

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111723\
 Data File : VV032972.D
 Acq On : 16 Nov 2023 19:45
 Operator : SY/MD
 Sample : VSTD005
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 17 00:31:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 17 00:29:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	172216	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	172176	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	92039	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	73313	5.001	ug/L	0.00
7) Chloroethane-d5	1.532	69	66934	4.763	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	29719	4.598	ug/L	0.00
20) 2-Butanone-d5	3.799	46	97674	50.035	ug/L	0.00
24) Chloroform-d	4.249	84	128269	5.089	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	55290	4.969	ug/L	0.00
32) Benzene-d6	4.963	84	238847	5.277	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	67097	5.222	ug/L	0.00
41) Toluene-d8	7.243	98	227718	5.347	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	25366	5.064	ug/L	0.00
46) 2-Hexanone-d5	8.027	63	86162	51.596	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.156	84	48553	5.122	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.564	152	78537	4.904	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	93273	4.953	ug/L	100
3) Chloromethane	1.214	50	92803	4.954	ug/L	100
5) Vinyl chloride	1.281	62	88634	4.983	ug/L	100
6) Bromomethane	1.487	94	60354	4.760	ug/L	100
8) Chloroethane	1.548	64	62417	4.677	ug/L	100
9) Trichlorofluoromethane	1.712	101	133967	4.854	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	77165	4.931	ug/L	100
12) 1,1-Dichloroethene	2.069	96	70583	4.856	ug/L	100
13) Acetone	2.124	43	79985	44.097	ug/L	100
14) Carbon disulfide	2.240	76	207148	4.932	ug/L	100
15) Methyl Acetate	2.381	43	20890	5.191	ug/L	100
16) Methylene chloride	2.445	84	72478	4.211	ug/L	100
17) Methyl tert-butyl Ether	2.706	73	115534	4.762	ug/L	100
18) trans-1,2-Dichloroethene	2.693	96	68455	4.953	ug/L	100
19) 1,1-Dichloroethane	3.111	63	120859	4.937	ug/L	100
21) 2-Butanone	3.879	43	100095	45.928	ug/L	100
22) cis-1,2-Dichloroethene	3.818	96	69322	4.904	ug/L	100
23) Bromochloromethane	4.146	128	32094	4.949	ug/L	100
25) Chloroform	4.278	83	134763	4.989	ug/L	100
27) 1,2-Dichloroethane	5.047	62	71225	4.957	ug/L	100
29) 1,1,1-Trichloroethane	4.513	97	118307	4.976	ug/L	100
30) Cyclohexane	4.584	56	83185	5.018	ug/L	100
31) Carbon tetrachloride	4.738	117	104916	5.096	ug/L	100
33) Benzene	5.011	78	270086	5.315	ug/L	100
34) Trichloroethene	5.838	95	71210	5.092	ug/L	100
35) Methylcyclohexane	6.050	83	93717	5.058	ug/L	100
37) 1,2-Dichloropropane	6.095	63	65455	5.181	ug/L	100
38) Bromodichloromethane	6.436	83	88514	5.077	ug/L	100
39) cis-1,3-Dichloropropene	6.956	75	86747	5.006	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	266616	53.479	ug/L	100
42) Toluene	7.317	91	292456	5.291	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	68571	4.920	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111723\
 Data File : VV032972.D
 Acq On : 16 Nov 2023 19:45
 Operator : SY/MD
 Sample : VSTD005
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 17 00:31:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 17 00:29:50 2023
 Response via : Initial Calibration

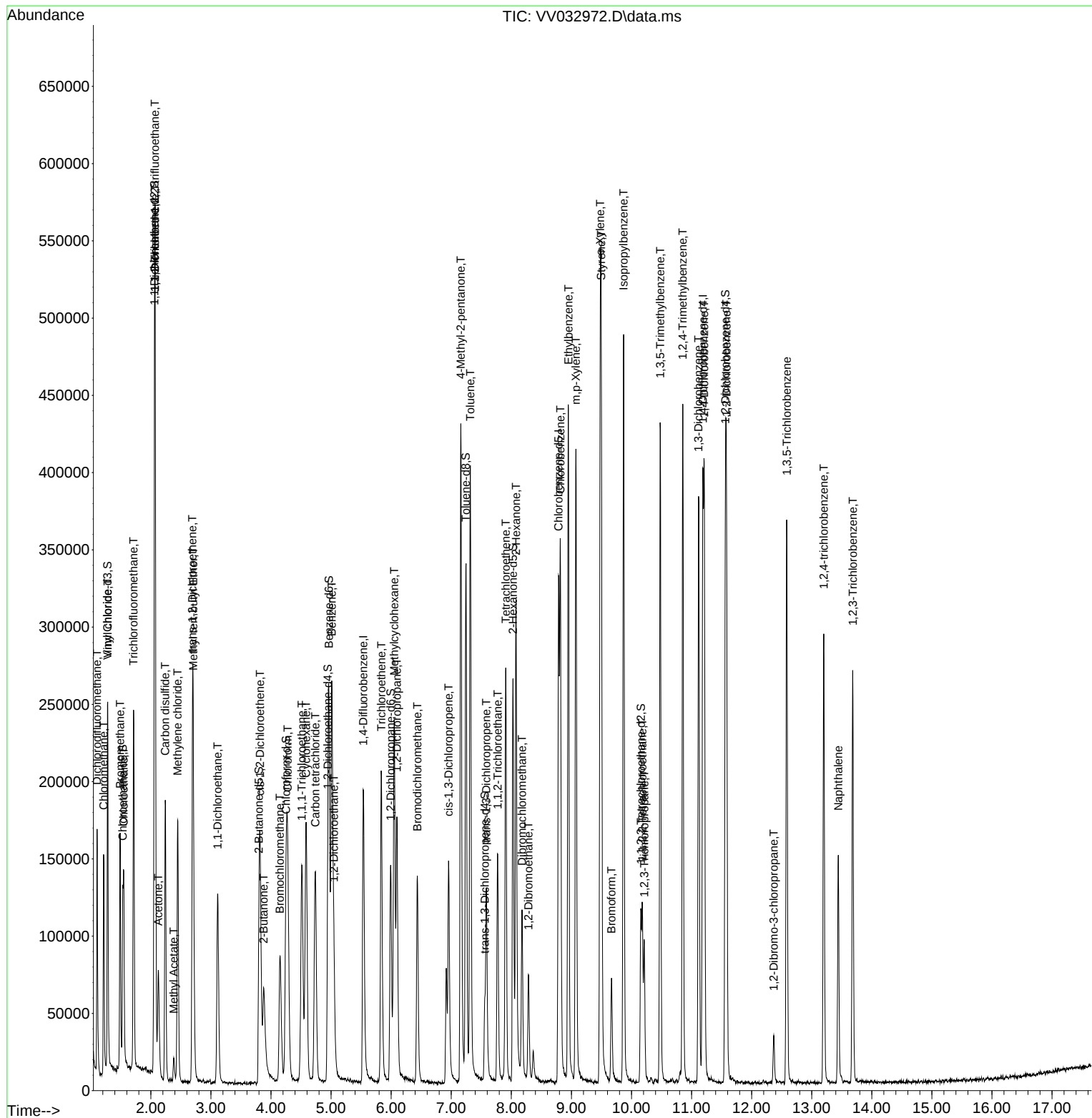
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	46834	5.149	ug/L	100
47) Tetrachloroethene	7.908	164	59729	5.072	ug/L	100
48) 2-Hexanone	8.079	43	188917	51.599	ug/L	100
49) Dibromochloromethane	8.178	129	54669	5.013	ug/L	100
50) 1,2-Dibromoethane	8.284	107	44107	5.071	ug/L	100
51) Chlorobenzene	8.815	112	188290	5.073	ug/L	100
52) Ethylbenzene	8.950	91	297636	5.181	ug/L	100
53) m,p-Xylene	9.075	106	115851	5.217	ug/L	100
54) o-Xylene	9.480	106	112461	5.300	ug/L	100
55) Styrene	9.497	104	198827	5.448	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	51040	5.032	ug/L	100
59) Bromoform	9.667	173	29472	5.075	ug/L	100
60) Isopropylbenzene	9.870	105	295772	5.187	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	33627	5.003	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	223455	5.000	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	235050	5.219	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	153450	5.068	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	152508	4.934	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	136353	5.043	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	6840	4.245	ug/L	100
69) 1,3,5-Trichlorobenzene	12.583	180	107976	4.803	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	84465	4.633	ug/L	100
71) Naphthalene	13.442	128	116585	4.594	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	75257	4.741	ug/L	100

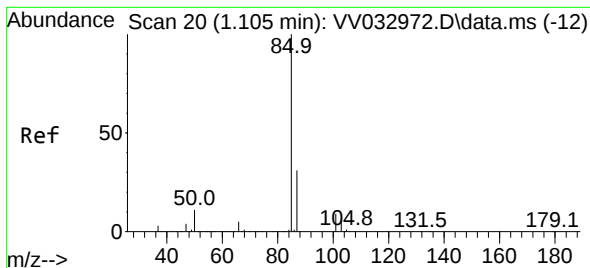
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111723\
 Data File : VV032972.D
 Acq On : 16 Nov 2023 19:45
 Operator : SY/MD
 Sample : VSTD005
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 17 00:31:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 17 00:29:50 2023
 Response via : Initial Calibration

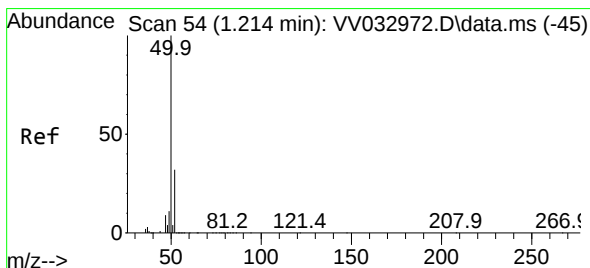
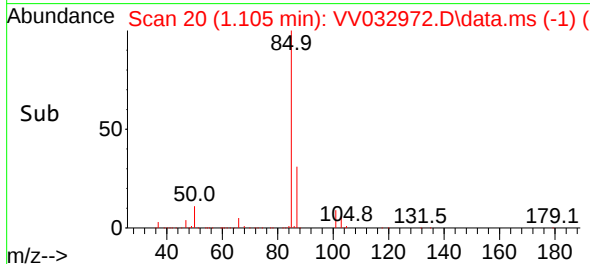
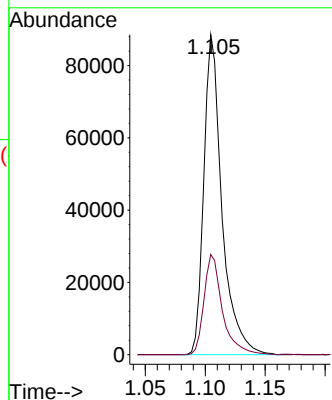
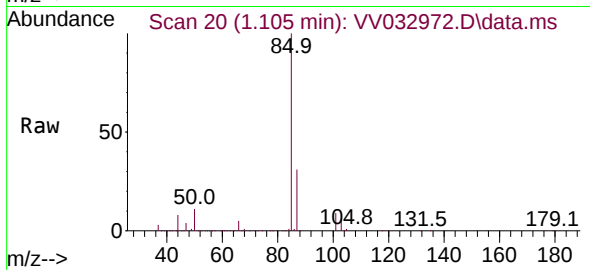




#2
 Dichlorodifluoromethane
 Concen: 4.953 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV032972.D
 Acq: 16 Nov 2023 19:45

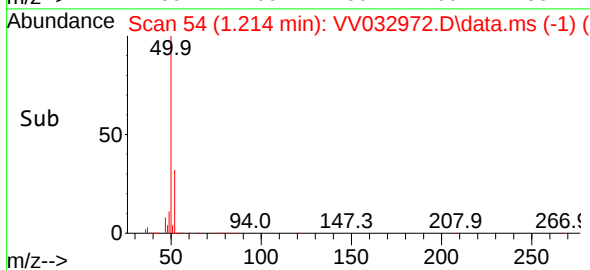
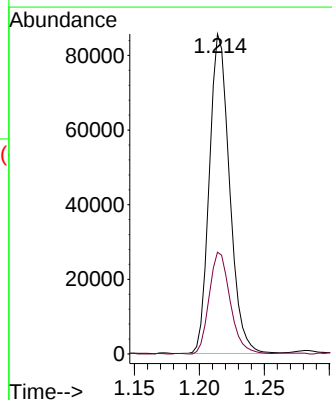
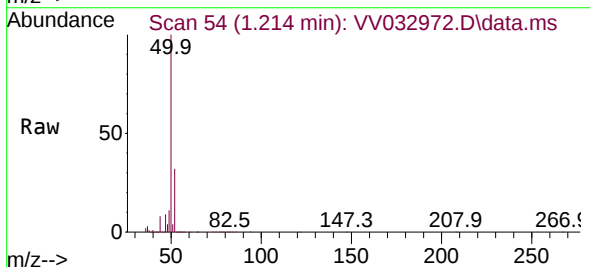
Instrument :
 MSVOA_V
 ClientSampleId :

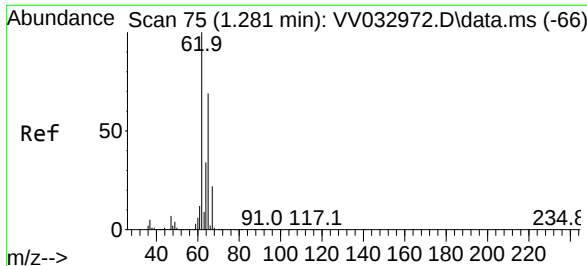
Tgt Ion: 85 Resp: 93273
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.4 38.2



#3
 Chloromethane
 Concen: 4.954 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV032972.D
 Acq: 16 Nov 2023 19:45

Tgt Ion: 50 Resp: 92803
 Ion Ratio Lower Upper
 50 100
 52 31.8 22.3 41.3





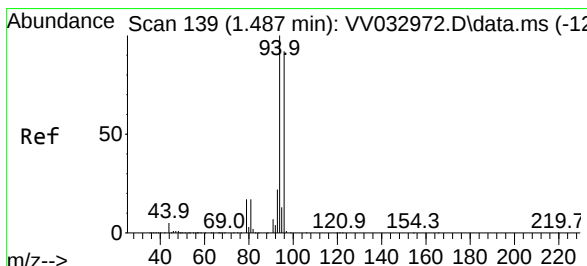
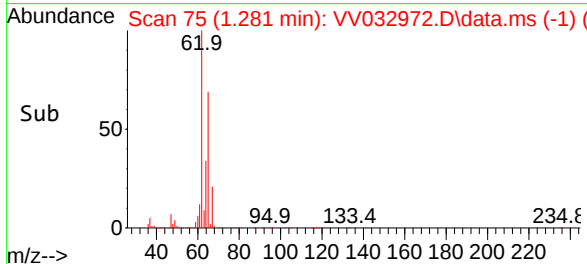
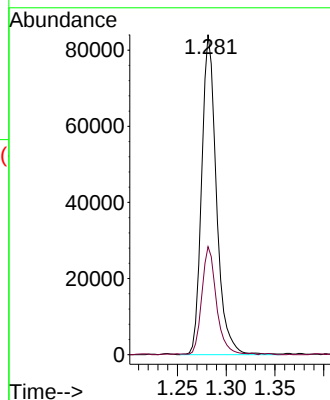
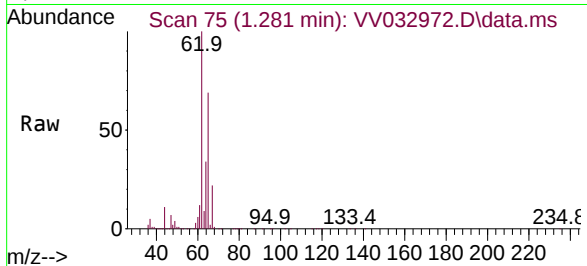
#5
 Vinyl chloride
 Concen: 4.983 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV032972.D
 Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

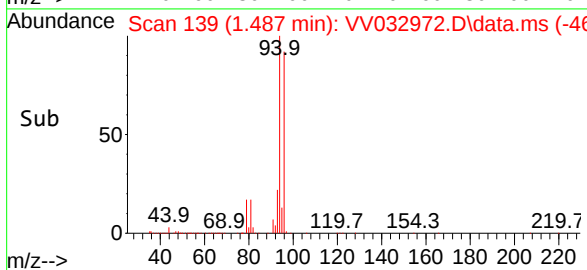
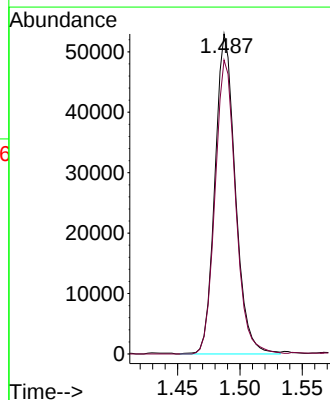
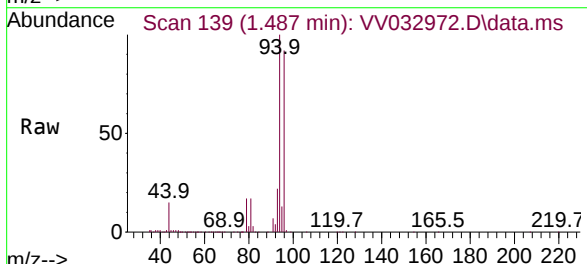
ClientSampleId :

