

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102723\
 Data File : VW032704.D
 Acq On : 27 Oct 2023 23:23
 Operator : SY/MD
 Sample : 05055-05MS
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4939MS

Quant Time: Oct 28 00:29:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 28 00:17:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	130985	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	152655	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	82587	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	51637	4.800	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.000%
7) Chloroethane-d5	1.532	69	47981	5.248	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.000%
11) 1,1-Dichloroethene-d2	2.060	65	22385	4.636	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.800%
20) 2-Butanone-d5	3.802	46	100807	43.394	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.780%
24) Chloroform-d	4.252	84	96042	5.377	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.600%
26) 1,2-Dichloroethane-d4	4.947	65	46193	5.238	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	4.963	84	183275	5.042	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
36) 1,2-Dichloropropane-d6	5.992	67	55082	5.234	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.600%
41) Toluene-d8	7.246	98	192819	5.234	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.600%
43) trans-1,3-Dichloroprop...	7.558	79	22046	4.747	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.000%
46) 2-Hexanone-d5	8.030	63	87442	47.510	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.020%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	45264	4.836	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	11.564	152	67418	4.999	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	71709	5.333	ug/L	100
3) Chloromethane	1.217	50	81615	5.145	ug/L	98
5) Vinyl chloride	1.285	62	79011	5.020	ug/L	99
6) Bromomethane	1.490	94	46457	5.057	ug/L	98
8) Chloroethane	1.552	64	56129	5.452	ug/L	96
9) Trichlorofluoromethane	1.716	101	112135	5.292	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	64251	5.141	ug/L	99
12) 1,1-Dichloroethene	2.072	96	58202	4.972	ug/L	88
13) Acetone	2.130	43	104153	45.416	ug/L	92
14) Carbon disulfide	2.243	76	188294	5.077	ug/L	99
15) Methyl Acetate	2.381	43	17376	3.784	ug/L	95
16) Methylene chloride	2.449	84	67851	4.709	ug/L	98
17) Methyl tert-butyl Ether	2.706	73	131804	5.215	ug/L	99
18) trans-1,2-Dichloroethene	2.696	96	62054	5.360	ug/L	96
19) 1,1-Dichloroethane	3.114	63	108800	5.301	ug/L	97
21) 2-Butanone	3.879	43	141863	46.790	ug/L	82
22) cis-1,2-Dichloroethene	3.815	96	64548	5.500	ug/L	95
23) Bromochloromethane	4.153	128	29842	5.466	ug/L	97
25) Chloroform	4.278	83	124692	5.588	ug/L	100

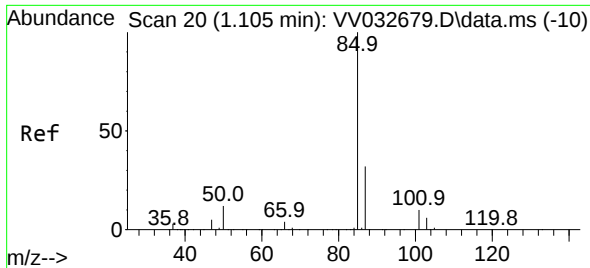
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 28 00:17:24 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	74004	5.336	ug/L	96
29) 1,1,1-Trichloroethane	4.516	97	100926	5.125	ug/L	99
30) Cyclohexane	4.584	56	81398	4.905	ug/L	98
31) Carbon tetrachloride	4.738	117	90432	5.279	ug/L	99
33) Benzene	5.011	78	250849	5.213	ug/L	100
34) Trichloroethene	5.834	95	63625	4.949	ug/L	96
35) Methylcyclohexane	6.053	83	97152	5.058	ug/L	98
37) 1,2-Dichloropropane	6.095	63	64893	5.589	ug/L	97
38) Bromodichloromethane	6.436	83	82514	4.810	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	88897	5.029	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	401031	53.529	ug/L	100
42) Toluene	7.317	91	308780	5.523	ug/L	98
44) trans-1,3-Dichloropropene	7.583	75	79644	5.236	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	51225	5.224	ug/L	98
47) Tetrachloroethene	7.908	164	59104	5.203	ug/L	96
48) 2-Hexanone	8.079	43	291568	53.210	ug/L	98
49) Dibromochloromethane	8.178	129	60370	5.190	ug/L	96
50) 1,2-Dibromoethane	8.284	107	48236	5.271	ug/L	99
51) Chlorobenzene	8.815	112	189998	5.144	ug/L	99
52) Ethylbenzene	8.947	91	310336	5.280	ug/L	99
53) m,p-Xylene	9.075	106	120142	5.399	ug/L	96
54) o-Xylene	9.481	106	115915	5.370	ug/L	96
55) Styrene	9.500	104	198179	5.541	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	59266	5.181	ug/L	98
59) Bromoform	9.670	173	32001	4.939	ug/L	100
60) Isopropylbenzene	9.870	105	290381	5.181	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	42075	4.817	ug/L	96
62) 1,3,5-Trimethylbenzene	10.477	105	229828	5.016	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	232657	5.139	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	152122	5.058	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	151776	5.084	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	143209	5.178	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.368	75	8607	4.123	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	104513	4.869	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	84660	4.648	ug/L	99
71) Naphthalene	13.442	128	122876	4.256	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	78188	4.882	ug/L	99

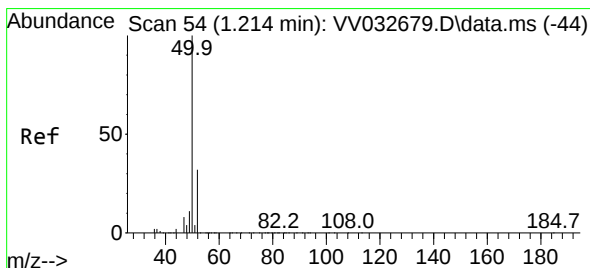
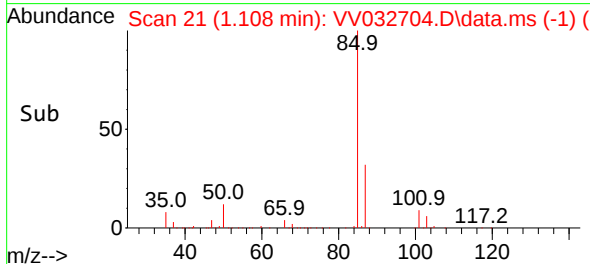
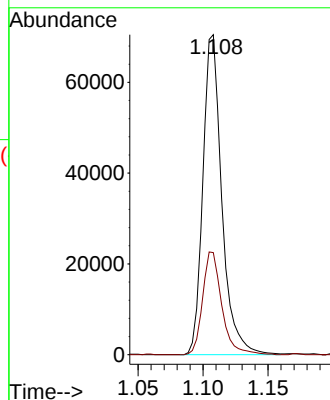
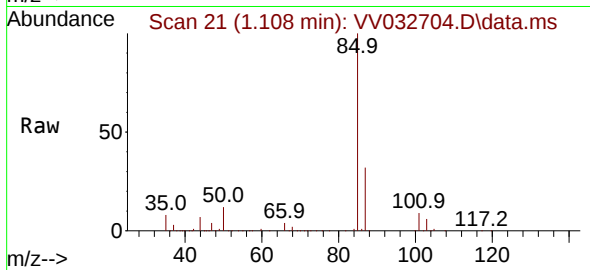
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.333 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

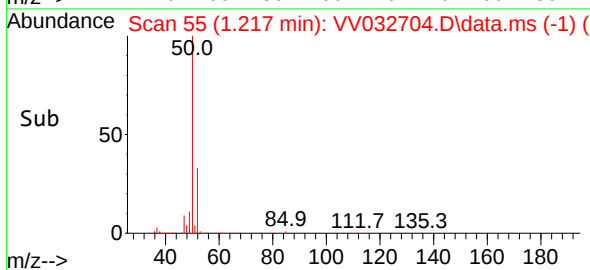
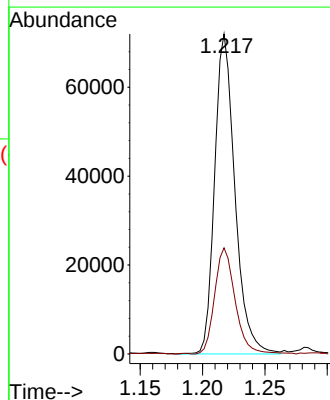
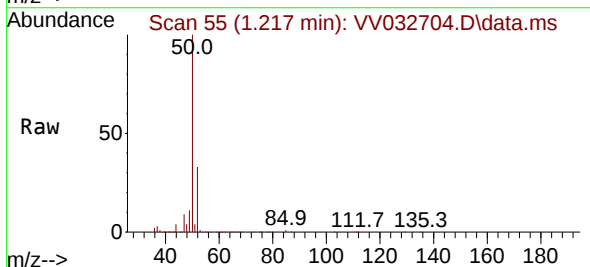
Instrument :
MSVOA_V
ClientSampleId :
A4939MS

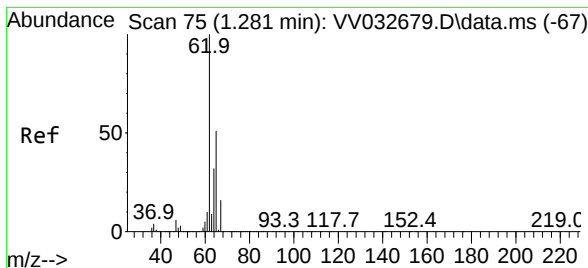
Tgt Ion: 85 Resp: 71709
Ion Ratio Lower Upper
85 100
87 32.5 25.9 38.9



#3
Chloromethane
Concen: 5.145 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.003 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

Tgt Ion: 50 Resp: 81615
Ion Ratio Lower Upper
50 100
52 33.2 22.3 41.5

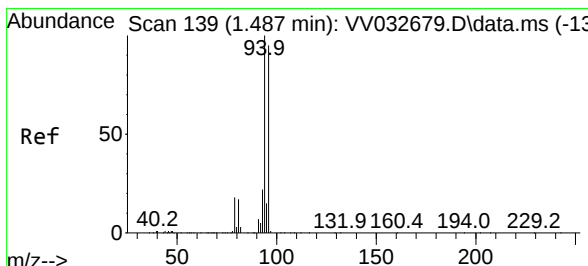
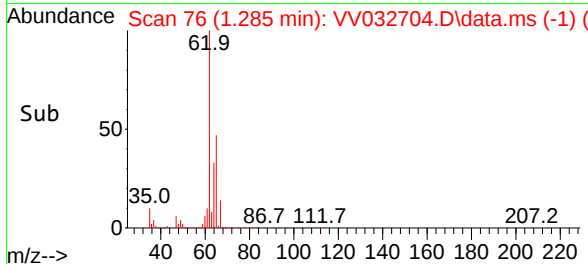
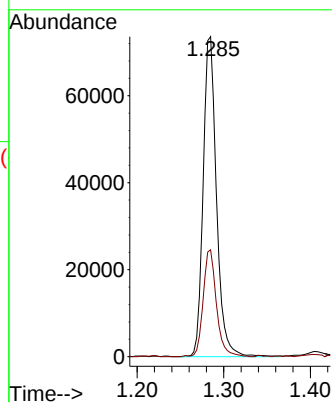
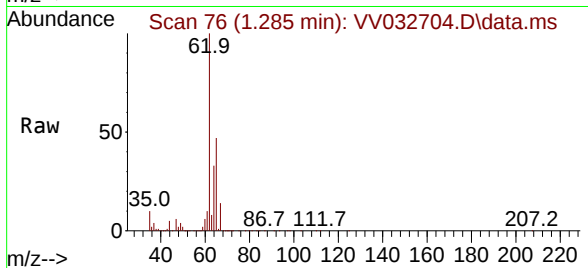




#5
 Vinyl chloride
 Concen: 5.020 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.003 min
 Lab File: VV032704.D
 Acq: 27 Oct 2023 23:23

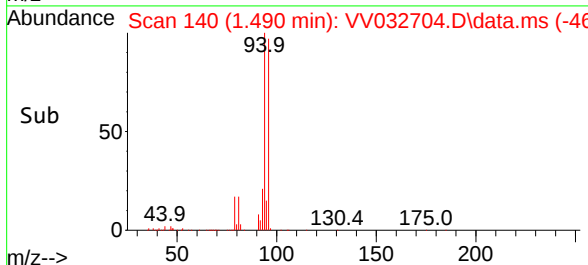
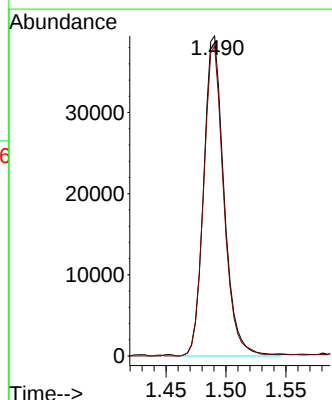
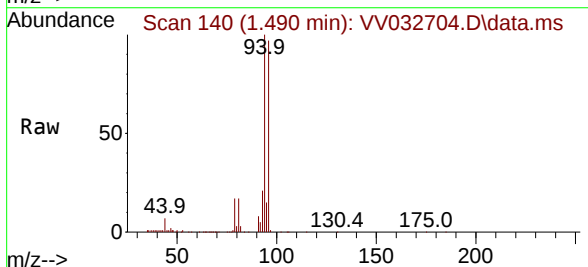
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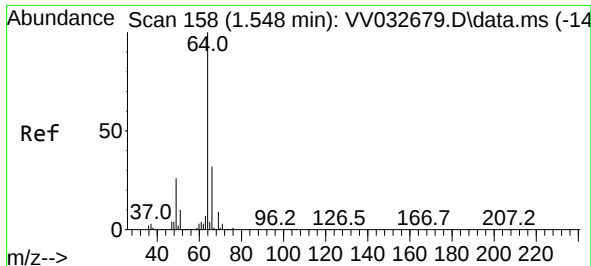
Tgt Ion: 62 Resp: 79011
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.2 43.0



#6
 Bromomethane
 Concen: 5.057 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV032704.D
 Acq: 27 Oct 2023 23:23

Tgt Ion: 94 Resp: 46457
 Ion Ratio Lower Upper
 94 100
 96 96.8 66.4 123.2

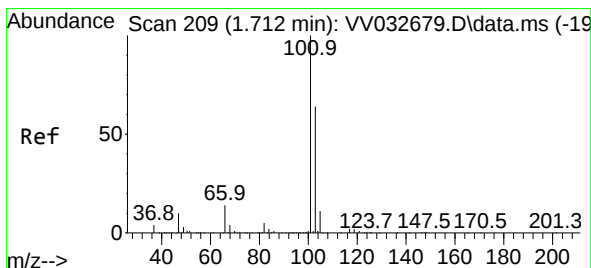
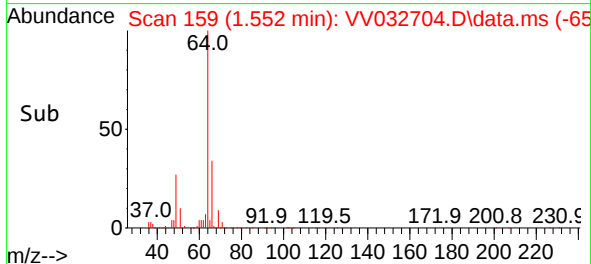
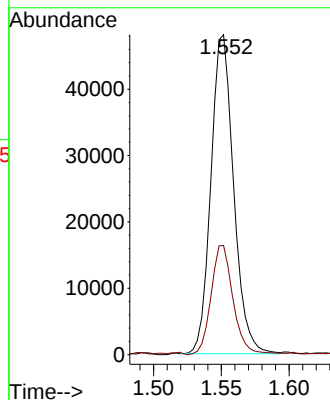
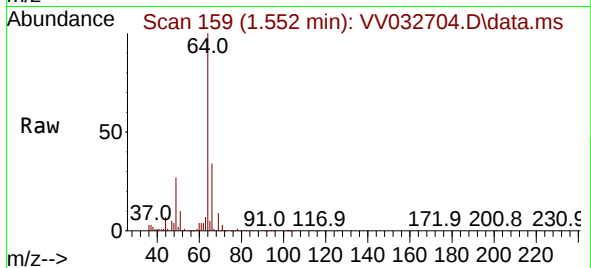




#8
Chloroethane
Concen: 5.452 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

