

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091423\
 Data File : VV032088.D
 Acq On : 14 Sep 2023 13:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 15 07:58:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 14 06:19:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	276682	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	269685	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	147033	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	64853	37.453	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.900%
7) Chloroethane-d5	1.529	69	58149	38.308	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.620%
11) 1,1-Dichloroethene-d2	2.060	65	29652	36.571	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.140%
21) 2-Butanone-d5	3.790	46	140655	103.280	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.280%
24) Chloroform-d	4.253	84	162783	43.010	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.020%
26) 1,2-Dichloroethane-d4	4.944	65	100068	39.841	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.680%
32) Benzene-d6	4.963	84	306215	41.611	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.220%
36) 1,2-Dichloropropane-d6	5.992	67	101831	42.992	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.980%
41) Toluene-d8	7.246	98	279282	41.189	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.380%
43) trans-1,3-Dichloroprop...	7.555	79	51692	42.106	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.220%
47) 2-Hexanone-d5	8.027	63	94796	130.579	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	130.580%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	150479	49.164	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.320%
66) 1,2-Dichlorobenzene-d4	11.564	152	118837	44.337	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	72187	42.857	ug/L	98
3) Chloromethane	1.217	50	77319	45.017	ug/L	100
5) Vinyl chloride	1.282	62	80797	44.049	ug/L	98
6) Bromomethane	1.484	94	49786	46.098	ug/L	98
8) Chloroethane	1.549	64	54285	44.532	ug/L	99
9) Trichlorofluoromethane	1.712	101	123437	46.165	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	79206	49.061	ug/L	99
12) 1,1-Dichloroethene	2.069	96	66017	45.526	ug/L	83
13) Acetone	2.111	43	130027	107.270	ug/L	97
14) Carbon disulfide	2.240	76	146387	44.304	ug/L	99
15) Methyl Acetate	2.372	43	113992	52.729	ug/L	99
16) Methylene chloride	2.446	84	99490	53.390	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	76039	47.830	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	324459	48.290	ug/L	98
19) 1,1-Dichloroethane	3.114	63	175410	49.234	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	100546	50.411	ug/L	96
22) 2-Butanone	3.867	43	170230	106.132	ug/L	99
23) Bromochloromethane	4.150	128	50395	52.079	ug/L	98
25) Chloroform	4.278	83	180420	48.705	ug/L	99

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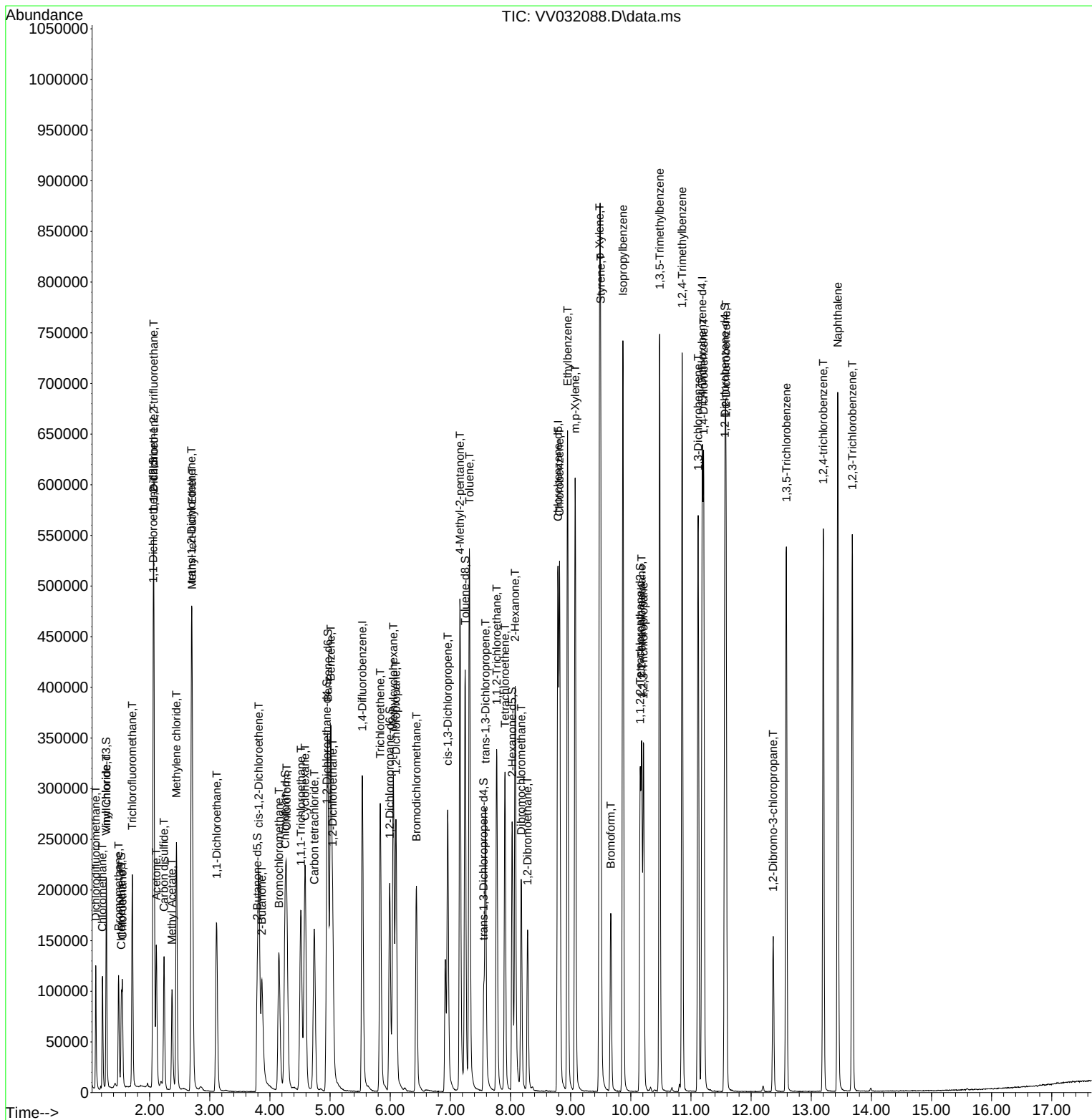
Instrument :
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 ClientSampleId :

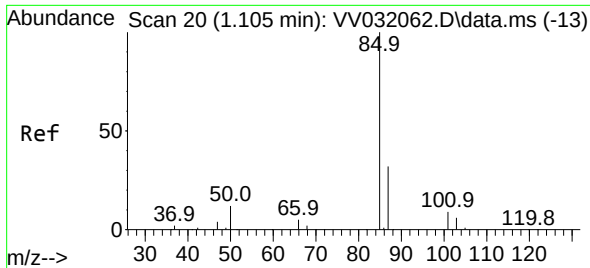
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 14 06:19:55 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.044	62	134589	46.118	ug/L	97
29) Cyclohexane	4.584	56	131305	46.762	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	151018	48.008	ug/L	99
31) Carbon tetrachloride	4.738	117	124584	46.641	ug/L	100
33) Benzene	5.011	78	358175	49.429	ug/L	100
34) Trichloroethene	5.835	95	101537	45.817	ug/L	98
35) Methylcyclohexane	6.053	83	130130	44.147	ug/L	96
37) 1,2-Dichloropropane	6.095	63	102381	49.847	ug/L	100
38) Bromodichloromethane	6.436	83	142276	48.802	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	171023	47.893	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	338040	103.695	ug/L	100
42) Toluene	7.317	91	395529	49.621	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	159825	46.583	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	107011	51.571	ug/L	99
46) Tetrachloroethene	7.908	164	69659	50.060	ug/L	98
48) 2-Hexanone	8.079	43	263308	105.766	ug/L	99
49) Dibromochloromethane	8.178	129	107104	50.229	ug/L	98
50) 1,2-Dibromoethane	8.285	107	110006	50.615	ug/L	100
51) Chlorobenzene	8.815	112	267211	50.450	ug/L	99
52) Ethylbenzene	8.950	91	458836	48.595	ug/L	100
53) m,p-Xylene	9.076	106	172217	49.124	ug/L	97
54) o-Xylene	9.481	106	171391	49.155	ug/L	98
55) Styrene	9.500	104	307674	49.915	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.182	83	164838	56.116	ug/L	99
59) Bromoform	9.667	173	78138	51.248	ug/L	100
60) Isopropylbenzene	9.870	105	473386	48.069	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	134901	48.563	ug/L	98
62) 1,3,5-Trimethylbenzene	10.481	105	389634	47.028	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	397854	47.735	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	226339	51.283	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	228349	50.881	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	223801	51.173	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	37862	45.376	ug/L	89
69) 1,3,5-Trichlorobenzene	12.587	180	163236	50.734	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	160501	51.969	ug/L	99
71) Naphthalene	13.442	128	525346	53.241	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	157730	53.298	ug/L	99

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

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QLast Update : Thu Sep 14 06:19:55 2023
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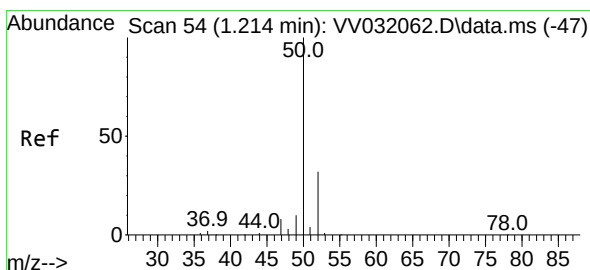
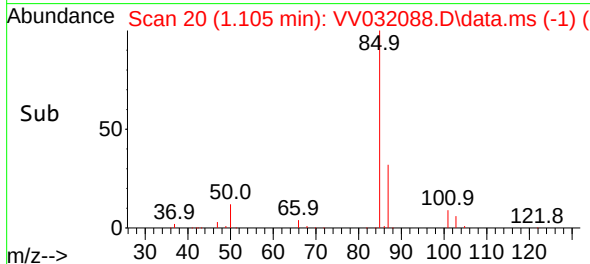
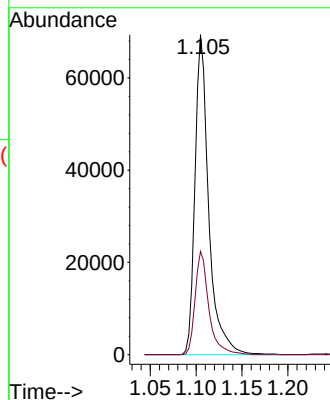
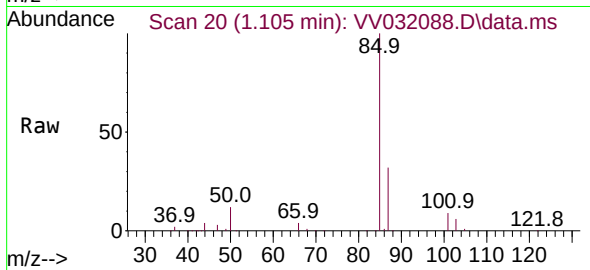




#2
 Dichlorodifluoromethane
 Concen: 42.857 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032088.D
 Acq: 14 Sep 2023 13:44

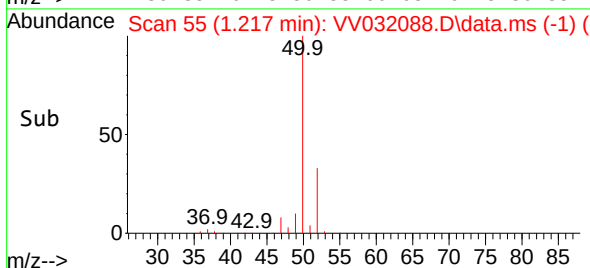
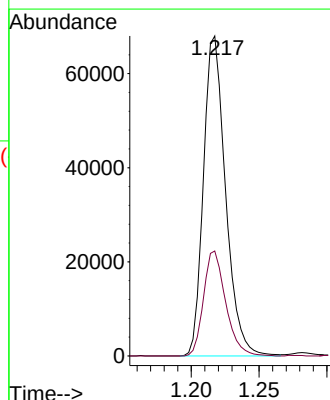
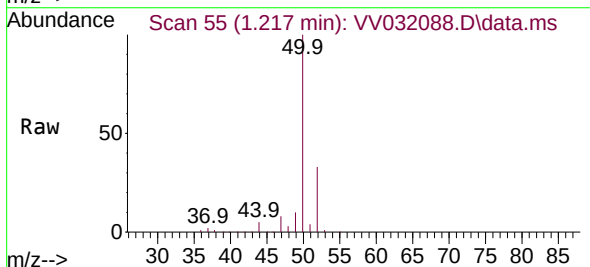
Instrument :
 MSVOA_V
 ClientSampleId :

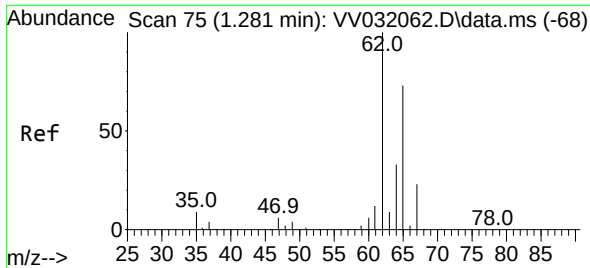
Tgt Ion: 85 Resp: 72187
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.8 40.2



#3
 Chloromethane
 Concen: 45.017 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV032088.D
 Acq: 14 Sep 2023 13:44

Tgt Ion: 50 Resp: 77319
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.0 42.6

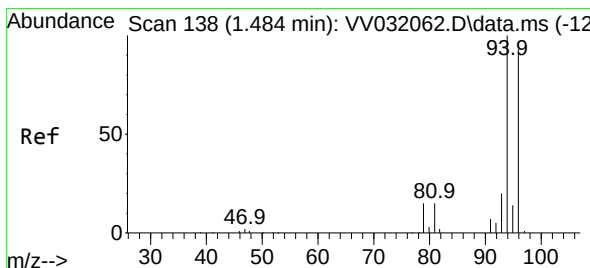
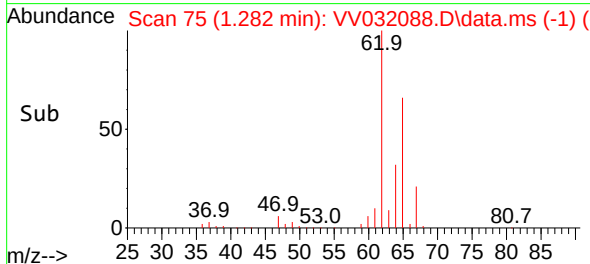
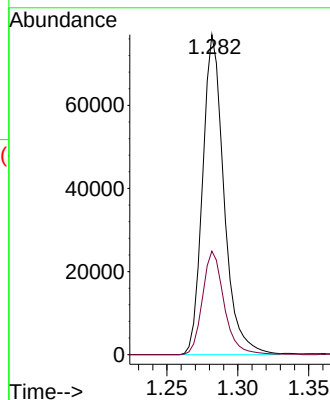
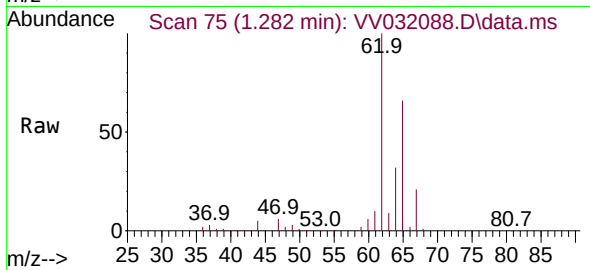




#5
 Vinyl chloride
 Concen: 44.049 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV032088.D
 Acq: 14 Sep 2023 13:44

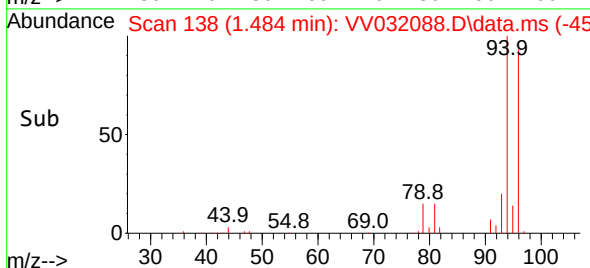
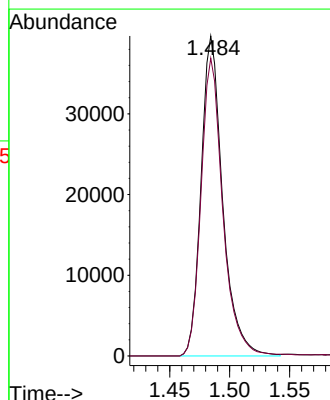
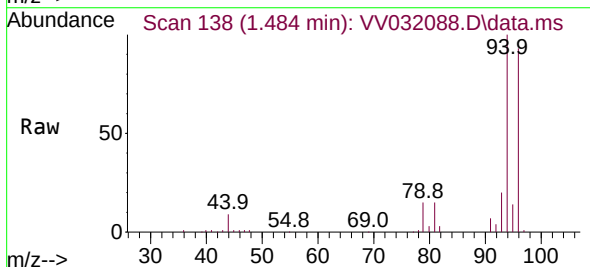
Instrument :
 MSVOA_V
 ClientSampleId :

