

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092223\
 Data File : VW032154.D
 Acq On : 22 Sep 2023 09:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 23 01:14:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 21 01:37:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	254420	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	244846	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	134668	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	75254	47.263	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.520%
7) Chloroethane-d5	1.529	69	62429	44.726	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.460%
11) 1,1-Dichloroethene-d2	2.060	65	31468	42.206	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.420%
21) 2-Butanone-d5	3.786	46	110157	87.964	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.960%
24) Chloroform-d	4.249	84	140900	40.486	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.980%
26) 1,2-Dichloroethane-d4	4.944	65	85221	36.899	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.800%
32) Benzene-d6	4.960	84	278416	41.672	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.340%
36) 1,2-Dichloropropane-d6	5.989	67	90741	42.197	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.400%
41) Toluene-d8	7.246	98	255484	41.502	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.000%
43) trans-1,3-Dichloroprop...	7.555	79	43815	39.311	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.620%
47) 2-Hexanone-d5	8.027	63	72985	110.734	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.730%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	124026	44.632	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.260%
66) 1,2-Dichlorobenzene-d4	11.564	152	100713	41.025	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	64343	41.542	ug/L	98
3) Chloromethane	1.217	50	67875	42.976	ug/L	100
5) Vinyl chloride	1.282	62	70623	41.871	ug/L	99
6) Bromomethane	1.484	94	41766	42.056	ug/L	100
8) Chloroethane	1.545	64	48321	43.108	ug/L	96
9) Trichlorofluoromethane	1.712	101	107495	43.720	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	70717	47.636	ug/L	98
12) 1,1-Dichloroethene	2.069	96	57742	43.304	ug/L	89
13) Acetone	2.111	43	126264	113.280	ug/L	100
14) Carbon disulfide	2.240	76	112381	36.988	ug/L	100
15) Methyl Acetate	2.372	43	100001	50.305	ug/L	98
16) Methylene chloride	2.446	84	79112	46.170	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	62895	43.024	ug/L	92
18) Methyl tert-butyl Ether	2.703	73	275093	44.526	ug/L	97
19) 1,1-Dichloroethane	3.111	63	151379	46.207	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	84173	45.895	ug/L	94
22) 2-Butanone	3.867	43	157344	106.682	ug/L	97
23) Bromochloromethane	4.150	128	42305	47.544	ug/L	97
25) Chloroform	4.278	83	156328	45.894	ug/L	98

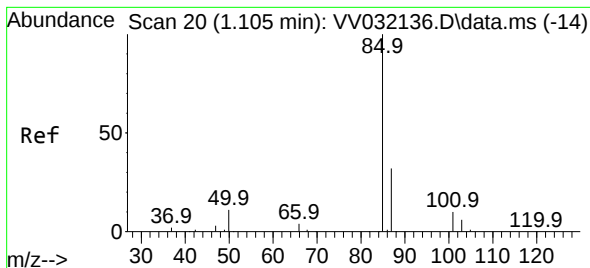
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 Quant Title : VOC Analysis
 QLast Update : Thu Sep 21 01:37:00 2023
 Response via : Initial Calibration

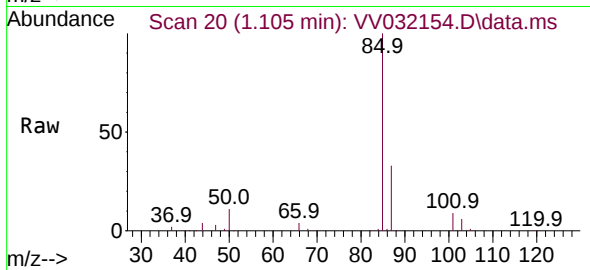
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	111997	41.735	ug/L	96
29) Cyclohexane	4.584	56	105368	41.332	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	125722	44.021	ug/L	99
31) Carbon tetrachloride	4.738	117	103915	42.850	ug/L	99
33) Benzene	5.011	78	306036	46.518	ug/L	100
34) Trichloroethene	5.834	95	83521	41.511	ug/L	99
35) Methylcyclohexane	6.053	83	112330	41.974	ug/L	99
37) 1,2-Dichloropropane	6.095	63	91590	49.117	ug/L	100
38) Bromodichloromethane	6.436	83	121443	45.882	ug/L	100
39) cis-1,3-Dichloropropene	6.957	75	142366	43.913	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	288699	97.543	ug/L	99
42) Toluene	7.317	91	327675	45.279	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	135743	43.577	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	92199	48.940	ug/L	100
46) Tetrachloroethene	7.908	164	57316	45.368	ug/L	98
48) 2-Hexanone	8.079	43	229792	101.667	ug/L	98
49) Dibromochloromethane	8.178	129	92434	47.747	ug/L	100
50) 1,2-Dibromoethane	8.285	107	92772	47.016	ug/L	100
51) Chlorobenzene	8.815	112	222957	46.366	ug/L	98
52) Ethylbenzene	8.950	91	382532	44.624	ug/L	100
53) m,p-Xylene	9.075	106	138505	43.515	ug/L	98
54) o-Xylene	9.481	106	141587	44.726	ug/L	99
55) Styrene	9.497	104	255241	45.609	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.182	83	145828	54.681	ug/L	100
59) Bromoform	9.667	173	66319	47.490	ug/L	100
60) Isopropylbenzene	9.870	105	397800	44.103	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	116996	45.984	ug/L	100
62) 1,3,5-Trimethylbenzene	10.481	105	324598	42.775	ug/L	98
63) 1,2,4-Trimethylbenzene	10.854	105	324821	42.551	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	189355	46.842	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	194189	47.243	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	189895	47.407	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	30763	40.254	ug/L	85
69) 1,3,5-Trichlorobenzene	12.587	180	140327	47.619	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	132685	46.907	ug/L	99
71) Naphthalene	13.442	128	390746	43.236	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	131037	48.344	ug/L	99

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

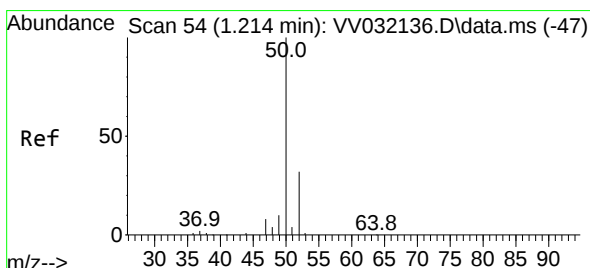
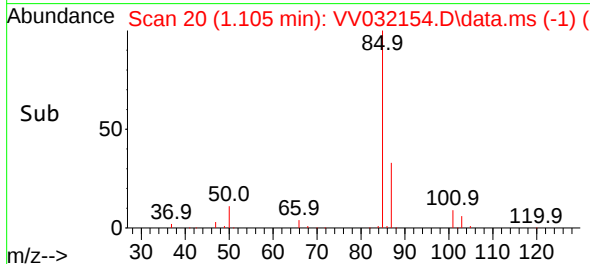
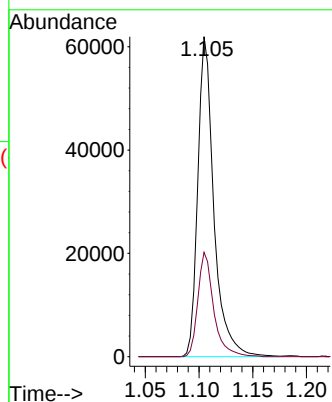


#2
 Dichlorodifluoromethane
 Concen: 41.542 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032154.D
 Acq: 22 Sep 2023 09:25

Instrument :
 MSVOA_V
 ClientSampleId :

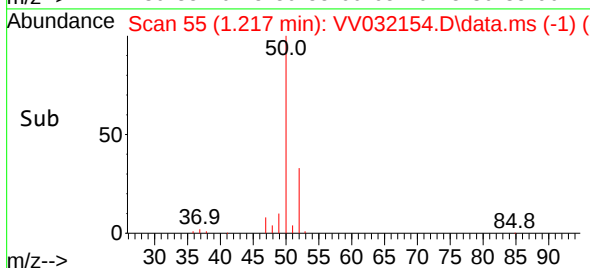
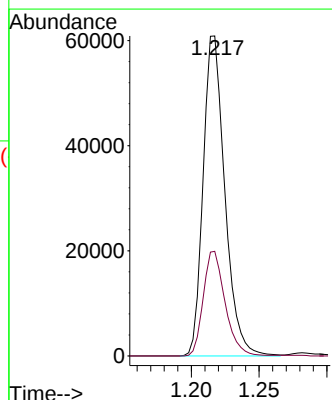
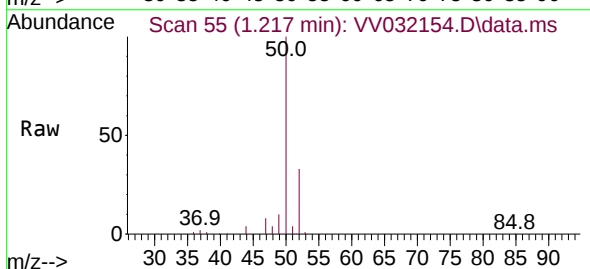


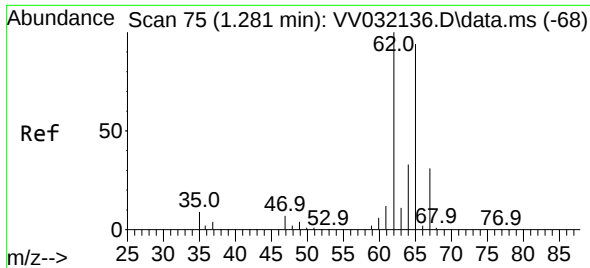
Tgt Ion: 85 Resp: 64343
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.8 40.2



#3
 Chloromethane
 Concen: 42.976 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV032154.D
 Acq: 22 Sep 2023 09:25

Tgt Ion: 50 Resp: 67875
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.0 42.6

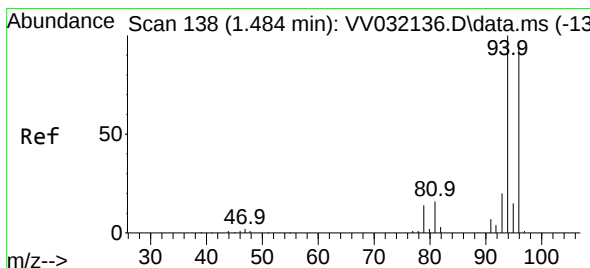
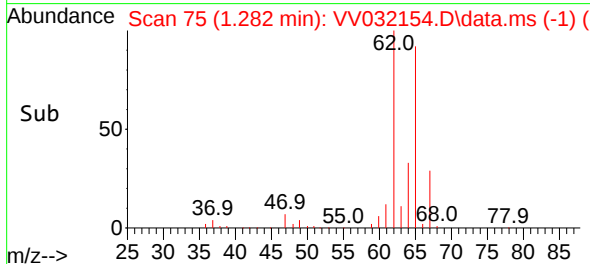
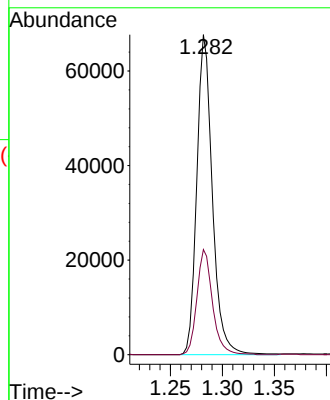
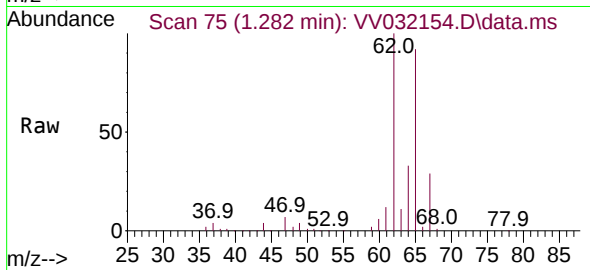




#5
 Vinyl chloride
 Concen: 41.871 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV032154.D
 Acq: 22 Sep 2023 09:25

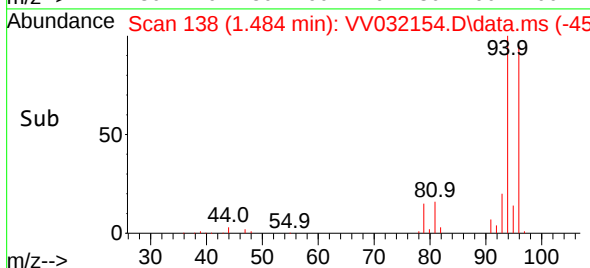
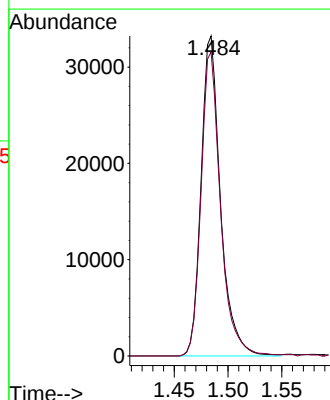
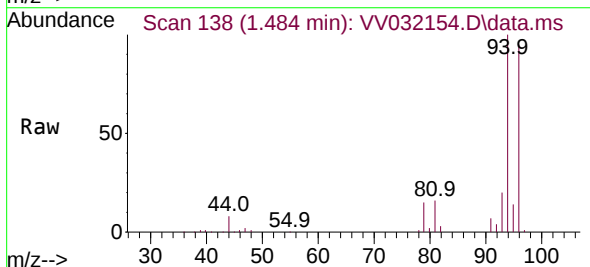
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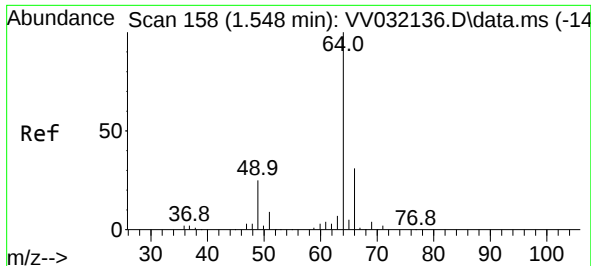
Tgt Ion: 62 Resp: 70623
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.6 43.8



#6
 Bromomethane
 Concen: 42.056 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV032154.D
 Acq: 22 Sep 2023 09:25

Tgt Ion: 94 Resp: 41766
 Ion Ratio Lower Upper
 94 100
 96 95.0 66.4 123.4

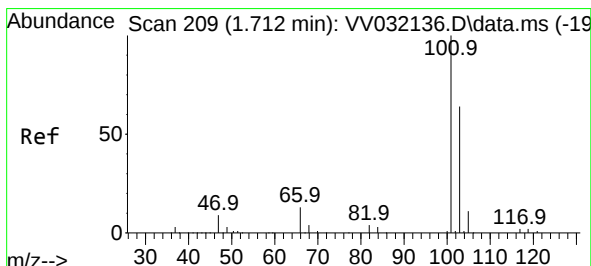
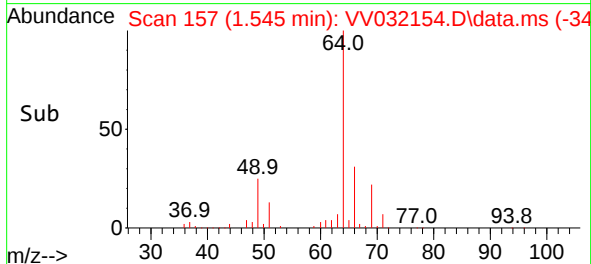
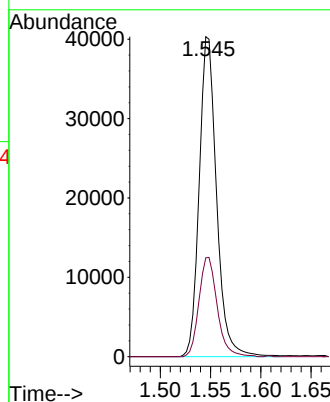
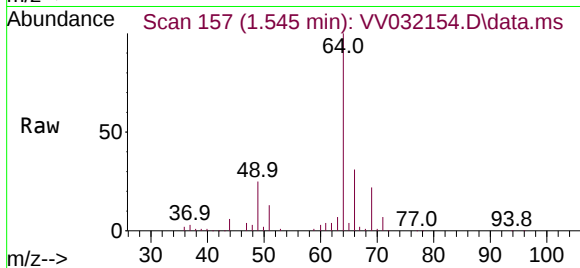




#8
Chloroethane
Concen: 43.108 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