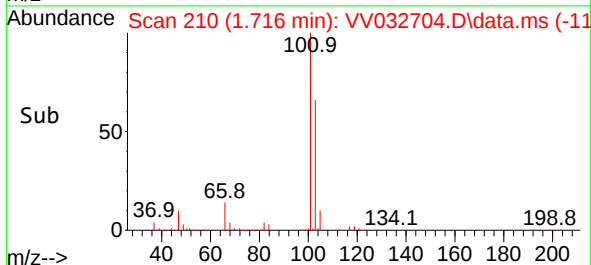
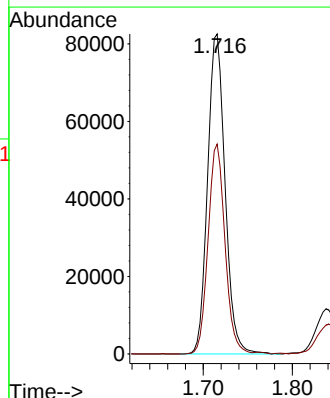
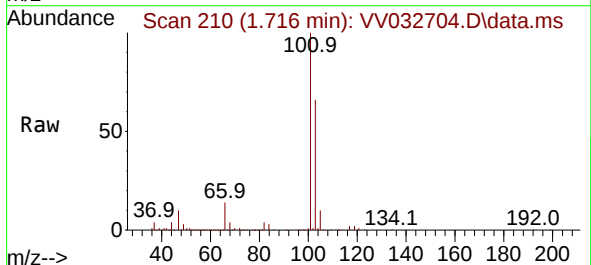
Instrument :
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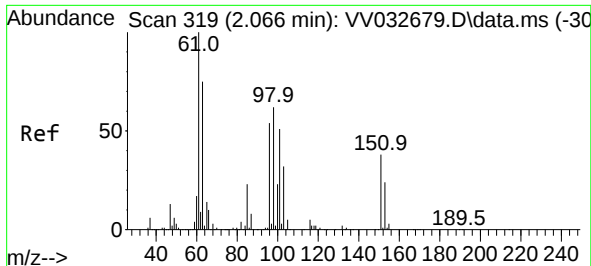
Tgt Ion: 64 Resp: 56129
Ion Ratio Lower Upper
64 100
66 34.2 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.292 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

Tgt Ion: 101 Resp: 112135
Ion Ratio Lower Upper
101 100
103 63.4 52.1 78.1

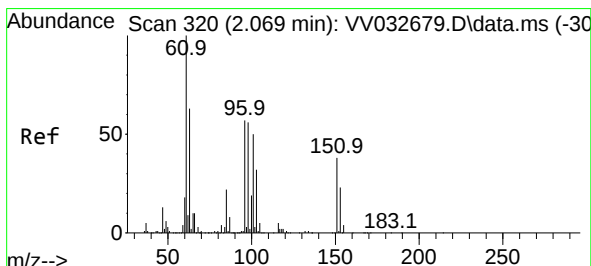
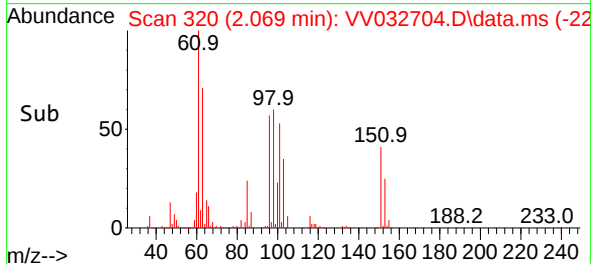
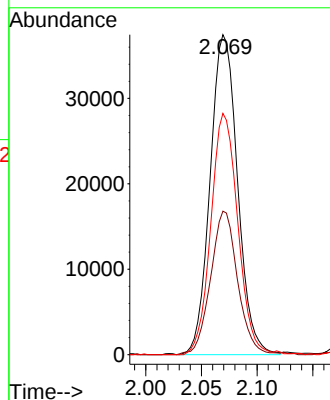
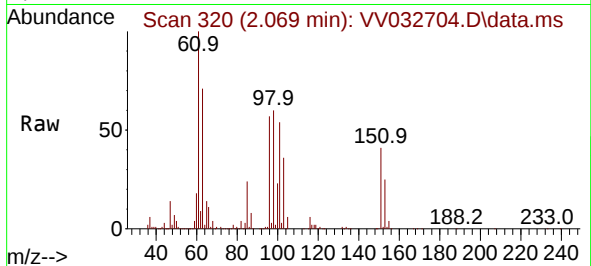




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.141 ug/L
RT: 2.069 min Scan# 319
Delta R.T. 0.003 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

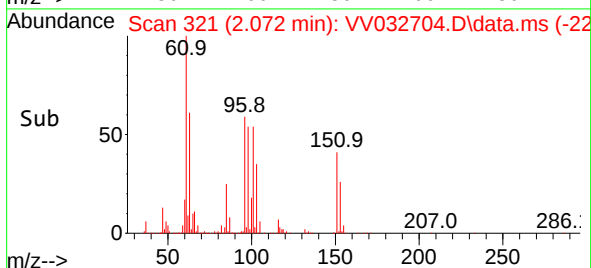
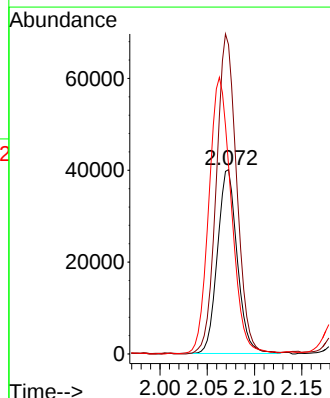
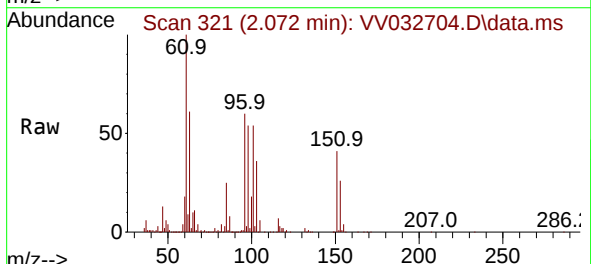
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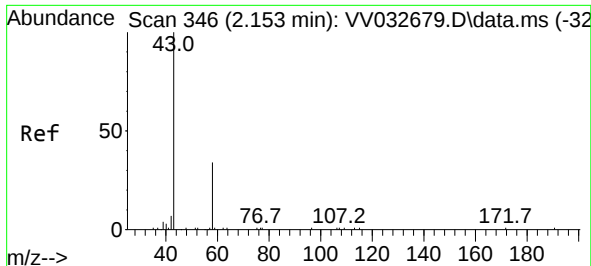
Tgt Ion:101 Resp: 64251
Ion Ratio Lower Upper
101 100
85 44.1 36.2 54.4
151 74.2 59.0 88.6



#12
1,1-Dichloroethene
Concen: 4.972 ug/L
RT: 2.072 min Scan# 321
Delta R.T. 0.003 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

Tgt Ion: 96 Resp: 58202
Ion Ratio Lower Upper
96 100
61 167.8 122.3 227.1
63 102.5 89.4 166.0





#13

Acetone

Concen: 45.416 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.022 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

Instrument :

MSVOA_V

ClientSampleId :

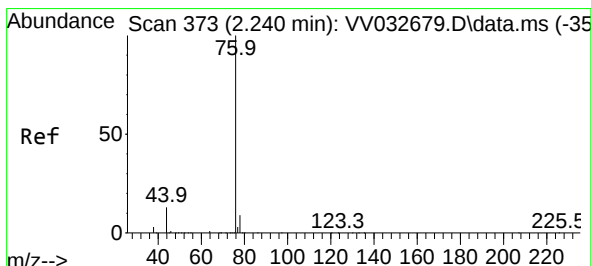
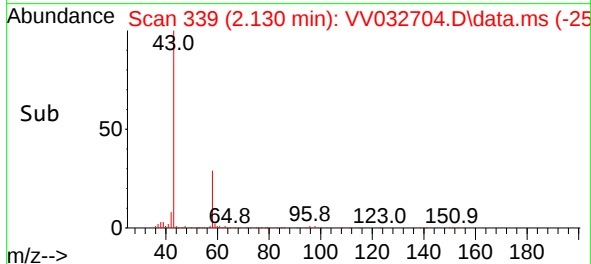
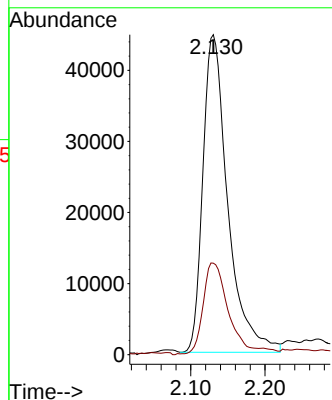
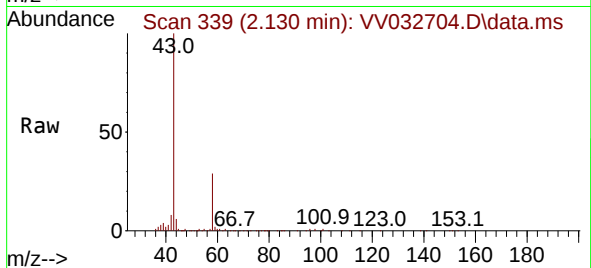
A4939MS

Tgt Ion: 43 Resp: 104153

Ion Ratio Lower Upper

43 100

58 29.1 0.0 50.6



#14

Carbon disulfide

Concen: 5.077 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV032704.D

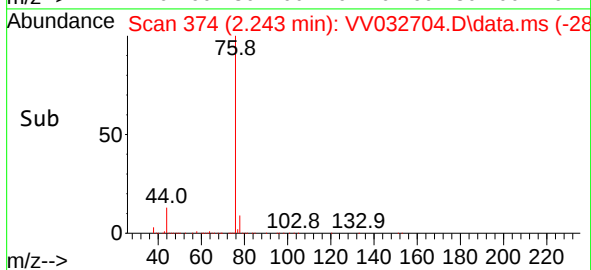
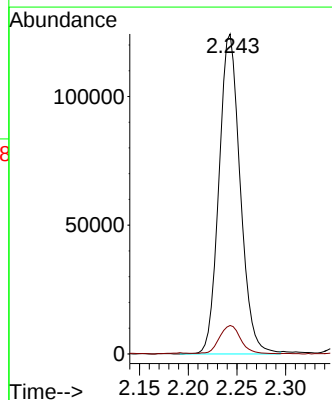
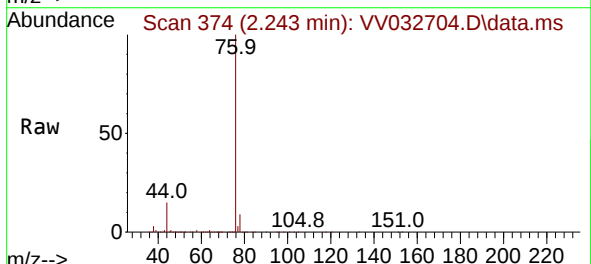
Acq: 27 Oct 2023 23:23

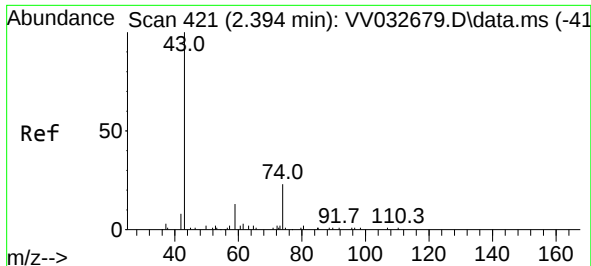
Tgt Ion: 76 Resp: 188294

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

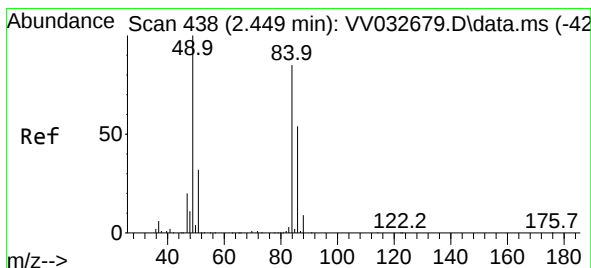
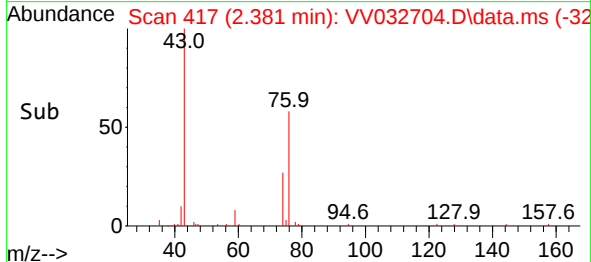
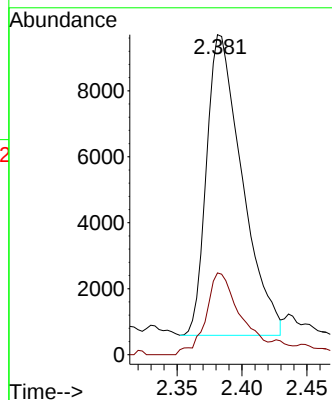
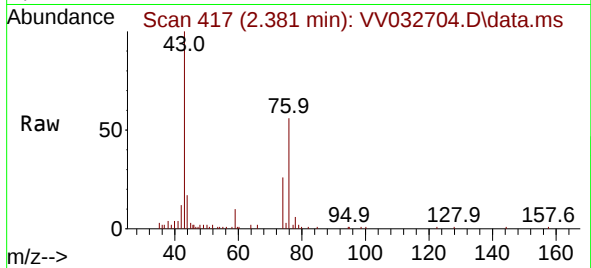




#15
Methyl Acetate
Concen: 3.784 ug/L
RT: 2.381 min Scan# 417
Delta R.T. -0.013 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

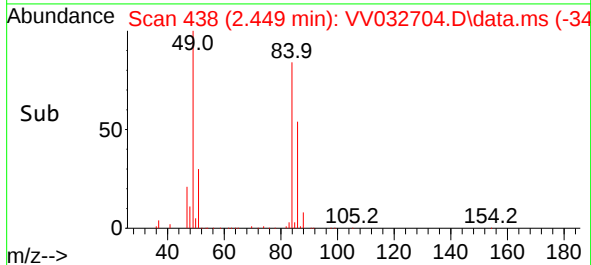
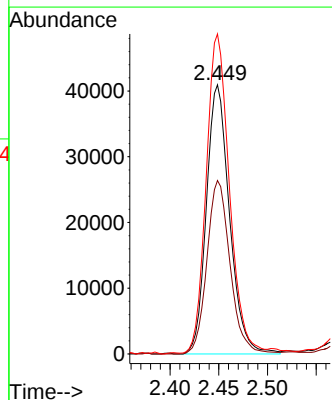
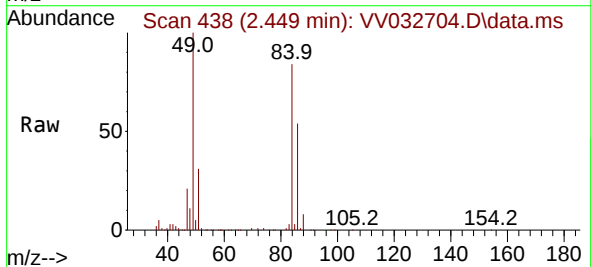
Instrument :
MSVOA_V
ClientSampleId :
A4939MS

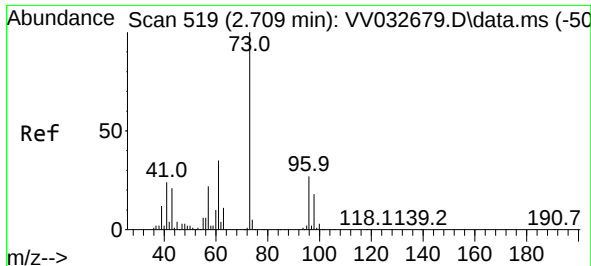
Tgt Ion: 43 Resp: 17376
Ion Ratio Lower Upper
43 100
74 26.3 23.1 34.7



#16
Methylene chloride
Concen: 4.709 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

Tgt Ion: 84 Resp: 67851
Ion Ratio Lower Upper
84 100
86 64.4 44.8 83.2
49 118.9 81.1 150.5