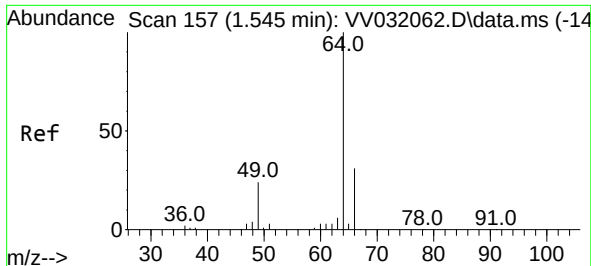
Tgt Ion: 62 Resp: 80797
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.6 43.8



#6
 Bromomethane
 Concen: 46.098 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV032088.D
 Acq: 14 Sep 2023 13:44

Tgt Ion: 94 Resp: 49786
 Ion Ratio Lower Upper
 94 100
 96 93.1 66.4 123.4

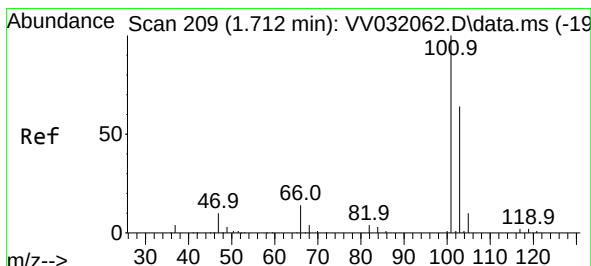
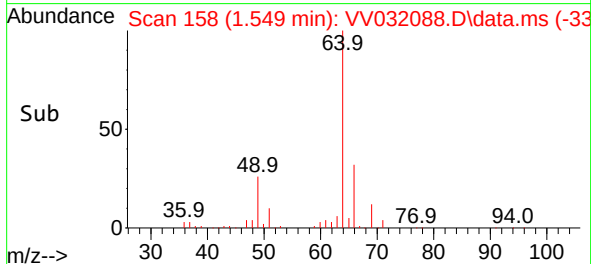
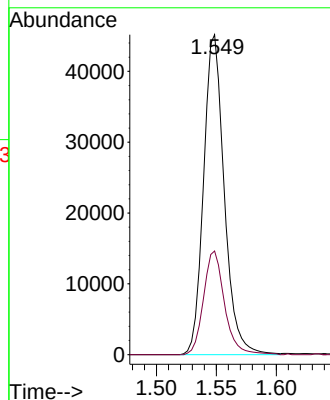
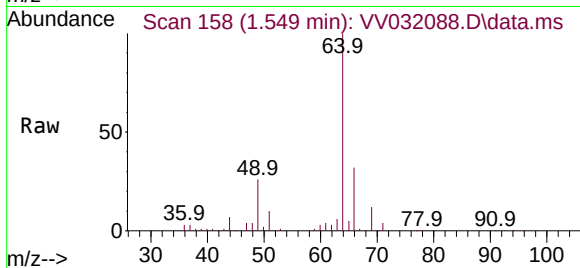




#8
Chloroethane
Concen: 44.532 ug/L
RT: 1.549 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

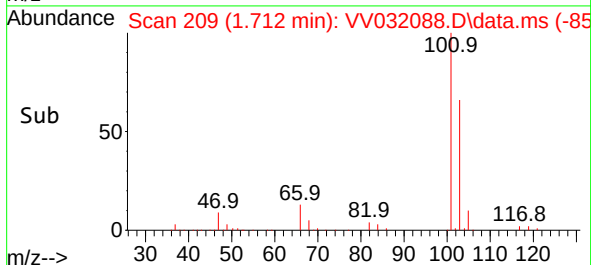
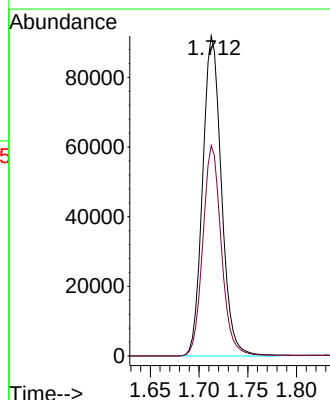
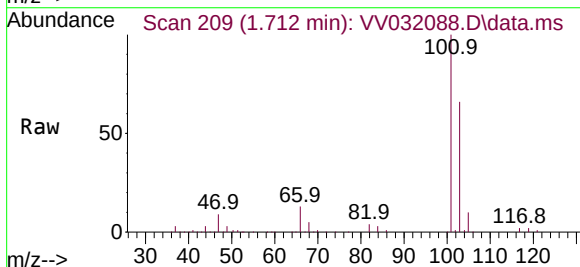
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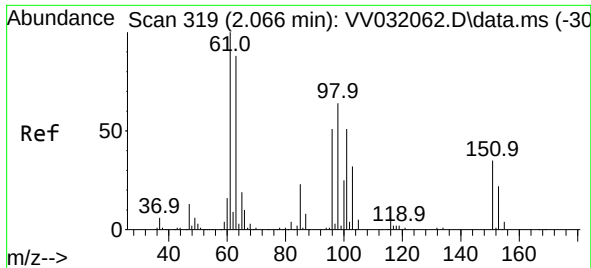
Tgt Ion: 64 Resp: 54285
Ion Ratio Lower Upper
64 100
66 32.4 23.2 43.2



#9
Trichlorofluoromethane
Concen: 46.165 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Tgt Ion:101 Resp: 123437
Ion Ratio Lower Upper
101 100
103 64.7 51.9 77.9





#10

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

Concen: 49.061 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Instrument :

MSVOA_V

ClientSampleId :

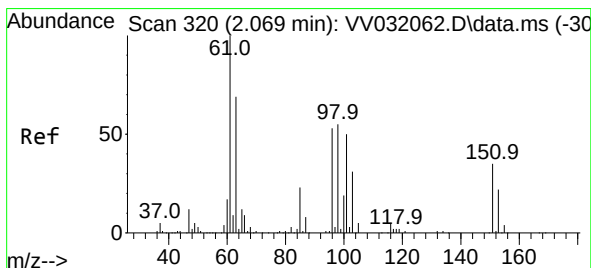
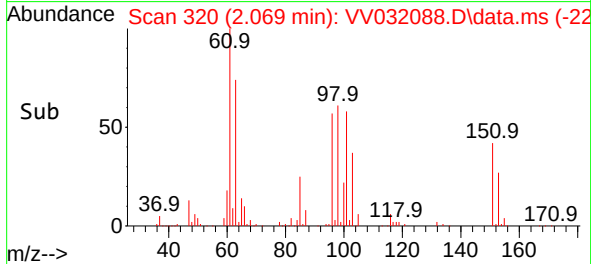
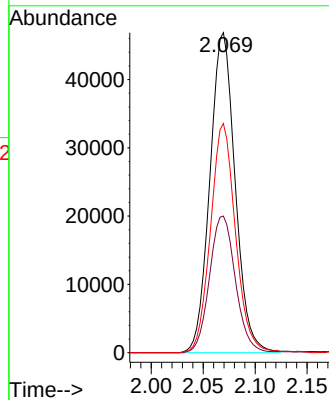
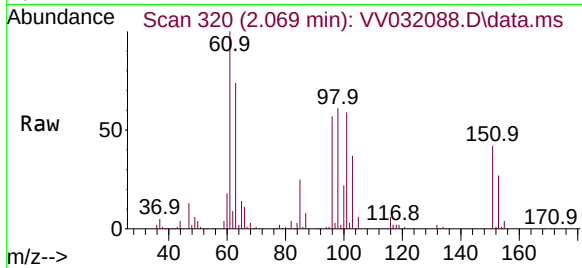
Tgt Ion:101 Resp: 79206

Ion Ratio Lower Upper

101 100

85 43.9 35.8 53.8

151 70.7 56.5 84.7



#12

1,1-Dichloroethene

Concen: 45.526 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

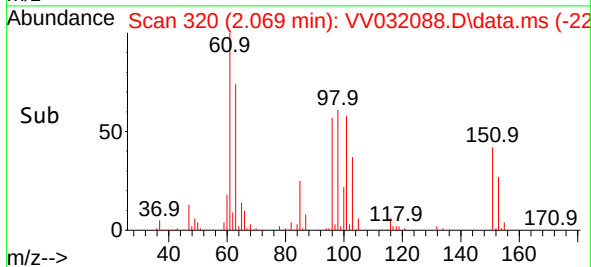
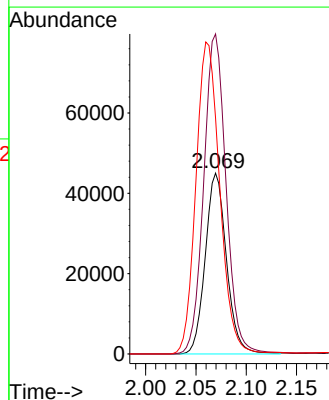
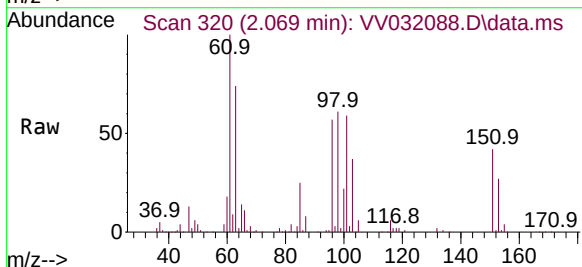
Tgt Ion: 96 Resp: 66017

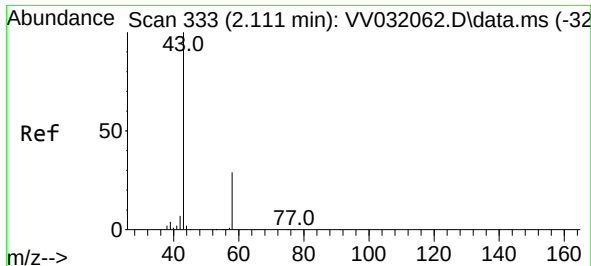
Ion Ratio Lower Upper

96 100

61 176.9 133.8 248.6

63 130.4 115.2 214.0





#13

Acetone

Concen: 107.270 ug/L

RT: 2.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Instrument :

MSVOA_V

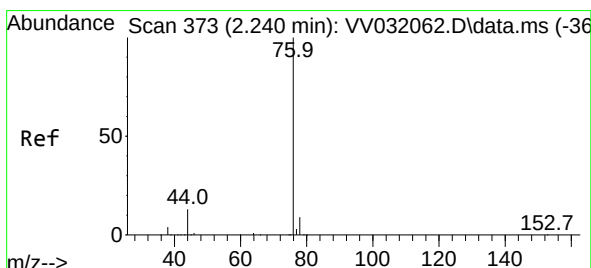
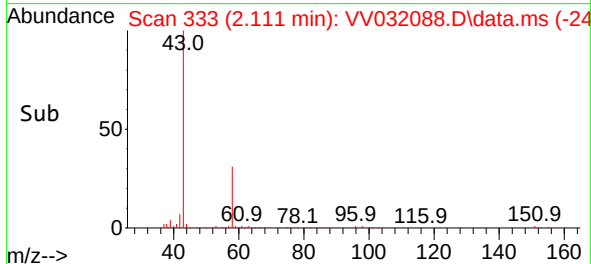
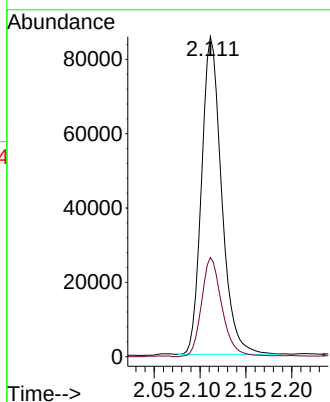
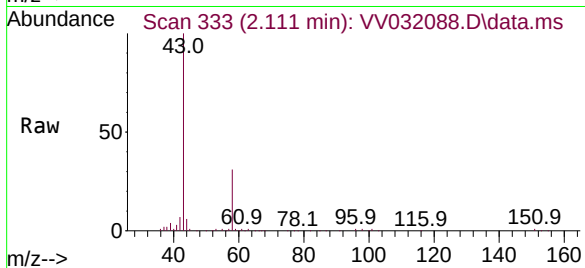
ClientSampleId :

Tgt Ion: 43 Resp: 130027

Ion Ratio Lower Upper

43 100

58 31.9 0.0 61.0



#14

Carbon disulfide

Concen: 44.304 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV032088.D

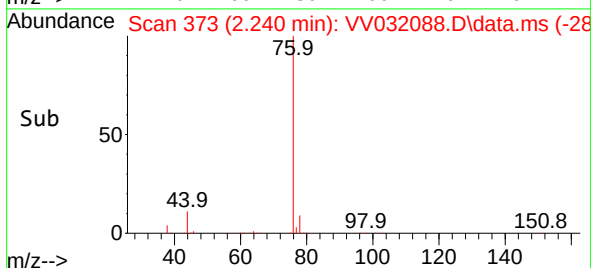
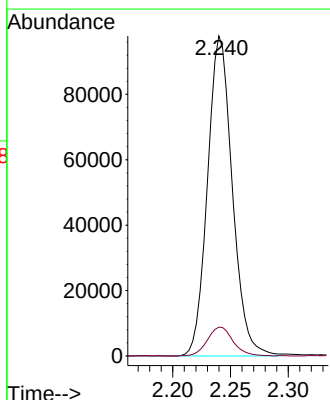
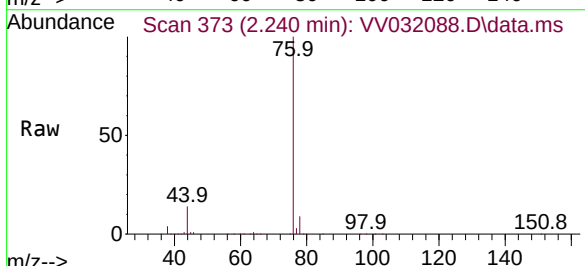
Acq: 14 Sep 2023 13:44

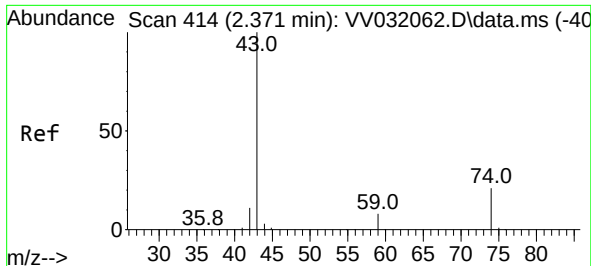
Tgt Ion: 76 Resp: 146387

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

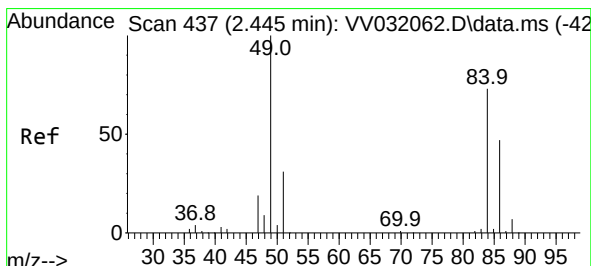
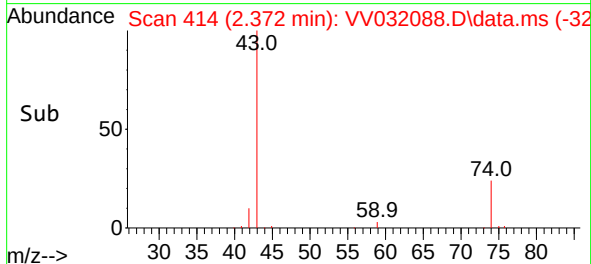
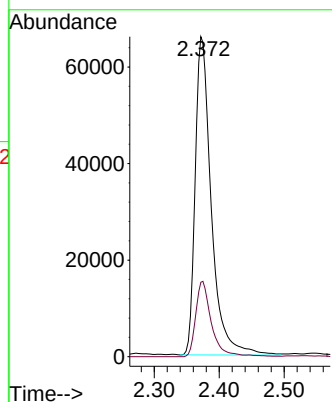
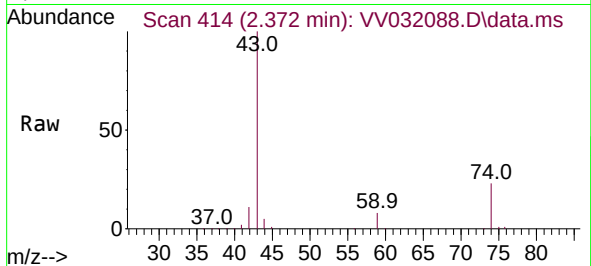




