

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091423\
 Data File : VW032108.D
 Acq On : 14 Sep 2023 23:21
 Operator : SY/MD
 Sample : 04440-04MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EX821MSD

Quant Time: Sep 15 08:08:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 15 08:00:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	231260	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	229730	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	123448	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	54484	37.645	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.300%
7) Chloroethane-d5	1.529	69	50751	40.001	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.060	65	24695	36.439	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.880%
21) 2-Butanone-d5	3.789	46	134082	117.791	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.790%
24) Chloroform-d	4.252	84	141764	44.813	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.620%
26) 1,2-Dichloroethane-d4	4.947	65	87600	41.727	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.460%
32) Benzene-d6	4.963	84	263116	41.973	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.940%
36) 1,2-Dichloropropane-d6	5.992	67	90909	45.056	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.120%
41) Toluene-d8	7.246	98	231452	40.072	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.140%
43) trans-1,3-Dichloroprop...	7.554	79	42493	40.633	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.260%
47) 2-Hexanone-d5	8.027	63	88174	142.582	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	142.580%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	144057	55.251	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.500%
66) 1,2-Dichlorobenzene-d4	11.564	152	101944	45.301	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	59036	41.933	ug/L	97
3) Chloromethane	1.214	50	69314	48.282	ug/L	99
5) Vinyl chloride	1.281	62	71319	46.518	ug/L	99
6) Bromomethane	1.481	94	42733	47.339	ug/L	98
8) Chloroethane	1.545	64	48396	47.498	ug/L	100
9) Trichlorofluoromethane	1.712	101	104725	46.859	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	66344	49.166	ug/L	99
12) 1,1-Dichloroethene	2.069	96	58237	48.049	ug/L	79
13) Acetone	2.111	43	85122	84.017	ug/L	100
14) Carbon disulfide	2.240	76	124586	45.112	ug/L	100
15) Methyl Acetate	2.375	43	90350	50.002	ug/L	98
16) Methylene chloride	2.449	84	80197	51.490	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	65482	49.279	ug/L	92
18) Methyl tert-butyl Ether	2.706	73	278413	49.576	ug/L	98
19) 1,1-Dichloroethane	3.114	63	155974	52.377	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	87790	52.660	ug/L	94
22) 2-Butanone	3.870	43	142347	106.179	ug/L	96
23) Bromochloromethane	4.149	128	42649	52.731	ug/L	98
25) Chloroform	4.278	83	157168	50.762	ug/L	100

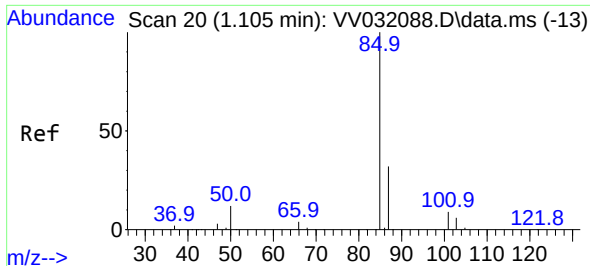
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091423\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	116626	47.812	ug/L	95
29) Cyclohexane	4.584	56	110241	46.088	ug/L	96
30) 1,1,1-Trichloroethane	4.516	97	127928	47.741	ug/L	99
31) Carbon tetrachloride	4.738	117	103864	45.647	ug/L	99
33) Benzene	5.014	78	312654	50.651	ug/L	100
34) Trichloroethene	5.838	95	84222	44.614	ug/L	98
35) Methylcyclohexane	6.053	83	102298	40.741	ug/L	96
37) 1,2-Dichloropropane	6.095	63	90904	51.957	ug/L	100
38) Bromodichloromethane	6.436	83	122517	49.334	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	140812	46.291	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	307209	110.627	ug/L	98
42) Toluene	7.317	91	336019	49.487	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	132142	45.213	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	95216	53.867	ug/L	98
46) Tetrachloroethene	7.908	164	56604	47.753	ug/L	97
48) 2-Hexanone	8.079	43	228517	107.755	ug/L	99
49) Dibromochloromethane	8.181	129	92264	50.795	ug/L	99
50) 1,2-Dibromoethane	8.284	107	95563	51.617	ug/L	100
51) Chlorobenzene	8.818	112	229122	50.783	ug/L	98
52) Ethylbenzene	8.950	91	389237	48.394	ug/L	99
53) m,p-Xylene	9.075	106	142090	47.579	ug/L	99
54) o-Xylene	9.480	106	144711	48.721	ug/L	99
55) Styrene	9.500	104	256846	48.916	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.181	83	156606	62.586	ug/L	99
59) Bromoform	9.667	173	65707	51.328	ug/L	99
60) Isopropylbenzene	9.869	105	395370	47.817	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	120285	51.574	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	323460	46.500	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	327344	46.779	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	185120	49.957	ug/L	98
65) 1,4-Dichlorobenzene	11.213	146	187730	49.822	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	188329	51.289	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	32816	46.843	ug/L	87
69) 1,3,5-Trichlorobenzene	12.586	180	129514	47.944	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	125743	48.493	ug/L	98
71) Naphthalene	13.442	128	451264	54.471	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	128463	51.702	ug/L	99

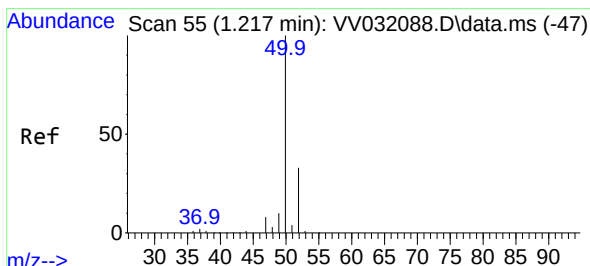
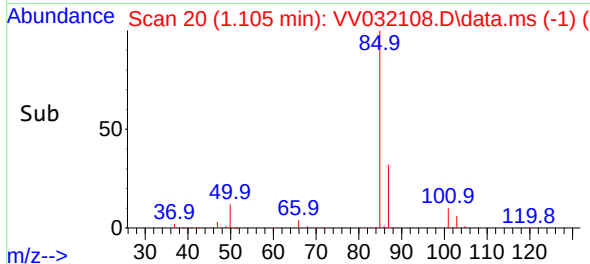
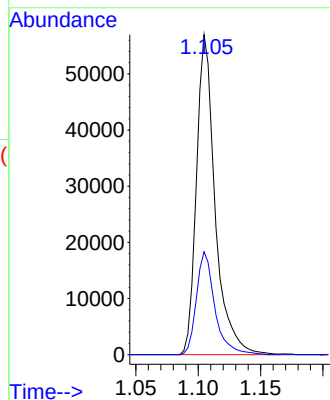
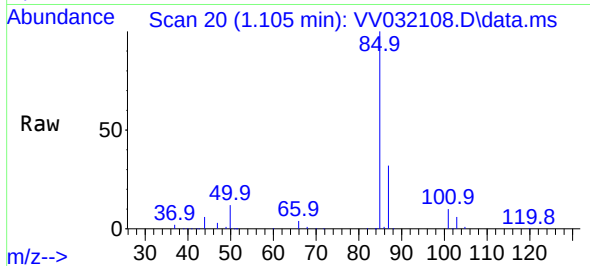
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 41.933 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV032108.D
 Acq: 14 Sep 2023 23:21

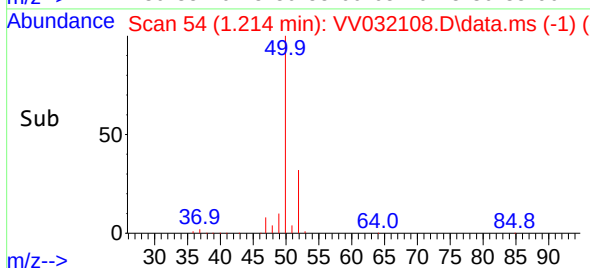
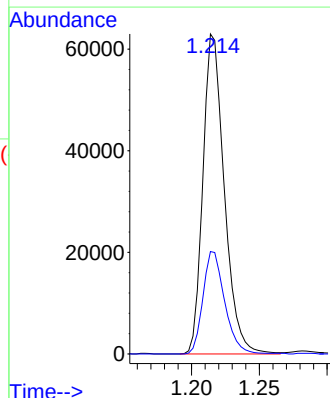
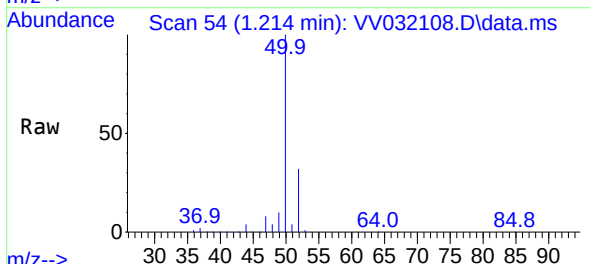
Instrument :
 MSVOA_V
 ClientSampleId :
 EX821MSD

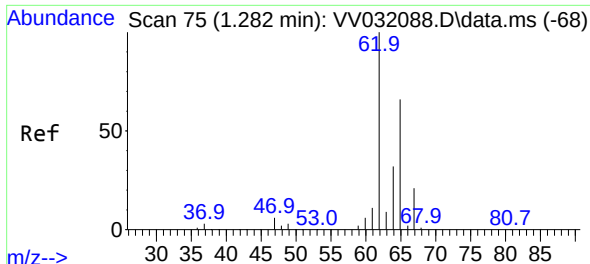
Tgt Ion: 85 Resp: 59036
 Ion Ratio Lower Upper
 85 100
 87 31.8 26.8 40.2



#3
 Chloromethane
 Concen: 48.282 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV032108.D
 Acq: 14 Sep 2023 23:21

Tgt Ion: 50 Resp: 69314
 Ion Ratio Lower Upper
 50 100
 52 32.0 23.0 42.6

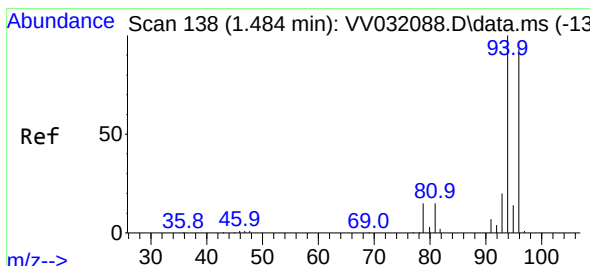
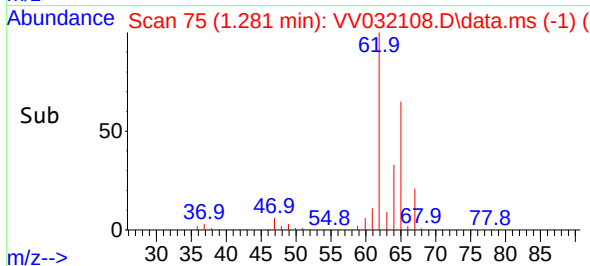
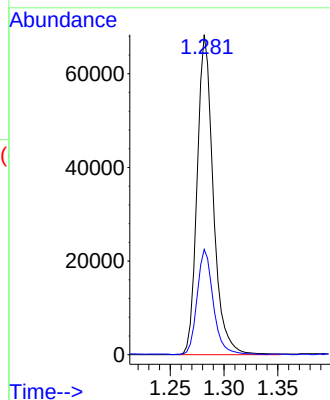
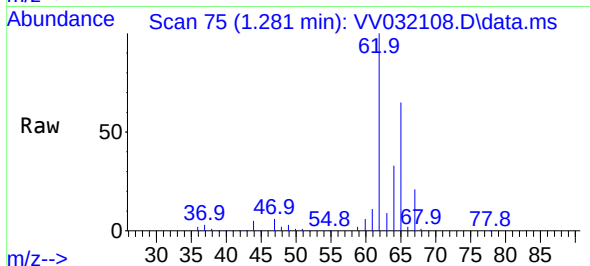




#5
 Vinyl chloride
 Concen: 46.518 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV032108.D
 Acq: 14 Sep 2023 23:21

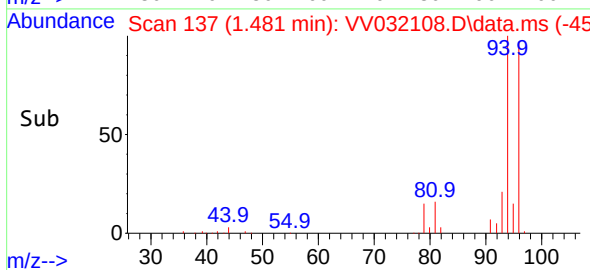
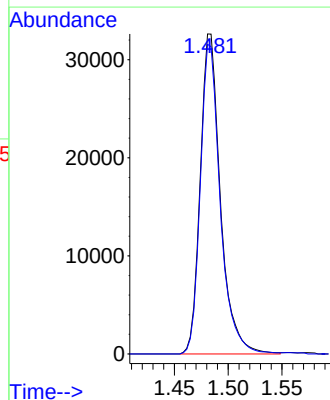
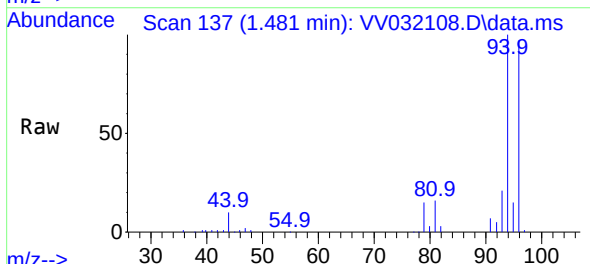
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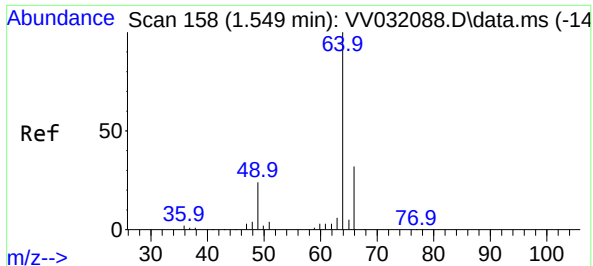
Tgt Ion: 62 Resp: 71319
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.6 43.8



#6
 Bromomethane
 Concen: 47.339 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.003 min
 Lab File: VV032108.D
 Acq: 14 Sep 2023 23:21

Tgt Ion: 94 Resp: 42733
 Ion Ratio Lower Upper
 94 100
 96 96.8 66.4 123.4

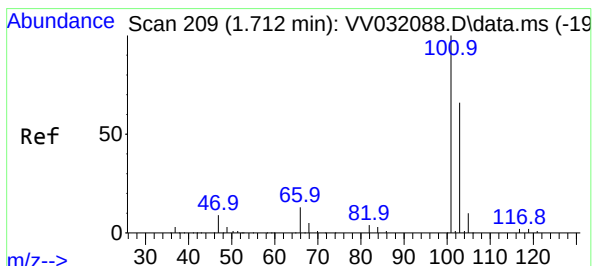
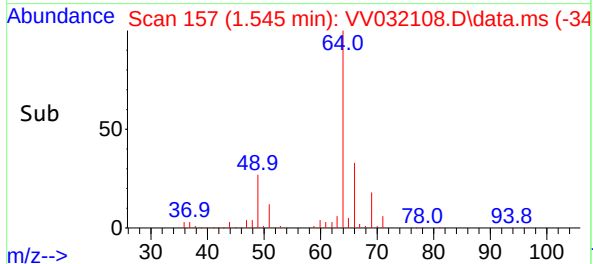
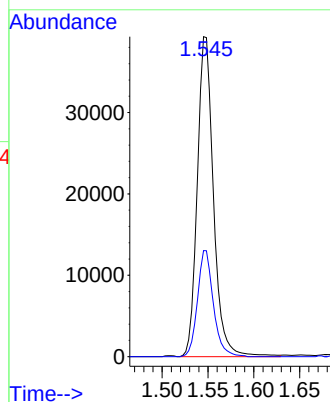
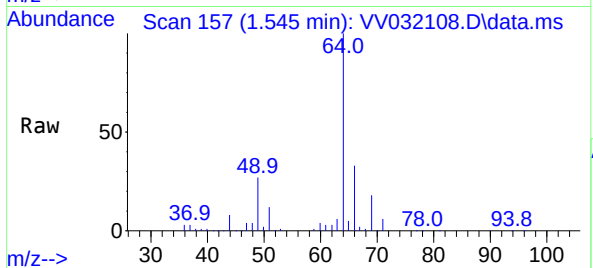