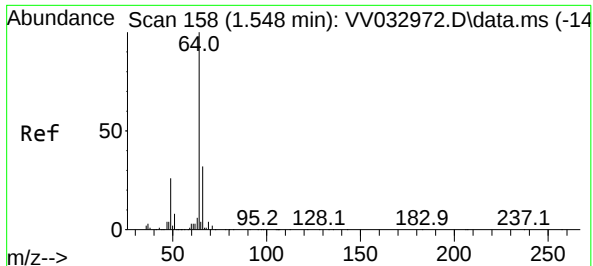
Tgt Ion: 62 Resp: 88634
 Ion Ratio Lower Upper
 62 100
 64 33.8 23.7 43.9



#6
 Bromomethane
 Concen: 4.760 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV032972.D
 Acq: 16 Nov 2023 19:45

Tgt Ion: 94 Resp: 60354
 Ion Ratio Lower Upper
 94 100
 96 91.8 64.3 119.3

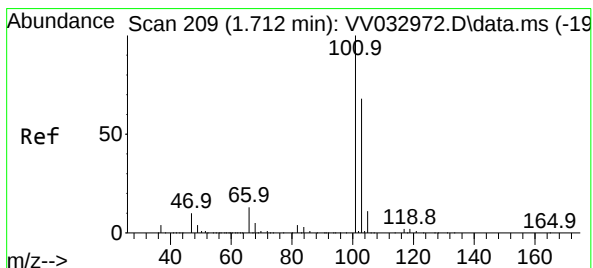
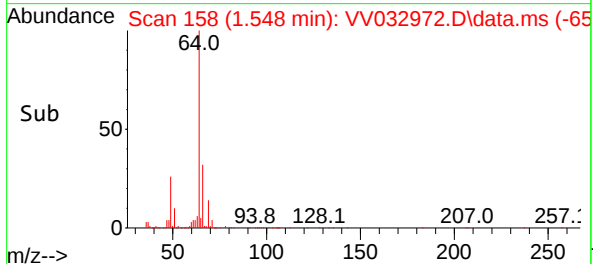
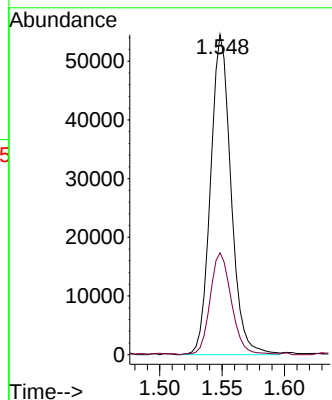
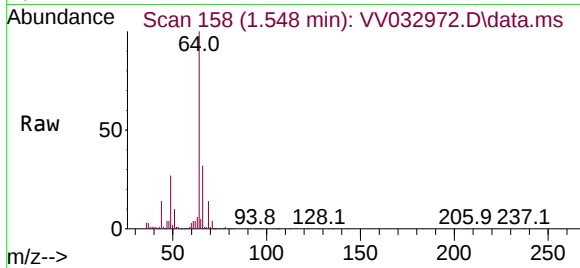




#8
Chloroethane
Concen: 4.677 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

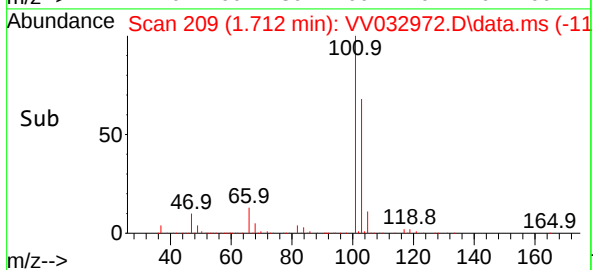
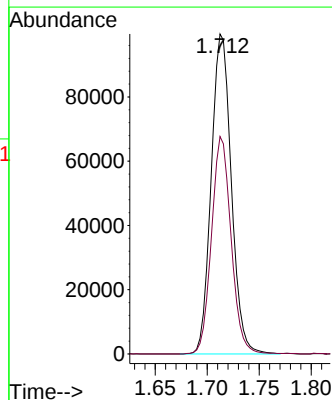
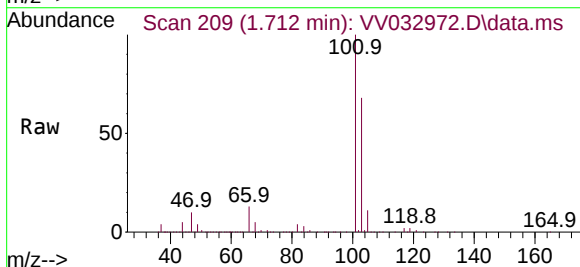
Instrument :
MSVOA_V
ClientSampleId :

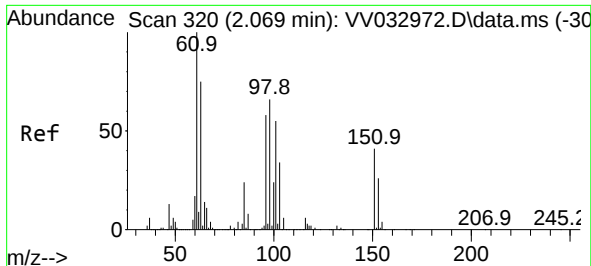
Tgt Ion: 64 Resp: 62417
Ion Ratio Lower Upper
64 100
66 31.9 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.854 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

Tgt Ion: 101 Resp: 133967
Ion Ratio Lower Upper
101 100
103 66.2 53.0 79.4





#10

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

Concen: 4.931 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

ClientSampleId :

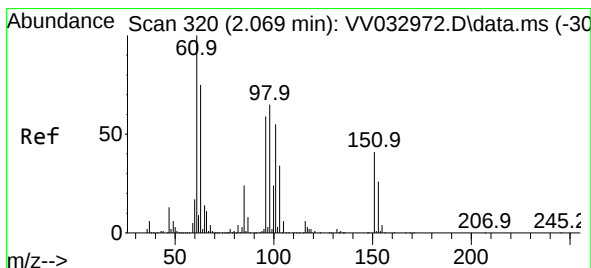
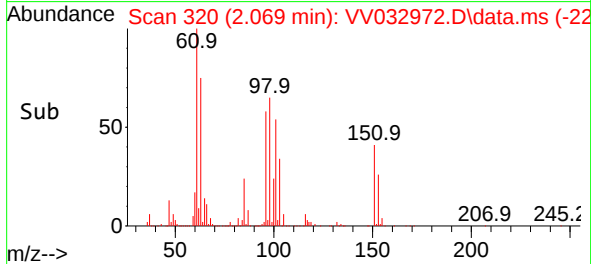
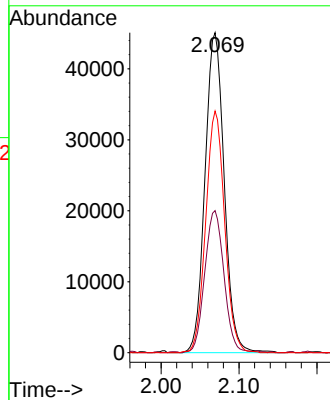
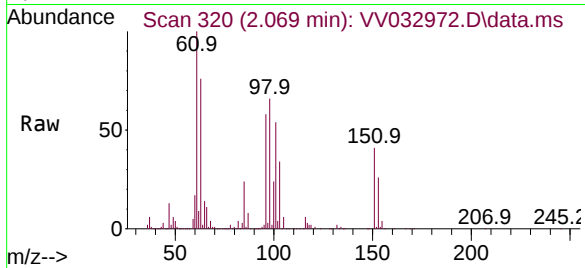
Tgt Ion:101 Resp: 77165

Ion Ratio Lower Upper

101 100

85 44.4 35.5 53.3

151 74.4 59.5 89.3



#12

1,1-Dichloroethene

Concen: 4.856 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

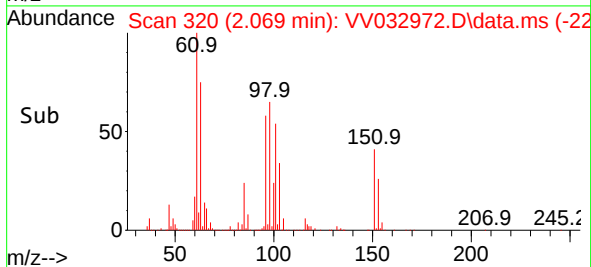
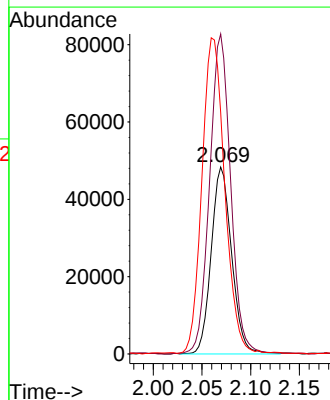
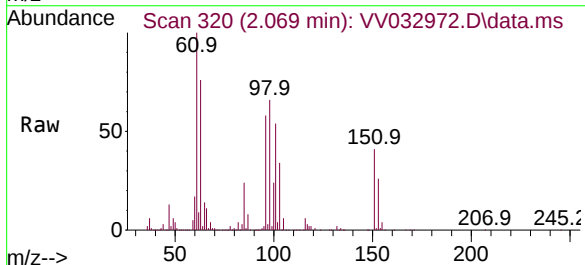
Tgt Ion: 96 Resp: 70583

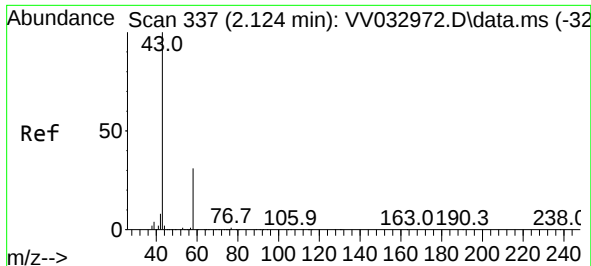
Ion Ratio Lower Upper

96 100

61 171.2 119.8 222.6

63 129.3 90.5 168.1





#13

Acetone

Concen: 44.097 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

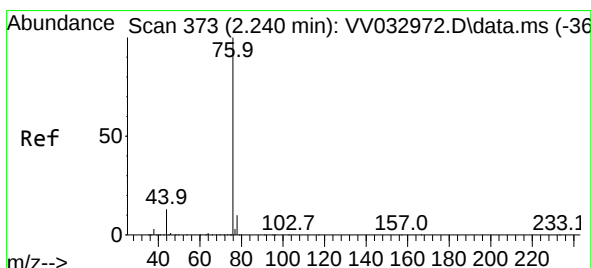
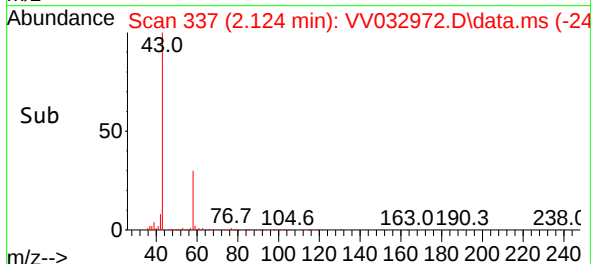
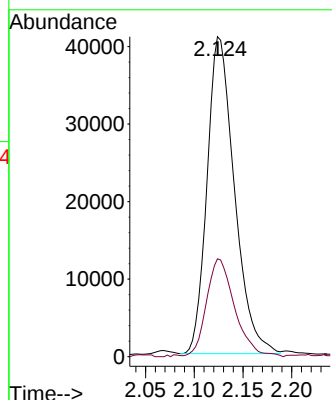
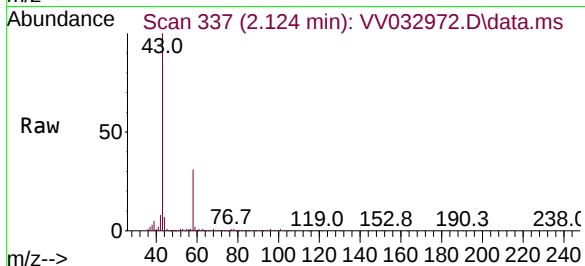
ClientSampleId :

Tgt Ion: 43 Resp: 79985

Ion Ratio Lower Upper

43 100

58 31.8 0.0 63.6



#14

Carbon disulfide

Concen: 4.932 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV032972.D

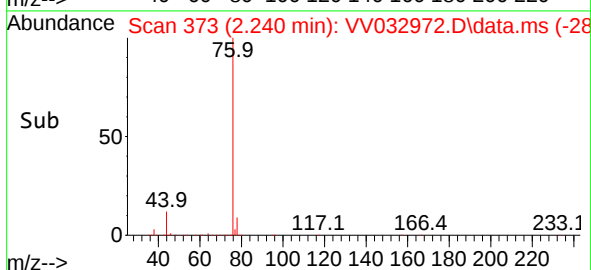
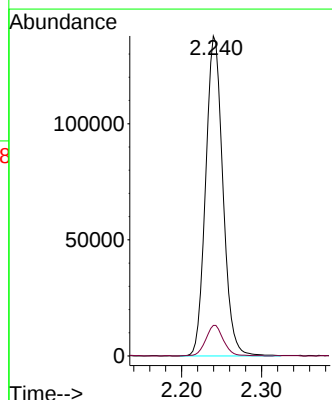
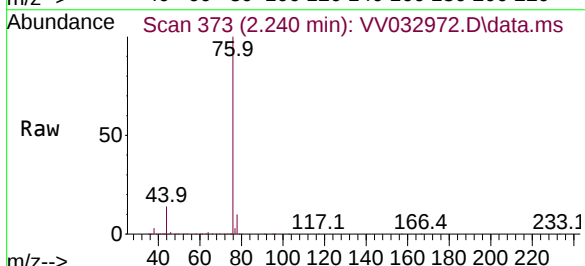
Acq: 16 Nov 2023 19:45

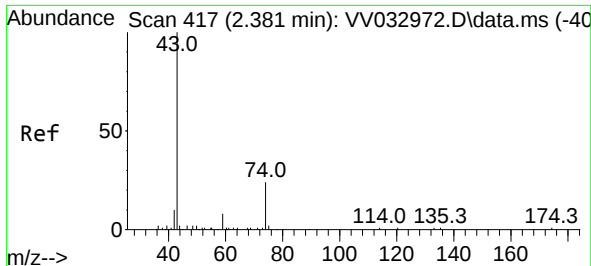
Tgt Ion: 76 Resp: 207148

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5

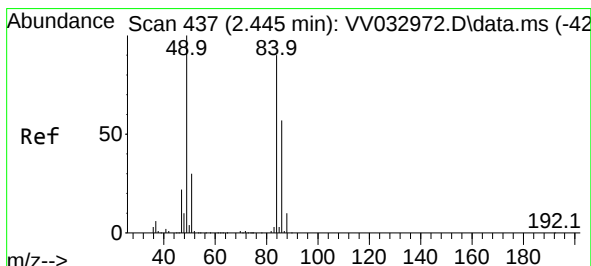
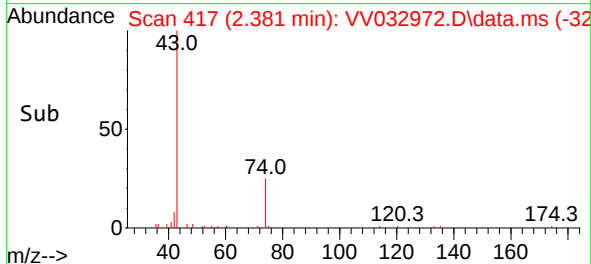
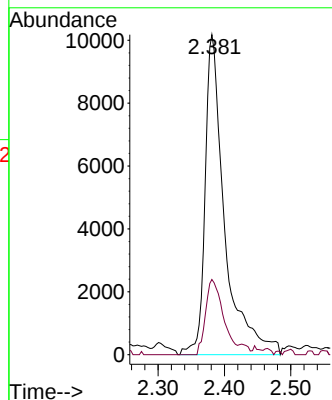
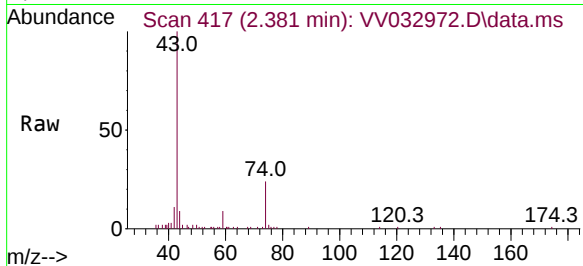




