

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050123\
 Data File : VW030963.D
 Acq On : 01 May 2023 18:16
 Operator : SY/MD
 Sample : 02528-07MSD 250X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 HOA37MSD

Quant Time: May 02 01:35:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 29 01:06:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	141684	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	140405	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	82627	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	43811	3.753	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.000%
7) Chloroethane-d5	1.539	69	36077	3.789	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.800%
11) 1,1-Dichloroethene-d2	2.063	65	23165	3.750	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.000%
20) 2-Butanone-d5	3.828	46	81542	39.392	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.780%
24) Chloroform-d	4.259	84	89481	3.857	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.200%
26) 1,2-Dichloroethane-d4	4.953	65	45200	3.832	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.600%
32) Benzene-d6	4.969	84	155801	3.786	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.800%
36) 1,2-Dichloropropane-d6	5.998	67	43874	3.666	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.400%
41) Toluene-d8	7.249	98	154412	3.940	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	7.561	79	17211	3.837	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.800%
46) 2-Hexanone-d5	8.037	63	61449	39.097	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.200%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	34580	3.987	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.800%
66) 1,2-Dichlorobenzene-d4	11.570	152	58250	3.782	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	75.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	50285	4.492	ug/L	98
3) Chloromethane	1.217	50	53488	4.072	ug/L	98
5) Vinyl chloride	1.285	62	48583	4.419	ug/L	97
6) Bromomethane	1.494	94	22474	4.292	ug/L	96
8) Chloroethane	1.555	64	30229	4.517	ug/L	99
9) Trichlorofluoromethane	1.719	101	91787	4.525	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	47353	4.573	ug/L	98
12) 1,1-Dichloroethene	2.076	96	48983	5.137	ug/L	83
13) Acetone	2.156	43	64648	36.562	ug/L	80
14) Carbon disulfide	2.246	76	95875	3.843	ug/L	98
15) Methyl Acetate	2.400	43	12815	3.562	ug/L #	84
16) Methylene chloride	2.455	84	44421	4.118	ug/L	89
17) Methyl tert-butyl Ether	2.716	73	89299	4.920	ug/L	96
18) trans-1,2-Dichloroethene	2.703	96	37700	4.329	ug/L	99
19) 1,1-Dichloroethane	3.121	63	76849	4.570	ug/L	98
21) 2-Butanone	3.905	43	80398	41.343	ug/L	93
22) cis-1,2-Dichloroethene	3.828	96	42531	4.628	ug/L	96
23) Bromochloromethane	4.162	128	20777	4.802	ug/L	96
25) Chloroform	4.288	83	85586	4.743	ug/L	97

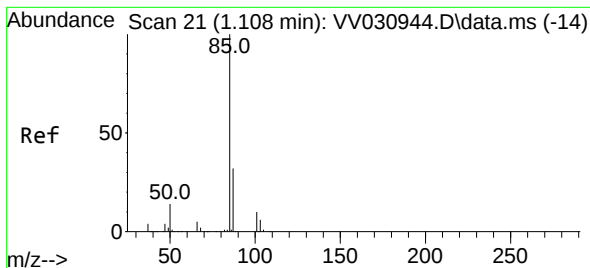
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	56832	5.018	ug/L	99
29) 1,1,1-Trichloroethane	4.526	97	85681	4.856	ug/L	98
30) Cyclohexane	4.593	56	55420	4.159	ug/L	99
31) Carbon tetrachloride	4.744	117	73100	4.613	ug/L	100
33) Benzene	5.021	78	164790	4.666	ug/L	100
34) Trichloroethene	5.841	95	59804	6.352	ug/L	98
35) Methylcyclohexane	6.056	83	61929	4.245	ug/L	100
37) 1,2-Dichloropropane	6.101	63	40724	4.861	ug/L #	97
38) Bromodichloromethane	6.442	83	58679	4.786	ug/L	95
39) cis-1,3-Dichloropropene	6.963	75	53546	4.268	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	216965	49.987	ug/L	98
42) Toluene	7.323	91	183176	4.817	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	50323	4.707	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	30310	4.876	ug/L	98
47) Tetrachloroethene	7.911	164	161660	18.000	ug/L	98
48) 2-Hexanone	8.088	43	161220	48.428	ug/L	99
49) Dibromochloromethane	8.185	129	37542	4.801	ug/L	96
50) 1,2-Dibromoethane	8.291	107	26199	4.726	ug/L	99
51) Chlorobenzene	8.821	112	122655	4.758	ug/L	98
52) Ethylbenzene	8.953	91	193527	4.668	ug/L	98
53) m,p-Xylene	9.082	106	73599	4.449	ug/L	92
54) o-Xylene	9.487	106	72770	4.622	ug/L	98
55) Styrene	9.503	104	129045	4.857	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.188	83	34292	4.936	ug/L #	94
59) Bromoform	9.673	173	23150	4.760	ug/L	97
60) Isopropylbenzene	9.876	105	202274	4.541	ug/L	98
61) 1,2,3-Trichloropropane	10.220	75	24681	4.755	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	158510	4.371	ug/L	97
63) 1,2,4-Trimethylbenzene	10.860	105	162644	4.426	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	108763	4.754	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	106440	4.611	ug/L	94
67) 1,2-Dichlorobenzene	11.587	146	96096	4.671	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.374	75	6017	4.567	ug/L	93
69) 1,3,5-Trichlorobenzene	12.590	180	82884	4.575	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	65773	4.725	ug/L	99
71) Naphthalene	13.448	128	89305	4.474	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	56111	4.762	ug/L	98

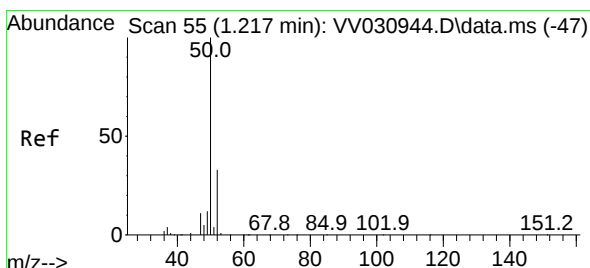
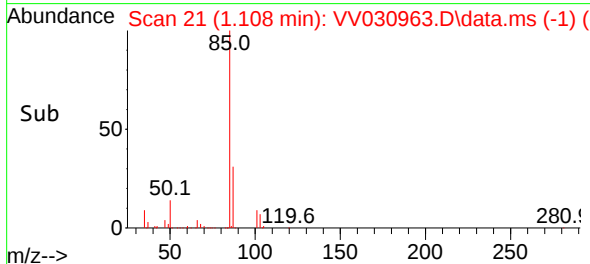
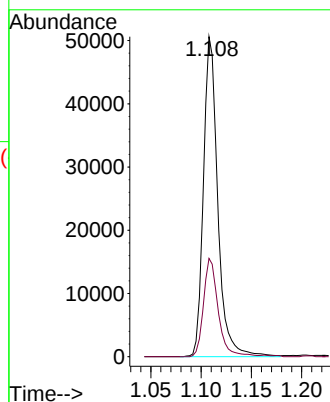
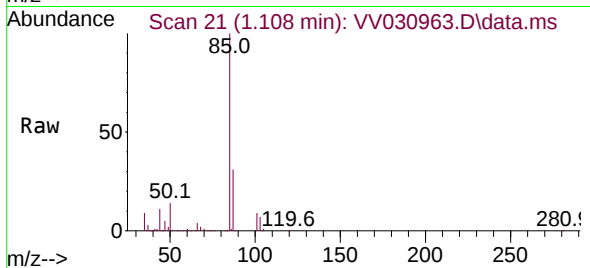
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#2
 Dichlorodifluoromethane
 Concen: 4.492 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030963.D
 Acq: 01 May 2023 18:16

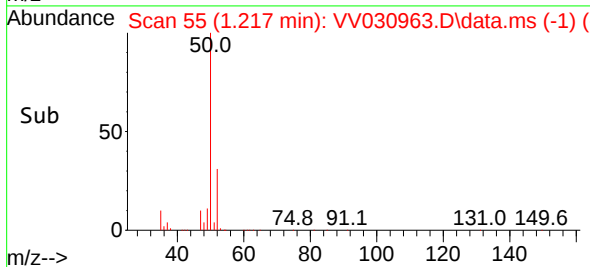
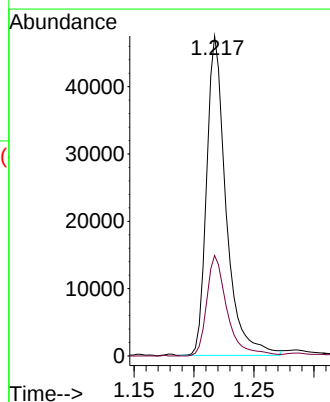
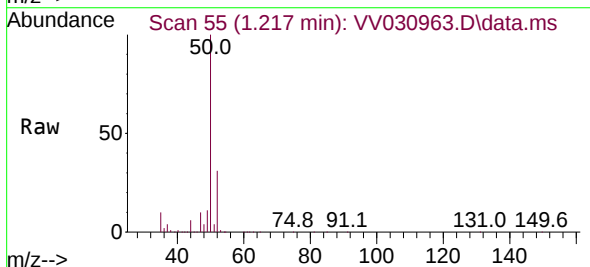
Instrument :
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 ClientSampleId :
 HOA37MSD

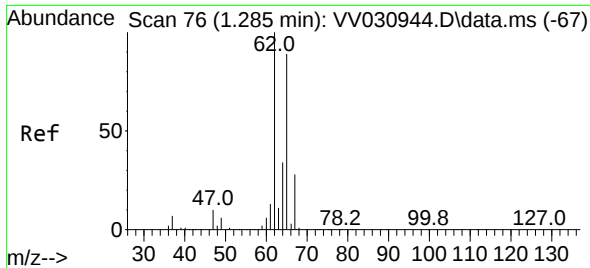
Tgt Ion: 85 Resp: 50285
 Ion Ratio Lower Upper
 85 100
 87 31.3 25.8 38.6



#3
 Chloromethane
 Concen: 4.072 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030963.D
 Acq: 01 May 2023 18:16

Tgt Ion: 50 Resp: 53488
 Ion Ratio Lower Upper
 50 100
 52 31.4 22.8 42.4

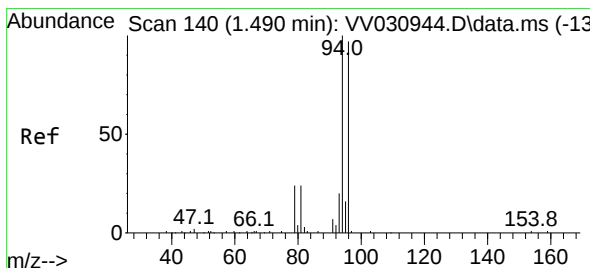
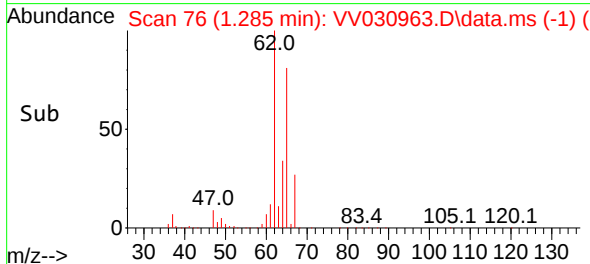
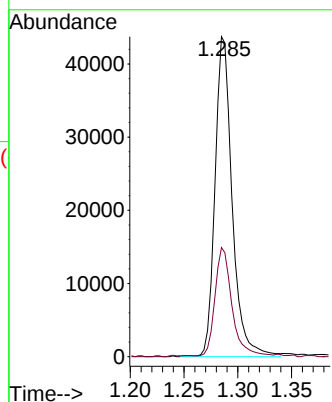
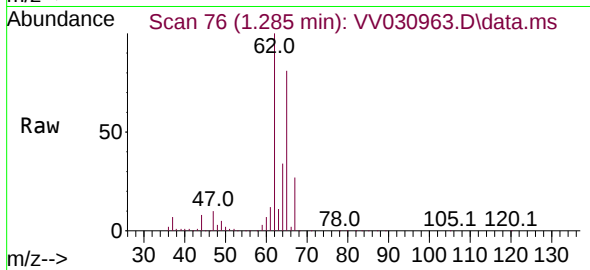