#15
Methyl Acetate
Concen: 52.729 ug/L
RT: 2.372 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

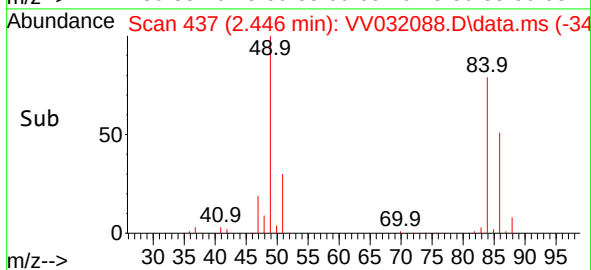
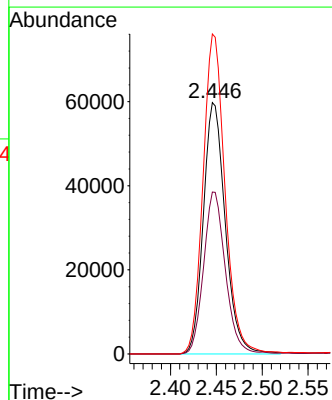
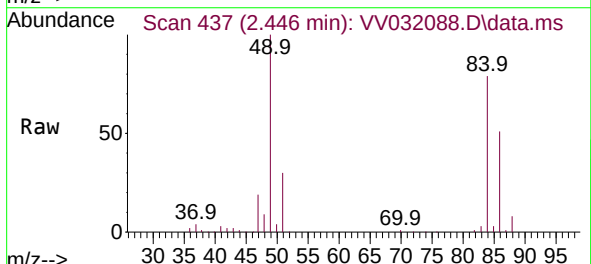
Instrument :
MSVOA_V
ClientSampleId :

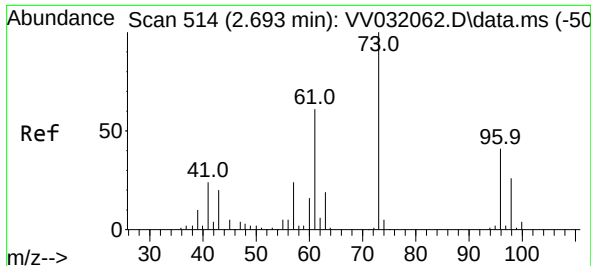
Tgt Ion: 43 Resp: 113992
Ion Ratio Lower Upper
43 100
74 22.7 17.9 26.9



#16
Methylene chloride
Concen: 53.390 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Tgt Ion: 84 Resp: 99490
Ion Ratio Lower Upper
84 100
86 64.4 44.6 82.8
49 127.3 91.6 170.2

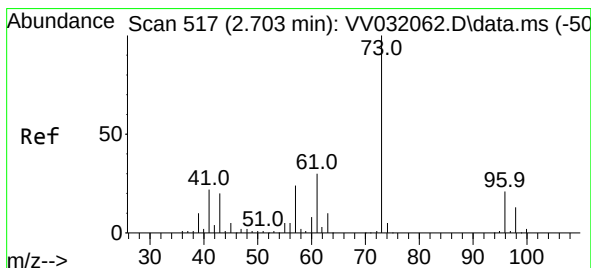
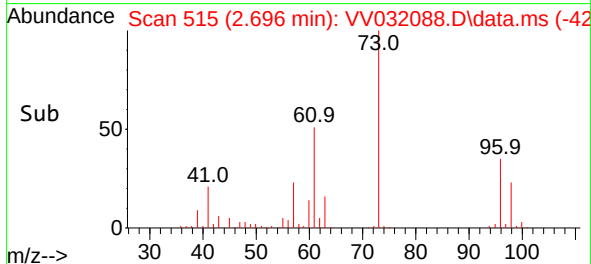
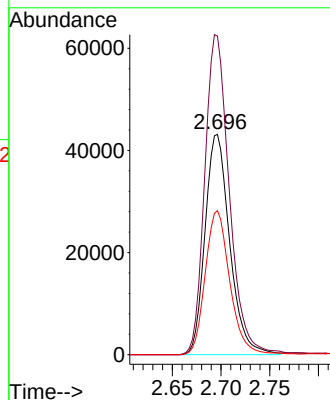
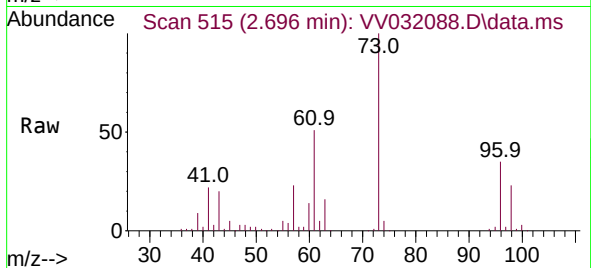




#17
trans-1,2-Dichloroethene
Concen: 47.830 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

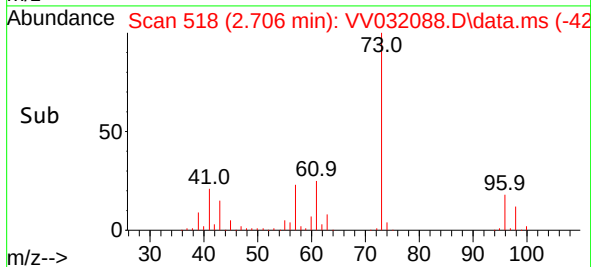
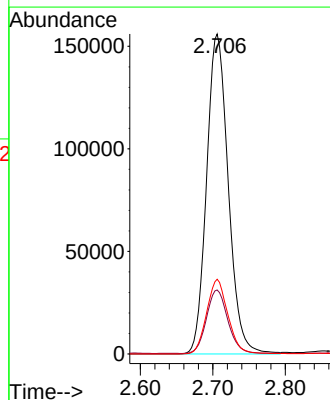
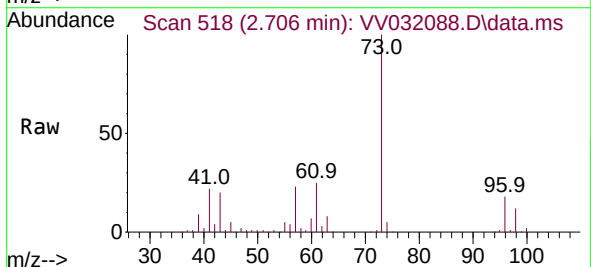
Instrument :
MSVOA_V
ClientSampleId :

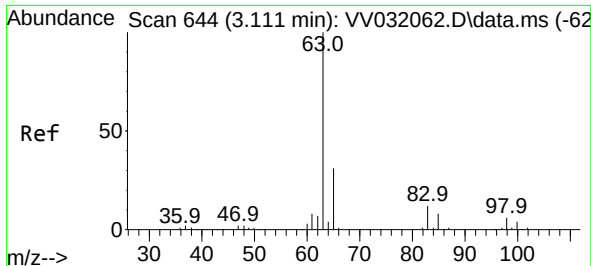
Tgt Ion: 96 Resp: 76039
Ion Ratio Lower Upper
96 100
61 144.6 107.3 199.3
98 65.4 46.3 85.9



#18
Methyl tert-butyl Ether
Concen: 48.290 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Tgt Ion: 73 Resp: 324459
Ion Ratio Lower Upper
73 100
43 19.6 16.6 25.0
57 22.9 17.6 26.4

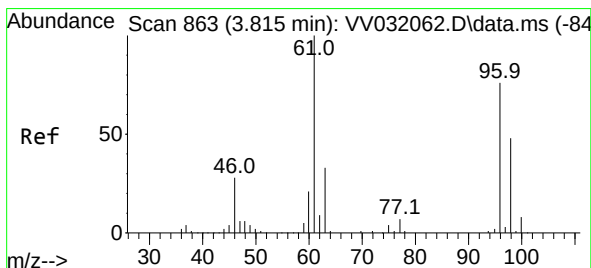
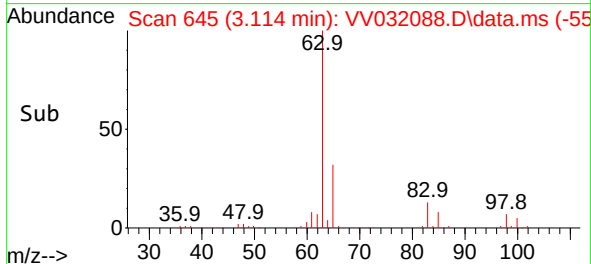
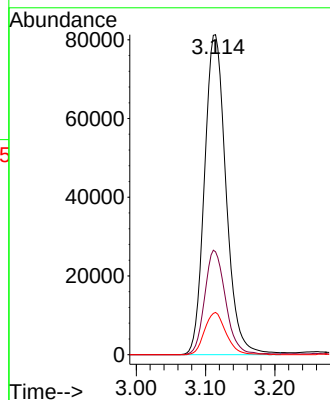
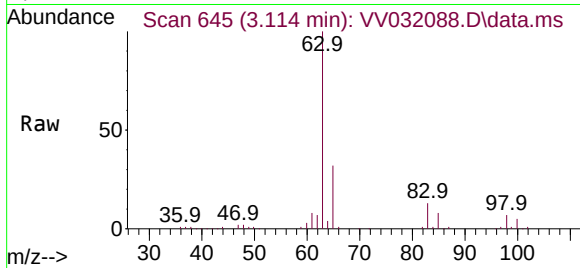




#19
1,1-Dichloroethane
Concen: 49.234 ug/L
RT: 3.114 min Scan# 644
Delta R.T. 0.003 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

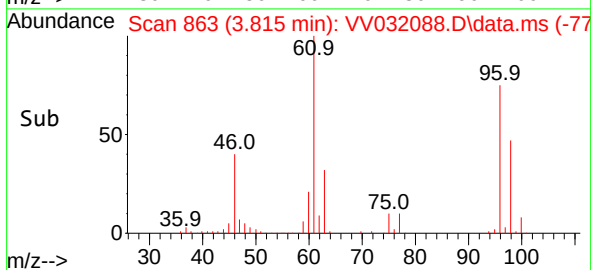
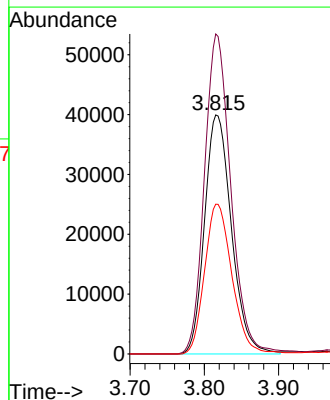
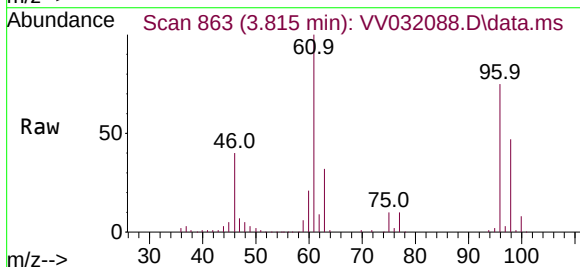
Instrument :
MSVOA_V
ClientSampleId :

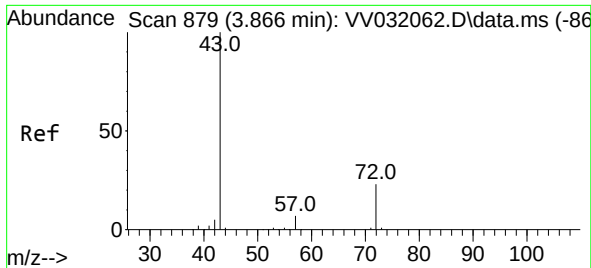
Tgt Ion: 63 Resp: 175410
Ion Ratio Lower Upper
63 100
65 32.1 22.4 41.6
83 13.2 8.7 16.1



#20
cis-1,2-Dichloroethene
Concen: 50.411 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Tgt Ion: 96 Resp: 100546
Ion Ratio Lower Upper
96 100
61 133.8 97.3 180.7
98 62.6 45.3 84.1

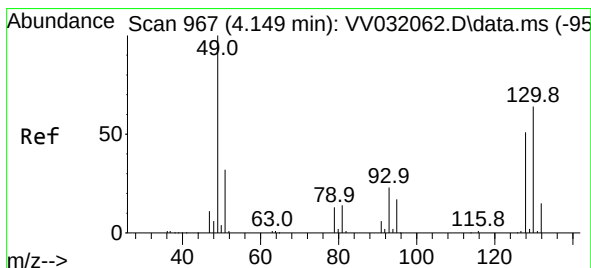
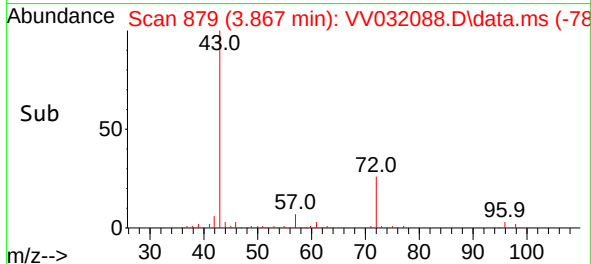
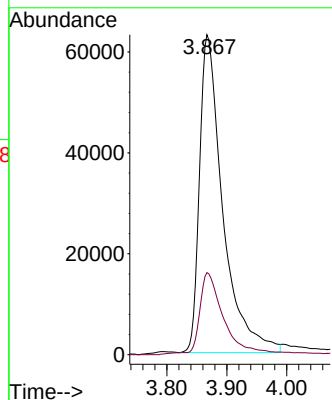
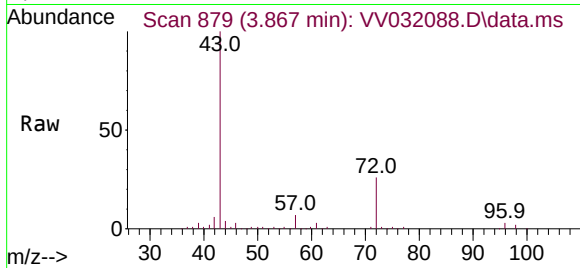




#22
2-Butanone
Concen: 106.132 ug/L
RT: 3.867 min Scan# 879
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

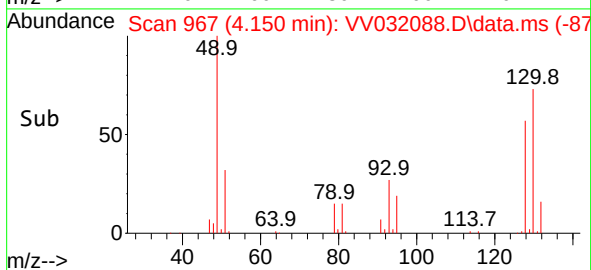
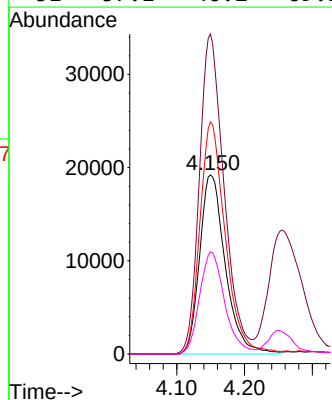
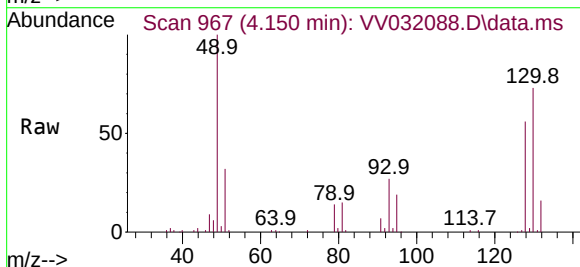
Instrument :
MSVOA_V
ClientSampleId :

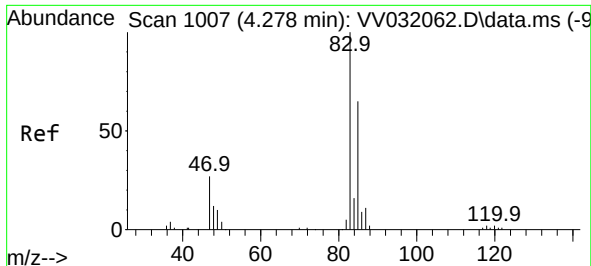
Tgt Ion: 43 Resp: 170230
Ion Ratio Lower Upper
43 100
72 24.6 12.6 37.8



#23
Bromochloromethane
Concen: 52.079 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Tgt Ion:128 Resp: 50395
Ion Ratio Lower Upper
128 100
49 178.7 127.8 237.4
130 129.6 90.1 167.3
51 57.1 46.2 69.2