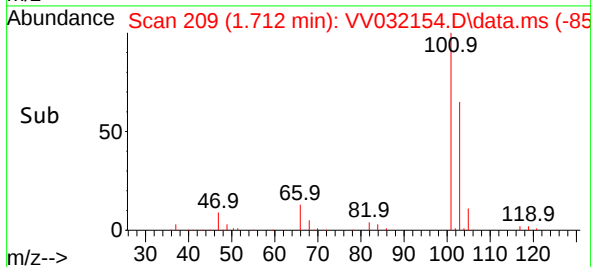
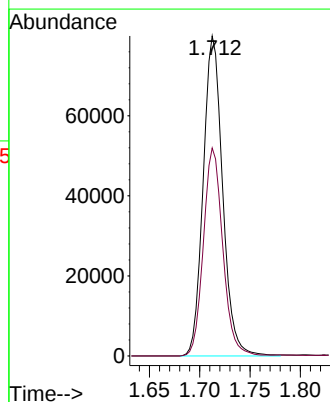
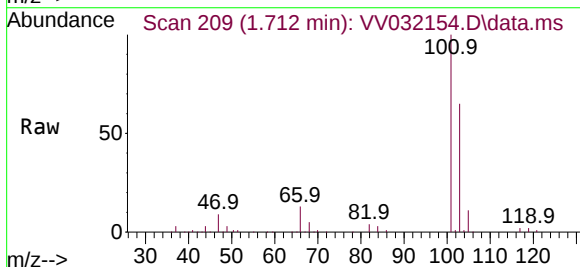
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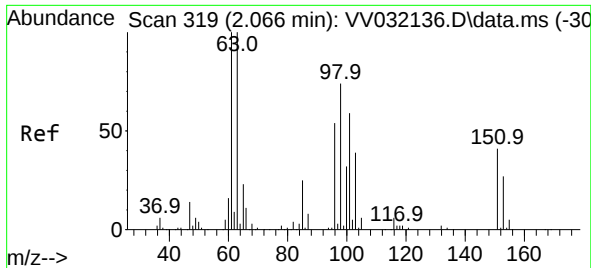
Tgt Ion: 64 Resp: 48321
Ion Ratio Lower Upper
64 100
66 30.9 23.2 43.2



#9
Trichlorofluoromethane
Concen: 43.720 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

Tgt Ion:101 Resp: 107495
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9

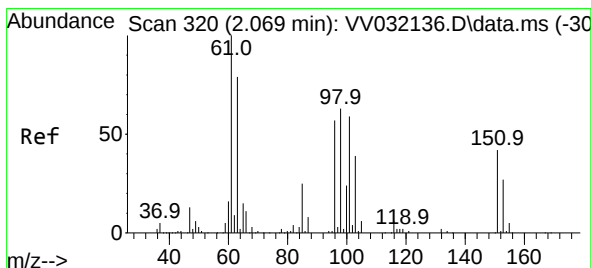
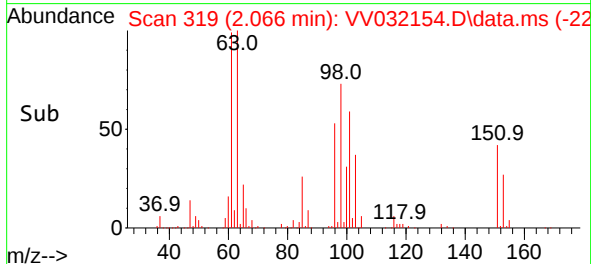
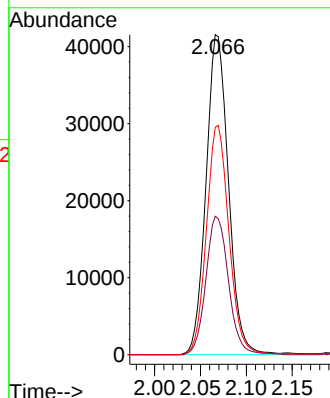
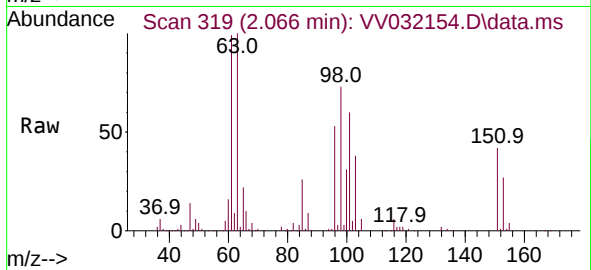




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.636 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VV032154.D
 Acq: 22 Sep 2023 09:25

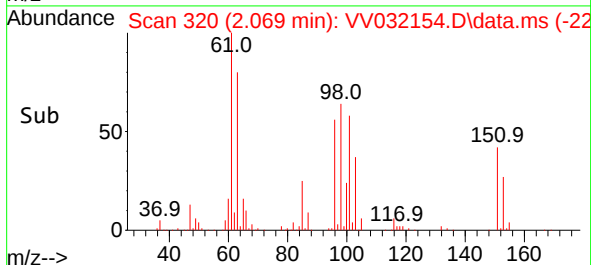
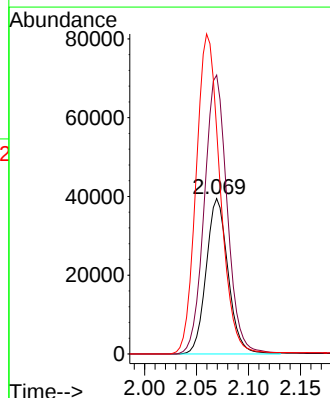
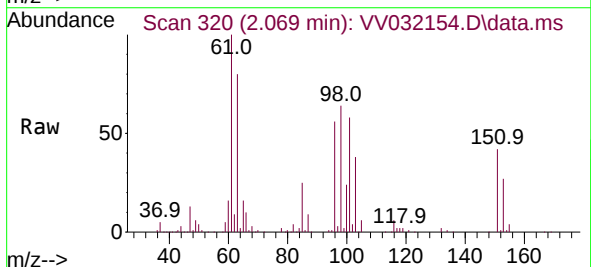
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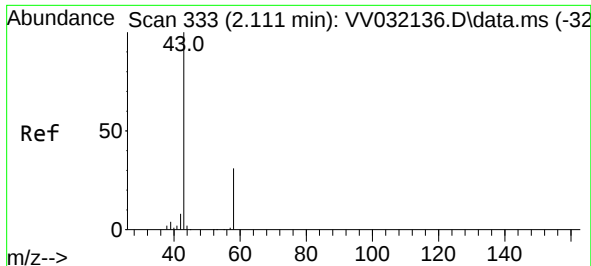
Tgt Ion:101 Resp: 70717
 Ion Ratio Lower Upper
 101 100
 85 43.6 35.8 53.8
 151 71.8 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 43.304 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV032154.D
 Acq: 22 Sep 2023 09:25

Tgt Ion: 96 Resp: 57742
 Ion Ratio Lower Upper
 96 100
 61 179.6 133.8 248.6
 63 144.2 115.2 214.0





#13

Acetone

Concen: 113.280 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

Instrument :

MSVOA_V

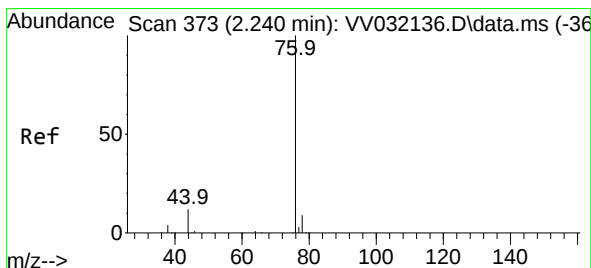
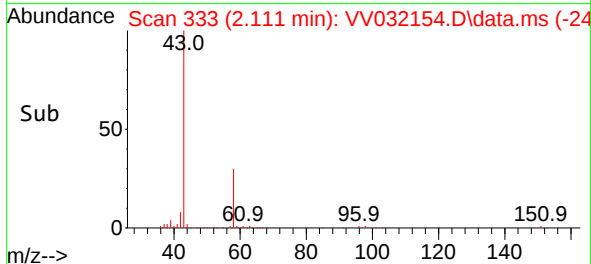
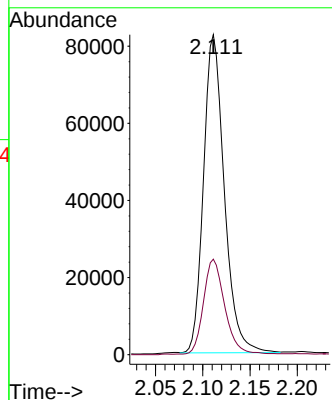
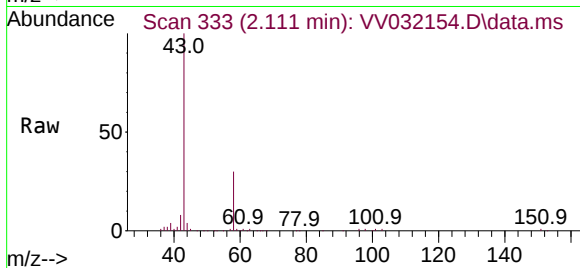
ClientSampleId :

Tgt Ion: 43 Resp: 126264

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.0



#14

Carbon disulfide

Concen: 36.988 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV032154.D

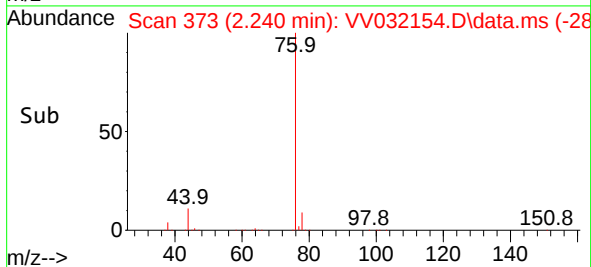
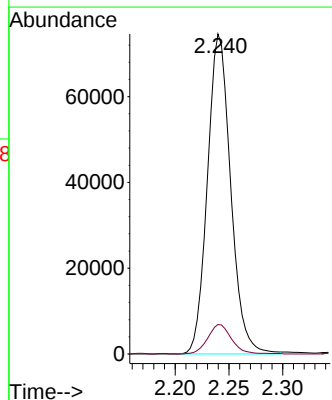
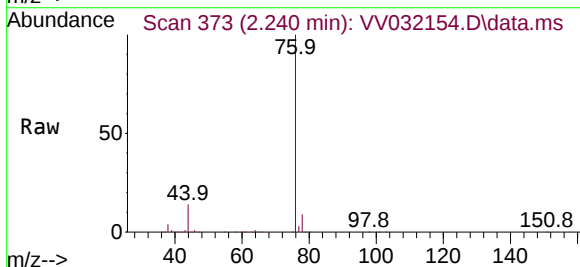
Acq: 22 Sep 2023 09:25

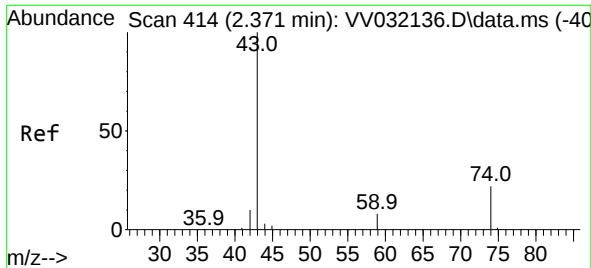
Tgt Ion: 76 Resp: 112381

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

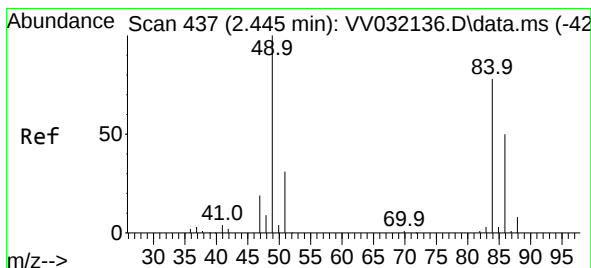
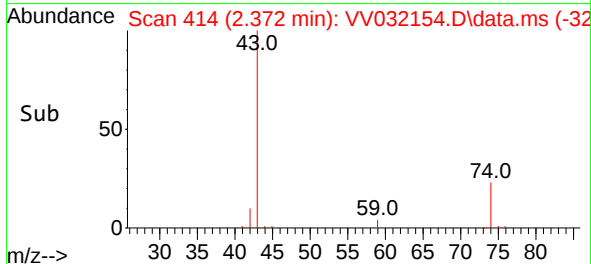
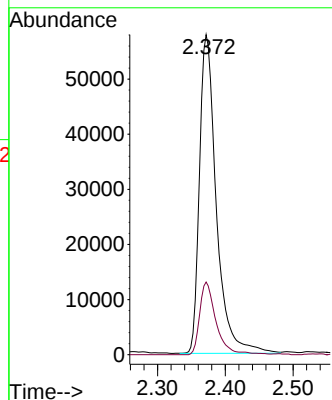
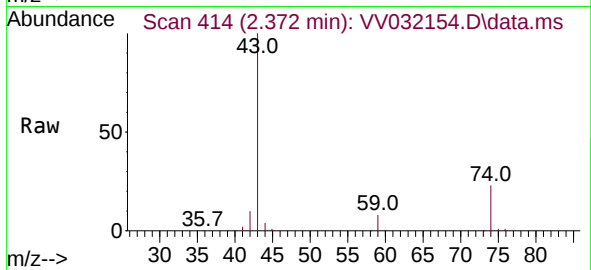




#15
Methyl Acetate
Concen: 50.305 ug/L
RT: 2.372 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

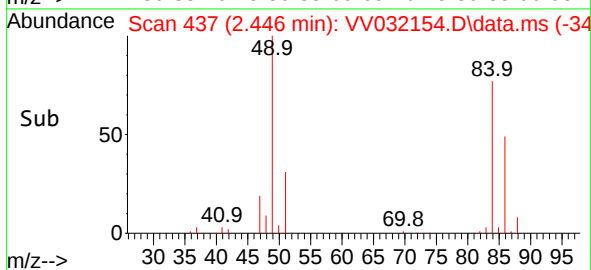
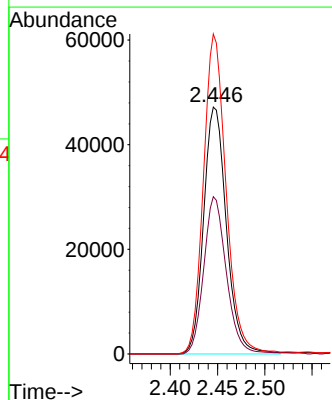
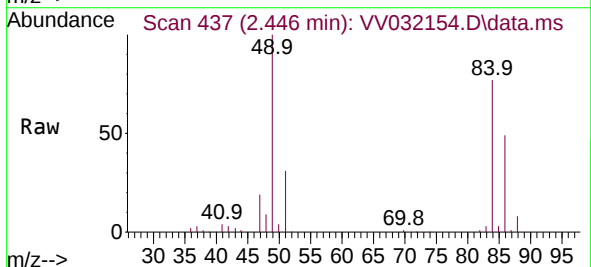
Instrument :
MSVOA_V
ClientSampleId :

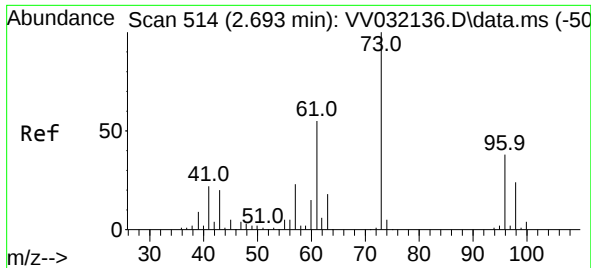
Tgt Ion: 43 Resp: 100001
Ion Ratio Lower Upper
43 100
74 21.4 17.9 26.9



#16
Methylene chloride
Concen: 46.170 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

Tgt Ion: 84 Resp: 79112
Ion Ratio Lower Upper
84 100
86 63.7 44.6 82.8
49 129.6 91.6 170.2