#5
 Vinyl chloride
 Concen: 4.419 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030963.D
 Acq: 01 May 2023 18:16

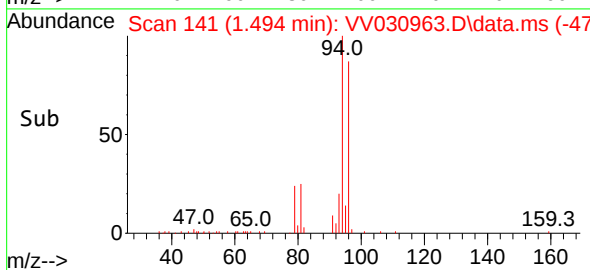
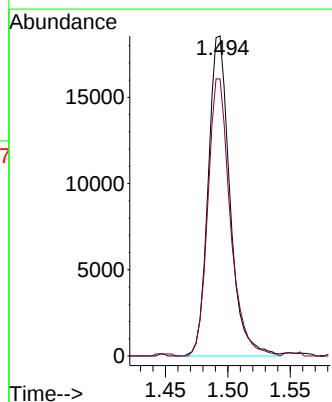
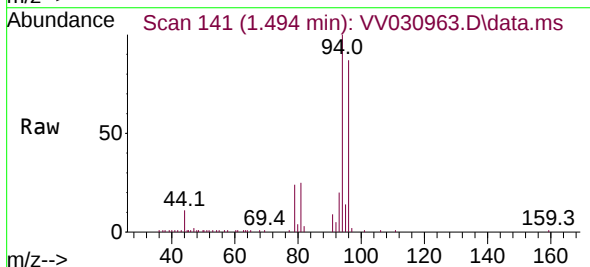
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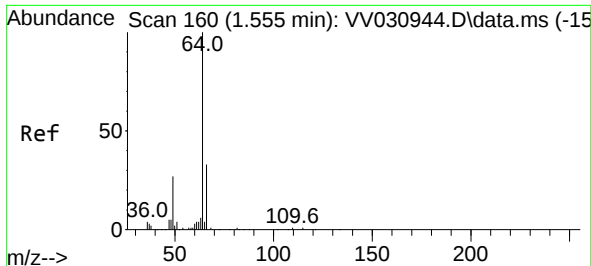
Tgt Ion: 62 Resp: 48583
 Ion Ratio Lower Upper
 62 100
 64 34.1 22.8 42.4



#6
 Bromomethane
 Concen: 4.292 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV030963.D
 Acq: 01 May 2023 18:16

Tgt Ion: 94 Resp: 22474
 Ion Ratio Lower Upper
 94 100
 96 86.5 63.4 117.8

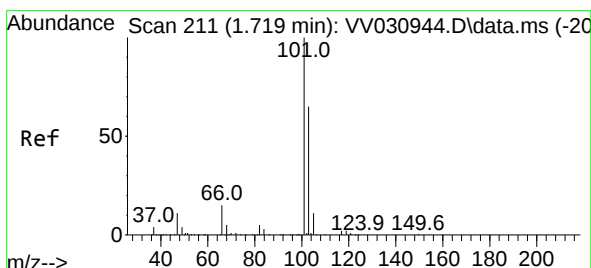
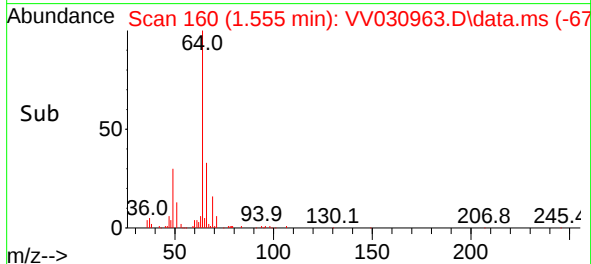
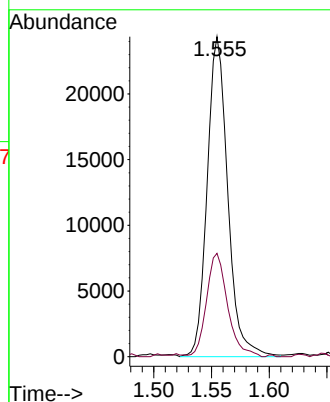
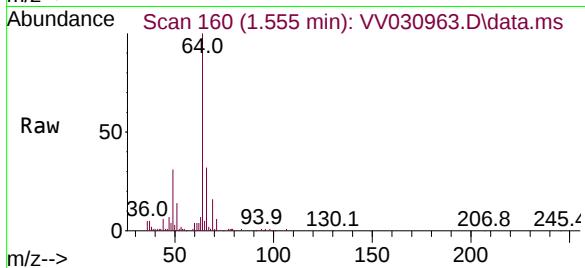




#8
Chloroethane
Concen: 4.517 ug/L
RT: 1.555 min Scan# 160
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

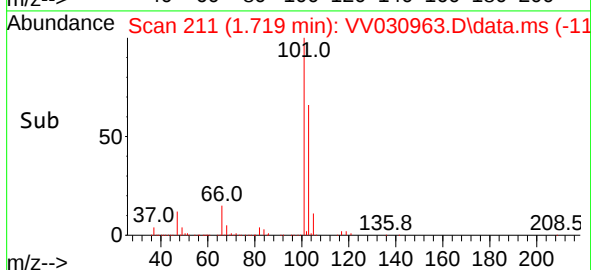
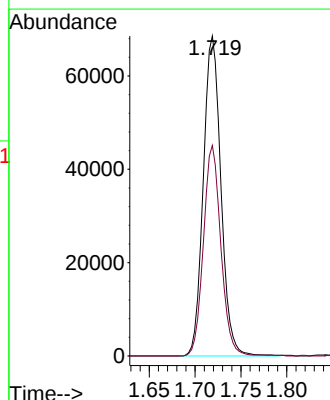
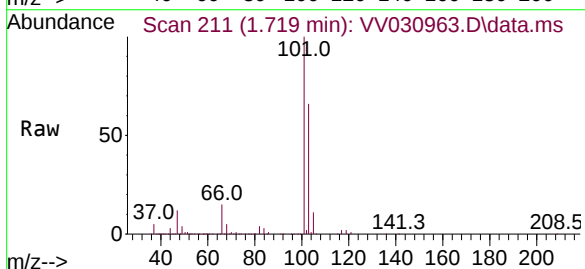
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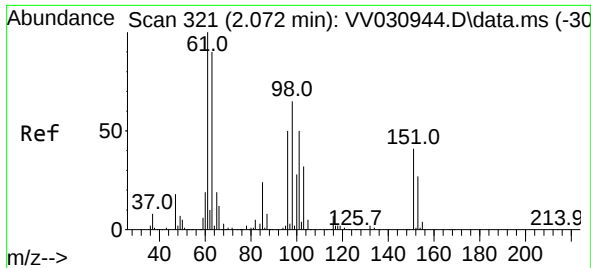
Tgt Ion: 64 Resp: 30229
Ion Ratio Lower Upper
64 100
66 32.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.525 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Tgt Ion: 101 Resp: 91787
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.8

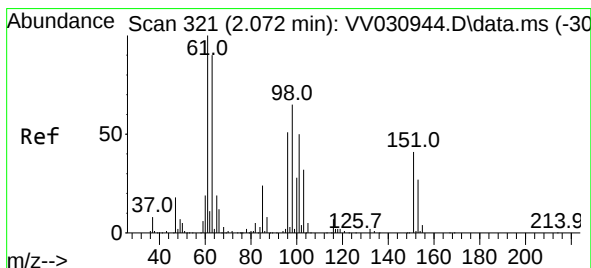
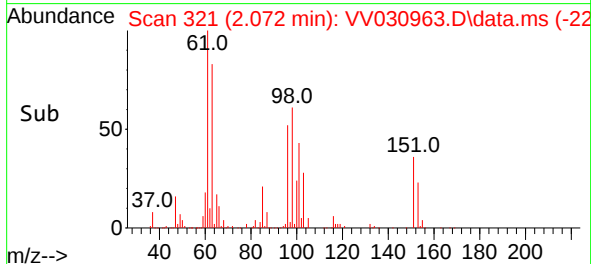
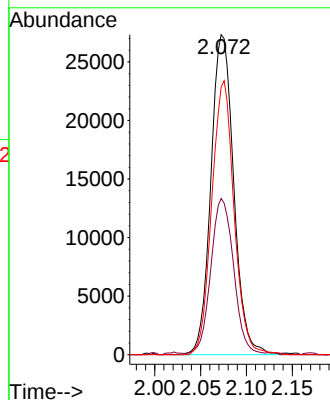
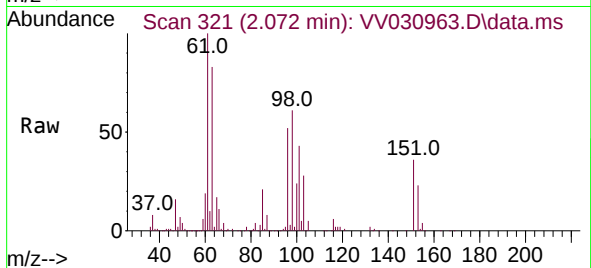




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.573 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV030963.D
 Acq: 01 May 2023 18:16

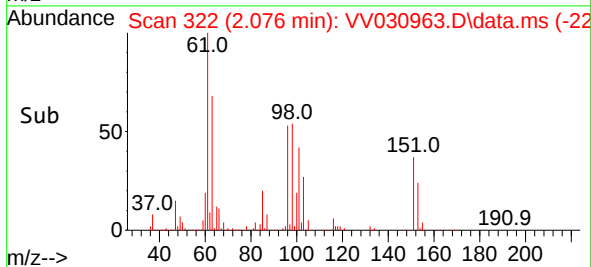
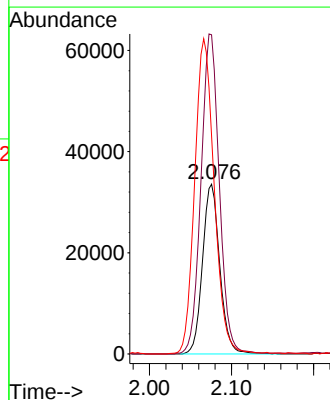
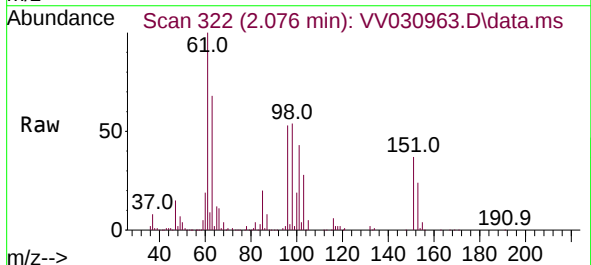
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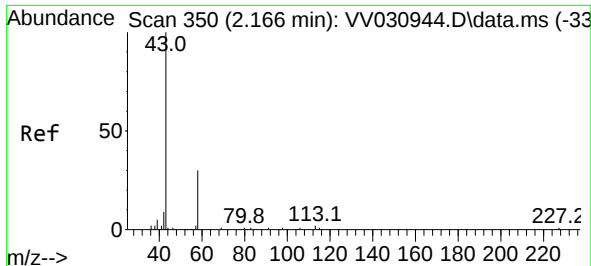
Tgt Ion:101 Resp: 47353
 Ion Ratio Lower Upper
 101 100
 85 47.7 38.7 58.1
 151 83.5 65.1 97.7



#12
 1,1-Dichloroethene
 Concen: 5.137 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030963.D
 Acq: 01 May 2023 18:16

Tgt Ion: 96 Resp: 48983
 Ion Ratio Lower Upper
 96 100
 61 188.0 135.6 251.8
 63 128.6 121.1 224.9