#8
Chloroethane
Concen: 47.498 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

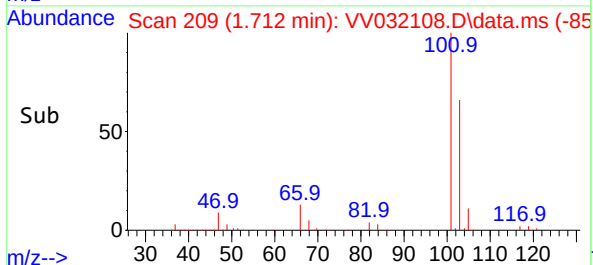
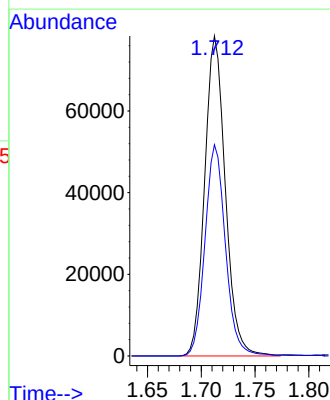
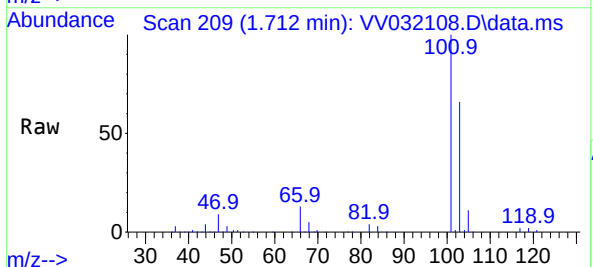
Instrument :
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ClientSampleId :
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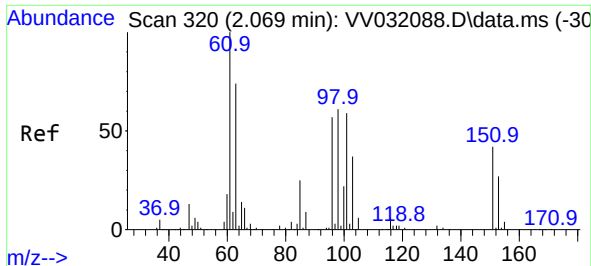
Tgt Ion: 64 Resp: 48396
Ion Ratio Lower Upper
64 100
66 33.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 46.859 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion:101 Resp: 104725
Ion Ratio Lower Upper
101 100
103 65.4 51.9 77.9

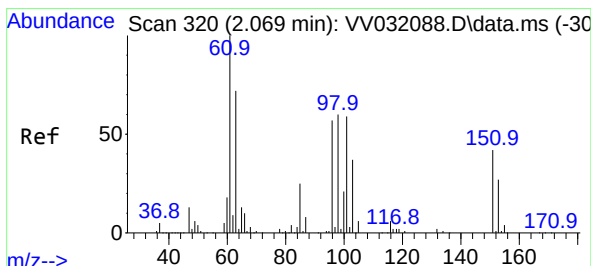
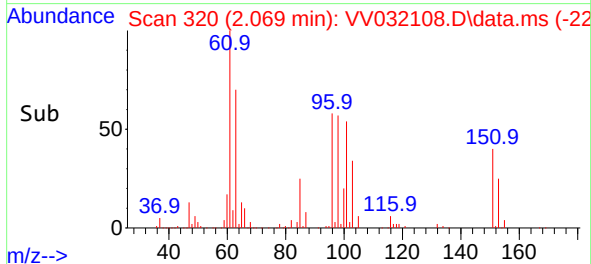
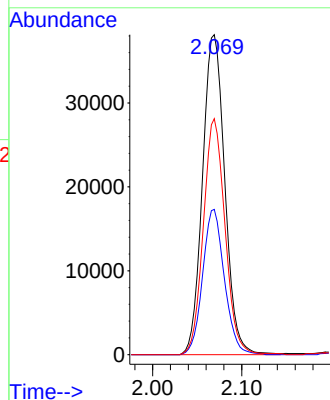
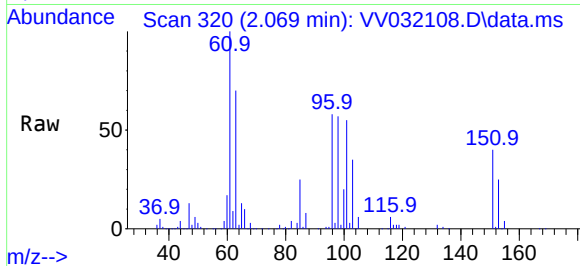




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.166 ug/L
RT: 2.069 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

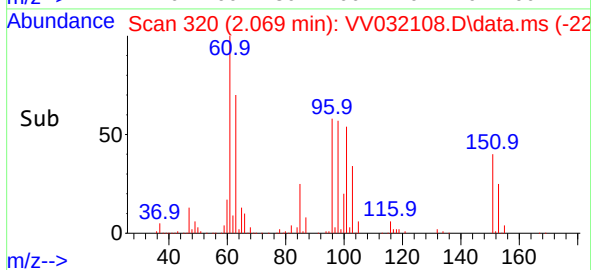
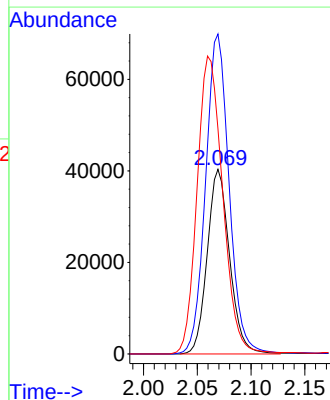
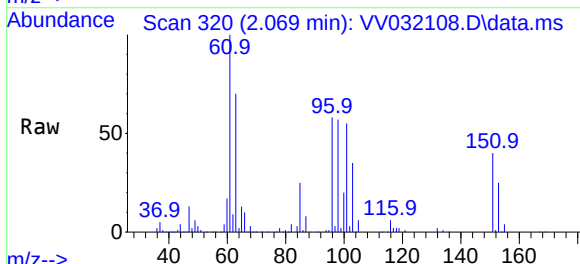
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ClientSampleId :
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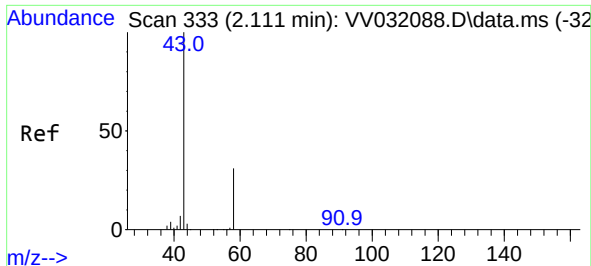
Tgt Ion:101 Resp: 66344
Ion Ratio Lower Upper
101 100
85 44.3 35.8 53.8
151 71.7 56.5 84.7



#12
1,1-Dichloroethene
Concen: 48.049 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion: 96 Resp: 58237
Ion Ratio Lower Upper
96 100
61 173.3 133.8 248.6
63 121.9 115.2 214.0

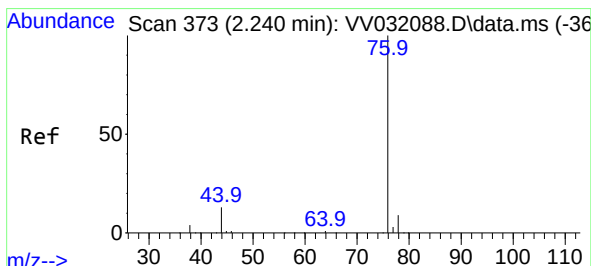
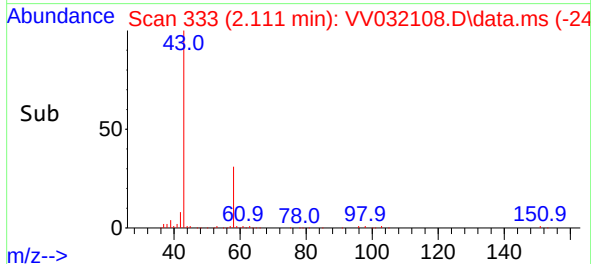
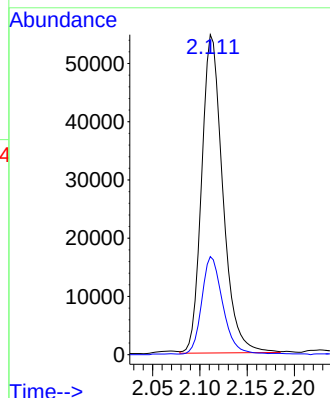
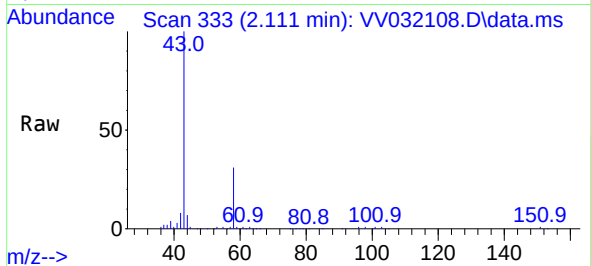




#13
Acetone
Concen: 84.017 ug/L
RT: 2.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

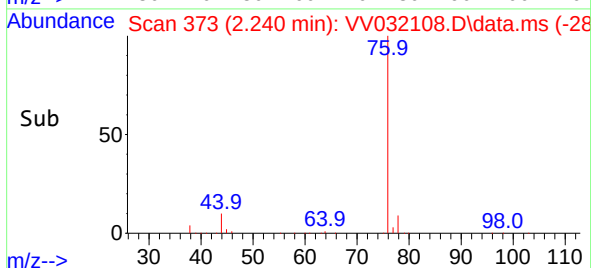
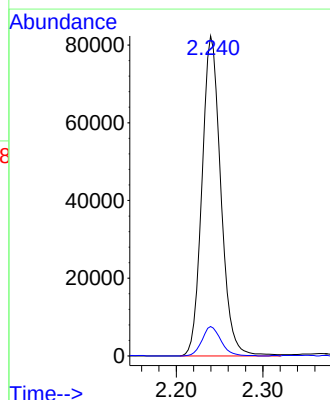
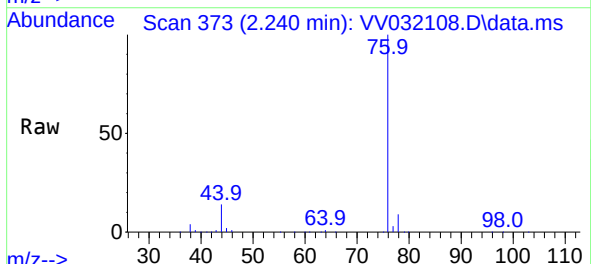
Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

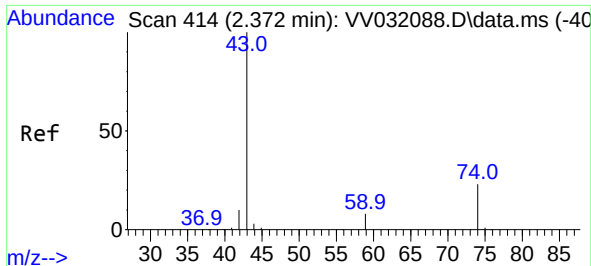
Tgt Ion: 43 Resp: 85122
Ion Ratio Lower Upper
43 100
58 30.4 0.0 61.0



#14
Carbon disulfide
Concen: 45.112 ug/L
RT: 2.240 min Scan# 373
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion: 76 Resp: 124586
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

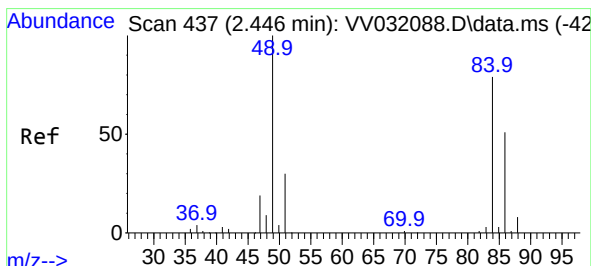
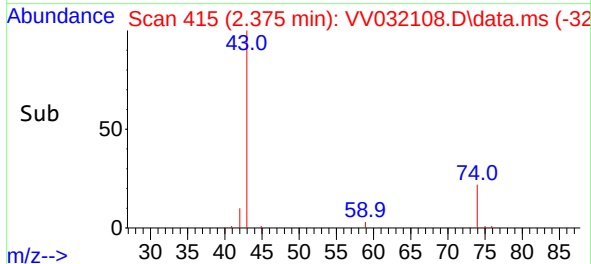
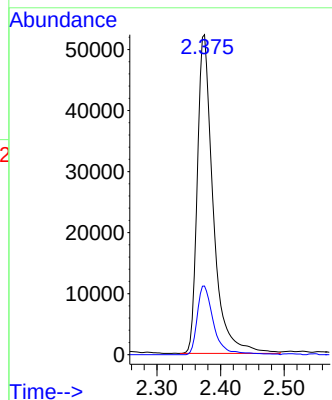
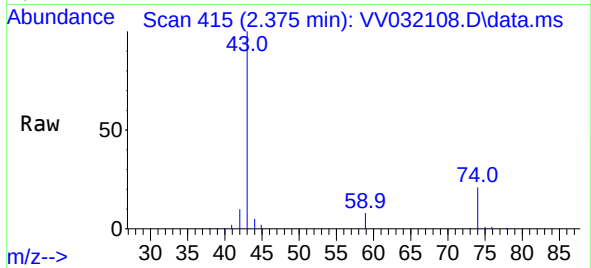




#15
Methyl Acetate
Concen: 50.002 ug/L
RT: 2.375 min Scan# 414
Delta R.T. 0.003 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

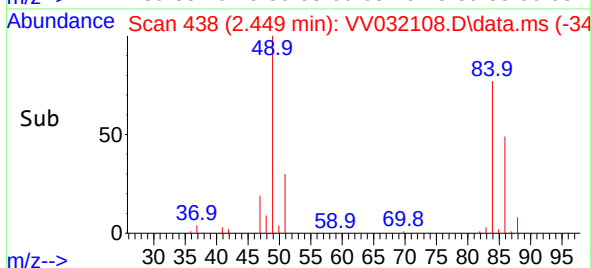
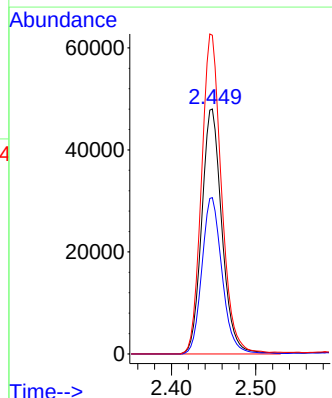
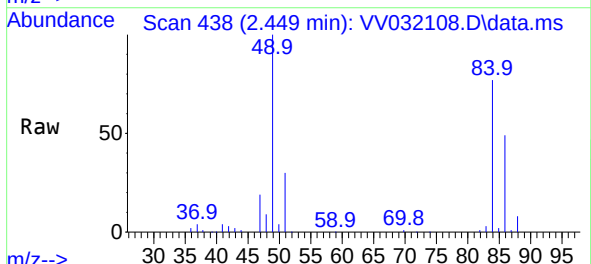
Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

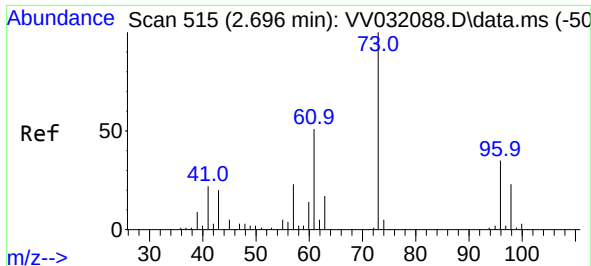
Tgt Ion: 43 Resp: 90350
Ion Ratio Lower Upper
43 100
74 21.2 17.9 26.9



#16
Methylene chloride
Concen: 51.490 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion: 84 Resp: 80197
Ion Ratio Lower Upper
84 100
86 63.8 44.6 82.8
49 130.0 91.6 170.2

