

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102723\
 Data File : VW032705.D
 Acq On : 27 Oct 2023 23:48
 Operator : SY/MD
 Sample : 05055-06MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4939MSD

Quant Time: Oct 28 00:30:28 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	5.538	114	142928	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	160184	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	85778	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	52639	4.484	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.600%
7) Chloroethane-d5	1.532	69	49631	4.975	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.600%
11) 1,1-Dichloroethene-d2	2.059	65	22337	4.239	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.800%
20) 2-Butanone-d5	3.802	46	102606	40.478	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.960%
24) Chloroform-d	4.252	84	100258	5.144	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	4.947	65	48934	5.085	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.800%
32) Benzene-d6	4.963	84	188784	4.950	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	5.992	67	55606	5.035	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.246	98	202608	5.241	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
43) trans-1,3-Dichloroprop...	7.558	79	22862	4.691	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.800%
46) 2-Hexanone-d5	8.027	63	90063	46.634	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.260%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	47364	4.823	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	11.564	152	71274	5.089	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	73916	5.038	ug/L	96
3) Chloromethane	1.217	50	85225	4.924	ug/L	96
5) Vinyl chloride	1.285	62	83590	4.867	ug/L	98
6) Bromomethane	1.490	94	48067	4.795	ug/L	97
8) Chloroethane	1.551	64	56603	5.039	ug/L	98
9) Trichlorofluoromethane	1.715	101	116309	5.030	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	66785	4.898	ug/L	100
12) 1,1-Dichloroethene	2.072	96	62317	4.878	ug/L	84
13) Acetone	2.130	43	108376	43.309	ug/L	91
14) Carbon disulfide	2.243	76	196271	4.850	ug/L	100
15) Methyl Acetate	2.381	43	18625	3.717	ug/L	97
16) Methylene chloride	2.449	84	69875	4.444	ug/L	98
17) Methyl tert-butyl Ether	2.706	73	139719	5.066	ug/L	99
18) trans-1,2-Dichloroethene	2.696	96	66091	5.232	ug/L	98
19) 1,1-Dichloroethane	3.114	63	115768	5.169	ug/L	98
21) 2-Butanone	3.879	43	148886	45.003	ug/L	88
22) cis-1,2-Dichloroethene	3.818	96	68868	5.377	ug/L	97
23) Bromochloromethane	4.153	128	31017	5.206	ug/L	96
25) Chloroform	4.278	83	129009	5.299	ug/L	99

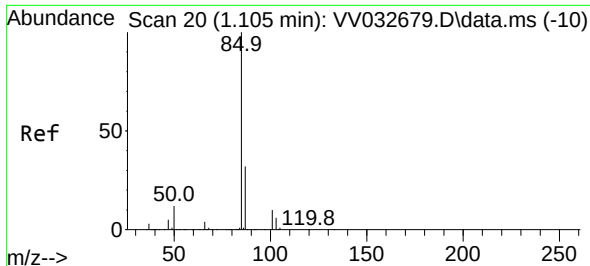
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 28 00:17:24 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	76956	5.085	ug/L	97
29) 1,1,1-Trichloroethane	4.516	97	104481	5.057	ug/L	97
30) Cyclohexane	4.583	56	87214	5.008	ug/L	98
31) Carbon tetrachloride	4.738	117	93883	5.223	ug/L	99
33) Benzene	5.014	78	266475	5.277	ug/L	100
34) Trichloroethene	5.834	95	65906	4.886	ug/L	95
35) Methylcyclohexane	6.053	83	101550	5.038	ug/L	99
37) 1,2-Dichloropropane	6.095	63	62403	5.122	ug/L	100
38) Bromodichloromethane	6.436	83	86902	4.828	ug/L	97
39) cis-1,3-Dichloropropene	6.956	75	94150	5.076	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	415739	52.884	ug/L	100
42) Toluene	7.316	91	324661	5.534	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	82696	5.181	ug/L	94
45) 1,1,2-Trichloroethane	7.773	97	52670	5.119	ug/L	99
47) Tetrachloroethene	7.908	164	62138	5.213	ug/L	93
48) 2-Hexanone	8.079	43	301006	52.350	ug/L	100
49) Dibromochloromethane	8.178	129	62560	5.125	ug/L	98
50) 1,2-Dibromoethane	8.284	107	50507	5.260	ug/L	97
51) Chlorobenzene	8.815	112	199674	5.152	ug/L	99
52) Ethylbenzene	8.950	91	328350	5.324	ug/L	99
53) m,p-Xylene	9.075	106	125066	5.356	ug/L	94
54) o-Xylene	9.480	106	122193	5.395	ug/L	96
55) Styrene	9.500	104	202859	5.406	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	61950	5.161	ug/L	98
59) Bromoform	9.667	173	33843	5.029	ug/L	98
60) Isopropylbenzene	9.869	105	301390	5.177	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	43246	4.767	ug/L	95
62) 1,3,5-Trimethylbenzene	10.477	105	243051	5.107	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	248359	5.281	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	160486	5.138	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	157277	5.072	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	151885	5.287	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.368	75	8898	4.104	ug/L	88
69) 1,3,5-Trichlorobenzene	12.583	180	110456	4.954	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	90732	4.796	ug/L	98
71) Naphthalene	13.442	128	143318	4.780	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	85349	5.131	ug/L	98

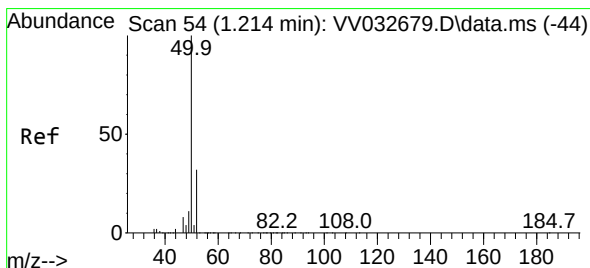
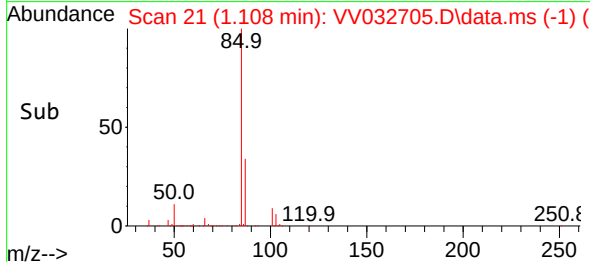
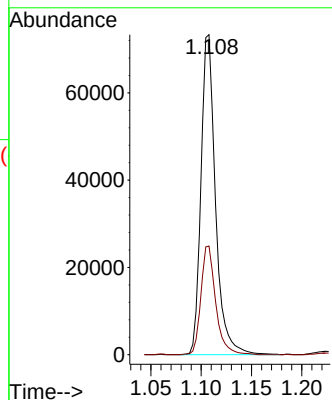
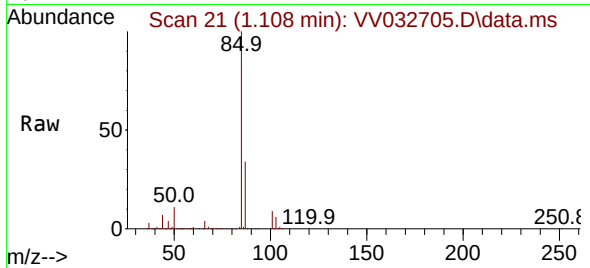
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#2
Dichlorodifluoromethane
Concen: 5.038 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

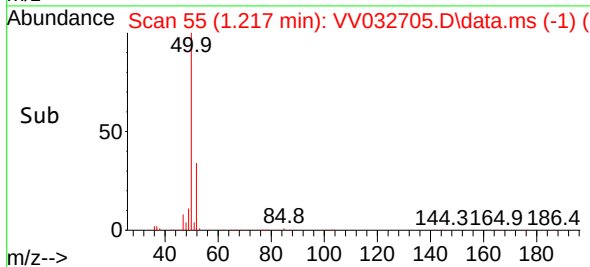
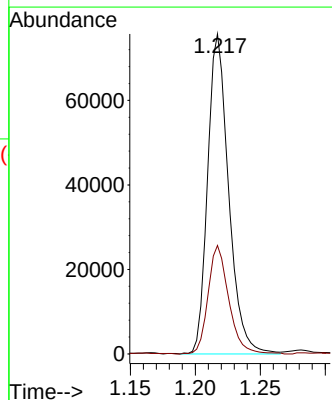
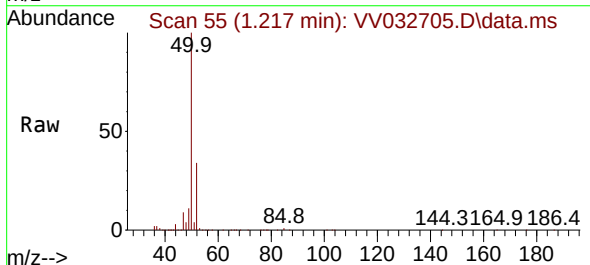
Instrument :
MSVOA_V
ClientSampleId :
A4939MSD

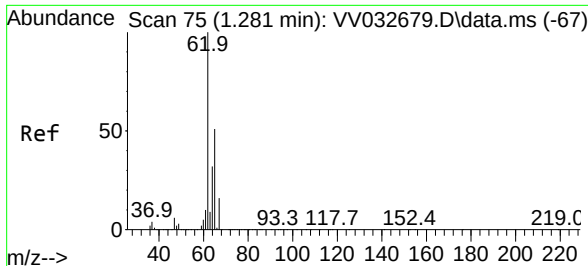
Tgt Ion: 85 Resp: 73916
Ion Ratio Lower Upper
85 100
87 34.5 25.9 38.9



#3
Chloromethane
Concen: 4.924 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.003 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

Tgt Ion: 50 Resp: 85225
Ion Ratio Lower Upper
50 100
52 33.9 22.3 41.5

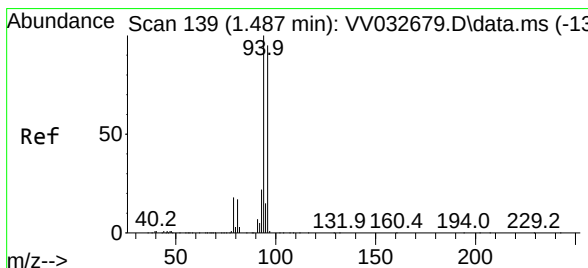
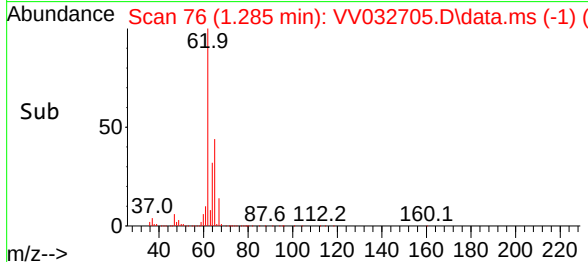
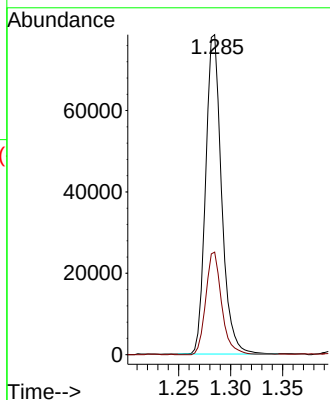
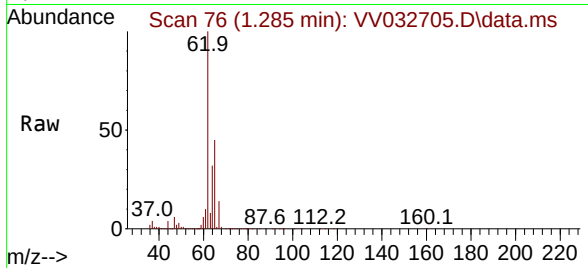




#5
 Vinyl chloride
 Concen: 4.867 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV032705.D
 Acq: 27 Oct 2023 23:48

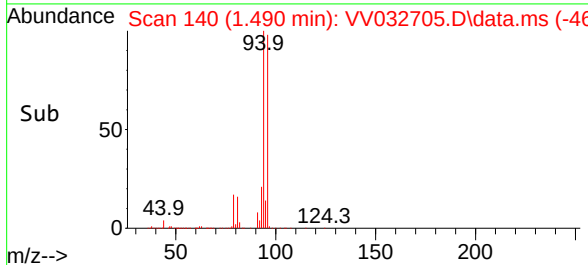
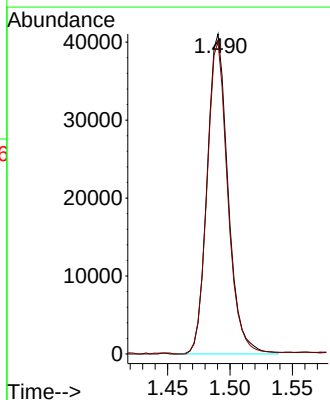
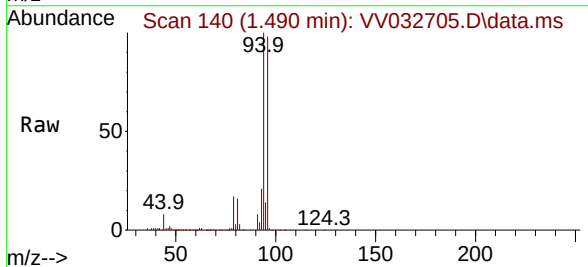
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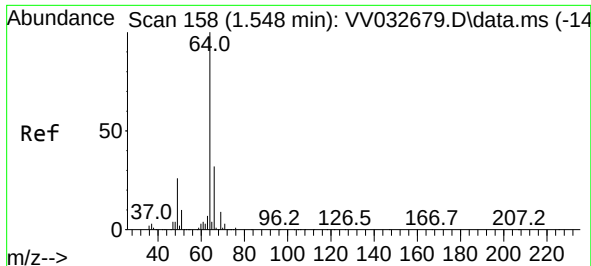
Tgt Ion: 62 Resp: 83590
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.2 43.0



#6
 Bromomethane
 Concen: 4.795 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV032705.D
 Acq: 27 Oct 2023 23:48

Tgt Ion: 94 Resp: 48067
 Ion Ratio Lower Upper
 94 100
 96 97.5 66.4 123.2

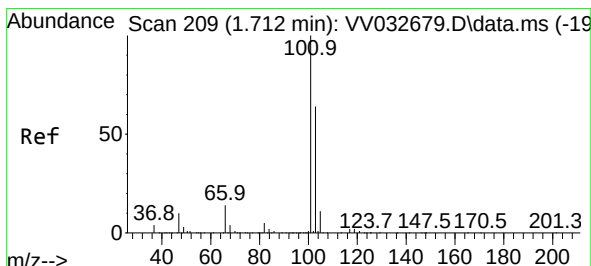
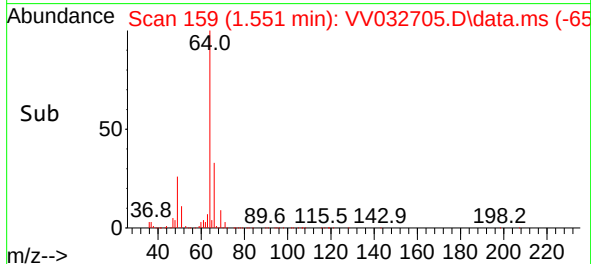
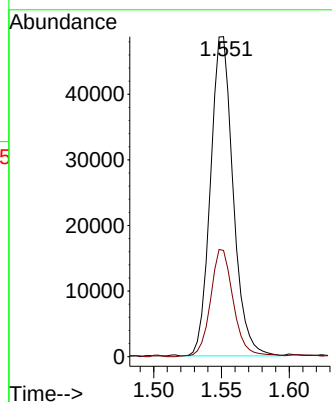
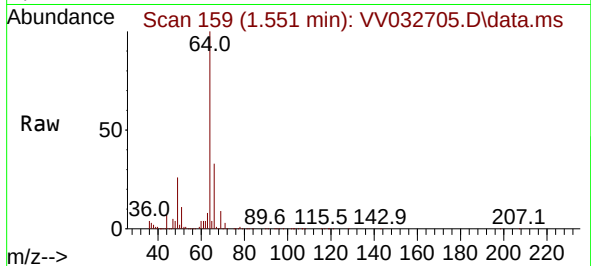




#8
Chloroethane
Concen: 5.039 ug/L
RT: 1.551 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