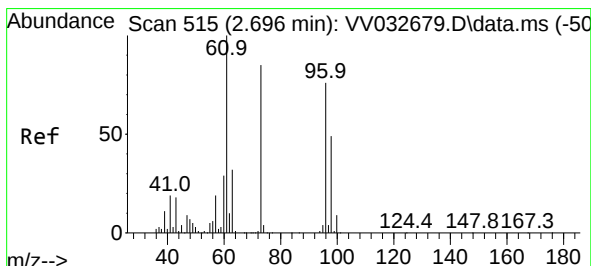
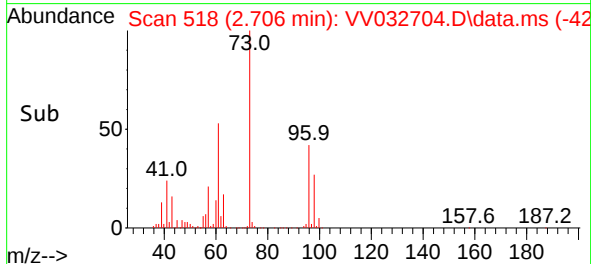
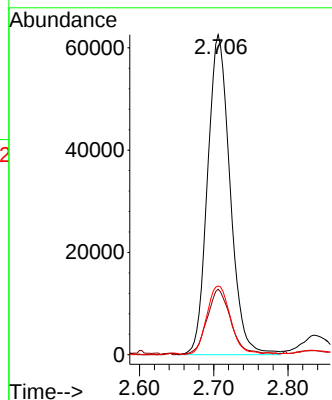
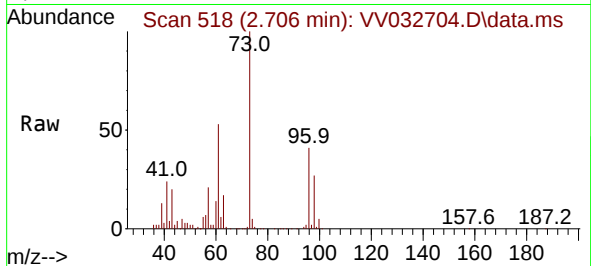




#17
Methyl tert-butyl Ether
Concen: 5.215 ug/L
RT: 2.706 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

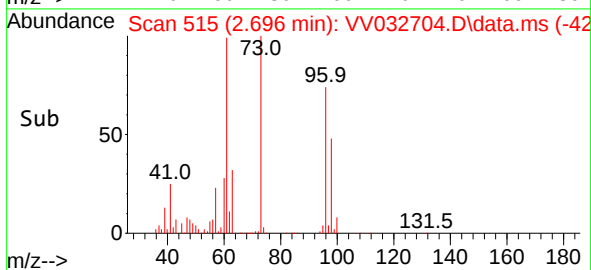
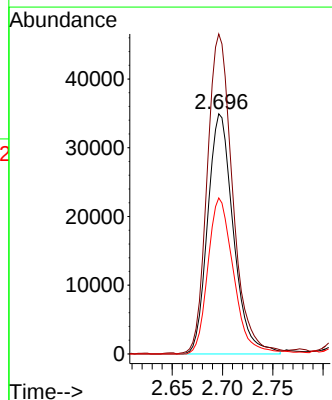
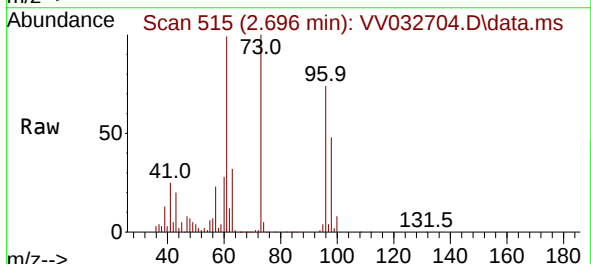
Instrument :
MSVOA_V
ClientSampleId :
A4939MS

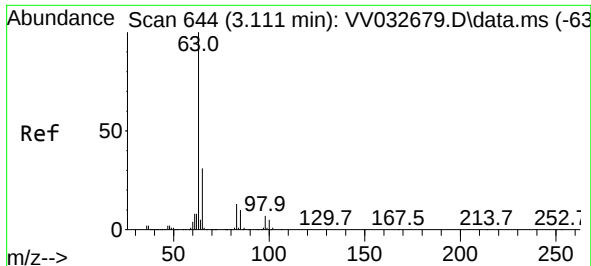
Tgt Ion: 73 Resp: 131804
Ion Ratio Lower Upper
73 100
43 22.0 16.6 24.8
57 22.6 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 5.360 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

Tgt Ion: 96 Resp: 62054
Ion Ratio Lower Upper
96 100
61 133.2 88.7 164.7
98 65.0 44.4 82.4





#19

1,1-Dichloroethane

Concen: 5.301 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

Instrument :

MSVOA_V

ClientSampleId :

A4939MS

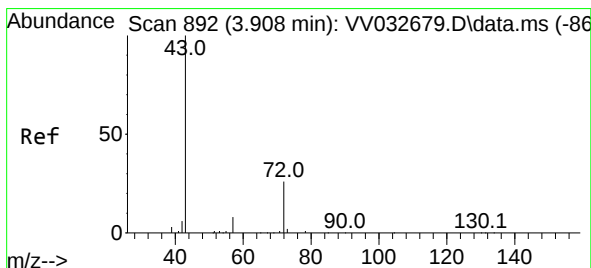
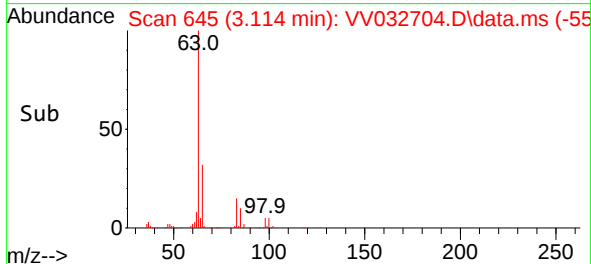
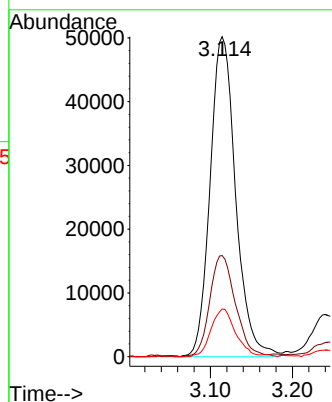
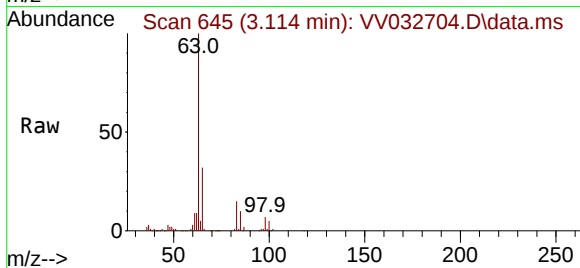
Tgt Ion: 63 Resp: 108800

Ion Ratio Lower Upper

63 100

65 31.6 21.5 39.9

83 14.9 9.2 17.0



#21

2-Butanone

Concen: 46.790 ug/L

RT: 3.879 min Scan# 883

Delta R.T. -0.029 min

Lab File: VV032704.D

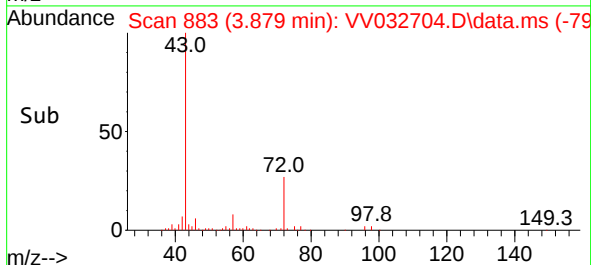
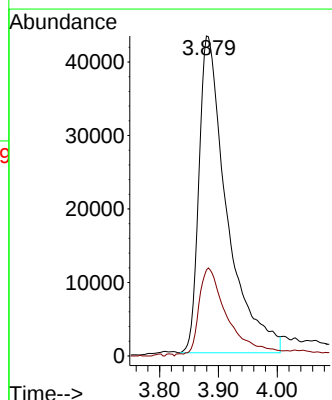
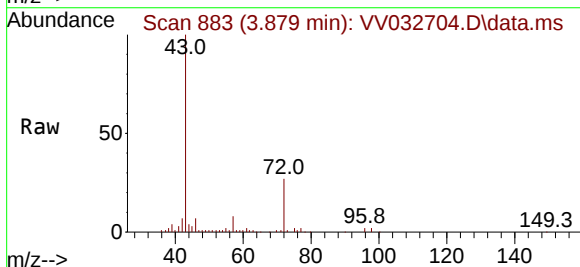
Acq: 27 Oct 2023 23:23

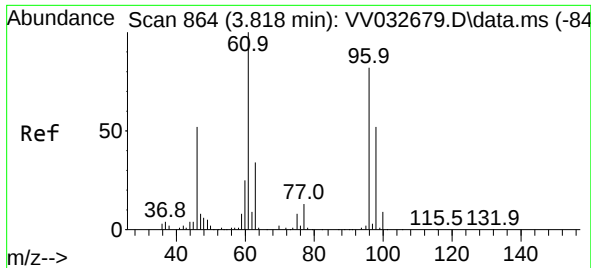
Tgt Ion: 43 Resp: 141863

Ion Ratio Lower Upper

43 100

72 29.2 10.4 31.2

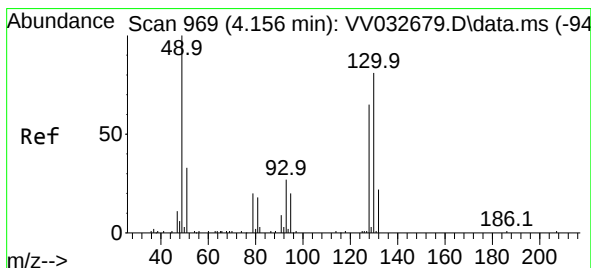
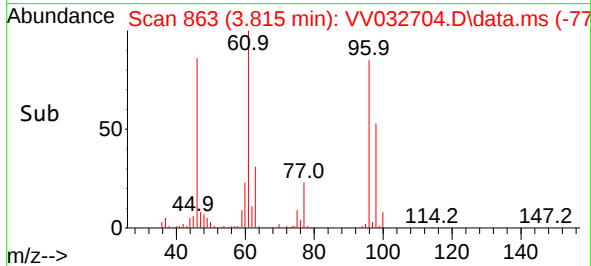
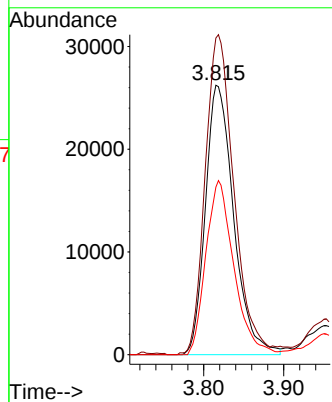
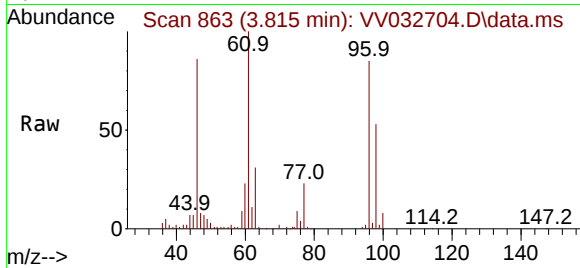




#22
 cis-1,2-Dichloroethene
 Concen: 5.500 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. -0.003 min
 Lab File: VV032704.D
 Acq: 27 Oct 2023 23:23

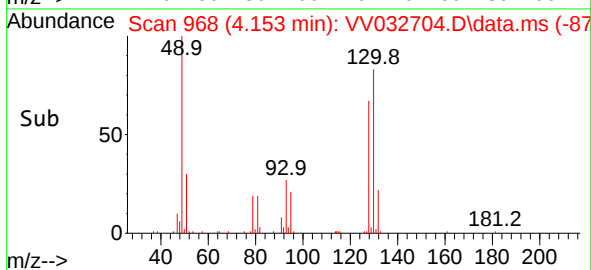
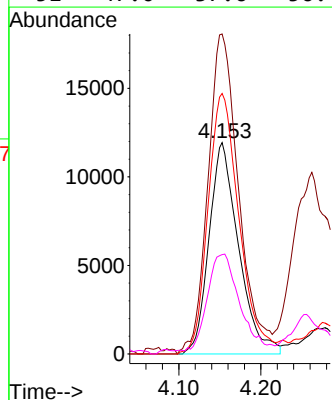
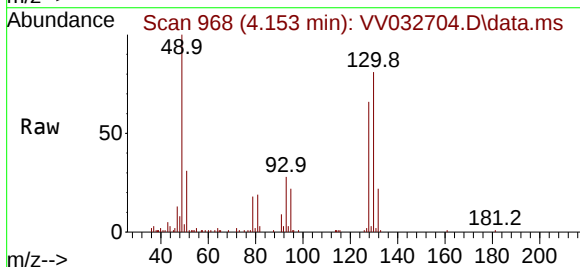
Instrument :
 MSVOA_V
 ClientSampleId :
 A4939MS

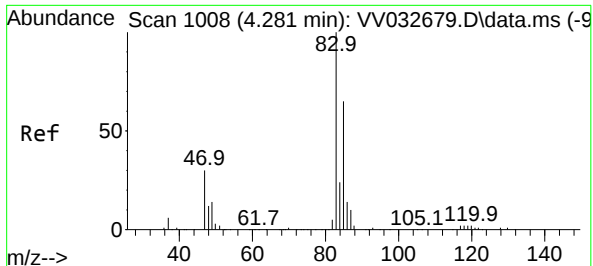
Tgt Ion: 96 Resp: 64548
 Ion Ratio Lower Upper
 96 100
 61 117.5 87.7 162.9
 98 62.2 45.0 83.6



#23
 Bromochloromethane
 Concen: 5.466 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.003 min
 Lab File: VV032704.D
 Acq: 27 Oct 2023 23:23

Tgt Ion: 128 Resp: 29842
 Ion Ratio Lower Upper
 128 100
 49 151.4 110.4 205.0
 130 123.3 86.8 161.2
 51 47.0 37.6 56.4





#25

Chloroform

Concen: 5.588 ug/L

RT: 4.278 min Scan# 1008

Delta R.T. -0.003 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

Instrument :

MSVOA_V

ClientSampleId :

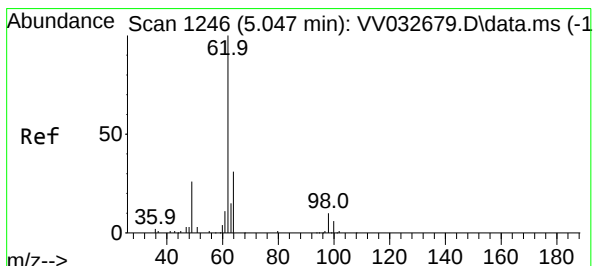
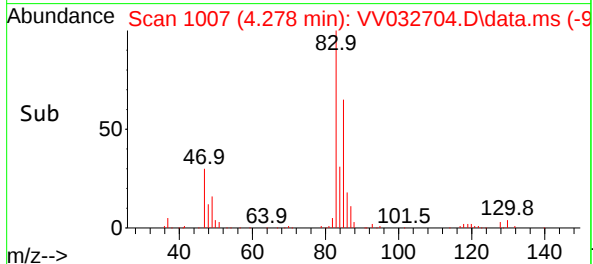
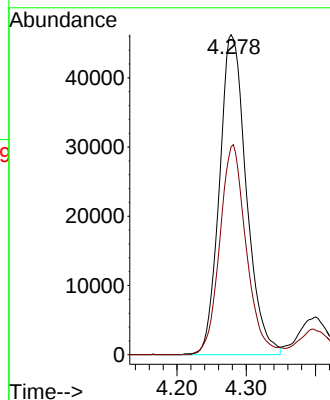
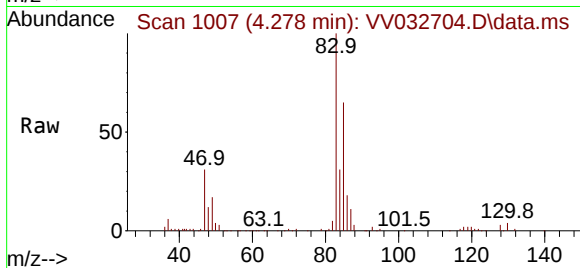
A4939MS