#13

Acetone

Concen: 36.562 ug/L

RT: 2.156 min Scan# 347

Delta R.T. -0.003 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

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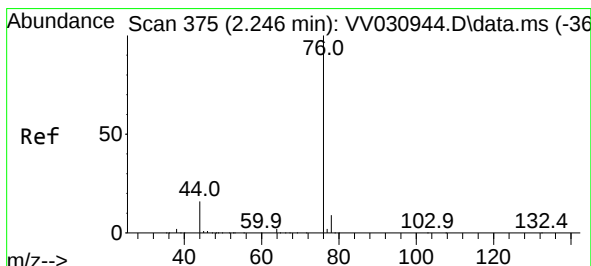
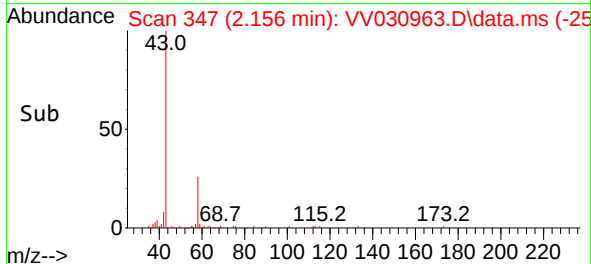
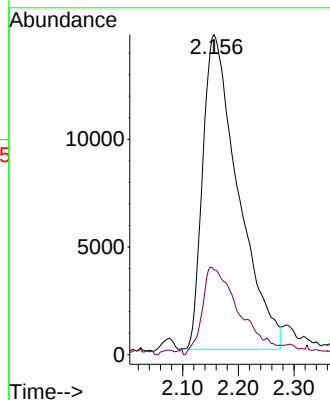
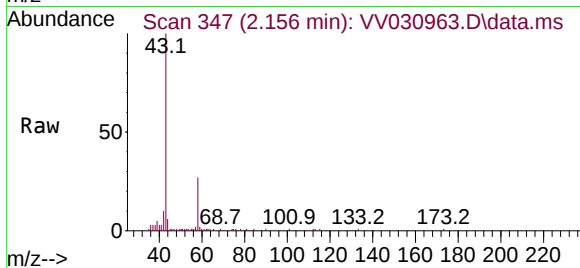
HOA37MSD

Tgt Ion: 43 Resp: 64648

Ion Ratio Lower Upper

43 100

58 27.6 0.0 37.0



#14

Carbon disulfide

Concen: 3.843 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030963.D

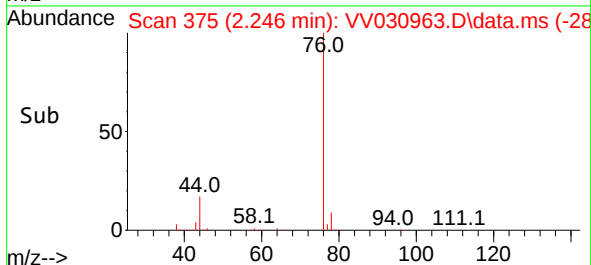
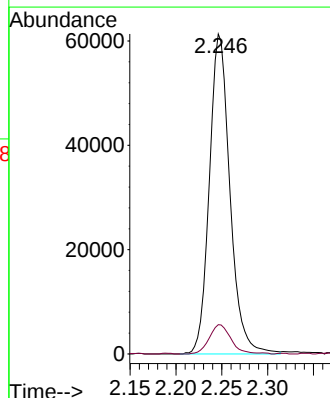
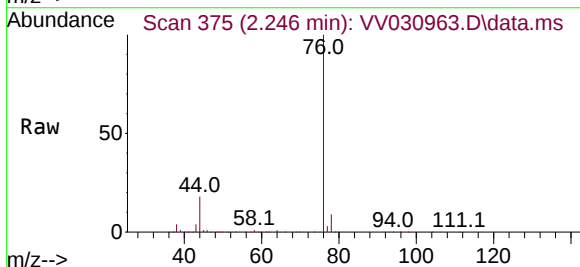
Acq: 01 May 2023 18:16

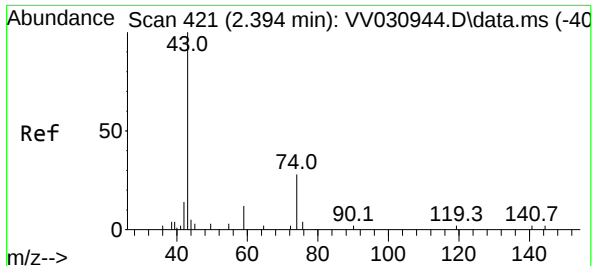
Tgt Ion: 76 Resp: 95875

Ion Ratio Lower Upper

76 100

78 9.1 6.8 10.2

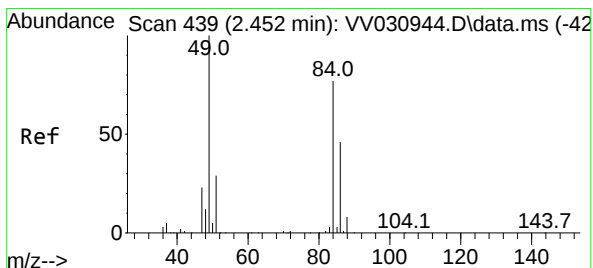
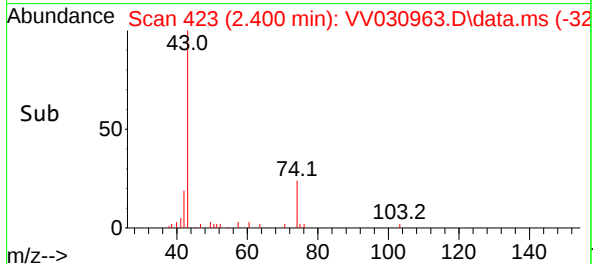
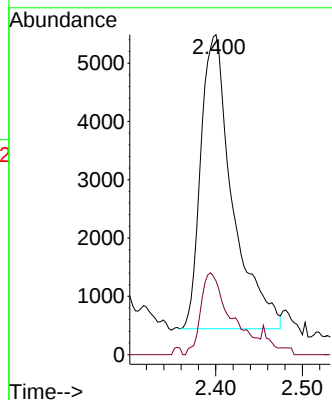
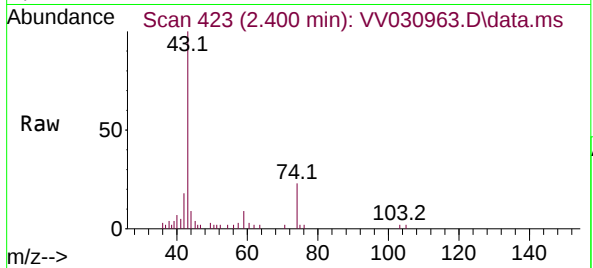




#15
Methyl Acetate
Concen: 3.562 ug/L
RT: 2.400 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

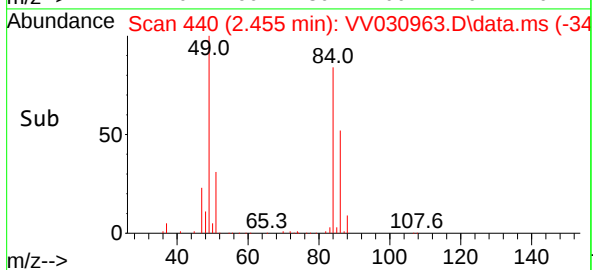
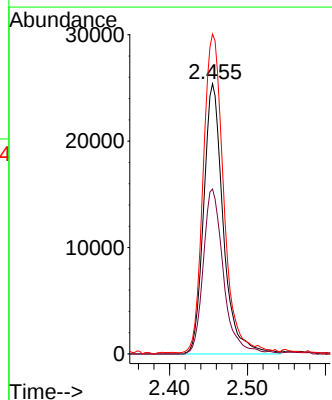
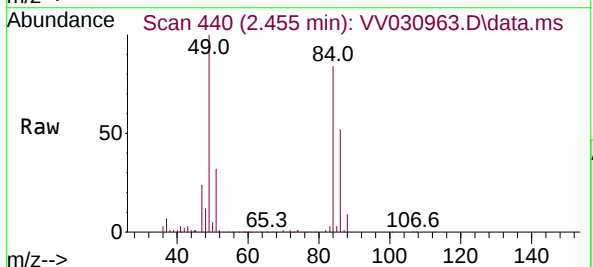
Instrument :
MSVOA_V
ClientSampleId :
HOA37MSD

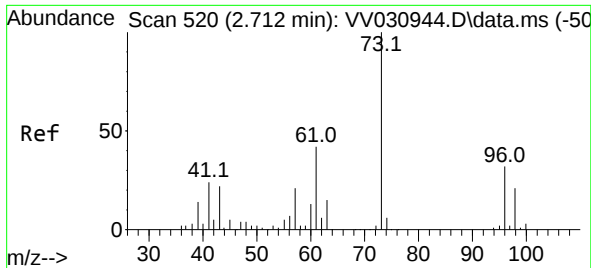
Tgt Ion: 43 Resp: 12815
Ion Ratio Lower Upper
43 100
74 26.2 15.0 22.6#



#16
Methylene chloride
Concen: 4.118 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Tgt Ion: 84 Resp: 44421
Ion Ratio Lower Upper
84 100
86 61.0 46.1 85.5
49 118.4 94.3 175.1

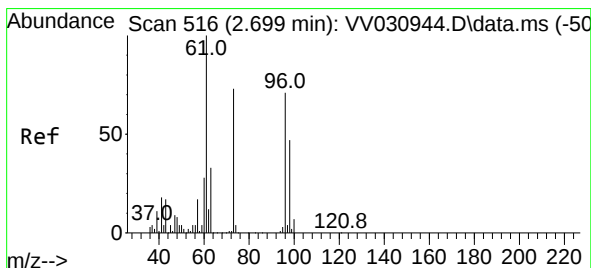
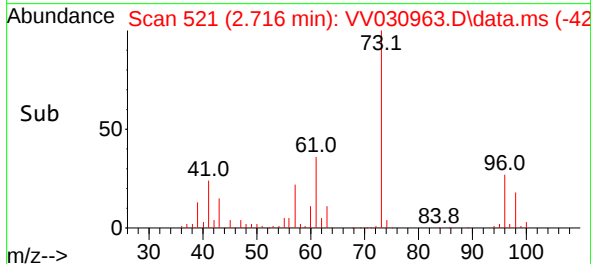
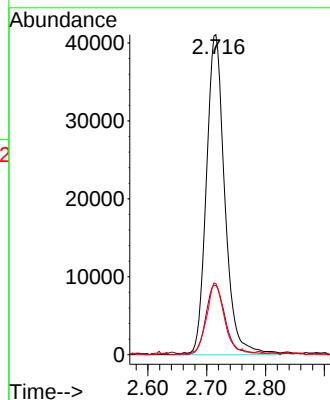
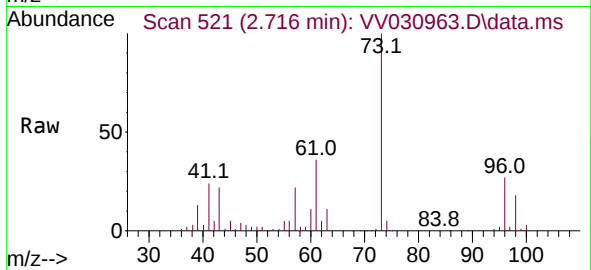




#17
Methyl tert-butyl Ether
Concen: 4.920 ug/L
RT: 2.716 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