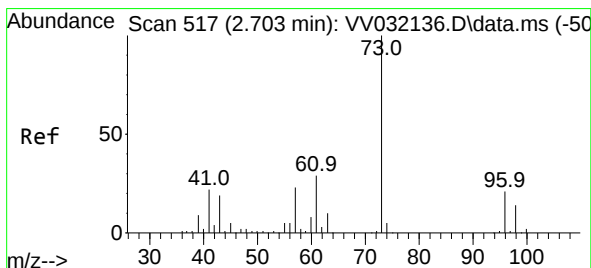
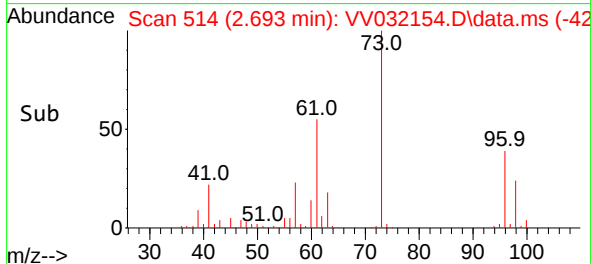
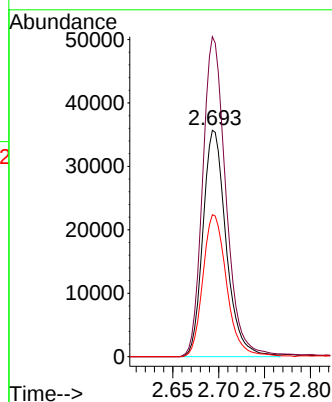
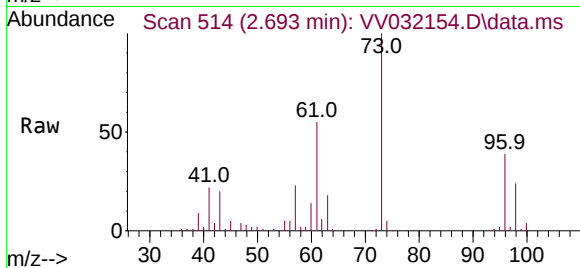


#17
 trans-1,2-Dichloroethene
 Concen: 43.024 ug/L
 RT: 2.693 min Scan# 514
 Delta R.T. 0.000 min
 Lab File: VV032154.D
 Acq: 22 Sep 2023 09:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 96 Resp: 62895

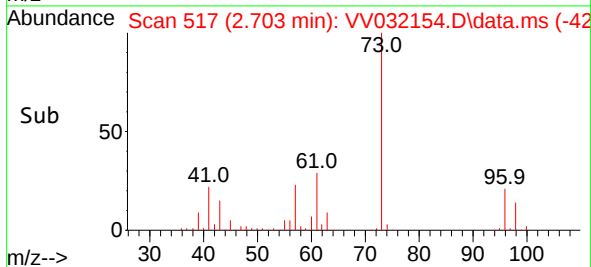
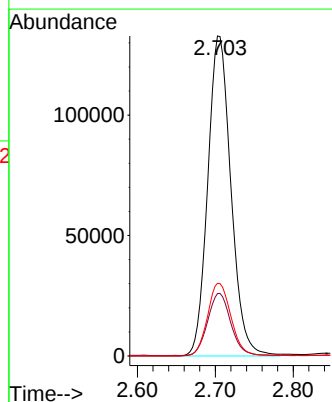
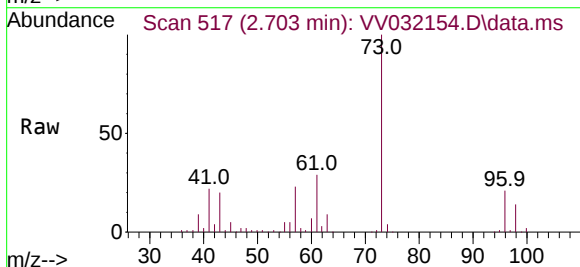
Ion	Ratio	Lower	Upper
96	100		
61	141.3	107.3	199.3
98	62.7	46.3	85.9

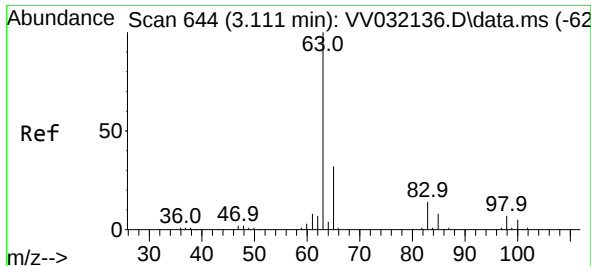


#18
 Methyl tert-butyl Ether
 Concen: 44.526 ug/L
 RT: 2.703 min Scan# 517
 Delta R.T. 0.000 min
 Lab File: VV032154.D
 Acq: 22 Sep 2023 09:25

Tgt Ion: 73 Resp: 275093

Ion	Ratio	Lower	Upper
73	100		
43	19.2	16.6	25.0
57	23.1	17.6	26.4





#19

1,1-Dichloroethane

Concen: 46.207 ug/L

RT: 3.111 min Scan# 644

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

Instrument :

MSVOA_V

ClientSampleId :

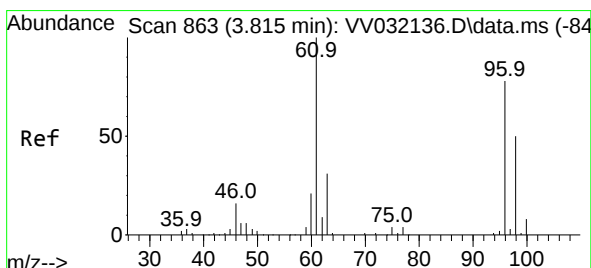
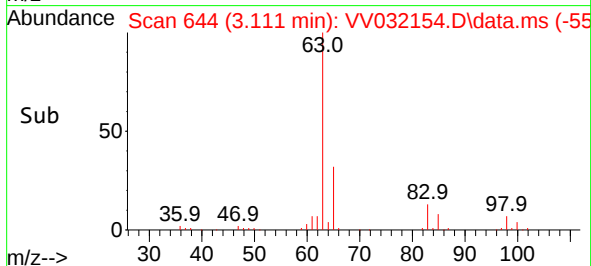
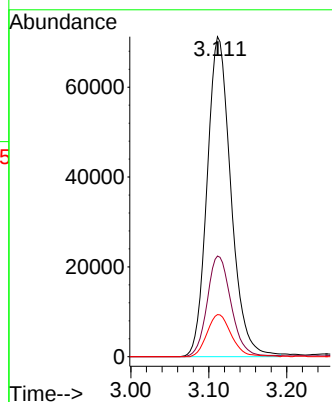
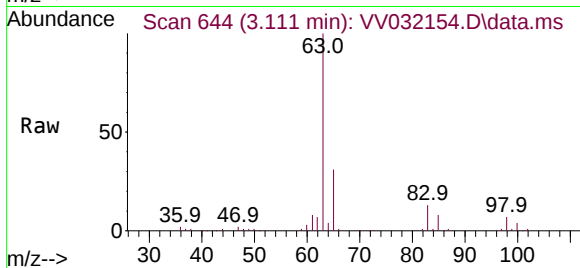
Tgt Ion: 63 Resp: 151379

Ion Ratio Lower Upper

63 100

65 31.4 22.4 41.6

83 13.2 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 45.895 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

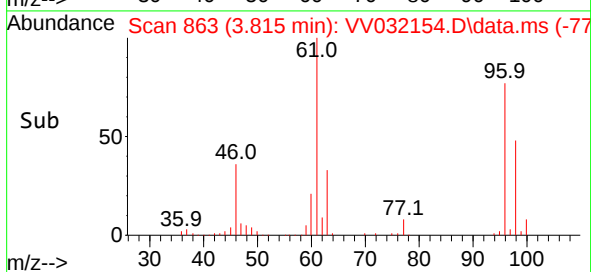
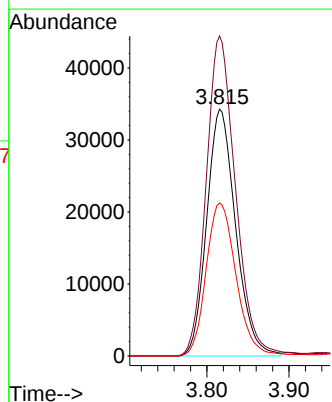
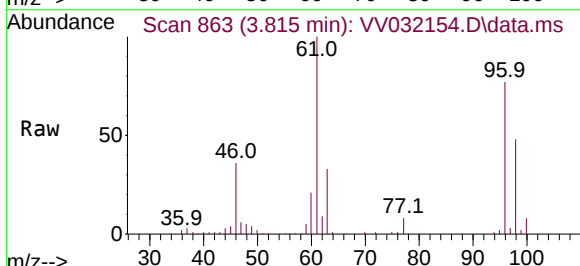
Tgt Ion: 96 Resp: 84173

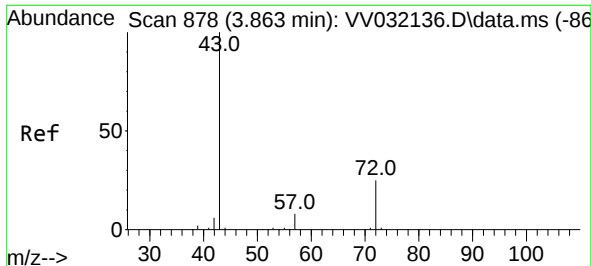
Ion Ratio Lower Upper

96 100

61 129.6 97.3 180.7

98 61.9 45.3 84.1

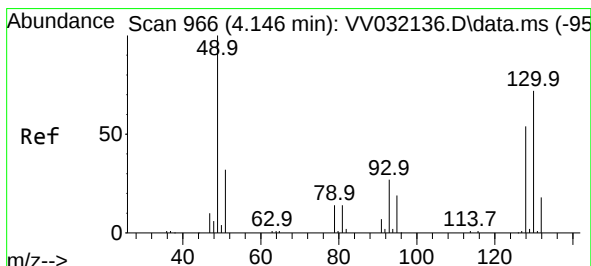
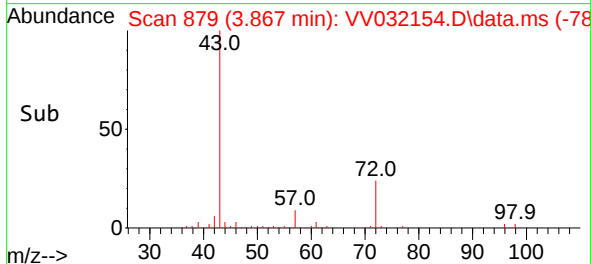
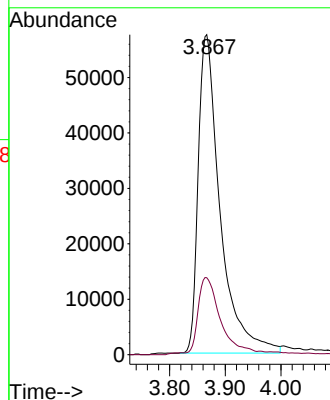
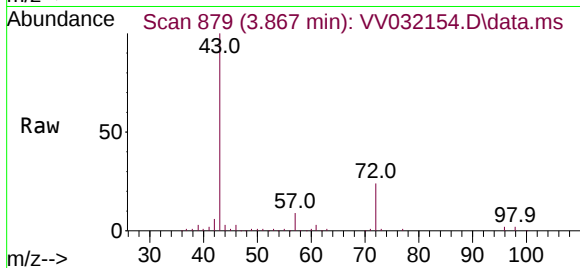




#22
2-Butanone
Concen: 106.682 ug/L
RT: 3.867 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

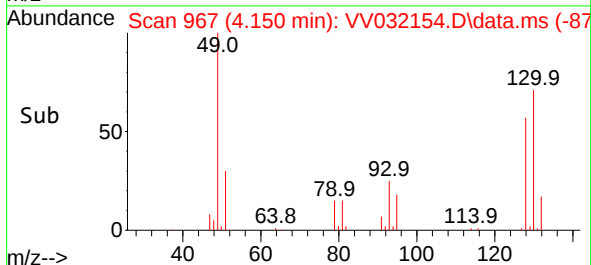
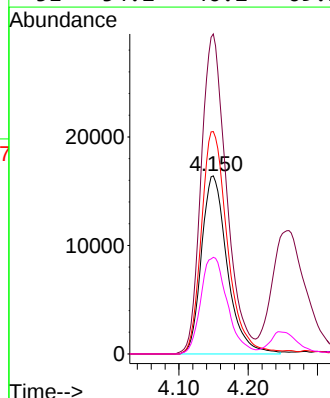
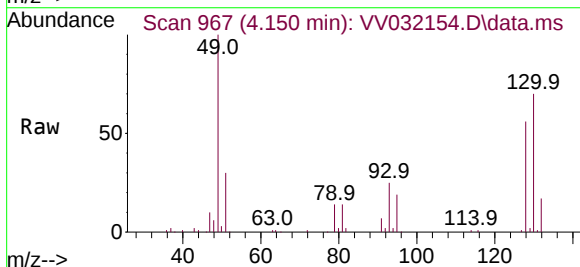
Instrument :
MSVOA_V
ClientSampleId :

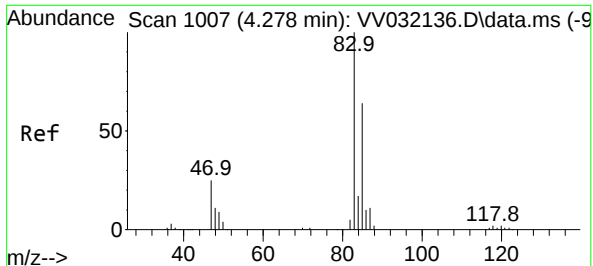
Tgt Ion: 43 Resp: 157344
Ion Ratio Lower Upper
43 100
72 23.6 12.6 37.8



#23
Bromochloromethane
Concen: 47.544 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

Tgt Ion:128 Resp: 42305
Ion Ratio Lower Upper
128 100
49 179.6 127.8 237.4
130 124.9 90.1 167.3
51 54.2 46.2 69.2





#25

Chloroform

Concen: 45.894 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

Instrument :

MSVOA_V

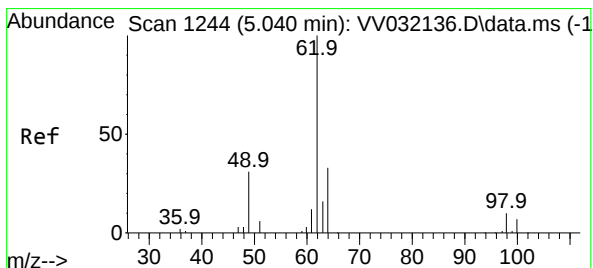
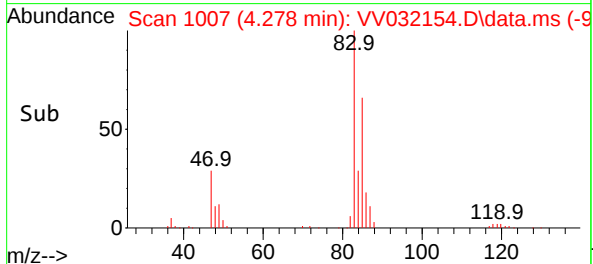
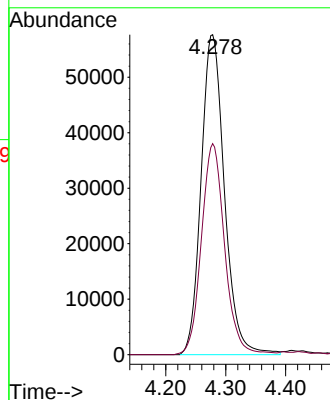
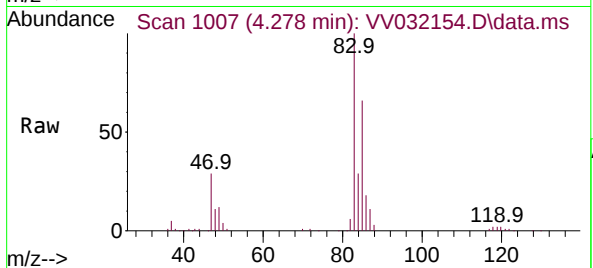
ClientSampleId :

Tgt Ion: 83 Resp: 156328

Ion Ratio Lower Upper

83 100

85 66.0 44.9 83.3



#27

1,2-Dichloroethane

Concen: 41.735 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VV032154.D

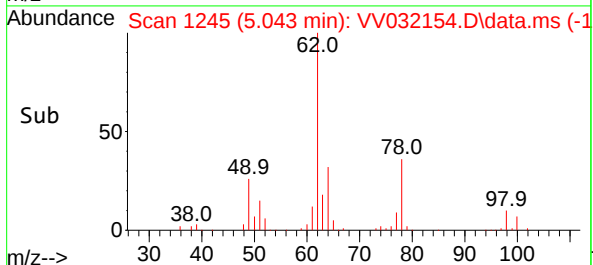
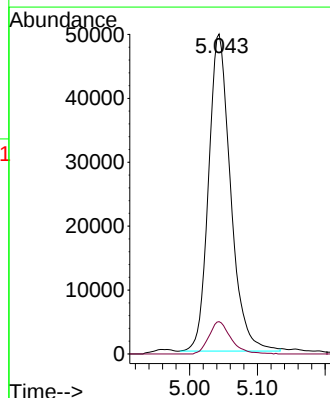
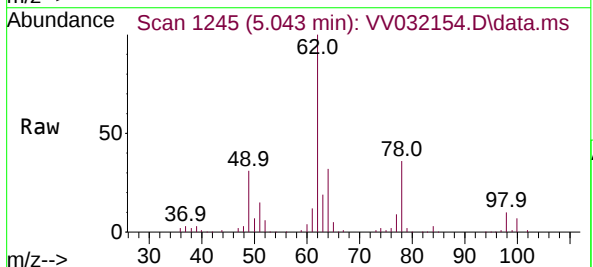
Acq: 22 Sep 2023 09:25