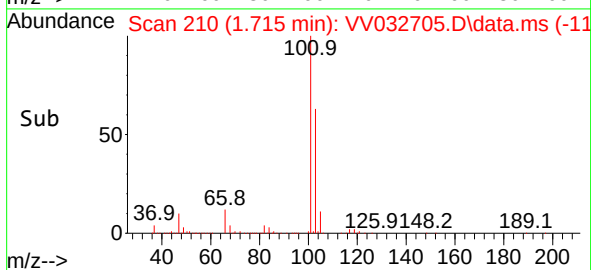
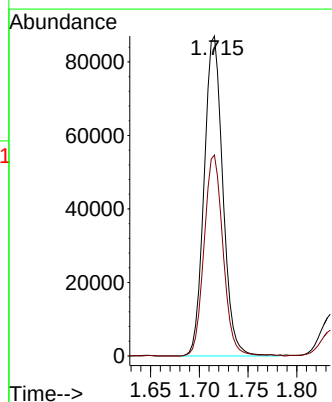
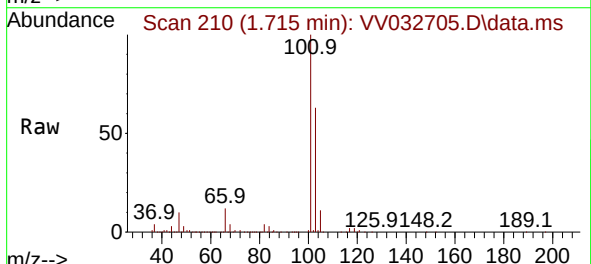
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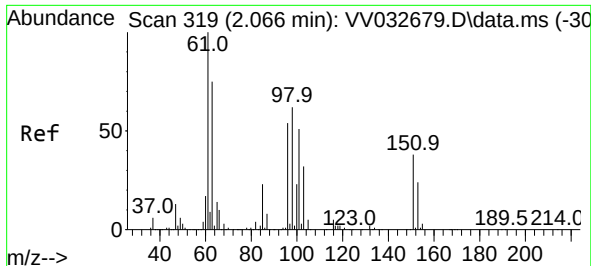
Tgt Ion: 64 Resp: 56603
Ion Ratio Lower Upper
64 100
66 33.2 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.030 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

Tgt Ion: 101 Resp: 116309
Ion Ratio Lower Upper
101 100
103 63.5 52.1 78.1





#10

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

Concen: 4.898 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

Instrument :

MSVOA_V

ClientSampleId :

A4939MSD

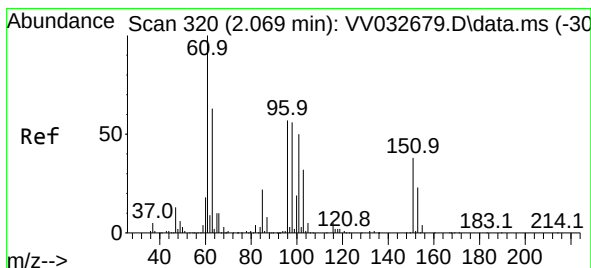
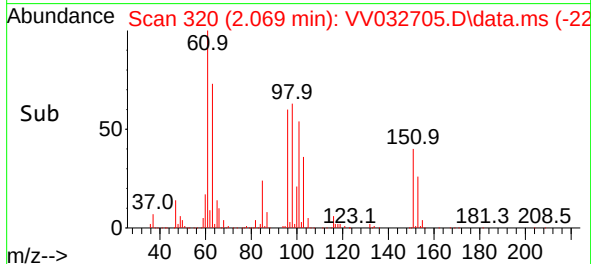
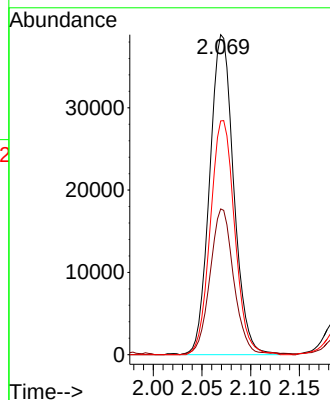
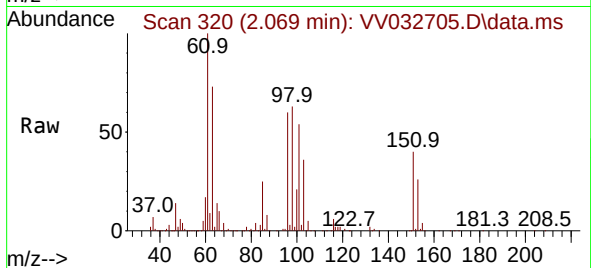
Tgt Ion:101 Resp: 66785

Ion Ratio Lower Upper

101 100

85 44.9 36.2 54.4

151 74.0 59.0 88.6



#12

1,1-Dichloroethene

Concen: 4.878 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

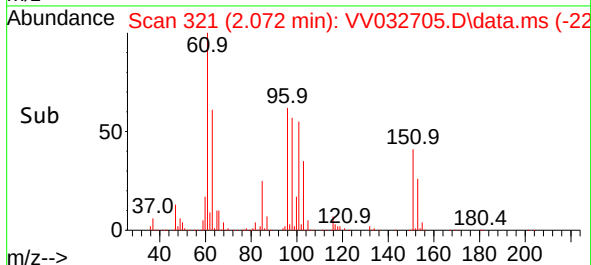
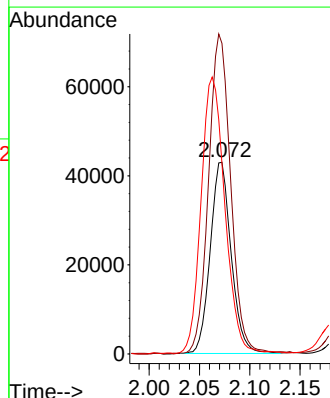
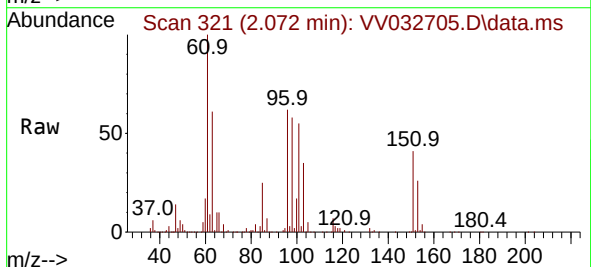
Tgt Ion: 96 Resp: 62317

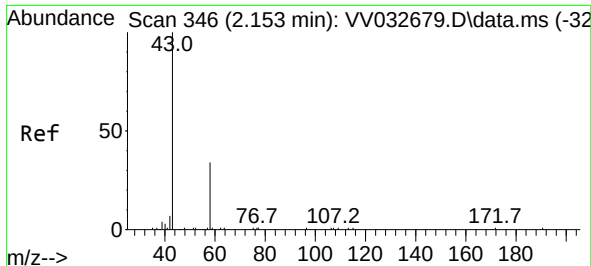
Ion Ratio Lower Upper

96 100

61 162.0 122.3 227.1

63 99.4 89.4 166.0





#13

Acetone

Concen: 43.309 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.023 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

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MSVOA_V

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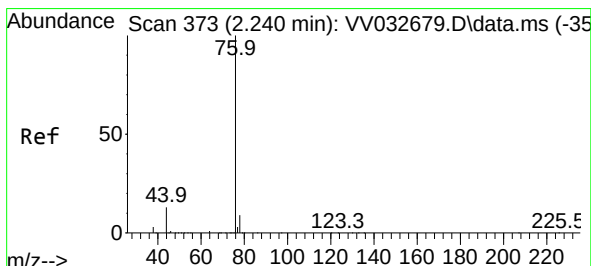
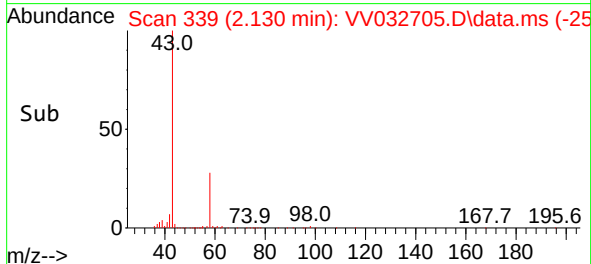
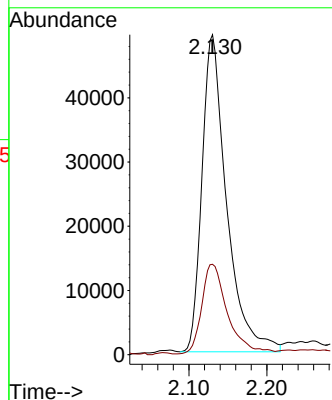
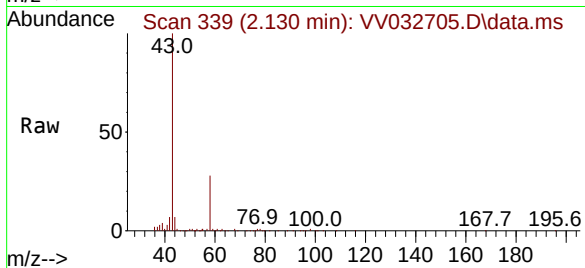
A4939MSD

Tgt Ion: 43 Resp: 108376

Ion Ratio Lower Upper

43 100

58 29.7 0.0 50.6



#14

Carbon disulfide

Concen: 4.850 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV032705.D

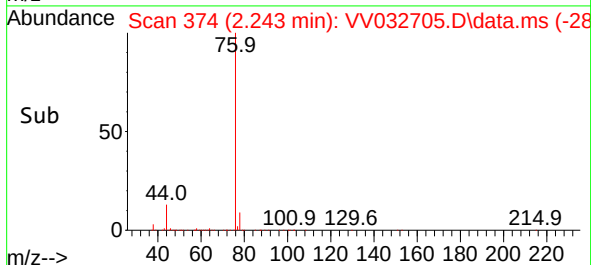
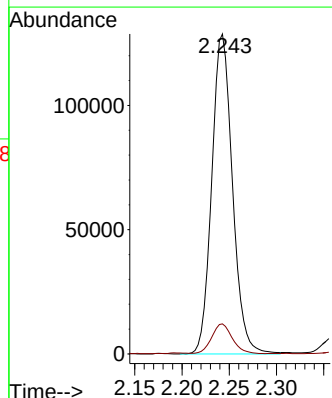
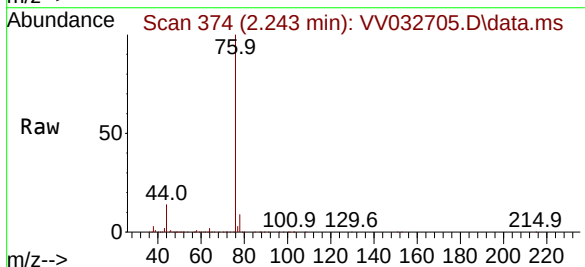
Acq: 27 Oct 2023 23:48

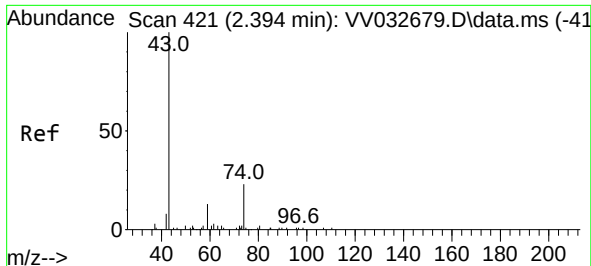
Tgt Ion: 76 Resp: 196271

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

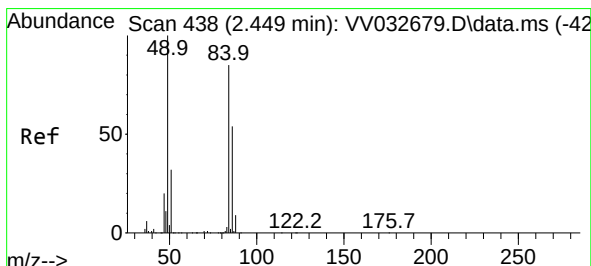
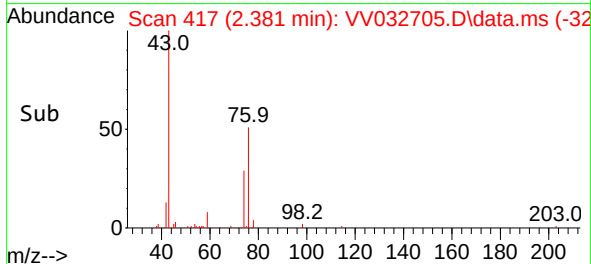
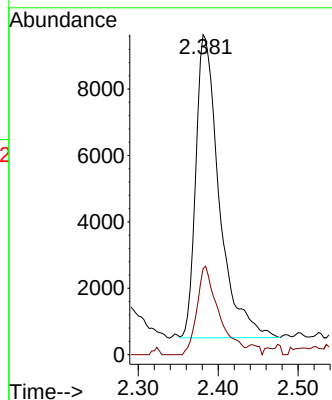
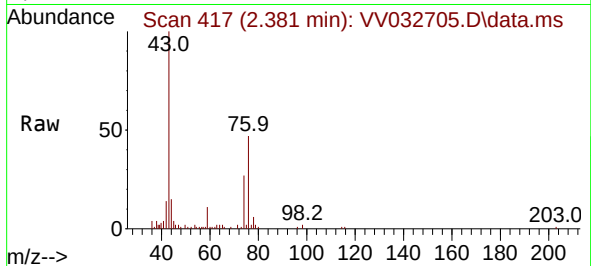




#15
Methyl Acetate
Concen: 3.717 ug/L
RT: 2.381 min Scan# 417
Delta R.T. -0.013 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

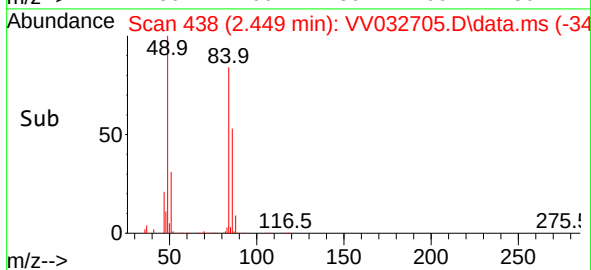
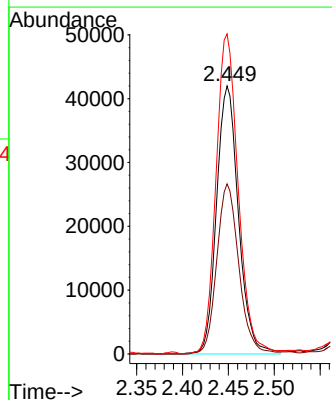
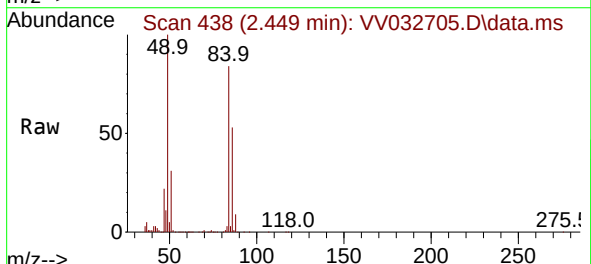
Instrument :
MSVOA_V
ClientSampleId :
A4939MSD

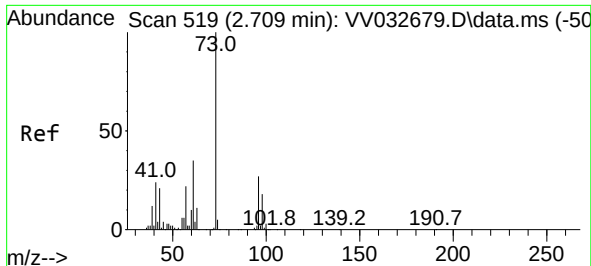
Tgt Ion: 43 Resp: 18625
Ion Ratio Lower Upper
43 100
74 27.2 23.1 34.7



#16
Methylene chloride
Concen: 4.444 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

Tgt Ion: 84 Resp: 69875
Ion Ratio Lower Upper
84 100
86 63.5 44.8 83.2
49 119.4 81.1 150.5