#15
Methyl Acetate
Concen: 5.191 ug/L
RT: 2.381 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

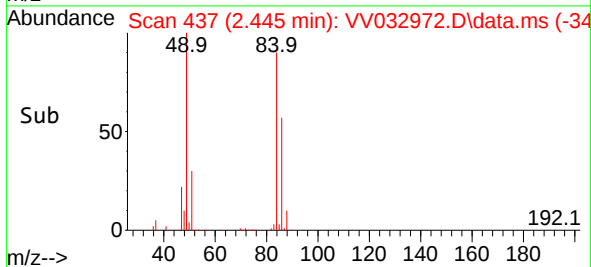
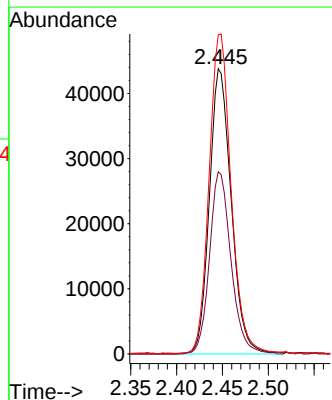
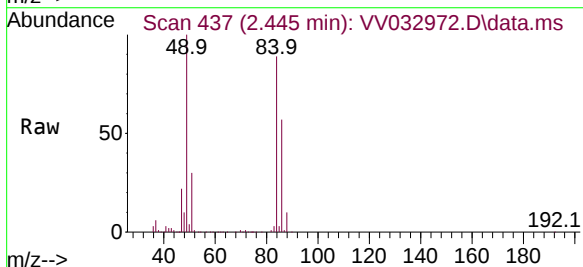
Instrument :
MSVOA_V
ClientSampleId :

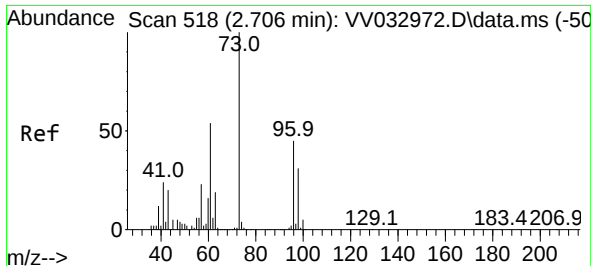
Tgt Ion: 43 Resp: 20890
Ion Ratio Lower Upper
43 100
74 21.1 16.9 25.3



#16
Methylene chloride
Concen: 4.211 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

Tgt Ion: 84 Resp: 72478
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 111.9 78.3 145.5





#17

Methyl tert-butyl Ether

Concen: 4.762 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

ClientSampleId :

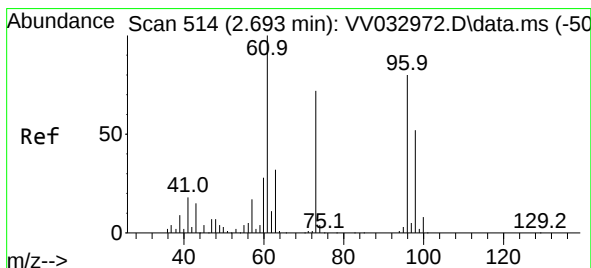
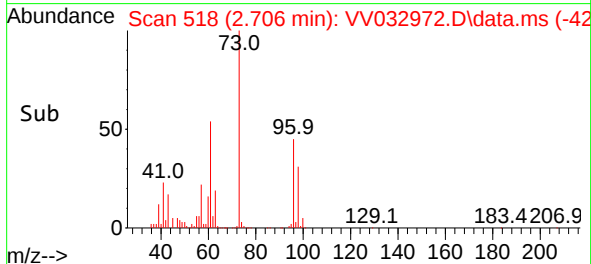
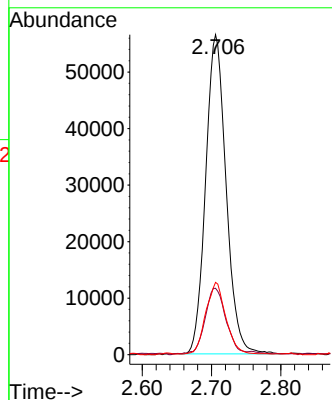
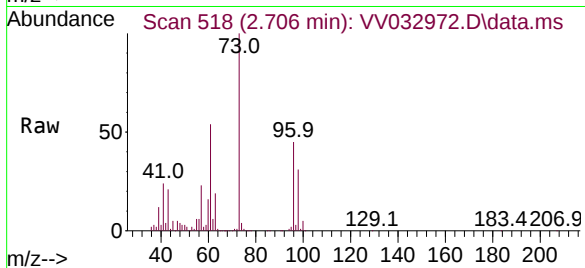
Tgt Ion: 73 Resp: 115534

Ion Ratio Lower Upper

73 100

43 21.6 17.3 25.9

57 22.2 17.8 26.6



#18

trans-1,2-Dichloroethene

Concen: 4.953 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

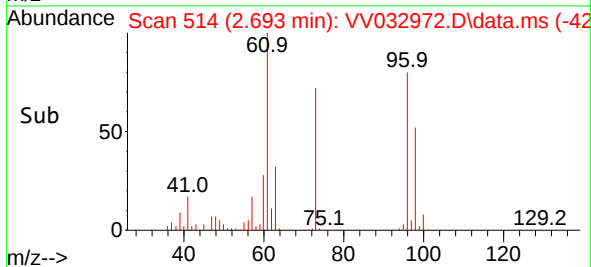
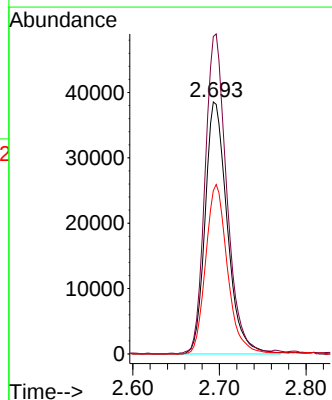
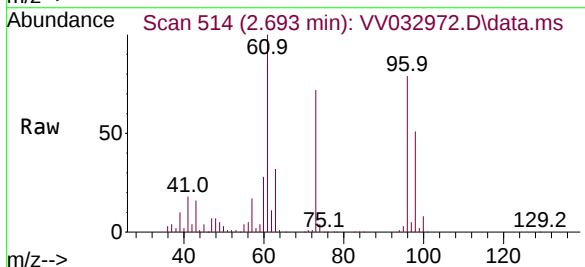
Tgt Ion: 96 Resp: 68455

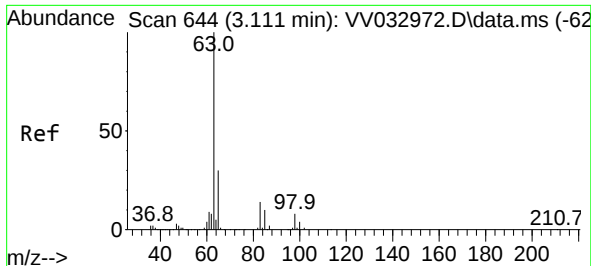
Ion Ratio Lower Upper

96 100

61 126.0 88.2 163.8

98 64.9 45.4 84.4

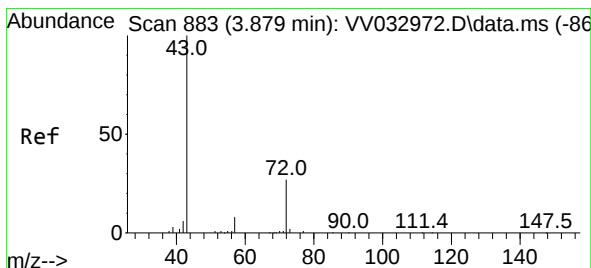
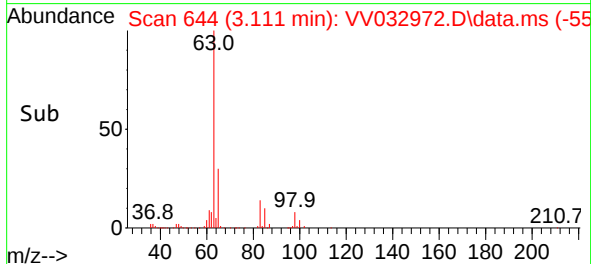
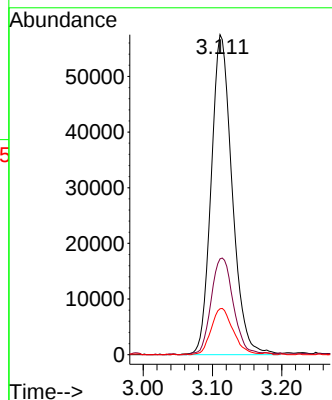
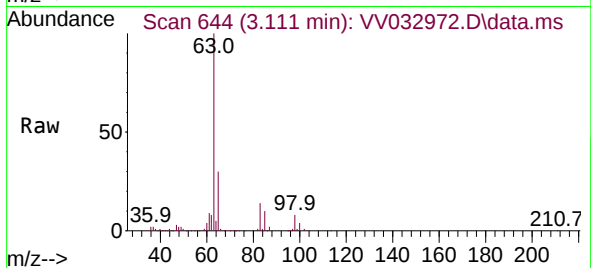




#19
1,1-Dichloroethane
Concen: 4.937 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

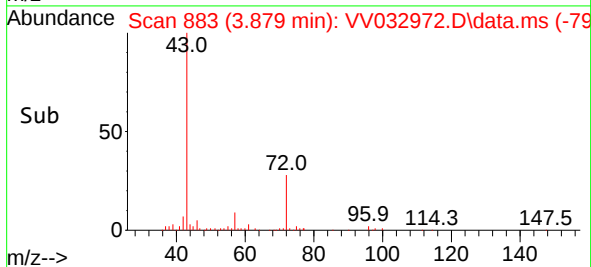
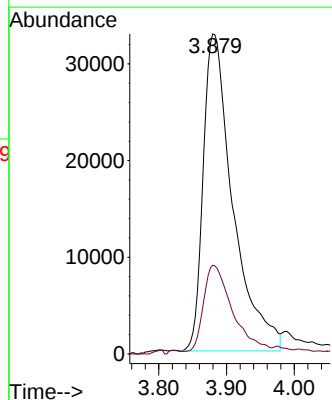
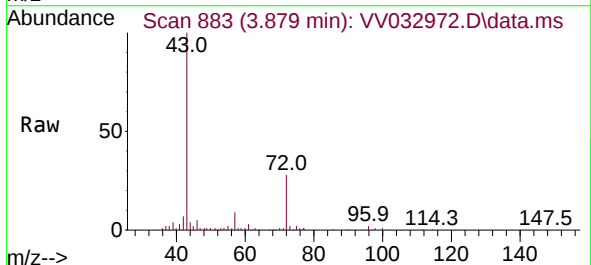
Instrument :
MSVOA_V
ClientSampleId :

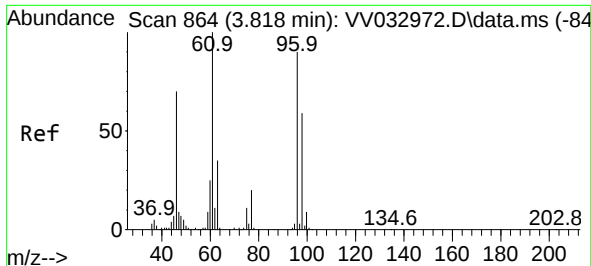
Tgt Ion: 63 Resp: 120859
Ion Ratio Lower Upper
63 100
65 30.0 21.0 39.0
83 14.3 10.0 18.6



#21
2-Butanone
Concen: 45.928 ug/L
RT: 3.879 min Scan# 883
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

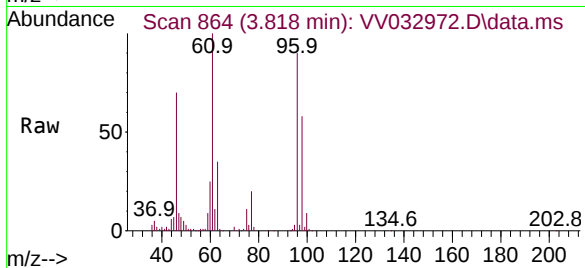
Tgt Ion: 43 Resp: 100095
Ion Ratio Lower Upper
43 100
72 26.7 13.4 40.1





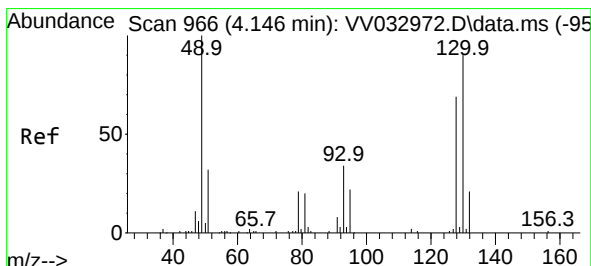
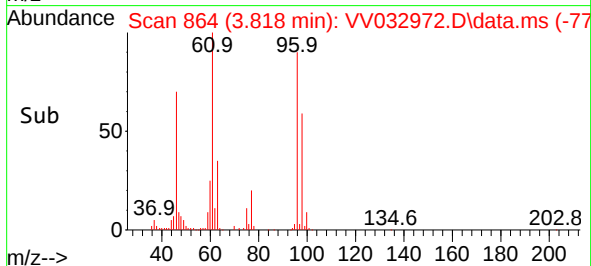
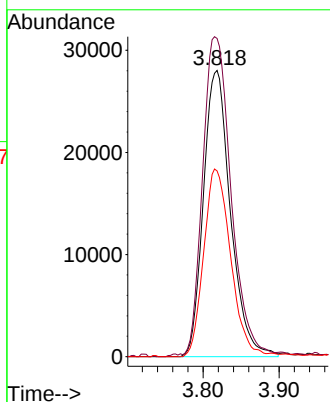
#22
 cis-1,2-Dichloroethene
 Concen: 4.904 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: VV032972.D
 Acq: 16 Nov 2023 19:45

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 69322

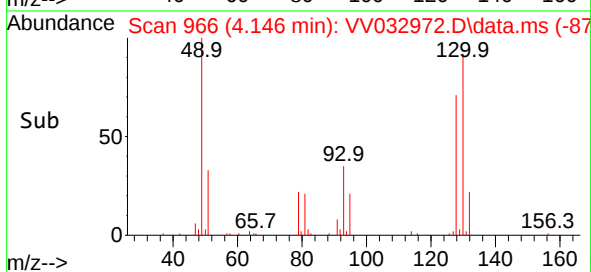
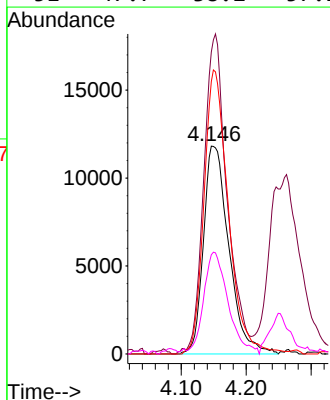
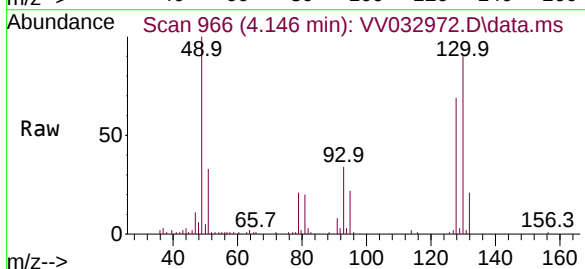
Ion	Ratio	Lower	Upper
96	100		
61	111.2	77.8	144.6
98	64.9	45.4	84.4

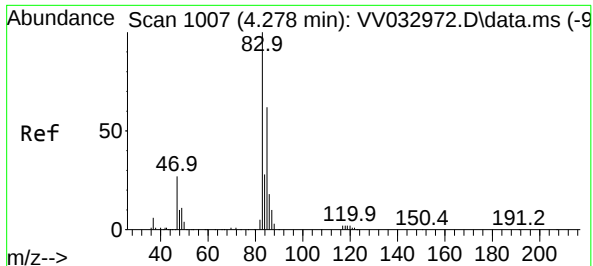


#23
 Bromochloromethane
 Concen: 4.949 ug/L
 RT: 4.146 min Scan# 966
 Delta R.T. 0.000 min
 Lab File: VV032972.D
 Acq: 16 Nov 2023 19:45

Tgt Ion: 128 Resp: 32094

Ion	Ratio	Lower	Upper
128	100		
49	145.2	101.6	188.8
130	131.0	91.7	170.3
51	47.7	38.2	57.2