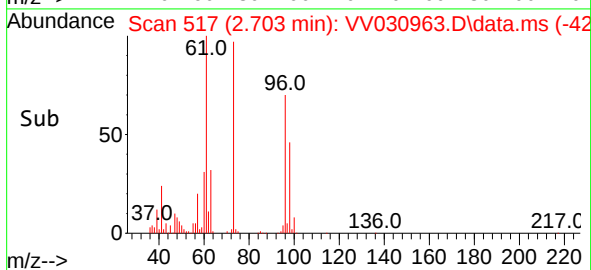
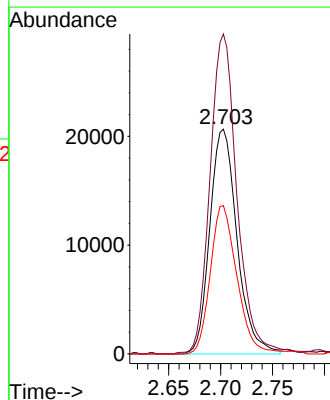
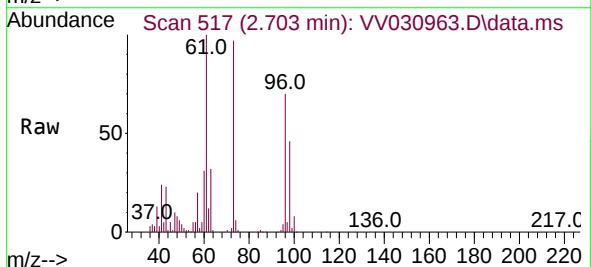
Instrument :
MSVOA_V
ClientSampleId :
HOA37MSD

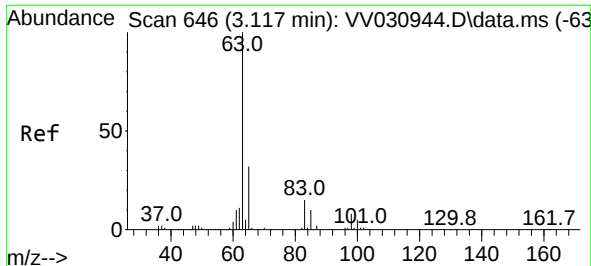
Tgt Ion: 73 Resp: 89299
Ion Ratio Lower Upper
73 100
43 21.7 19.9 29.9
57 22.3 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 4.329 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Tgt Ion: 96 Resp: 37700
Ion Ratio Lower Upper
96 100
61 142.4 98.9 183.7
98 66.0 46.0 85.4

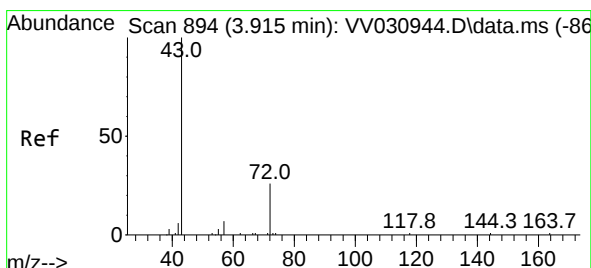
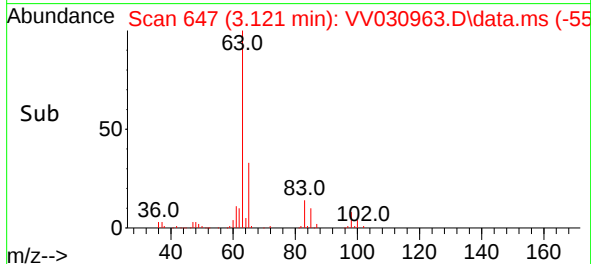
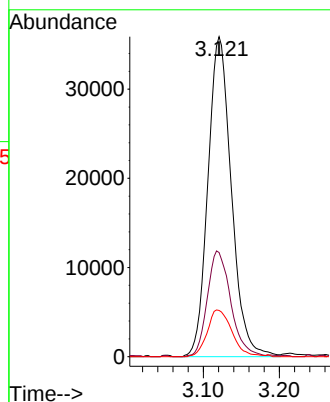
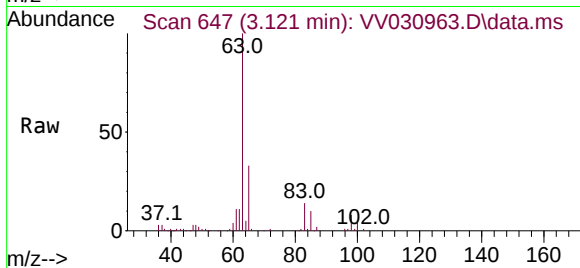




#19
1,1-Dichloroethane
Concen: 4.570 ug/L
RT: 3.121 min Scan# 646
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

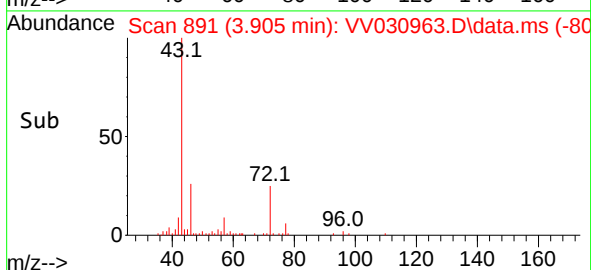
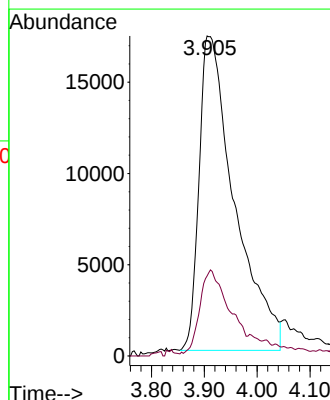
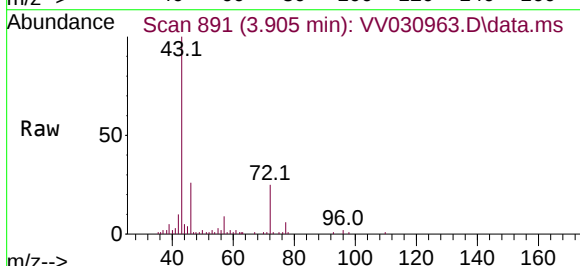
Instrument :
MSVOA_V
ClientSampleId :
HOA37MSD

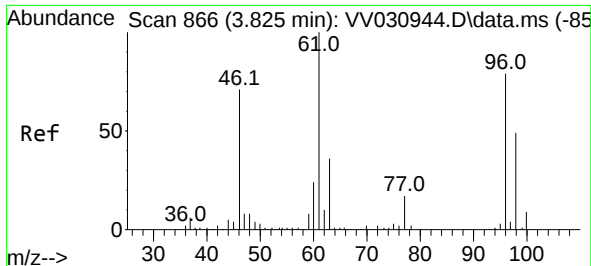
Tgt Ion:	63	Resp:	76849
Ion	Ratio	Lower	Upper
63	100		
65	32.5	21.8	40.6
83	14.4	10.2	19.0



#21
2-Butanone
Concen: 41.343 ug/L
RT: 3.905 min Scan# 891
Delta R.T. -0.013 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

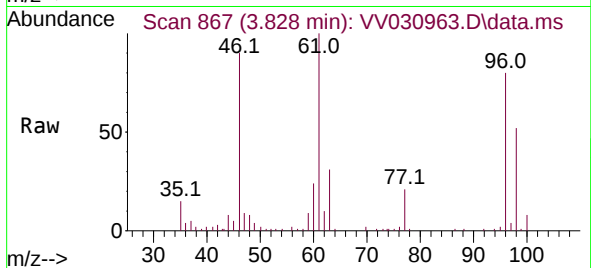
Tgt Ion:	43	Resp:	80398
Ion	Ratio	Lower	Upper
43	100		
72	22.1	9.6	28.6





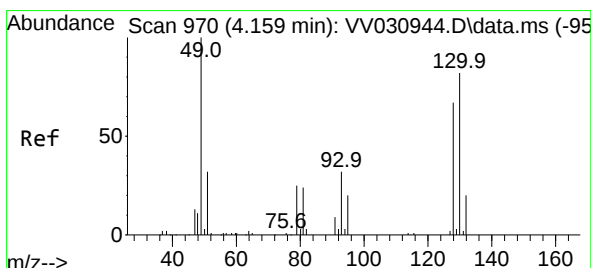
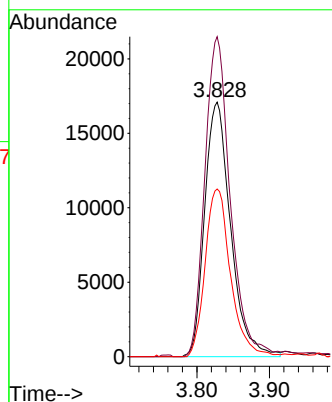
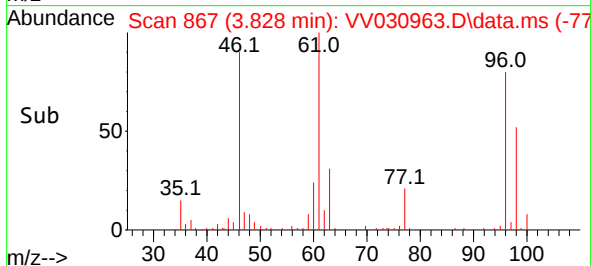
#22
cis-1,2-Dichloroethene
Concen: 4.628 ug/L
RT: 3.828 min Scan# 866
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Instrument :
MSVOA_V
ClientSampleId :
HOA37MSD

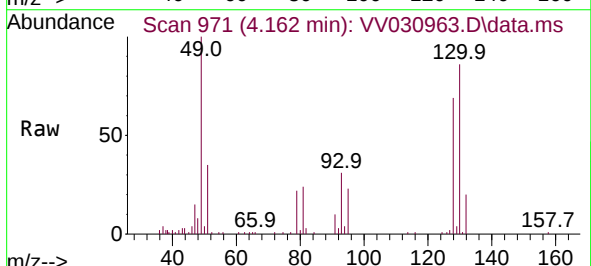


Tgt Ion: 96 Resp: 42531

Ion	Ratio	Lower	Upper
96	100		
61	125.7	86.0	159.6
98	65.8	43.2	80.2

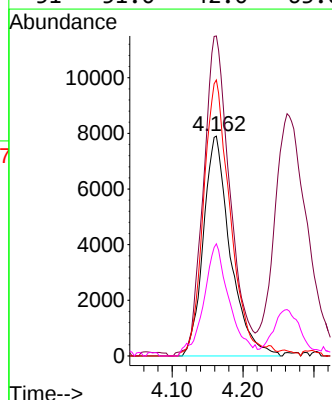
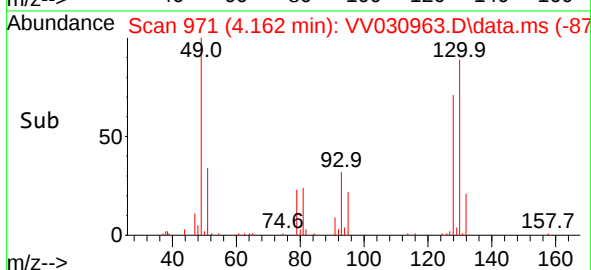


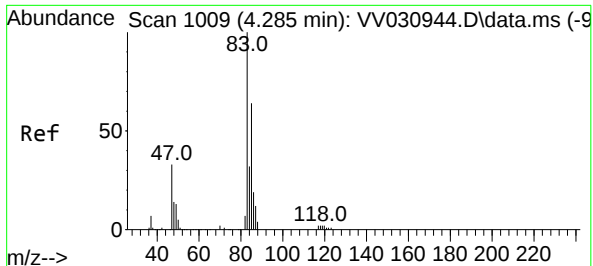
#23
Bromochloromethane
Concen: 4.802 ug/L
RT: 4.162 min Scan# 971
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16



Tgt Ion: 128 Resp: 20777

Ion	Ratio	Lower	Upper
128	100		
49	145.5	104.7	194.5
130	125.5	93.4	173.4
51	51.0	42.0	63.0