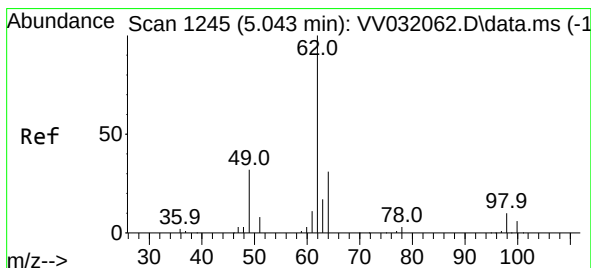
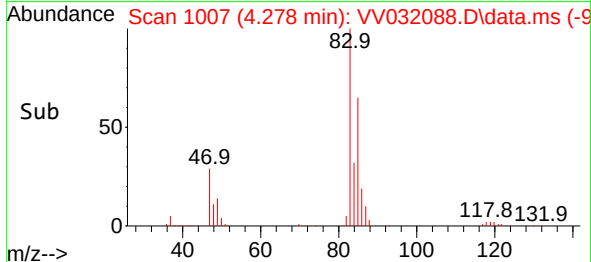
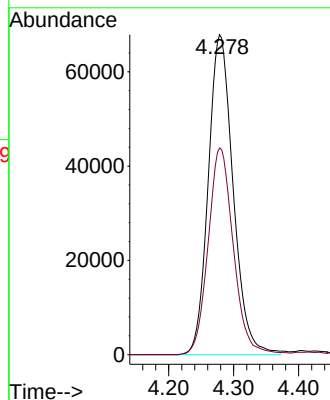
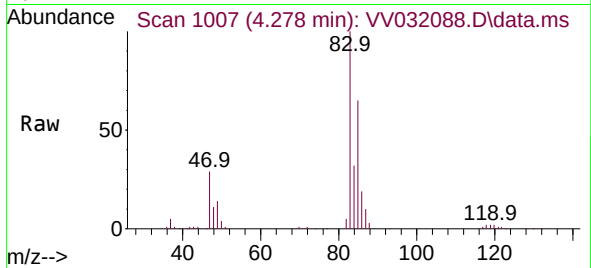




#25
Chloroform
Concen: 48.705 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

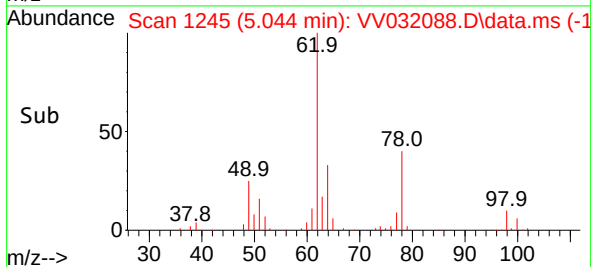
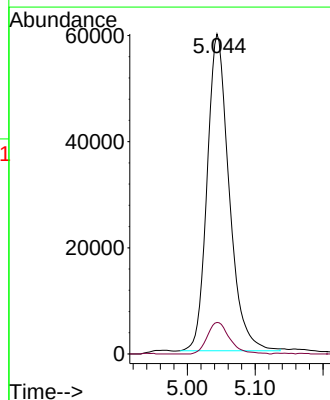
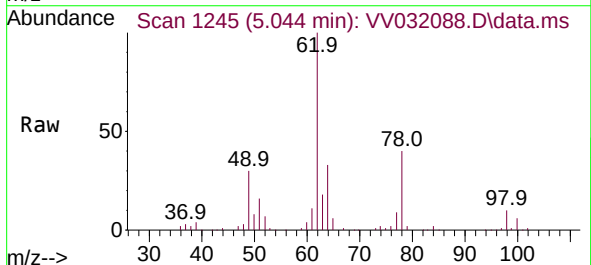
Instrument :
MSVOA_V
ClientSampleId :

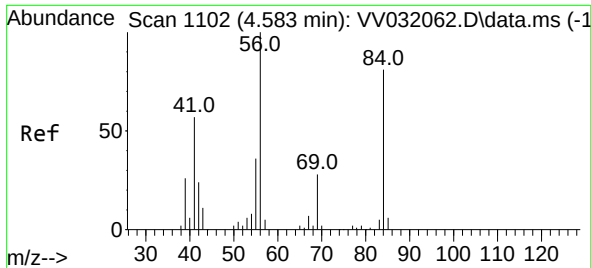
Tgt Ion: 83 Resp: 180420
Ion Ratio Lower Upper
83 100
85 64.6 44.9 83.3



#27
1,2-Dichloroethane
Concen: 46.118 ug/L
RT: 5.044 min Scan# 1245
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Tgt Ion: 62 Resp: 134589
Ion Ratio Lower Upper
62 100
98 9.8 7.0 10.4





#29

Cyclohexane

Concen: 46.762 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Instrument :

MSVOA_V

ClientSampleId :

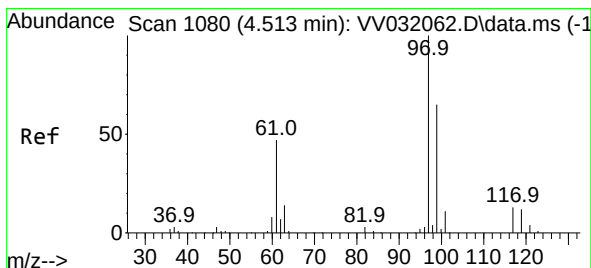
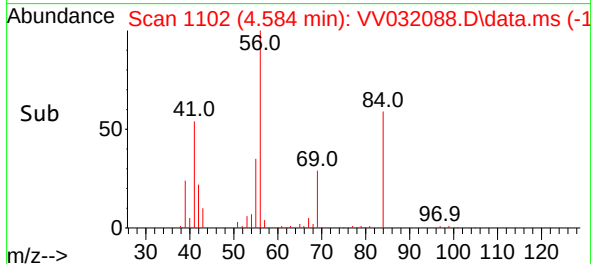
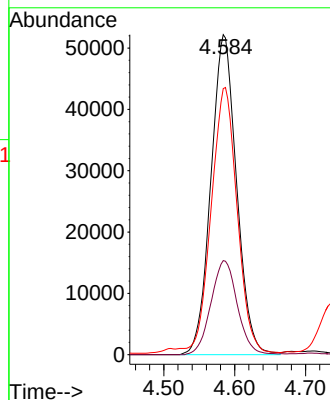
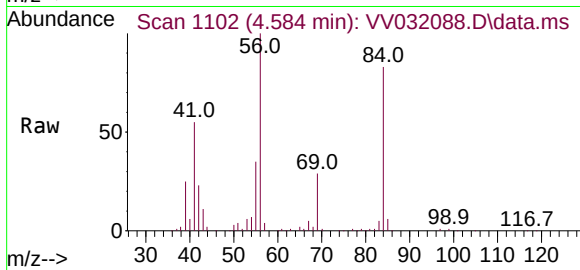
Tgt Ion: 56 Resp: 131305

Ion Ratio Lower Upper

56 100

69 30.1 24.2 36.4

84 83.6 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 48.008 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

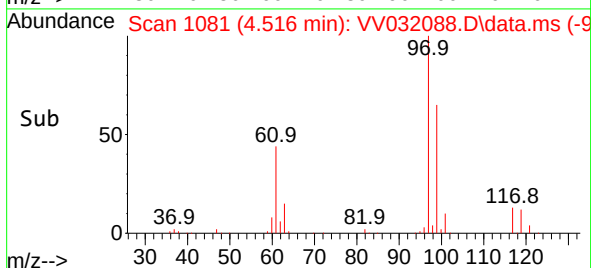
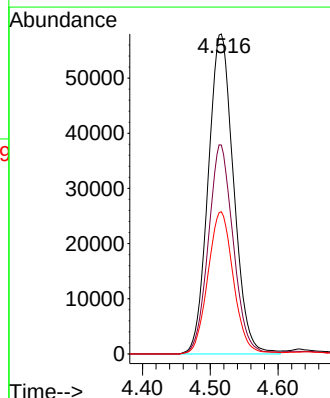
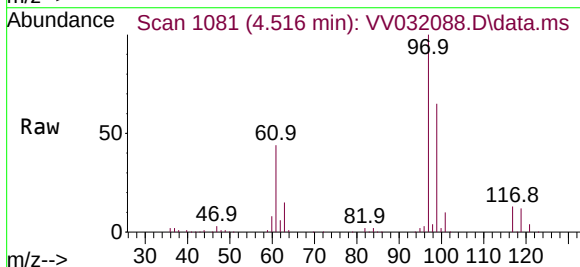
Tgt Ion: 97 Resp: 151018

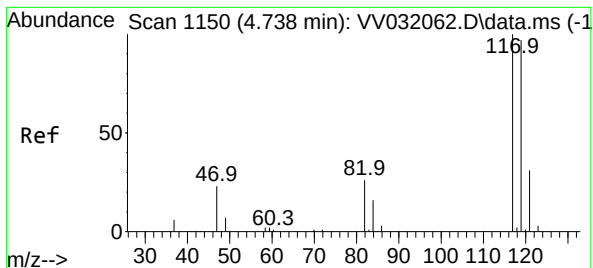
Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.4

61 44.5 36.5 54.7





#31

Carbon tetrachloride

Concen: 46.641 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Instrument :

MSVOA_V

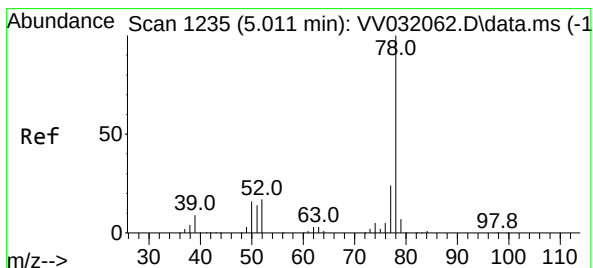
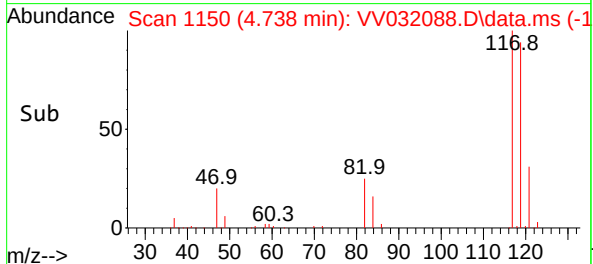
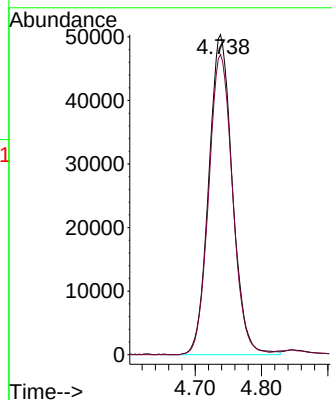
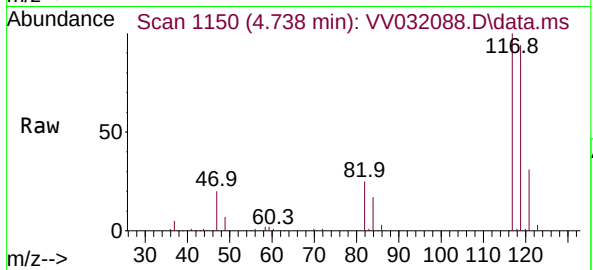
ClientSampleId :

Tgt Ion:117 Resp: 124584

Ion Ratio Lower Upper

117 100

119 94.6 75.4 113.2



#33

Benzene

Concen: 49.429 ug/L

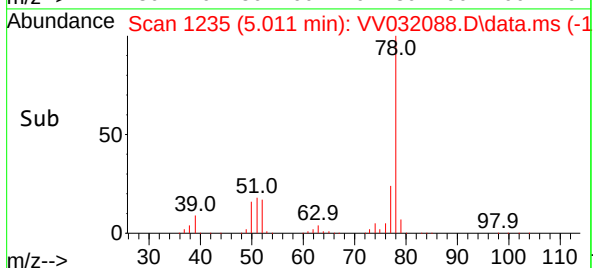
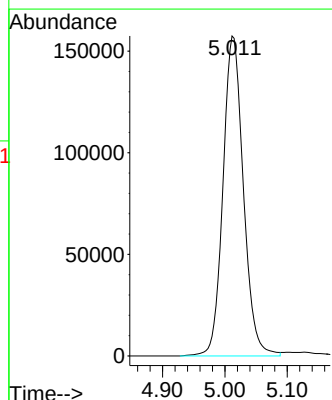
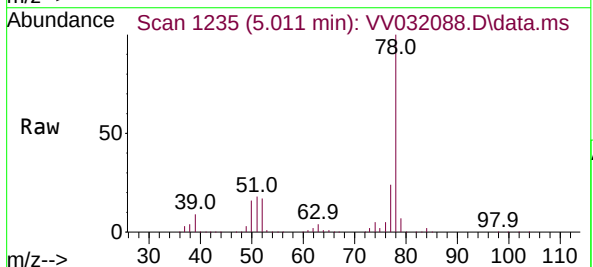
RT: 5.011 min Scan# 1235

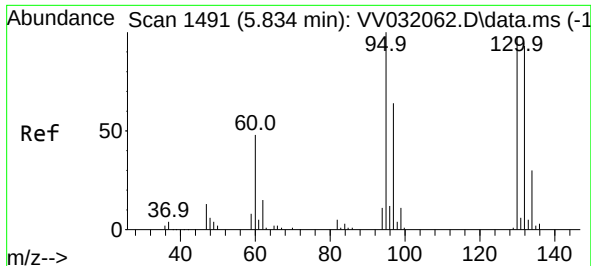
Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Tgt Ion: 78 Resp: 358175





#34

Trichloroethene

Concen: 45.817 ug/L

RT: 5.835 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 101537

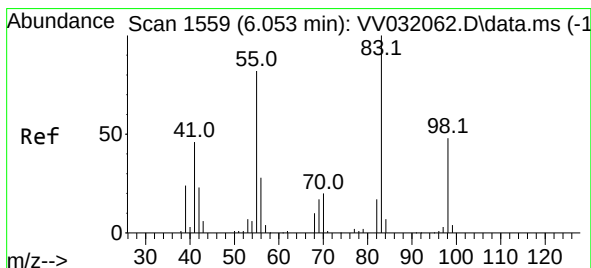
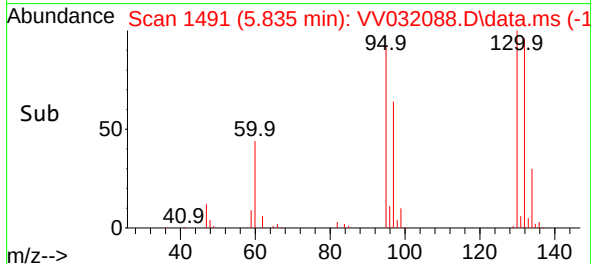
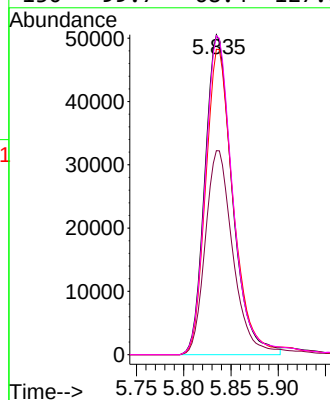
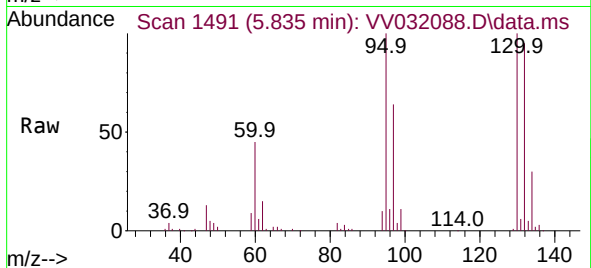
Ion Ratio Lower Upper

95 100

97 63.7 45.4 84.2

132 95.5 65.4 121.4

130 99.7 68.4 127.0



#35

Methylcyclohexane

Concen: 44.147 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

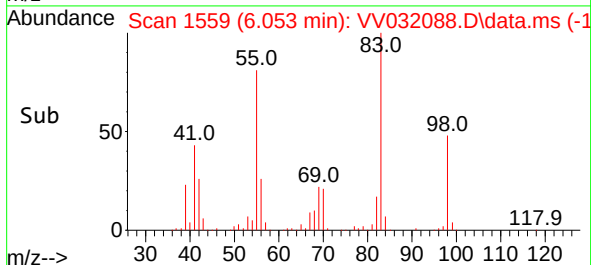
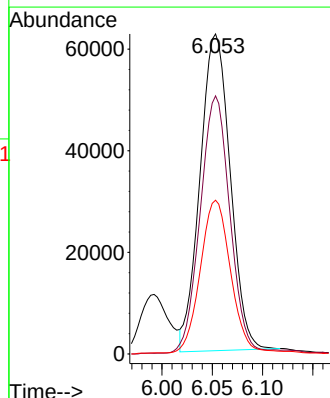
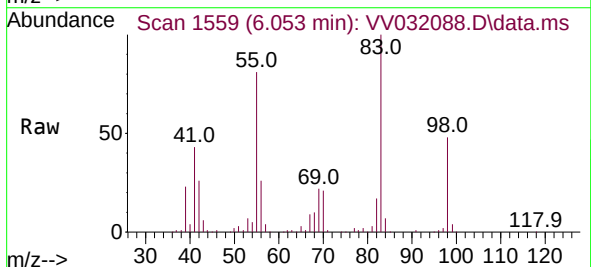
Tgt Ion: 83 Resp: 130130

