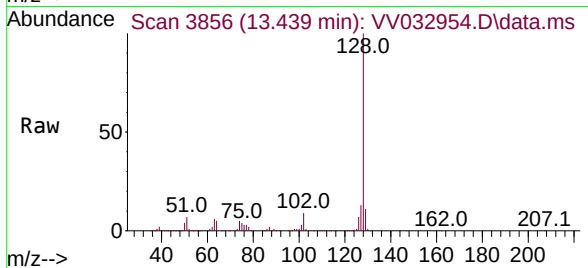
Tgt Ion:128 Resp: 704837

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 52.143 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032954.D

Acq: 14 Nov 2023 00:45

Tgt Ion:180 Resp: 250198

Ion Ratio Lower Upper

180 100

182 95.6 76.9 115.3

145 32.3 26.1 39.1