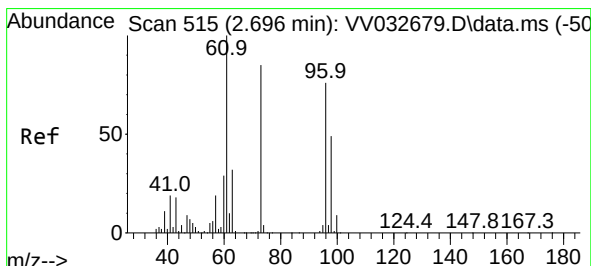
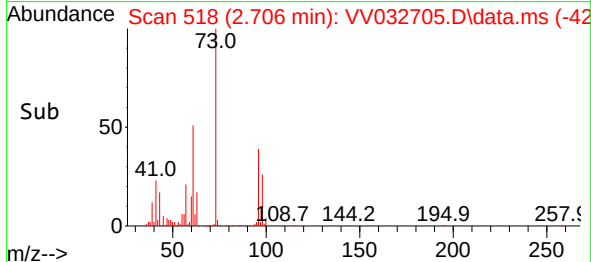
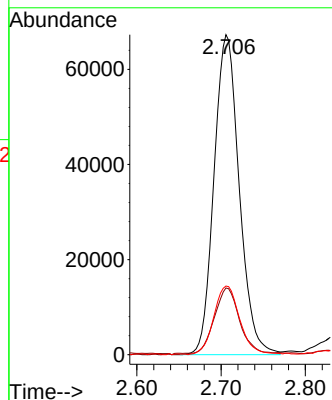
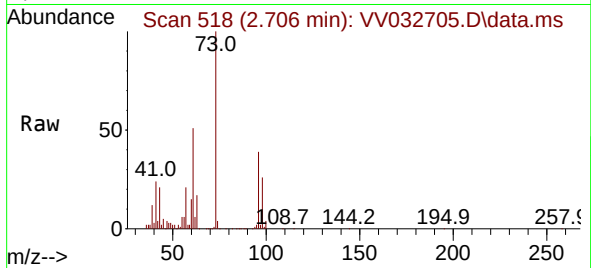




#17
Methyl tert-butyl Ether
Concen: 5.066 ug/L
RT: 2.706 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

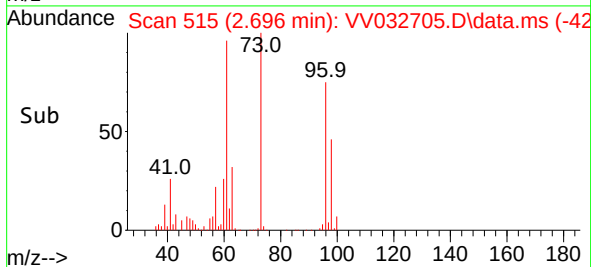
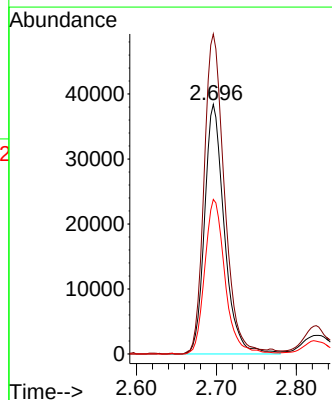
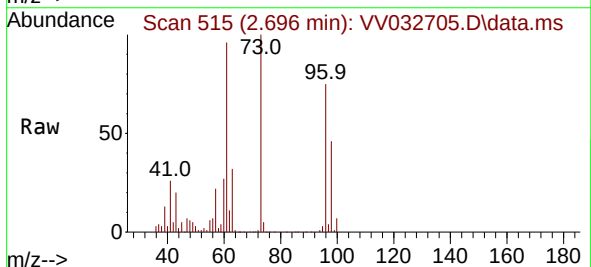
Instrument :
MSVOA_V
ClientSampleId :
A4939MSD

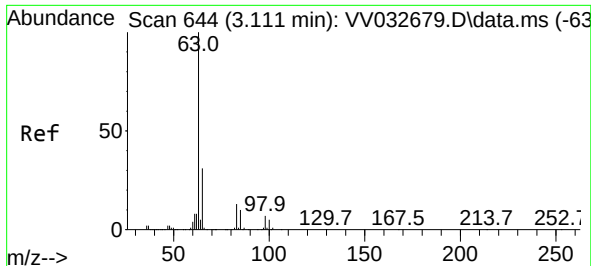
Tgt Ion: 73 Resp: 139719
Ion Ratio Lower Upper
73 100
43 20.0 16.6 24.8
57 22.1 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 5.232 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

Tgt Ion: 96 Resp: 66091
Ion Ratio Lower Upper
96 100
61 128.2 88.7 164.7
98 61.9 44.4 82.4

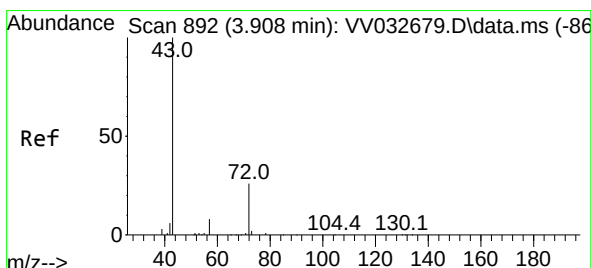
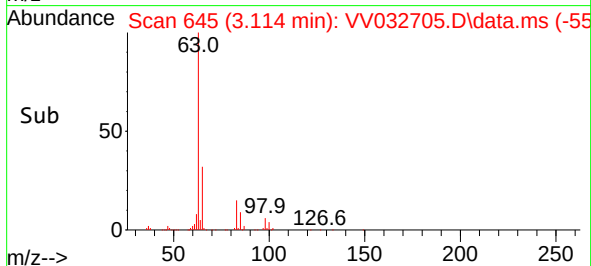
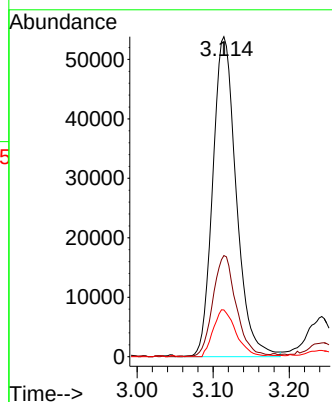
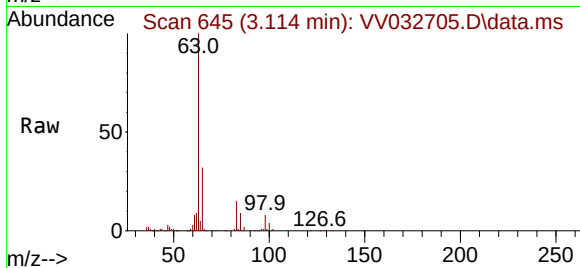




#19
1,1-Dichloroethane
Concen: 5.169 ug/L
RT: 3.114 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

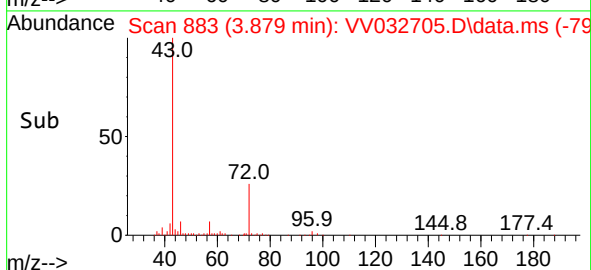
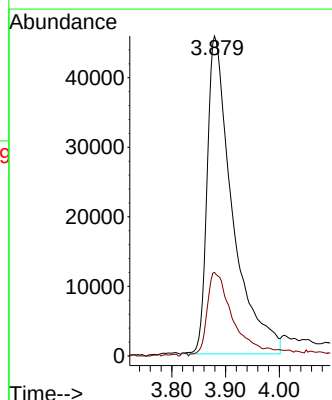
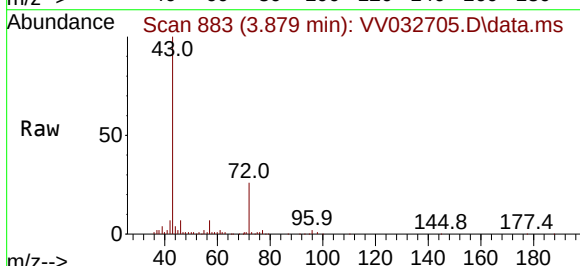
Instrument :
MSVOA_V
ClientSampleId :
A4939MSD

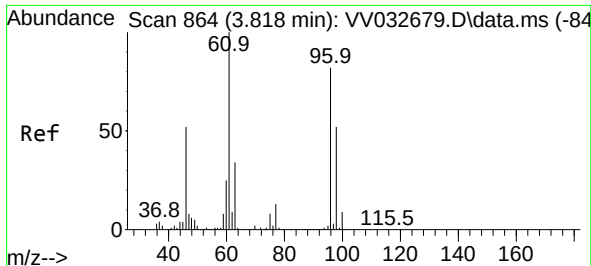
Tgt Ion: 63 Resp: 115768
Ion Ratio Lower Upper
63 100
65 31.6 21.5 39.9
83 14.6 9.2 17.0



#21
2-Butanone
Concen: 45.003 ug/L
RT: 3.879 min Scan# 883
Delta R.T. -0.029 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

Tgt Ion: 43 Resp: 148886
Ion Ratio Lower Upper
43 100
72 26.3 10.4 31.2

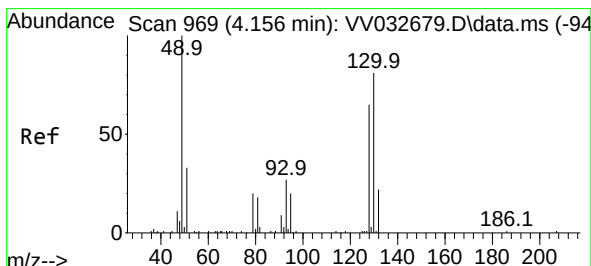
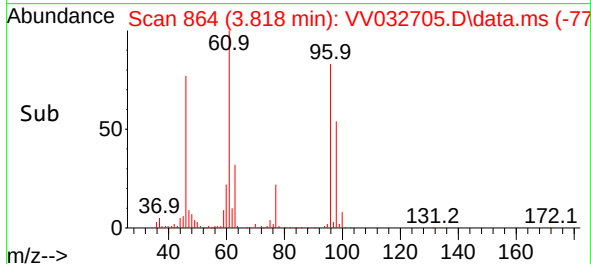
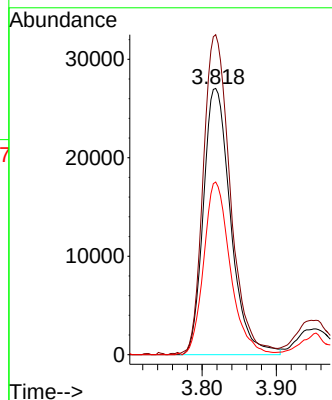
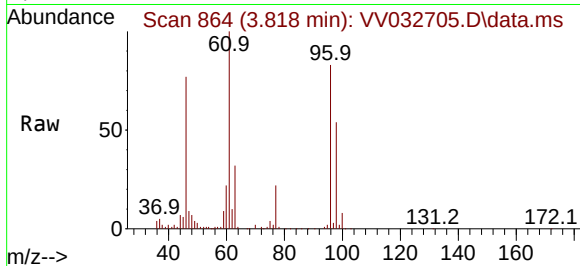




#22
 cis-1,2-Dichloroethene
 Concen: 5.377 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VV032705.D
 Acq: 27 Oct 2023 23:48

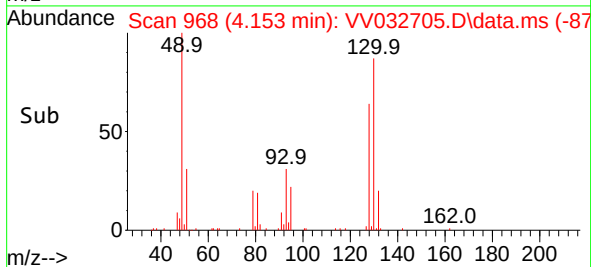
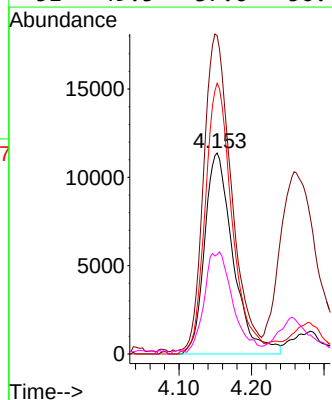
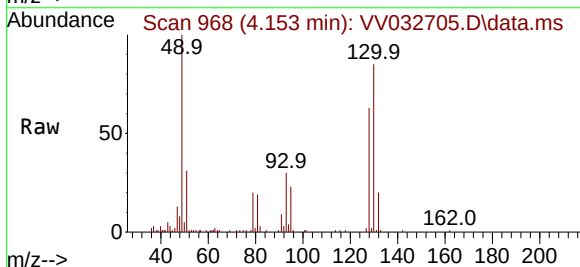
Instrument :
 MSVOA_V
 ClientSampleId :
 A4939MSD

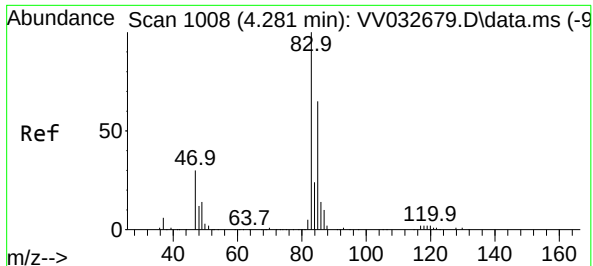
Tgt Ion: 96 Resp: 68868
 Ion Ratio Lower Upper
 96 100
 61 120.2 87.7 162.9
 98 64.9 45.0 83.6



#23
 Bromochloromethane
 Concen: 5.206 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.003 min
 Lab File: VV032705.D
 Acq: 27 Oct 2023 23:48

Tgt Ion: 128 Resp: 31017
 Ion Ratio Lower Upper
 128 100
 49 158.4 110.4 205.0
 130 134.8 86.8 161.2
 51 49.5 37.6 56.4





#25

Chloroform

Concen: 5.299 ug/L

RT: 4.278 min Scan# 1008

Delta R.T. -0.003 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

Instrument :

MSVOA_V

ClientSampleId :

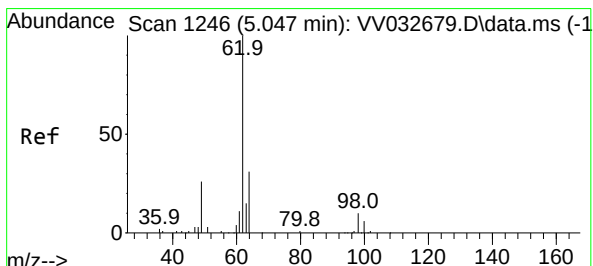
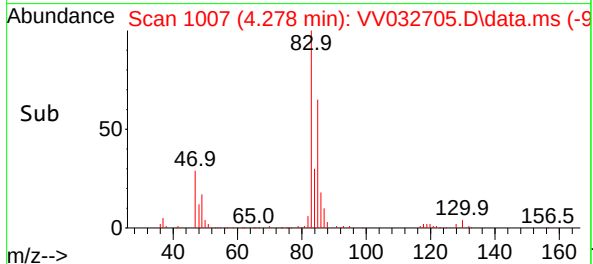
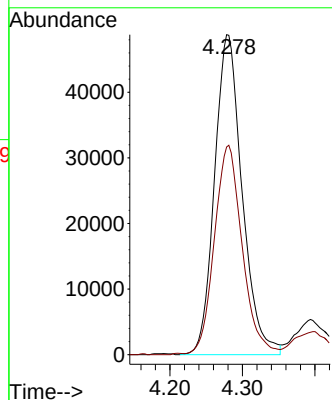
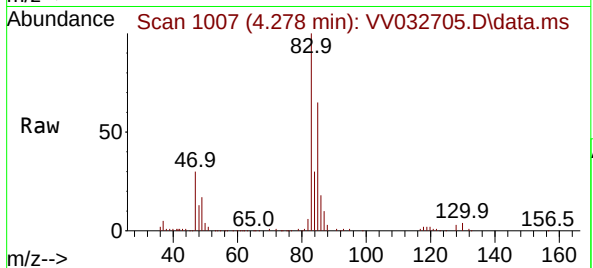
A4939MSD