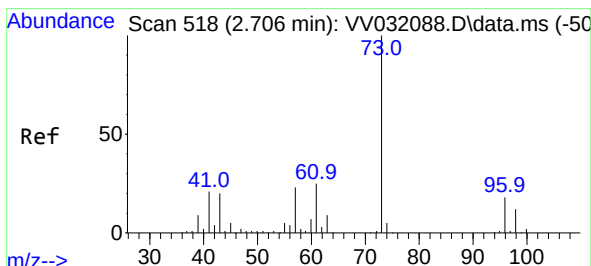
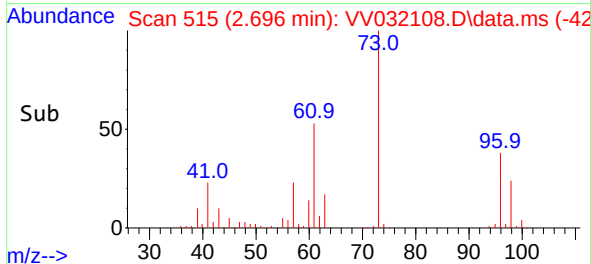
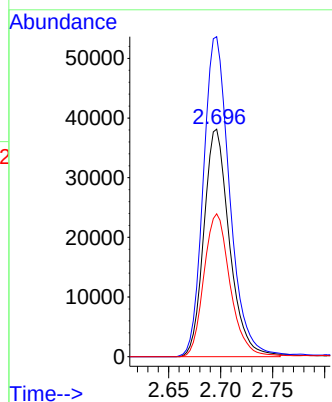
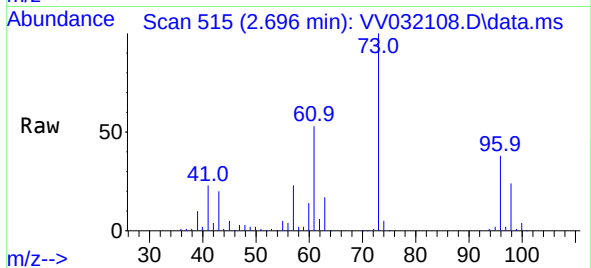




#17
trans-1,2-Dichloroethene
Concen: 49.279 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

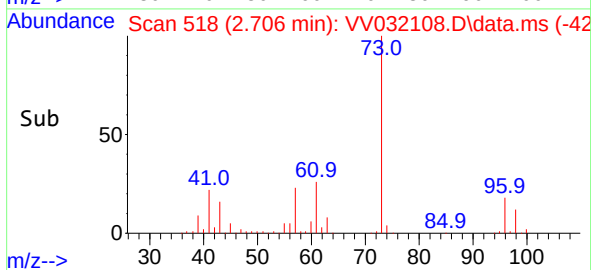
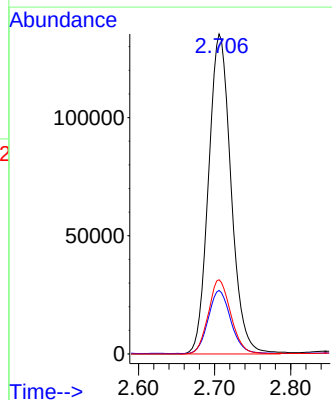
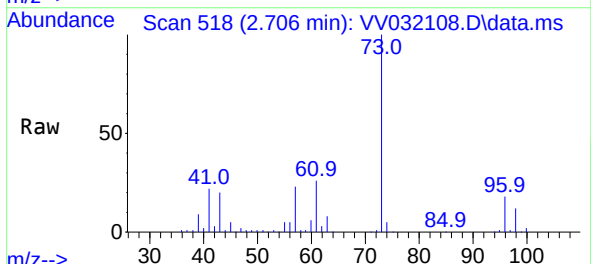
Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

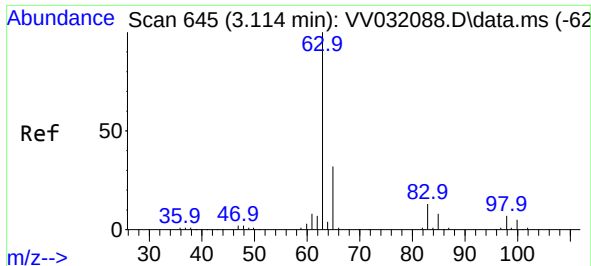
Tgt Ion: 96 Resp: 65482
Ion Ratio Lower Upper
96 100
61 140.7 107.3 199.3
98 62.8 46.3 85.9



#18
Methyl tert-butyl Ether
Concen: 49.576 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion: 73 Resp: 278413
Ion Ratio Lower Upper
73 100
43 19.7 16.6 25.0
57 23.2 17.6 26.4

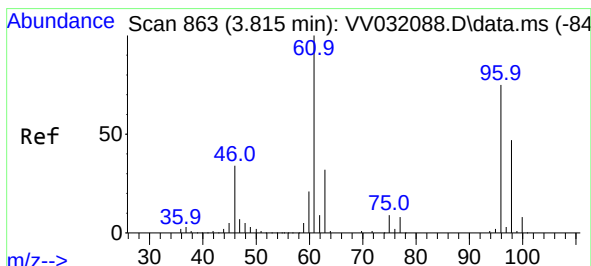
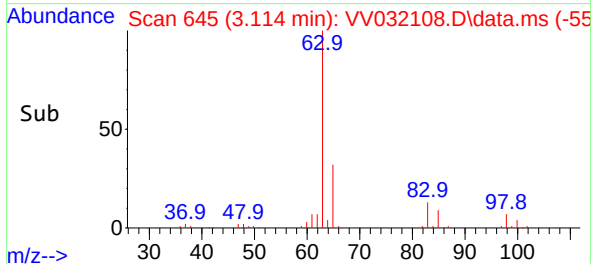
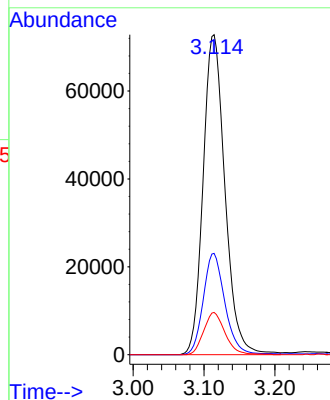
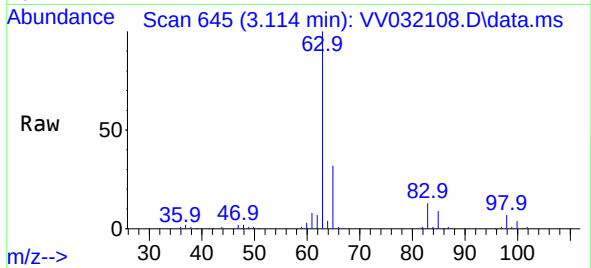




#19
1,1-Dichloroethane
Concen: 52.377 ug/L
RT: 3.114 min Scan# 645
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

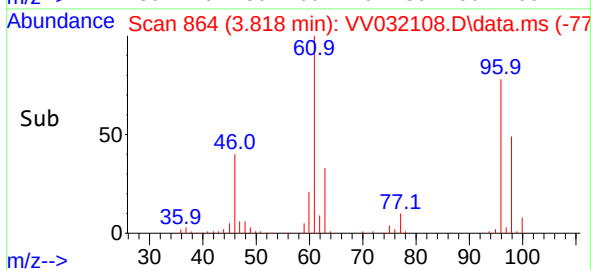
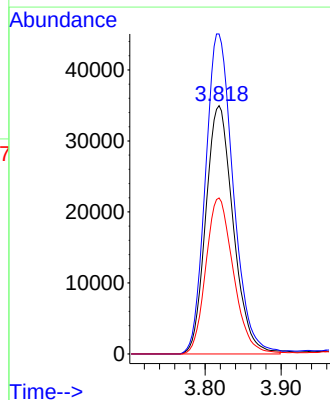
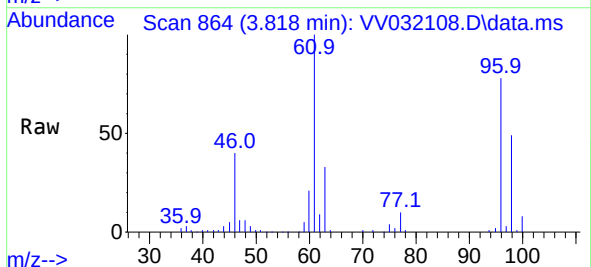
Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

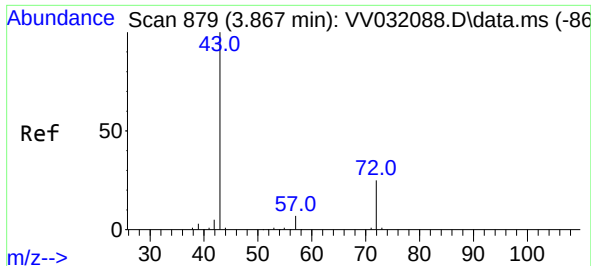
Tgt Ion: 63 Resp: 155974
Ion Ratio Lower Upper
63 100
65 31.7 22.4 41.6
83 13.2 8.7 16.1



#20
cis-1,2-Dichloroethene
Concen: 52.660 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.003 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion: 96 Resp: 87790
Ion Ratio Lower Upper
96 100
61 128.9 97.3 180.7
98 62.8 45.3 84.1

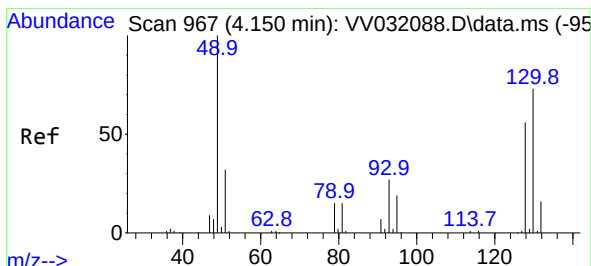
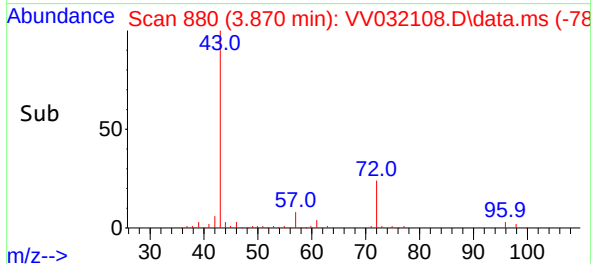
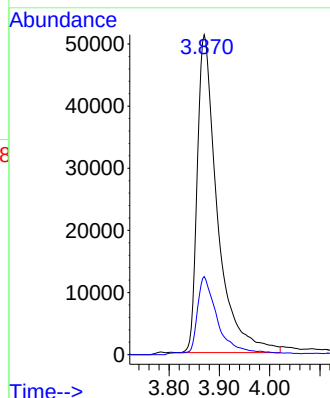
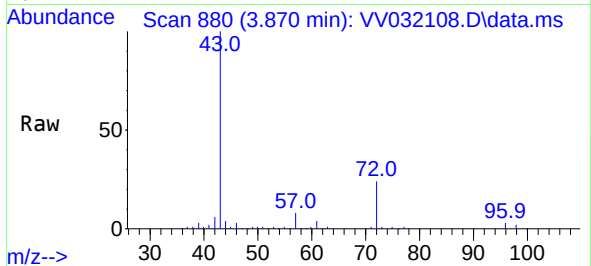




#22
2-Butanone
Concen: 106.179 ug/L
RT: 3.870 min Scan# 879
Delta R.T. 0.003 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

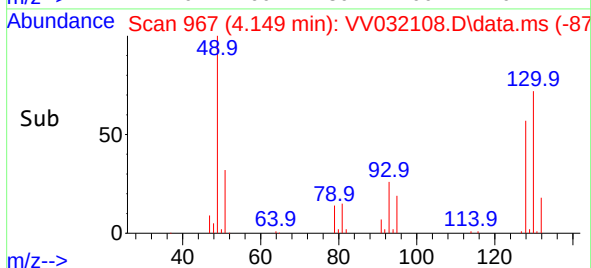
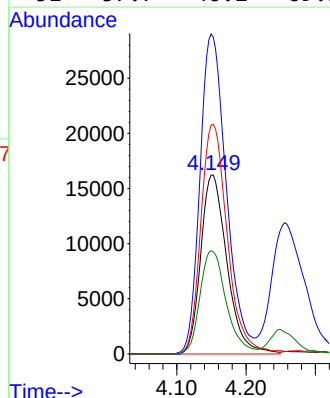
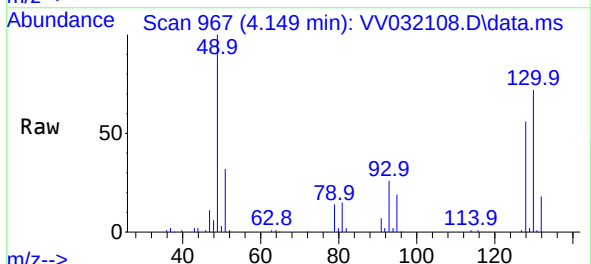
Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

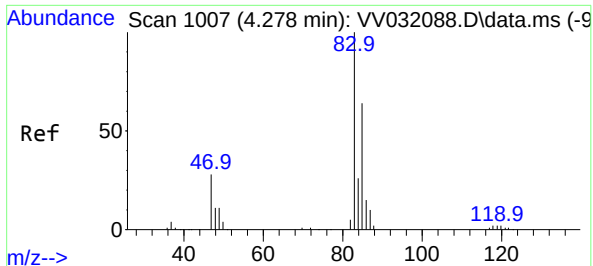
Tgt Ion: 43 Resp: 142347
Ion Ratio Lower Upper
43 100
72 23.2 12.6 37.8



#23
Bromochloromethane
Concen: 52.731 ug/L
RT: 4.149 min Scan# 967
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion:128 Resp: 42649
Ion Ratio Lower Upper
128 100
49 178.9 127.8 237.4
130 127.9 90.1 167.3
51 57.7 46.2 69.2





#25

Chloroform

Concen: 50.762 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. -0.000 min

Lab File: VV032108.D

Acq: 14 Sep 2023 23:21

Instrument :

MSVOA_V

ClientSampleId :

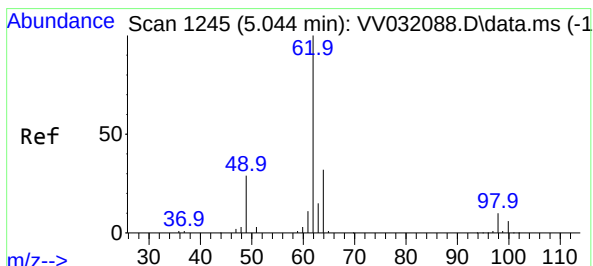
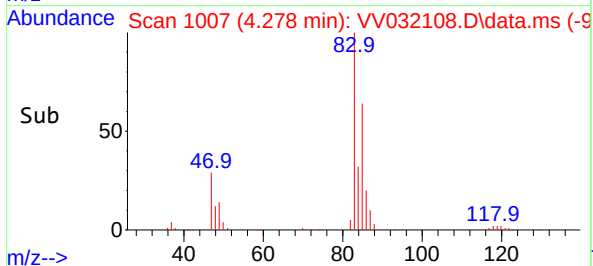
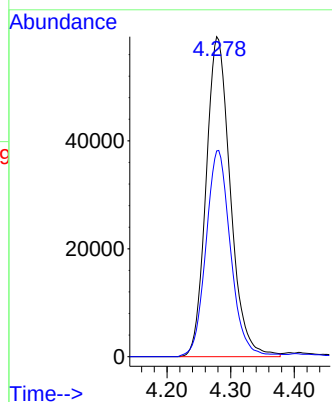
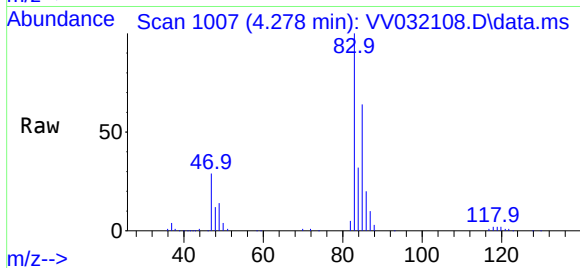
EX821MSD