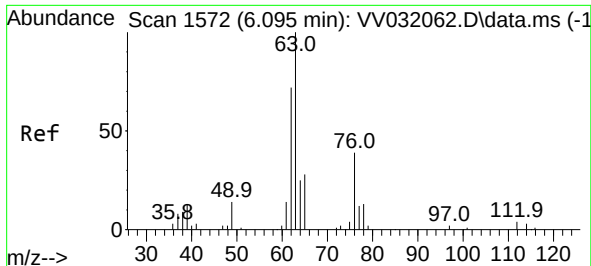
Ion Ratio Lower Upper

83 100

55 80.2 62.2 93.2

98 49.1 36.7 55.1





#37

1,2-Dichloropropane

Concen: 49.847 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Instrument :

MSVOA_V

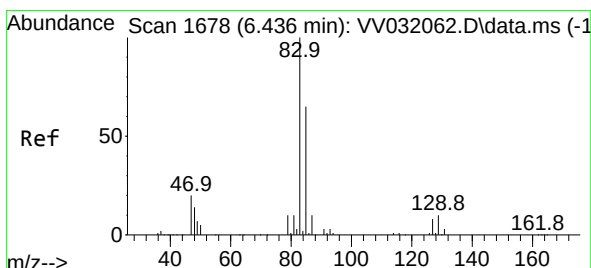
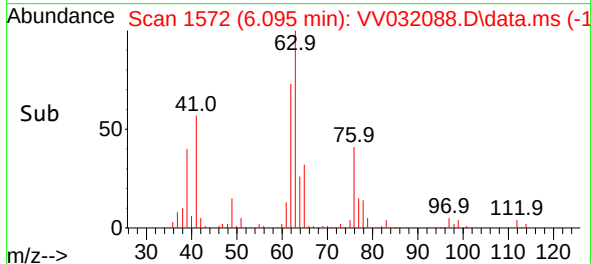
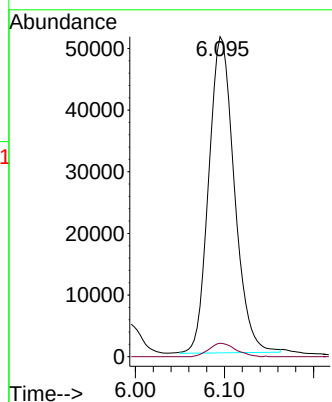
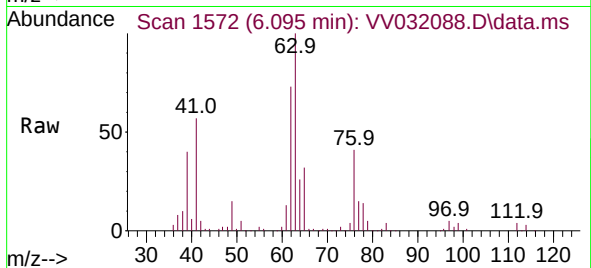
ClientSampleId :

Tgt Ion: 63 Resp: 102381

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 48.802 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

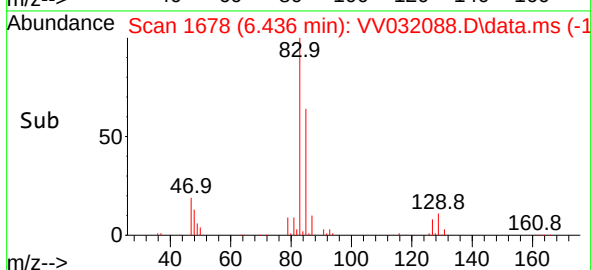
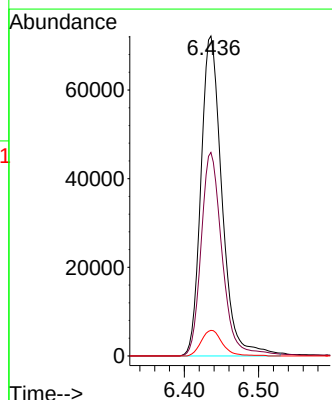
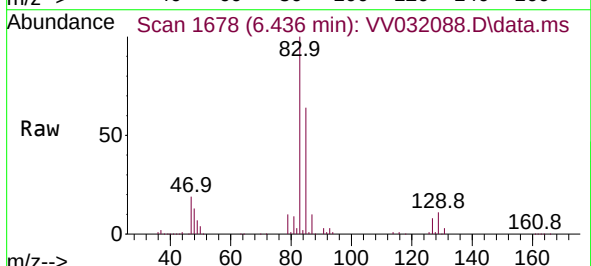
Tgt Ion: 83 Resp: 142276

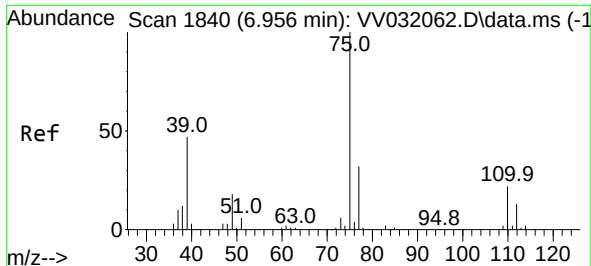
Ion Ratio Lower Upper

83 100

85 63.6 45.2 84.0

127 8.0 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 47.893 ug/L

RT: 6.957 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Instrument :

MSVOA_V

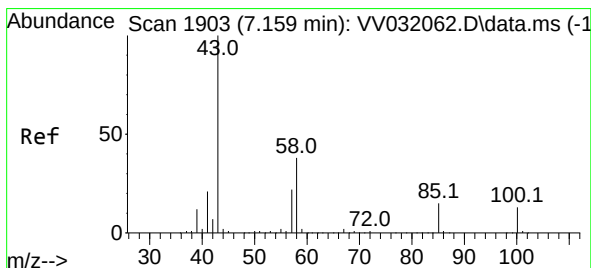
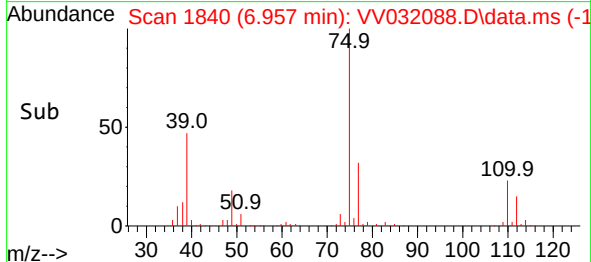
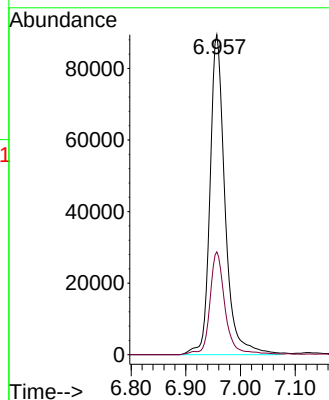
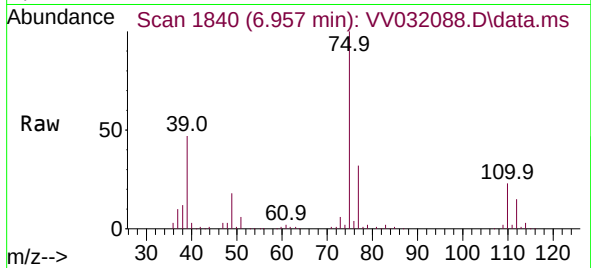
ClientSampleId :

Tgt Ion: 75 Resp: 171023

Ion Ratio Lower Upper

75 100

77 32.1 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 103.695 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

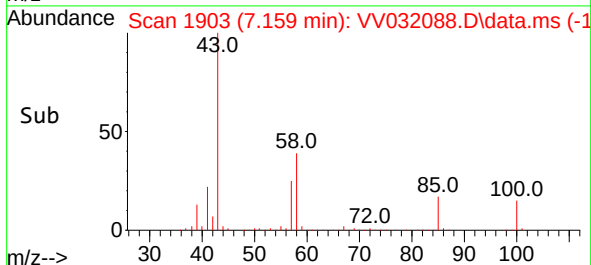
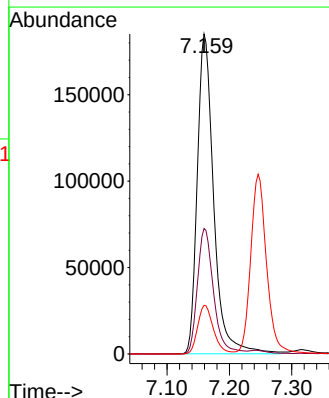
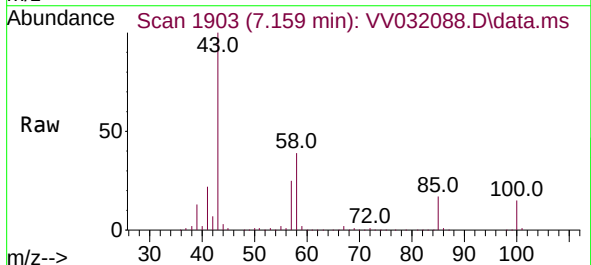
Tgt Ion: 43 Resp: 338040

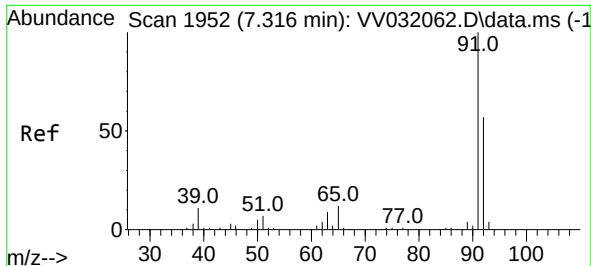
Ion Ratio Lower Upper

43 100

58 38.6 31.1 46.7

100 14.7 11.9 17.9





#42

Toluene

Concen: 49.621 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Instrument :

MSVOA_V

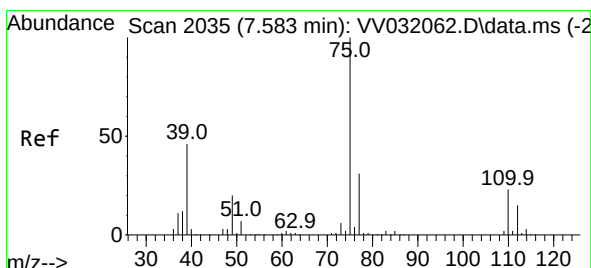
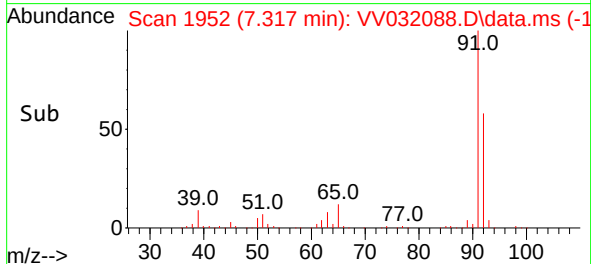
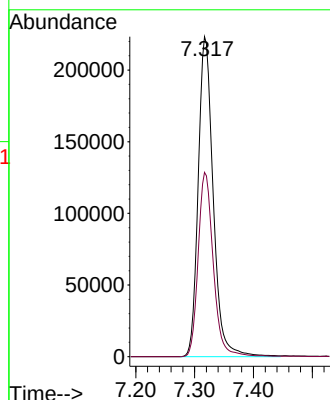
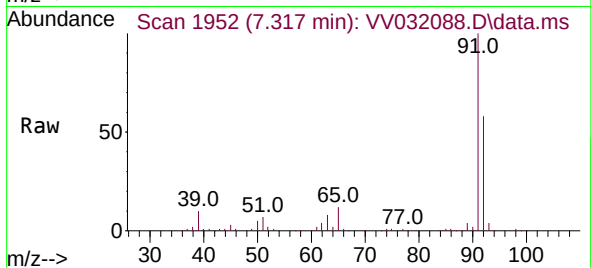
ClientSampleId :

Tgt Ion: 91 Resp: 395529

Ion Ratio Lower Upper

91 100

92 57.6 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 46.583 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV032088.D

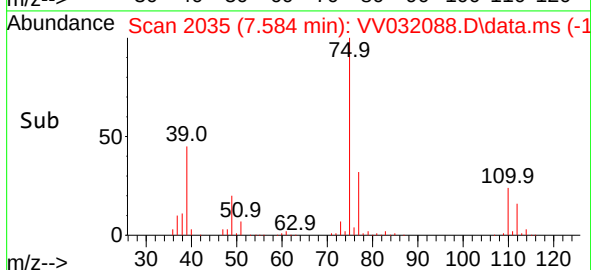
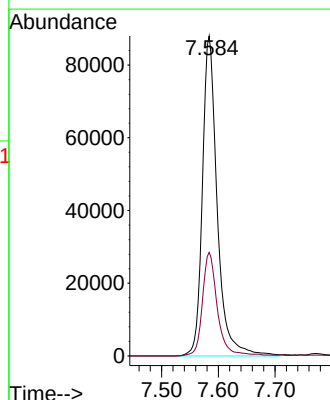
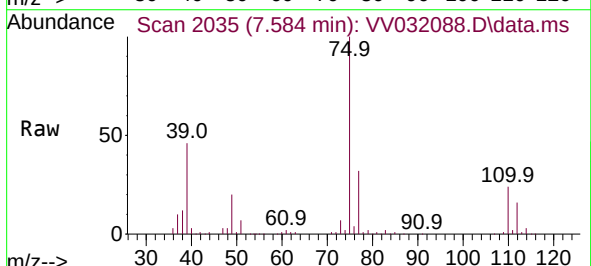
Acq: 14 Sep 2023 13:44

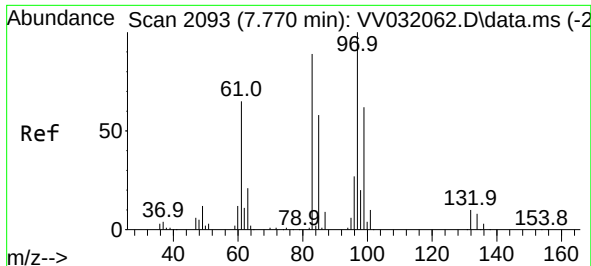
Tgt Ion: 75 Resp: 159825

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.9



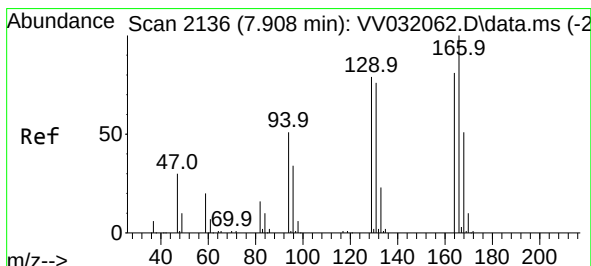
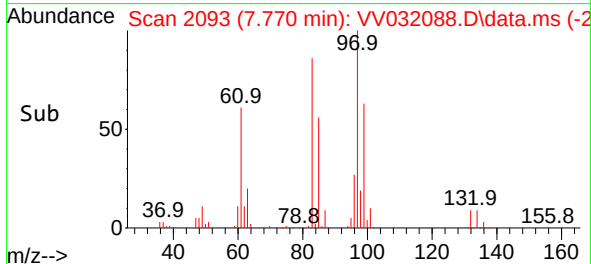
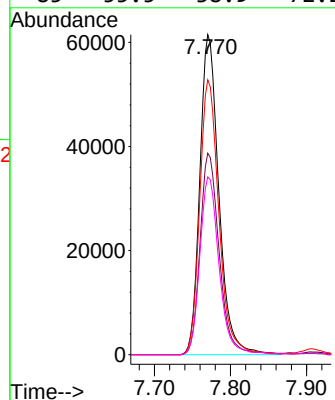
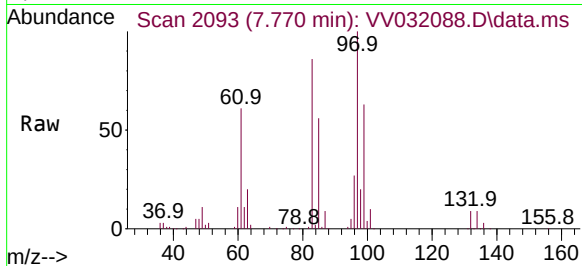