Tgt Ion: 83 Resp: 129009

Ion Ratio Lower Upper

83 100

85 64.9 45.7 84.9



#27

1,2-Dichloroethane

Concen: 5.085 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV032705.D

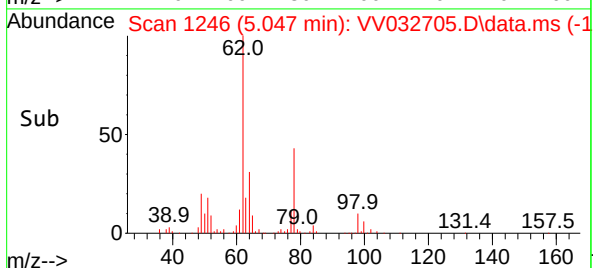
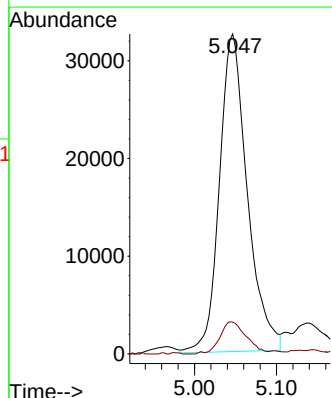
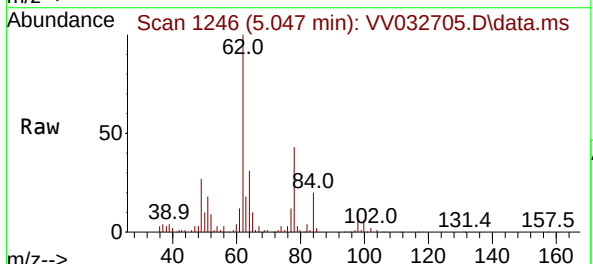
Acq: 27 Oct 2023 23:48

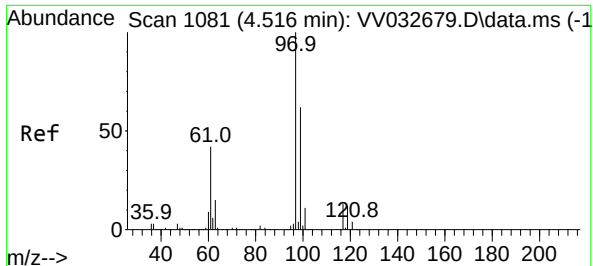
Tgt Ion: 62 Resp: 76956

Ion Ratio Lower Upper

62 100

98 10.0 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 5.057 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

Instrument :

MSVOA_V

ClientSampleId :

A4939MSD

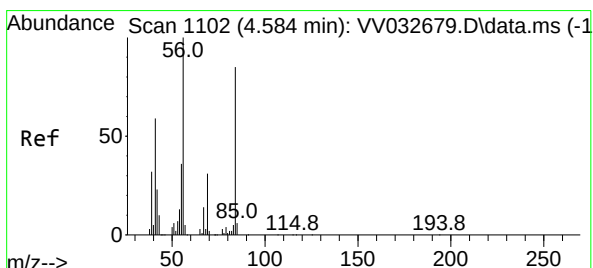
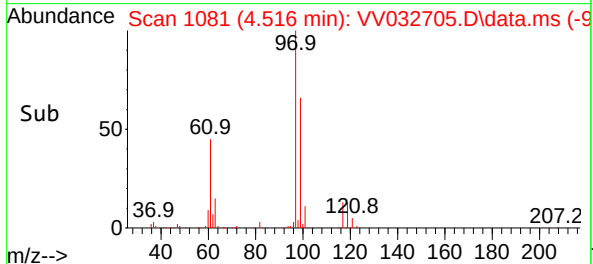
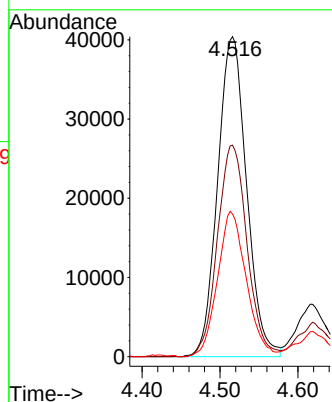
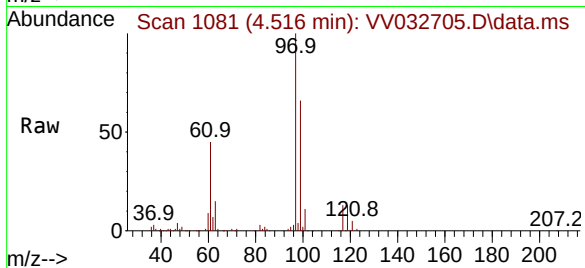
Tgt Ion: 97 Resp: 104481

Ion Ratio Lower Upper

97 100

99 67.6 51.4 77.0

61 45.1 36.1 54.1



#30

Cyclohexane

Concen: 5.008 ug/L

RT: 4.583 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

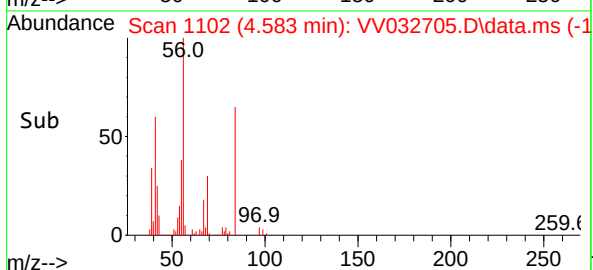
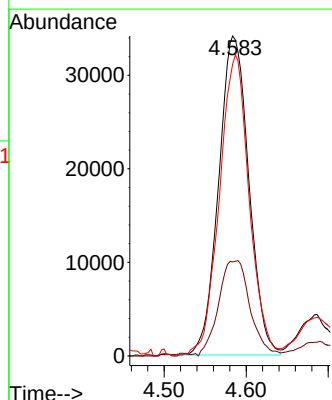
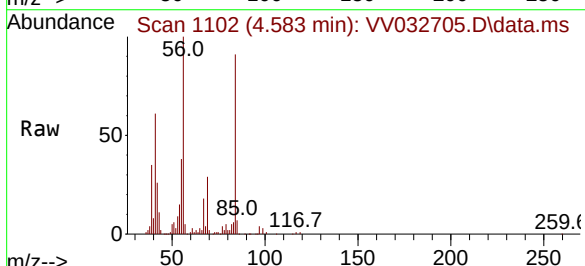
Tgt Ion: 56 Resp: 87214

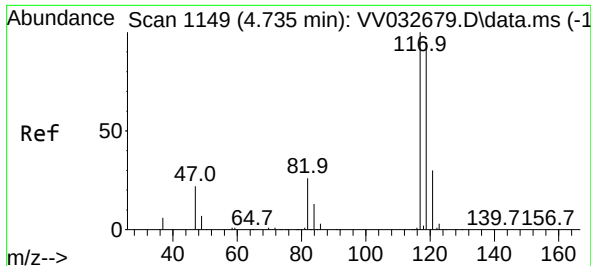
Ion Ratio Lower Upper

56 100

69 29.8 25.0 37.6

84 93.1 72.9 109.3

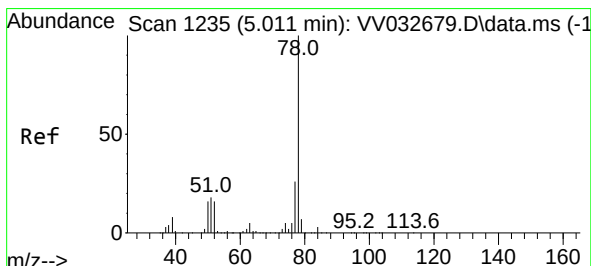
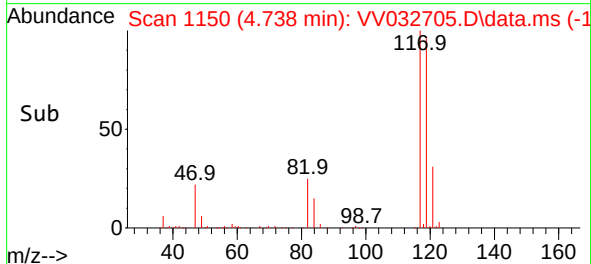
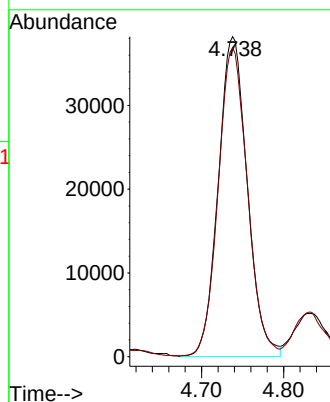
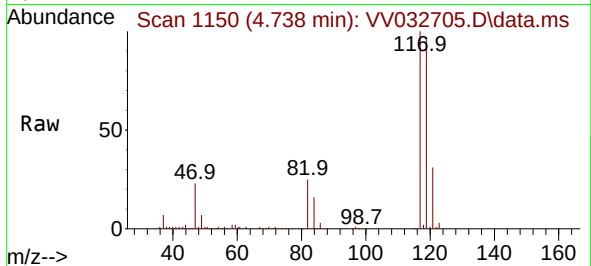




#31
Carbon tetrachloride
Concen: 5.223 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

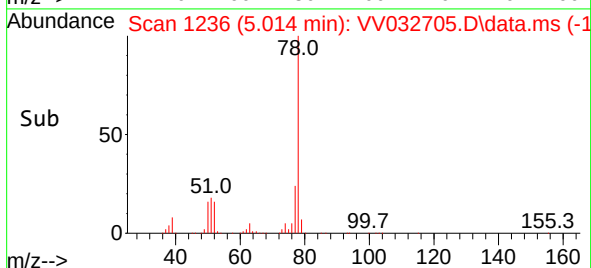
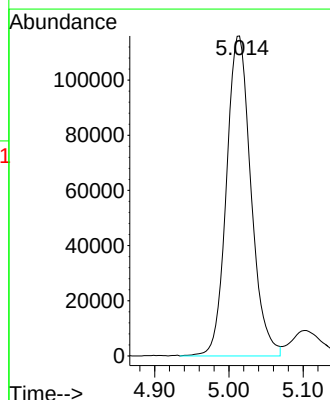
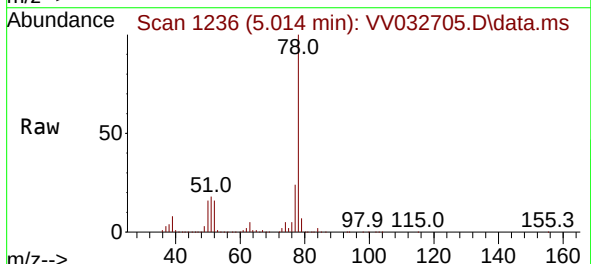
Instrument :
MSVOA_V
ClientSampleId :
A4939MSD

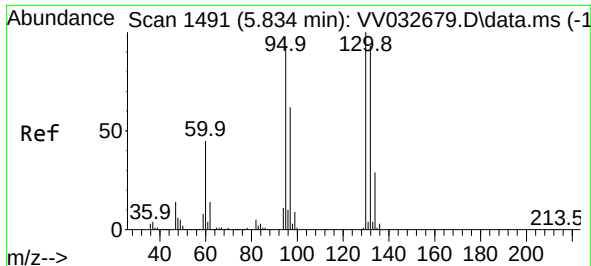
Tgt Ion:117 Resp: 93883
Ion Ratio Lower Upper
117 100
119 96.6 77.8 116.6



#33
Benzene
Concen: 5.277 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

Tgt Ion: 78 Resp: 266475



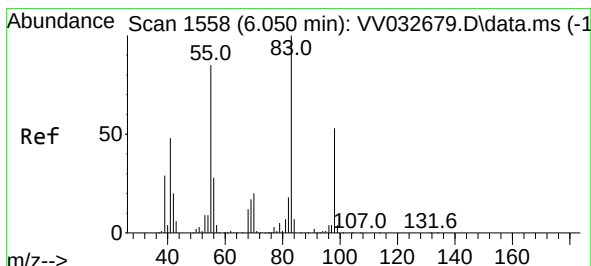
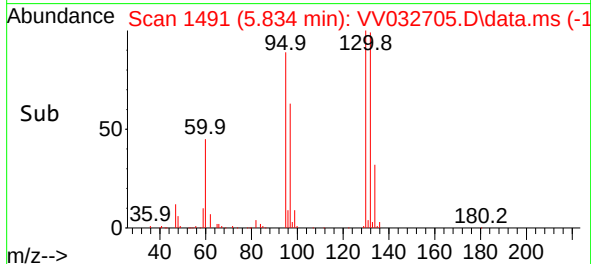
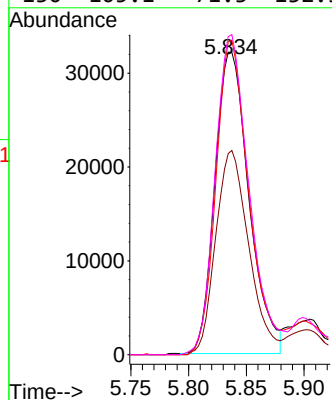
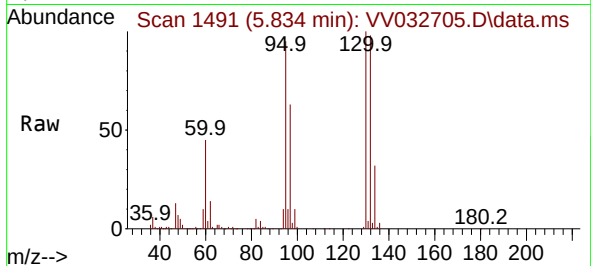


#34
Trichloroethene
Concen: 4.886 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

Instrument :
MSVOA_V
ClientSampleId :
A4939MSD

Tgt Ion: 95 Resp: 65906

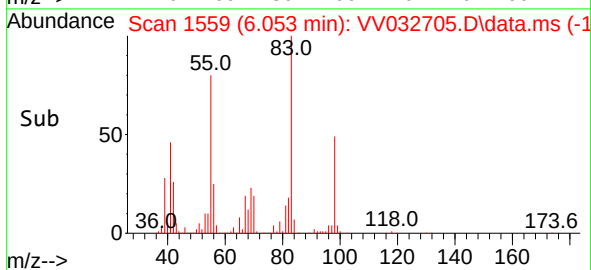
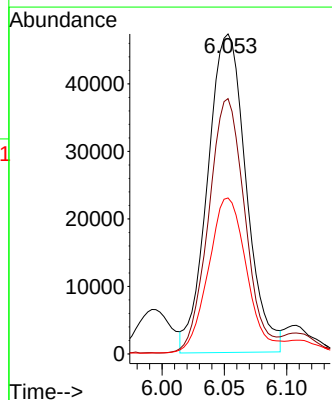
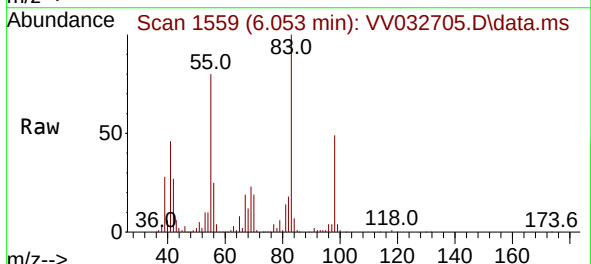
Ion	Ratio	Lower	Upper
95	100		
97	66.5	44.0	81.8
132	103.4	66.9	124.3
130	105.1	71.3	132.3

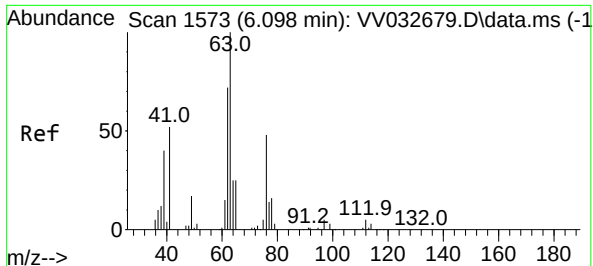


#35
Methylcyclohexane
Concen: 5.038 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

Tgt Ion: 83 Resp: 101550

Ion	Ratio	Lower	Upper
83	100		
55	75.3	59.6	89.4
98	48.7	39.1	58.7





#37

1,2-Dichloropropane

Concen: 5.122 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

Instrument :

MSVOA_V

ClientSampleId :

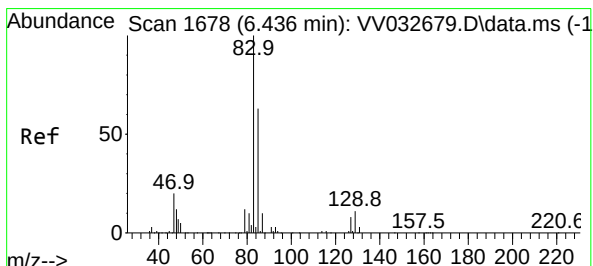
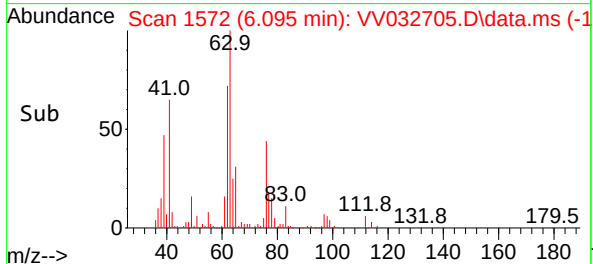
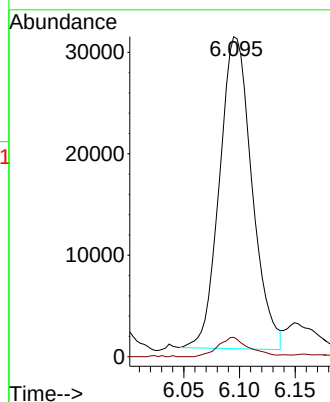
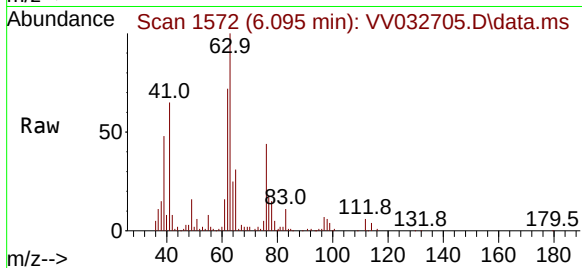
A4939MSD