Tgt Ion: 83 Resp: 157168

Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.3



#27

1,2-Dichloroethane

Concen: 47.812 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.000 min

Lab File: VV032108.D

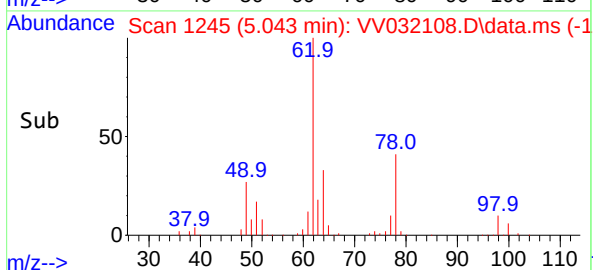
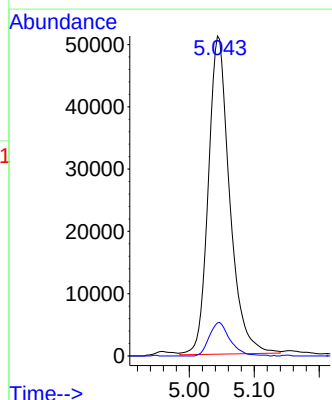
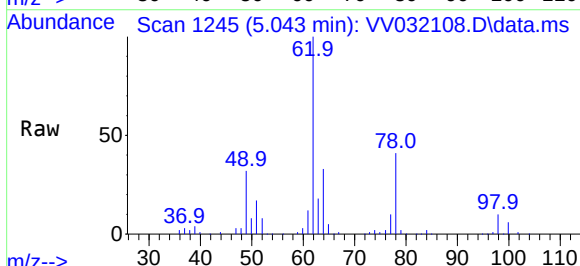
Acq: 14 Sep 2023 23:21

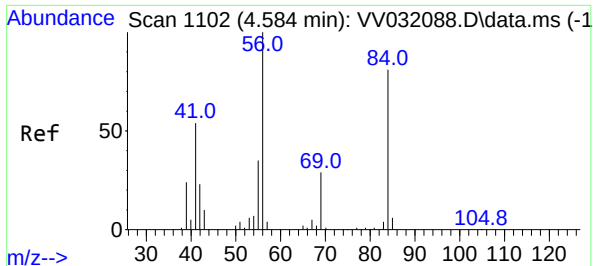
Tgt Ion: 62 Resp: 116626

Ion Ratio Lower Upper

62 100

98 10.4 7.0 10.4





#29

Cyclohexane

Concen: 46.088 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV032108.D

Acq: 14 Sep 2023 23:21

Instrument :

MSVOA_V

ClientSampleId :

EX821MSD

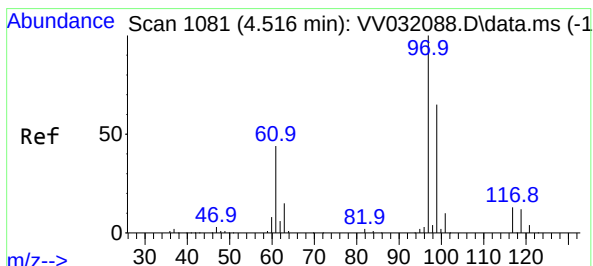
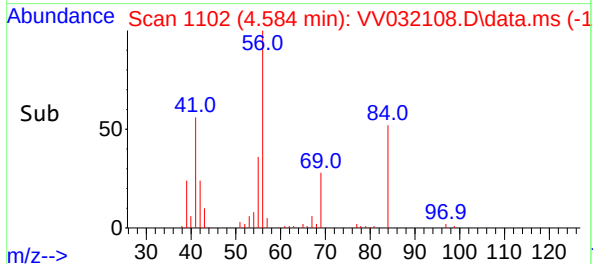
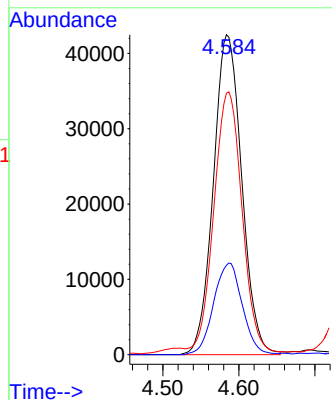
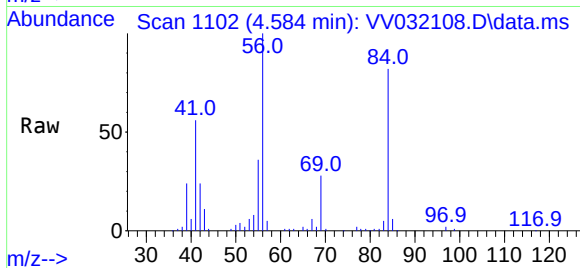
Tgt Ion: 56 Resp: 110241

Ion Ratio Lower Upper

56 100

69 28.8 24.2 36.4

84 80.4 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 47.741 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.000 min

Lab File: VV032108.D

Acq: 14 Sep 2023 23:21

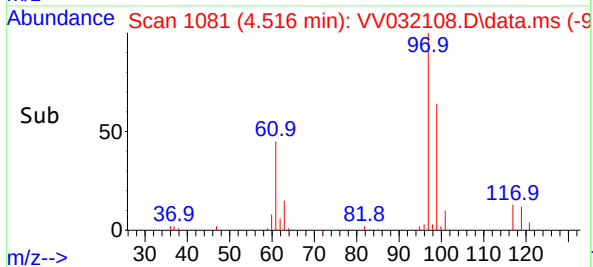
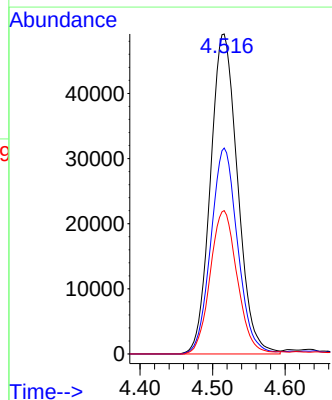
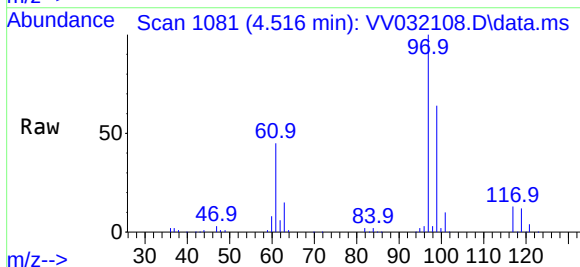
Tgt Ion: 97 Resp: 127928

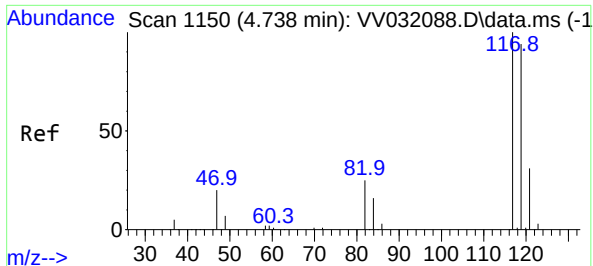
Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.4

61 44.6 36.5 54.7

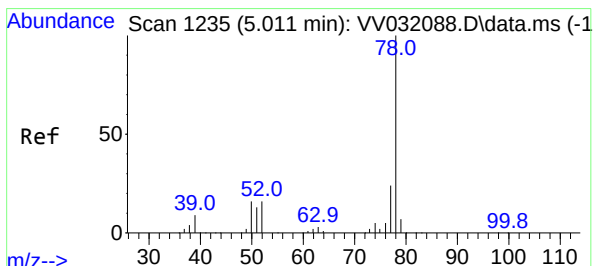
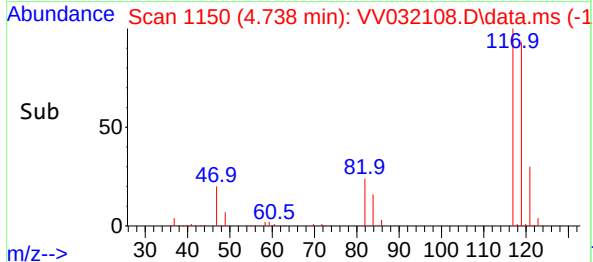
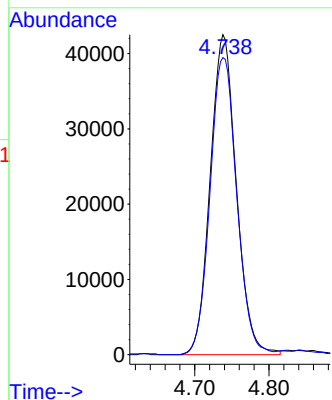
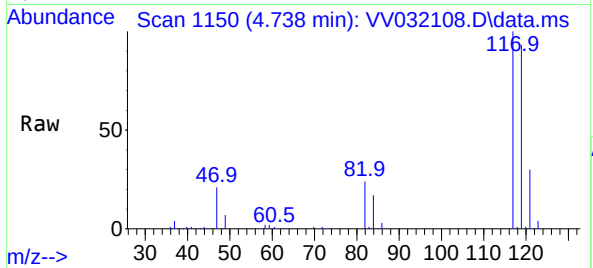




#31
Carbon tetrachloride
Concen: 45.647 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

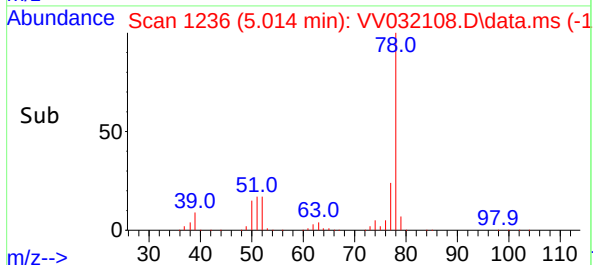
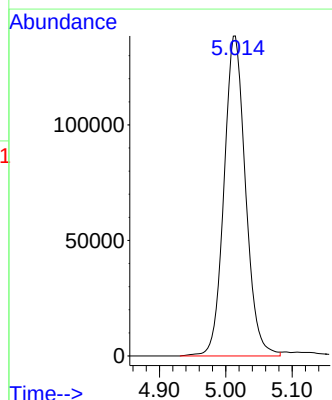
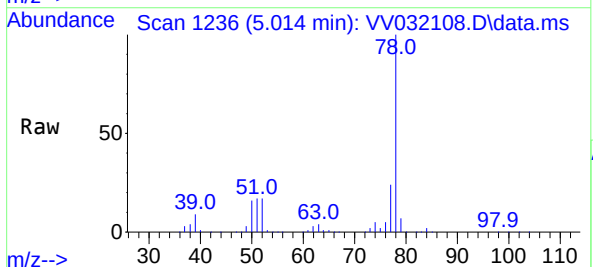
Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

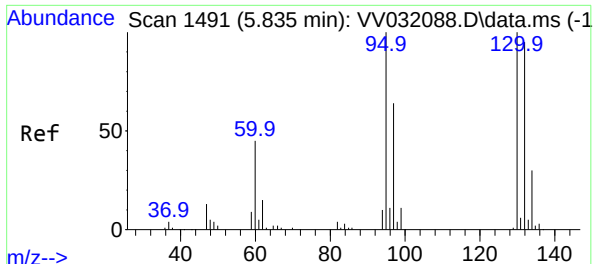
Tgt Ion:117 Resp: 103864
Ion Ratio Lower Upper
117 100
119 95.1 75.4 113.2



#33
Benzene
Concen: 50.651 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion: 78 Resp: 312654

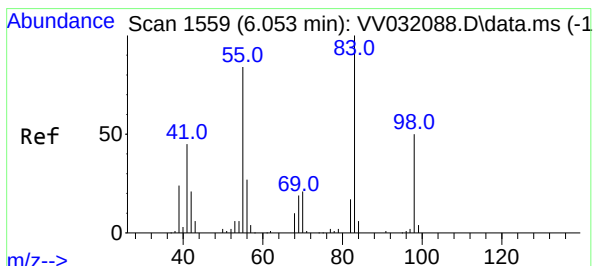
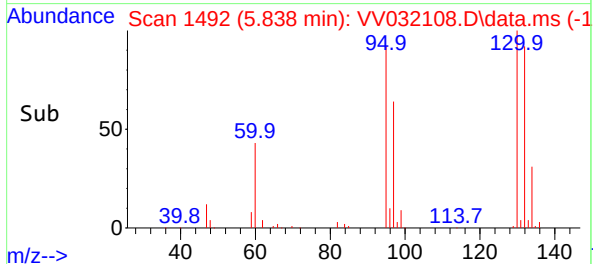
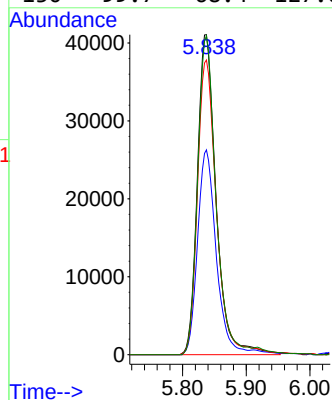
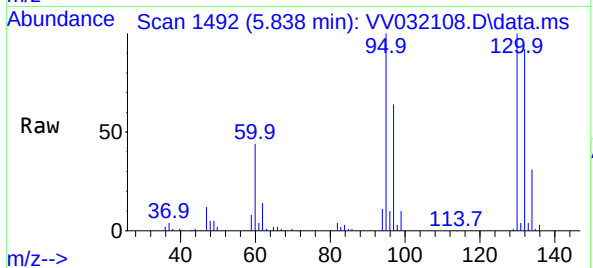




#34
Trichloroethene
Concen: 44.614 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.003 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

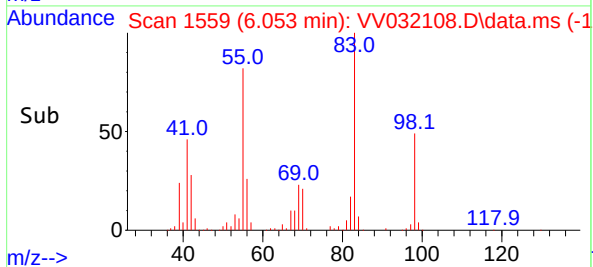
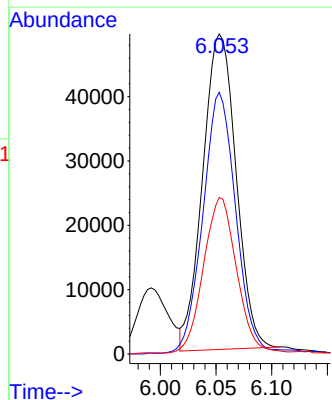
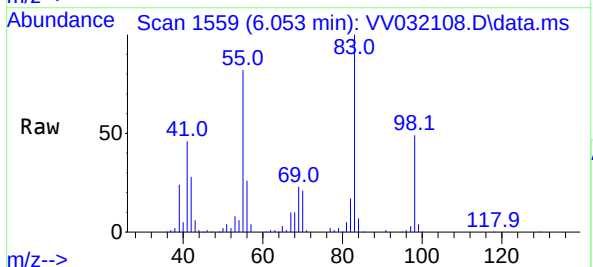
Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

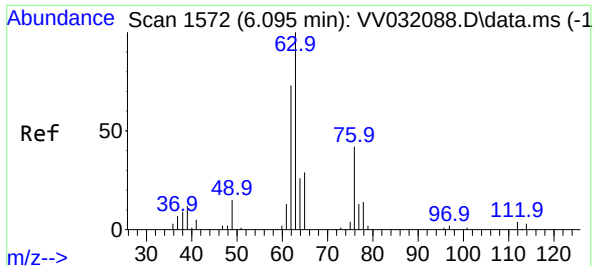
Tgt Ion: 95 Resp: 84222
Ion Ratio Lower Upper
95 100
97 64.0 45.4 84.2
132 92.1 65.4 121.4
130 99.7 68.4 127.0



#35
Methylcyclohexane
Concen: 40.741 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion: 83 Resp: 102298
Ion Ratio Lower Upper
83 100
55 81.2 62.2 93.2
98 49.3 36.7 55.1