#45
1,1,2-Trichloroethane
Concen: 51.571 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 107011

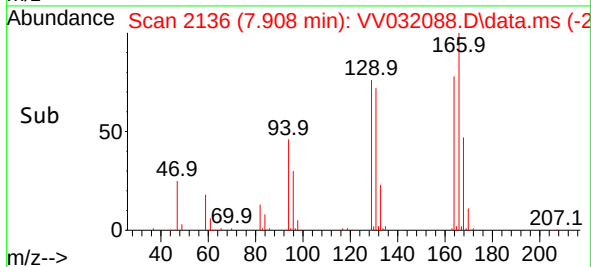
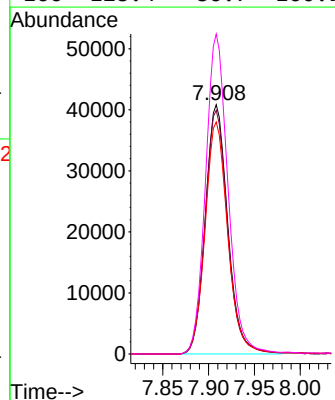
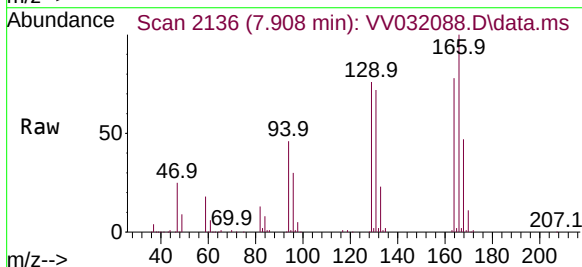
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.0	79.8
83	85.9	61.2	113.6
85	55.5	38.9	72.2

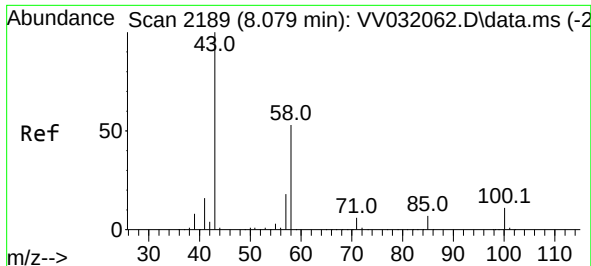


#46
Tetrachloroethene
Concen: 50.060 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Tgt Ion: 164 Resp: 69659

Ion	Ratio	Lower	Upper
164	100		
129	97.7	68.3	126.9
131	93.1	64.9	120.5
166	128.4	86.7	160.9



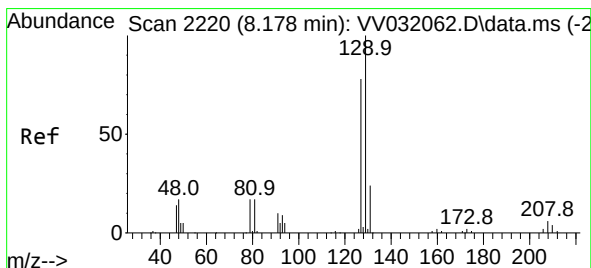
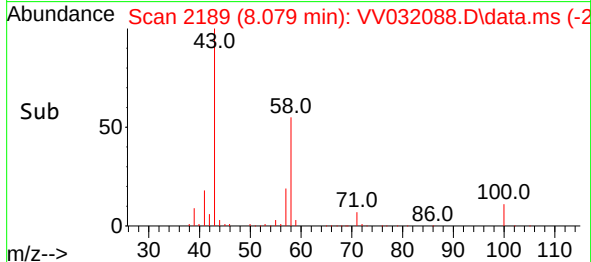
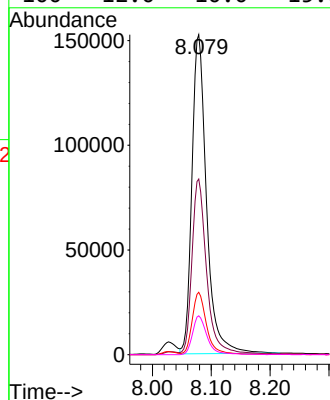
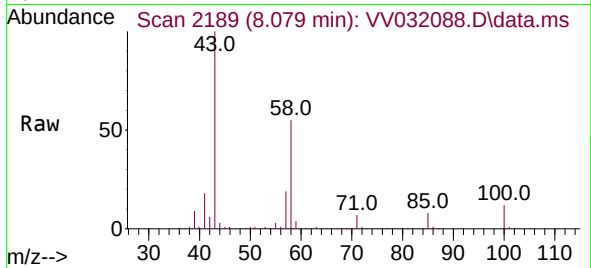


#48
2-Hexanone
Concen: 105.766 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 263308

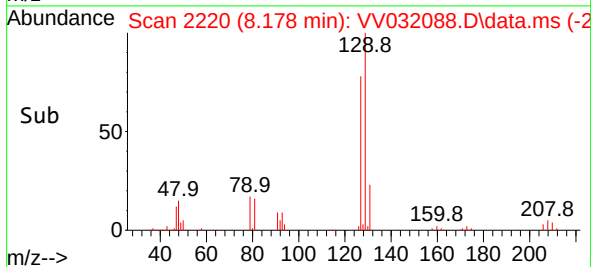
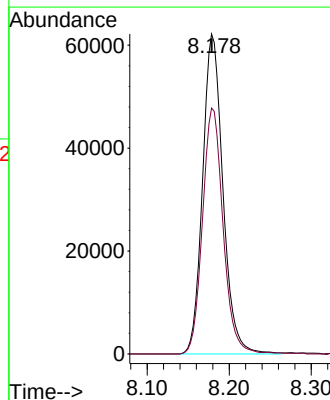
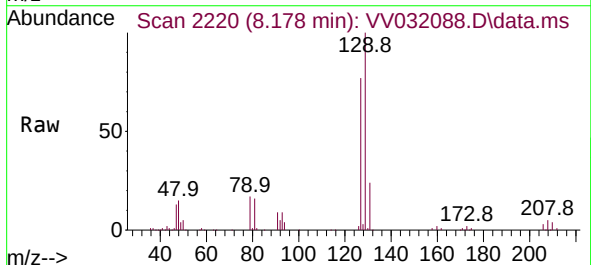
Ion	Ratio	Lower	Upper
43	100		
58	54.6	44.0	66.0
57	19.1	15.9	23.9
100	12.0	10.0	15.0

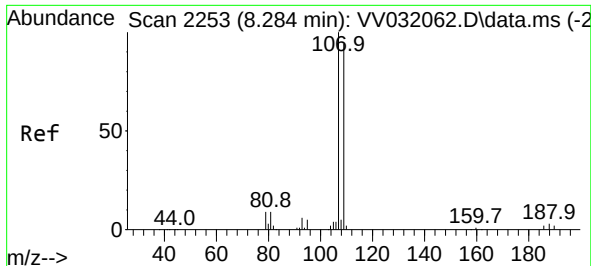


#49
Dibromochloromethane
Concen: 50.229 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Tgt Ion: 129 Resp: 107104

Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.7	101.7





#50

1,2-Dibromoethane

Concen: 50.615 ug/L

RT: 8.285 min Scan# 21

Delta R.T. 0.000 min

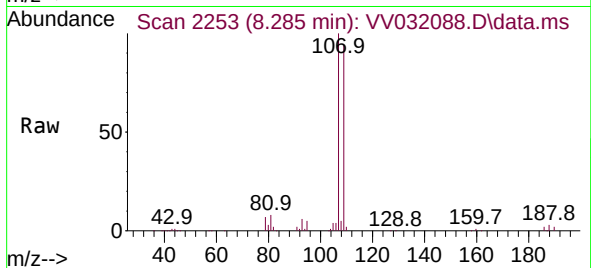
Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

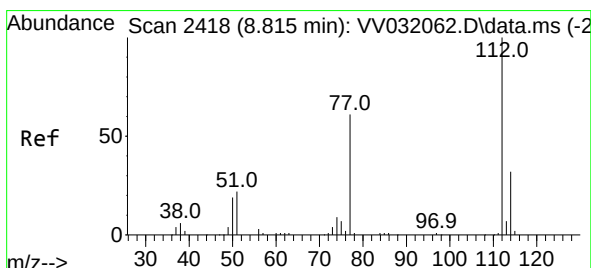
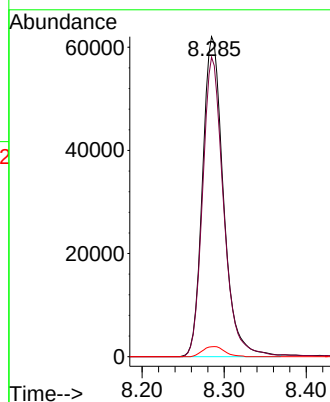
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	110006
Ion	Ratio	Lower	Upper
107	100		
109	93.6	65.4	121.4
188	3.1	2.8	4.2



#51

Chlorobenzene

Concen: 50.450 ug/L

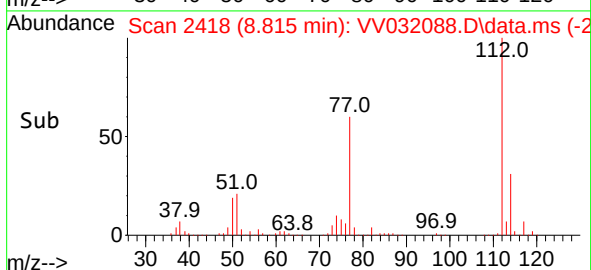
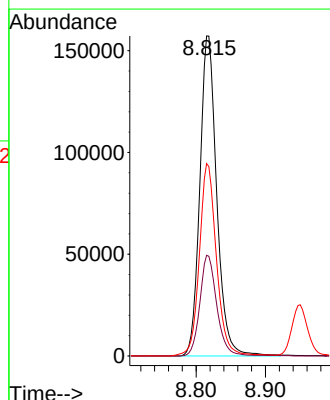
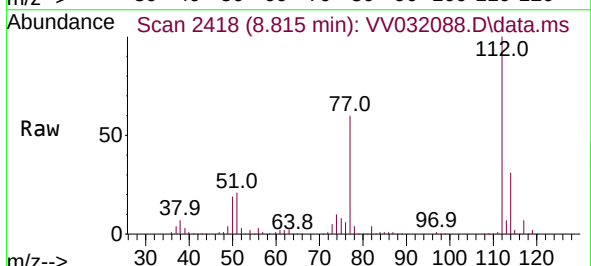
RT: 8.815 min Scan# 2418

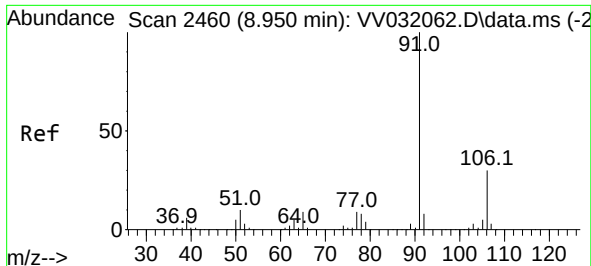
Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Tgt Ion:	112	Resp:	267211
Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.0	40.8
77	60.1	49.4	74.0





#52

Ethylbenzene

Concen: 48.595 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Instrument :

MSVOA_V

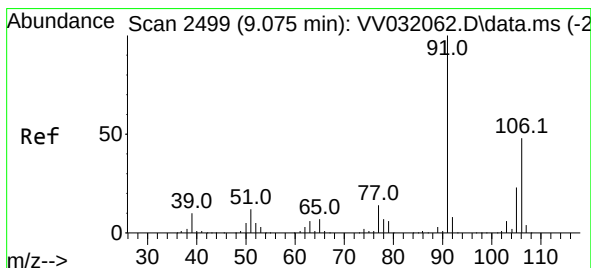
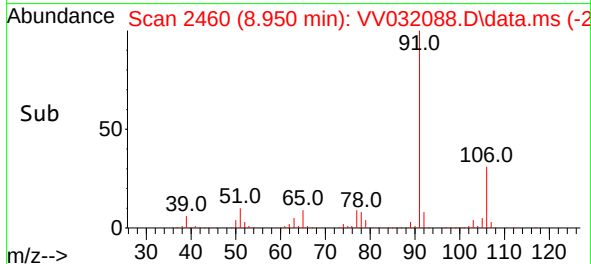
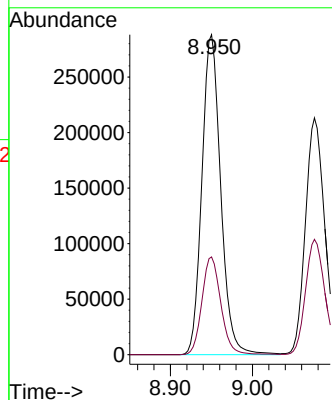
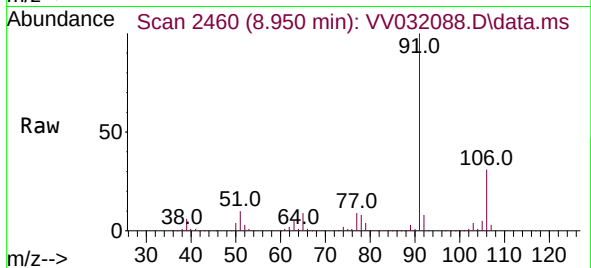
ClientSampleId :

Tgt Ion: 91 Resp: 458836

Ion Ratio Lower Upper

91 100

106 30.5 21.5 39.9



#53

m,p-Xylene

Concen: 49.124 ug/L

RT: 9.076 min Scan# 2499

Delta R.T. 0.000 min

Lab File: VV032088.D

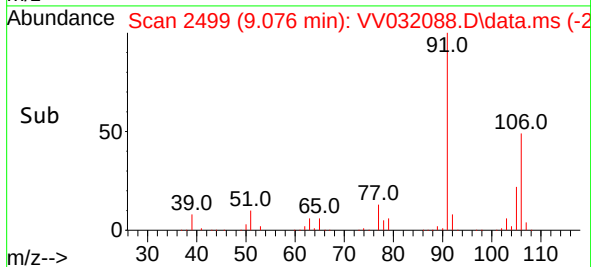
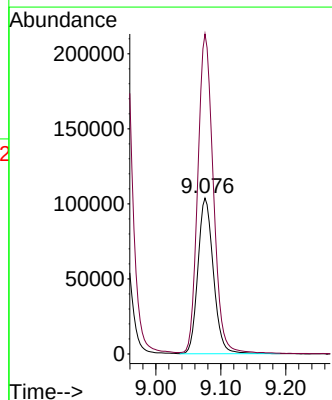
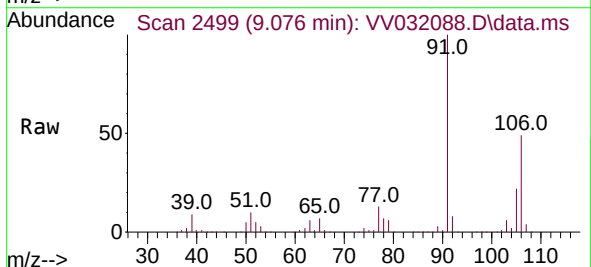
Acq: 14 Sep 2023 13:44

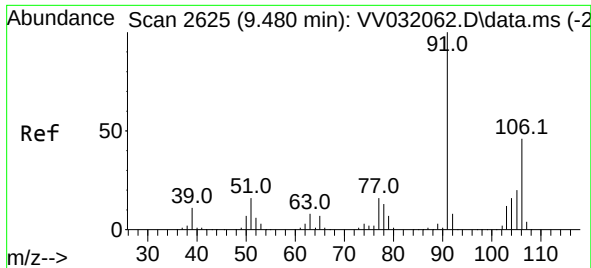
Tgt Ion:106 Resp: 172217

Ion Ratio Lower Upper

106 100

91 205.3 147.0 273.0

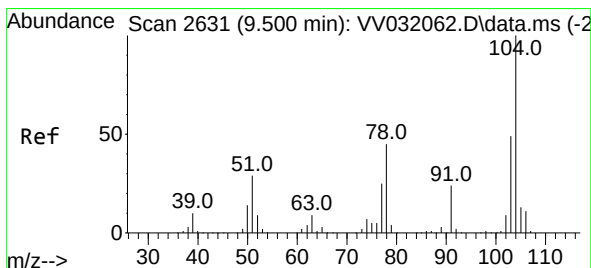
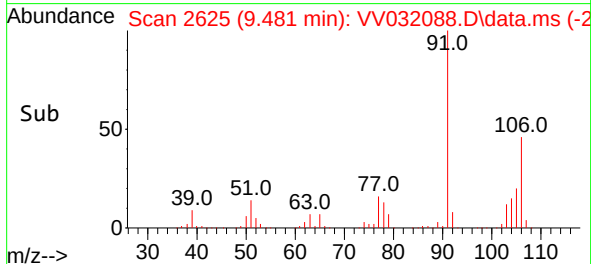
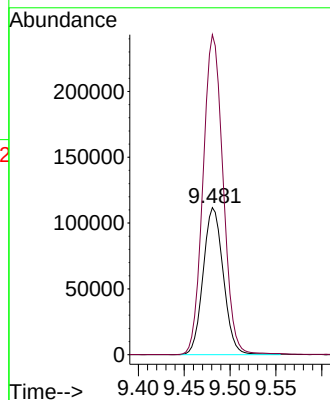
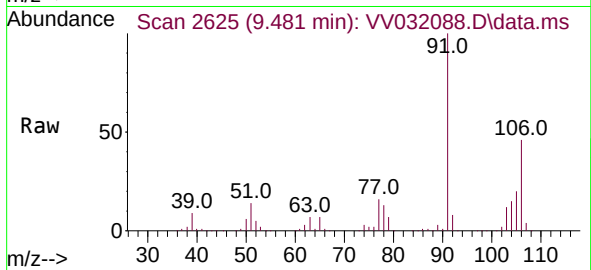