#25

Chloroform

Concen: 4.989 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

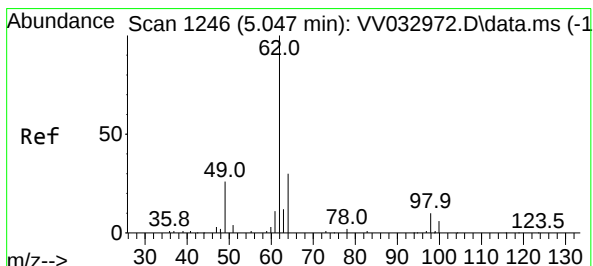
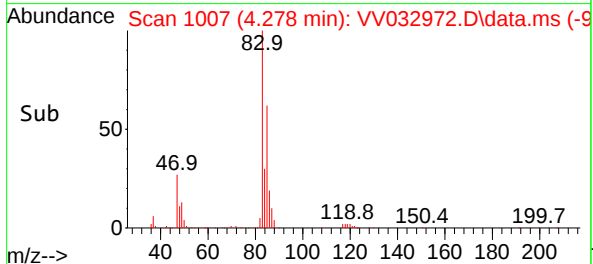
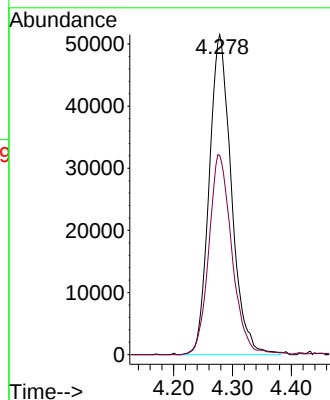
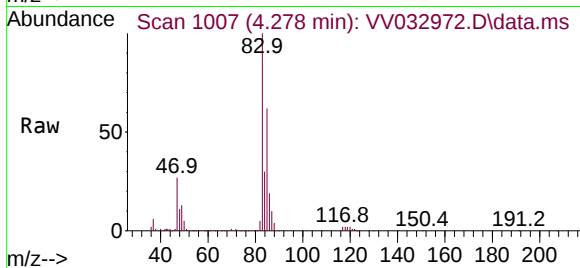
ClientSampleId :

Tgt Ion: 83 Resp: 134763

Ion Ratio Lower Upper

83 100

85 62.3 43.6 81.0



#27

1,2-Dichloroethane

Concen: 4.957 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV032972.D

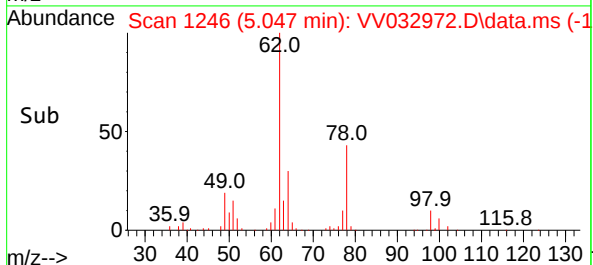
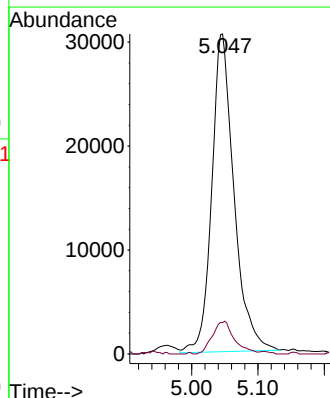
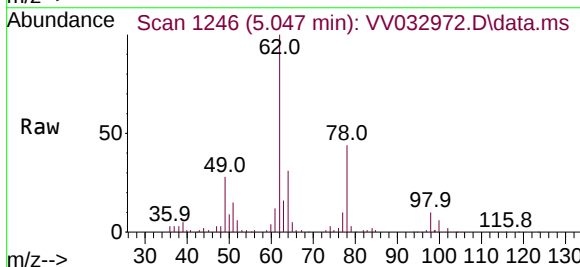
Acq: 16 Nov 2023 19:45

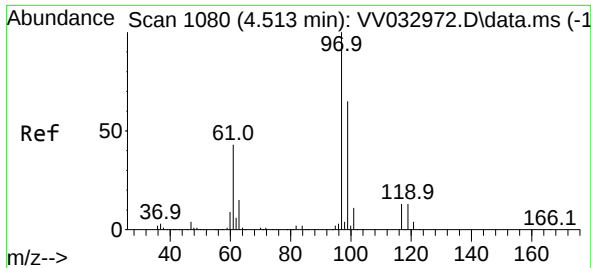
Tgt Ion: 62 Resp: 71225

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.976 ug/L

RT: 4.513 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

ClientSampleId :

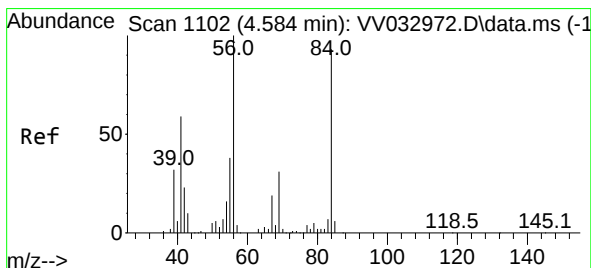
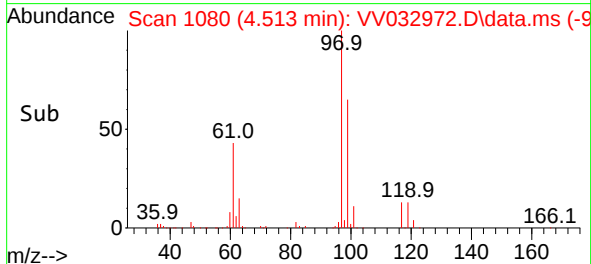
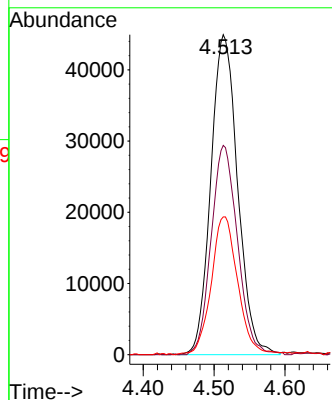
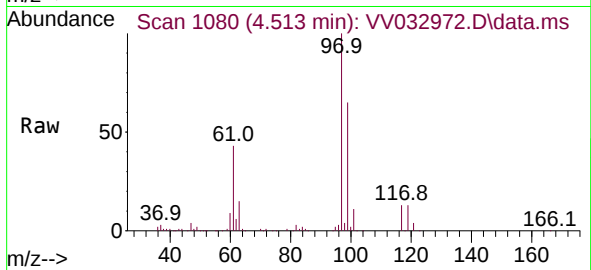
Tgt Ion: 97 Resp: 118307

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 42.7 34.2 51.2



#30

Cyclohexane

Concen: 5.018 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

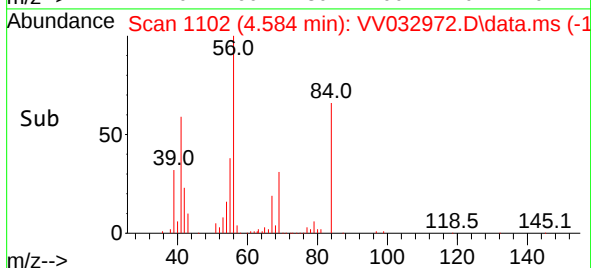
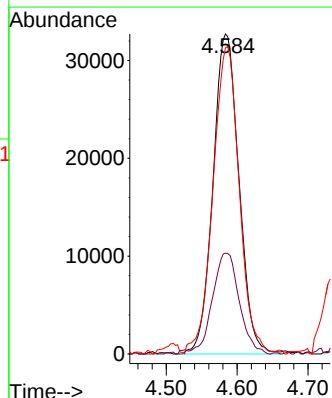
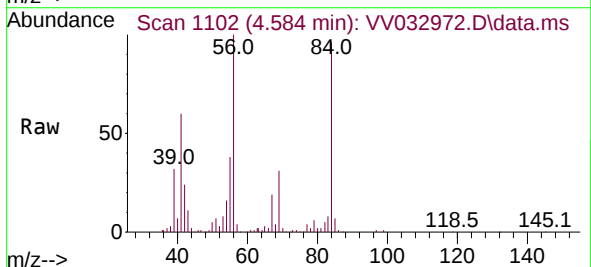
Tgt Ion: 56 Resp: 83185

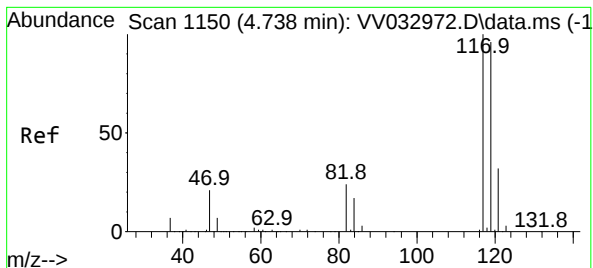
Ion Ratio Lower Upper

56 100

69 32.4 25.9 38.9

84 96.9 77.5 116.3





#31

Carbon tetrachloride

Concen: 5.096 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

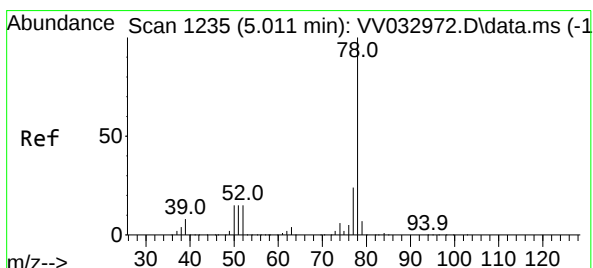
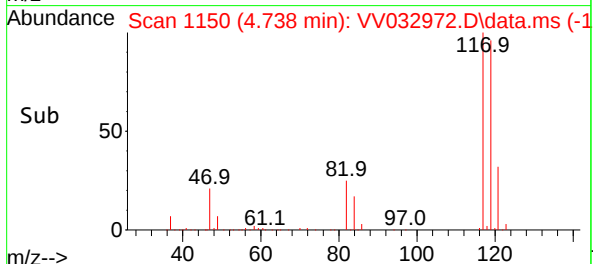
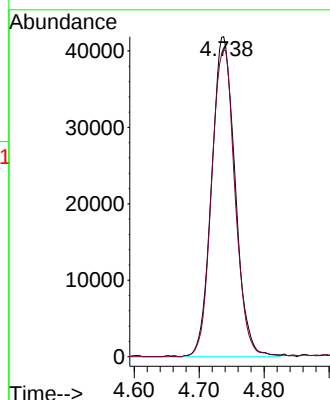
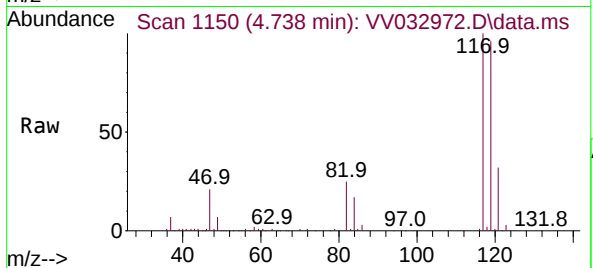
ClientSampleId :

Tgt Ion:117 Resp: 104916

Ion Ratio Lower Upper

117 100

119 96.0 76.8 115.2



#33

Benzene

Concen: 5.315 ug/L

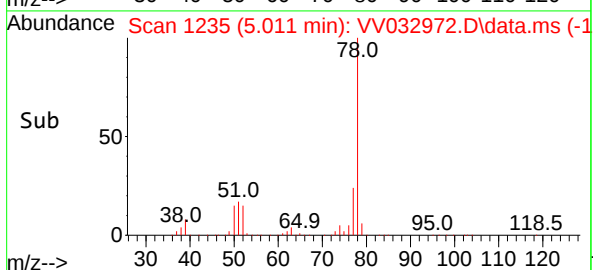
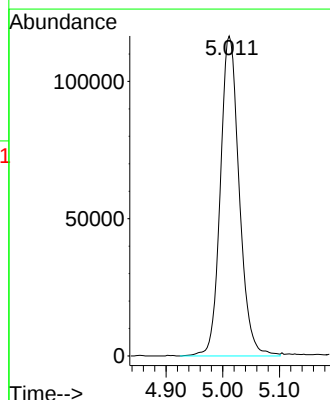
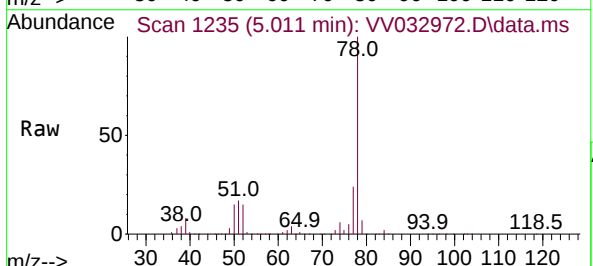
RT: 5.011 min Scan# 1235

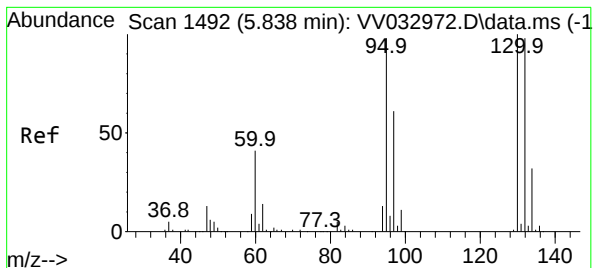
Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Tgt Ion: 78 Resp: 270086





#34

Trichloroethene

Concen: 5.092 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 71210

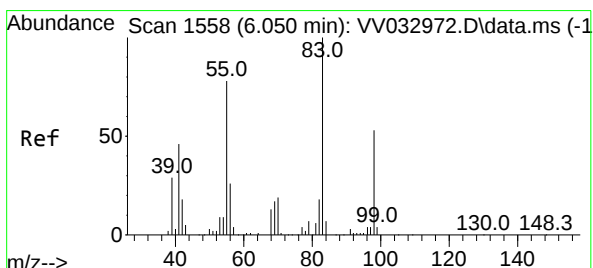
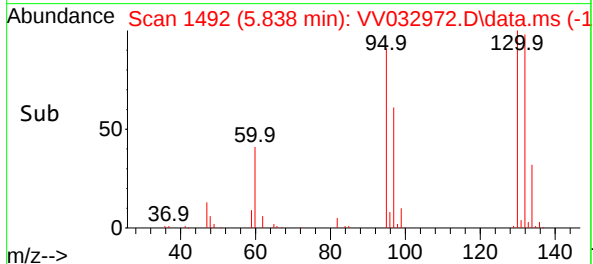
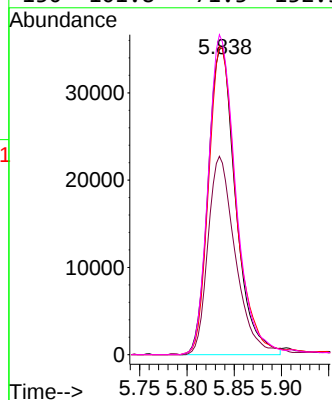
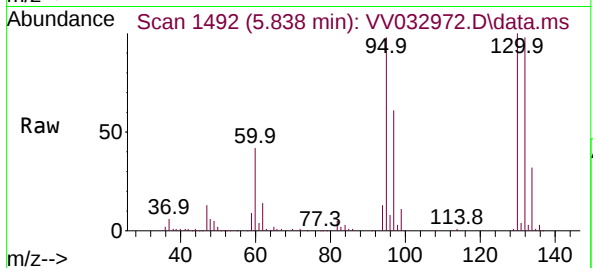
Ion Ratio Lower Upper

95 100

97 62.4 43.7 81.1

132 99.6 69.7 129.5

130 101.8 71.3 132.3



#35

Methylcyclohexane

Concen: 5.058 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

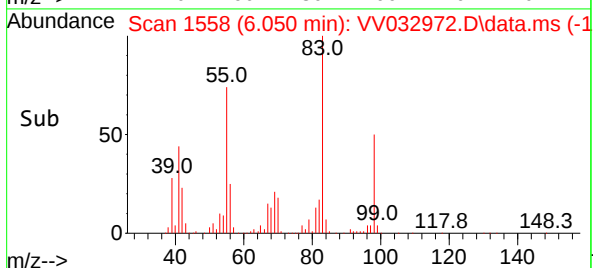
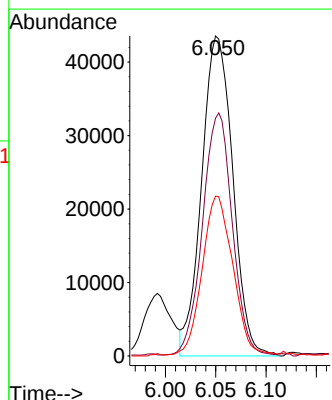
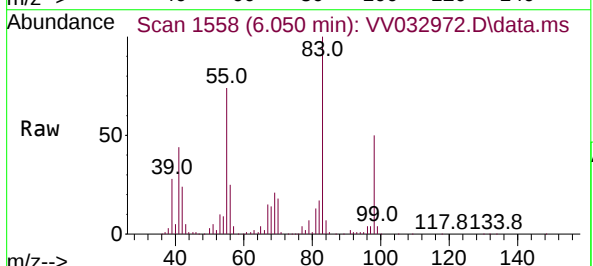
Tgt Ion: 83 Resp: 93717