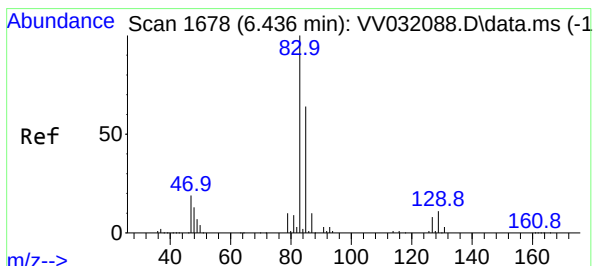
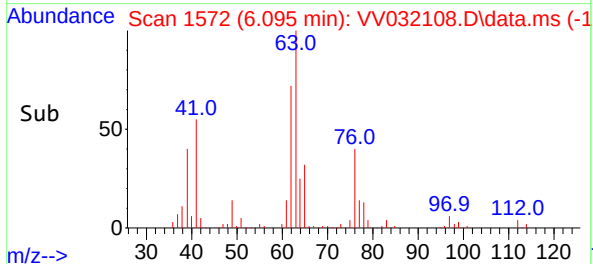
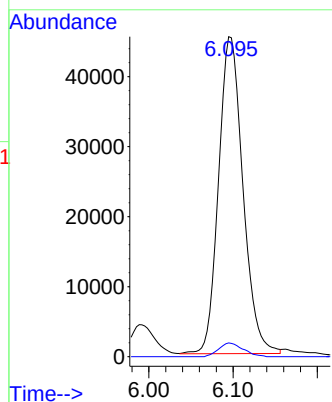
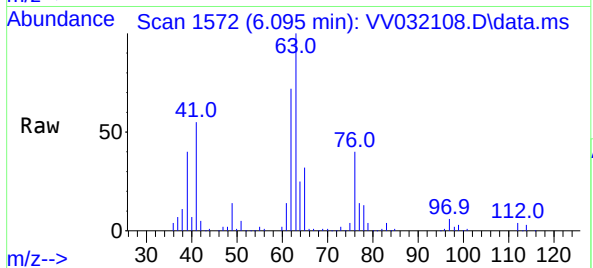




#37
1,2-Dichloropropane
Concen: 51.957 ug/L
RT: 6.095 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

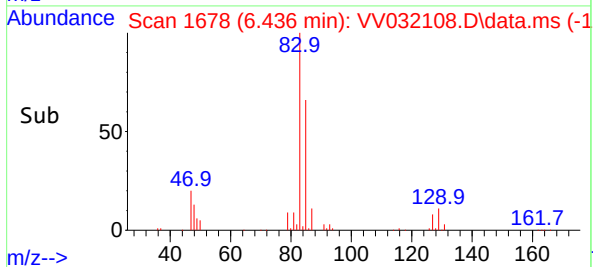
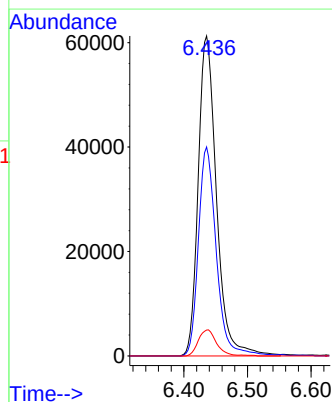
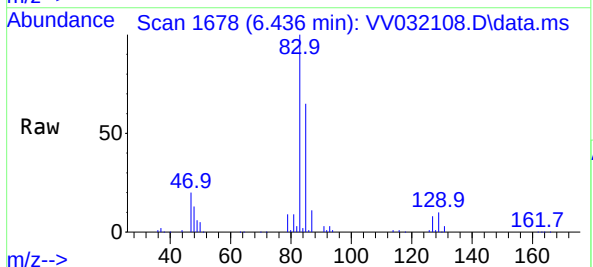
Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

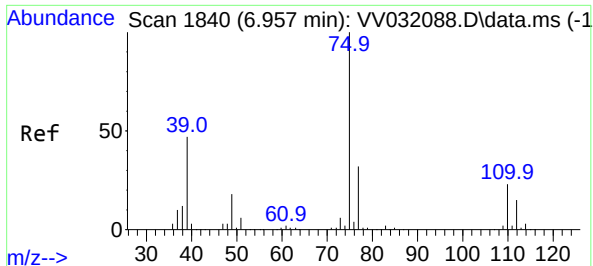
Tgt Ion: 63 Resp: 90904
Ion Ratio Lower Upper
63 100
112 4.3 3.5 5.3



#38
Bromodichloromethane
Concen: 49.334 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion: 83 Resp: 122517
Ion Ratio Lower Upper
83 100
85 65.3 45.2 84.0
127 8.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 46.291 ug/L

RT: 6.956 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV032108.D

Acq: 14 Sep 2023 23:21

Instrument :

MSVOA_V

ClientSampleId :

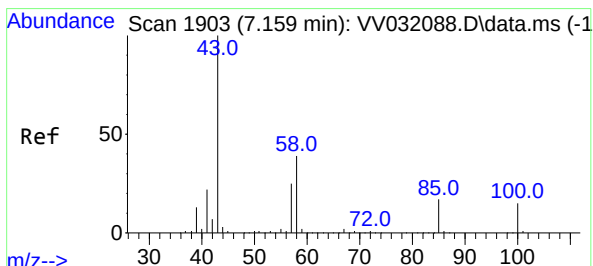
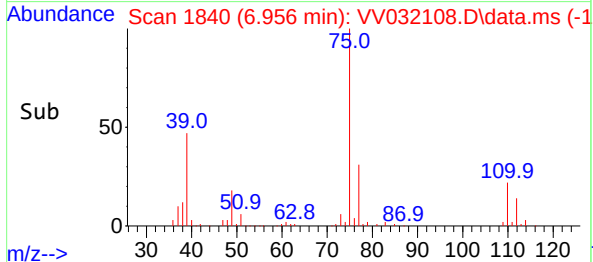
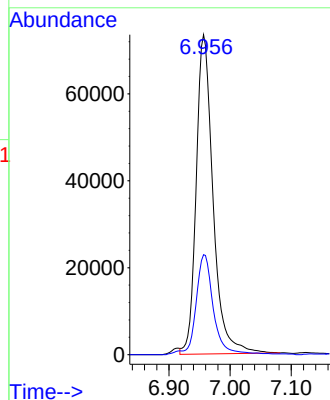
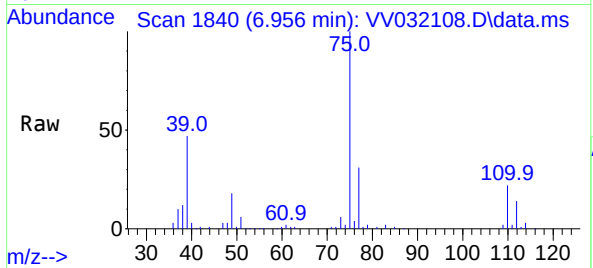
EX821MSD

Tgt Ion: 75 Resp: 140812

Ion Ratio Lower Upper

75 100

77 31.3 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 110.627 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032108.D

Acq: 14 Sep 2023 23:21

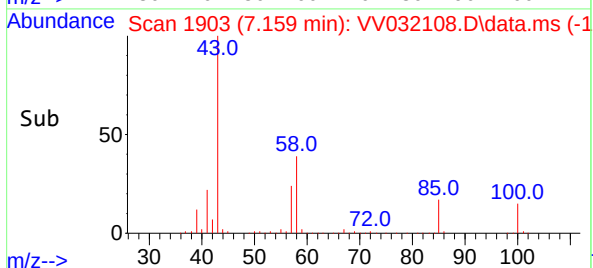
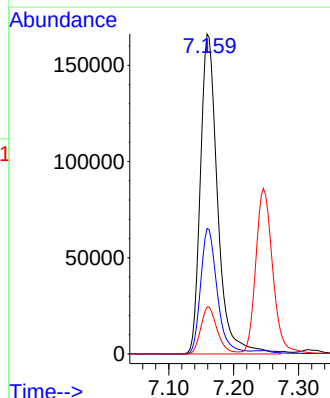
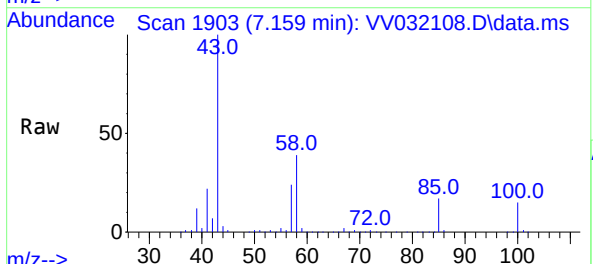
Tgt Ion: 43 Resp: 307209

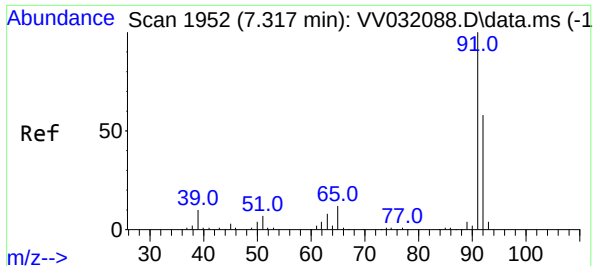
Ion Ratio Lower Upper

43 100

58 38.1 31.1 46.7

100 14.1 11.9 17.9





#42

Toluene

Concen: 49.487 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV032108.D

Acq: 14 Sep 2023 23:21

Instrument :

MSVOA_V

ClientSampleId :

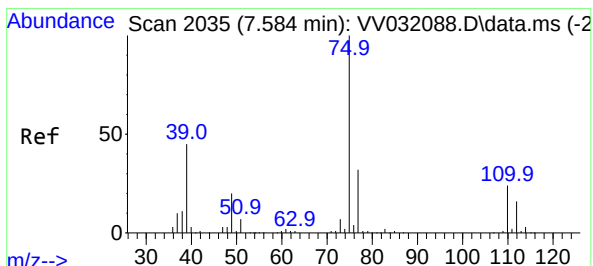
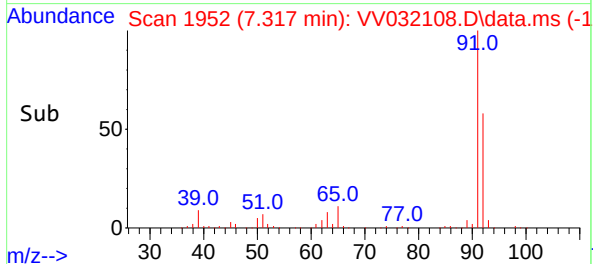
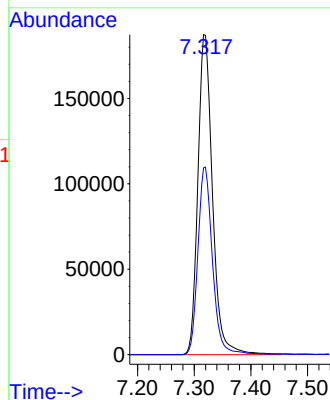
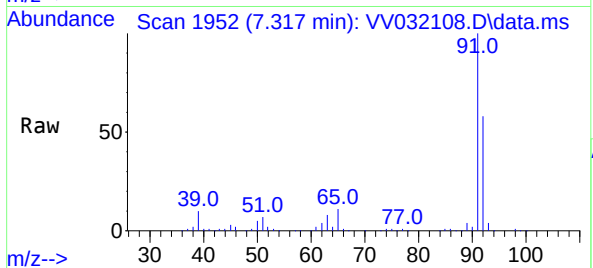
EX821MSD

Tgt Ion: 91 Resp: 336019

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 45.213 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV032108.D

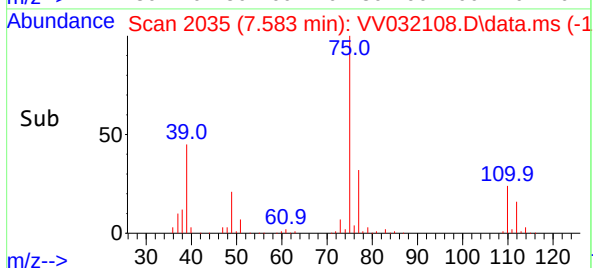
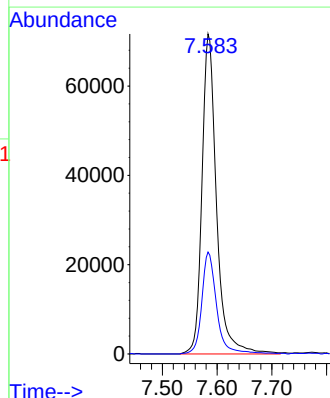
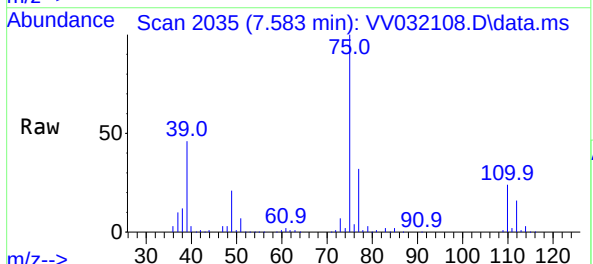
Acq: 14 Sep 2023 23:21

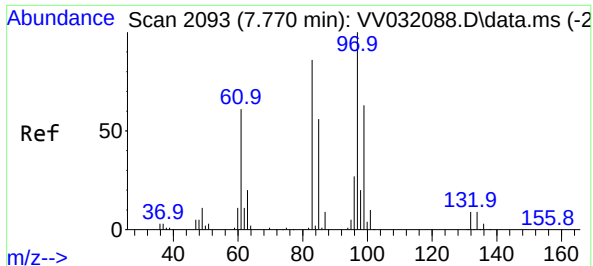
Tgt Ion: 75 Resp: 132142

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.9



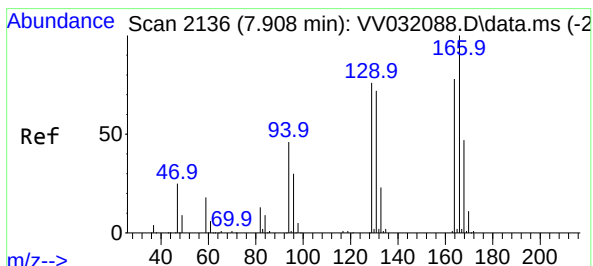
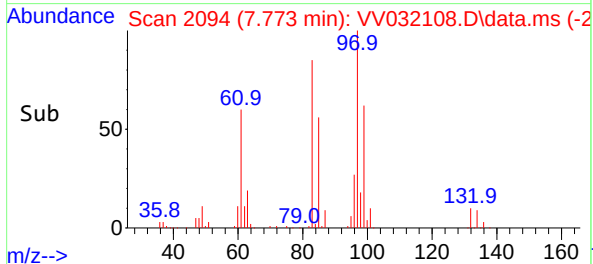
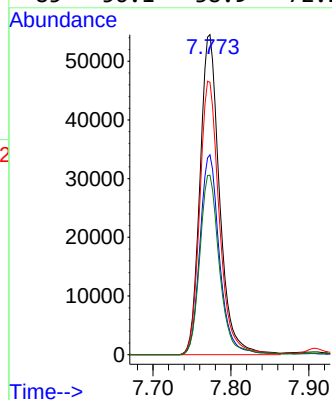
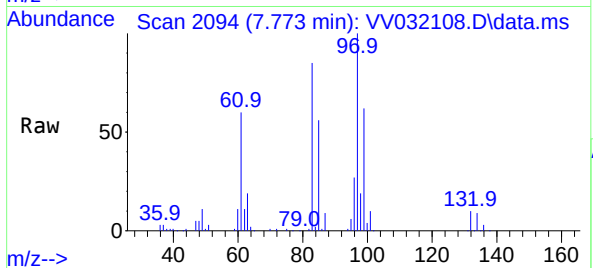


#45
1,1,2-Trichloroethane
Concen: 53.867 ug/L
RT: 7.773 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

Tgt Ion: 97 Resp: 95216

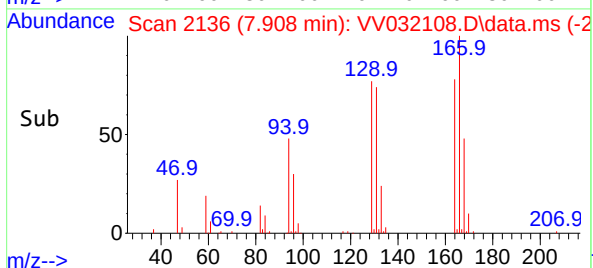
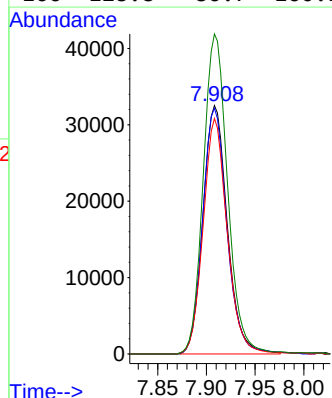
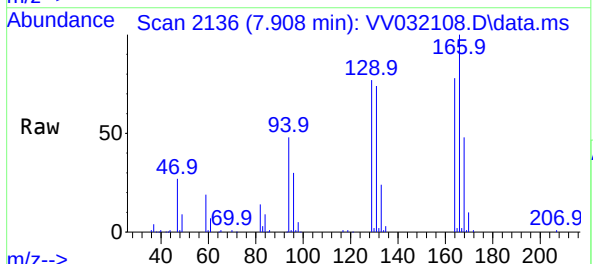
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.0	79.8
83	85.1	61.2	113.6
85	56.1	38.9	72.2