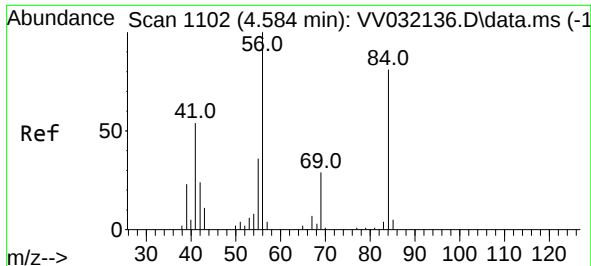
Tgt Ion: 62 Resp: 111997

Ion Ratio Lower Upper

62 100

98 10.1 7.0 10.4





#29

Cyclohexane

Concen: 41.332 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

Instrument :

MSVOA_V

ClientSampleId :

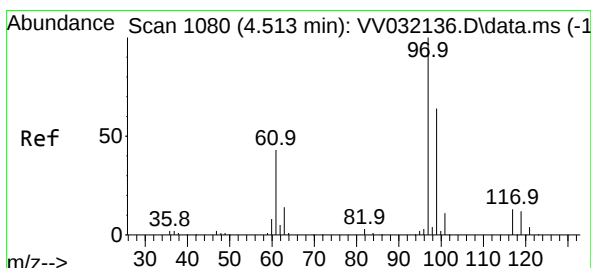
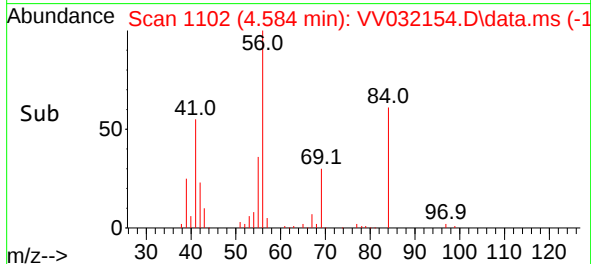
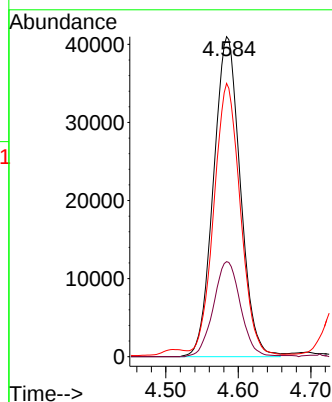
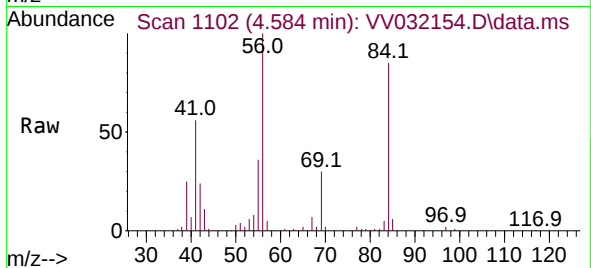
Tgt Ion: 56 Resp: 105368

Ion Ratio Lower Upper

56 100

69 29.9 24.2 36.4

84 83.1 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 44.021 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

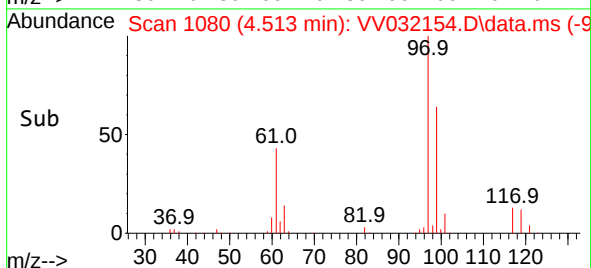
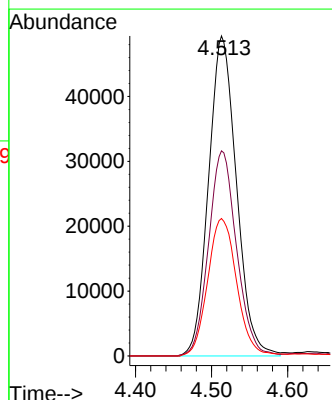
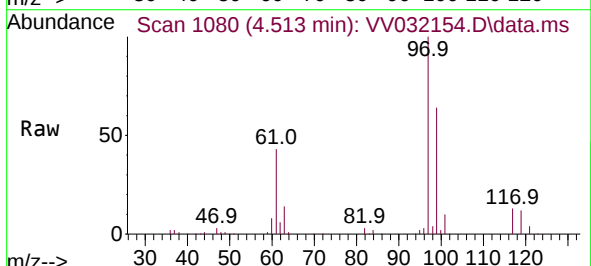
Tgt Ion: 97 Resp: 125722

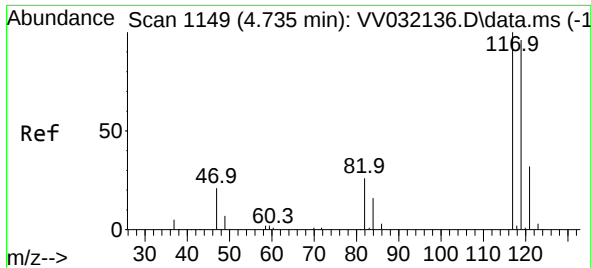
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 44.8 36.5 54.7

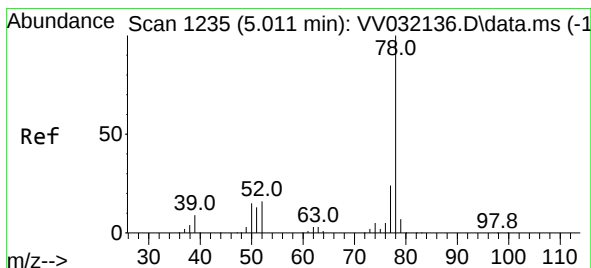
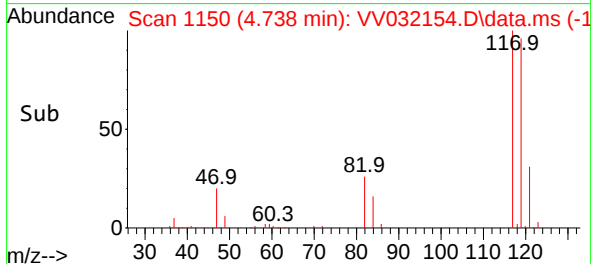
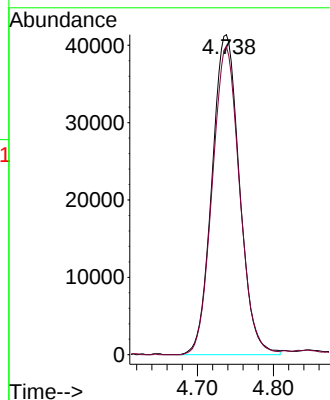
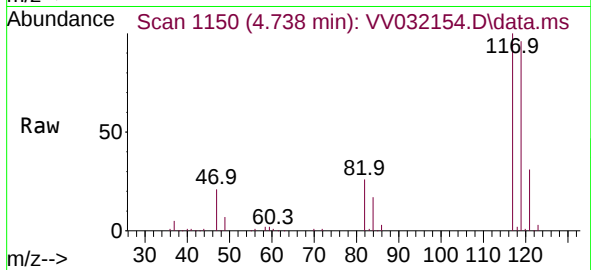




#31
Carbon tetrachloride
Concen: 42.850 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

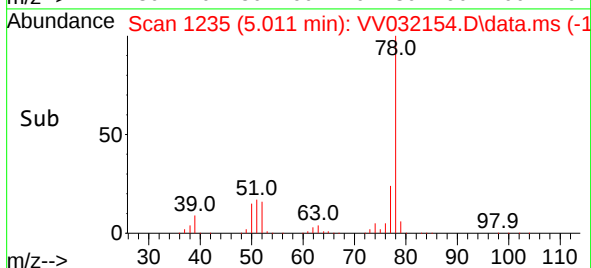
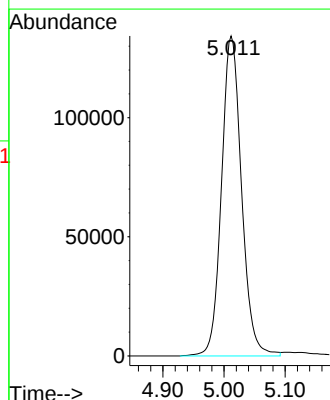
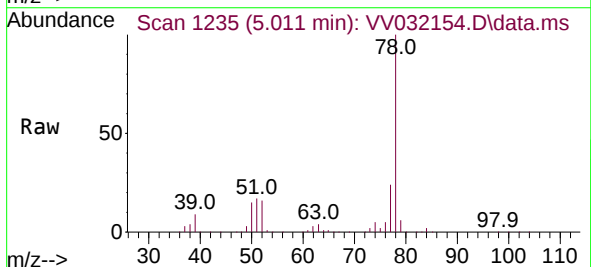
Instrument :
MSVOA_V
ClientSampleId :

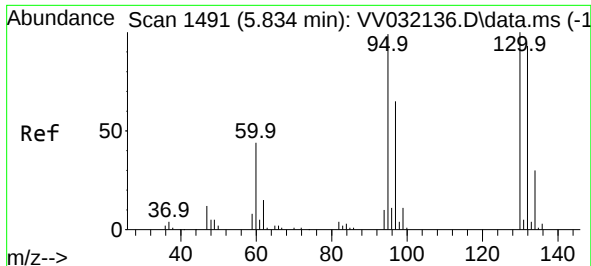
Tgt Ion:117 Resp: 103915
Ion Ratio Lower Upper
117 100
119 95.5 75.4 113.2



#33
Benzene
Concen: 46.518 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

Tgt Ion: 78 Resp: 306036

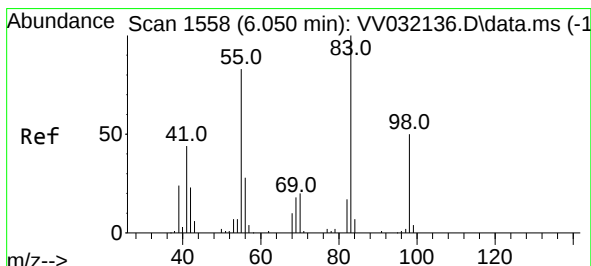
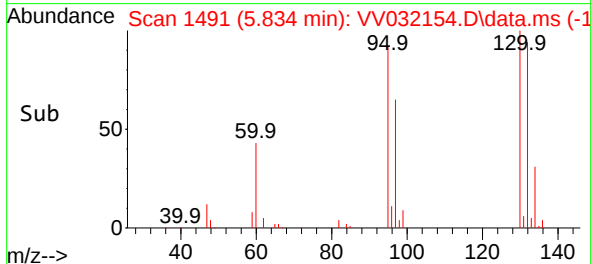
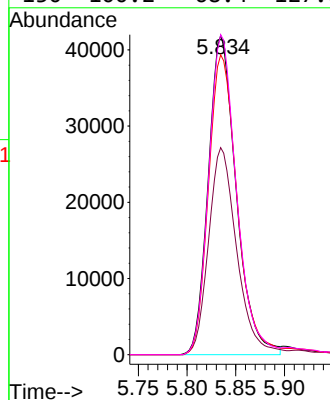
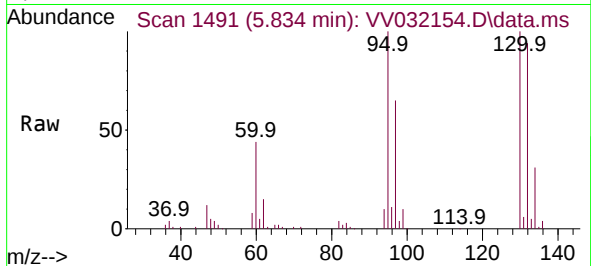




#34
Trichloroethene
Concen: 41.511 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

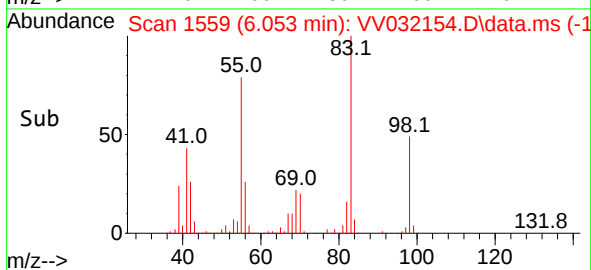
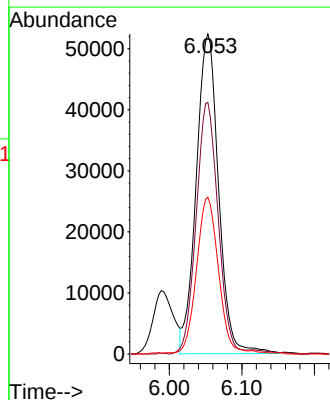
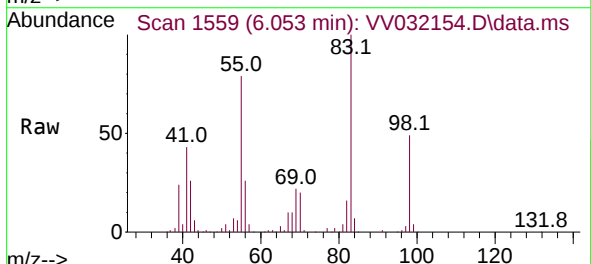
Instrument :
MSVOA_V
ClientSampleId :

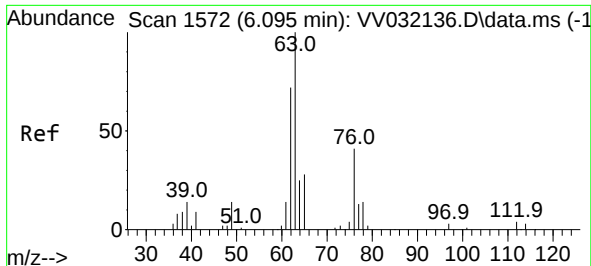
Tgt Ion: 95 Resp: 83521
Ion Ratio Lower Upper
95 100
97 64.8 45.4 84.2
132 93.9 65.4 121.4
130 100.2 68.4 127.0



#35
Methylcyclohexane
Concen: 41.974 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

Tgt Ion: 83 Resp: 112330
Ion Ratio Lower Upper
83 100
55 76.9 62.2 93.2
98 46.9 36.7 55.1





#37

1,2-Dichloropropane

Concen: 49.117 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

Instrument :

MSVOA_V

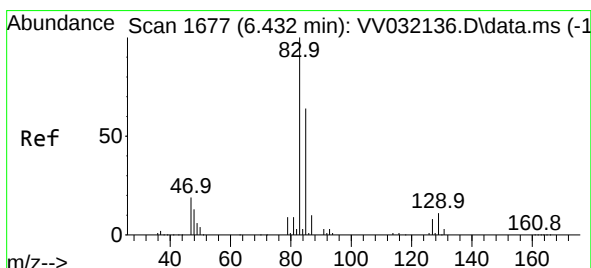
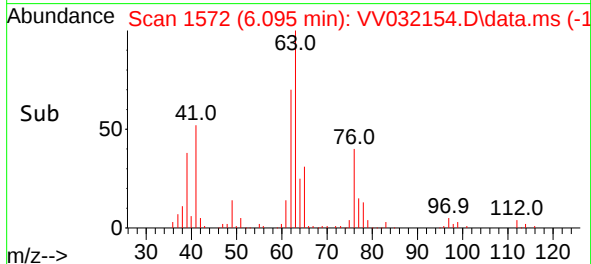
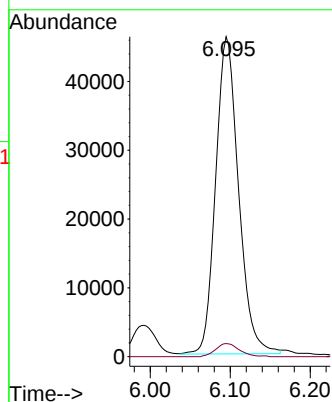
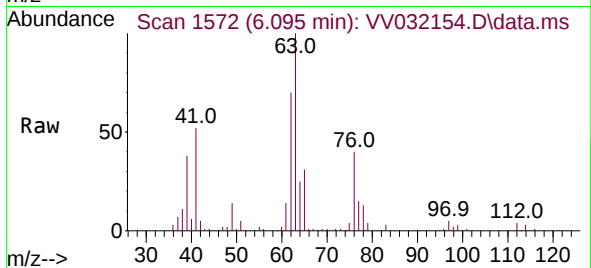
ClientSampleId :