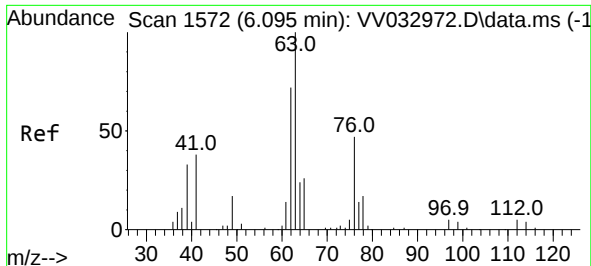
Ion Ratio Lower Upper

83 100

55 72.0 57.6 86.4

98 48.7 39.0 58.4





#37

1,2-Dichloropropane

Concen: 5.181 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

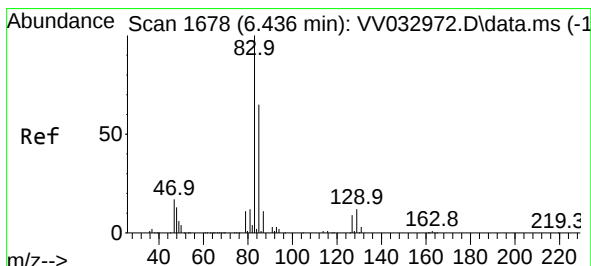
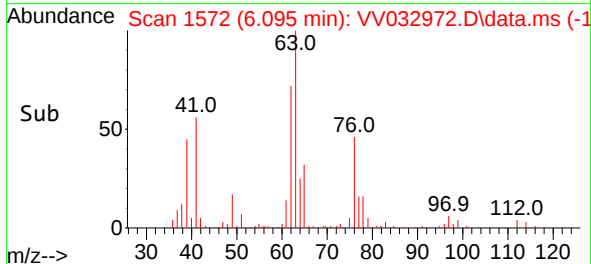
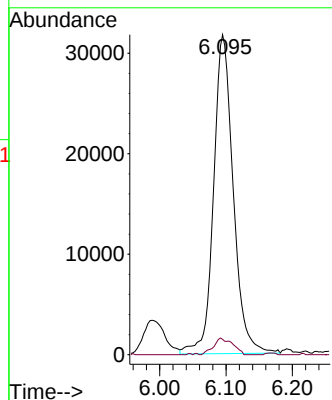
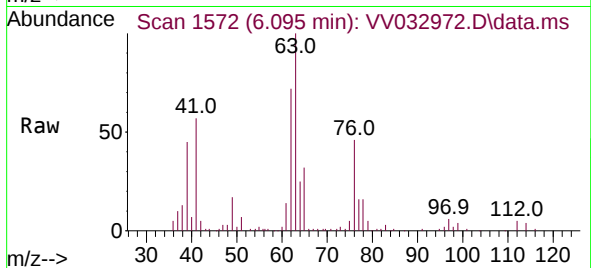
ClientSampleId :

Tgt Ion: 63 Resp: 65455

Ion Ratio Lower Upper

63 100

112 5.1 4.1 6.1



#38

Bromodichloromethane

Concen: 5.077 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

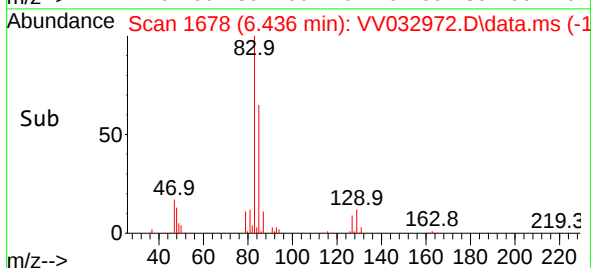
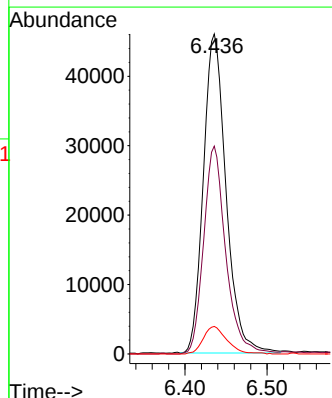
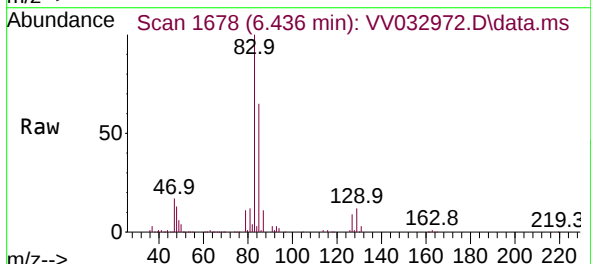
Tgt Ion: 83 Resp: 88514

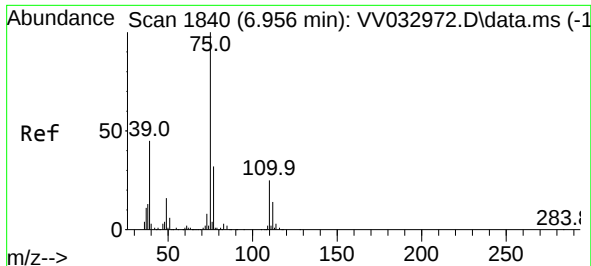
Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.4

127 8.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.006 ug/L

RT: 6.956 min Scan# 1840

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

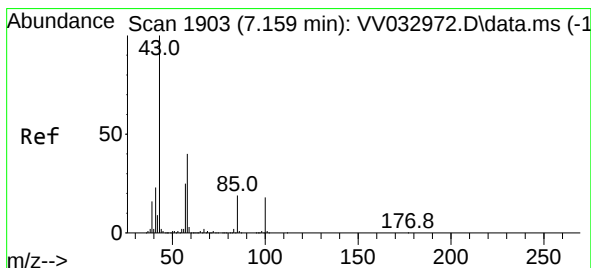
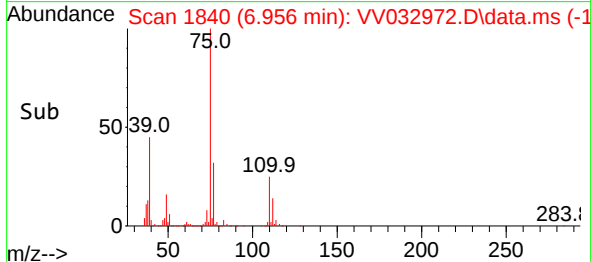
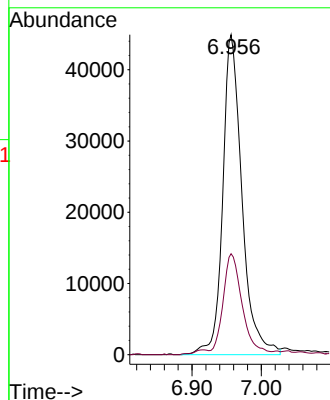
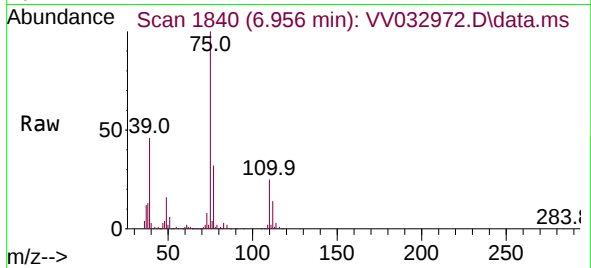
ClientSampleId :

Tgt Ion: 75 Resp: 86747

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 53.479 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

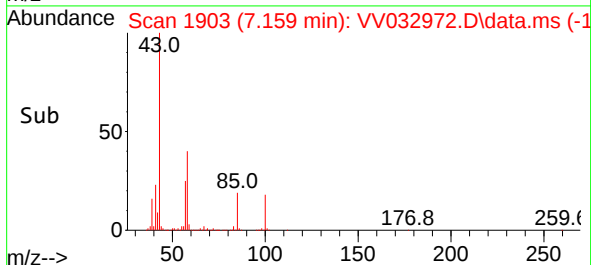
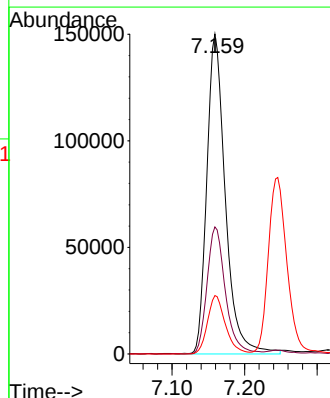
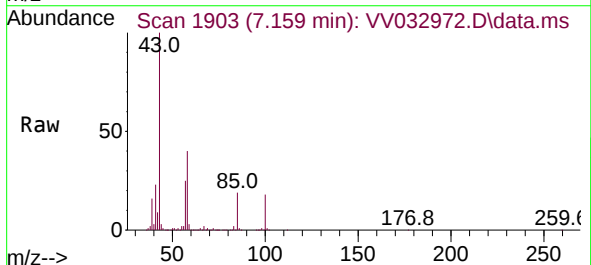
Tgt Ion: 43 Resp: 266616

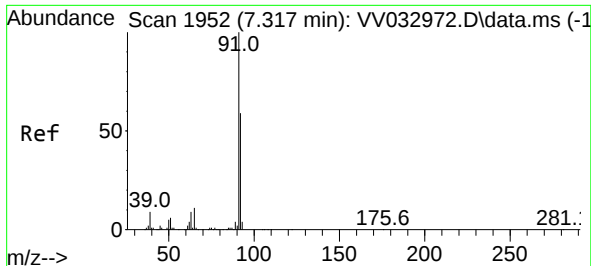
Ion Ratio Lower Upper

43 100

58 39.6 31.7 47.5

100 17.7 14.2 21.2





#42

Toluene

Concen: 5.291 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

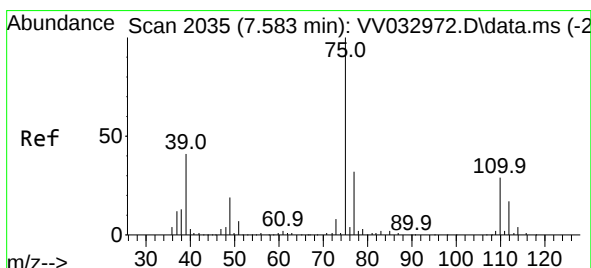
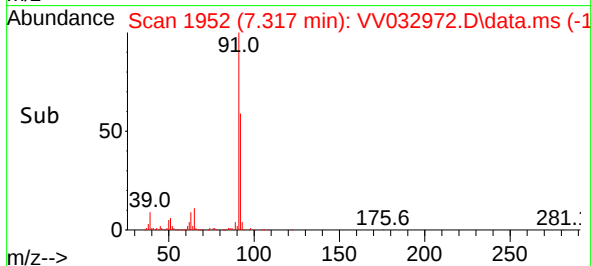
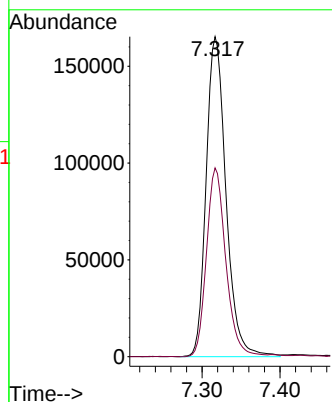
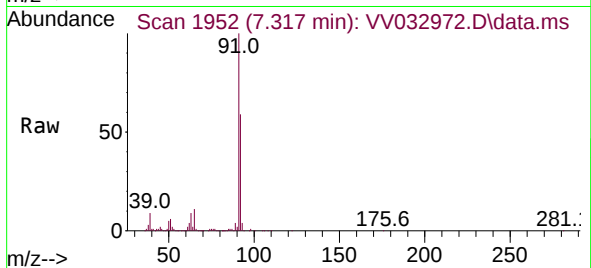
ClientSampleId :

Tgt Ion: 91 Resp: 292456

Ion Ratio Lower Upper

91 100

92 59.0 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.920 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV032972.D

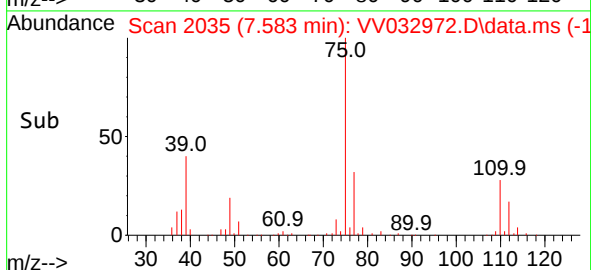
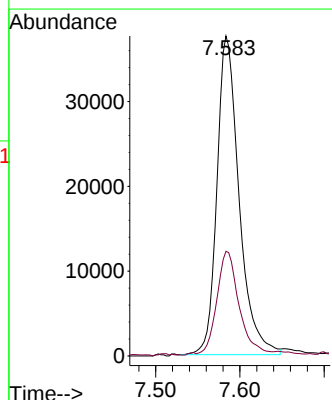
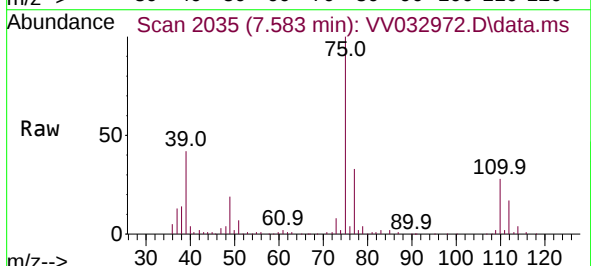
Acq: 16 Nov 2023 19:45

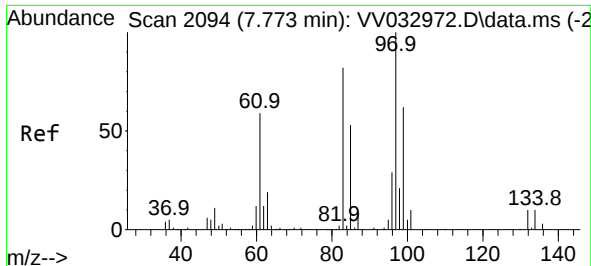
Tgt Ion: 75 Resp: 68571

Ion Ratio Lower Upper

75 100

77 32.7 22.9 42.5

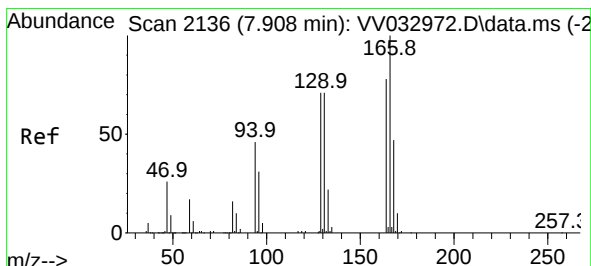
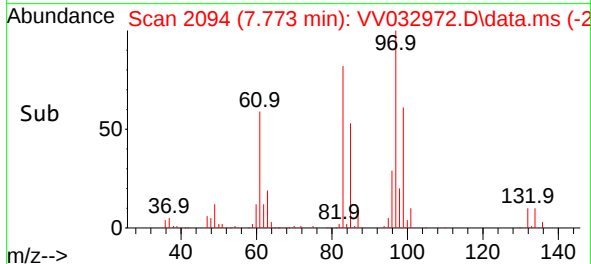
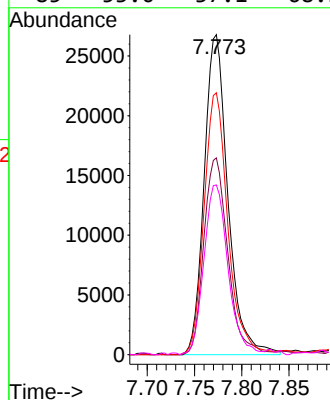
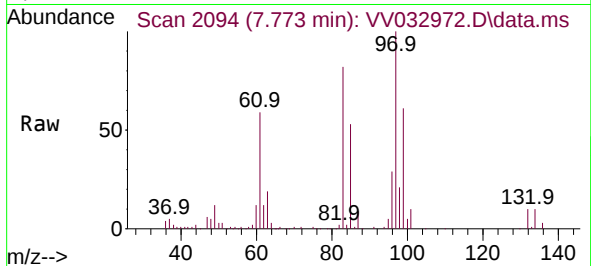




#45
1,1,2-Trichloroethane
Concen: 5.149 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