Tgt Ion: 63 Resp: 62403

Ion Ratio Lower Upper

63 100

112 5.9 4.6 7.0



#38

Bromodichloromethane

Concen: 4.828 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

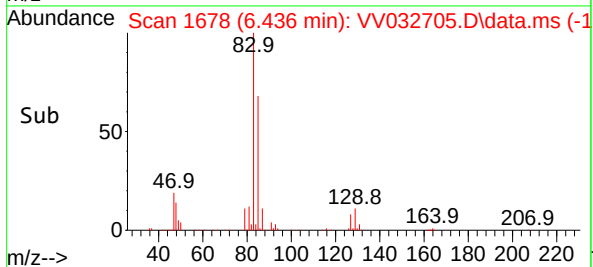
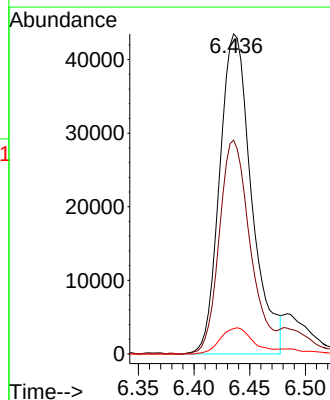
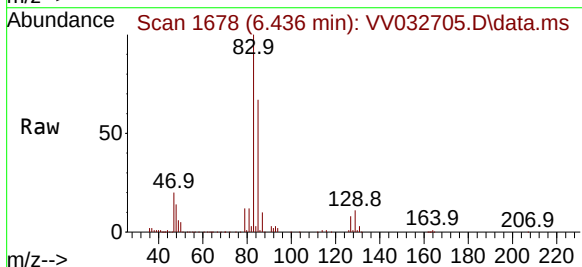
Tgt Ion: 83 Resp: 86902

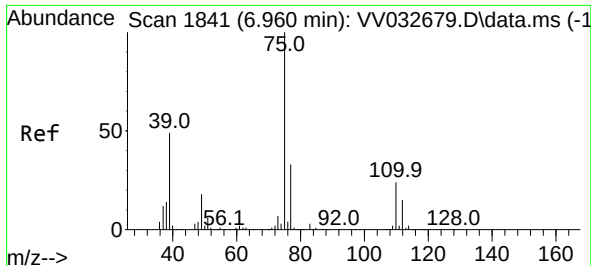
Ion Ratio Lower Upper

83 100

85 66.8 44.9 83.5

127 7.9 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.076 ug/L

RT: 6.956 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

Instrument :

MSVOA_V

ClientSampleId :

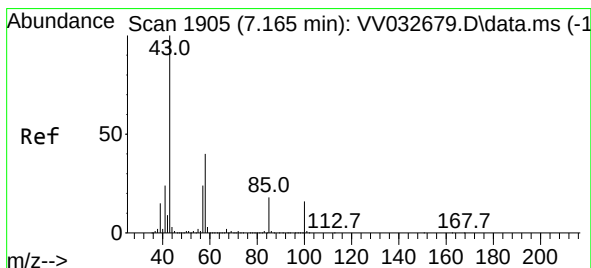
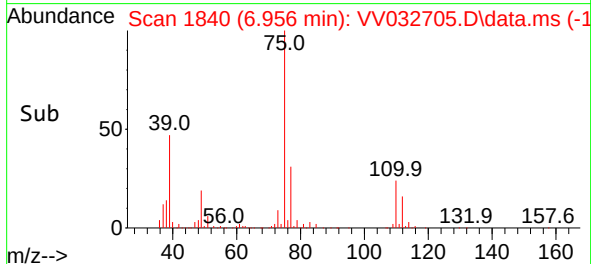
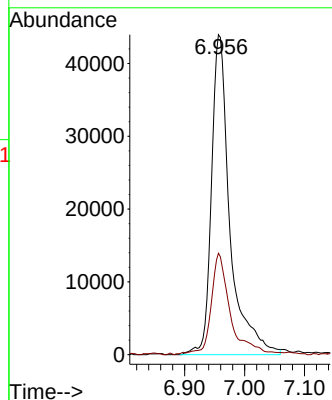
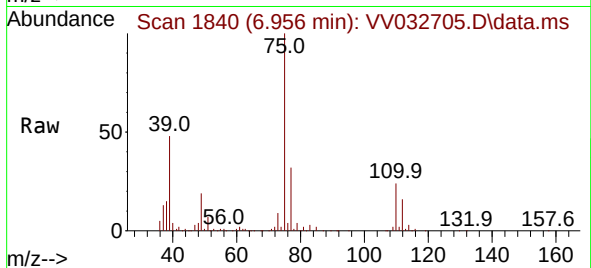
A4939MSD

Tgt Ion: 75 Resp: 94150

Ion Ratio Lower Upper

75 100

77 31.7 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 52.884 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

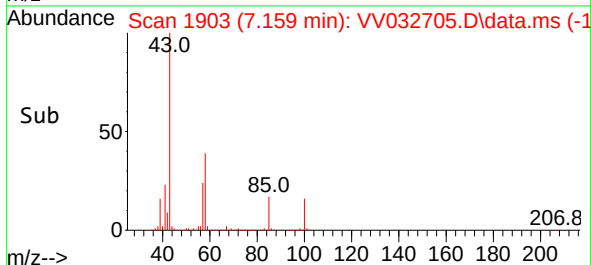
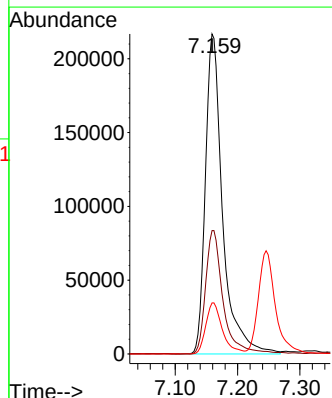
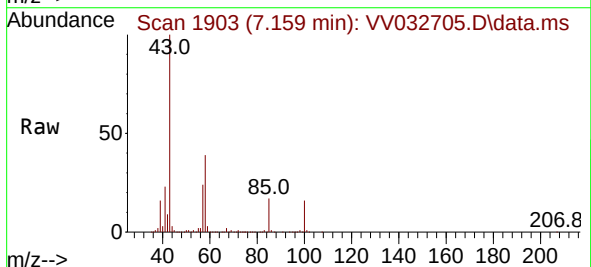
Tgt Ion: 43 Resp: 415739

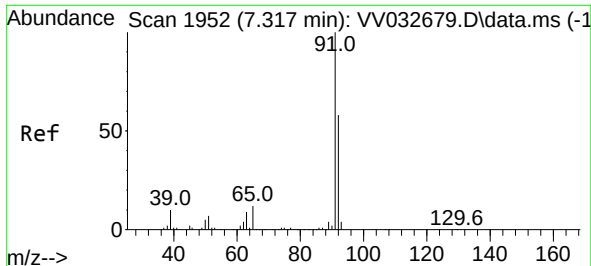
Ion Ratio Lower Upper

43 100

58 39.3 31.3 46.9

100 15.4 12.2 18.4

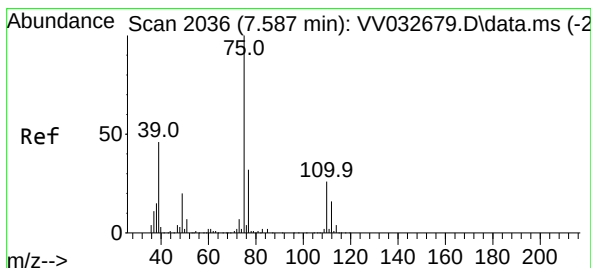
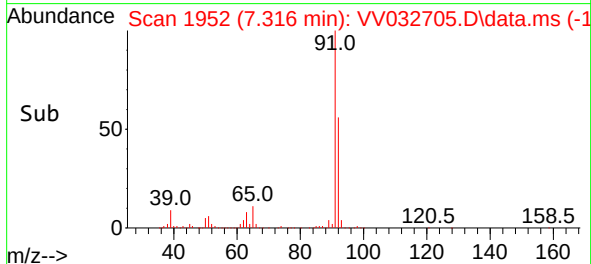
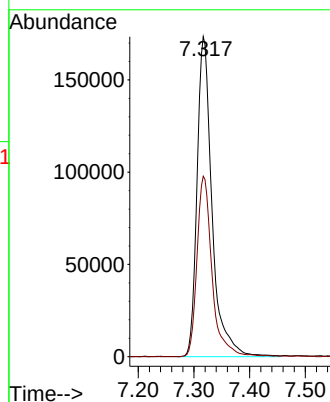
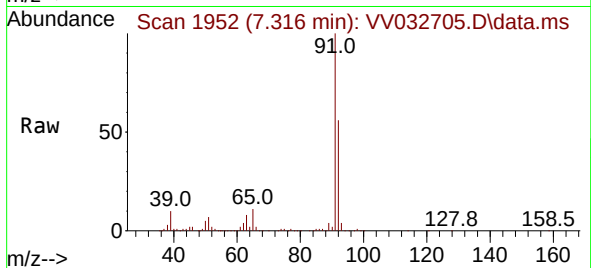




#42
Toluene
Concen: 5.534 ug/L
RT: 7.316 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

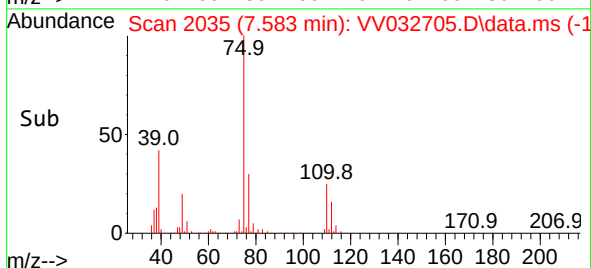
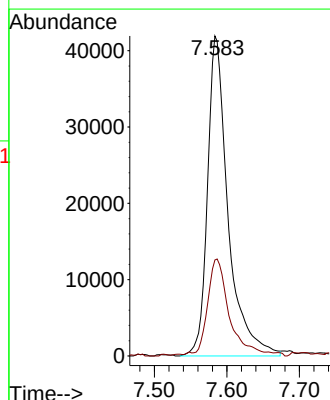
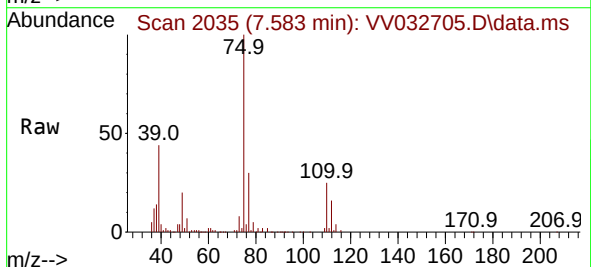
Instrument :
MSVOA_V
ClientSampleId :
A4939MSD

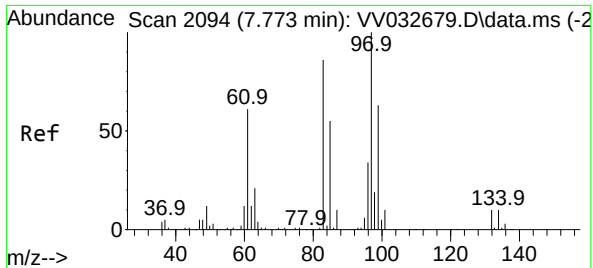
Tgt Ion: 91 Resp: 324661
Ion Ratio Lower Upper
91 100
92 56.4 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 5.181 ug/L
RT: 7.583 min Scan# 2035
Delta R.T. -0.003 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

Tgt Ion: 75 Resp: 82696
Ion Ratio Lower Upper
75 100
77 30.0 23.4 43.4





#45

1,1,2-Trichloroethane

Concen: 5.119 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. -0.000 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

Instrument :

MSVOA_V

ClientSampleId :

A4939MSD

Tgt Ion: 97 Resp: 52670

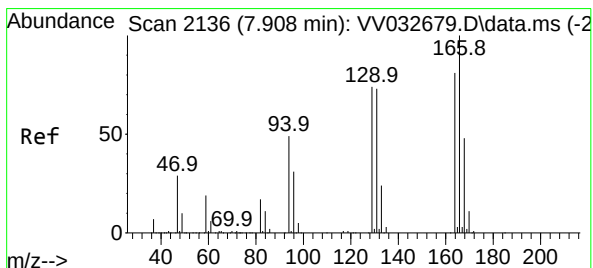
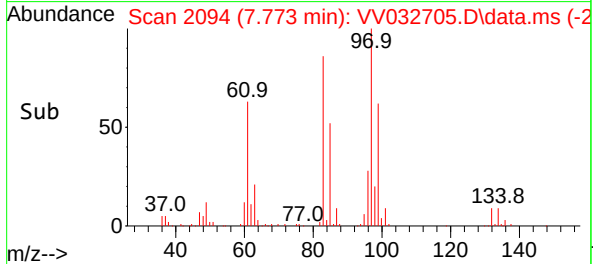
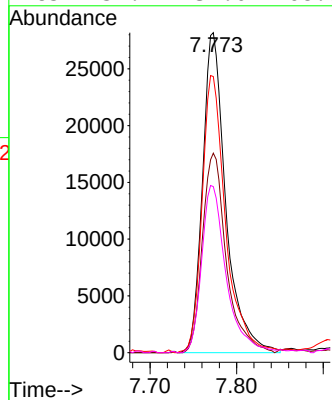
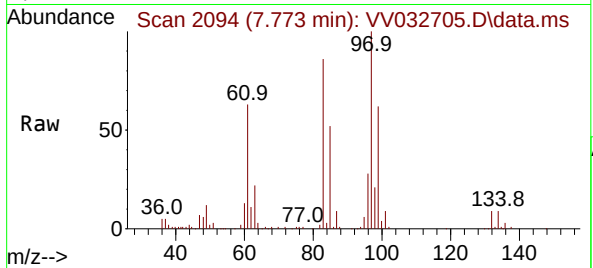
Ion Ratio Lower Upper

97 100

99 62.3 44.0 81.8

83 86.3 59.9 111.3

85 51.9 37.0 68.8



#47

Tetrachloroethene

Concen: 5.213 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

Tgt Ion:164 Resp: 62138

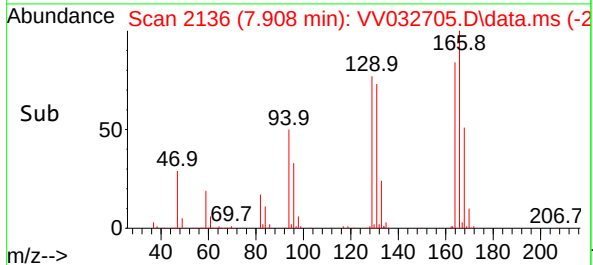
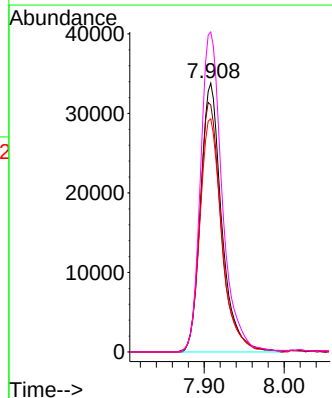
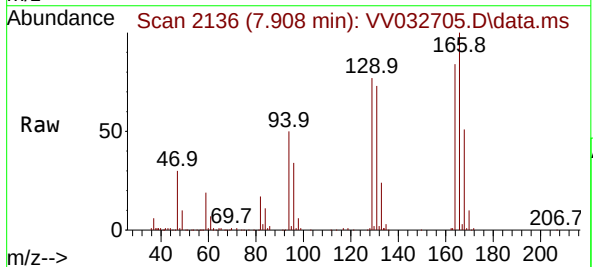
Ion Ratio Lower Upper