Tgt Ion: 63 Resp: 91590

Ion Ratio Lower Upper

63 100

112 4.2 3.5 5.3



#38

Bromodichloromethane

Concen: 45.882 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

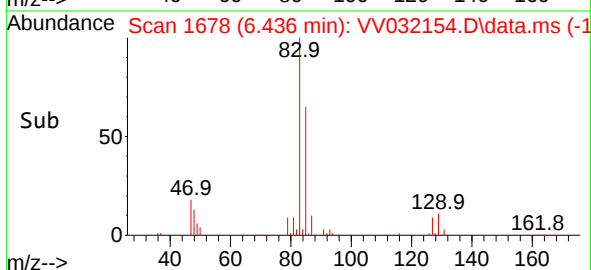
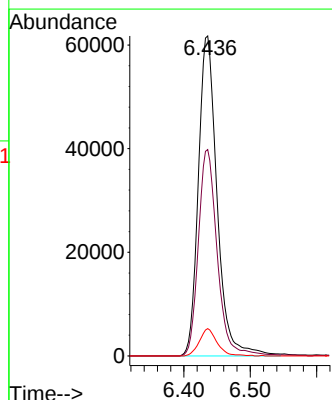
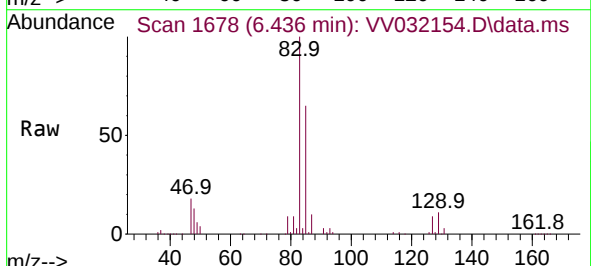
Tgt Ion: 83 Resp: 121443

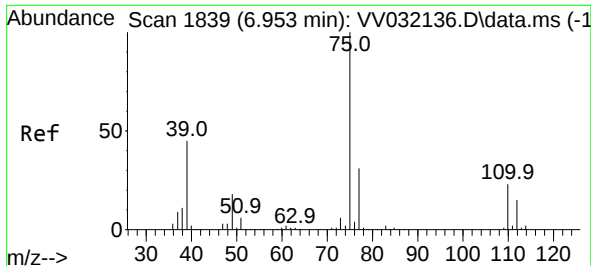
Ion Ratio Lower Upper

83 100

85 64.5 45.2 84.0

127 8.6 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 43.913 ug/L

RT: 6.957 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

Instrument :

MSVOA_V

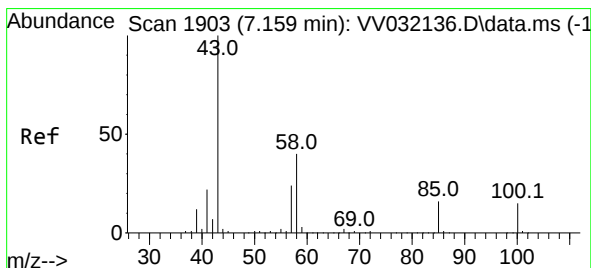
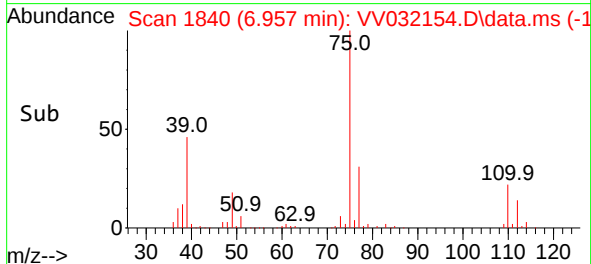
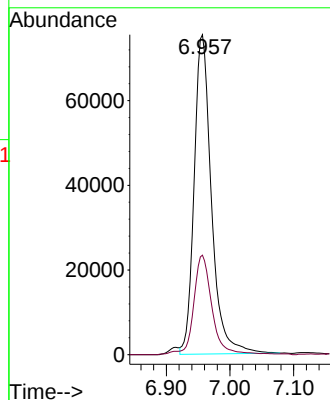
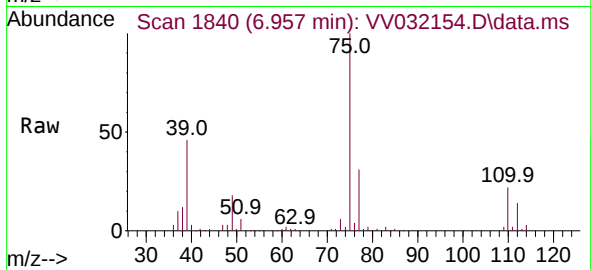
ClientSampleId :

Tgt Ion: 75 Resp: 142366

Ion Ratio Lower Upper

75 100

77 31.1 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 97.543 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

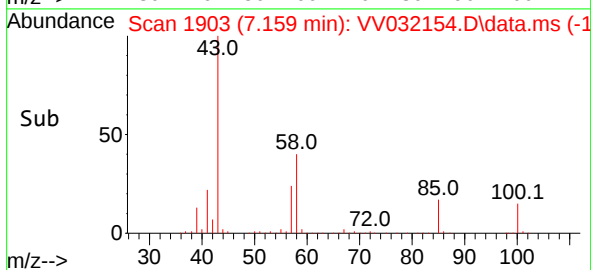
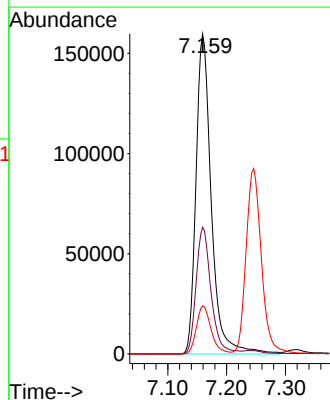
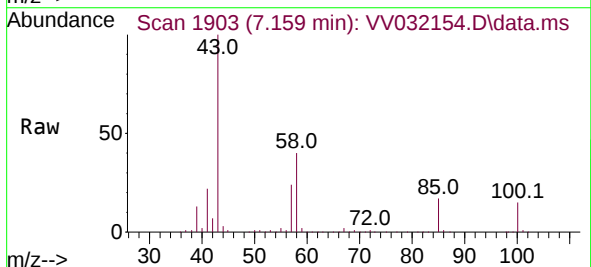
Tgt Ion: 43 Resp: 288699

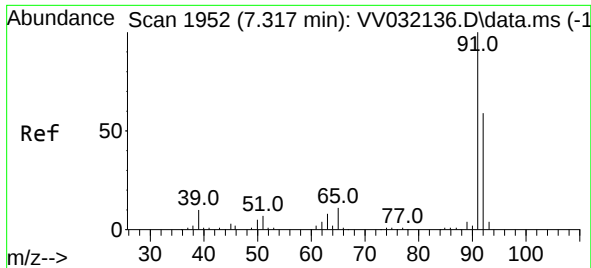
Ion Ratio Lower Upper

43 100

58 38.7 31.1 46.7

100 14.5 11.9 17.9





#42

Toluene

Concen: 45.279 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

Instrument :

MSVOA_V

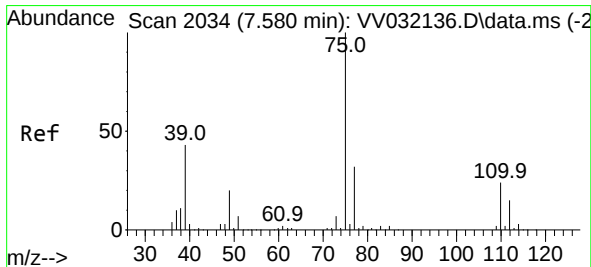
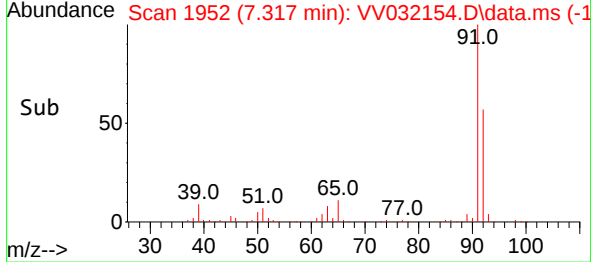
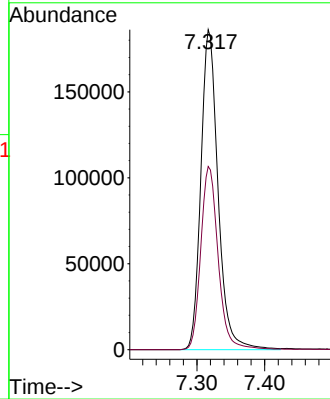
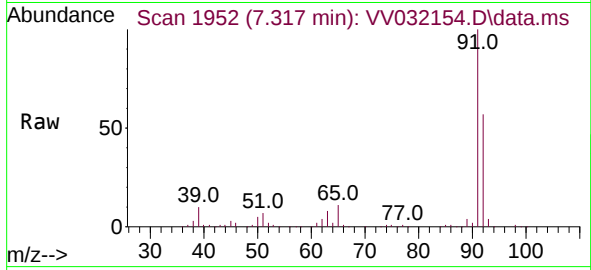
ClientSampleId :

Tgt Ion: 91 Resp: 327675

Ion Ratio Lower Upper

91 100

92 57.3 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 43.577 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV032154.D

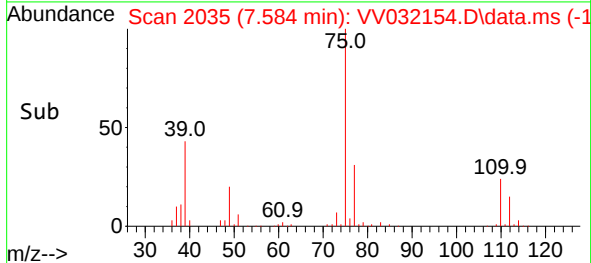
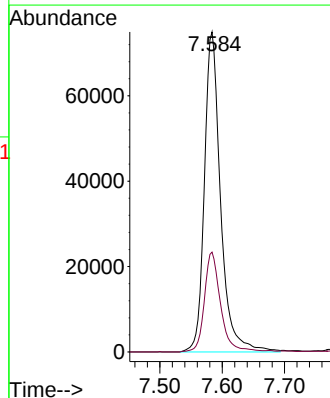
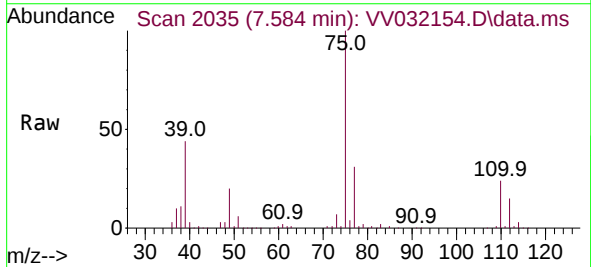
Acq: 22 Sep 2023 09:25

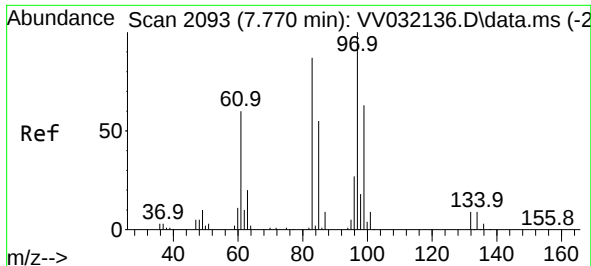
Tgt Ion: 75 Resp: 135743

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 48.940 ug/L

RT: 7.770 min Scan# 2093

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 92199

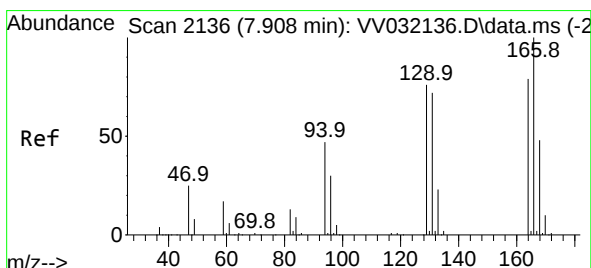
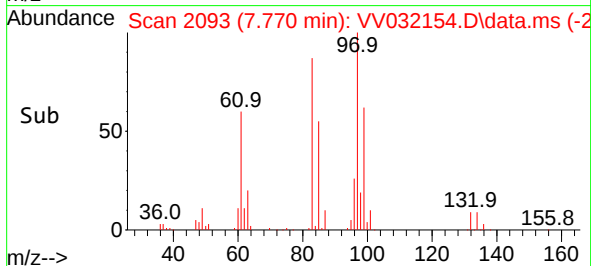
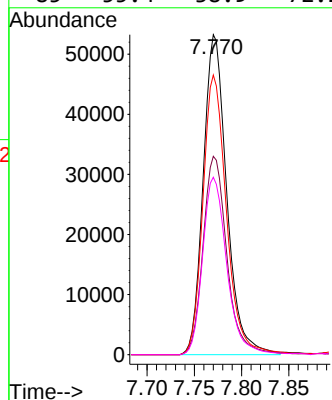
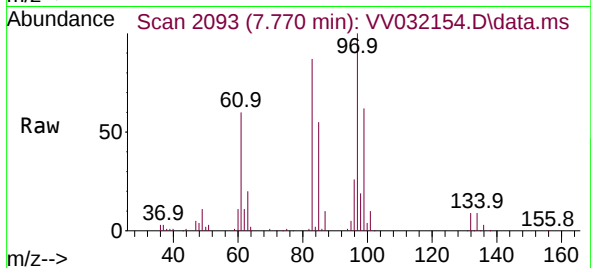
Ion Ratio Lower Upper

97 100

99 62.0 43.0 79.8

83 87.4 61.2 113.6

85 55.4 38.9 72.2



#46

Tetrachloroethene

Concen: 45.368 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

Tgt Ion:164 Resp: 57316

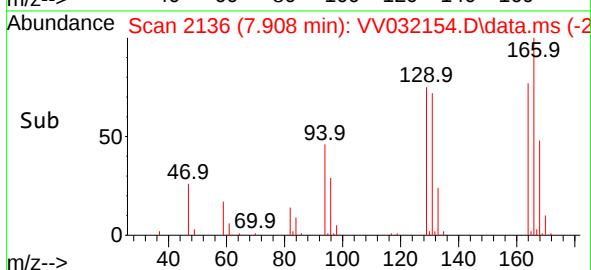
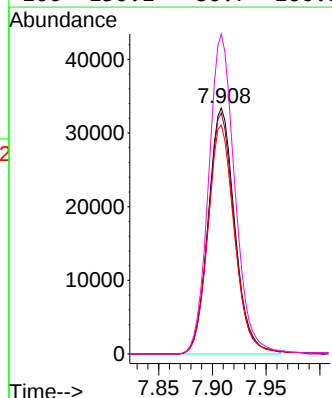
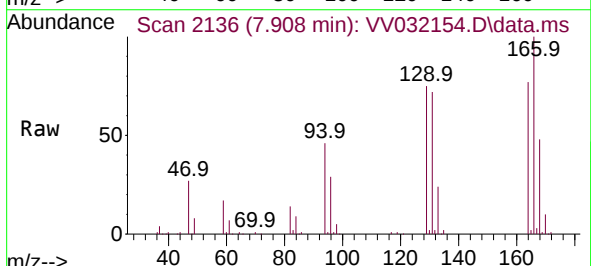
Ion Ratio Lower Upper