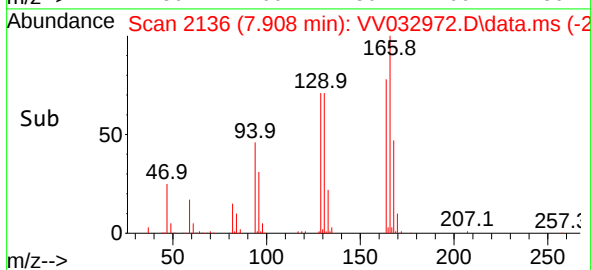
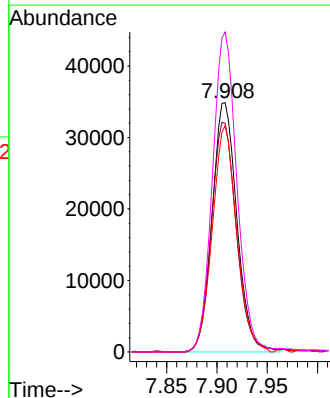
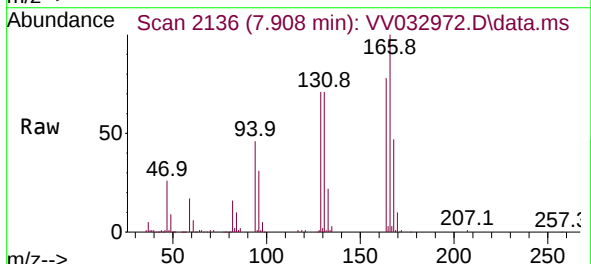
Instrument :
MSVOA_V
ClientSampleId :

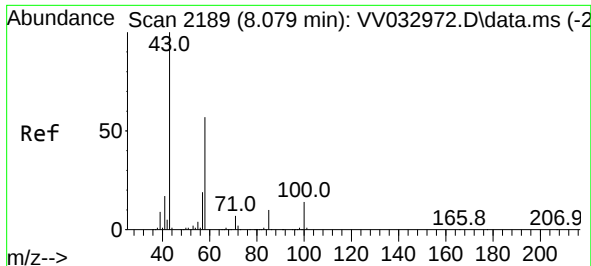
Tgt Ion:	97	Resp:	46834
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.0	80.0
83	81.9	57.3	106.5
85	53.0	37.1	68.9



#47
Tetrachloroethene
Concen: 5.072 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

Tgt Ion:	164	Resp:	59729
Ion	Ratio	Lower	Upper
164	100		
129	91.7	64.2	119.2
131	90.7	63.5	117.9
166	128.3	89.8	166.8

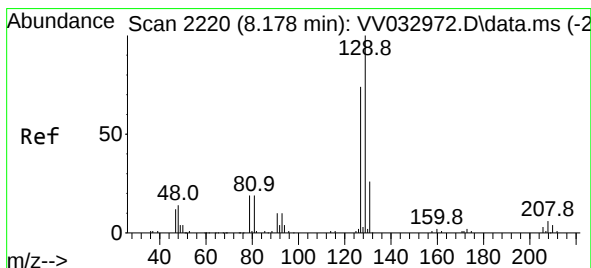
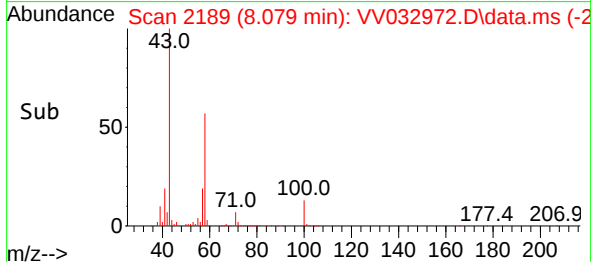
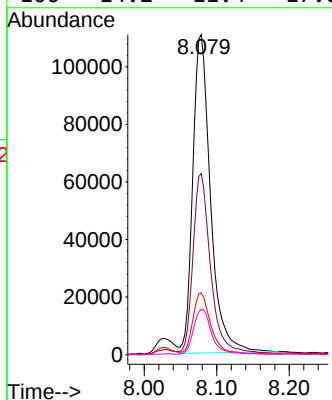
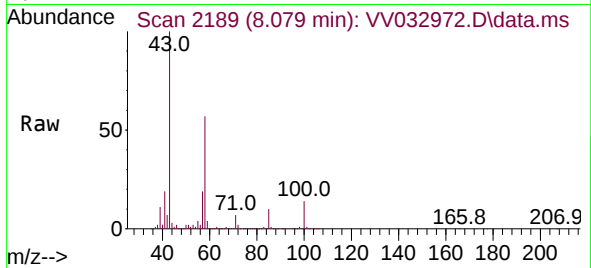




#48
2-Hexanone
Concen: 51.599 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

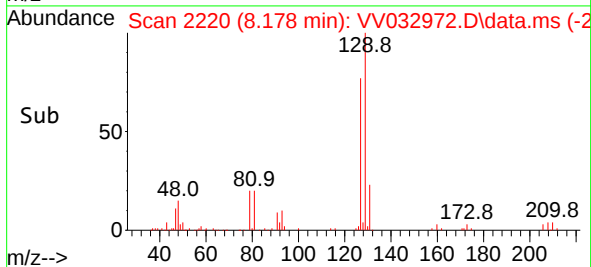
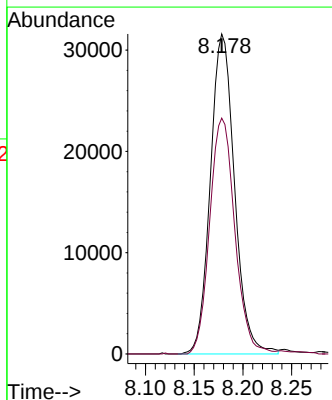
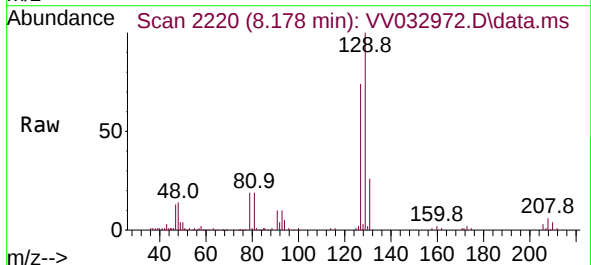
Instrument :
MSVOA_V
ClientSampleId :

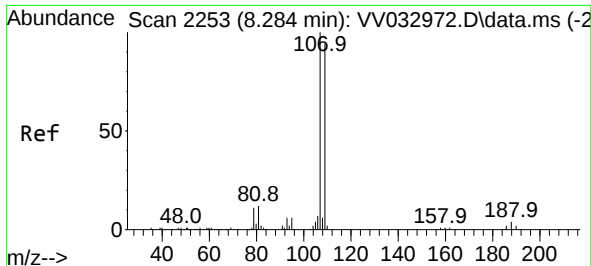
Tgt Ion: 43 Resp: 188917
Ion Ratio Lower Upper
43 100
58 56.1 44.9 67.3
57 18.9 15.1 22.7
100 14.2 11.4 17.0



#49
Dibromochloromethane
Concen: 5.013 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

Tgt Ion: 129 Resp: 54669
Ion Ratio Lower Upper
129 100
127 73.7 51.6 95.8

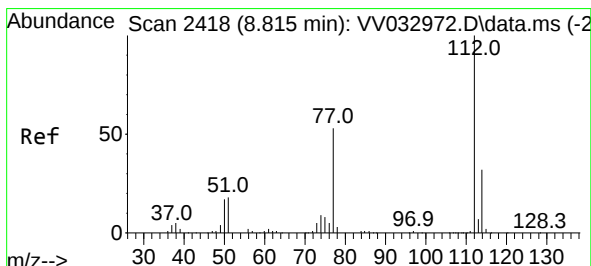
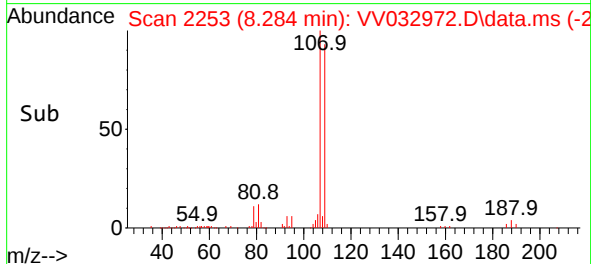
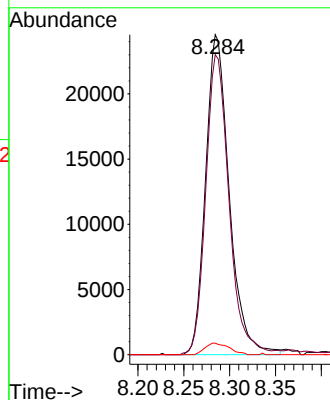
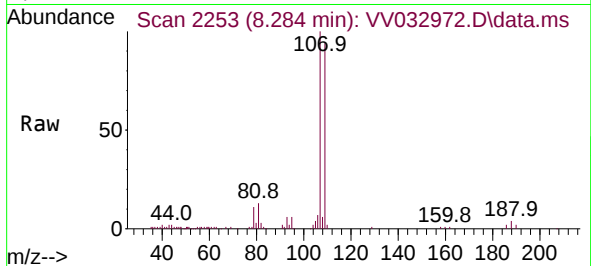




#50
1,2-Dibromoethane
Concen: 5.071 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

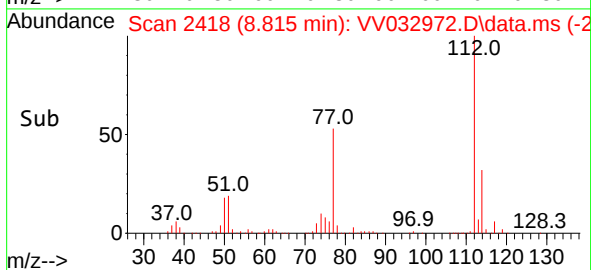
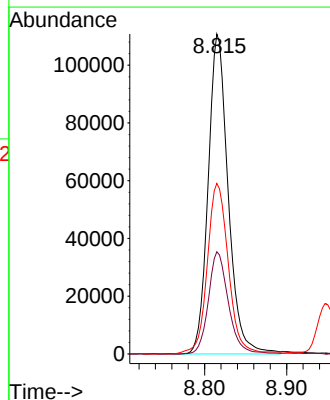
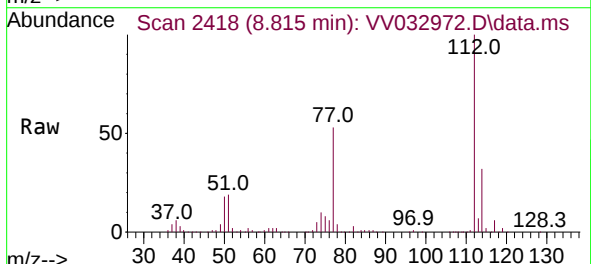
Instrument :
MSVOA_V
ClientSampleId :

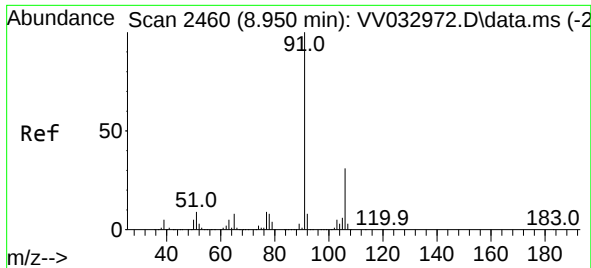
Tgt Ion:	107	Resp:	44107
Ion	Ratio	Lower	Upper
107	100		
109	93.7	65.6	121.8
188	3.6	2.9	4.3



#51
Chlorobenzene
Concen: 5.073 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

Tgt Ion:	112	Resp:	188290
Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	53.3	42.6	64.0

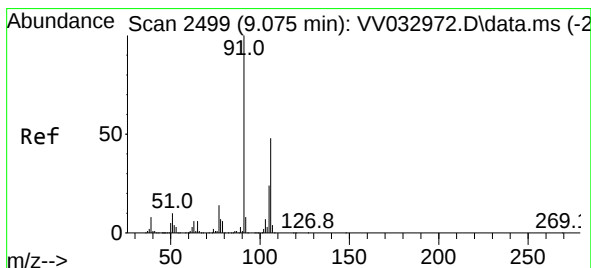
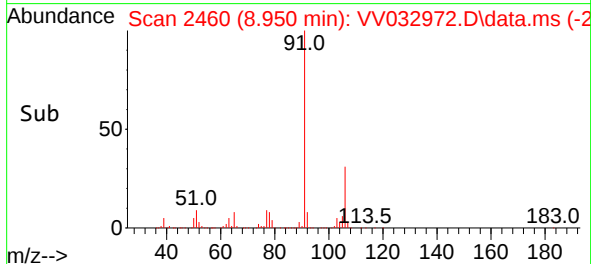
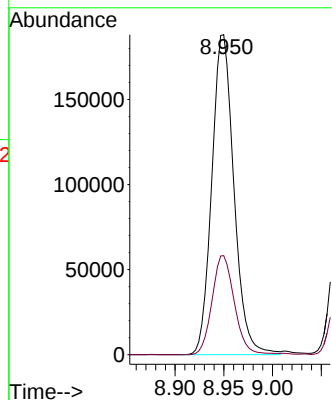
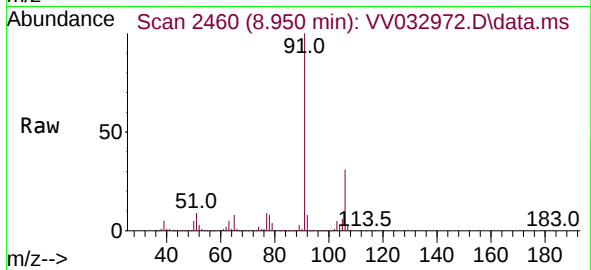




#52
Ethylbenzene
Concen: 5.181 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

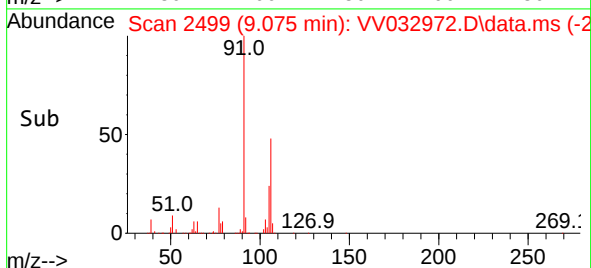
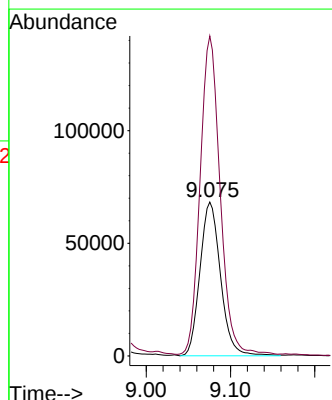
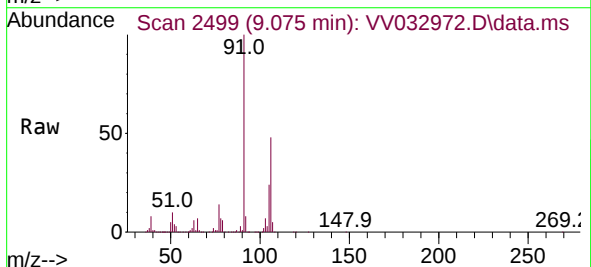
Instrument :
MSVOA_V
ClientSampleId :

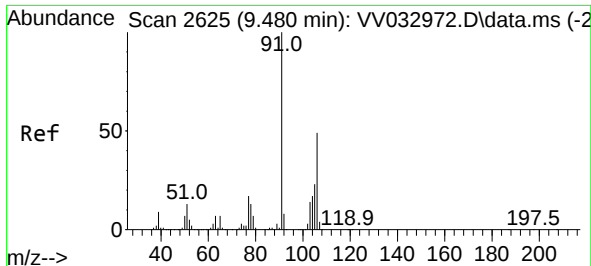
Tgt Ion: 91 Resp: 297636
Ion Ratio Lower Upper
91 100
106 31.0 21.7 40.3



#53
m,p-Xylene
Concen: 5.217 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