Tgt Ion: 83 Resp: 124692

Ion Ratio Lower Upper

83 100

85 65.0 45.7 84.9



#27

1,2-Dichloroethane

Concen: 5.336 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV032704.D

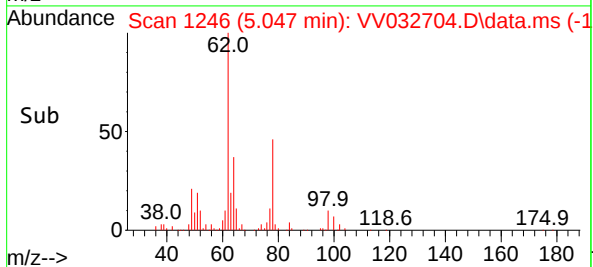
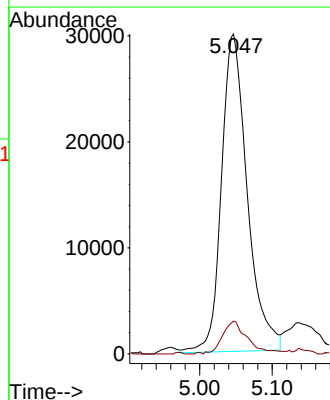
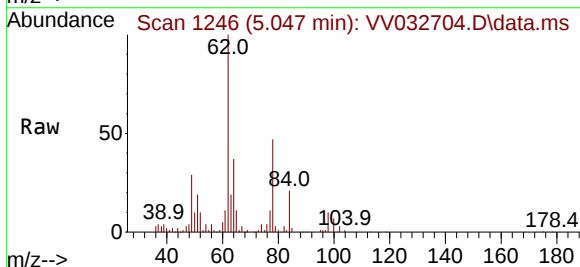
Acq: 27 Oct 2023 23:23

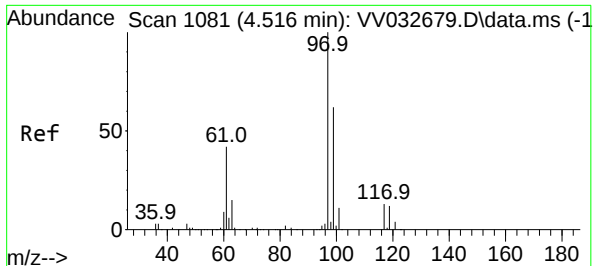
Tgt Ion: 62 Resp: 74004

Ion Ratio Lower Upper

62 100

98 10.3 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 5.125 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

Instrument :

MSVOA_V

ClientSampleId :

A4939MS

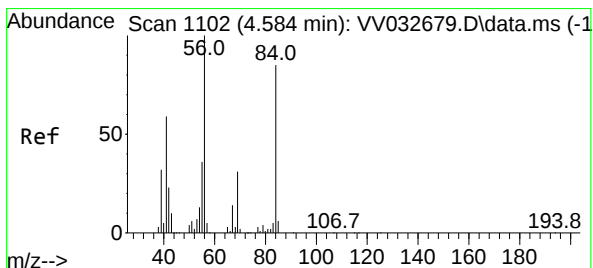
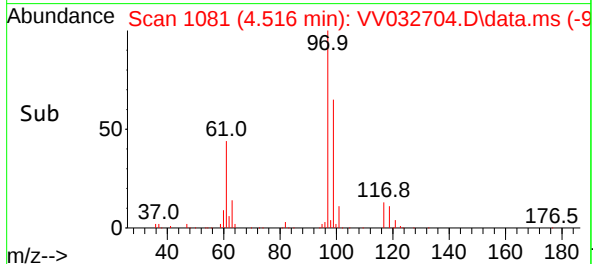
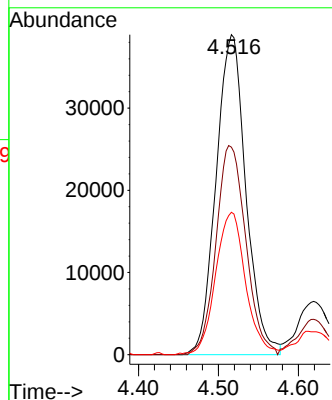
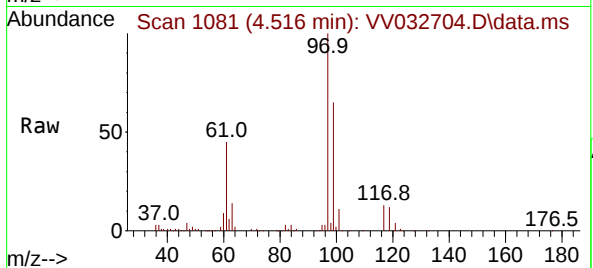
Tgt Ion: 97 Resp: 100926

Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.0

61 44.8 36.1 54.1



#30

Cyclohexane

Concen: 4.905 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

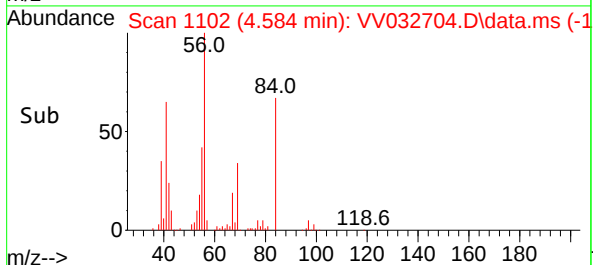
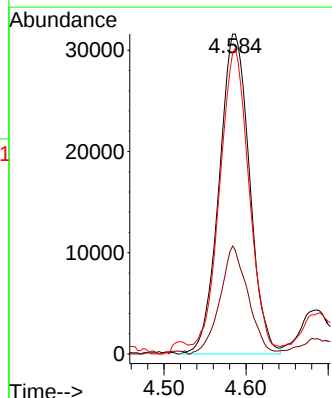
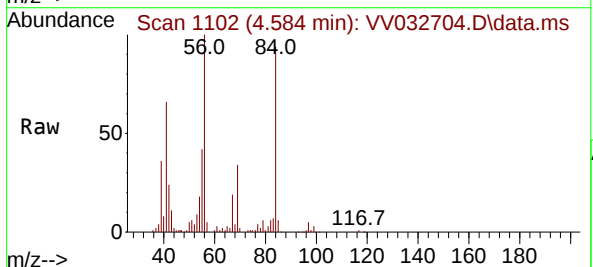
Tgt Ion: 56 Resp: 81398

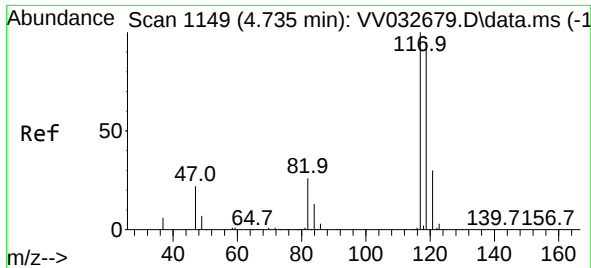
Ion Ratio Lower Upper

56 100

69 31.1 25.0 37.6

84 93.0 72.9 109.3

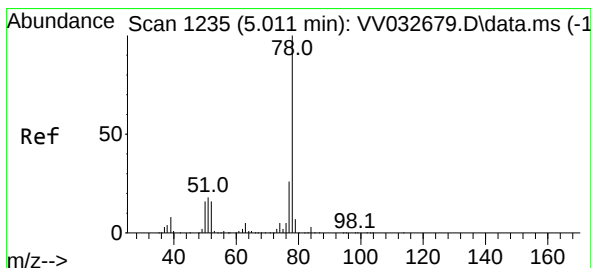
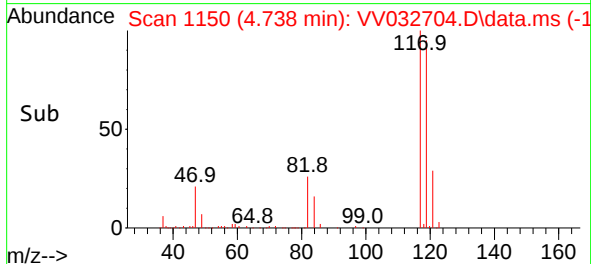
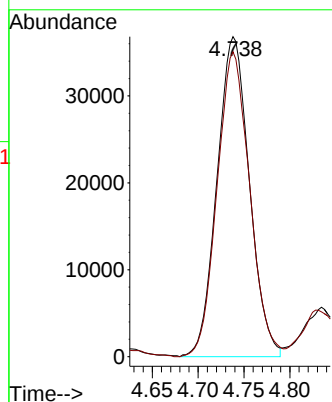
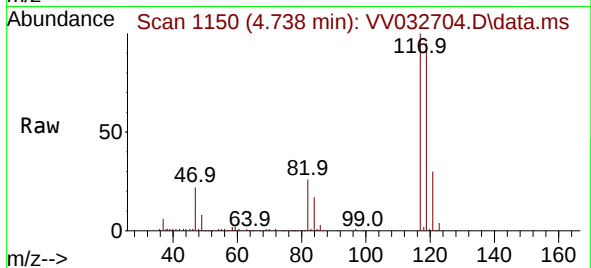




#31
Carbon tetrachloride
Concen: 5.279 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

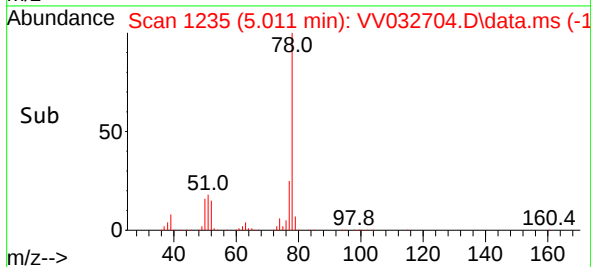
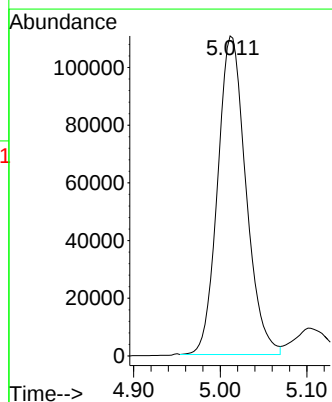
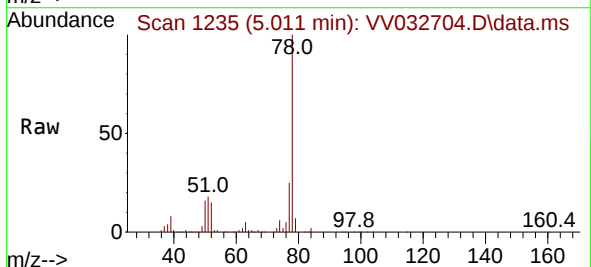
Instrument :
MSVOA_V
ClientSampleId :
A4939MS

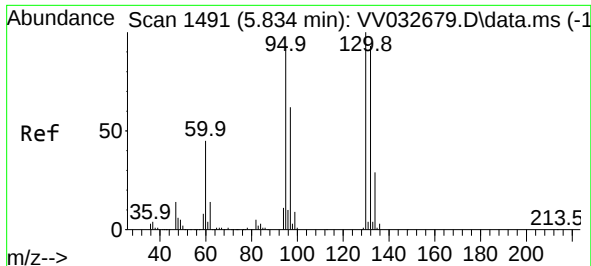
Tgt Ion:117 Resp: 90432
Ion Ratio Lower Upper
117 100
119 95.9 77.8 116.6



#33
Benzene
Concen: 5.213 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

Tgt Ion: 78 Resp: 250849





#34

Trichloroethene

Concen: 4.949 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

Instrument :

MSVOA_V

ClientSampleId :

A4939MS

Tgt Ion: 95 Resp: 63625

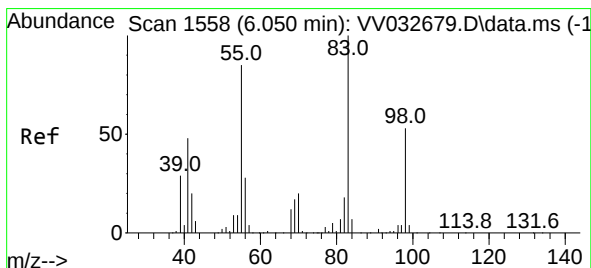
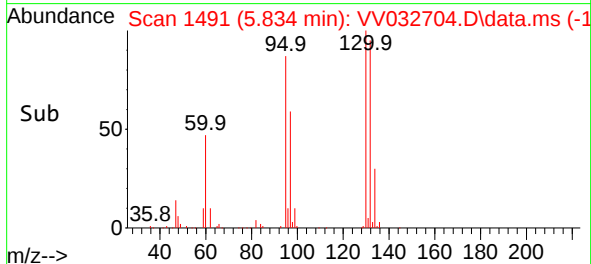
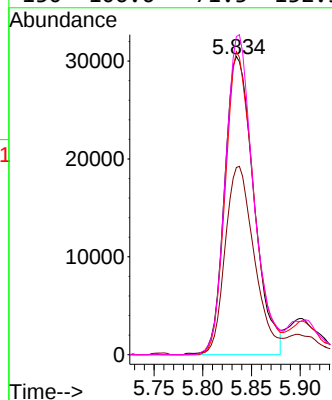
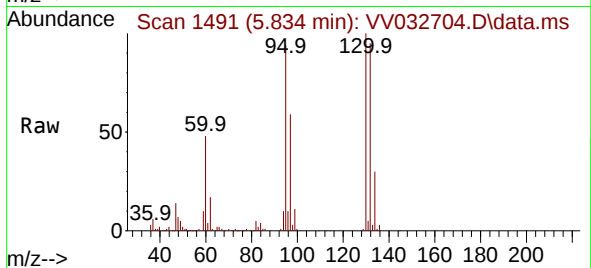
Ion Ratio Lower Upper

95 100

97 62.8 44.0 81.8

132 101.6 66.9 124.3

130 106.6 71.3 132.3



#35

Methylcyclohexane

Concen: 5.058 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

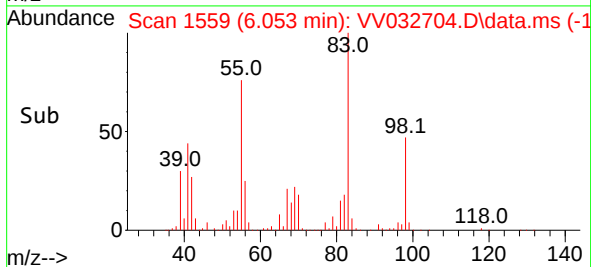
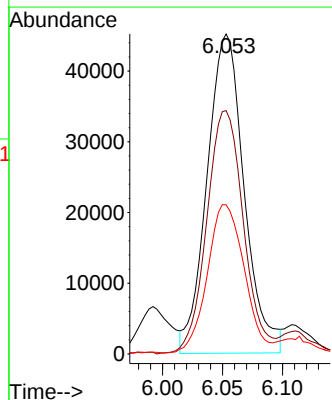
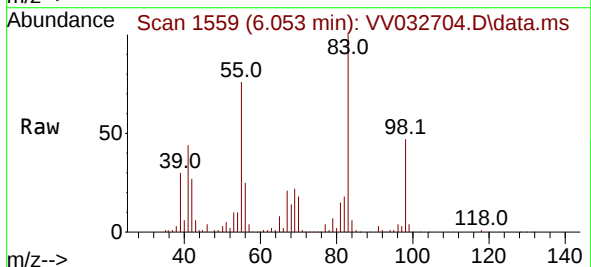
Tgt Ion: 83 Resp: 97152

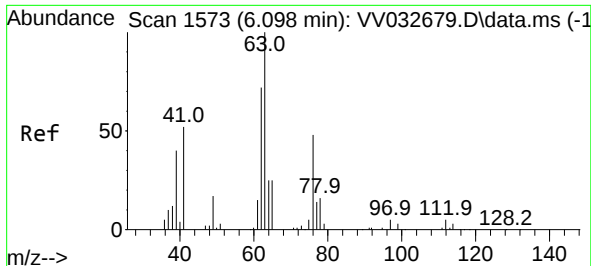
Ion Ratio Lower Upper

83 100

55 75.8 59.6 89.4

98 46.2 39.1 58.7





#37

1,2-Dichloropropane

Concen: 5.589 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

Instrument :

MSVOA_V

ClientSampleId :

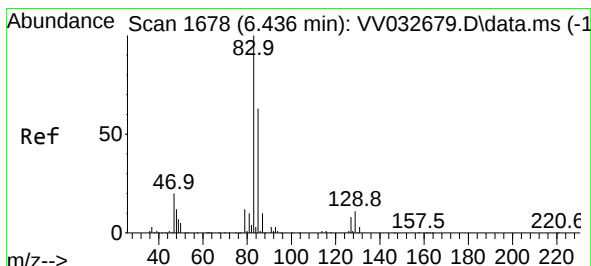
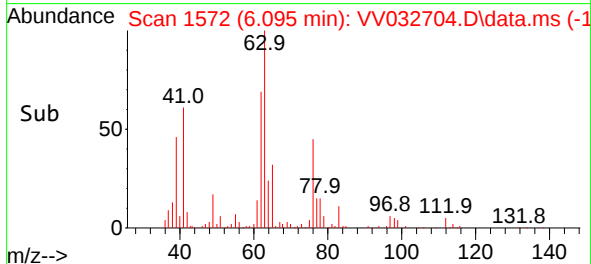
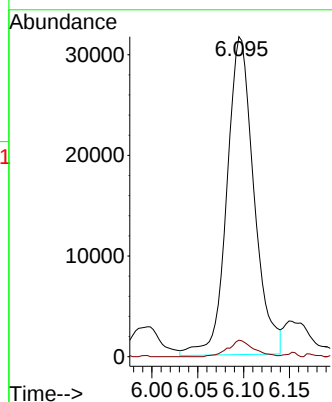
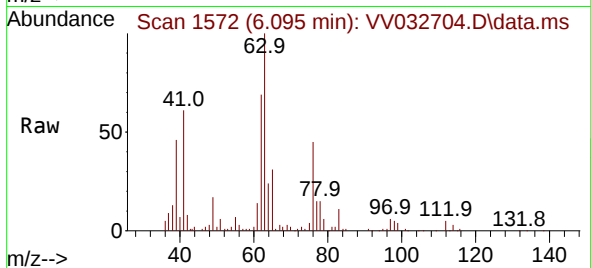
A4939MS