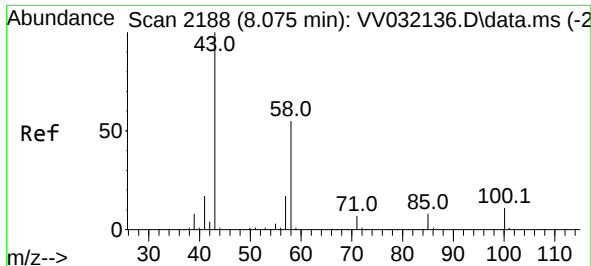
164 100

129 98.0 68.3 126.9

131 93.1 64.9 120.5

166 130.1 86.7 160.9

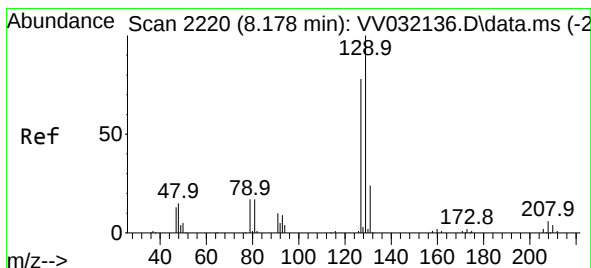
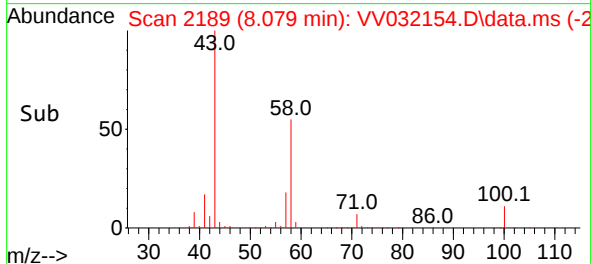
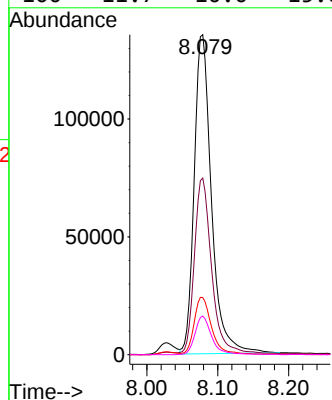
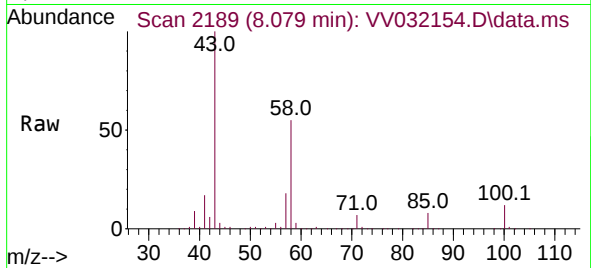




#48
2-Hexanone
Concen: 101.667 ug/L
RT: 8.079 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

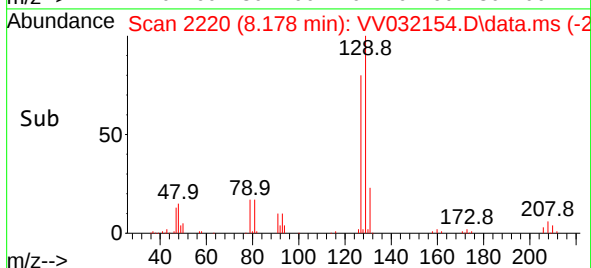
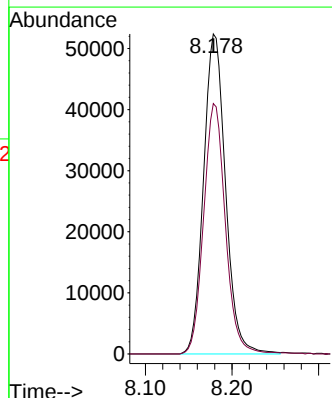
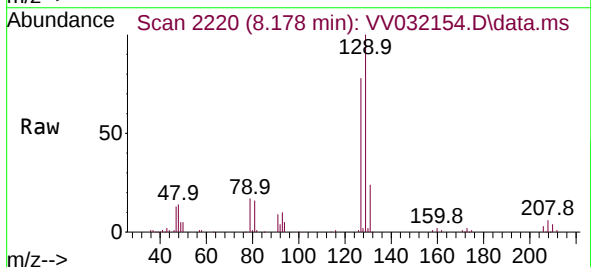
Instrument :
MSVOA_V
ClientSampleId :

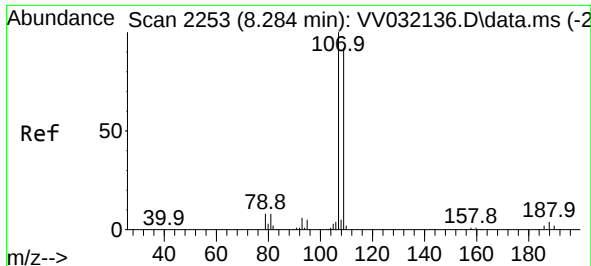
Tgt Ion: 43 Resp: 229792
Ion Ratio Lower Upper
43 100
58 54.5 44.0 66.0
57 18.2 15.9 23.9
100 11.7 10.0 15.0



#49
Dibromochloromethane
Concen: 47.747 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

Tgt Ion:129 Resp: 92434
Ion Ratio Lower Upper
129 100
127 78.2 54.7 101.7





#50

1,2-Dibromoethane

Concen: 47.016 ug/L

RT: 8.285 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV032154.D

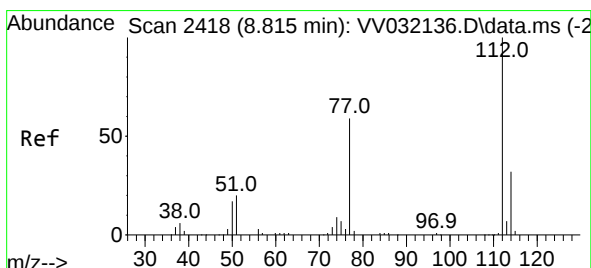
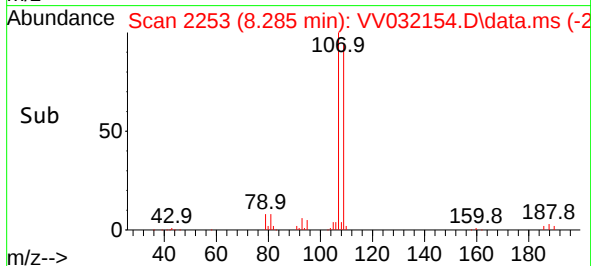
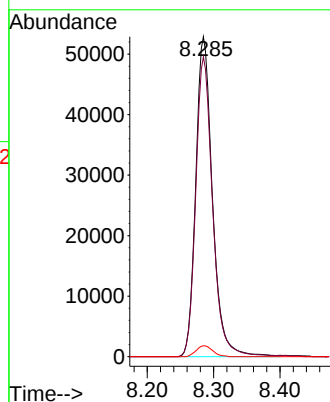
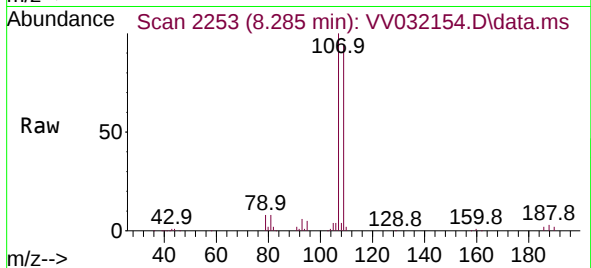
Acq: 22 Sep 2023 09:25

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	92772
Ion	Ratio	Lower	Upper
107	100		
109	93.7	65.4	121.4
188	3.4	2.8	4.2



#51

Chlorobenzene

Concen: 46.366 ug/L

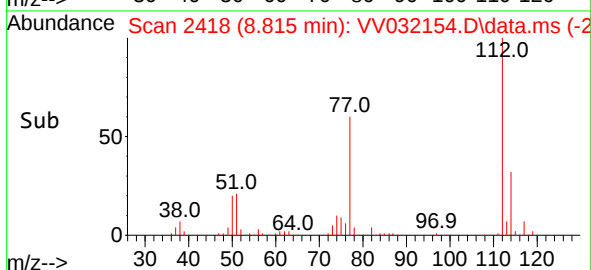
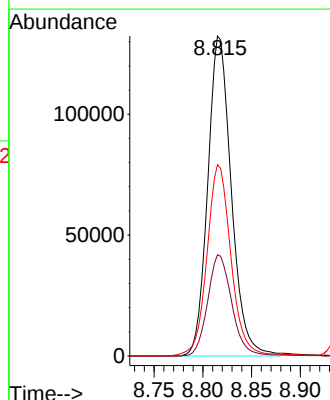
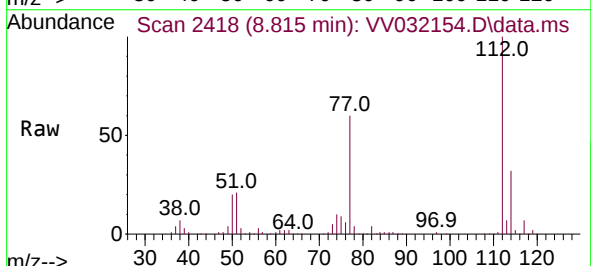
RT: 8.815 min Scan# 2418

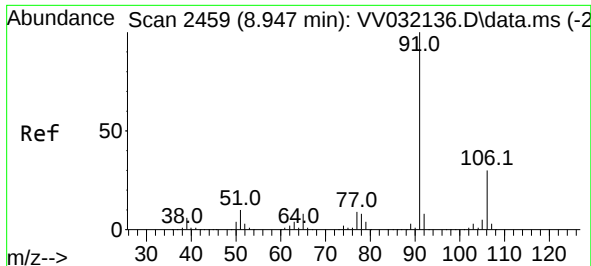
Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

Tgt Ion:	112	Resp:	222957
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.0	40.8
77	59.7	49.4	74.0

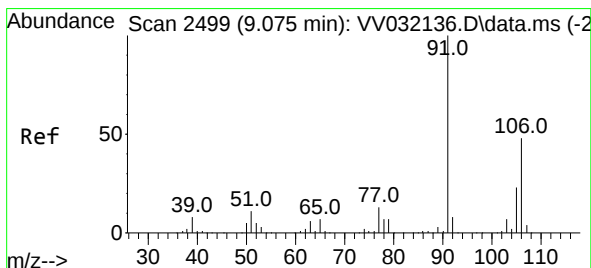
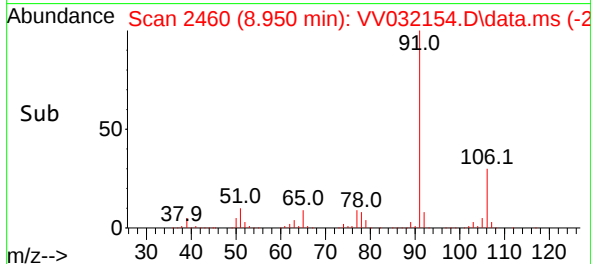
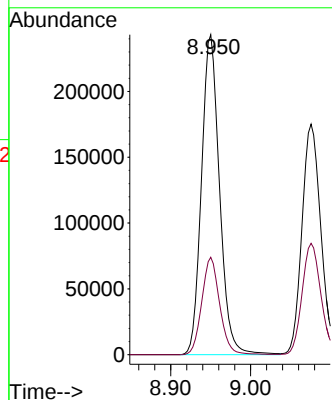
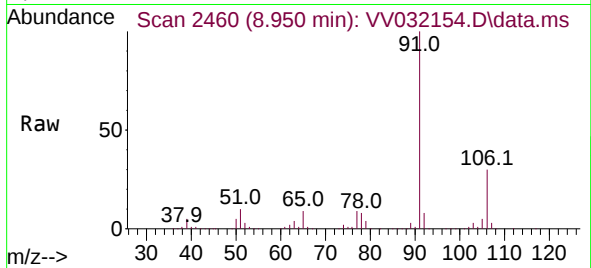




#52
Ethylbenzene
Concen: 44.624 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

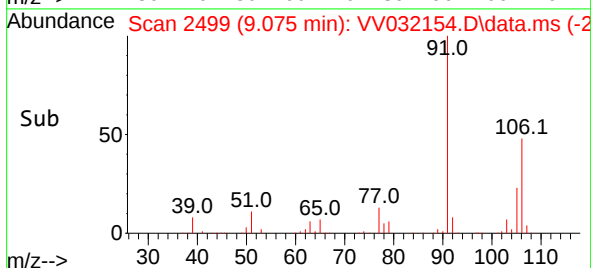
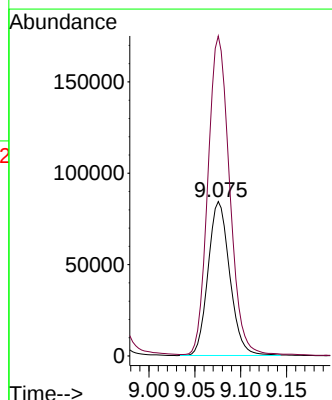
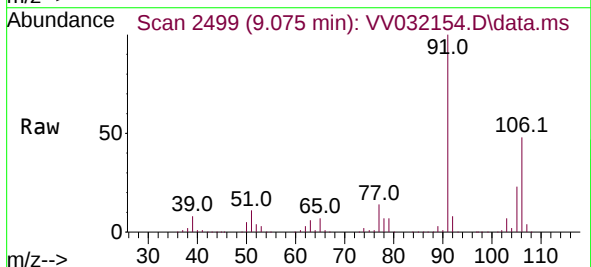
Instrument :
MSVOA_V
ClientSampleId :

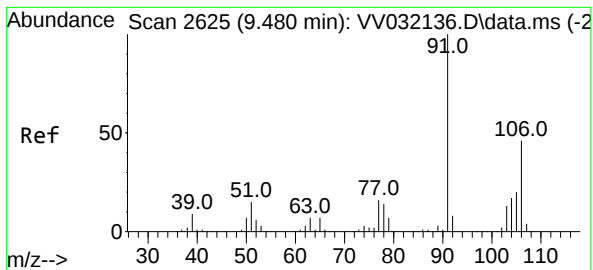
Tgt Ion: 91 Resp: 382532
Ion Ratio Lower Upper
91 100
106 30.5 21.5 39.9



#53
m,p-Xylene
Concen: 43.515 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

Tgt Ion:106 Resp: 138505
Ion Ratio Lower Upper
106 100
91 207.2 147.0 273.0





#54

o-Xylene

Concen: 44.726 ug/L

RT: 9.481 min Scan# 2625

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

Instrument :

MSVOA_V

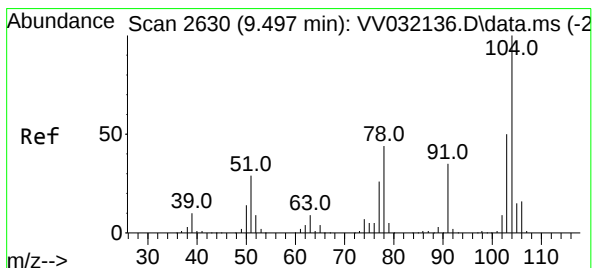
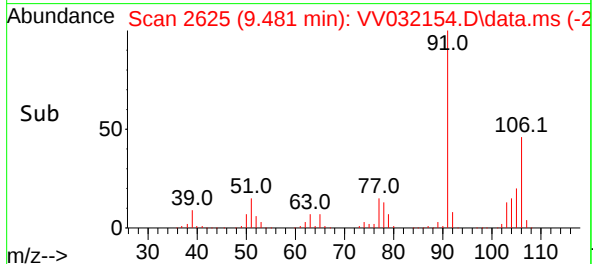
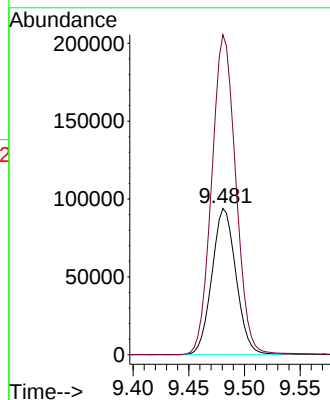
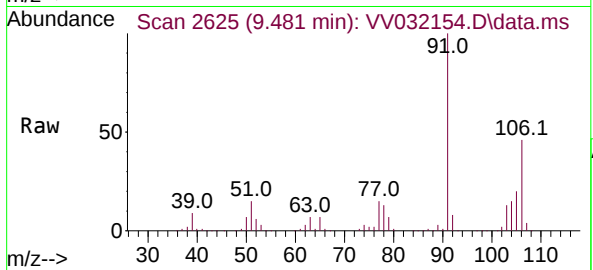
ClientSampleId :