#54
o-Xylene
Concen: 49.155 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

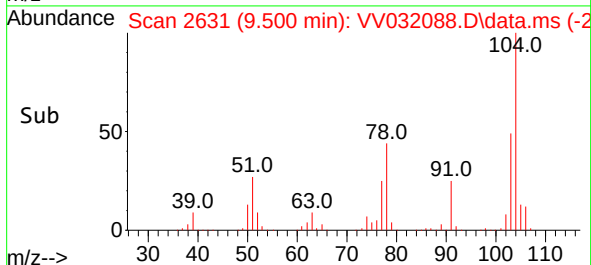
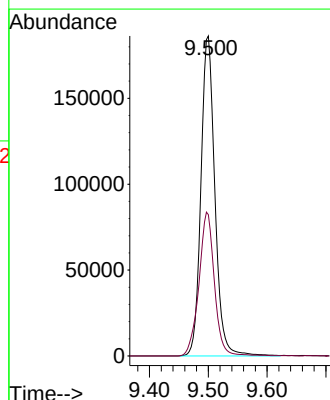
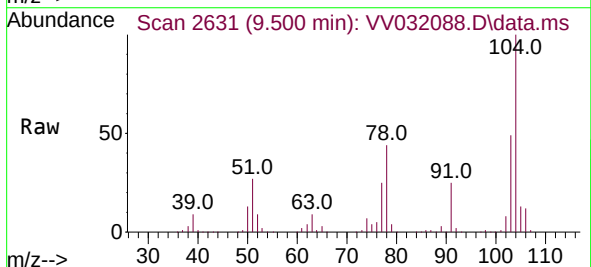
Instrument :
MSVOA_V
ClientSampleId :

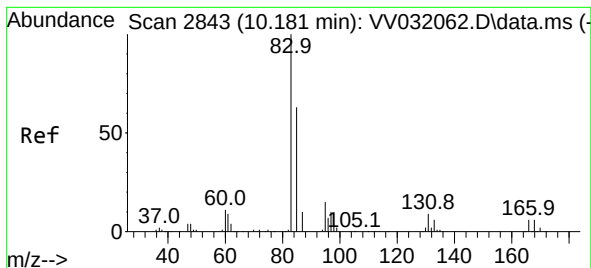
Tgt Ion:106 Resp: 171391
Ion Ratio Lower Upper
106 100
91 217.6 154.3 286.5



#55
Styrene
Concen: 49.915 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Tgt Ion:104 Resp: 307674
Ion Ratio Lower Upper
104 100
78 44.1 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 56.116 ug/L

RT: 10.182 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Instrument :

MSVOA_V

ClientSampleId :

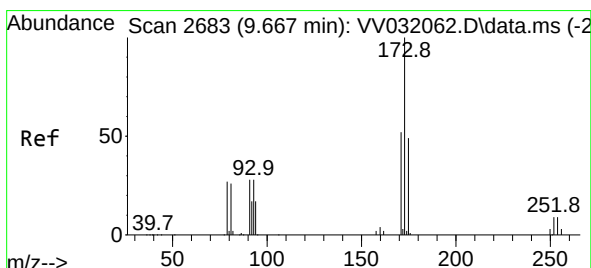
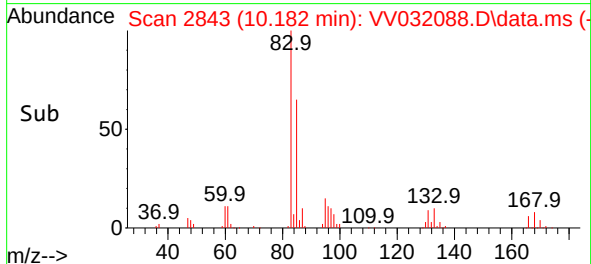
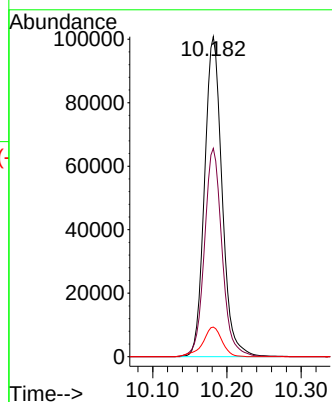
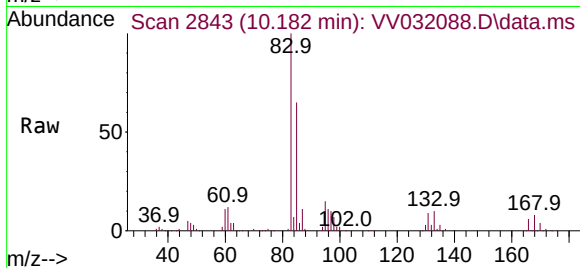
Tgt Ion: 83 Resp: 164838

Ion Ratio Lower Upper

83 100

85 65.1 45.1 83.9

131 9.3 7.4 11.2



#59

Bromoform

Concen: 51.248 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

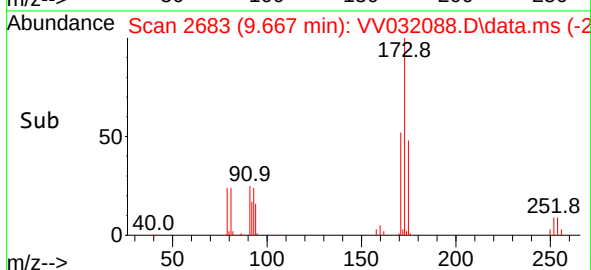
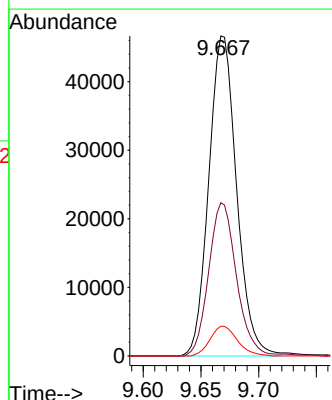
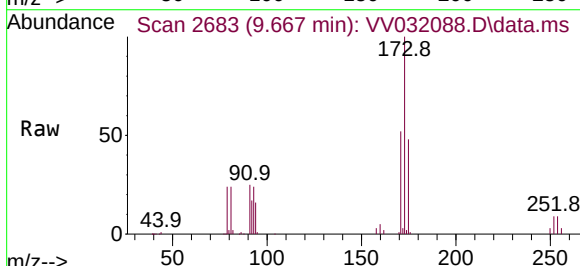
Tgt Ion:173 Resp: 78138

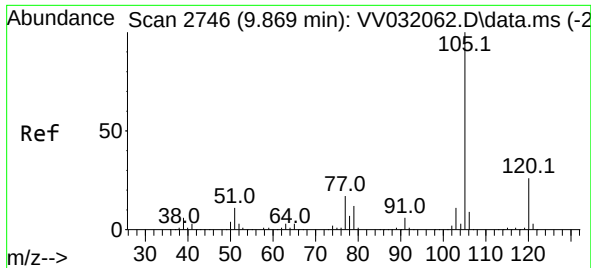
Ion Ratio Lower Upper

173 100

175 48.0 38.3 57.5

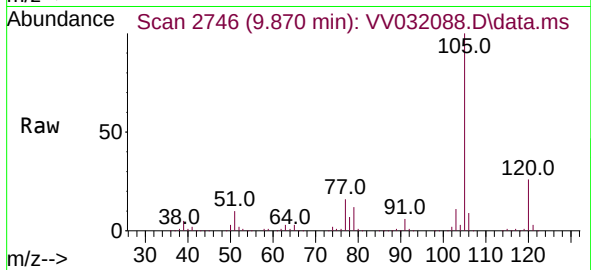
254 9.1 6.9 10.3



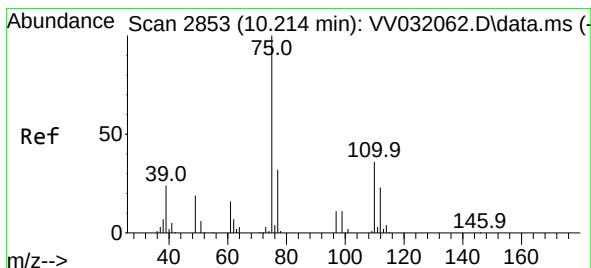
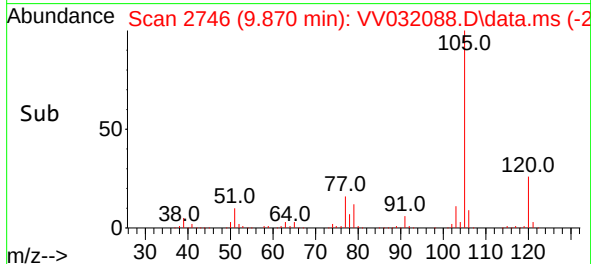
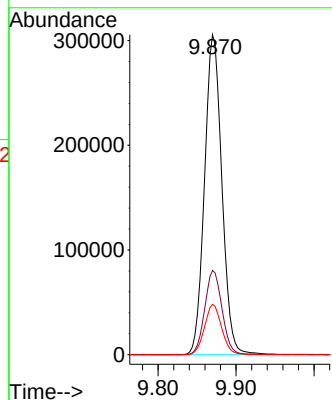


#60
Isopropylbenzene
Concen: 48.069 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Instrument :
MSVOA_V
ClientSampleId :

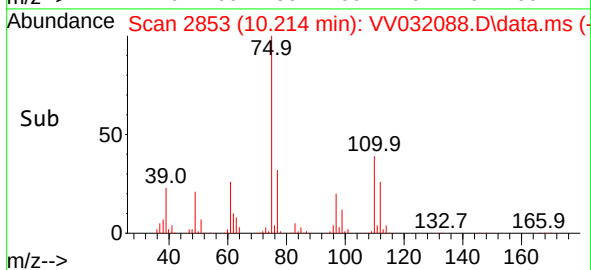
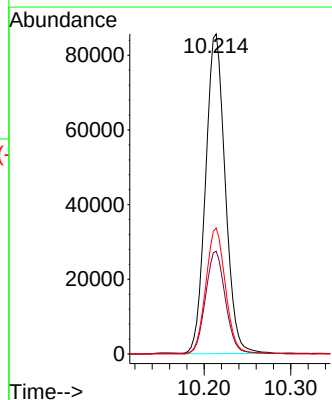
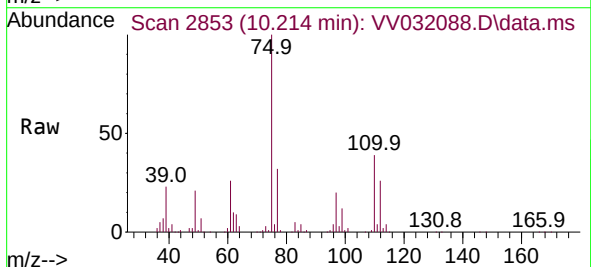


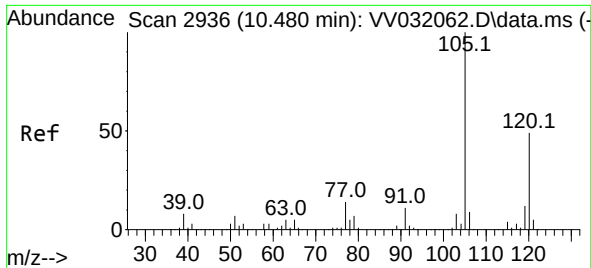
Tgt Ion:105 Resp: 473386
Ion Ratio Lower Upper
105 100
120 26.3 20.6 31.0
77 15.6 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 48.563 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Tgt Ion: 75 Resp: 134901
Ion Ratio Lower Upper
75 100
77 32.3 25.7 38.5
110 39.5 30.3 45.5

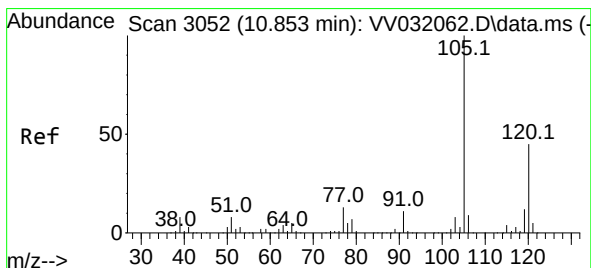
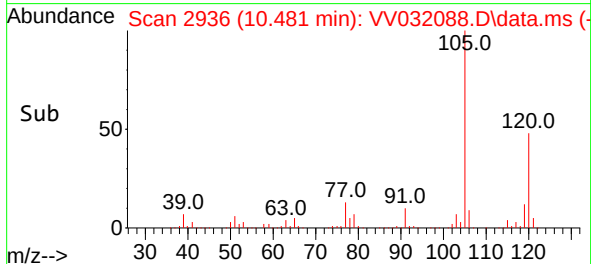
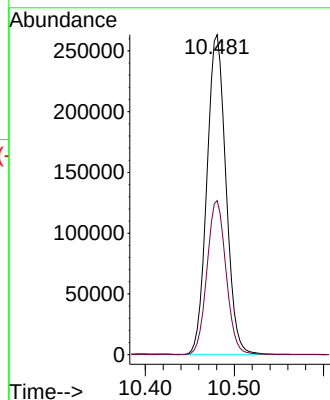
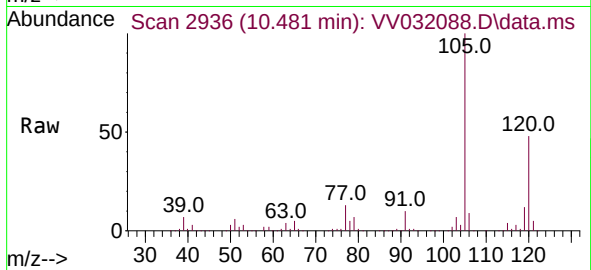




#62
 1,3,5-Trimethylbenzene
 Concen: 47.028 ug/L
 RT: 10.481 min Scan# 2936
 Delta R.T. 0.000 min
 Lab File: VV032088.D
 Acq: 14 Sep 2023 13:44

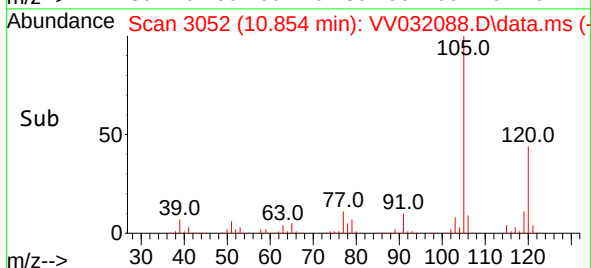
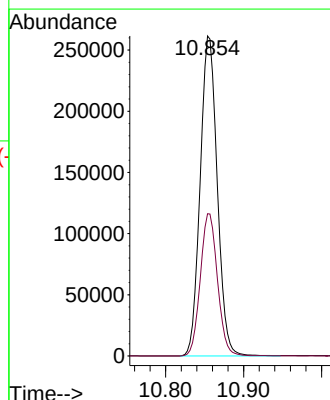
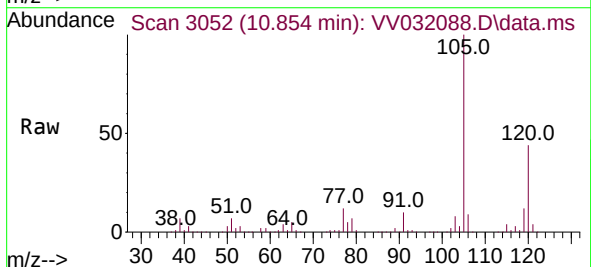
Instrument :
 MSVOA_V
 ClientSampleId :