Tgt Ion: 106 Resp: 115851
Ion Ratio Lower Upper
106 100
91 207.9 145.5 270.3

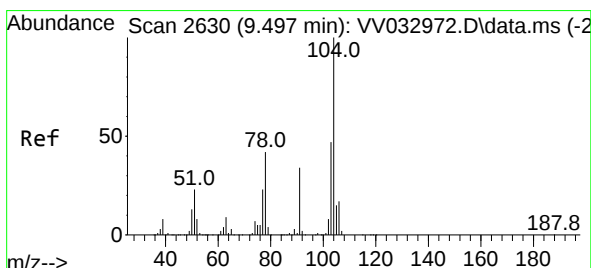
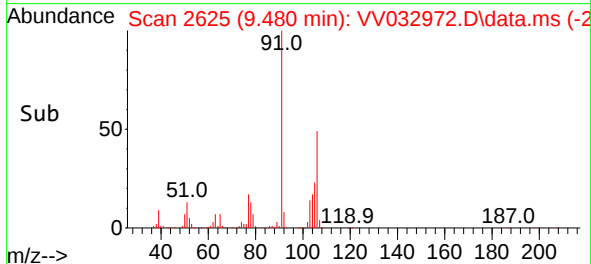
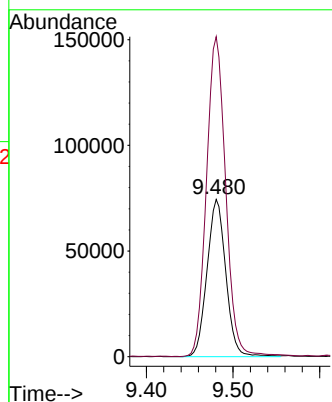
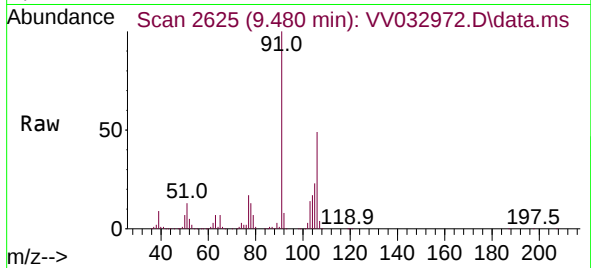




#54
o-Xylene
Concen: 5.300 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

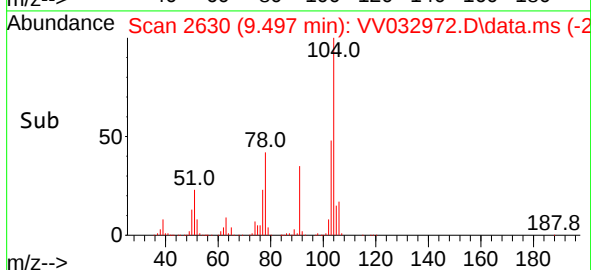
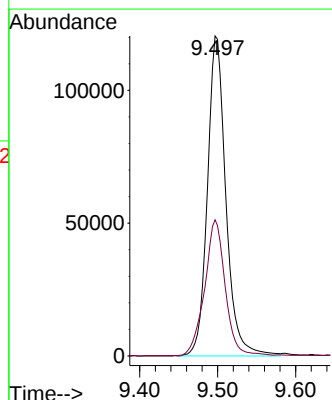
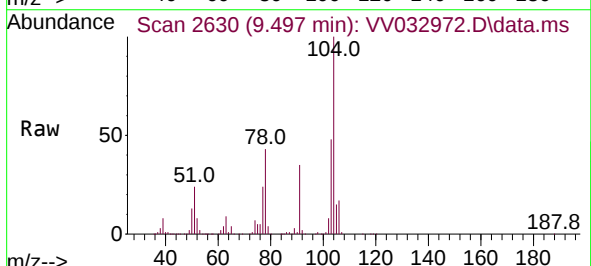
Instrument :
MSVOA_V
ClientSampleId :

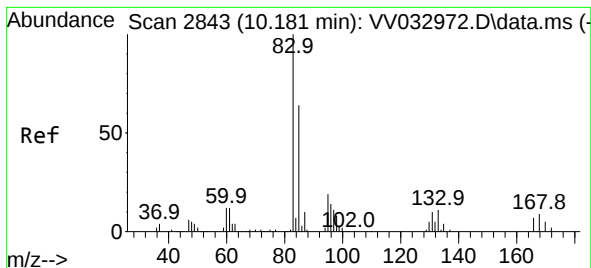
Tgt Ion:106 Resp: 112461
Ion Ratio Lower Upper
106 100
91 203.4 142.4 264.4



#55
Styrene
Concen: 5.448 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

Tgt Ion:104 Resp: 198827
Ion Ratio Lower Upper
104 100
78 42.6 29.8 55.4

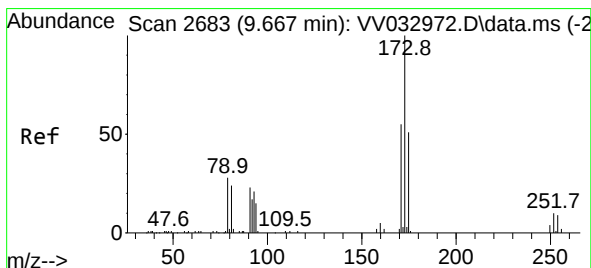
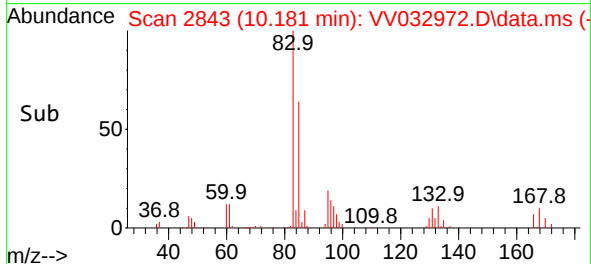
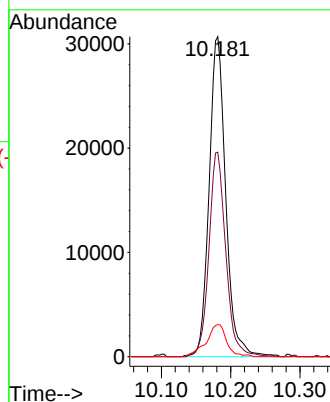
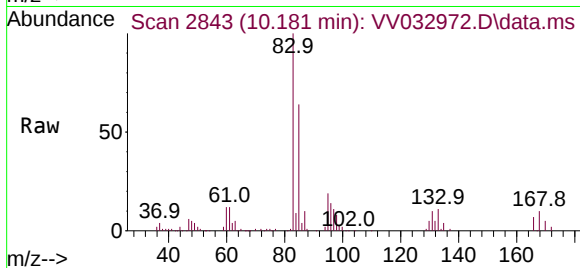




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.032 ug/L
 RT: 10.181 min Scan# 2843
 Delta R.T. 0.000 min
 Lab File: VV032972.D
 Acq: 16 Nov 2023 19:45

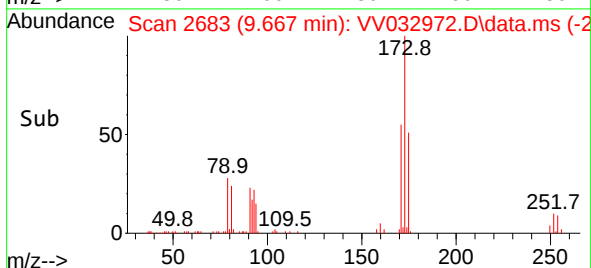
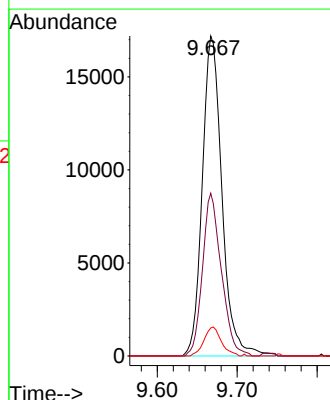
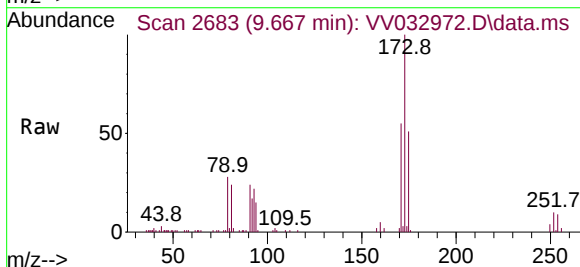
Instrument :
 MSVOA_V
 ClientSampleId :

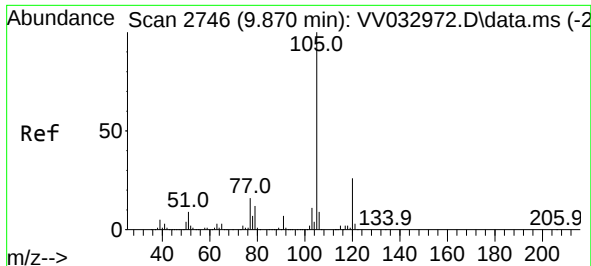
Tgt Ion: 83 Resp: 51040
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 83.1
 131 10.0 8.0 12.0



#59
 Bromoform
 Concen: 5.075 ug/L
 RT: 9.667 min Scan# 2683
 Delta R.T. 0.000 min
 Lab File: VV032972.D
 Acq: 16 Nov 2023 19:45

Tgt Ion: 173 Resp: 29472
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.0 58.4
 254 8.0 6.4 9.6

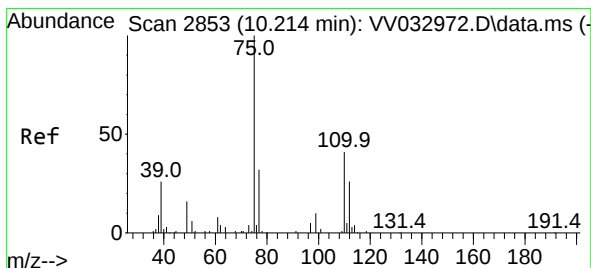
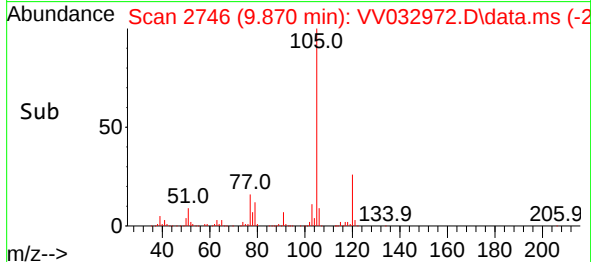
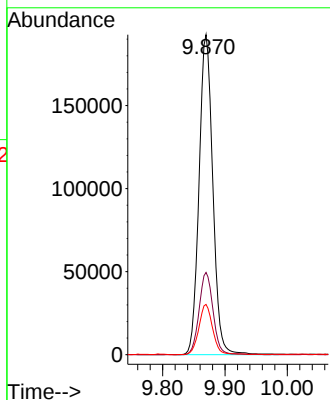
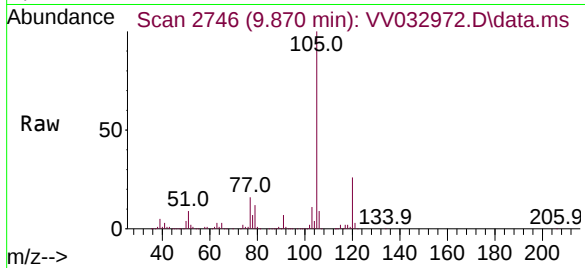




#60
Isopropylbenzene
Concen: 5.187 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

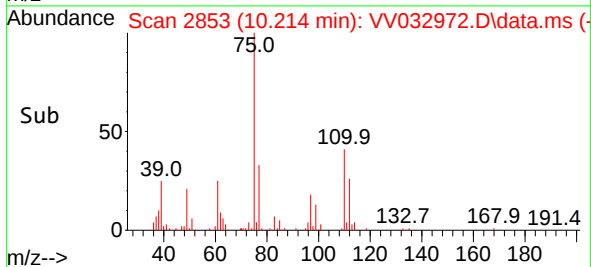
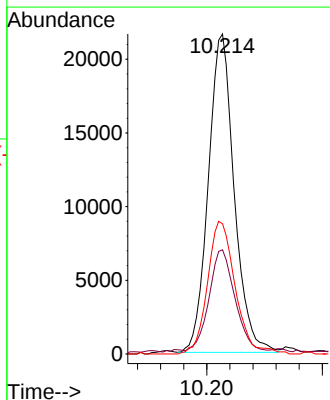
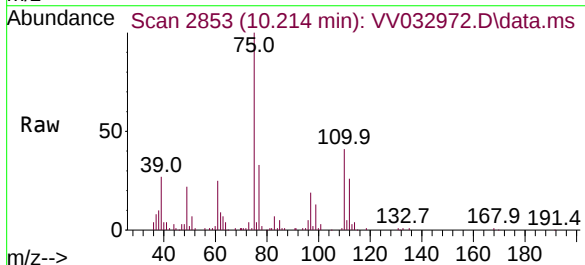
Instrument :
MSVOA_V
ClientSampleId :

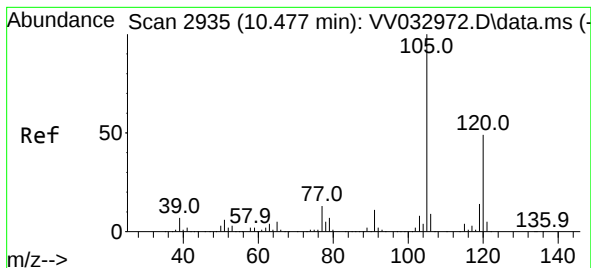
Tgt Ion:105 Resp: 295772
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0
77 15.8 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.003 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

Tgt Ion: 75 Resp: 33627
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.4
110 44.5 35.6 53.4





#62

1,3,5-Trimethylbenzene

Concen: 5.000 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

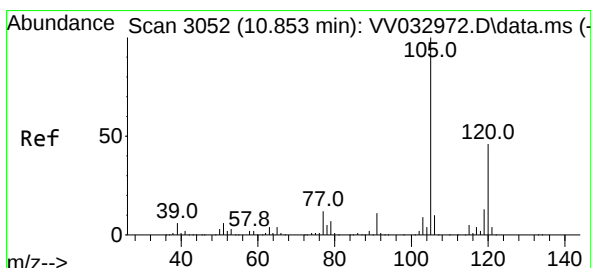
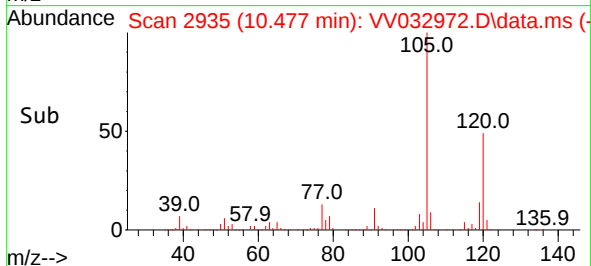
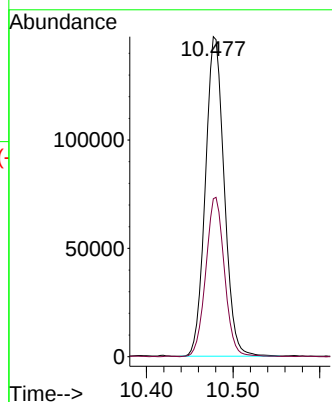
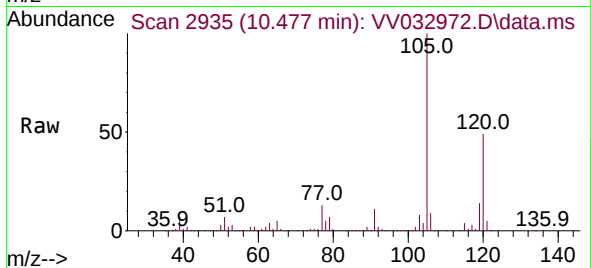
ClientSampleId :

Tgt Ion:105 Resp: 223455

Ion Ratio Lower Upper

105 100

120 49.6 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 5.219 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032972.D

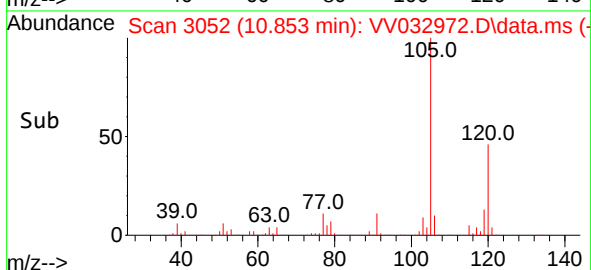
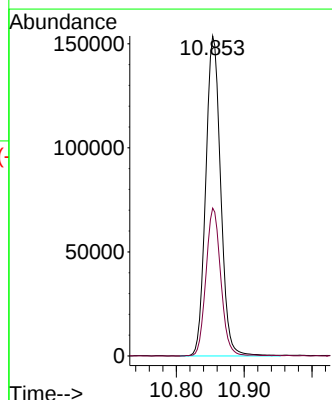
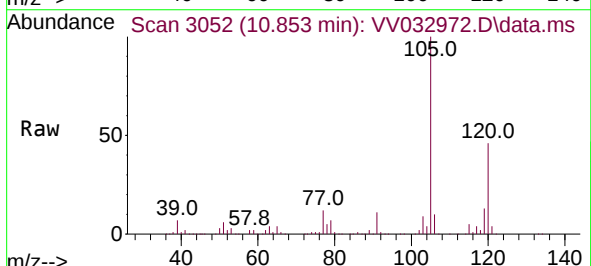
Acq: 16 Nov 2023 19:45