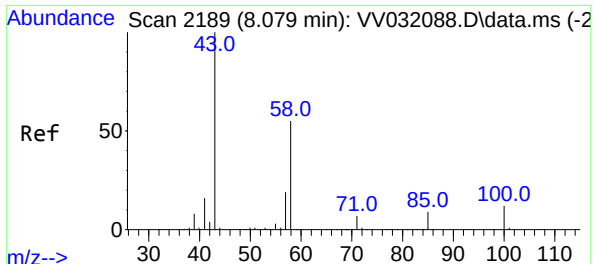


#46
Tetrachloroethene
Concen: 47.753 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion: 164 Resp: 56604

Ion	Ratio	Lower	Upper
164	100		
129	98.9	68.3	126.9
131	94.8	64.9	120.5
166	128.8	86.7	160.9



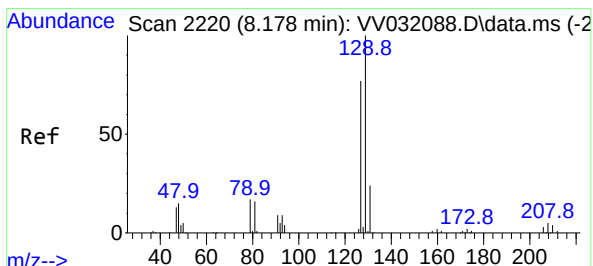
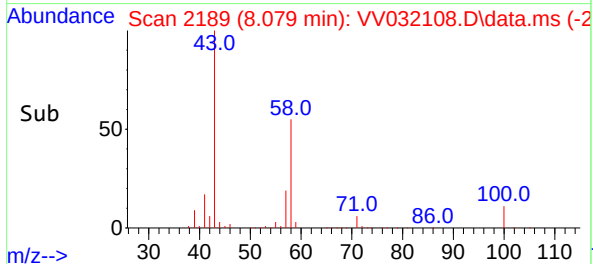
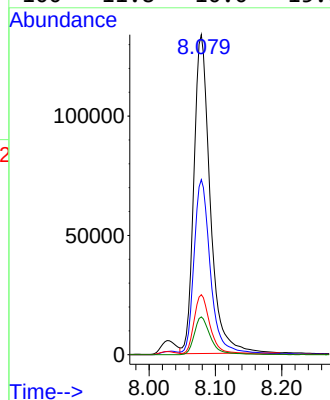
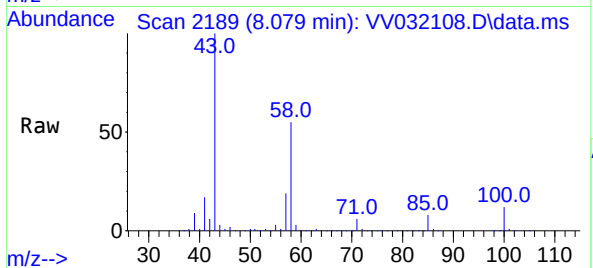


#48
2-Hexanone
Concen: 107.755 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

Tgt Ion: 43 Resp: 228517

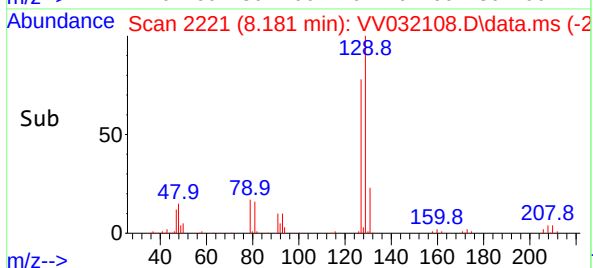
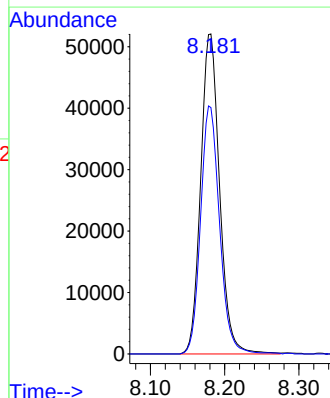
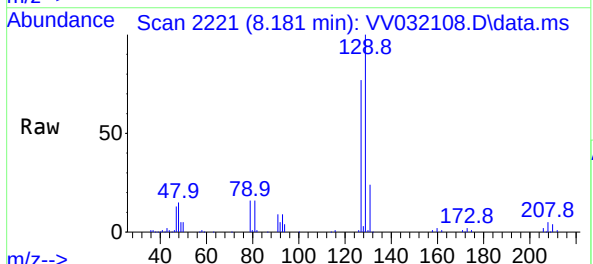
Ion	Ratio	Lower	Upper
43	100		
58	54.9	44.0	66.0
57	18.5	15.9	23.9
100	11.8	10.0	15.0

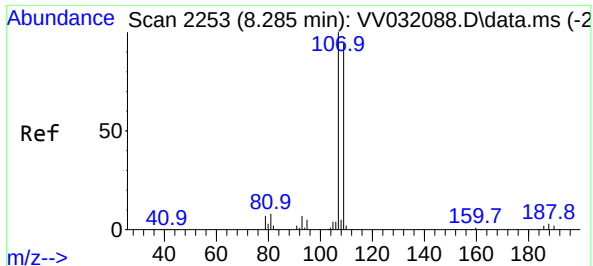


#49
Dibromochloromethane
Concen: 50.795 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion: 129 Resp: 92264

Ion	Ratio	Lower	Upper
129	100		
127	77.0	54.7	101.7



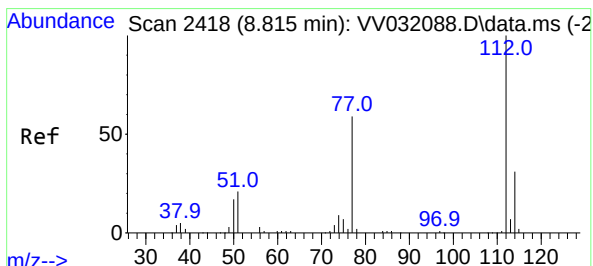
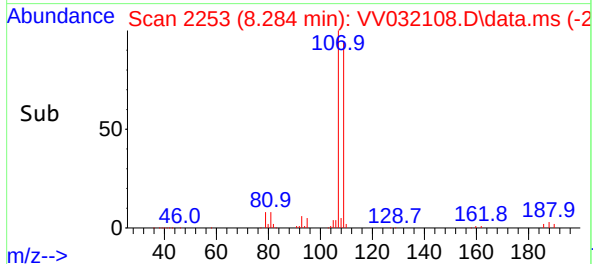
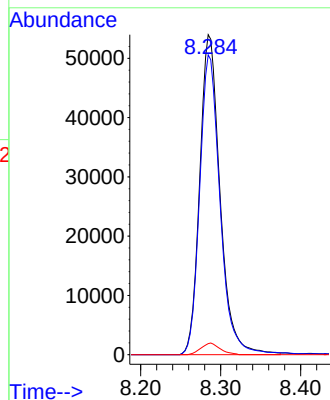
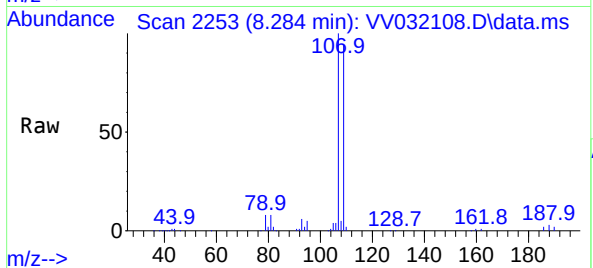


#50
1,2-Dibromoethane
Concen: 51.617 ug/L
RT: 8.284 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

Tgt Ion:107 Resp: 95563

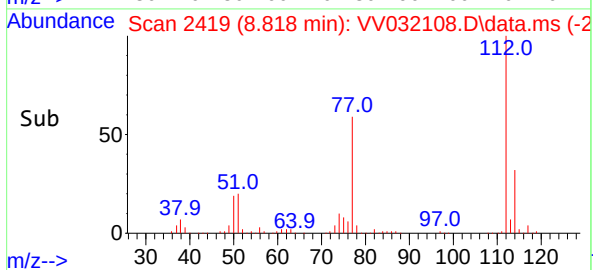
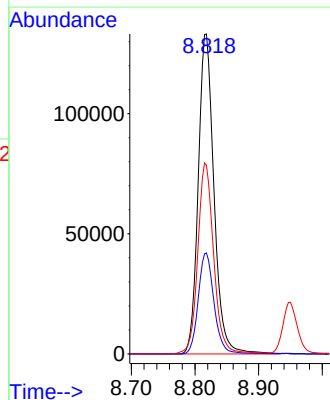
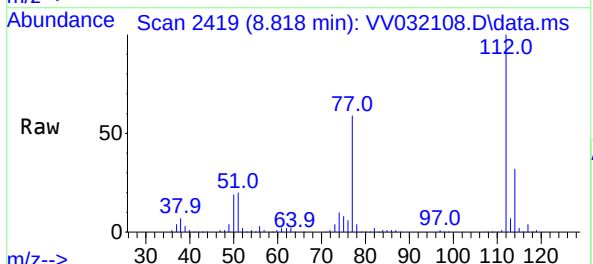
Ion	Ratio	Lower	Upper
107	100		
109	93.7	65.4	121.4
188	3.5	2.8	4.2

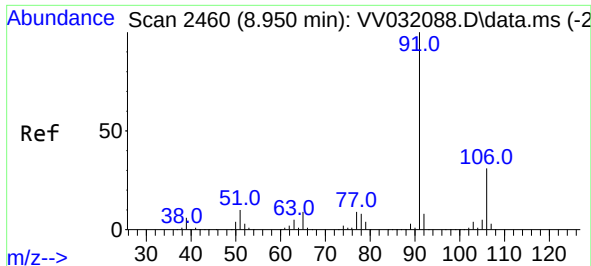


#51
Chlorobenzene
Concen: 50.783 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.003 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion:112 Resp: 229122

Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.0	40.8
77	59.0	49.4	74.0

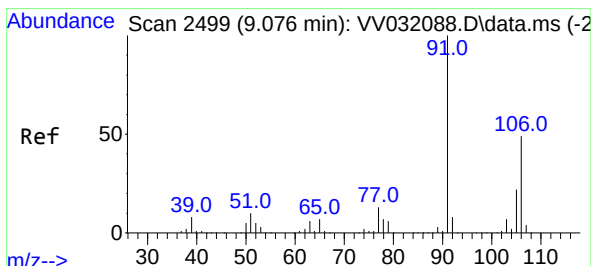
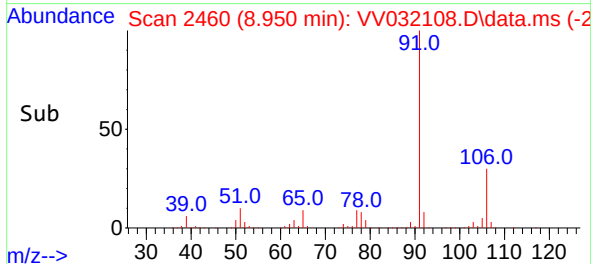
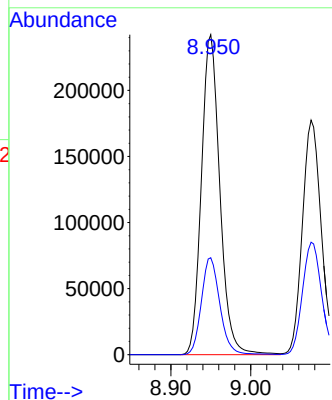
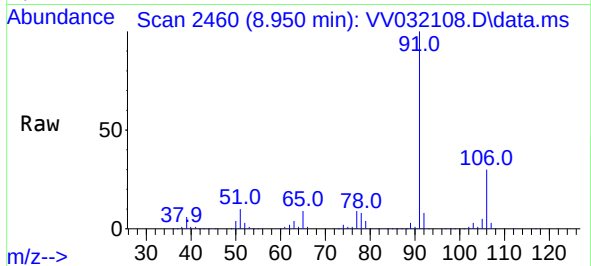




#52
Ethylbenzene
Concen: 48.394 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

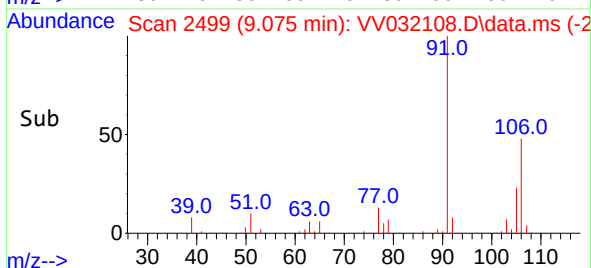
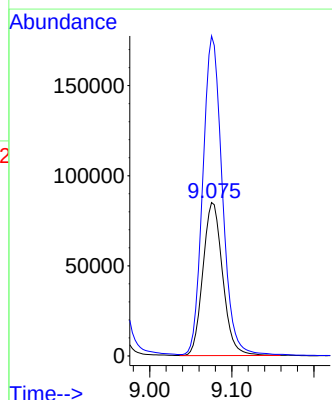
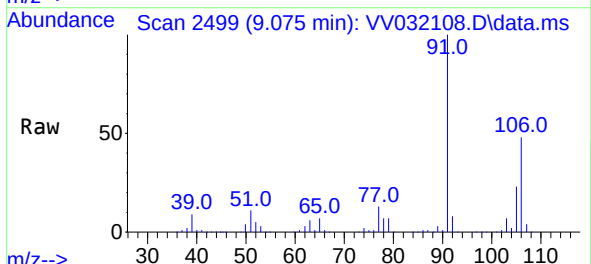
Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

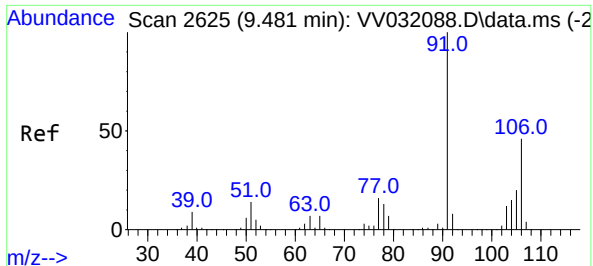
Tgt Ion: 91 Resp: 389237
Ion Ratio Lower Upper
91 100
106 30.3 21.5 39.9



#53
m,p-Xylene
Concen: 47.579 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion:106 Resp: 142090
Ion Ratio Lower Upper
106 100
91 208.5 147.0 273.0

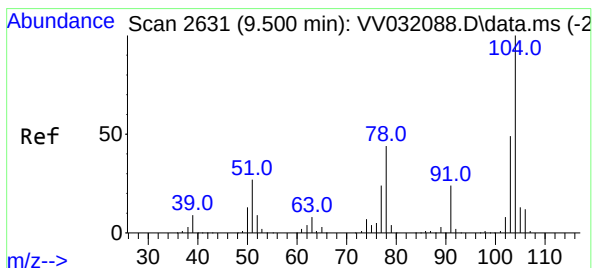
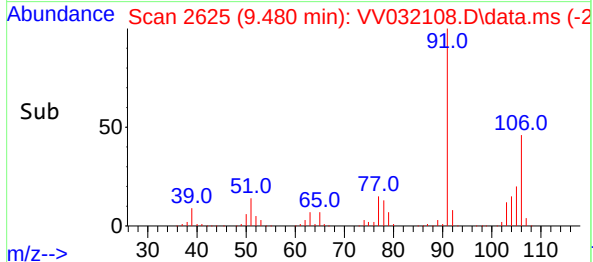
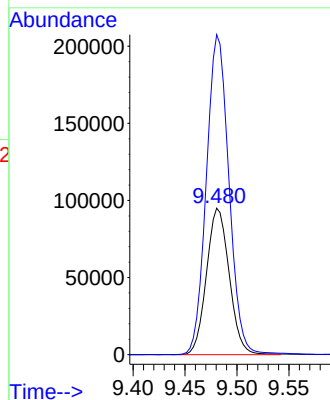
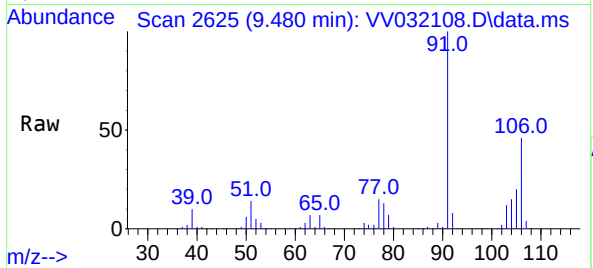