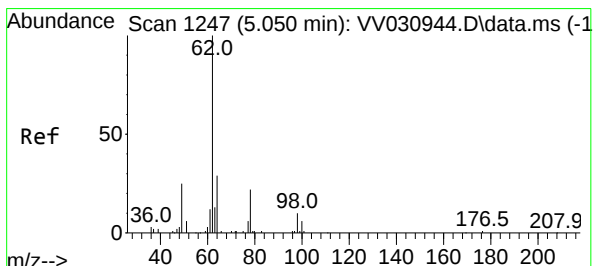
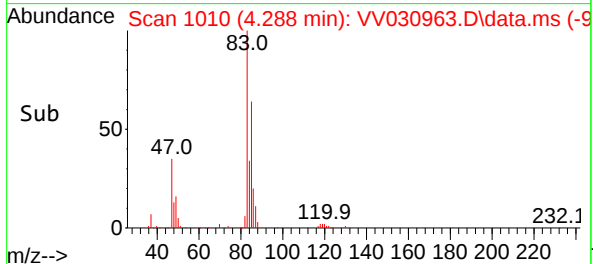
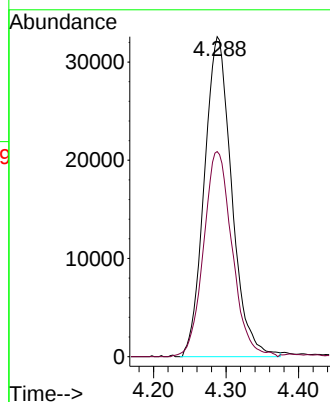
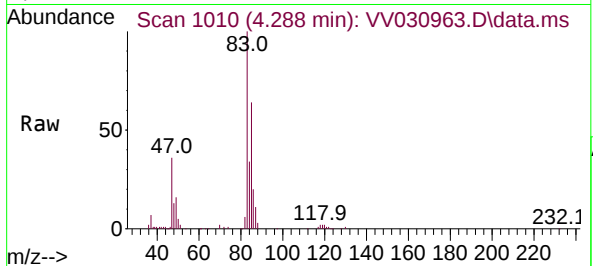




#25
Chloroform
Concen: 4.743 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

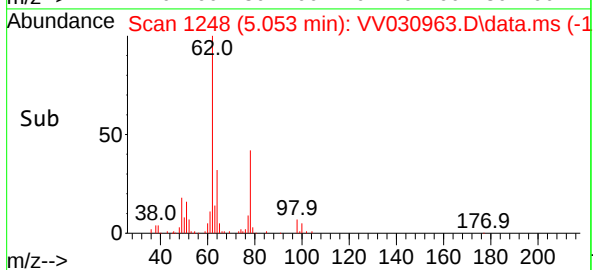
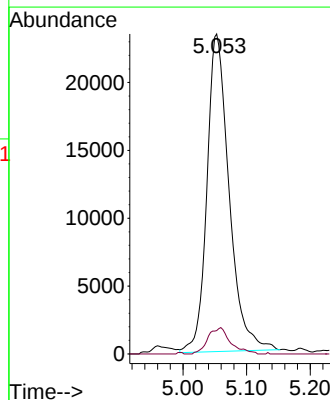
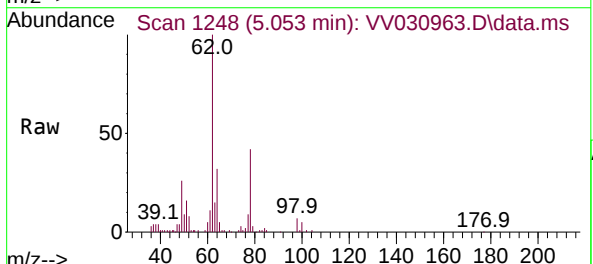
Instrument :
MSVOA_V
ClientSampleId :
HOA37MSD

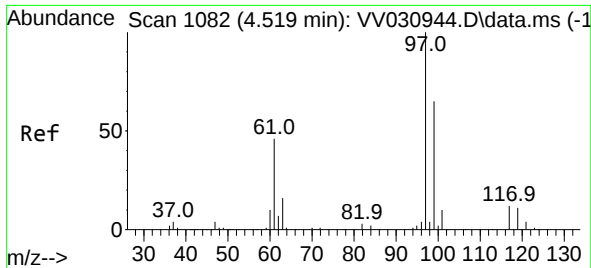
Tgt Ion: 83 Resp: 85586
Ion Ratio Lower Upper
83 100
85 64.1 46.4 86.2



#27
1,2-Dichloroethane
Concen: 5.018 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Tgt Ion: 62 Resp: 56832
Ion Ratio Lower Upper
62 100
98 7.3 6.0 9.0

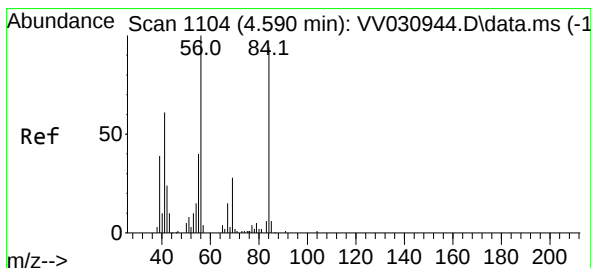
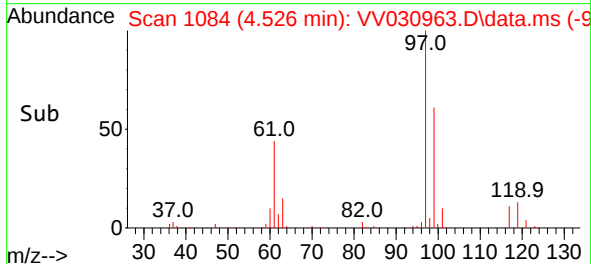
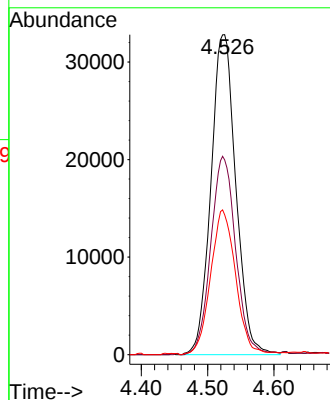
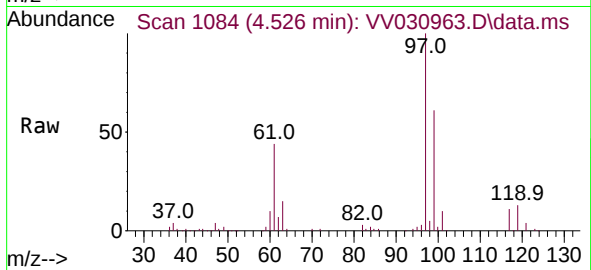




#29
1,1,1-Trichloroethane
Concen: 4.856 ug/L
RT: 4.526 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

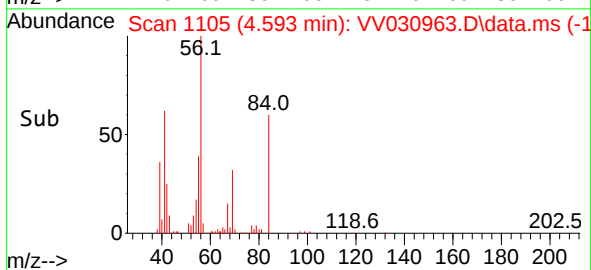
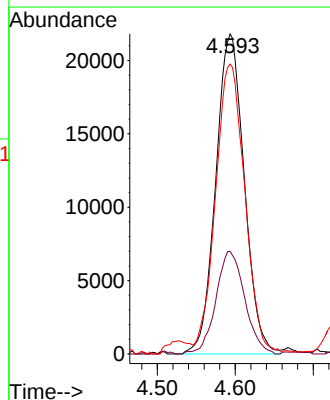
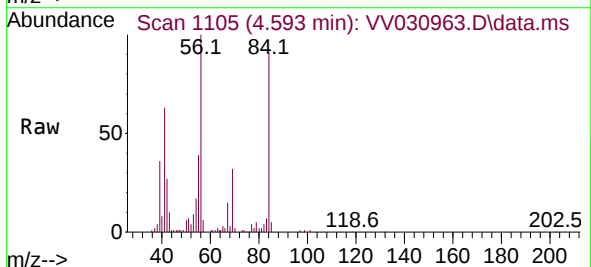
Instrument :
MSVOA_V
ClientSampleId :
HOA37MSD

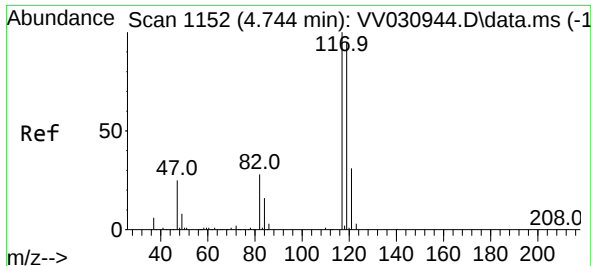
Tgt Ion: 97	Resp: 85681
Ion Ratio	Lower Upper
97 100	
99 62.1	51.4 77.2
61 45.4	37.4 56.0



#30
Cyclohexane
Concen: 4.159 ug/L
RT: 4.593 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Tgt Ion: 56	Resp: 55420
Ion Ratio	Lower Upper
56 100	
69 32.4	25.0 37.6
84 91.6	74.2 111.2

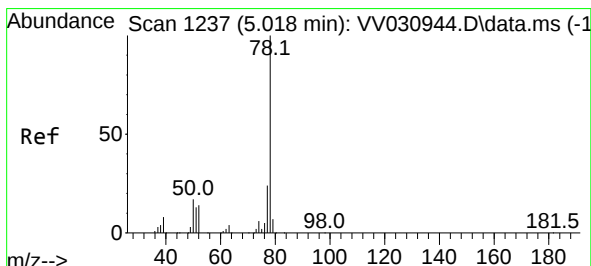
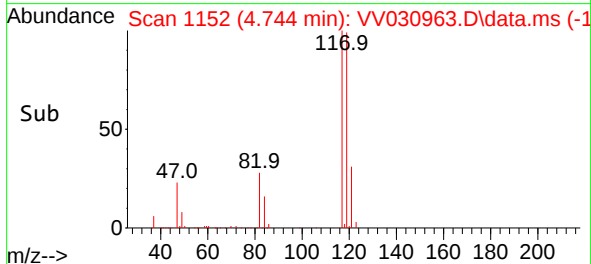
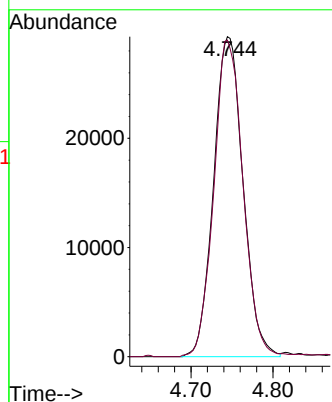
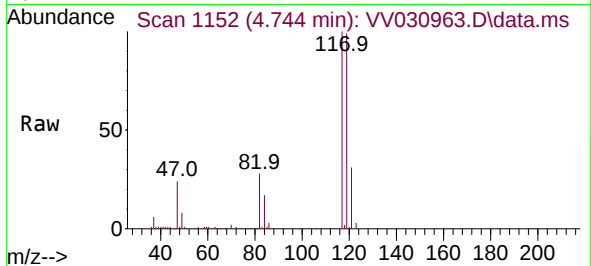




#31
Carbon tetrachloride
Concen: 4.613 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

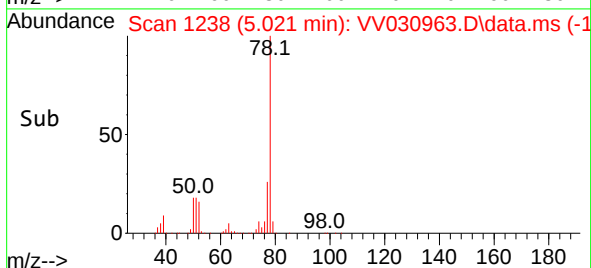
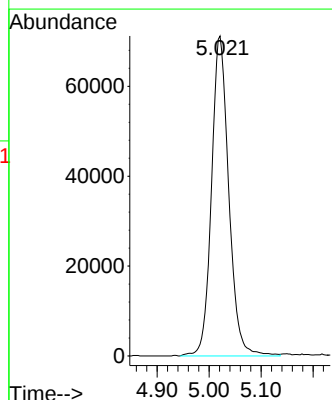
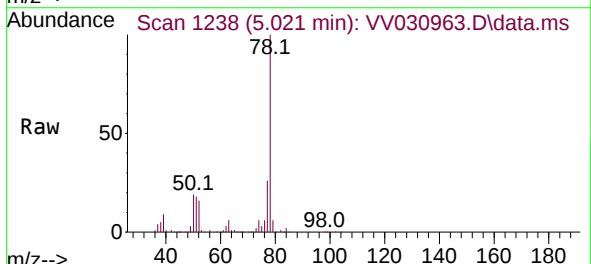
Instrument : MSVOA_V
ClientSampleId : HOA37MSD