Tgt Ion: 63 Resp: 64893

Ion Ratio Lower Upper

63 100

112 4.9 4.6 7.0



#38

Bromodichloromethane

Concen: 4.810 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

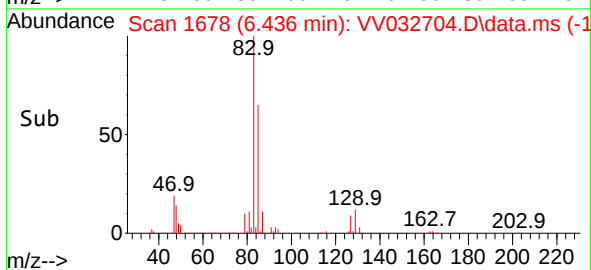
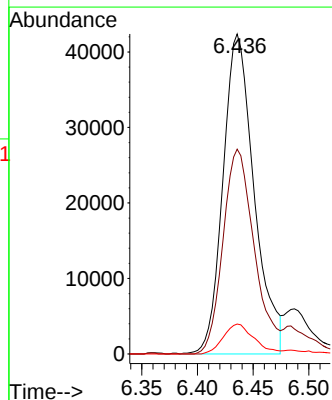
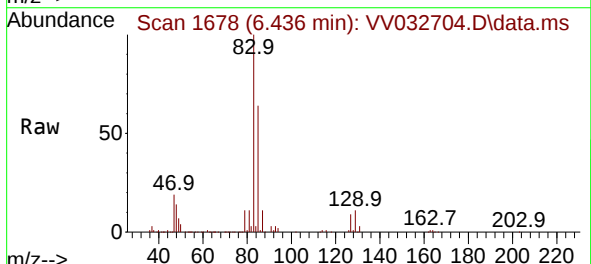
Tgt Ion: 83 Resp: 82514

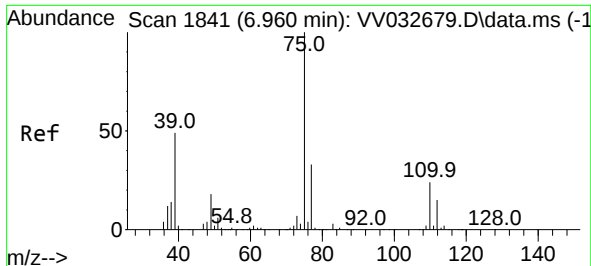
Ion Ratio Lower Upper

83 100

85 64.0 44.9 83.5

127 9.3 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.029 ug/L

RT: 6.960 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

Instrument :

MSVOA_V

ClientSampleId :

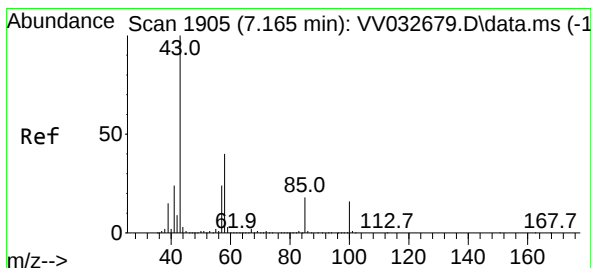
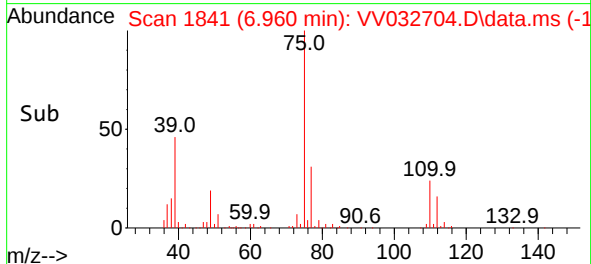
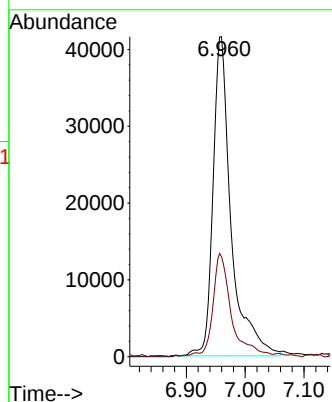
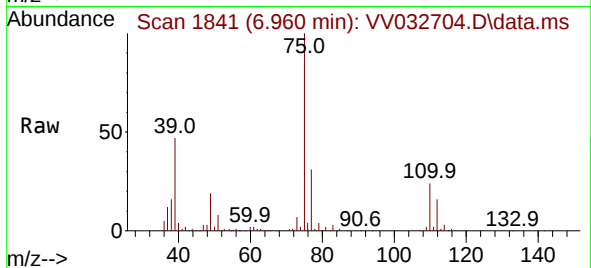
A4939MS

Tgt Ion: 75 Resp: 88897

Ion Ratio Lower Upper

75 100

77 31.3 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 53.529 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

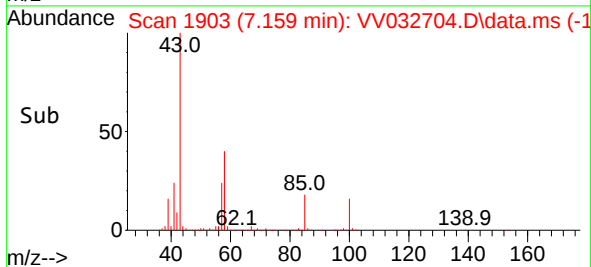
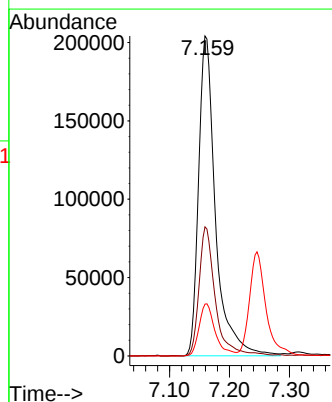
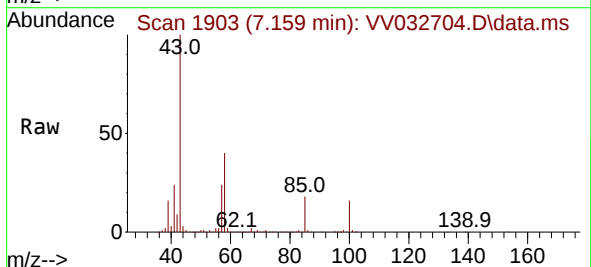
Tgt Ion: 43 Resp: 401031

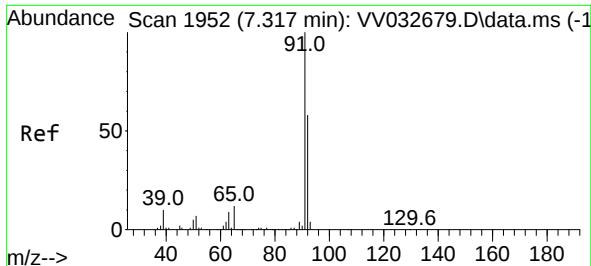
Ion Ratio Lower Upper

43 100

58 38.9 31.3 46.9

100 15.6 12.2 18.4

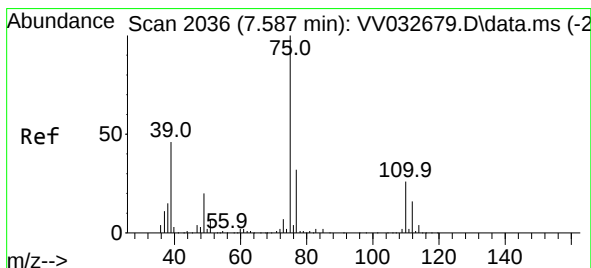
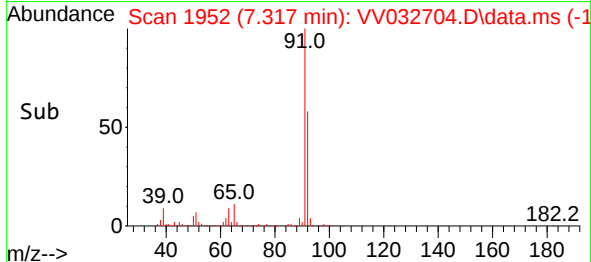
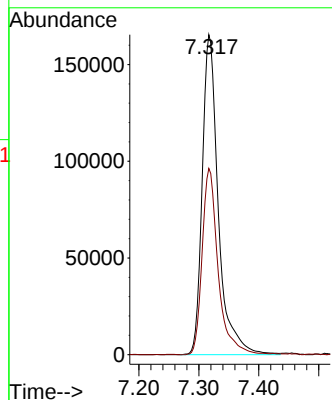
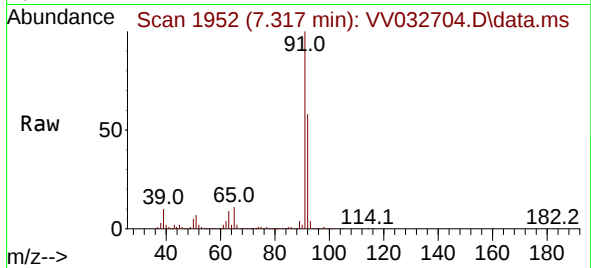




#42
Toluene
Concen: 5.523 ug/L
RT: 7.317 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

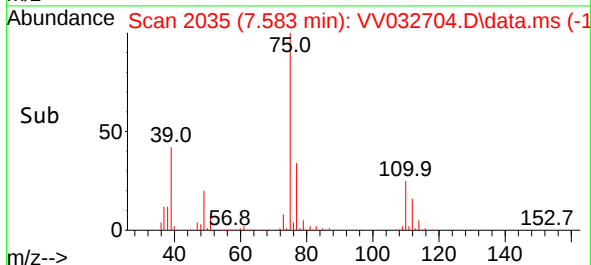
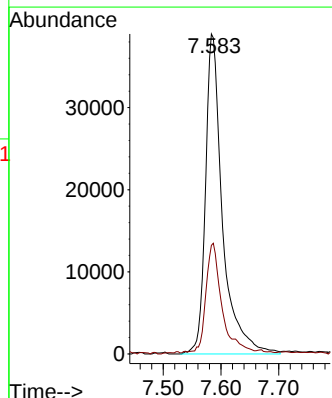
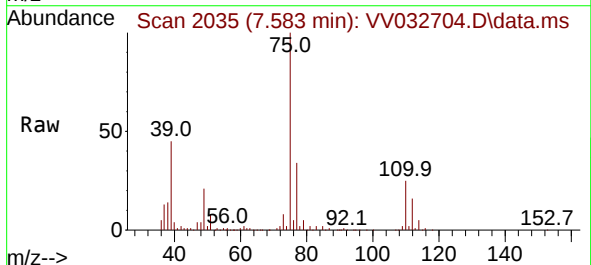
Instrument :
MSVOA_V
ClientSampleId :
A4939MS

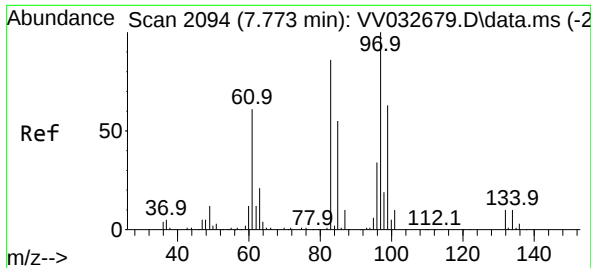
Tgt Ion: 91 Resp: 308780
Ion Ratio Lower Upper
91 100
92 58.2 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 5.236 ug/L
RT: 7.583 min Scan# 2035
Delta R.T. -0.003 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

Tgt Ion: 75 Resp: 79644
Ion Ratio Lower Upper
75 100
77 33.9 23.4 43.4

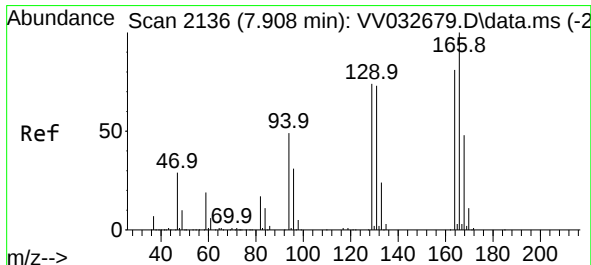
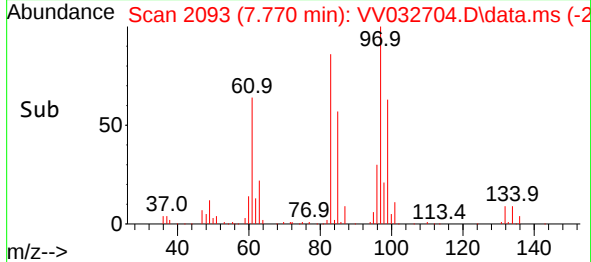
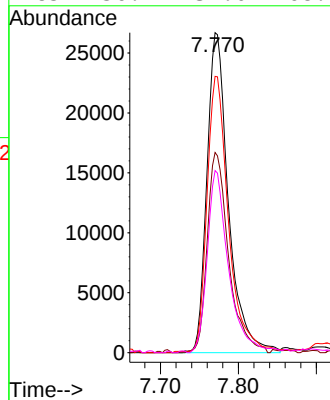
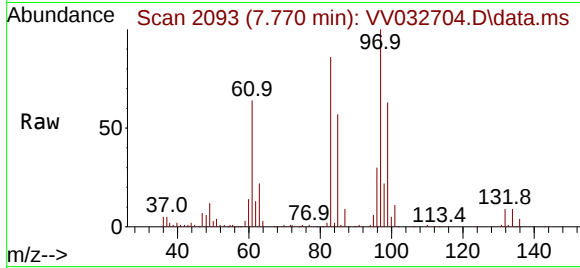




#45
1,1,2-Trichloroethane
Concen: 5.224 ug/L
RT: 7.770 min Scan# 2094
Delta R.T. -0.003 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

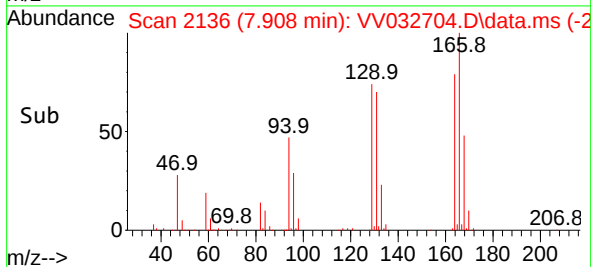
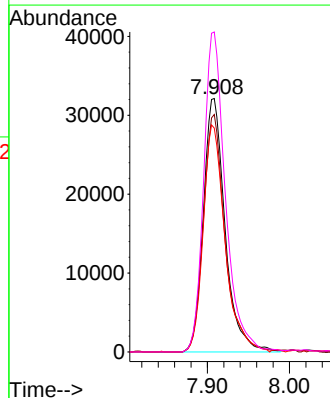
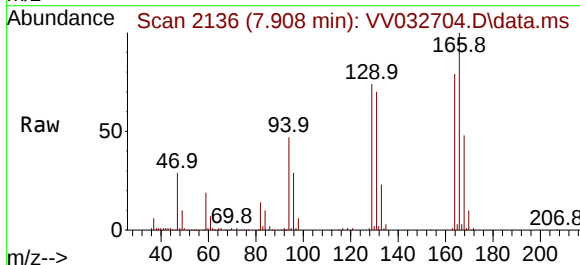
Instrument :
MSVOA_V
ClientSampleId :
A4939MS