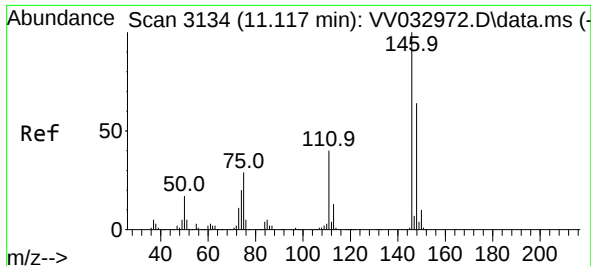
Tgt Ion:105 Resp: 235050

Ion Ratio Lower Upper

105 100

120 45.8 36.6 55.0

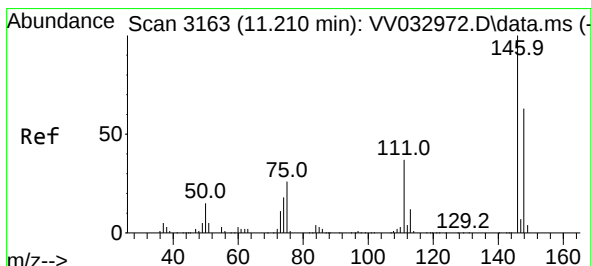
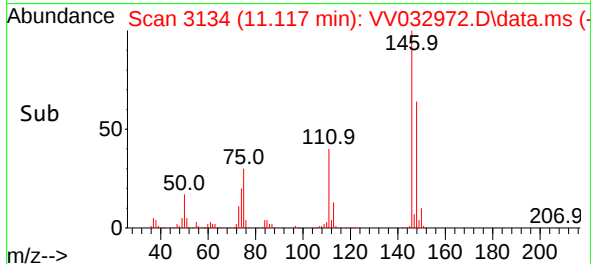
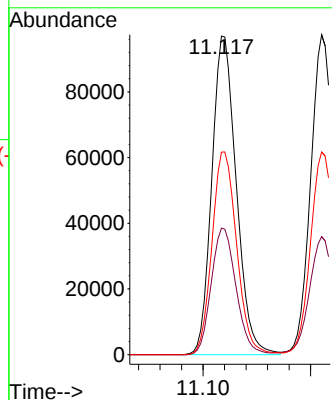
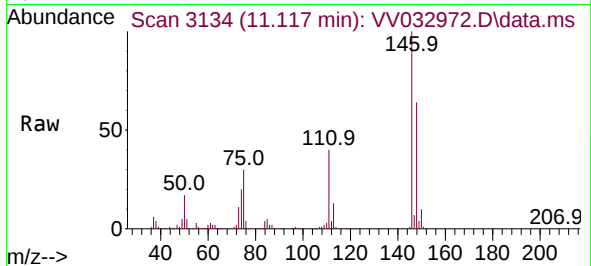




#64
1,3-Dichlorobenzene
Concen: 5.068 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

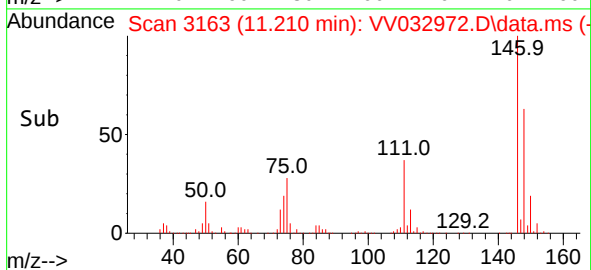
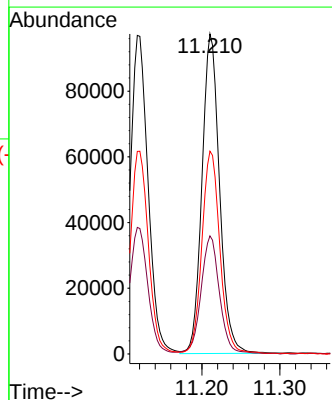
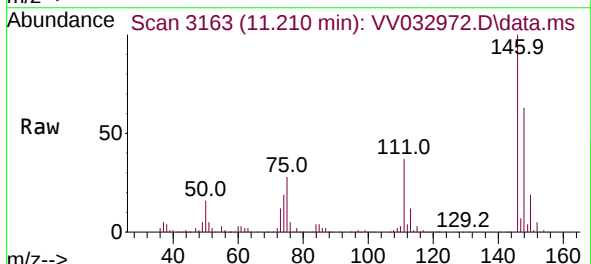
Instrument :
MSVOA_V
ClientSampleId :

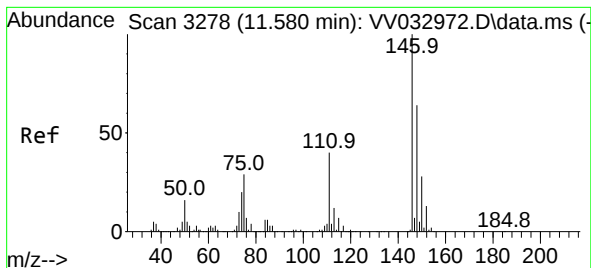
Tgt Ion:146 Resp: 153450
Ion Ratio Lower Upper
146 100
111 39.7 27.8 51.6
148 63.6 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.934 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032972.D
Acq: 16 Nov 2023 19:45

Tgt Ion:146 Resp: 152508
Ion Ratio Lower Upper
146 100
111 36.9 25.8 48.0
148 63.4 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 5.043 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

ClientSampleId :

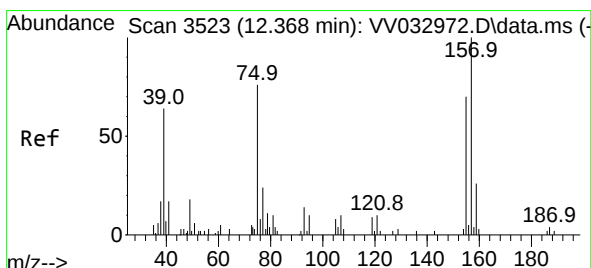
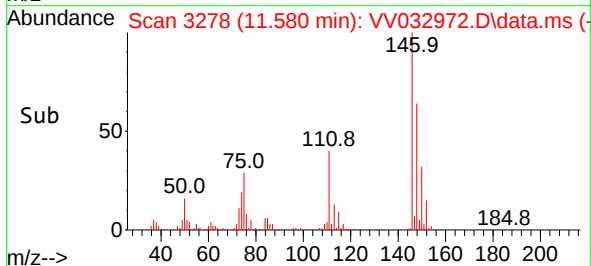
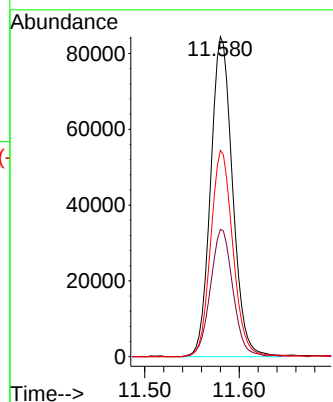
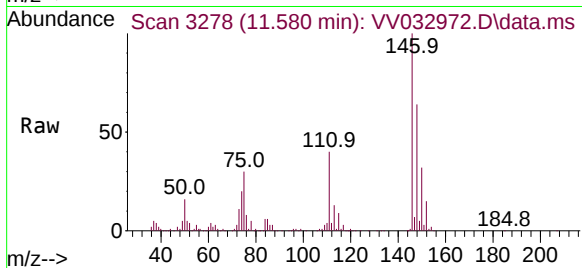
Tgt Ion:146 Resp: 136353

Ion Ratio Lower Upper

146 100

111 39.8 31.8 47.8

148 64.5 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.245 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

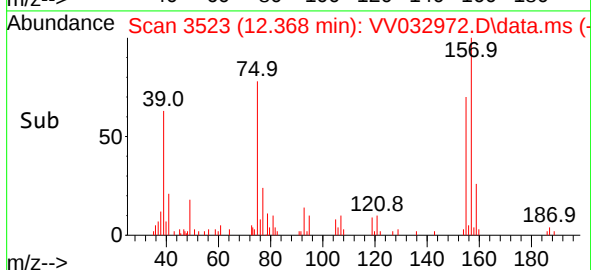
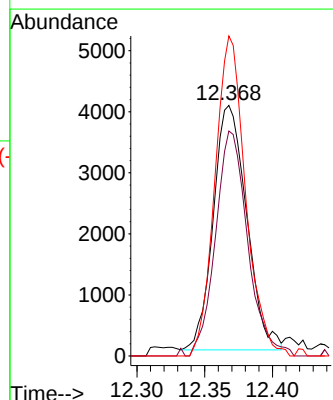
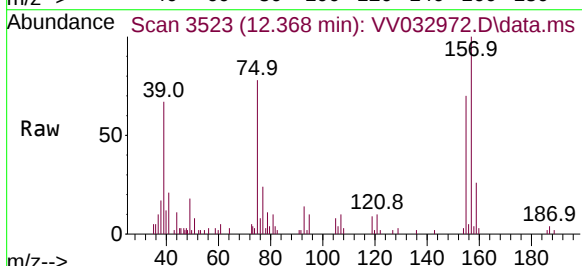
Tgt Ion: 75 Resp: 6840

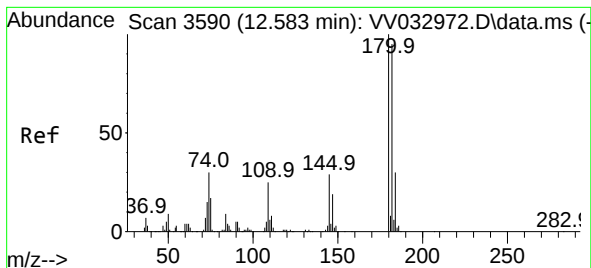
Ion Ratio Lower Upper

75 100

155 89.8 71.8 107.8

157 127.7 102.2 153.2





#69

1,3,5-Trichlorobenzene

Concen: 4.803 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

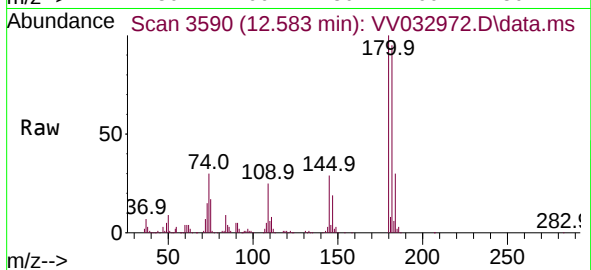
Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 107976

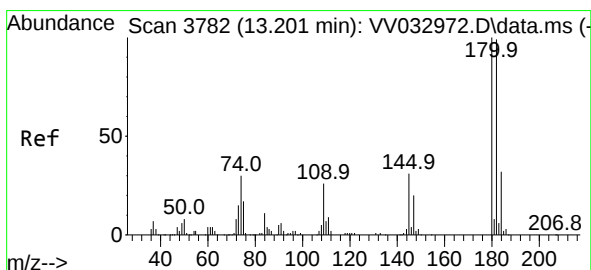
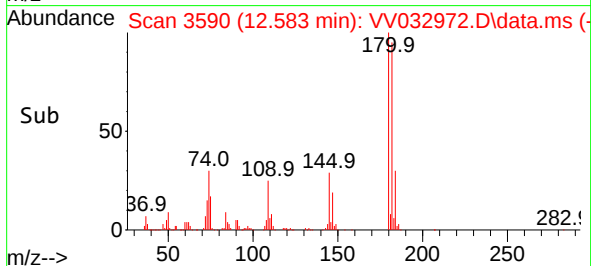
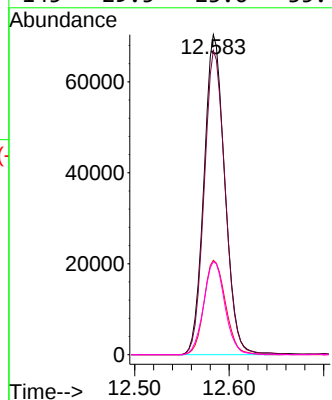
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

184 30.3 24.2 36.4

145 29.5 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 4.633 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

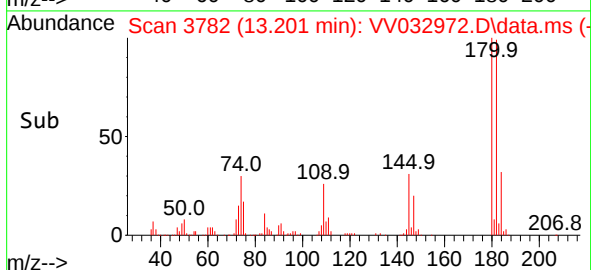
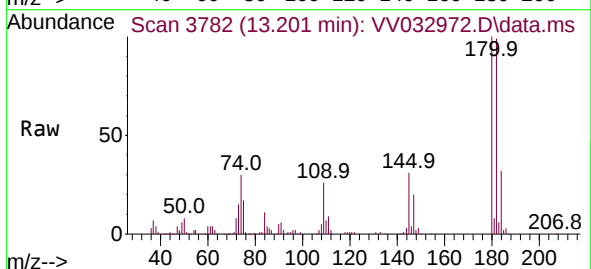
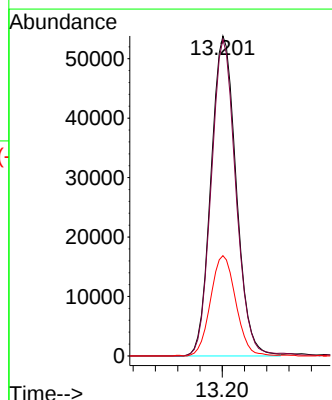
Tgt Ion:180 Resp: 84465

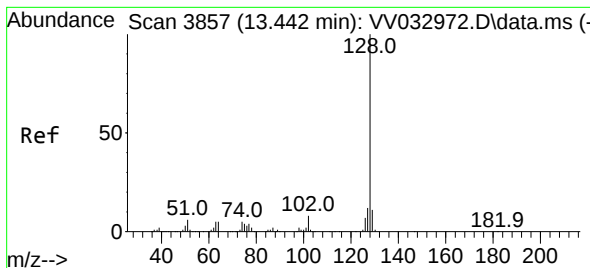
Ion Ratio Lower Upper

180 100

182 96.8 77.4 116.2

145 31.4 25.1 37.7





#71

Naphthalene

Concen: 4.594 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Instrument :

MSVOA_V

ClientSampleId :

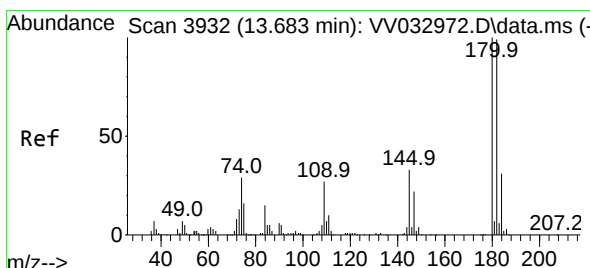
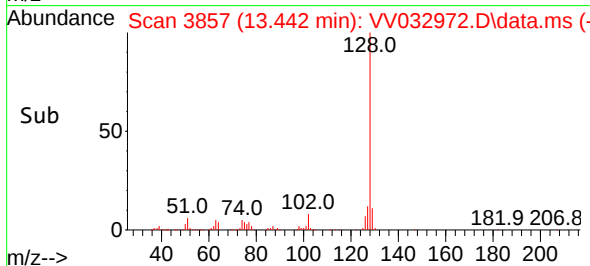
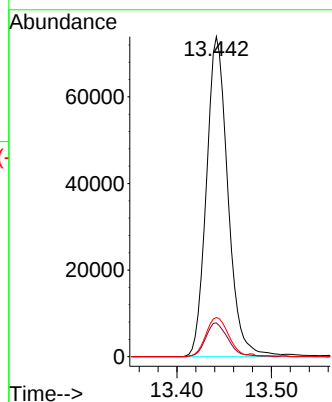
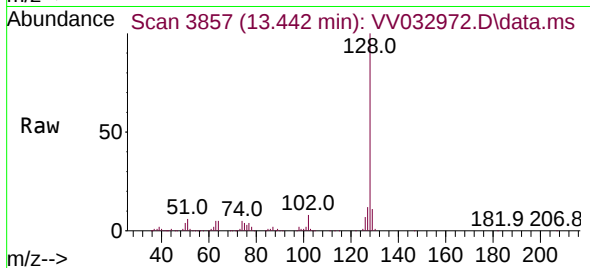
Tgt Ion:128 Resp: 116585

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 12.9 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 4.741 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032972.D

Acq: 16 Nov 2023 19:45

Tgt Ion:180 Resp: 75257

Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

145 33.7 27.0 40.4