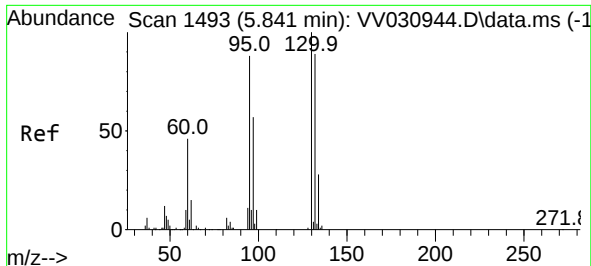
Tgt Ion:117 Resp: 73100
Ion Ratio Lower Upper
117 100
119 98.2 78.4 117.6



#33
Benzene
Concen: 4.666 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Tgt Ion: 78 Resp: 164790

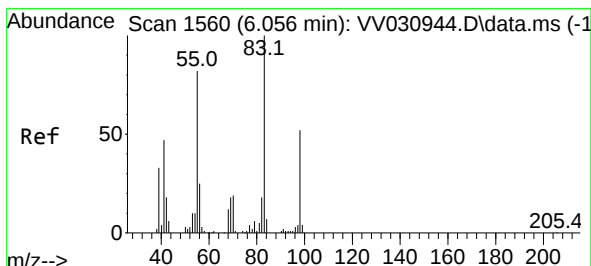
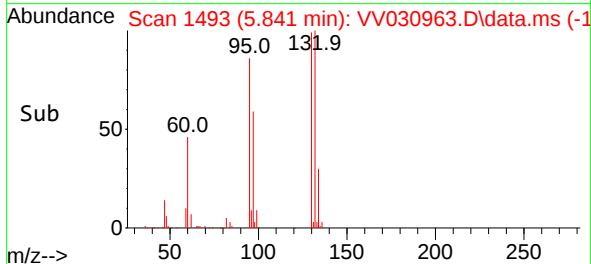
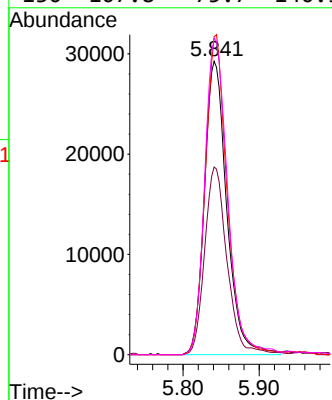
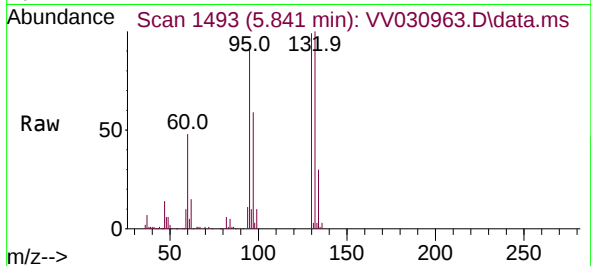




#34
Trichloroethene
Concen: 6.352 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.003 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

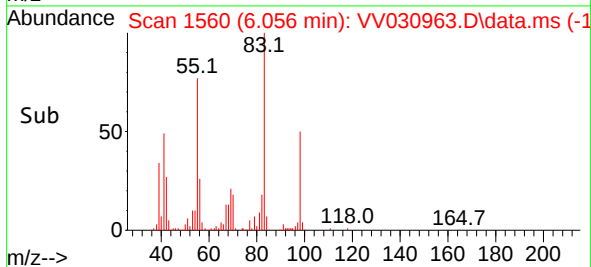
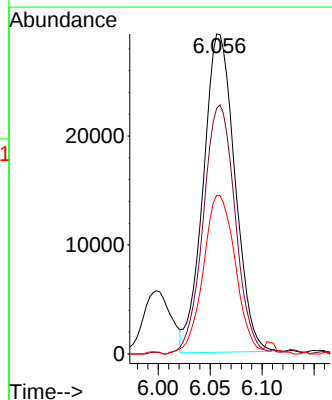
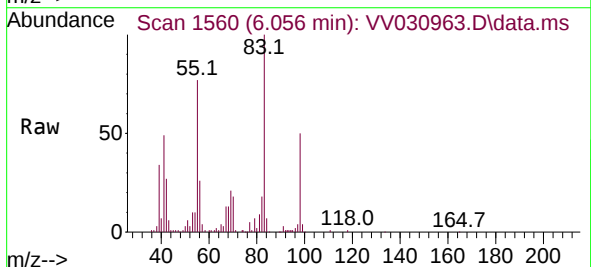
Instrument :
MSVOA_V
ClientSampleId :
HOA37MSD

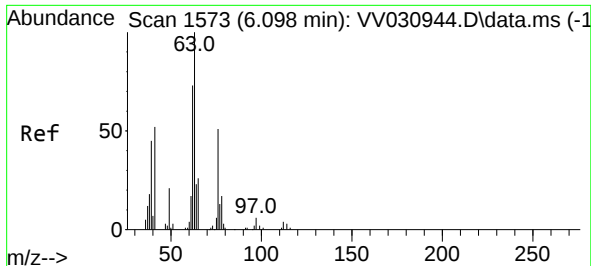
Tgt Ion: 95	Resp: 59804
Ion Ratio	Lower Upper
95 100	
97 64.0	46.2 85.8
132 108.4	72.7 135.1
130 107.8	75.7 140.5



#35
Methylcyclohexane
Concen: 4.245 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Tgt Ion: 83	Resp: 61929
Ion Ratio	Lower Upper
83 100	
55 79.2	62.9 94.3
98 50.5	40.5 60.7





#37

1,2-Dichloropropane

Concen: 4.861 ug/L

RT: 6.101 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

Instrument :

MSVOA_V

ClientSampleId :

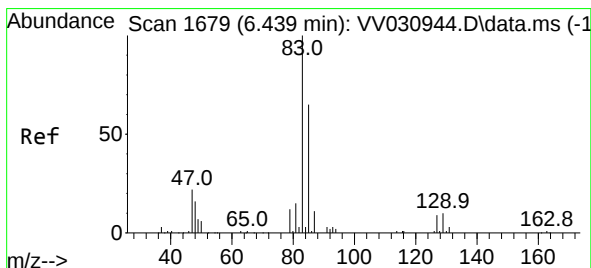
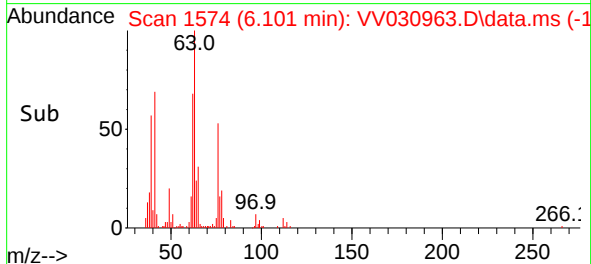
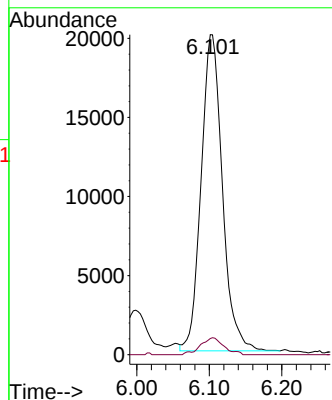
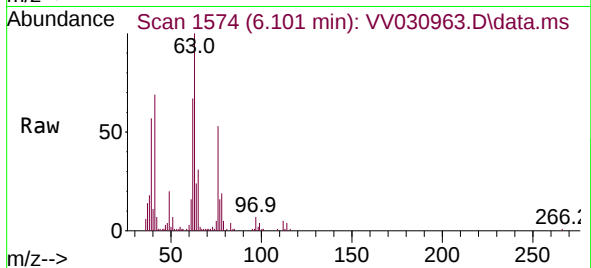
HOA37MSD

Tgt Ion: 63 Resp: 40724

Ion Ratio Lower Upper

63 100

112 5.8 3.8 5.8#



#38

Bromodichloromethane

Concen: 4.786 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

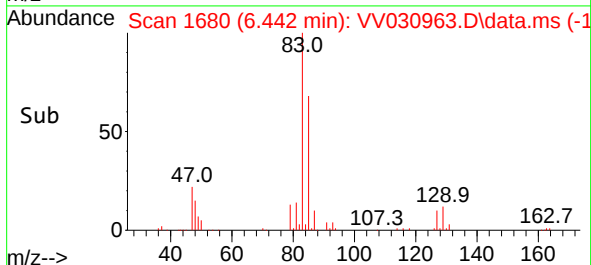
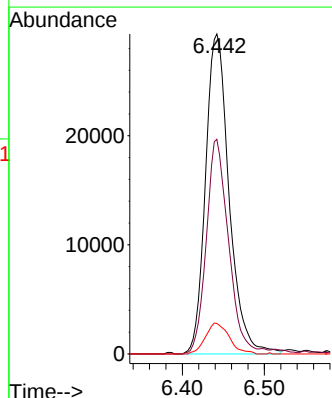
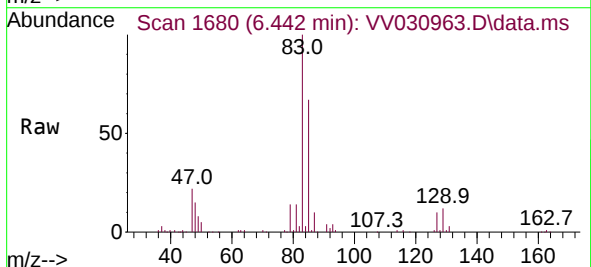
Tgt Ion: 83 Resp: 58679

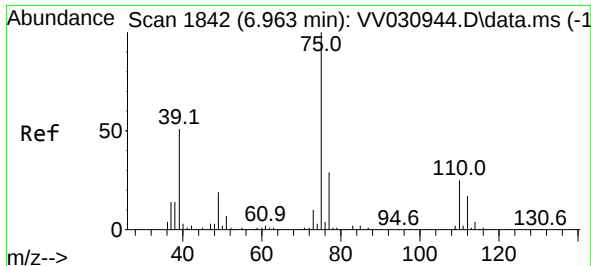
Ion Ratio Lower Upper

83 100

85 67.1 44.4 82.4

127 9.6 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.268 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

Instrument :

MSVOA_V

ClientSampleId :

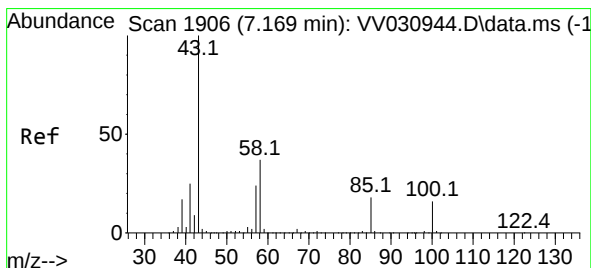
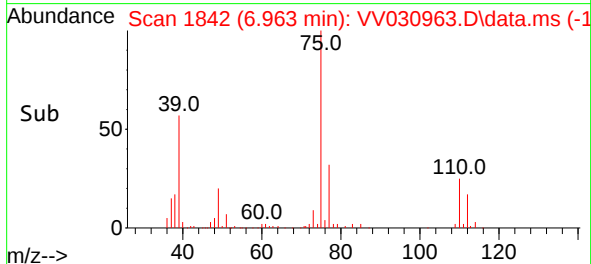
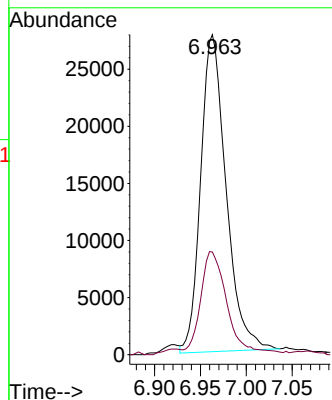
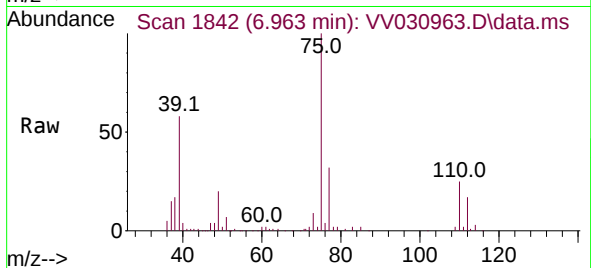
HOA37MSD