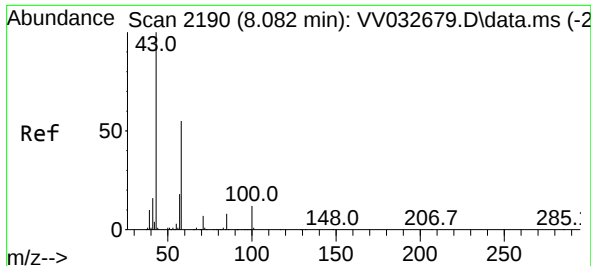
Tgt Ion:	97	Resp:	51225
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.0	81.8
83	86.3	59.9	111.3
85	56.9	37.0	68.8



#47
Tetrachloroethene
Concen: 5.203 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

Tgt Ion:	164	Resp:	59104
Ion	Ratio	Lower	Upper
164	100		
129	93.7	65.3	121.3
131	88.3	66.6	123.8
166	126.3	91.6	170.2



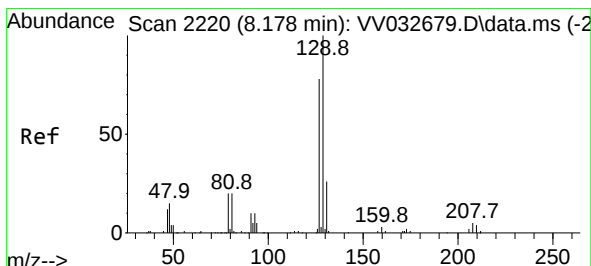
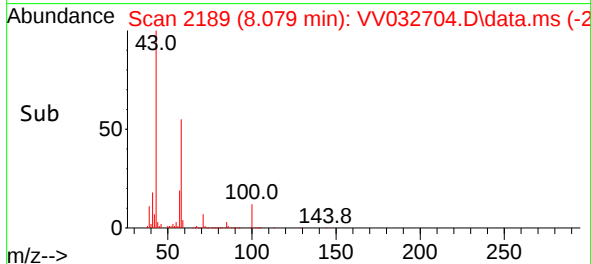
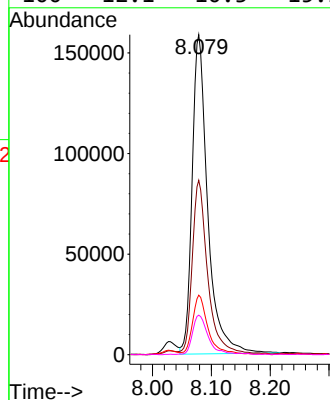
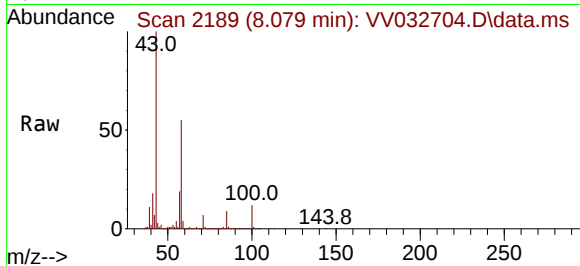


#48
2-Hexanone
Concen: 53.210 ug/L
RT: 8.079 min Scan# 2190
Delta R.T. -0.003 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

Instrument :
MSVOA_V
ClientSampleId :
A4939MS

Tgt Ion: 43 Resp: 291568

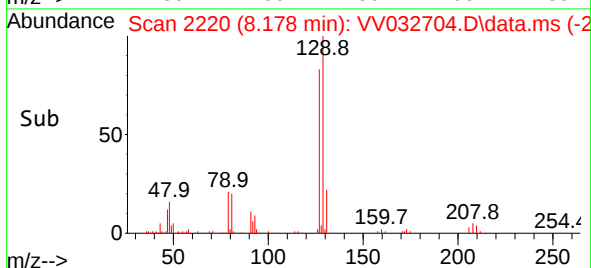
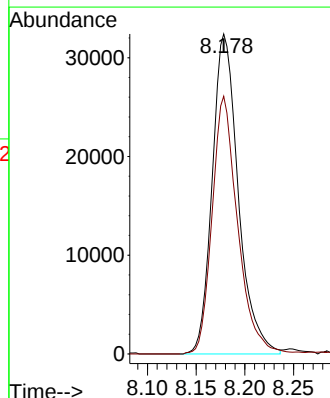
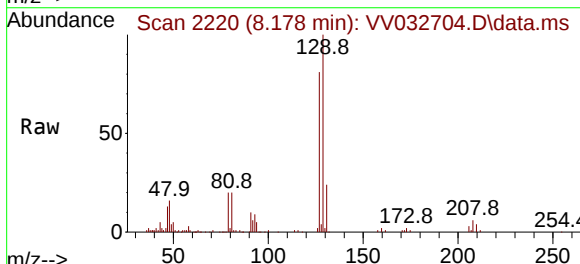
Ion	Ratio	Lower	Upper
43	100		
58	53.1	43.8	65.6
57	18.3	15.1	22.7
100	12.1	10.3	15.5

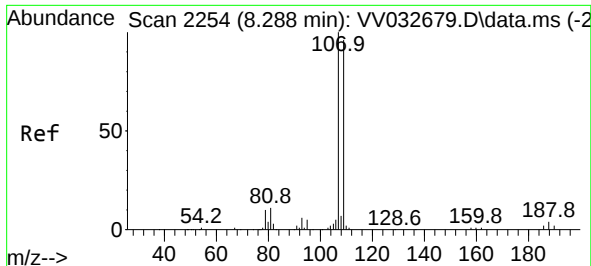


#49
Dibromochloromethane
Concen: 5.190 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

Tgt Ion: 129 Resp: 60370

Ion	Ratio	Lower	Upper
129	100		
127	80.6	54.0	100.4





#50

1,2-Dibromoethane

Concen: 5.271 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

Instrument :

MSVOA_V

ClientSampleId :

A4939MS

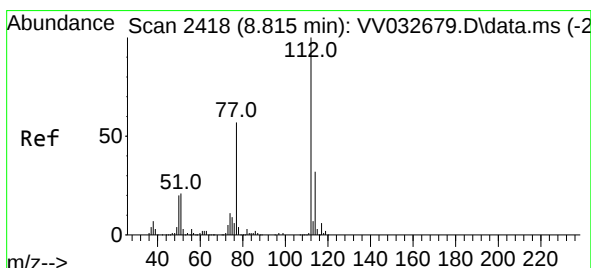
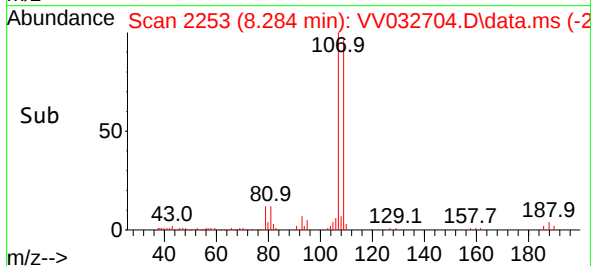
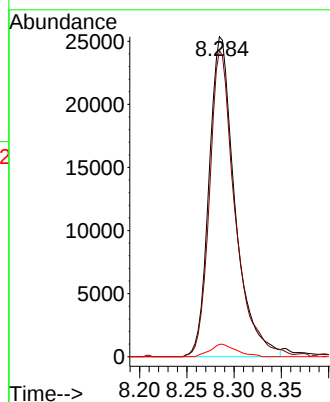
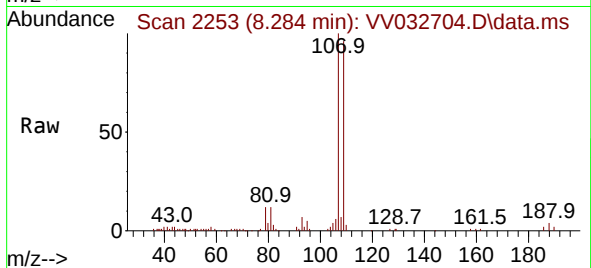
Tgt Ion:107 Resp: 48236

Ion Ratio Lower Upper

107 100

109 95.7 66.4 123.4

188 3.8 2.9 4.3



#51

Chlorobenzene

Concen: 5.144 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

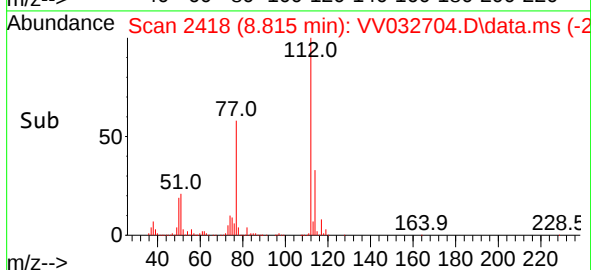
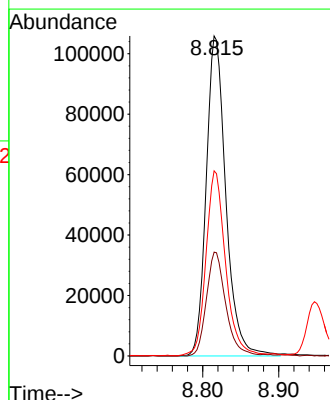
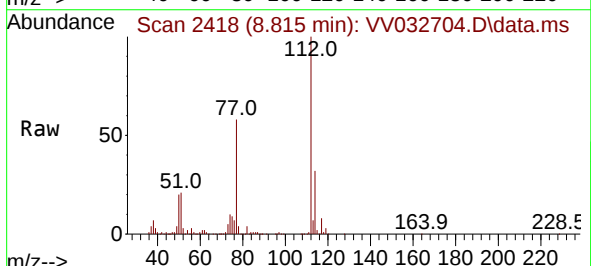
Tgt Ion:112 Resp: 189998

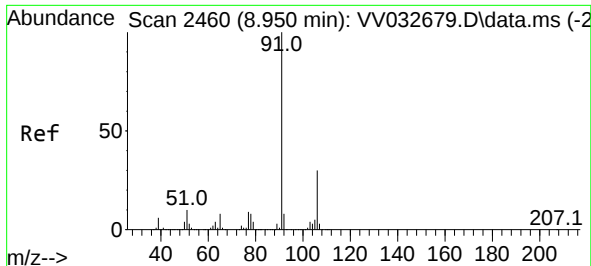
Ion Ratio Lower Upper

112 100

114 32.5 22.7 42.3

77 57.9 45.7 68.5

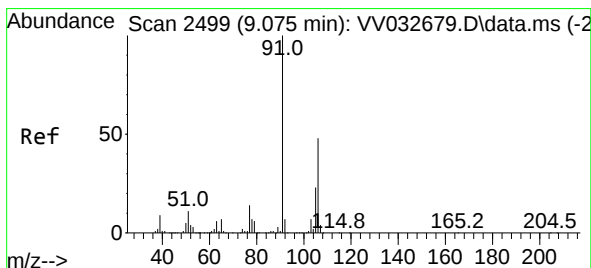
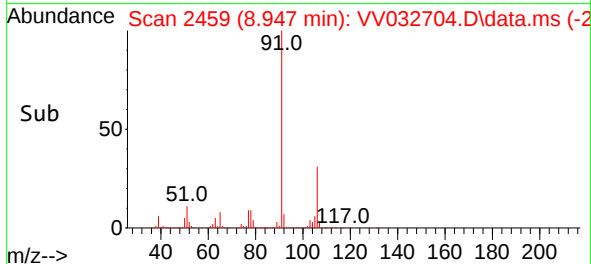
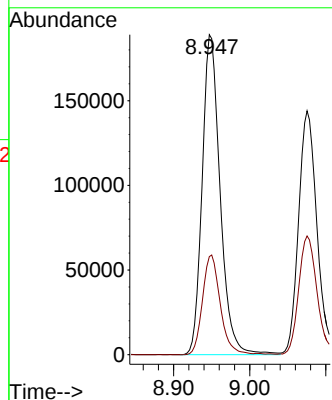
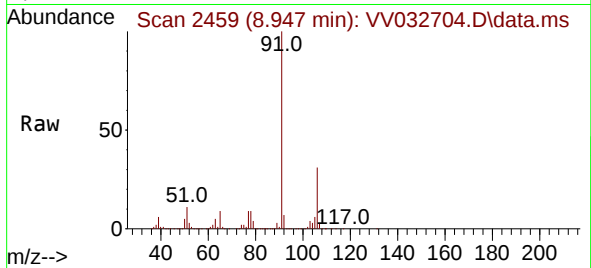




#52
Ethylbenzene
Concen: 5.280 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.003 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

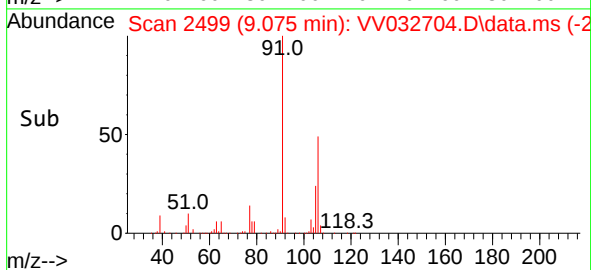
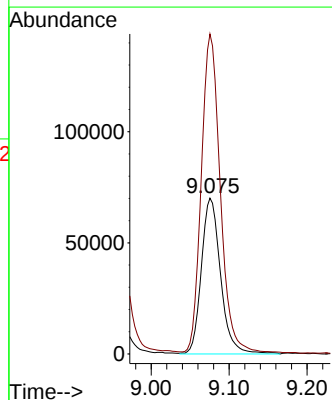
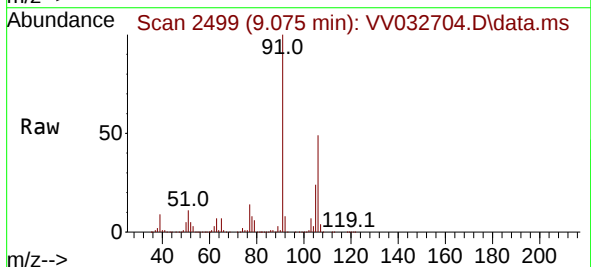
Instrument :
MSVOA_V
ClientSampleId :
A4939MS

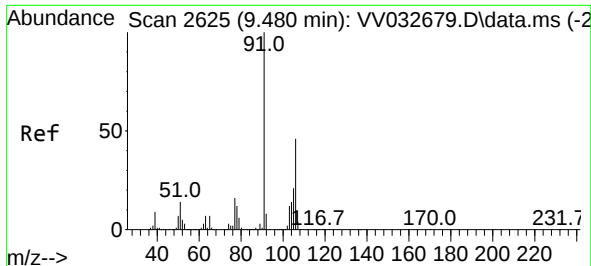
Tgt Ion: 91 Resp: 310336
Ion Ratio Lower Upper
91 100
106 30.6 20.9 38.9



#53
m,p-Xylene
Concen: 5.399 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

Tgt Ion: 106 Resp: 120142
Ion Ratio Lower Upper
106 100
91 205.4 139.3 258.7





#54

o-Xylene

Concen: 5.370 ug/L

RT: 9.481 min Scan# 2625

Delta R.T. 0.000 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

Instrument :

MSVOA_V

ClientSampleId :

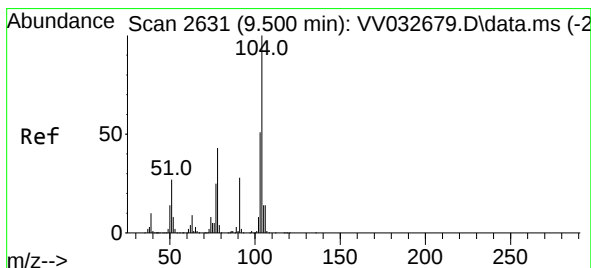
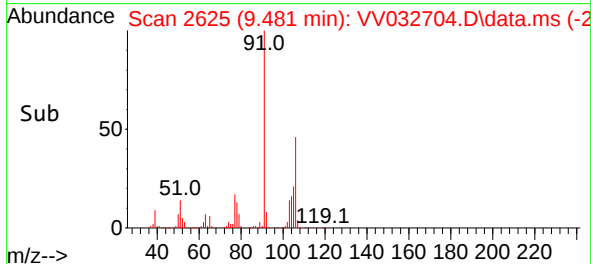
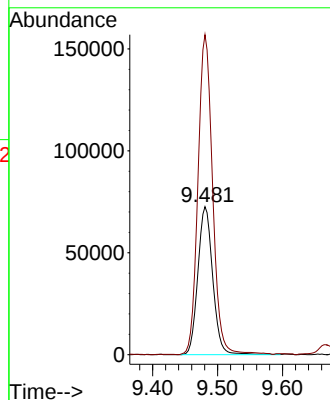
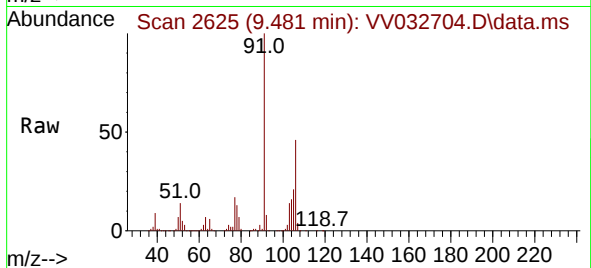
A4939MS