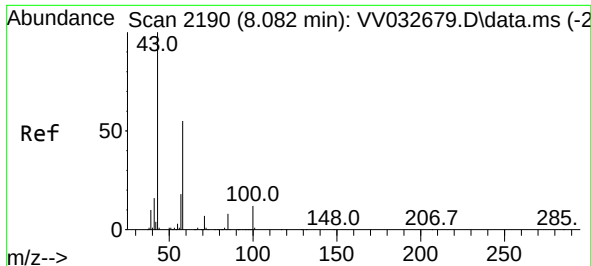
164 100

129 91.9 65.3 121.3

131 86.7 66.6 123.8

166 119.0 91.6 170.2



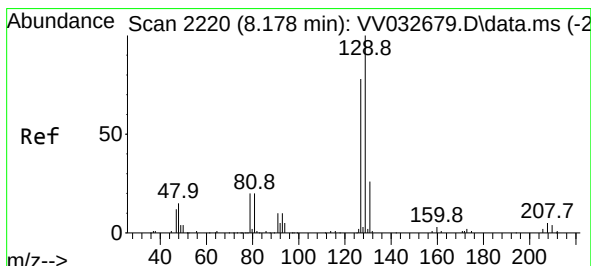
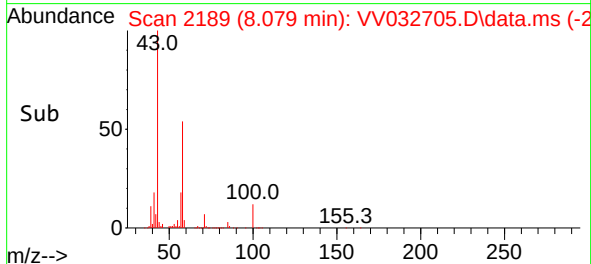
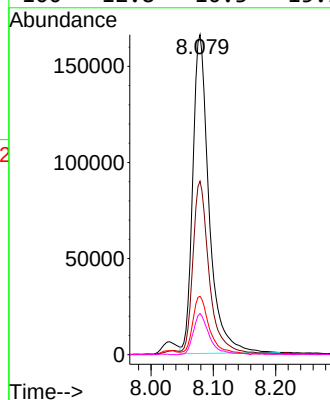
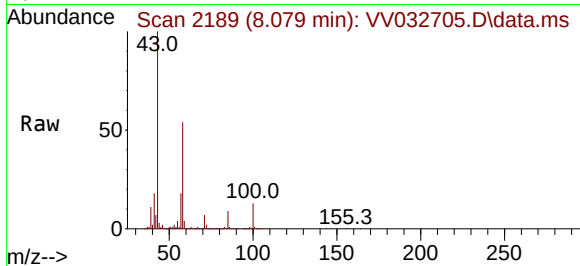


#48
2-Hexanone
Concen: 52.350 ug/L
RT: 8.079 min Scan# 2190
Delta R.T. -0.003 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

Instrument :
MSVOA_V
ClientSampleId :
A4939MSD

Tgt Ion: 43 Resp: 301006

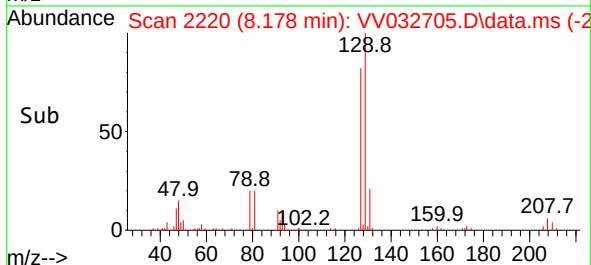
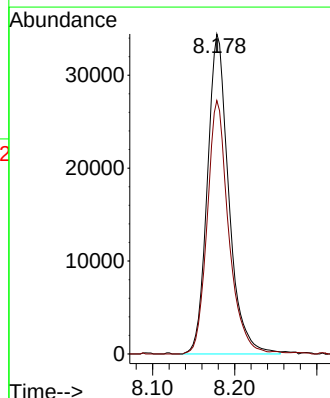
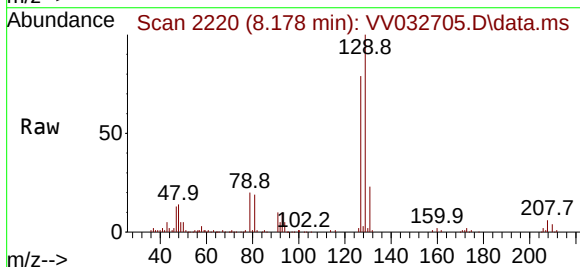
Ion	Ratio	Lower	Upper
43	100		
58	54.7	43.8	65.6
57	19.2	15.1	22.7
100	12.8	10.3	15.5

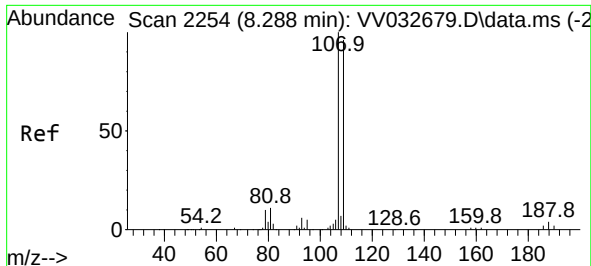


#49
Dibromochloromethane
Concen: 5.125 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

Tgt Ion: 129 Resp: 62560

Ion	Ratio	Lower	Upper
129	100		
127	79.2	54.0	100.4





#50

1,2-Dibromoethane

Concen: 5.260 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

Instrument :

MSVOA_V

ClientSampleId :

A4939MSD

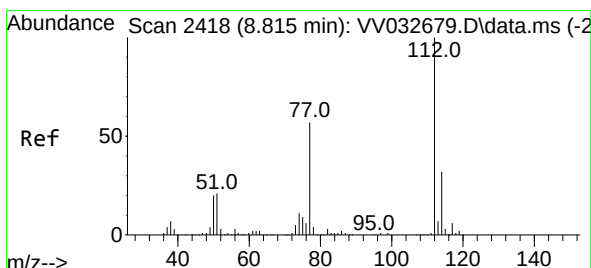
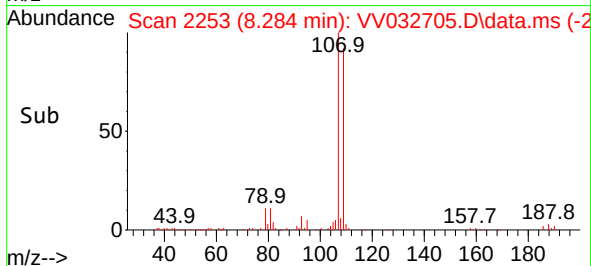
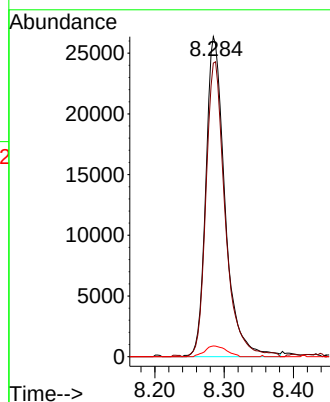
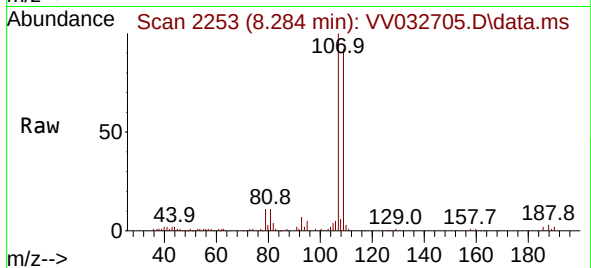
Tgt Ion:107 Resp: 50507

Ion Ratio Lower Upper

107 100

109 91.7 66.4 123.4

188 3.4 2.9 4.3



#51

Chlorobenzene

Concen: 5.152 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. -0.000 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

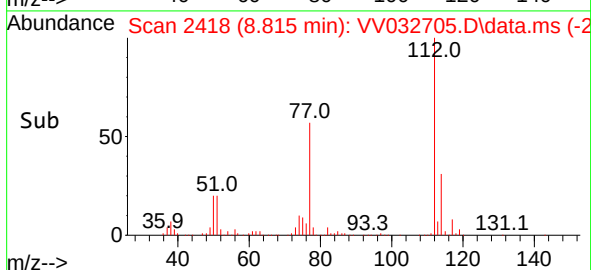
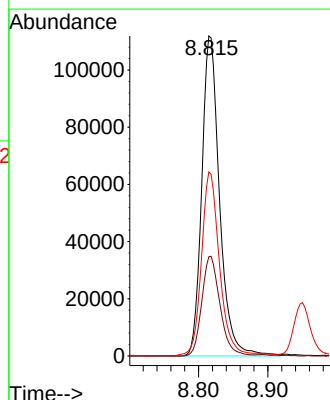
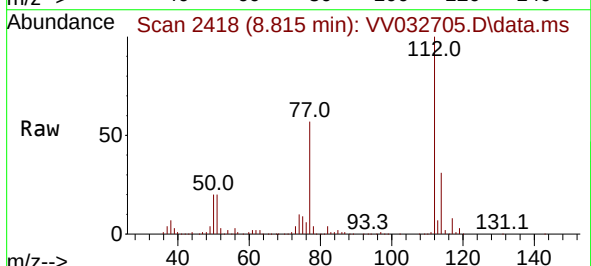
Tgt Ion:112 Resp: 199674

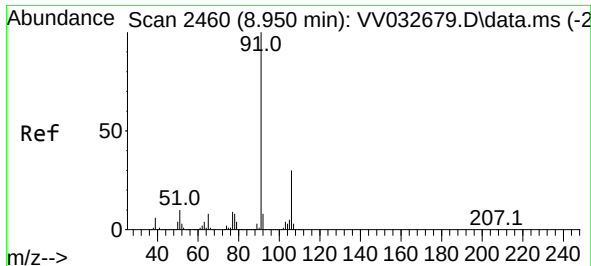
Ion Ratio Lower Upper

112 100

114 31.0 22.7 42.3

77 57.5 45.7 68.5





#52

Ethylbenzene

Concen: 5.324 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. -0.000 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

Instrument :

MSVOA_V

ClientSampleId :

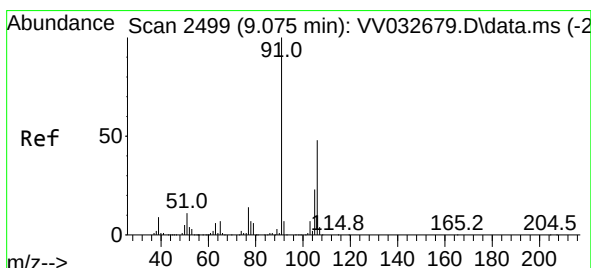
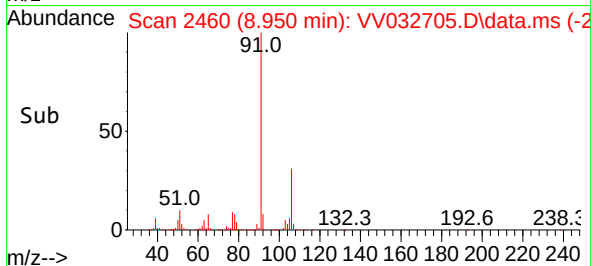
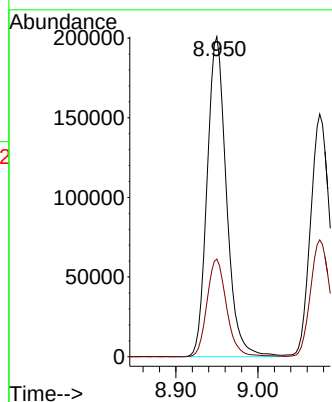
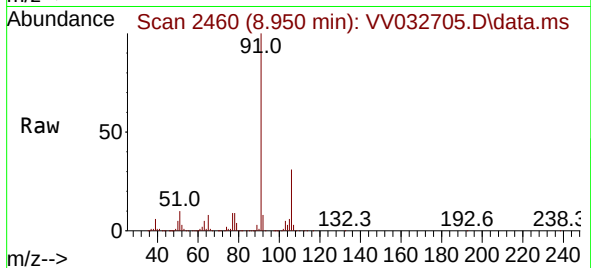
A4939MSD

Tgt Ion: 91 Resp: 328350

Ion Ratio Lower Upper

91 100

106 30.5 20.9 38.9



#53

m,p-Xylene

Concen: 5.356 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. -0.000 min

Lab File: VV032705.D

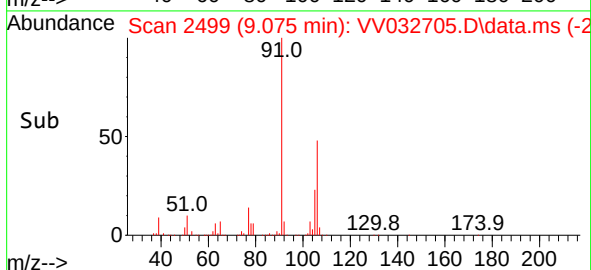
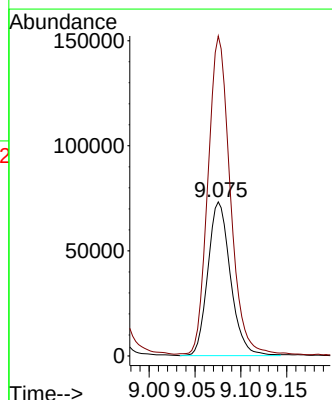
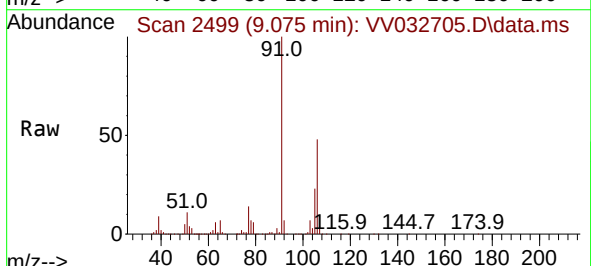
Acq: 27 Oct 2023 23:48

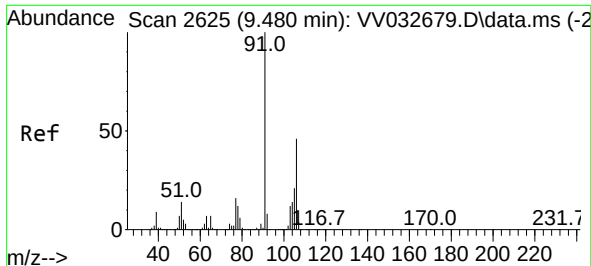
Tgt Ion: 106 Resp: 125066

Ion Ratio Lower Upper

106 100

91 207.7 139.3 258.7

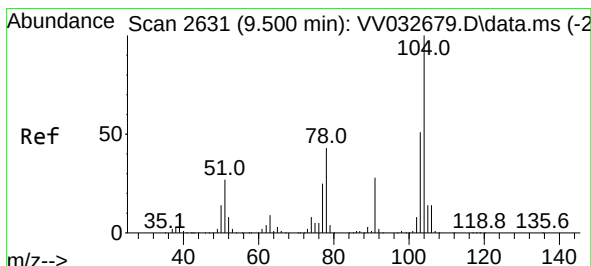
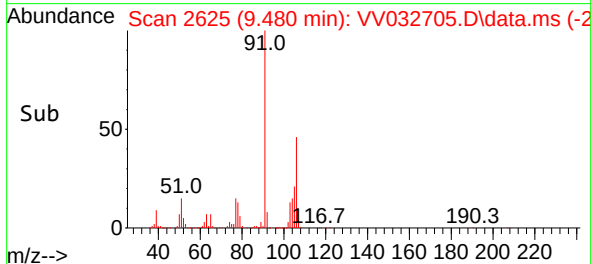
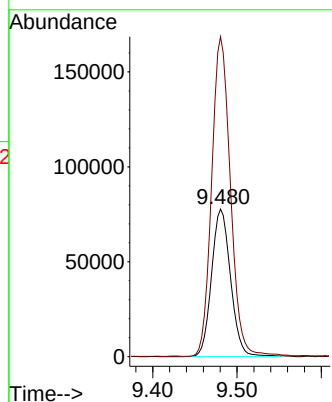
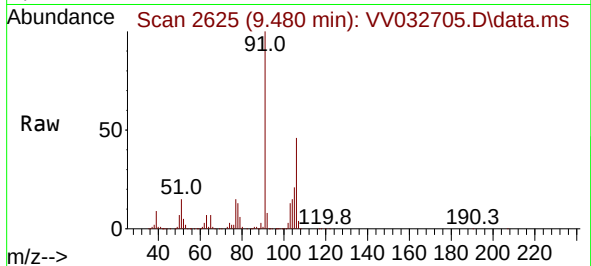