Tgt Ion: 75 Resp: 53546

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 49.987 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.003 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

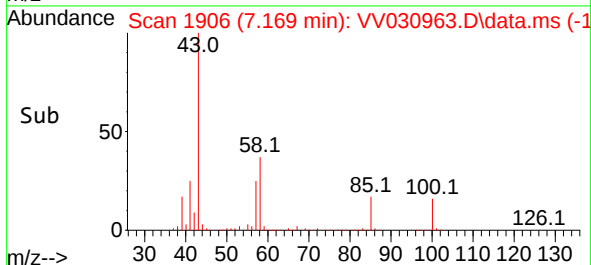
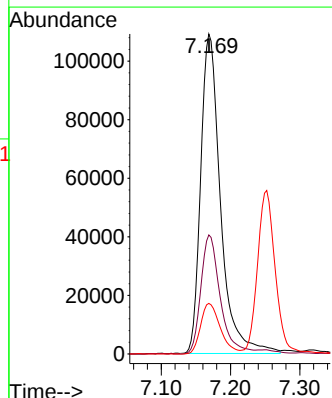
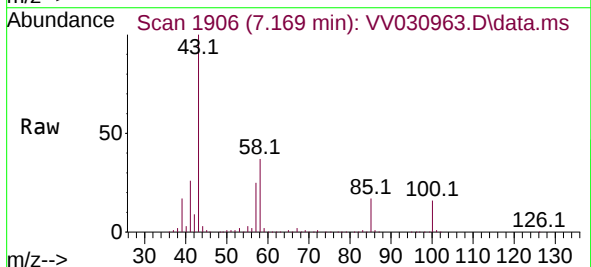
Tgt Ion: 43 Resp: 216965

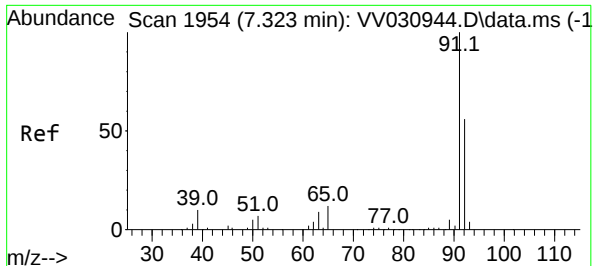
Ion Ratio Lower Upper

43 100

58 36.5 28.3 42.5

100 15.7 11.8 17.8





#42

Toluene

Concen: 4.817 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

Instrument :

MSVOA_V

ClientSampleId :

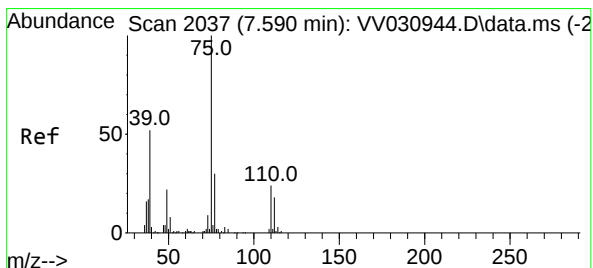
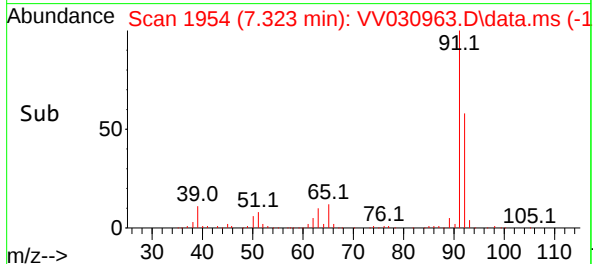
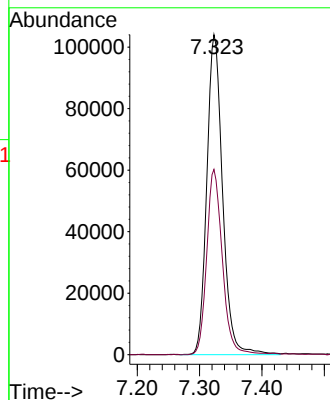
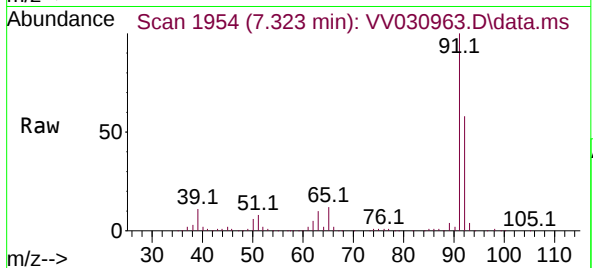
HOA37MSD

Tgt Ion: 91 Resp: 183176

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.707 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.003 min

Lab File: VV030963.D

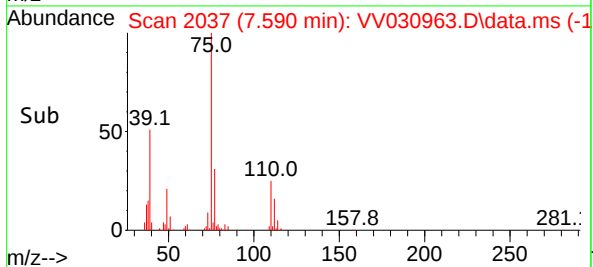
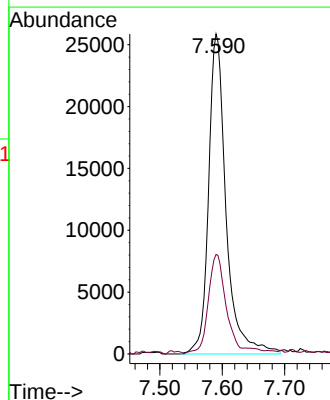
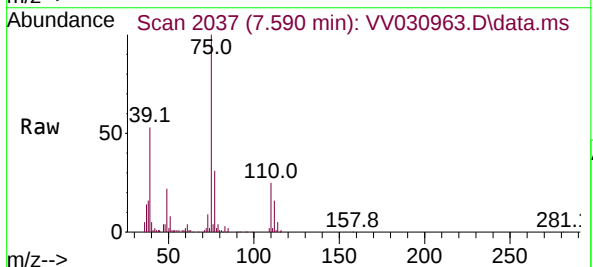
Acq: 01 May 2023 18:16

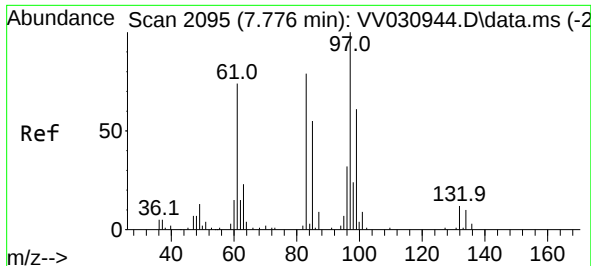
Tgt Ion: 75 Resp: 50323

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.0

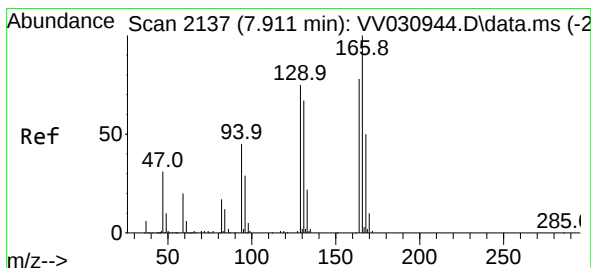
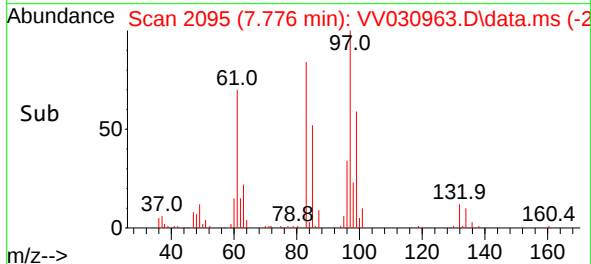
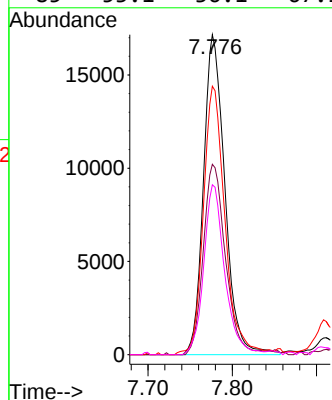
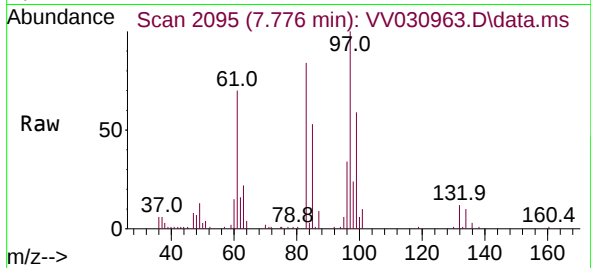




#45
1,1,2-Trichloroethane
Concen: 4.876 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.003 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

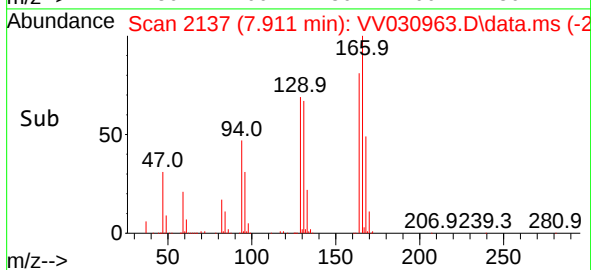
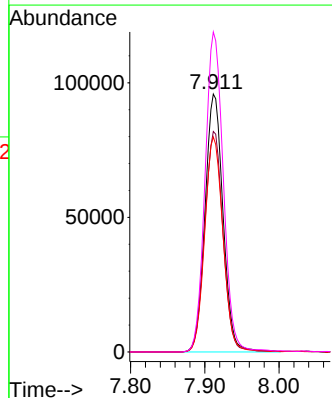
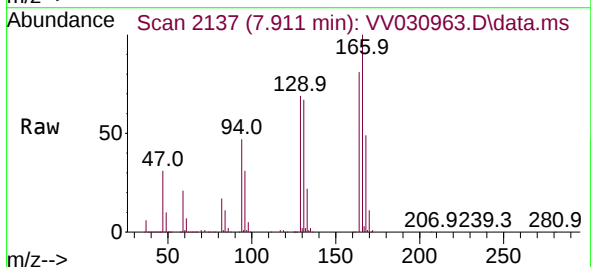
Instrument :
MSVOA_V
ClientSampleId :
HOA37MSD

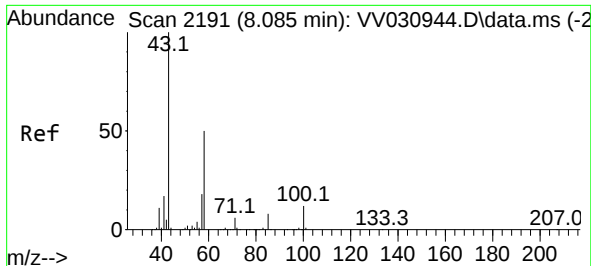
Tgt Ion: 97	Resp: 30310
Ion Ratio	Lower Upper
97 100	
99 59.5	42.8 79.6
83 83.9	57.5 106.7
85 53.1	36.1 67.1