#54
o-Xylene
Concen: 48.721 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

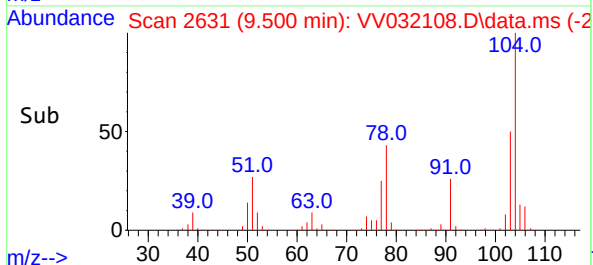
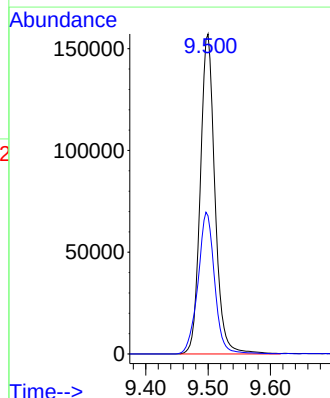
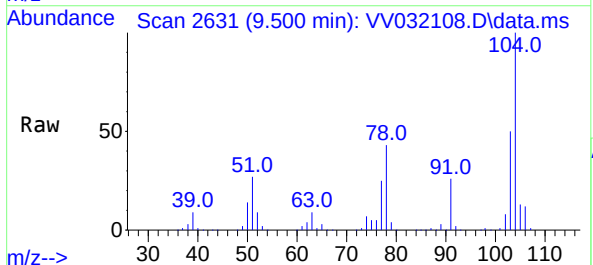
Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

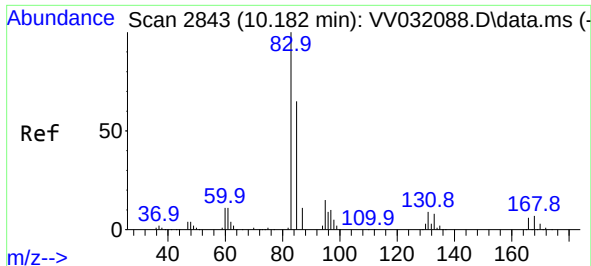
Tgt Ion:106 Resp: 144711
Ion Ratio Lower Upper
106 100
91 218.4 154.3 286.5



#55
Styrene
Concen: 48.916 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion:104 Resp: 256846
Ion Ratio Lower Upper
104 100
78 43.2 32.3 59.9

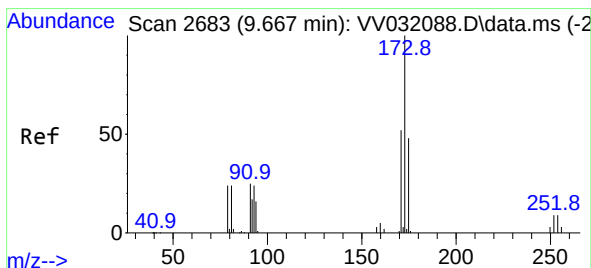
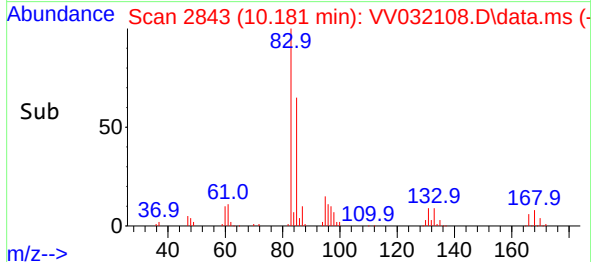
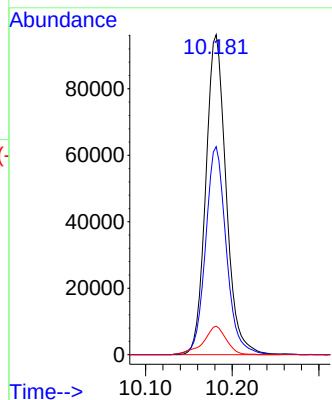
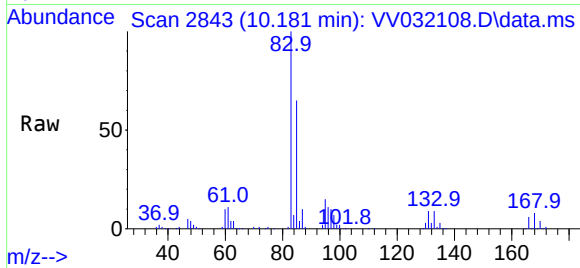




#57
1,1,2,2-Tetrachloroethane
Concen: 62.586 ug/L
RT: 10.181 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

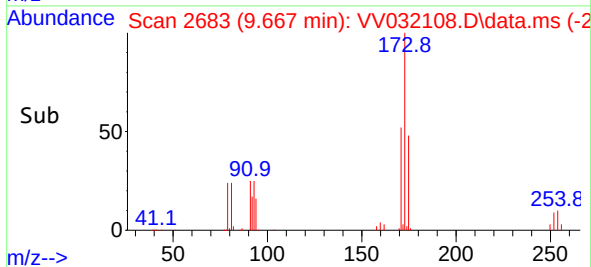
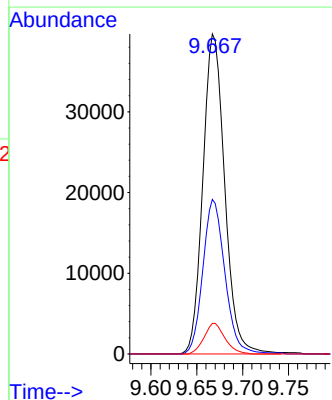
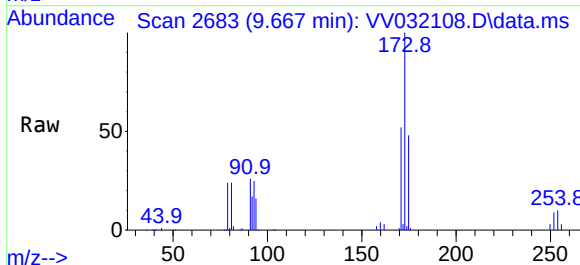
Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

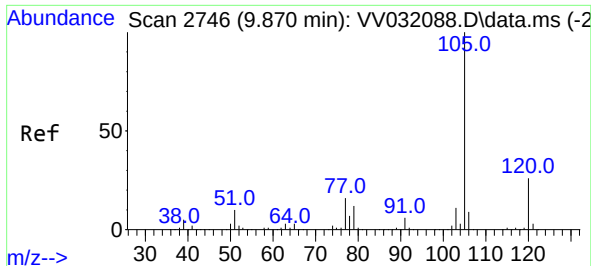
Tgt Ion: 83 Resp: 156606
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.9
131 8.9 7.4 11.2



#59
Bromoform
Concen: 51.328 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion: 173 Resp: 65707
Ion Ratio Lower Upper
173 100
175 48.6 38.3 57.5
254 9.1 6.9 10.3

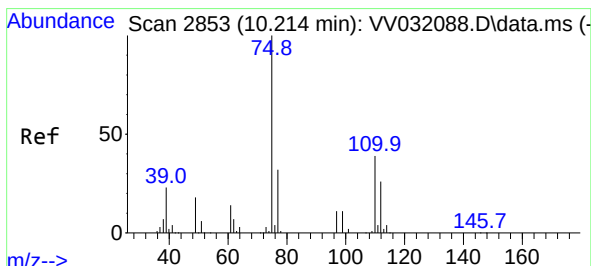
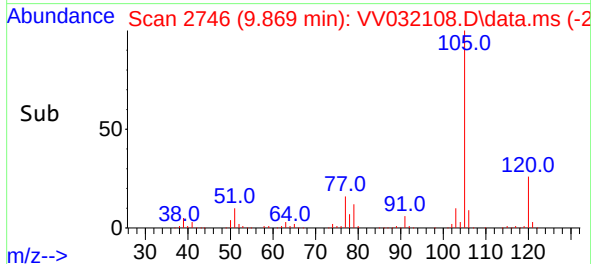
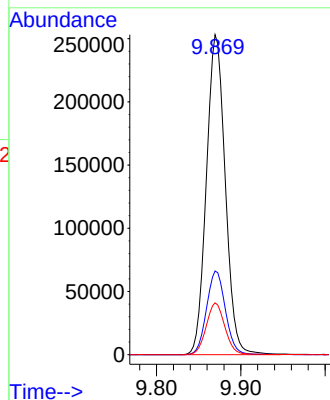
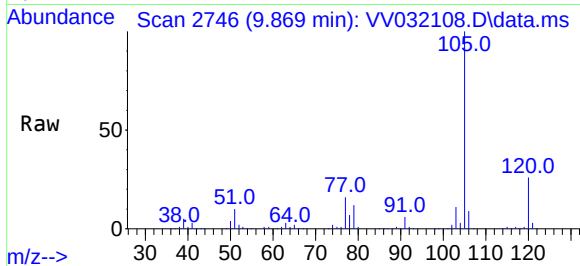




#60
Isopropylbenzene
Concen: 47.817 ug/L
RT: 9.869 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

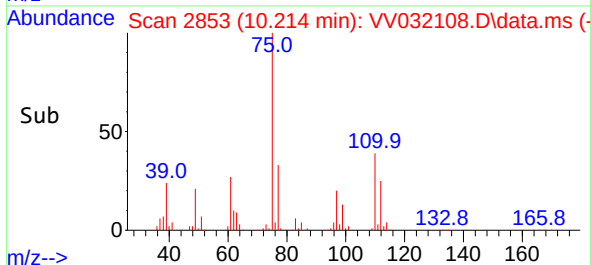
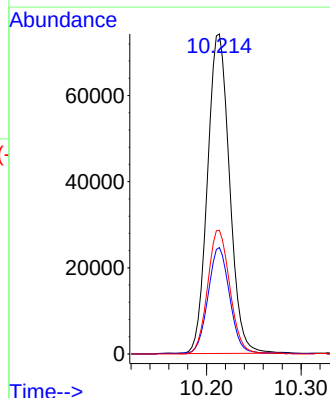
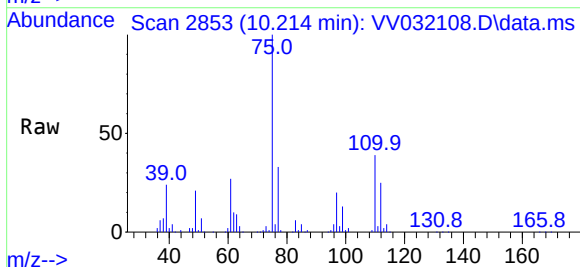
Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

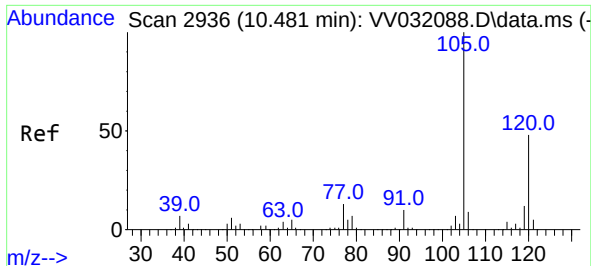
Tgt Ion:105 Resp: 395370
Ion Ratio Lower Upper
105 100
120 26.2 20.6 31.0
77 16.1 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 51.574 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion: 75 Resp: 120285
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5
110 39.1 30.3 45.5

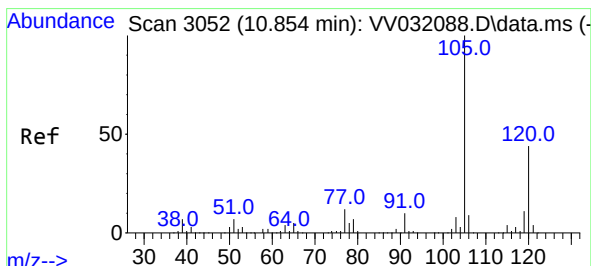
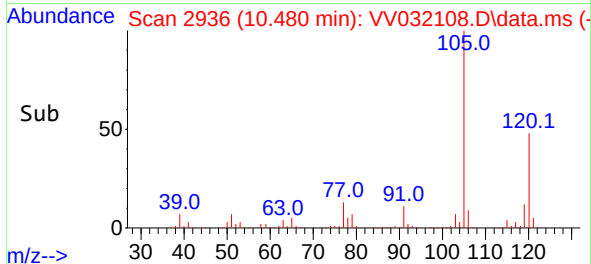
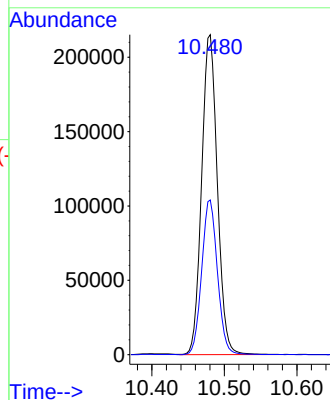
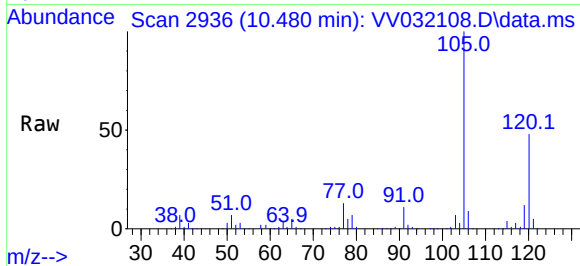




#62
1,3,5-Trimethylbenzene
Concen: 46.500 ug/L
RT: 10.480 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

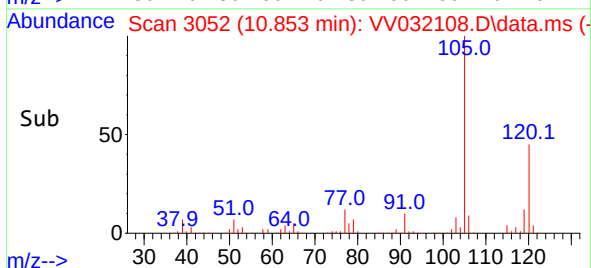
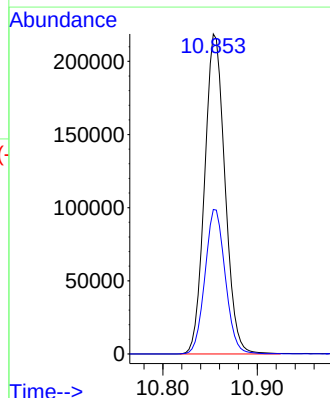
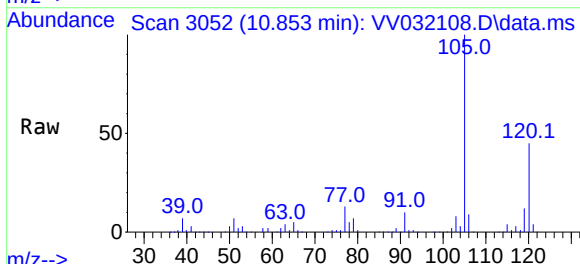
Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

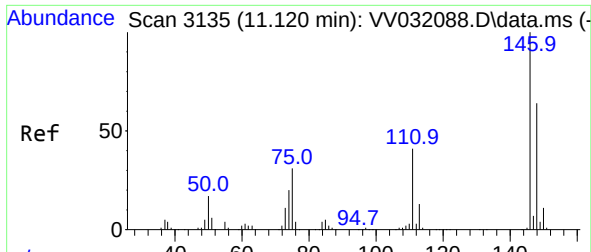
Tgt Ion:105 Resp: 323460
Ion Ratio Lower Upper
105 100
120 48.4 38.2 57.4



#63
1,2,4-Trimethylbenzene
Concen: 46.779 ug/L
RT: 10.853 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion:105 Resp: 327344
Ion Ratio Lower Upper
105 100
120 45.0 35.9 53.9