#54
o-Xylene
Concen: 5.395 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

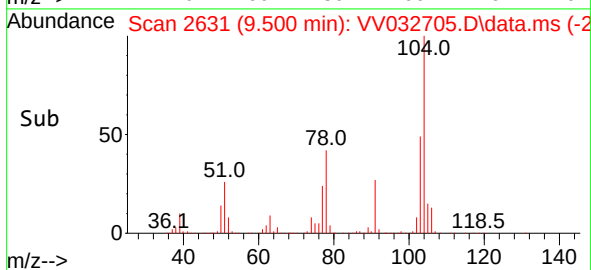
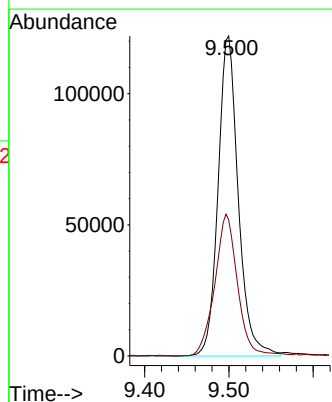
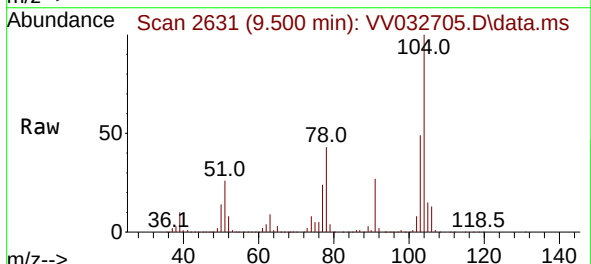
Instrument :
MSVOA_V
ClientSampleId :
A4939MSD

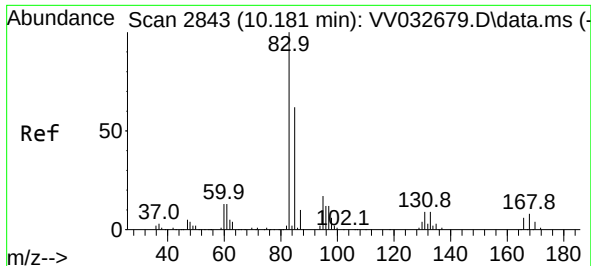
Tgt Ion:106 Resp: 122193
Ion Ratio Lower Upper
106 100
91 216.6 147.4 273.8



#55
Styrene
Concen: 5.406 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

Tgt Ion:104 Resp: 202859
Ion Ratio Lower Upper
104 100
78 42.6 30.5 56.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.161 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

Instrument :

MSVOA_V

ClientSampleId :

A4939MSD

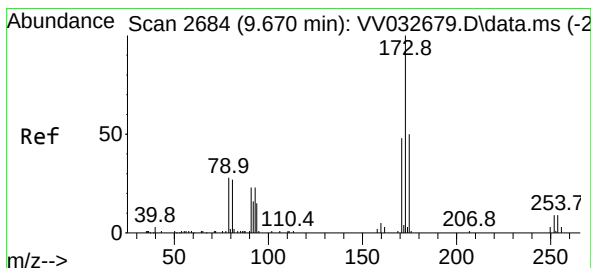
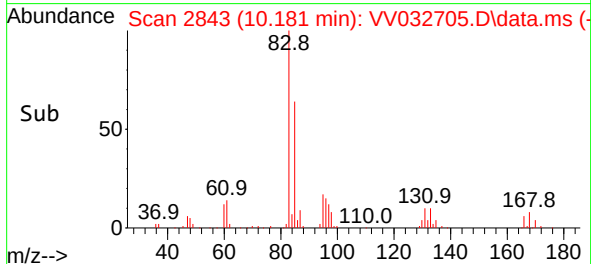
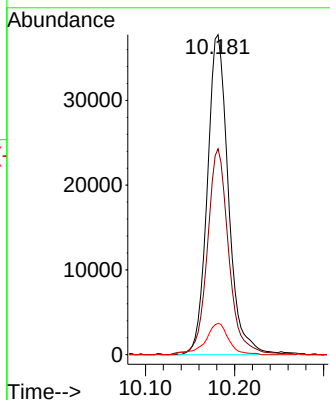
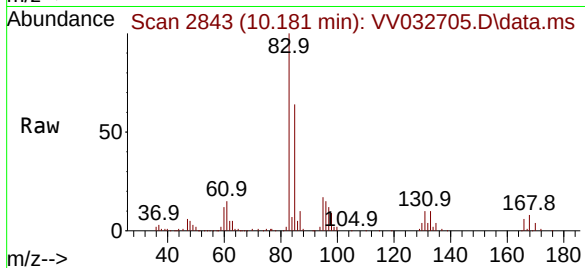
Tgt Ion: 83 Resp: 61950

Ion Ratio Lower Upper

83 100

85 64.3 44.0 81.8

131 9.8 7.8 11.8



#59

Bromoform

Concen: 5.029 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. -0.003 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

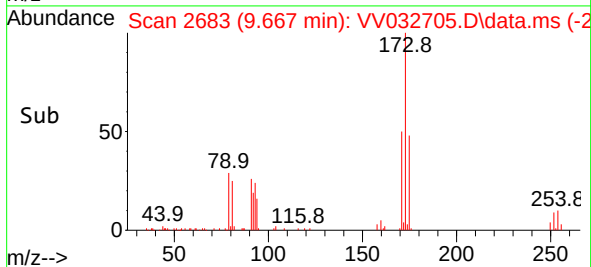
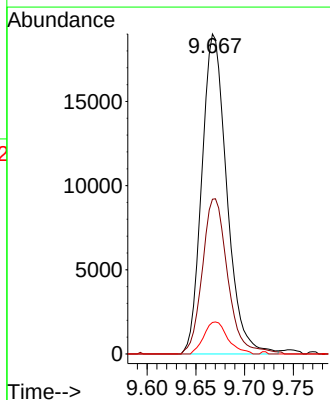
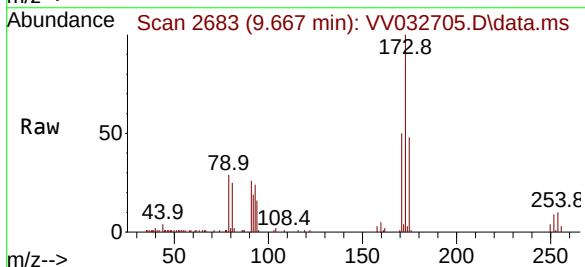
Tgt Ion: 173 Resp: 33843

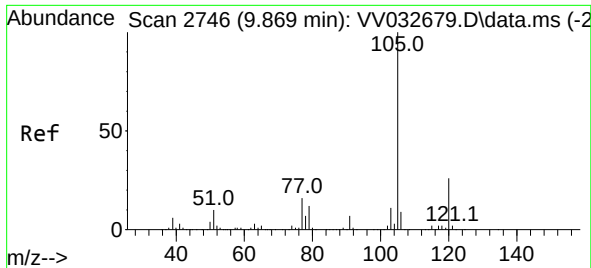
Ion Ratio Lower Upper

173 100

175 49.5 38.4 57.6

254 9.6 6.9 10.3

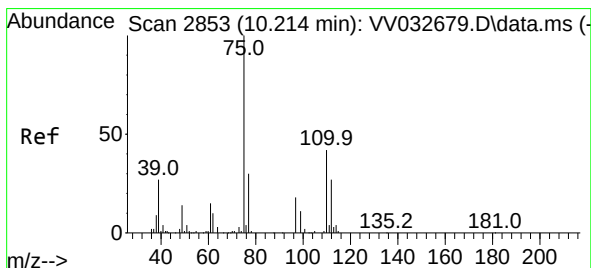
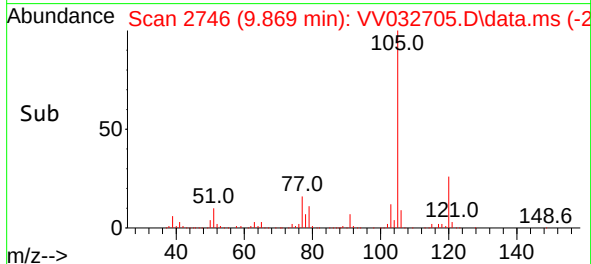
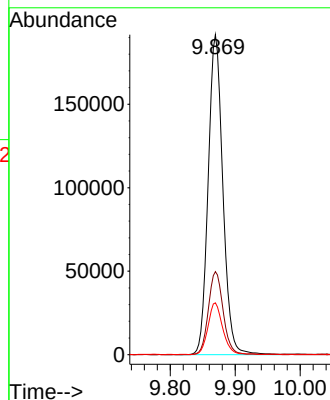
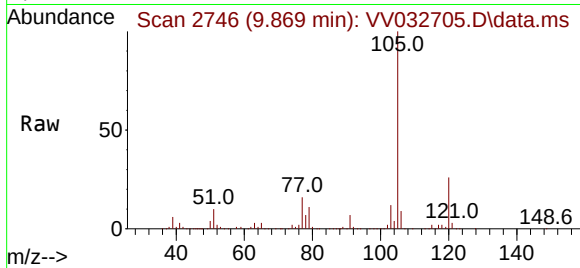




#60
Isopropylbenzene
Concen: 5.177 ug/L
RT: 9.869 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

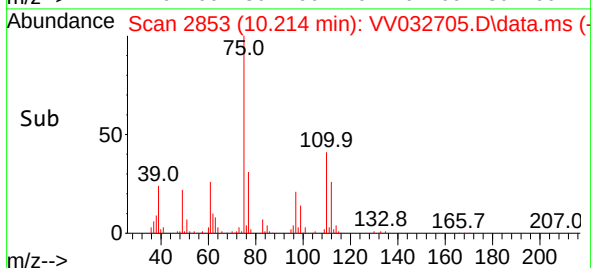
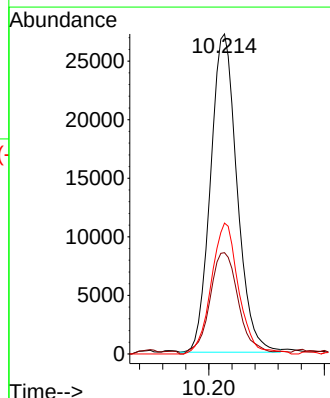
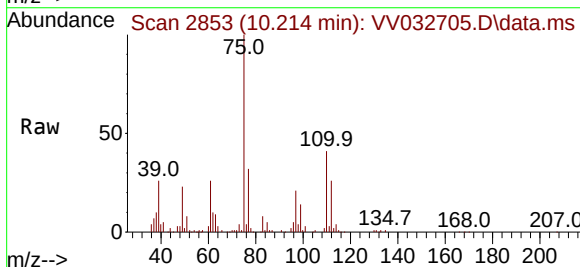
Instrument :
MSVOA_V
ClientSampleId :
A4939MSD

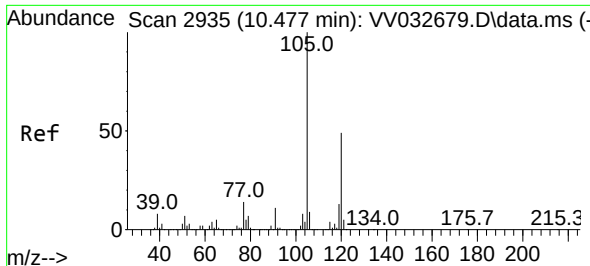
Tgt Ion:	105	Resp:	301390
Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.0	31.6
77	16.1	12.6	19.0



#61
1,2,3-Trichloropropane
Concen: 4.767 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

Tgt Ion:	75	Resp:	43246
Ion	Ratio	Lower	Upper
75	100		
77	34.3	24.5	36.7
110	42.4	32.3	48.5

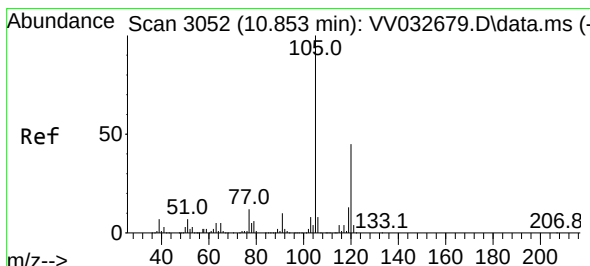
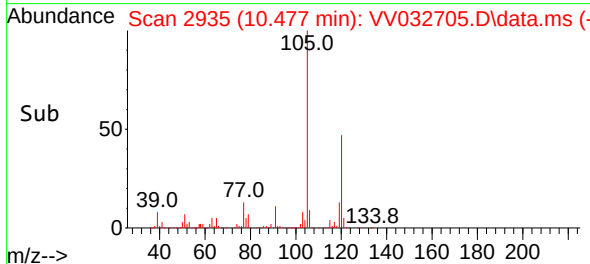
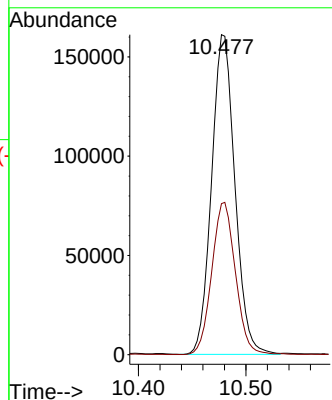
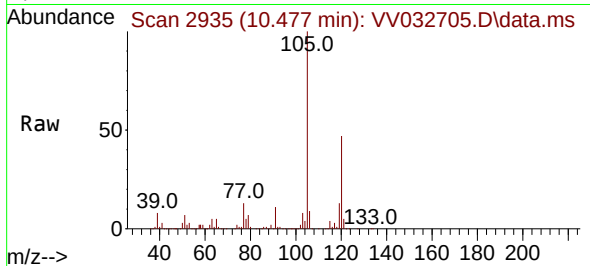




#62
 1,3,5-Trimethylbenzene
 Concen: 5.107 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VV032705.D
 Acq: 27 Oct 2023 23:48

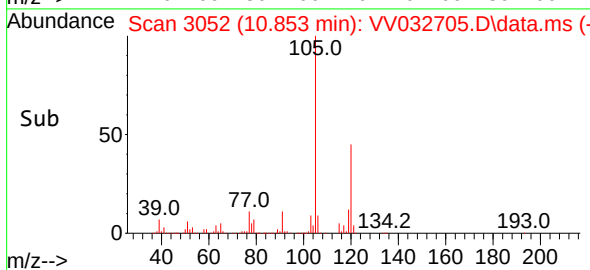
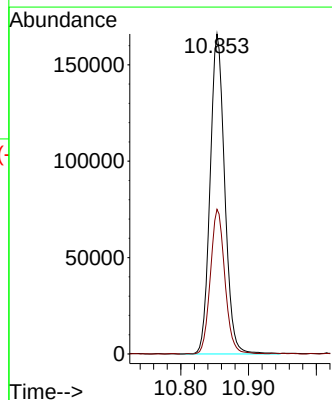
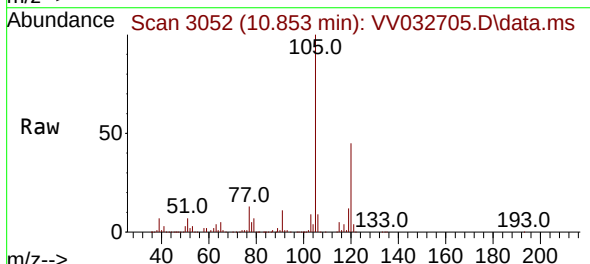
Instrument :
 MSVOA_V
 ClientSampleId :
 A4939MSD

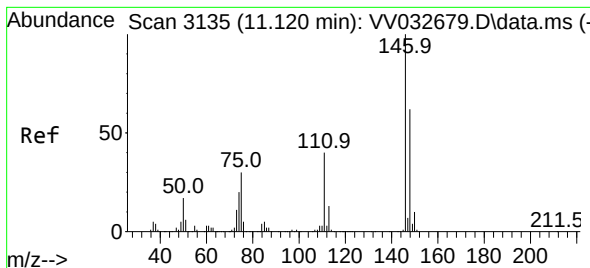
Tgt Ion:105 Resp: 243051
 Ion Ratio Lower Upper
 105 100
 120 48.2 39.4 59.2



#63
 1,2,4-Trimethylbenzene
 Concen: 5.281 ug/L
 RT: 10.853 min Scan# 3052
 Delta R.T. 0.000 min
 Lab File: VV032705.D
 Acq: 27 Oct 2023 23:48