Tgt Ion:106 Resp: 141587

Ion Ratio Lower Upper

106 100

91 218.7 154.3 286.5



#55

Styrene

Concen: 45.609 ug/L

RT: 9.497 min Scan# 2630

Delta R.T. 0.000 min

Lab File: VV032154.D

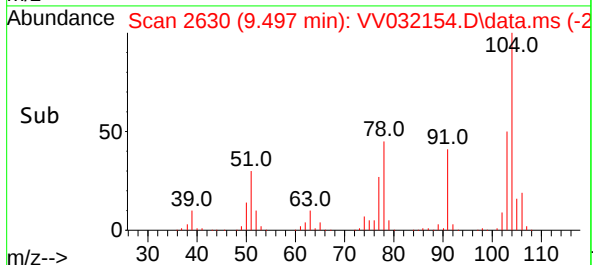
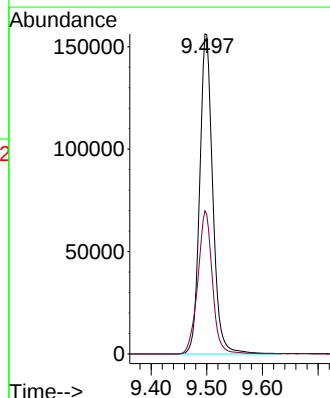
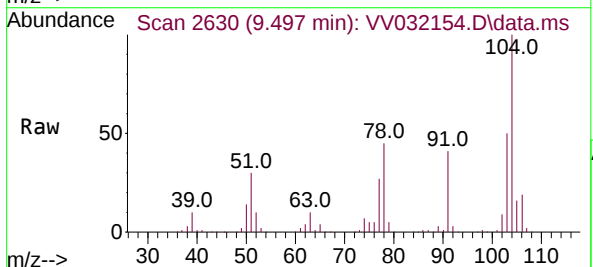
Acq: 22 Sep 2023 09:25

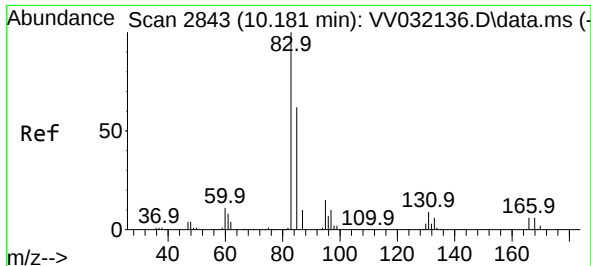
Tgt Ion:104 Resp: 255241

Ion Ratio Lower Upper

104 100

78 44.8 32.3 59.9

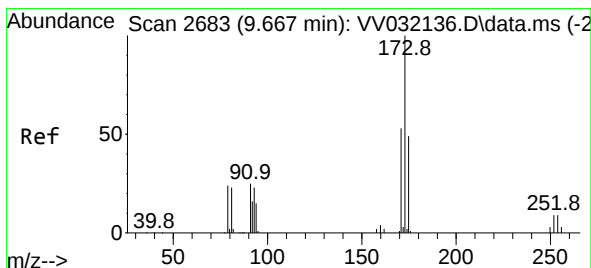
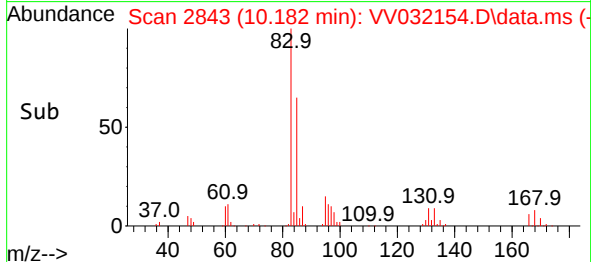
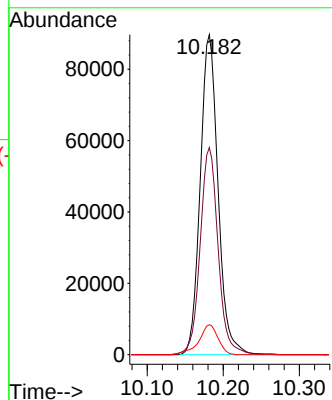
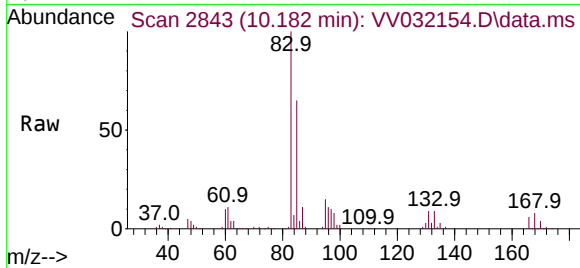




#57
1,1,2,2-Tetrachloroethane
Concen: 54.681 ug/L
RT: 10.182 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

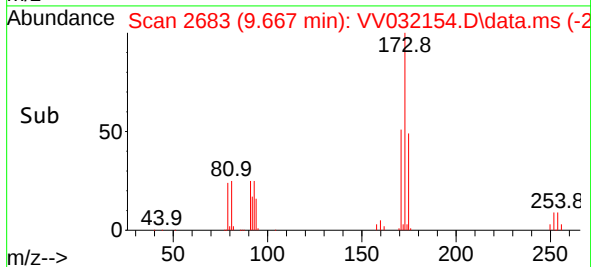
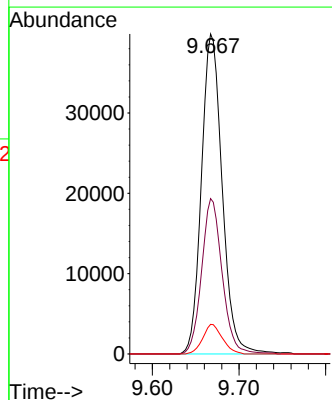
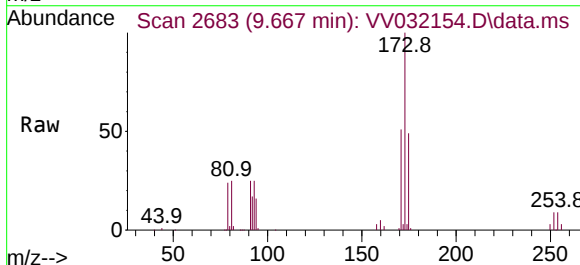
Instrument :
MSVOA_V
ClientSampleId :

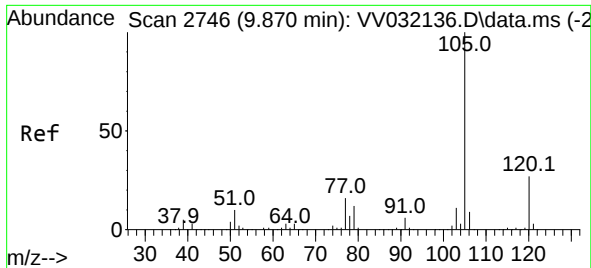
Tgt Ion: 83 Resp: 145828
Ion Ratio Lower Upper
83 100
85 64.7 45.1 83.9
131 9.4 7.4 11.2



#59
Bromoform
Concen: 47.490 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

Tgt Ion: 173 Resp: 66319
Ion Ratio Lower Upper
173 100
175 48.0 38.3 57.5
254 8.7 6.9 10.3

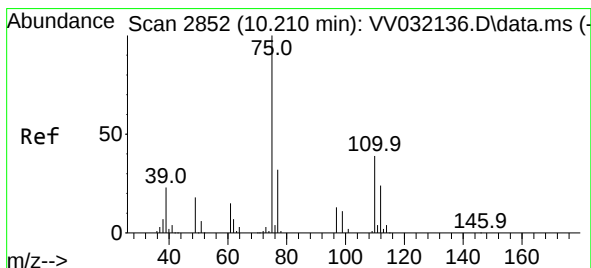
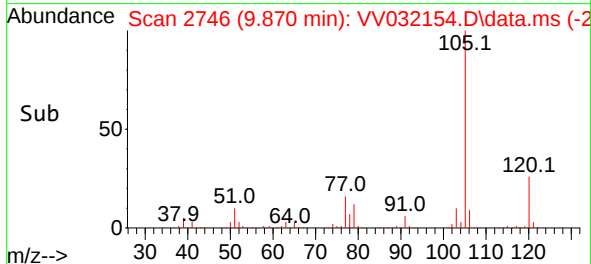
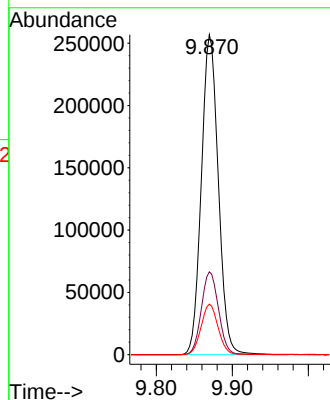
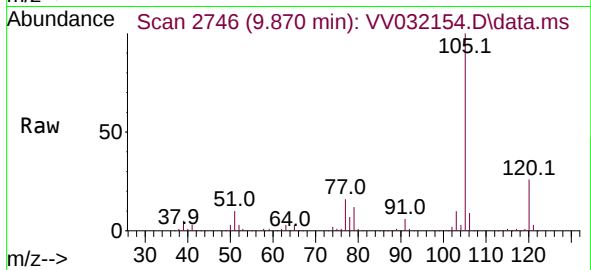




#60
Isopropylbenzene
Concen: 44.103 ug/L
RT: 9.870 min Scan# 2746
Delta R.T. 0.000 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

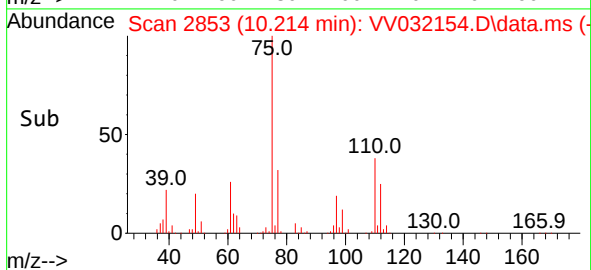
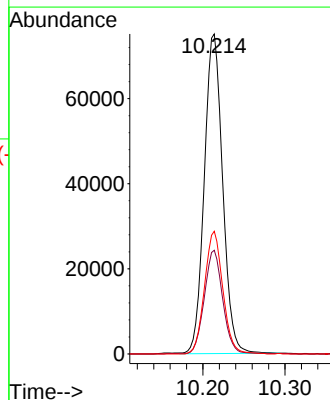
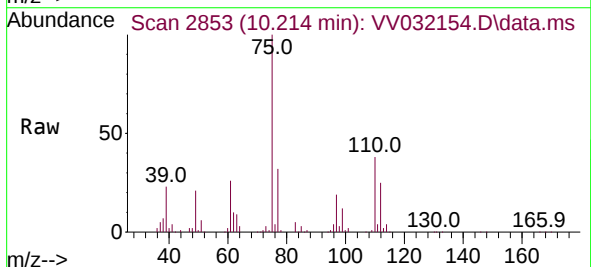
Instrument :
MSVOA_V
ClientSampleId :

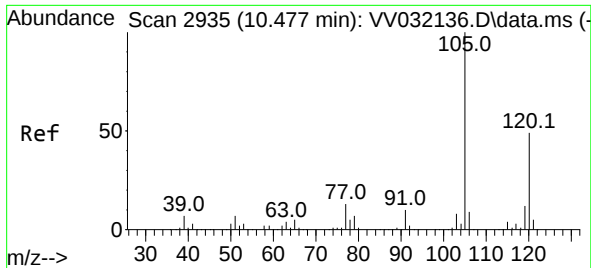
Tgt Ion:105 Resp: 397800
Ion Ratio Lower Upper
105 100
120 26.2 20.6 31.0
77 15.8 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 45.984 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.003 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

Tgt Ion: 75 Resp: 116996
Ion Ratio Lower Upper
75 100
77 32.3 25.7 38.5
110 38.3 30.3 45.5

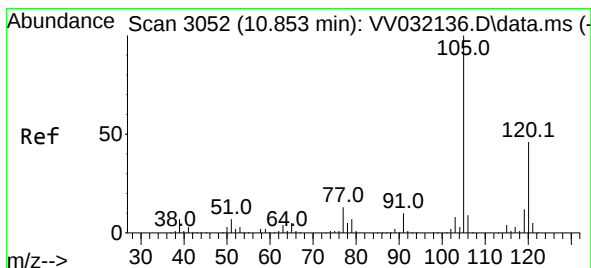
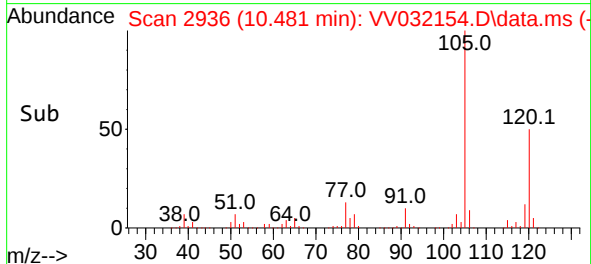
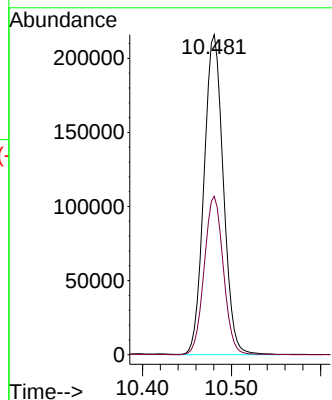
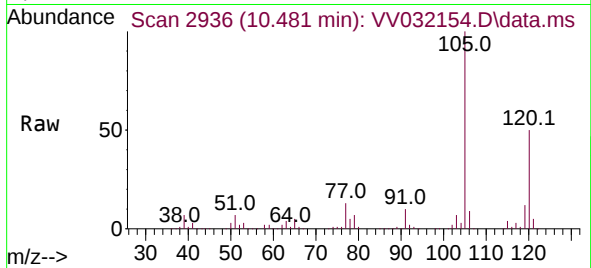




#62
1,3,5-Trimethylbenzene
Concen: 42.775 ug/L
RT: 10.481 min Scan# 2935
Delta R.T. 0.003 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

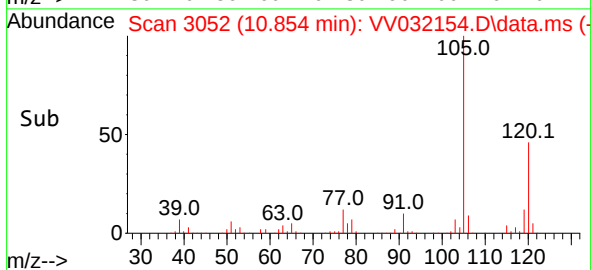
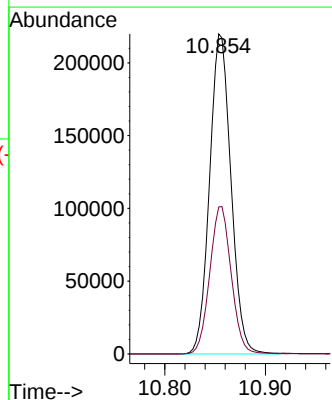
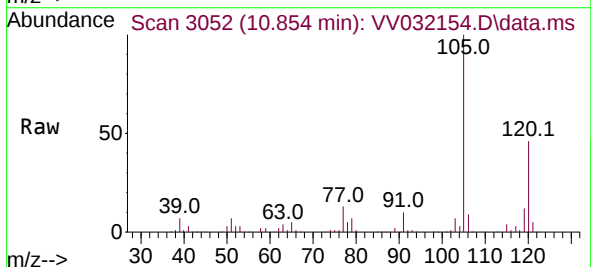
Instrument :
MSVOA_V
ClientSampleId :

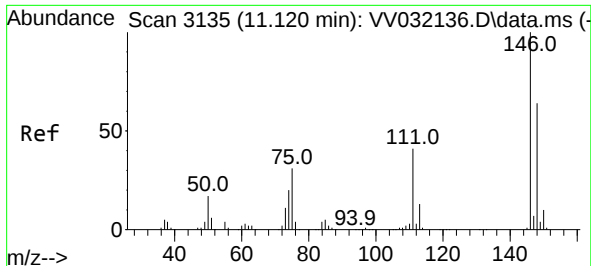
Tgt Ion:105 Resp: 324598
Ion Ratio Lower Upper
105 100
120 49.2 38.2 57.4



#63
1,2,4-Trimethylbenzene
Concen: 42.551 ug/L
RT: 10.854 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