Tgt Ion:106 Resp: 115915

Ion Ratio Lower Upper

106 100

91 216.2 147.4 273.8



#55

Styrene

Concen: 5.541 ug/L

RT: 9.500 min Scan# 2631

Delta R.T. 0.000 min

Lab File: VV032704.D

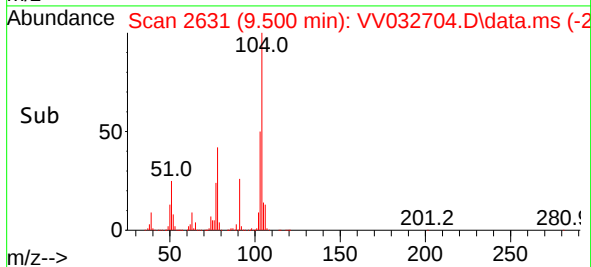
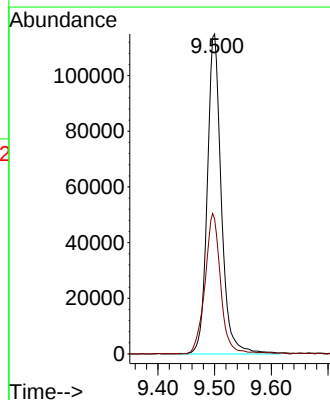
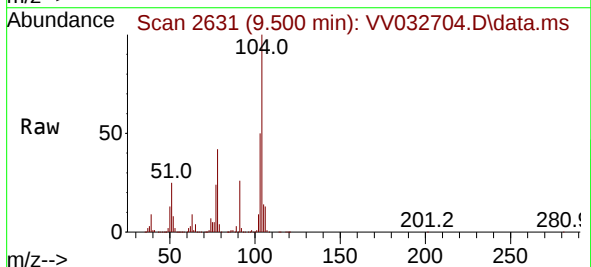
Acq: 27 Oct 2023 23:23

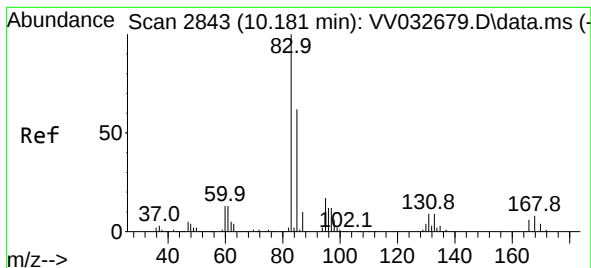
Tgt Ion:104 Resp: 198179

Ion Ratio Lower Upper

104 100

78 42.1 30.5 56.7

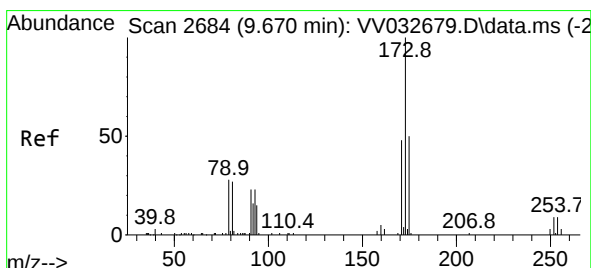
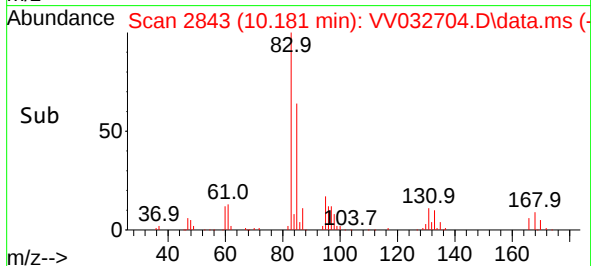
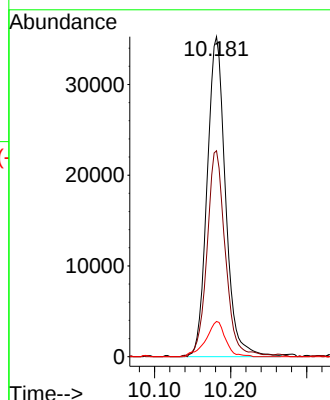
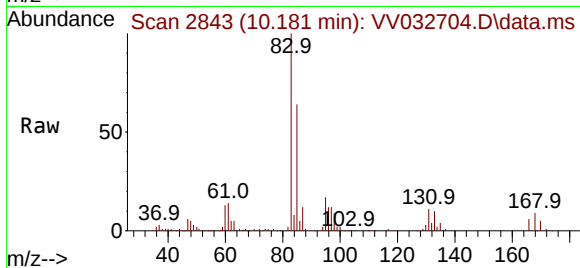




#57
1,1,2,2-Tetrachloroethane
Concen: 5.181 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

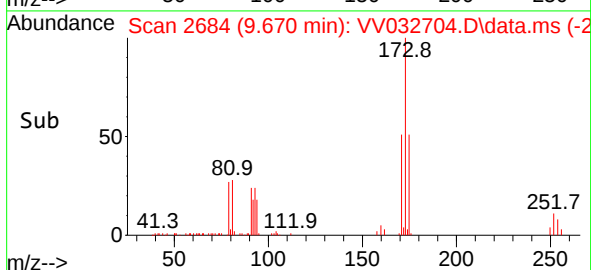
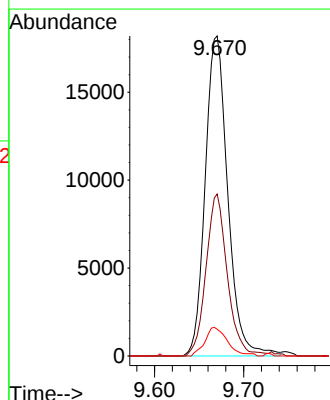
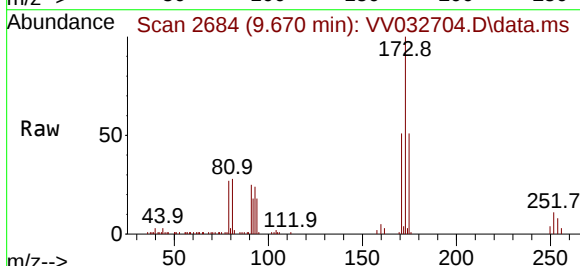
Instrument :
MSVOA_V
ClientSampleId :
A4939MS

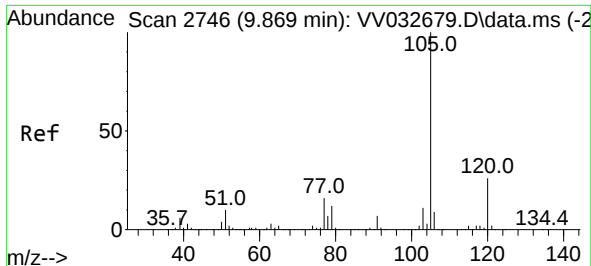
Tgt Ion: 83 Resp: 59266
Ion Ratio Lower Upper
83 100
85 64.3 44.0 81.8
131 11.0 7.8 11.8



#59
Bromoform
Concen: 4.939 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

Tgt Ion: 173 Resp: 32001
Ion Ratio Lower Upper
173 100
175 47.8 38.4 57.6
254 8.9 6.9 10.3

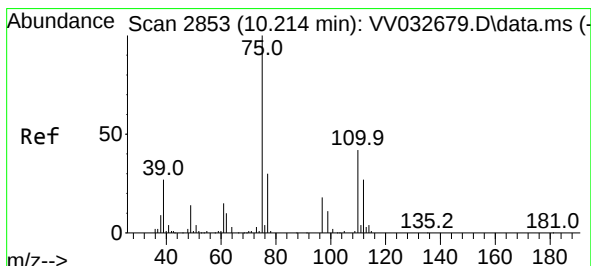
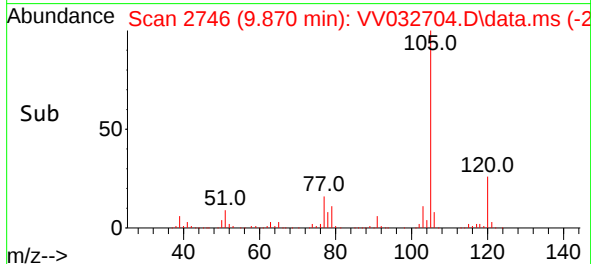
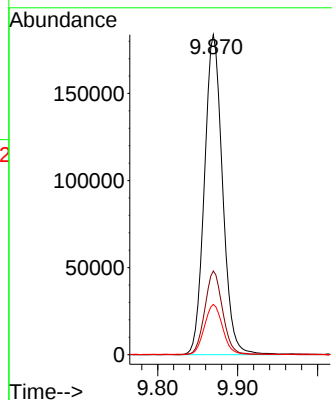
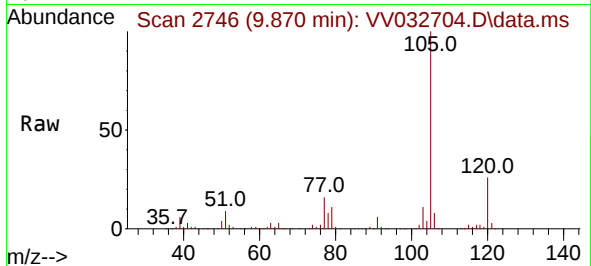




#60
Isopropylbenzene
Concen: 5.181 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

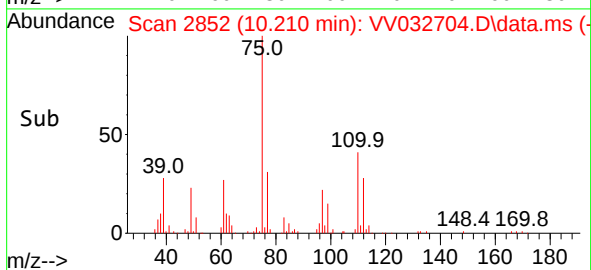
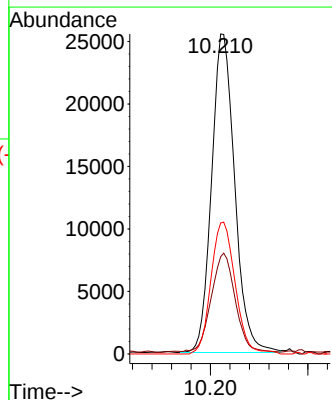
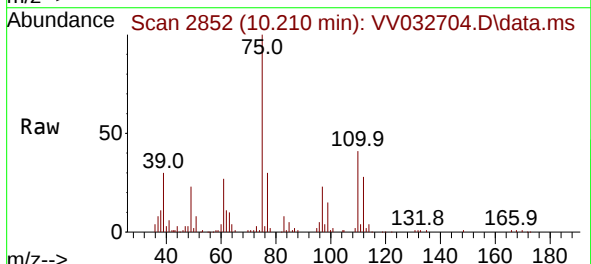
Instrument :
MSVOA_V
ClientSampleId :
A4939MS

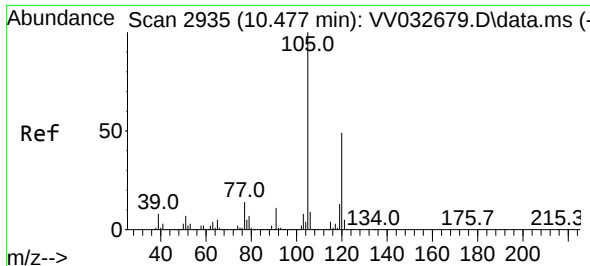
Tgt Ion:105 Resp: 290381
Ion Ratio Lower Upper
105 100
120 25.7 21.0 31.6
77 15.5 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.817 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.003 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

Tgt Ion: 75 Resp: 42075
Ion Ratio Lower Upper
75 100
77 32.7 24.5 36.7
110 43.3 32.3 48.5

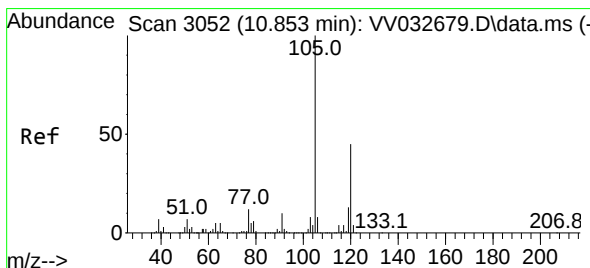
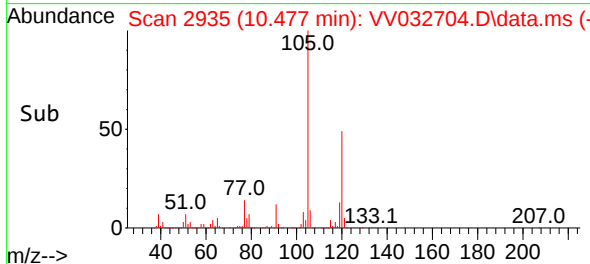
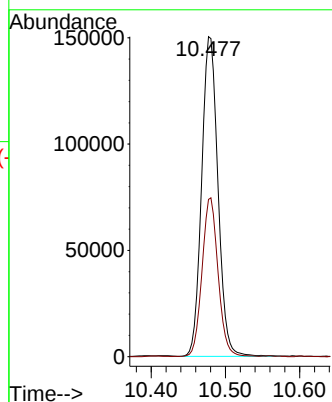
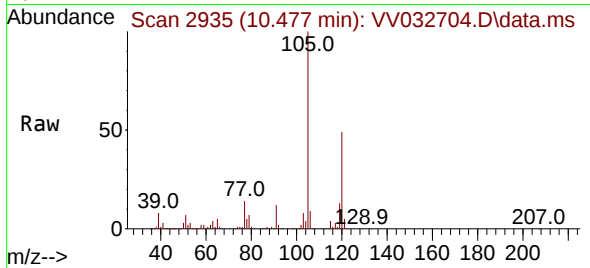




#62
 1,3,5-Trimethylbenzene
 Concen: 5.016 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VV032704.D
 Acq: 27 Oct 2023 23:23

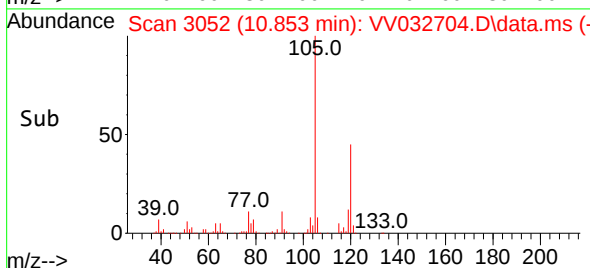
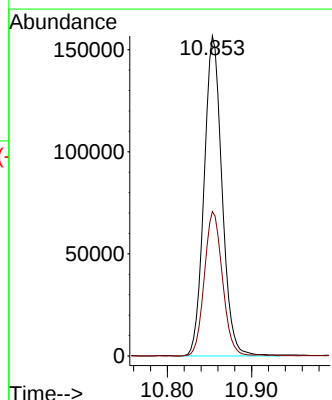
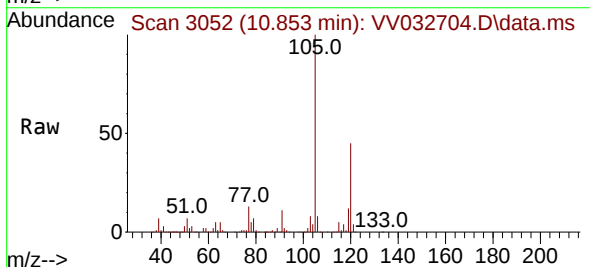
Instrument :
 MSVOA_V
 ClientSampleId :
 A4939MS

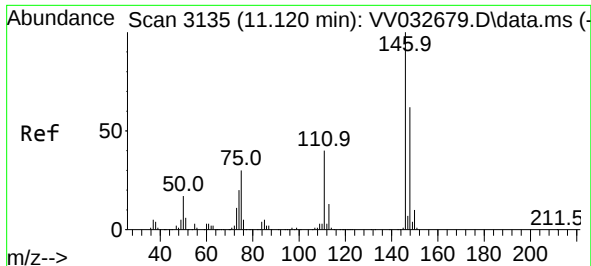
Tgt Ion:105 Resp: 229828
 Ion Ratio Lower Upper
 105 100
 120 48.5 39.4 59.2



#63
 1,2,4-Trimethylbenzene
 Concen: 5.139 ug/L
 RT: 10.853 min Scan# 3052
 Delta R.T. 0.000 min
 Lab File: VV032704.D
 Acq: 27 Oct 2023 23:23