Tgt Ion:105 Resp: 248359
 Ion Ratio Lower Upper
 105 100
 120 44.9 36.9 55.3





#64

1,3-Dichlorobenzene

Concen: 5.138 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. -0.000 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

Instrument :

MSVOA_V

ClientSampleId :

A4939MSD

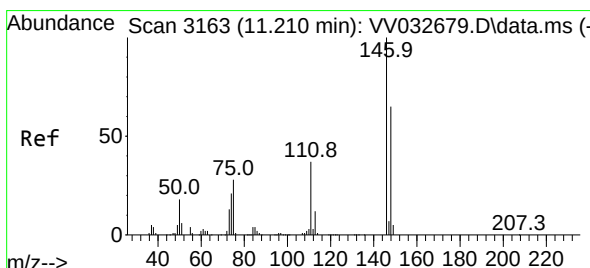
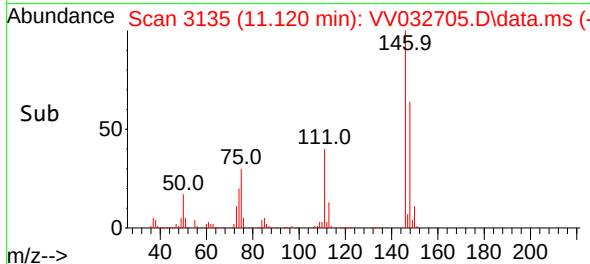
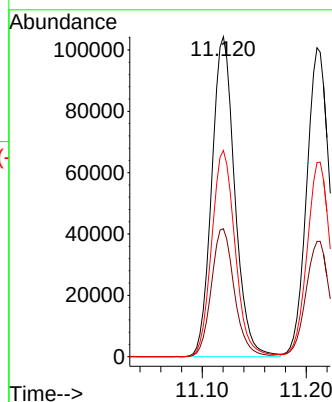
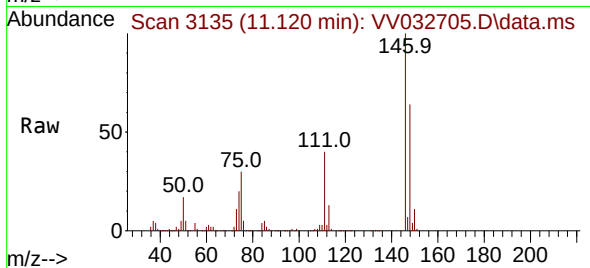
Tgt Ion:146 Resp: 160486

Ion Ratio Lower Upper

146 100

111 40.0 26.8 49.8

148 64.4 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 5.072 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

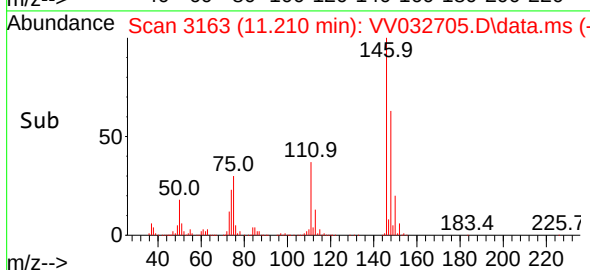
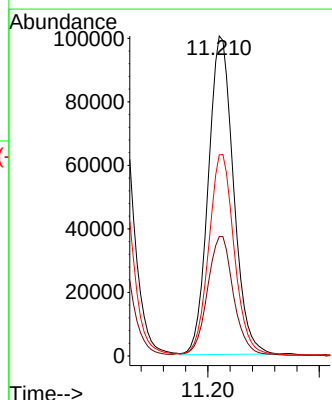
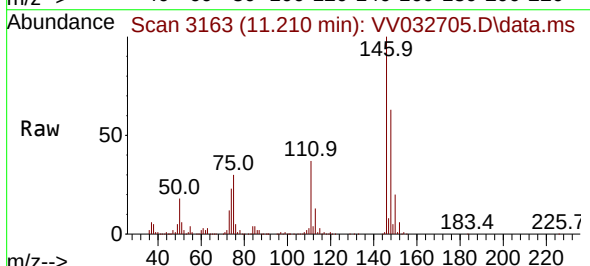
Tgt Ion:146 Resp: 157277

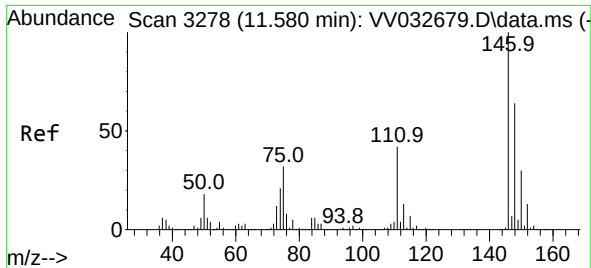
Ion Ratio Lower Upper

146 100

111 37.3 26.2 48.8

148 62.8 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.287 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

Instrument :

MSVOA_V

ClientSampleId :

A4939MSD

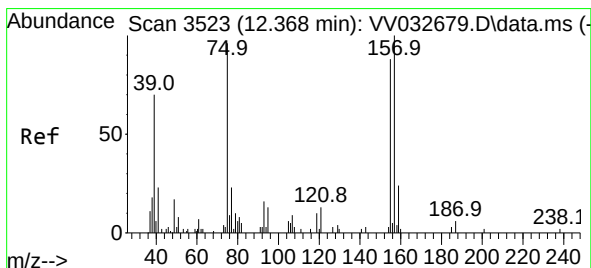
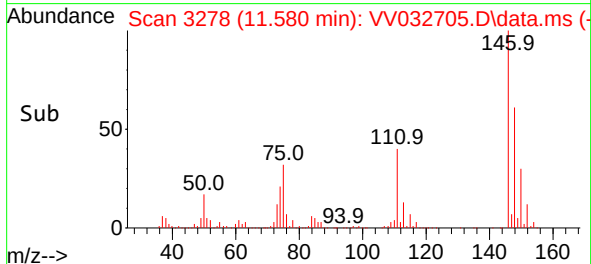
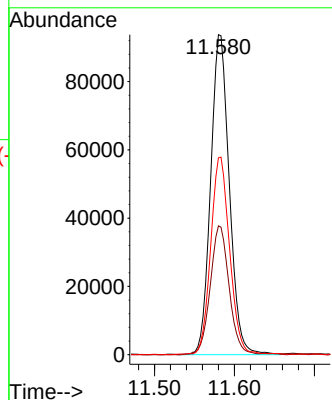
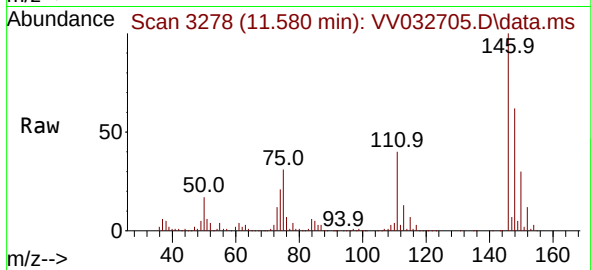
Tgt Ion:146 Resp: 151885

Ion Ratio Lower Upper

146 100

111 40.3 34.2 51.4

148 61.5 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.104 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

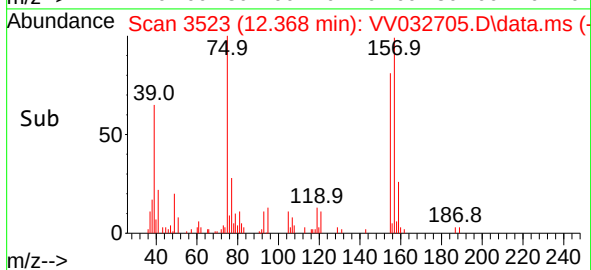
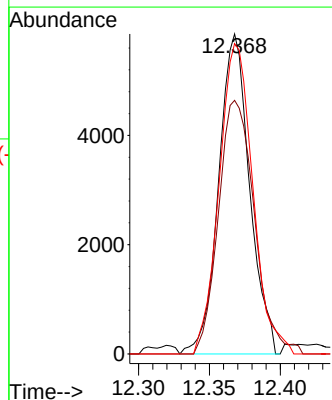
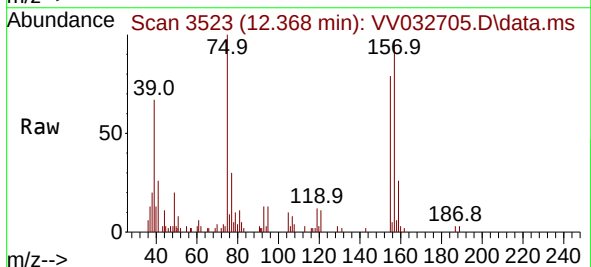
Tgt Ion: 75 Resp: 8898

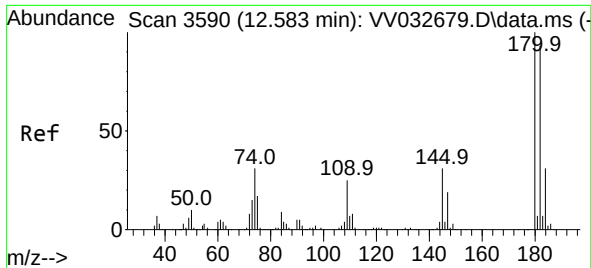
Ion Ratio Lower Upper

75 100

155 79.3 70.1 105.1

157 97.0 90.2 135.2

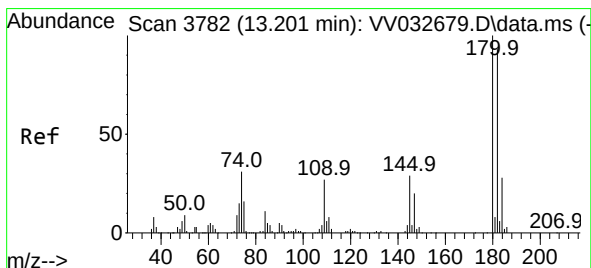
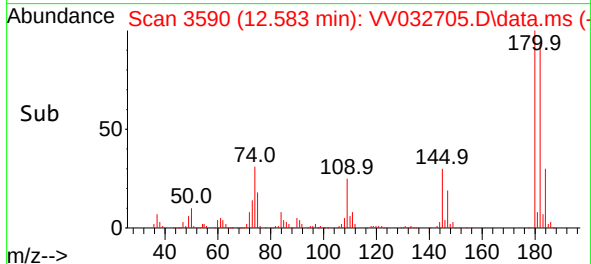
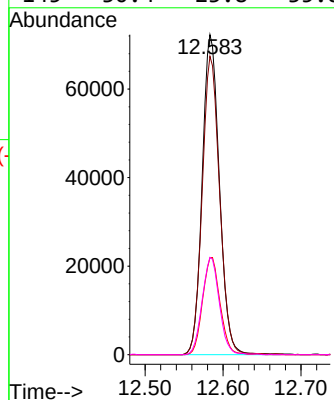
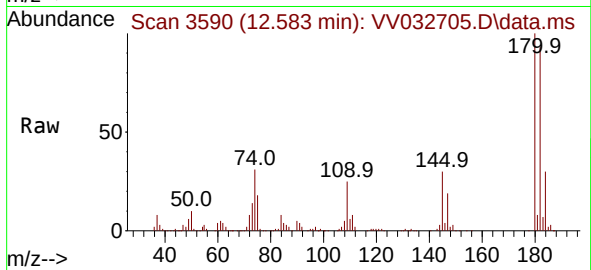




#69
1,3,5-Trichlorobenzene
Concen: 4.954 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.000 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

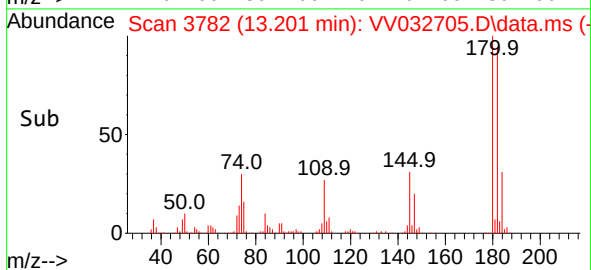
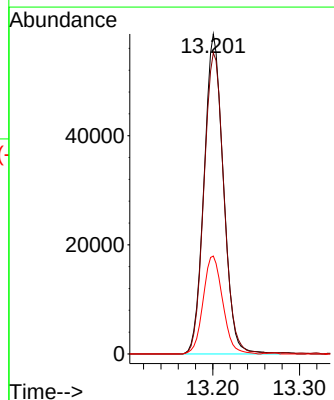
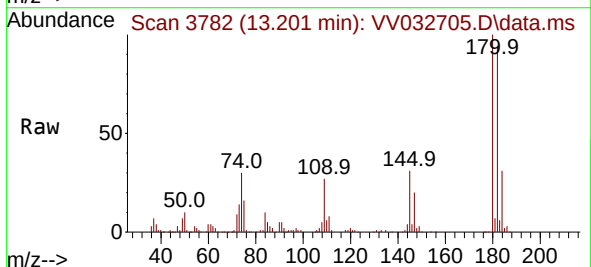
Instrument :
MSVOA_V
ClientSampleId :
A4939MSD

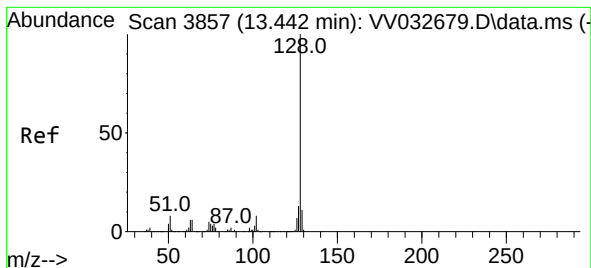
Tgt Ion:	180	Resp:	110456
Ion Ratio	Lower	Upper	
180	100		
182	94.7	76.6	115.0
184	30.7	24.3	36.5
145	30.4	23.8	35.8



#70
1,2,4-trichlorobenzene
Concen: 4.796 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. -0.000 min
Lab File: VV032705.D
Acq: 27 Oct 2023 23:48

Tgt Ion:	180	Resp:	90732
Ion Ratio	Lower	Upper	
180	100		
182	97.1	75.7	113.5
145	31.0	25.0	37.4





#71

Naphthalene

Concen: 4.780 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

Instrument :

MSVOA_V

ClientSampleId :

A4939MSD

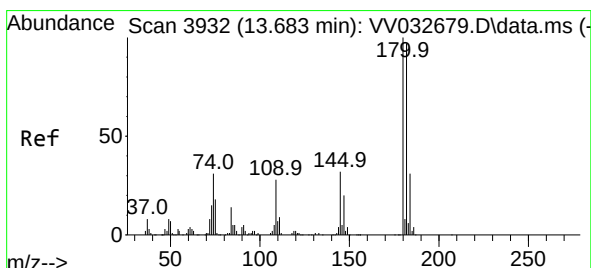
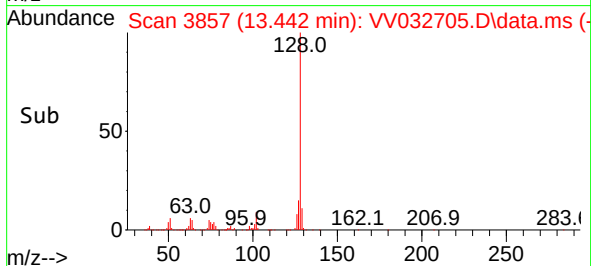
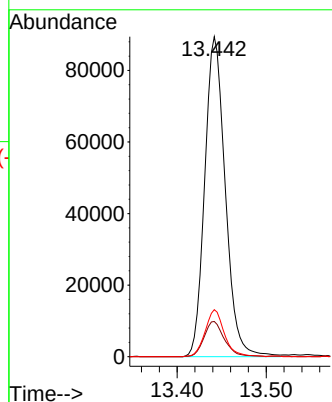
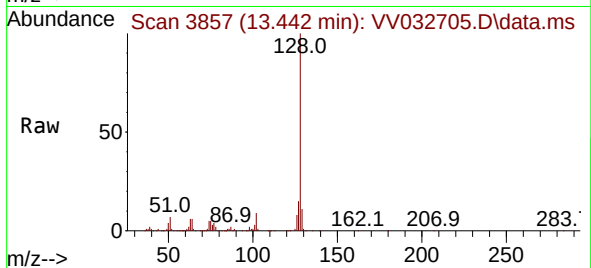
Tgt Ion:128 Resp: 143318

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

127 13.8 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.131 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV032705.D

Acq: 27 Oct 2023 23:48

Tgt Ion:180 Resp: 85349

Ion Ratio Lower Upper

180 100

182 95.7 75.4 113.2

145 31.8 26.4 39.6