Tgt Ion:105 Resp: 324821
Ion Ratio Lower Upper
105 100
120 46.3 35.9 53.9

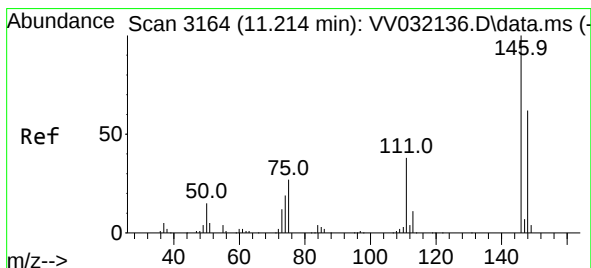
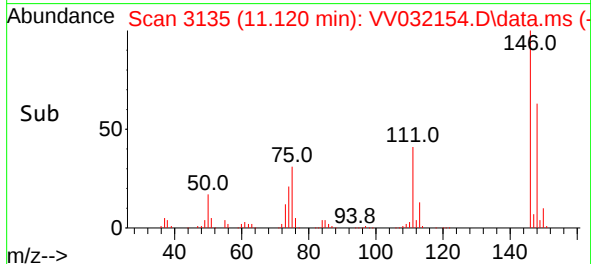
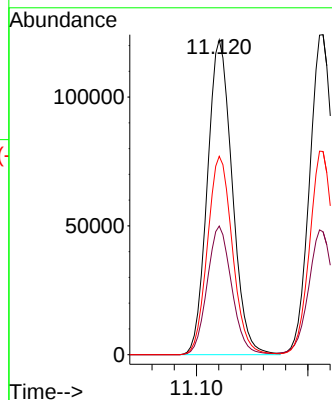
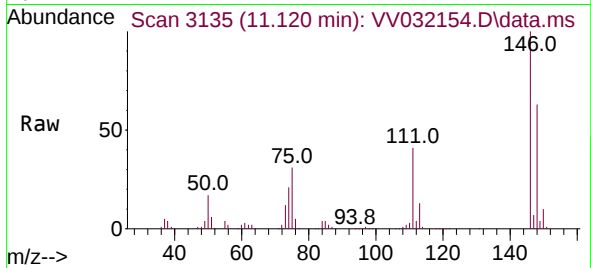




#64
 1,3-Dichlorobenzene
 Concen: 46.842 ug/L
 RT: 11.120 min Scan# 3135
 Delta R.T. 0.000 min
 Lab File: VV032154.D
 Acq: 22 Sep 2023 09:25

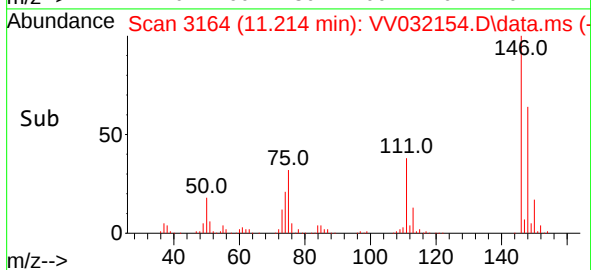
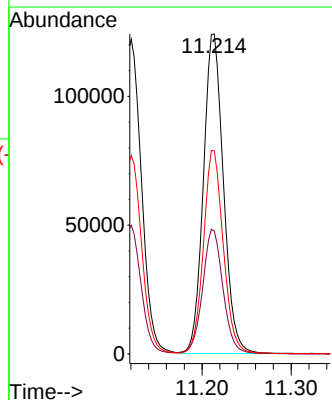
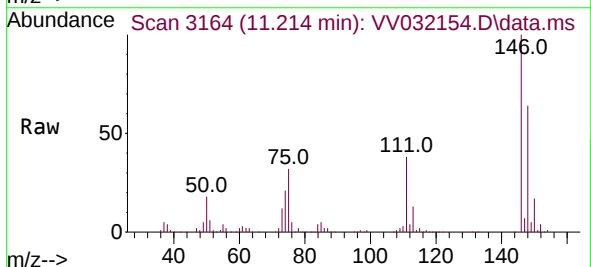
Instrument :
 MSVOA_V
 ClientSampleId :

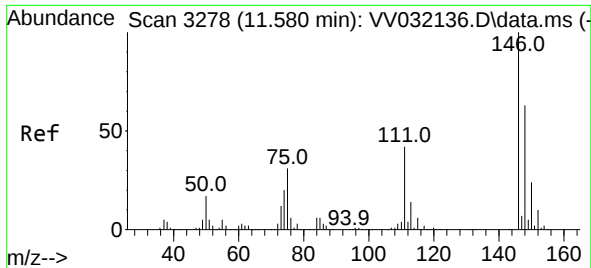
Tgt Ion:146 Resp: 189355
 Ion Ratio Lower Upper
 146 100
 111 40.9 30.2 56.0
 148 63.0 44.1 81.9



#65
 1,4-Dichlorobenzene
 Concen: 47.243 ug/L
 RT: 11.214 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VV032154.D
 Acq: 22 Sep 2023 09:25

Tgt Ion:146 Resp: 194189
 Ion Ratio Lower Upper
 146 100
 111 38.4 28.5 52.9
 148 63.5 44.2 82.2

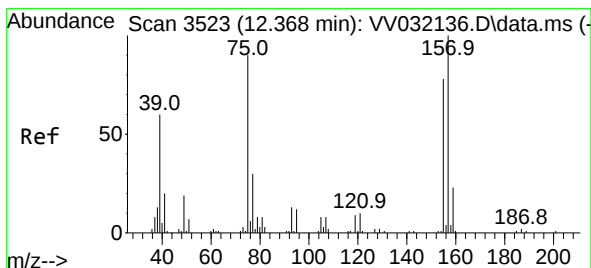
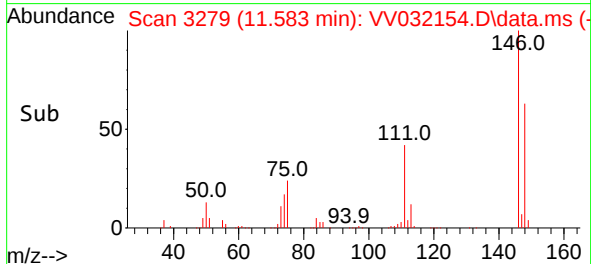
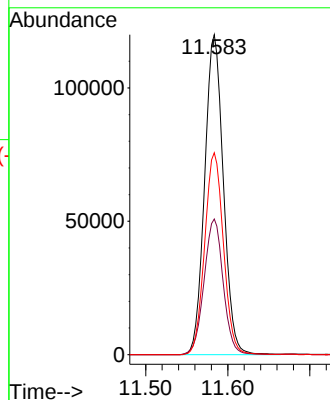
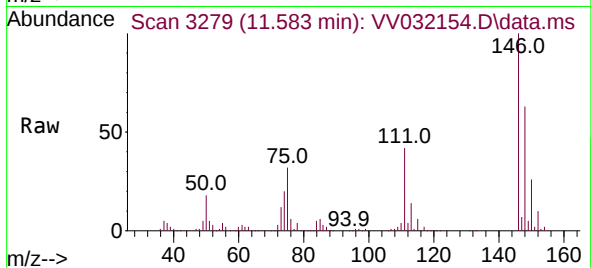




#67
1,2-Dichlorobenzene
Concen: 47.407 ug/L
RT: 11.583 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

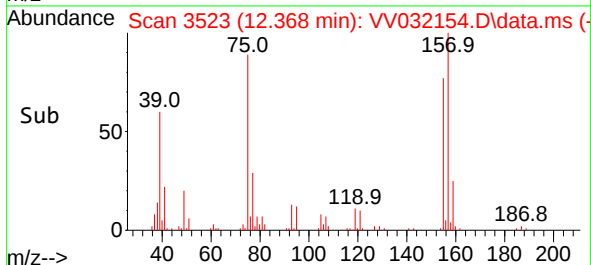
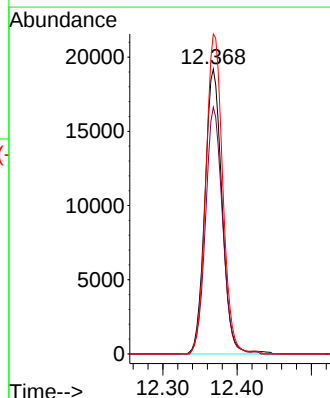
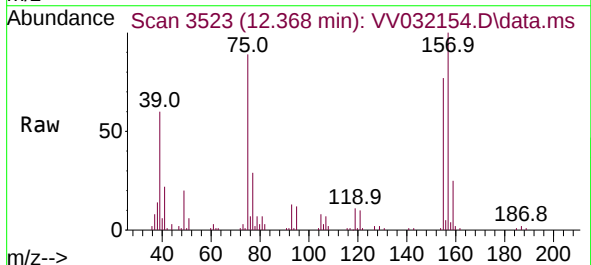
Instrument :
MSVOA_V
ClientSampleId :

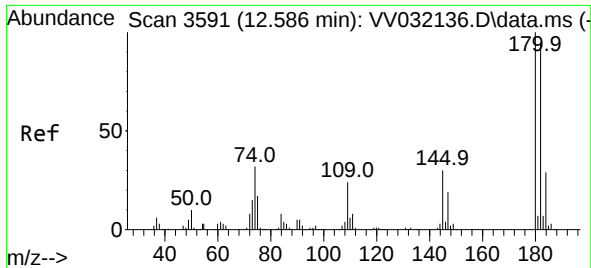
Tgt Ion:146 Resp: 189895
Ion Ratio Lower Upper
146 100
111 42.4 35.8 53.6
148 63.1 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 40.254 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.000 min
Lab File: VV032154.D
Acq: 22 Sep 2023 09:25

Tgt Ion: 75 Resp: 30763
Ion Ratio Lower Upper
75 100
155 86.7 60.1 90.1
157 112.4 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 47.619 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.000 min

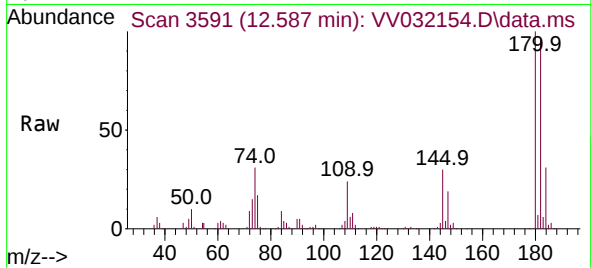
Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 140327

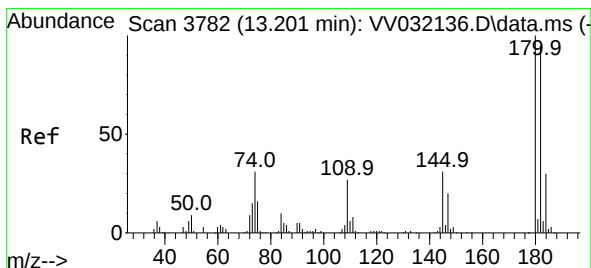
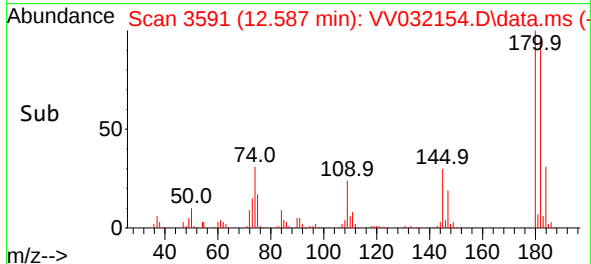
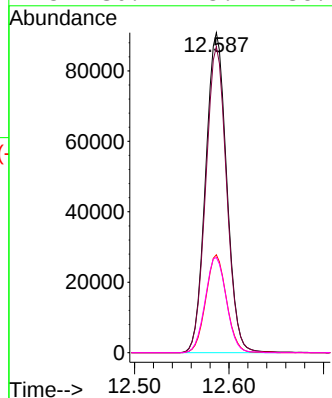
Ion Ratio Lower Upper

180 100

182 95.1 75.4 113.2

184 30.1 23.7 35.5

145 30.1 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 46.907 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

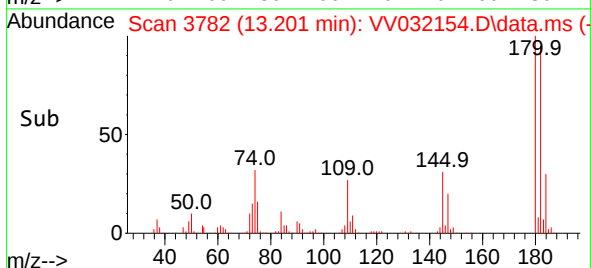
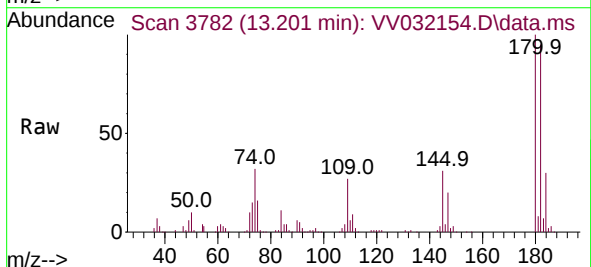
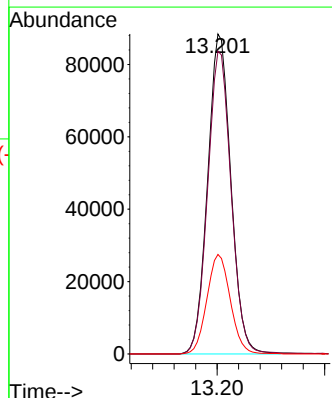
Tgt Ion:180 Resp: 132685

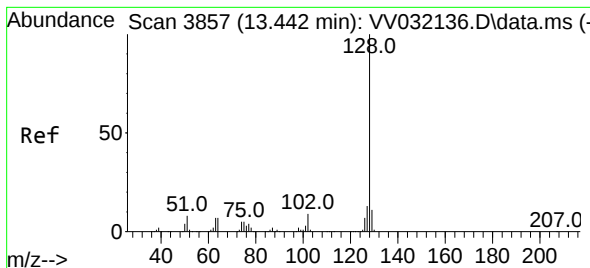
Ion Ratio Lower Upper

180 100

182 95.4 75.4 113.2

145 31.3 26.0 39.0





#71

Naphthalene

Concen: 43.236 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

Instrument :

MSVOA_V

ClientSampleId :

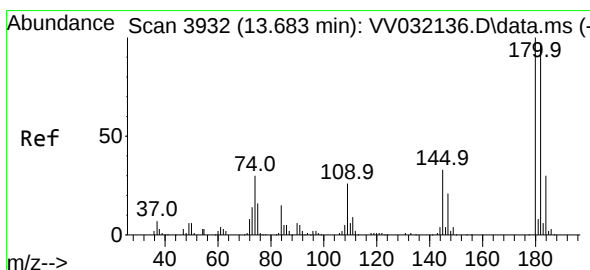
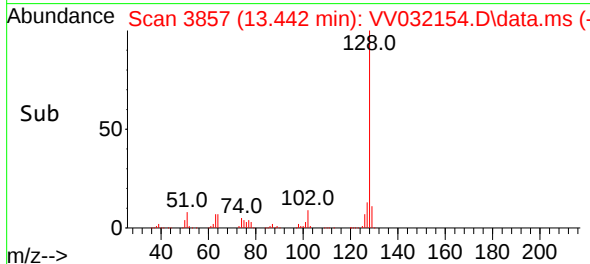
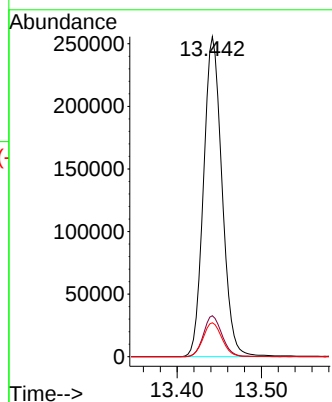
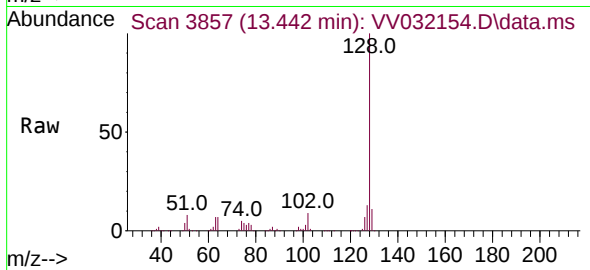
Tgt Ion:128 Resp: 390746

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 48.344 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032154.D

Acq: 22 Sep 2023 09:25

Tgt Ion:180 Resp: 131037

Ion Ratio Lower Upper

180 100

182 95.5 76.7 115.1

145 33.2 27.7 41.5