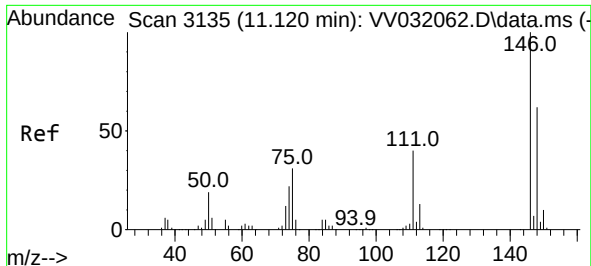
Tgt Ion:105 Resp: 389634
 Ion Ratio Lower Upper
 105 100
 120 48.5 38.2 57.4



#63
 1,2,4-Trimethylbenzene
 Concen: 47.735 ug/L
 RT: 10.854 min Scan# 3052
 Delta R.T. 0.000 min
 Lab File: VV032088.D
 Acq: 14 Sep 2023 13:44

Tgt Ion:105 Resp: 397854
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.9 53.9

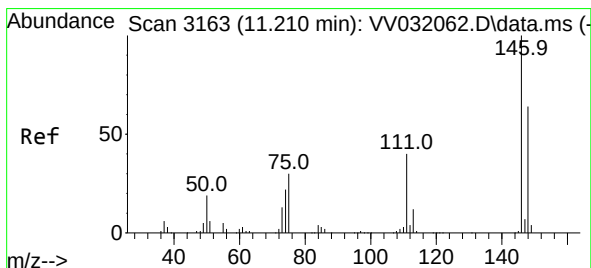
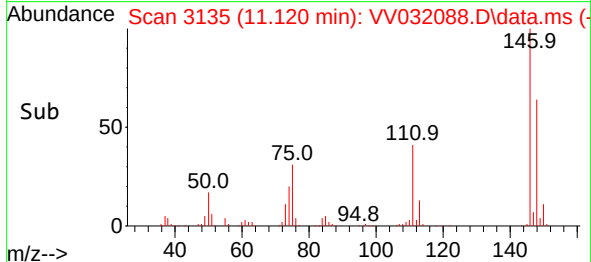
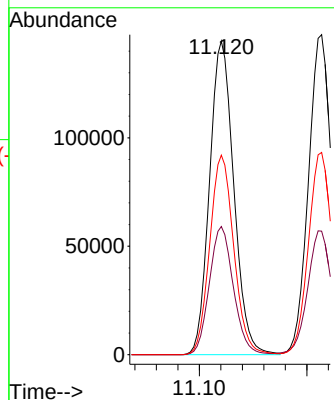
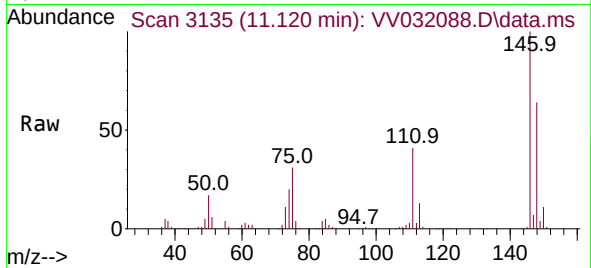




#64
1,3-Dichlorobenzene
Concen: 51.283 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

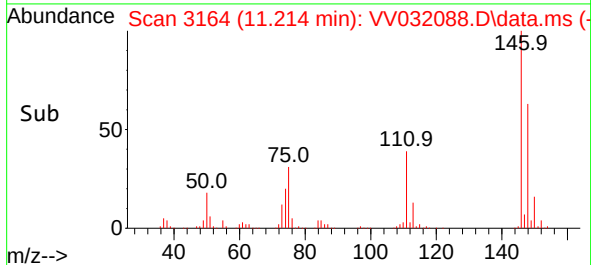
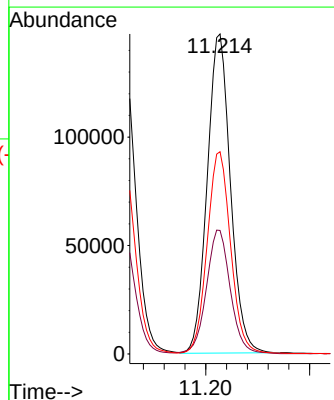
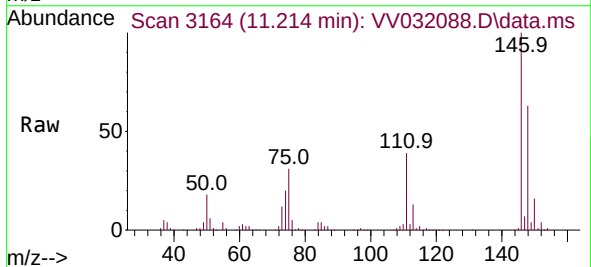
Instrument :
MSVOA_V
ClientSampleId :

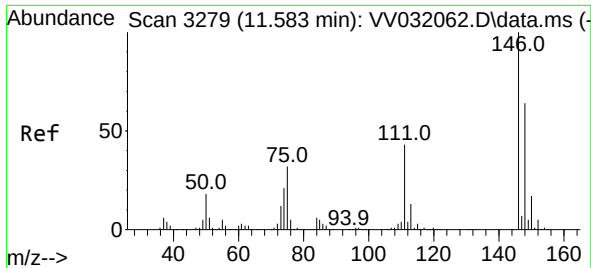
Tgt Ion:146 Resp: 226339
Ion Ratio Lower Upper
146 100
111 40.8 30.2 56.0
148 63.6 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 50.881 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Tgt Ion:146 Resp: 228349
Ion Ratio Lower Upper
146 100
111 38.6 28.5 52.9
148 63.2 44.2 82.2

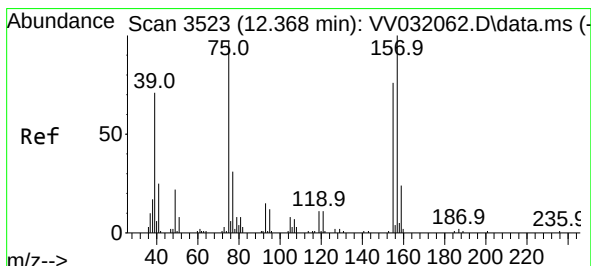
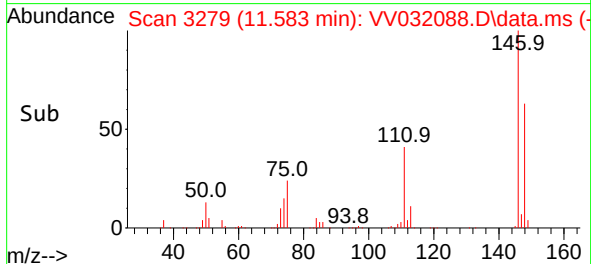
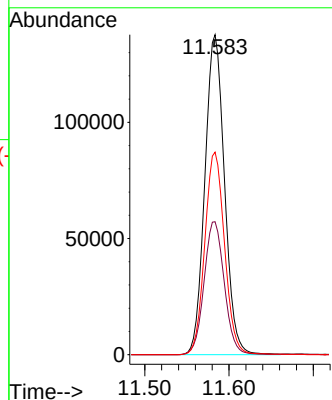
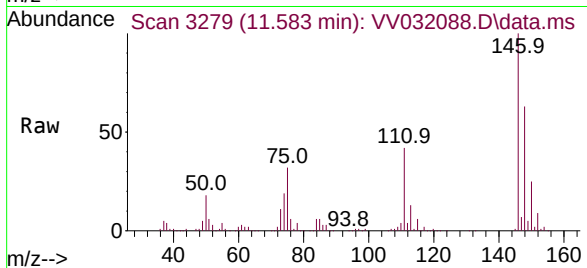




#67
1,2-Dichlorobenzene
Concen: 51.173 ug/L
RT: 11.583 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

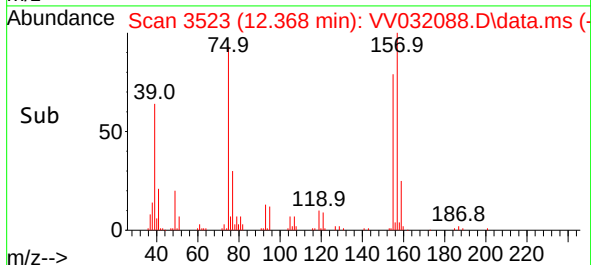
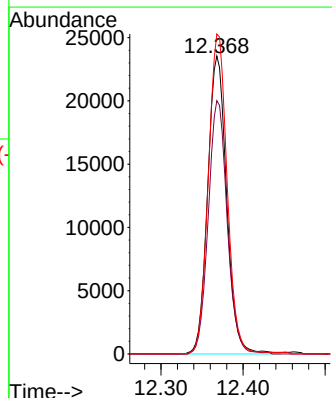
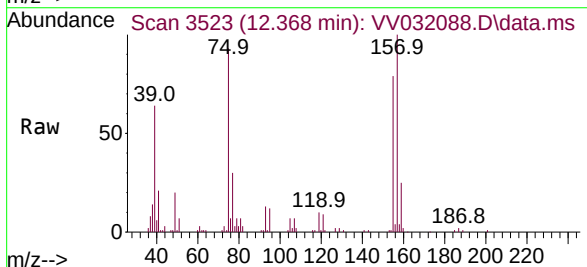
Instrument :
MSVOA_V
ClientSampleId :

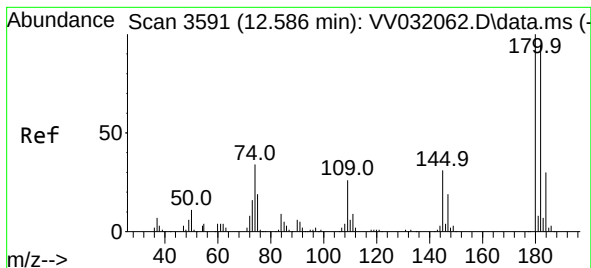
Tgt Ion:146 Resp: 223801
Ion Ratio Lower Upper
146 100
111 41.6 35.8 53.6
148 63.3 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 45.376 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.000 min
Lab File: VV032088.D
Acq: 14 Sep 2023 13:44

Tgt Ion: 75 Resp: 37862
Ion Ratio Lower Upper
75 100
155 85.0 60.1 90.1
157 107.4 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 50.734 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.000 min

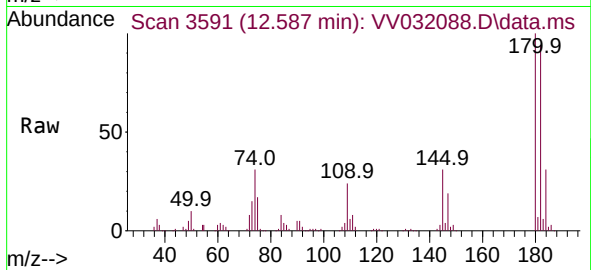
Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 163236

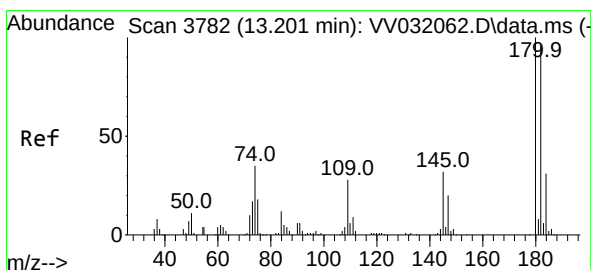
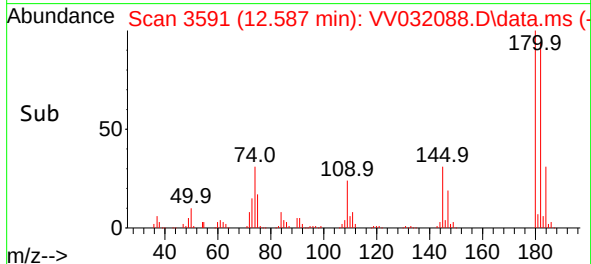
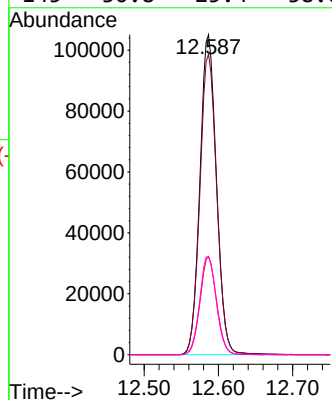
Ion Ratio Lower Upper

180 100

182 95.0 75.4 113.2

184 30.4 23.7 35.5

145 30.8 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 51.969 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

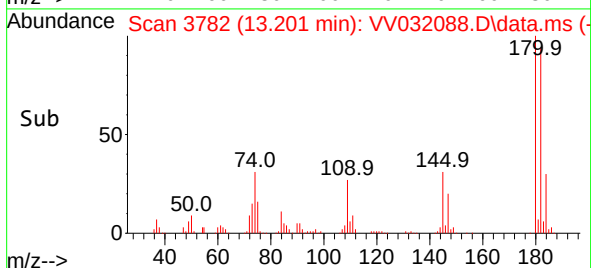
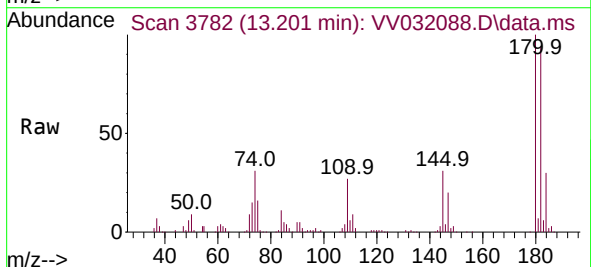
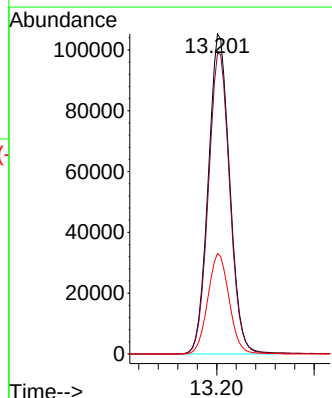
Tgt Ion:180 Resp: 160501

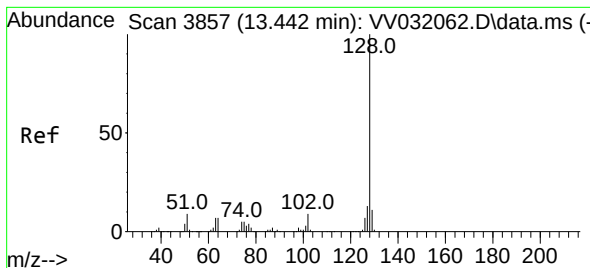
Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.2

145 31.2 26.0 39.0





#71

Naphthalene

Concen: 53.241 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Instrument :

MSVOA_V

ClientSampleId :

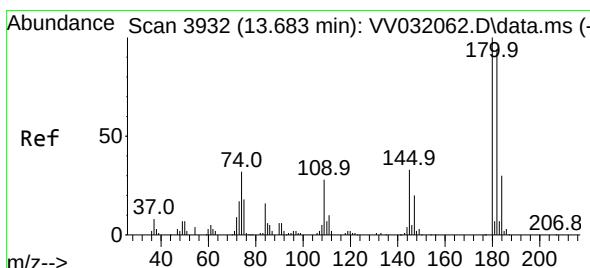
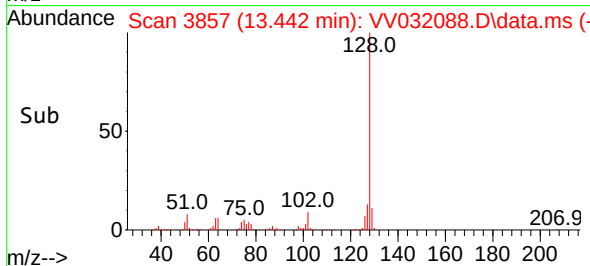
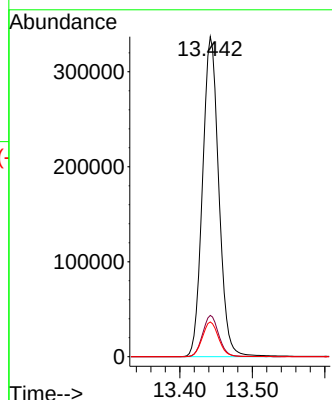
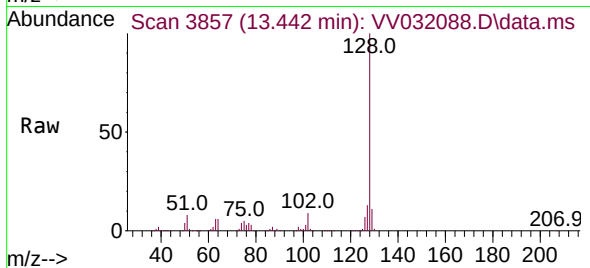
Tgt Ion:128 Resp: 525346

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 53.298 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032088.D

Acq: 14 Sep 2023 13:44

Tgt Ion:180 Resp: 157730

Ion Ratio Lower Upper

180 100

182 95.0 76.7 115.1

145 33.1 27.7 41.5