Tgt Ion:105 Resp: 232657
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.9 55.3

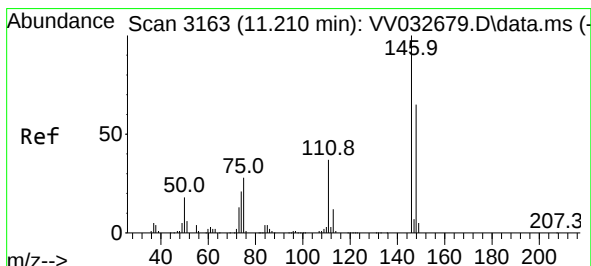
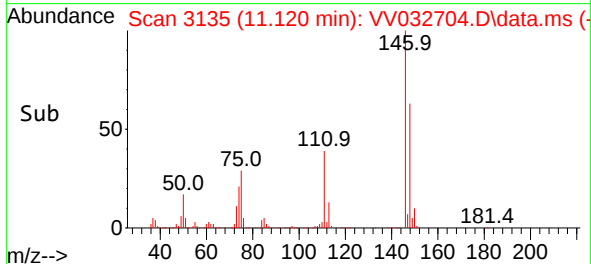
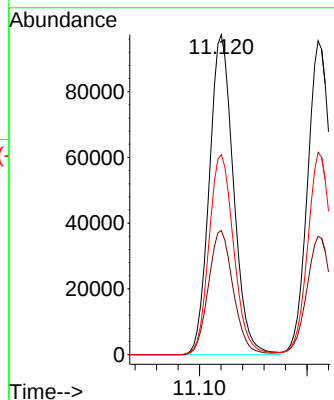
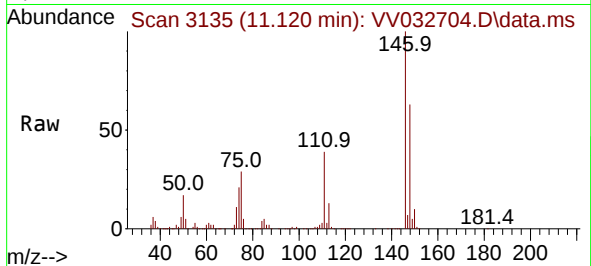




#64
1,3-Dichlorobenzene
Concen: 5.058 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

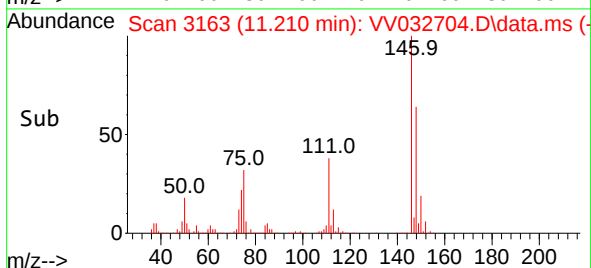
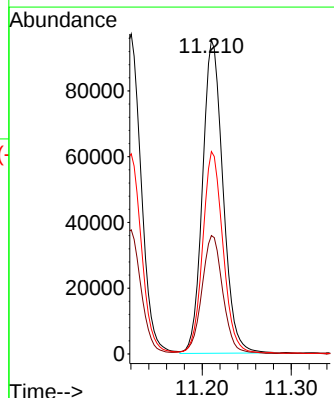
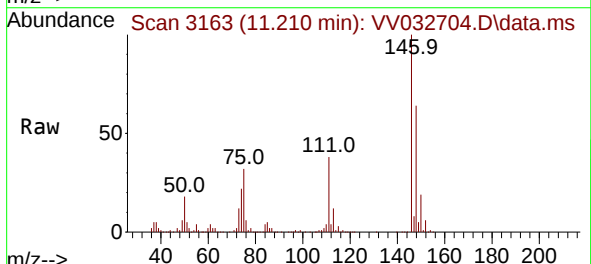
Instrument :
MSVOA_V
ClientSampleId :
A4939MS

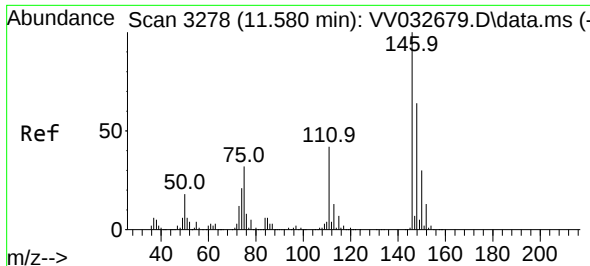
Tgt Ion:146 Resp: 152122
Ion Ratio Lower Upper
146 100
111 38.8 26.8 49.8
148 62.6 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.084 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032704.D
Acq: 27 Oct 2023 23:23

Tgt Ion:146 Resp: 151776
Ion Ratio Lower Upper
146 100
111 37.7 26.2 48.8
148 64.5 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.178 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

Instrument :

MSVOA_V

ClientSampleId :

A4939MS

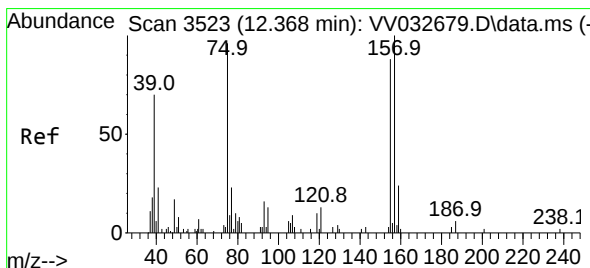
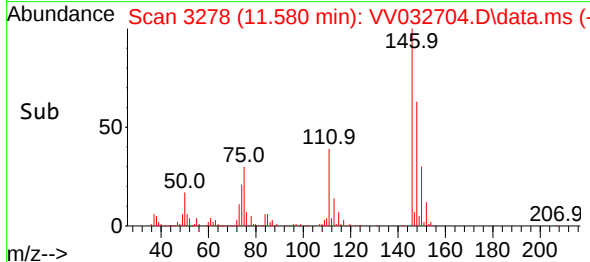
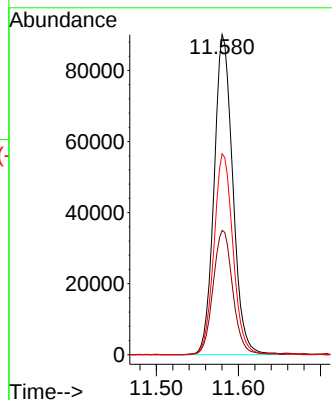
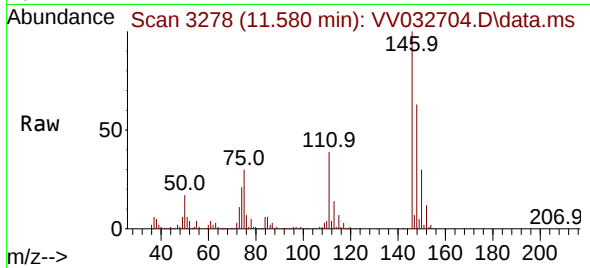
Tgt Ion:146 Resp: 143209

Ion Ratio Lower Upper

146 100

111 38.9 34.2 51.4

148 62.8 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.123 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

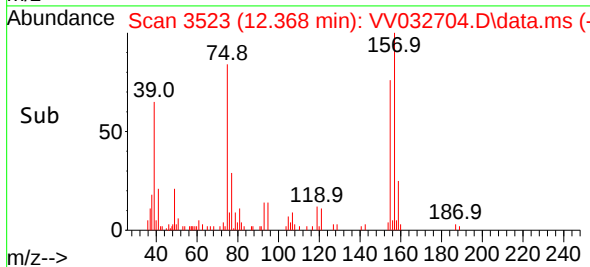
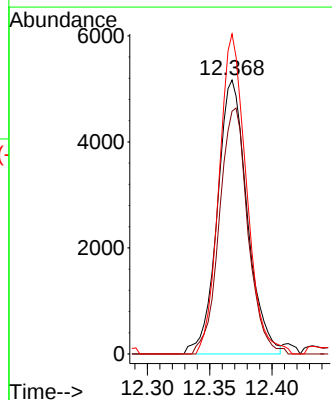
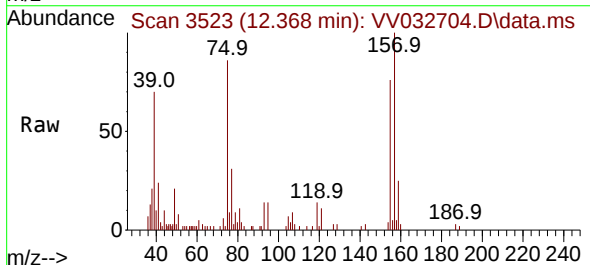
Tgt Ion: 75 Resp: 8607

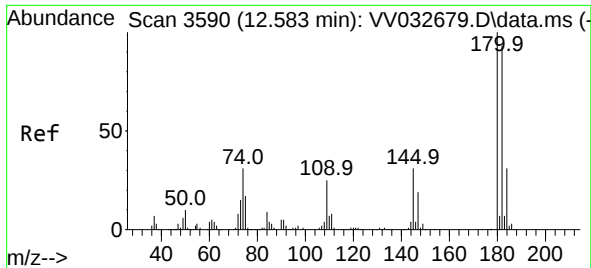
Ion Ratio Lower Upper

75 100

155 88.6 70.1 105.1

157 116.8 90.2 135.2

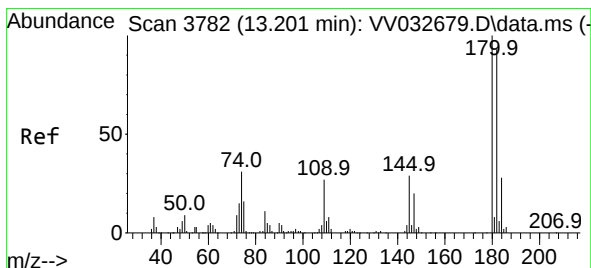
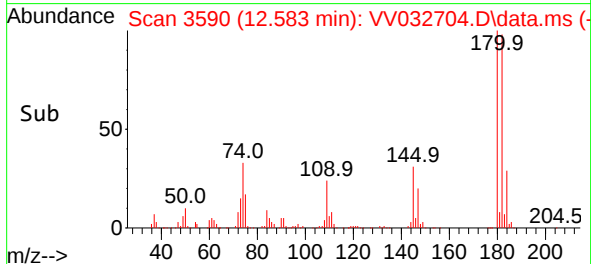
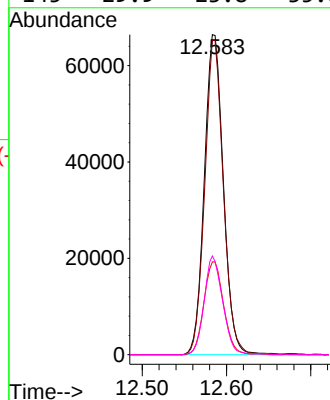
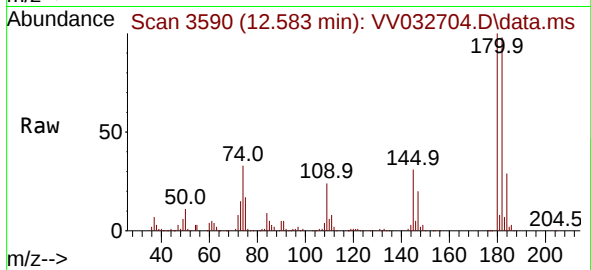




#69
 1,3,5-Trichlorobenzene
 Concen: 4.869 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.000 min
 Lab File: VV032704.D
 Acq: 27 Oct 2023 23:23

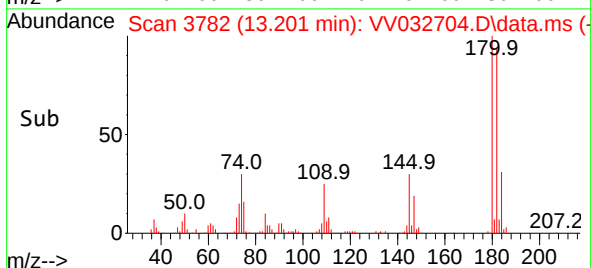
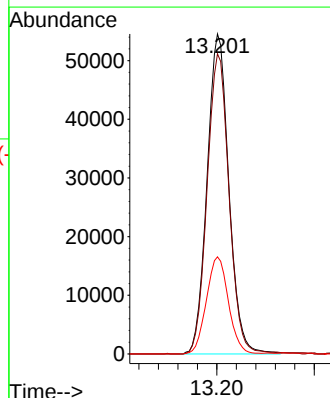
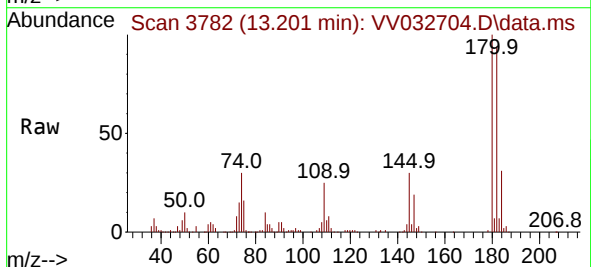
Instrument :
 MSVOA_V
 ClientSampleId :
 A4939MS

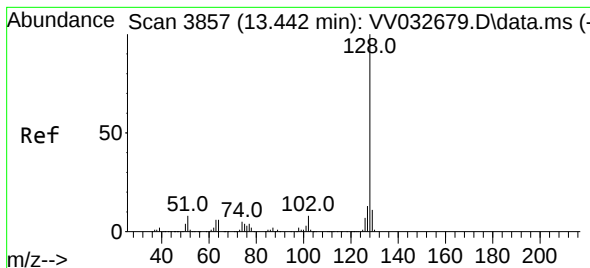
Tgt Ion:180	Resp:	104513
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.6 115.0
184	29.9	24.3 36.5
145	29.9	23.8 35.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.648 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.000 min
 Lab File: VV032704.D
 Acq: 27 Oct 2023 23:23

Tgt Ion:180	Resp:	84660
Ion Ratio	Lower	Upper
180	100	
182	94.1	75.7 113.5
145	30.7	25.0 37.4





#71

Naphthalene

Concen: 4.256 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.000 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

Instrument :

MSVOA_V

ClientSampleId :

A4939MS

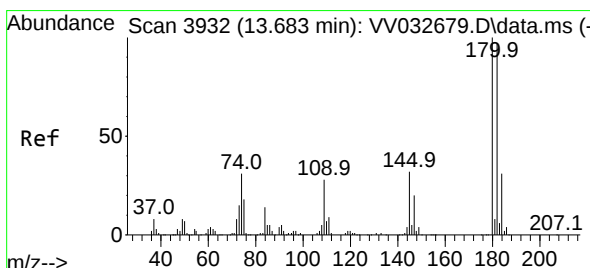
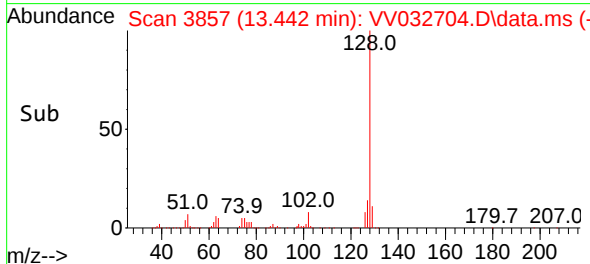
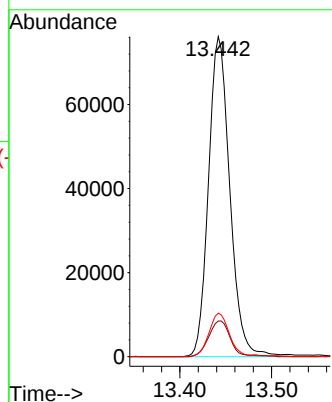
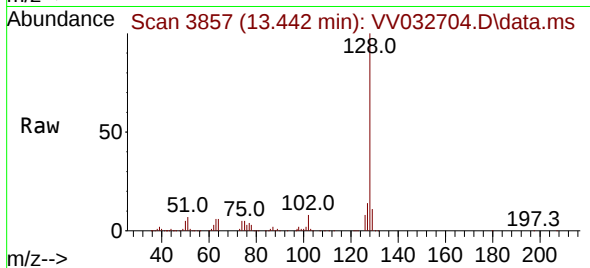
Tgt Ion:128 Resp: 122876

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

127 13.1 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.882 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032704.D

Acq: 27 Oct 2023 23:23

Tgt Ion:180 Resp: 78188

Ion Ratio Lower Upper

180 100

182 95.8 75.4 113.2

145 32.9 26.4 39.6