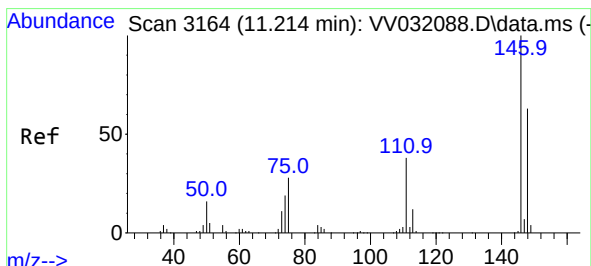
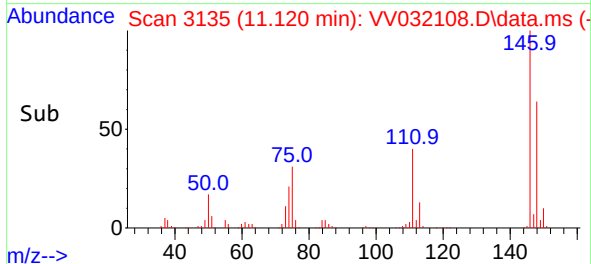
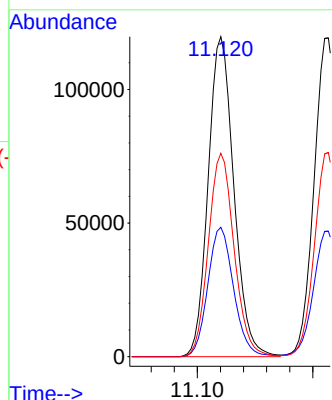
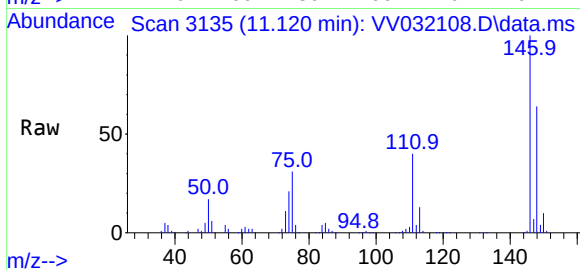




#64
1,3-Dichlorobenzene
Concen: 49.957 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

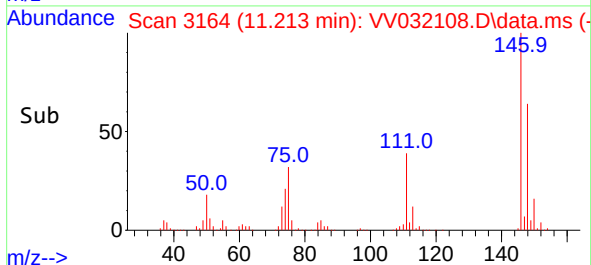
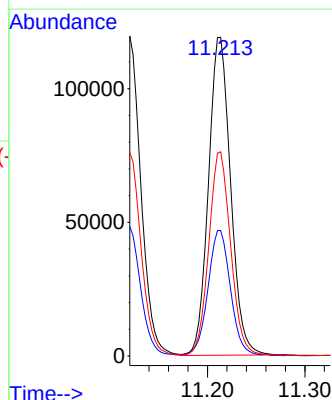
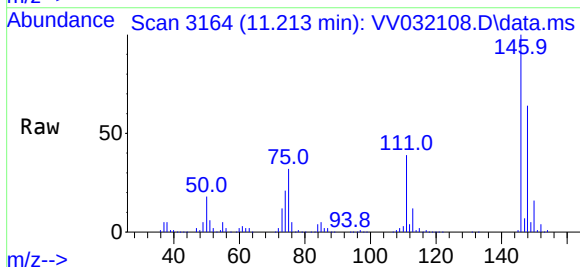
Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

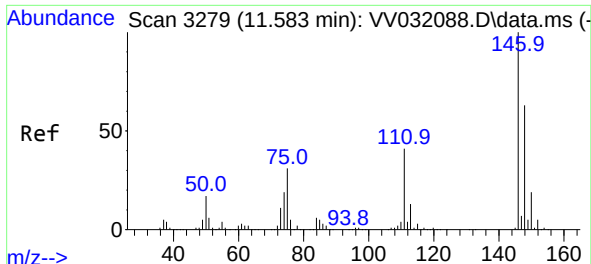
Tgt Ion:146 Resp: 185120
Ion Ratio Lower Upper
146 100
111 40.5 30.2 56.0
148 63.6 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 49.822 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion:146 Resp: 187730
Ion Ratio Lower Upper
146 100
111 39.4 28.5 52.9
148 64.1 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 51.289 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032108.D

Acq: 14 Sep 2023 23:21

Instrument :

MSVOA_V

ClientSampleId :

EX821MSD

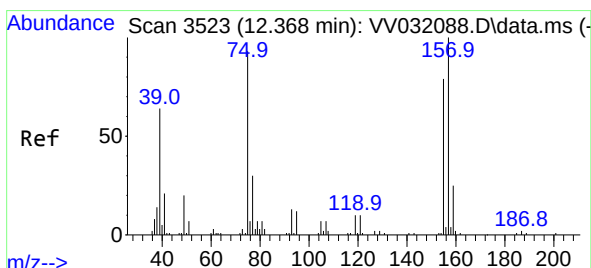
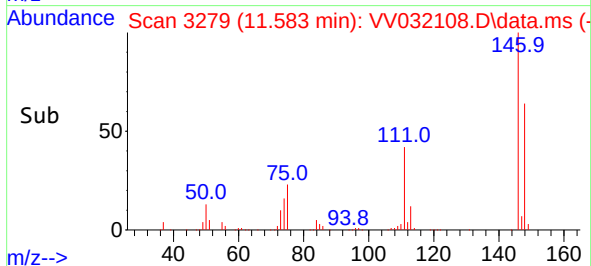
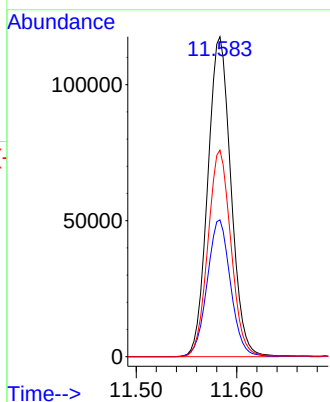
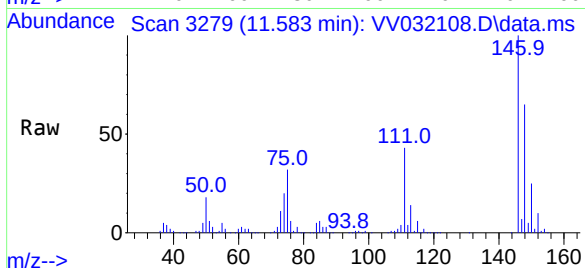
Tgt Ion:146 Resp: 188329

Ion Ratio Lower Upper

146 100

111 42.8 35.8 53.6

148 64.5 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 46.843 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032108.D

Acq: 14 Sep 2023 23:21

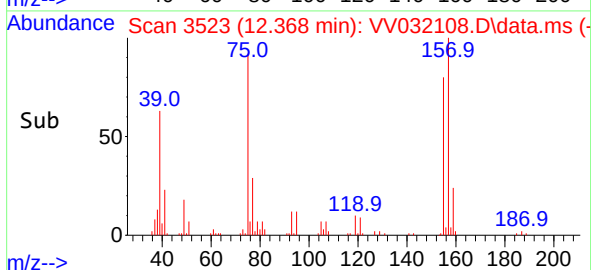
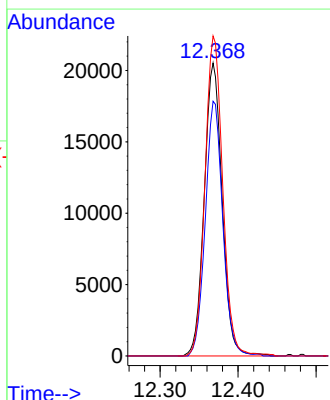
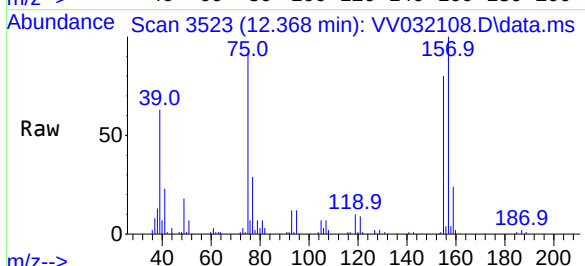
Tgt Ion: 75 Resp: 32816

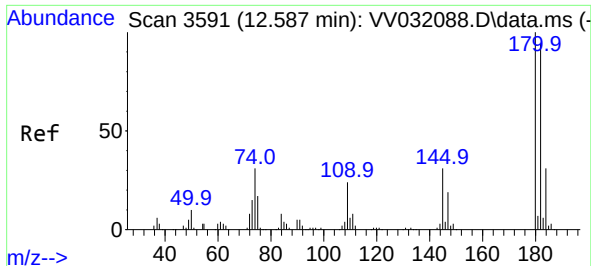
Ion Ratio Lower Upper

75 100

155 87.0 60.1 90.1

157 109.2 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 47.944 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.000 min

Lab File: VV032108.D

Acq: 14 Sep 2023 23:21

Instrument :

MSVOA_V

ClientSampleId :

EX821MSD

Tgt Ion:180 Resp: 129514

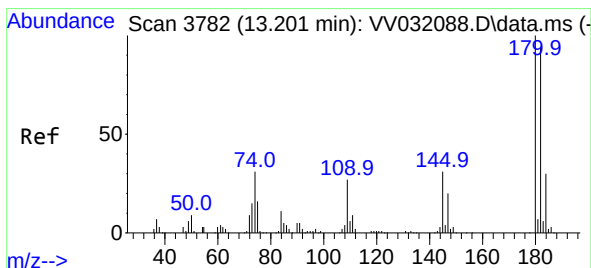
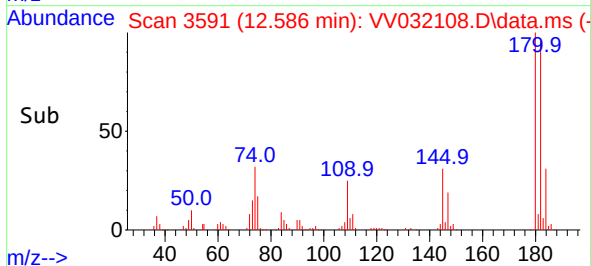
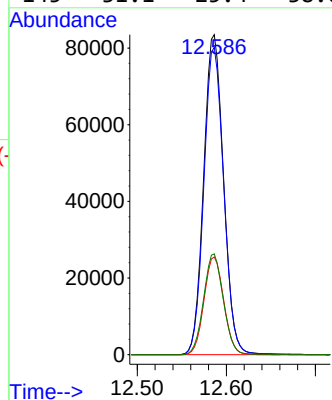
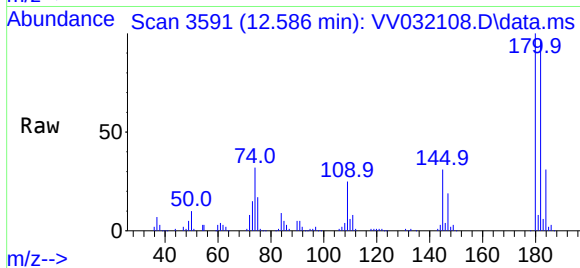
Ion Ratio Lower Upper

180 100

182 95.7 75.4 113.2

184 30.2 23.7 35.5

145 31.1 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 48.493 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032108.D

Acq: 14 Sep 2023 23:21

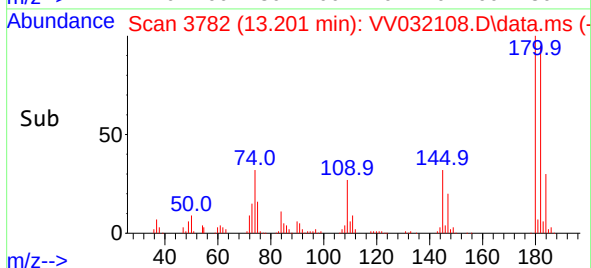
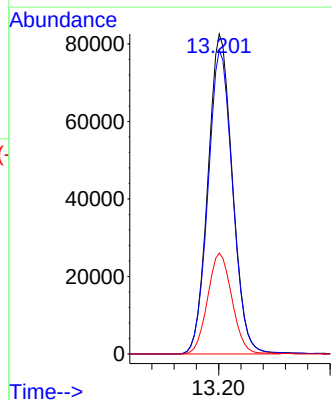
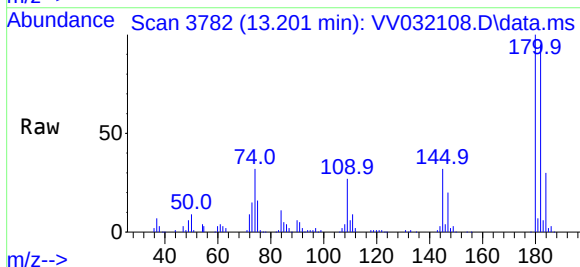
Tgt Ion:180 Resp: 125743

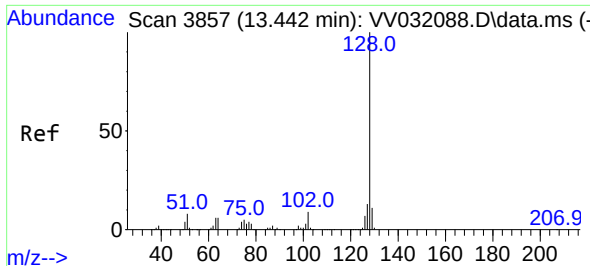
Ion Ratio Lower Upper

180 100

182 95.7 75.4 113.2

145 31.4 26.0 39.0



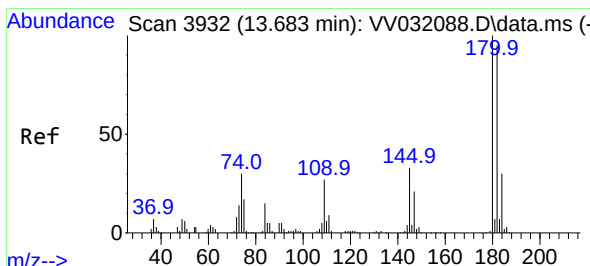
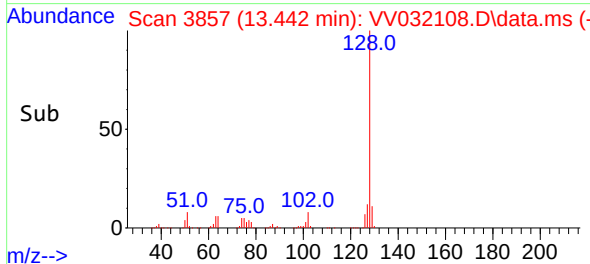
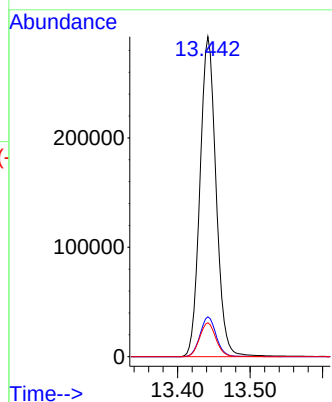
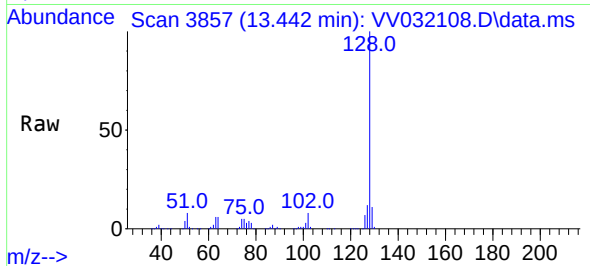


#71
Naphthalene
Concen: 54.471 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Instrument :
MSVOA_V
ClientSampleId :
EX821MSD

Tgt Ion:128 Resp: 451264

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.7	8.7	13.1



#72
1,2,3-Trichlorobenzene
Concen: 51.702 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. -0.000 min
Lab File: VV032108.D
Acq: 14 Sep 2023 23:21

Tgt Ion:180 Resp: 128463

Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.7	115.1
145	33.4	27.7	41.5