#47
Tetrachloroethene
Concen: 18.000 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.003 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Tgt	Ion:164	Resp:	161660
Ion	Ratio	Lower	Upper
164	100		
129	85.5	60.5	112.3
131	83.4	60.8	112.8
166	124.1	85.9	159.5



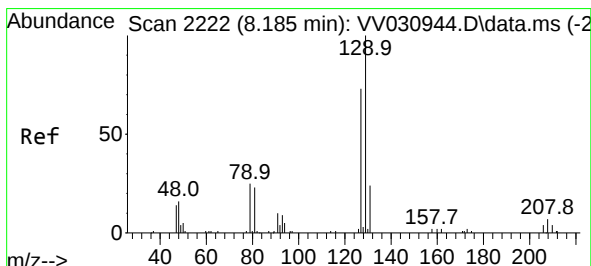
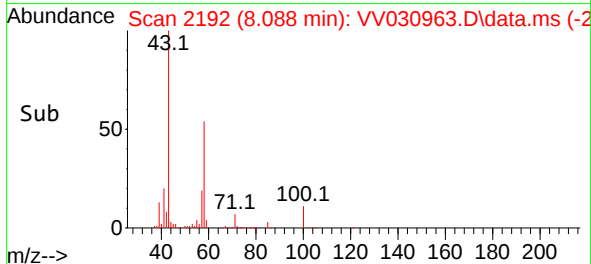
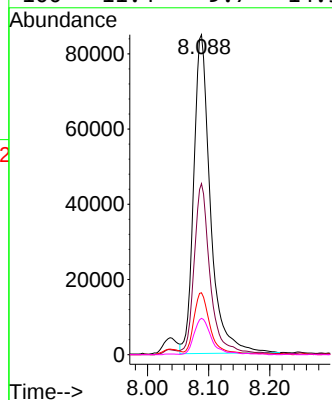
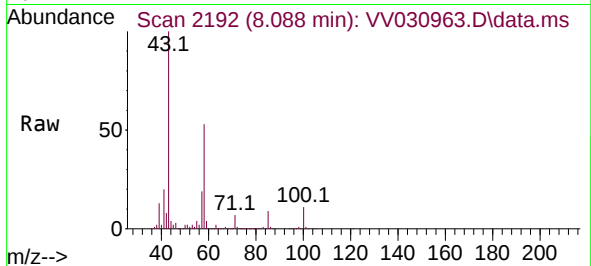


#48
2-Hexanone
Concen: 48.428 ug/L
RT: 8.088 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Instrument :
MSVOA_V
ClientSampleId :
HOA37MSD

Tgt Ion: 43 Resp: 161220

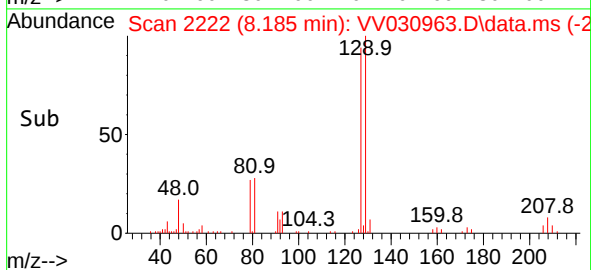
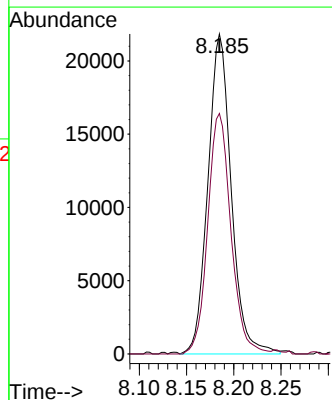
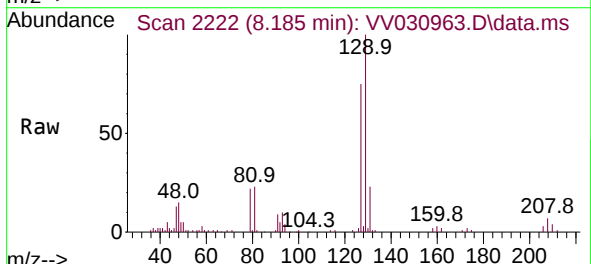
Ion	Ratio	Lower	Upper
43	100		
58	49.9	39.9	59.9
57	19.0	14.1	21.1
100	11.4	9.7	14.5

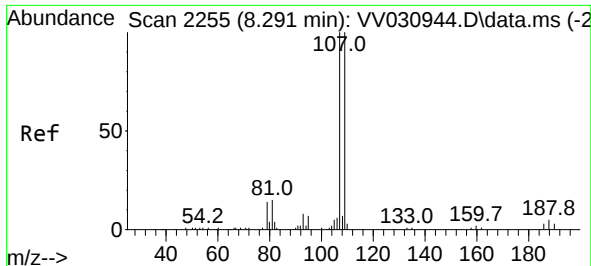


#49
Dibromochloromethane
Concen: 4.801 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Tgt Ion: 129 Resp: 37542

Ion	Ratio	Lower	Upper
129	100		
127	75.2	55.3	102.7





#50

1,2-Dibromoethane

Concen: 4.726 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

Instrument :

MSVOA_V

ClientSampleId :

HOA37MSD

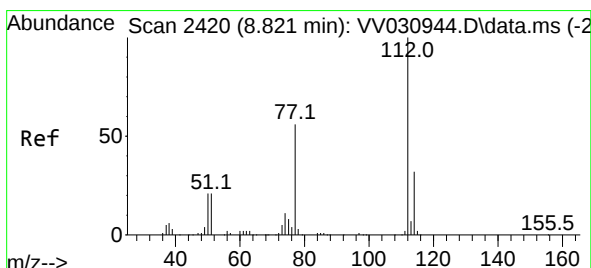
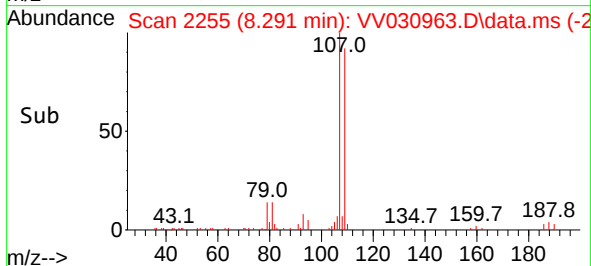
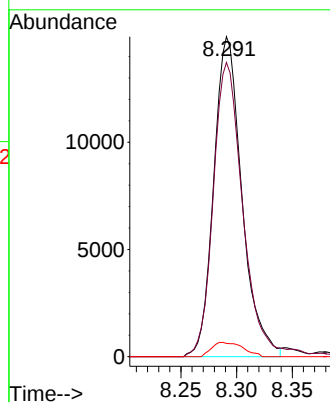
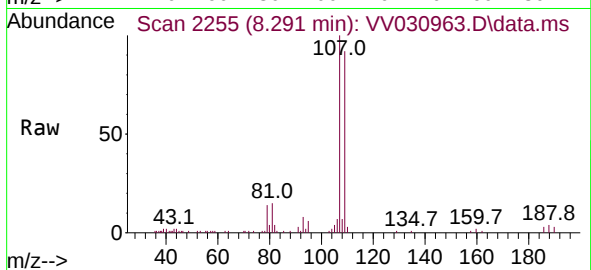
Tgt Ion:107 Resp: 26199

Ion Ratio Lower Upper

107 100

109 92.0 64.9 120.5

188 4.1 3.2 4.8



#51

Chlorobenzene

Concen: 4.758 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

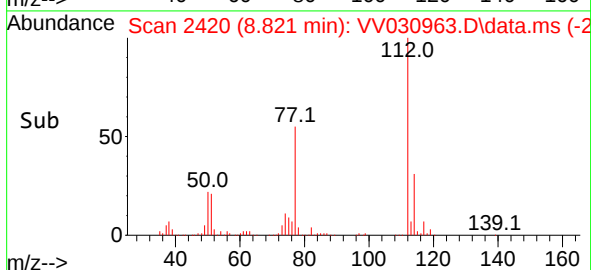
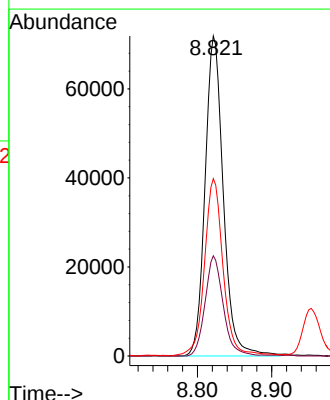
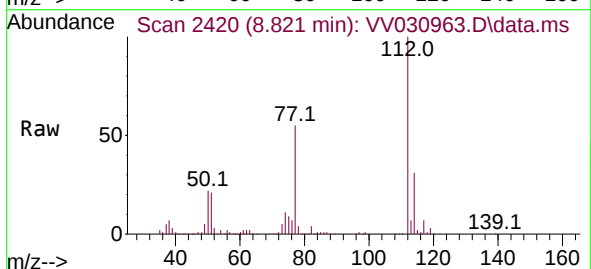
Tgt Ion:112 Resp: 122655

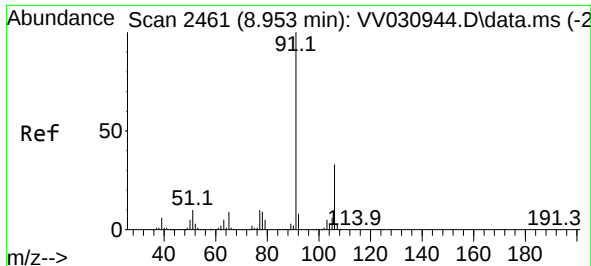
Ion Ratio Lower Upper

112 100

114 31.3 22.5 41.9

77 55.4 45.3 67.9

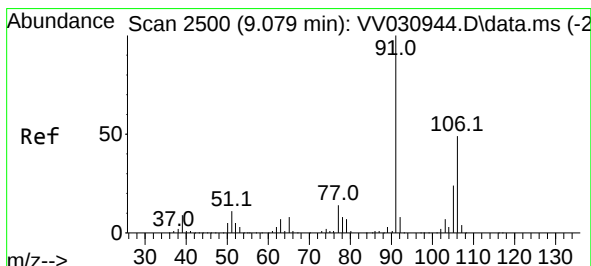
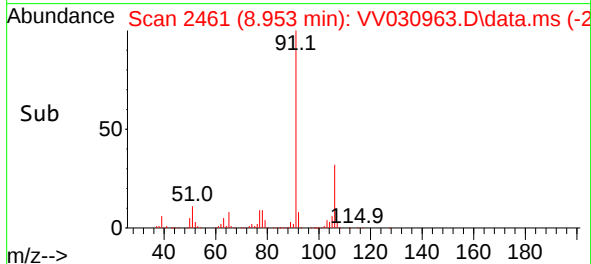
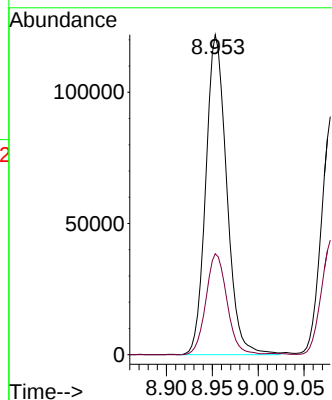
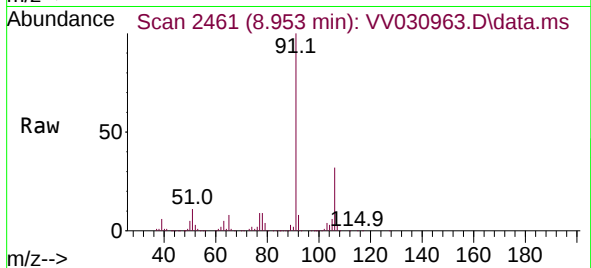




#52
Ethylbenzene
Concen: 4.668 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

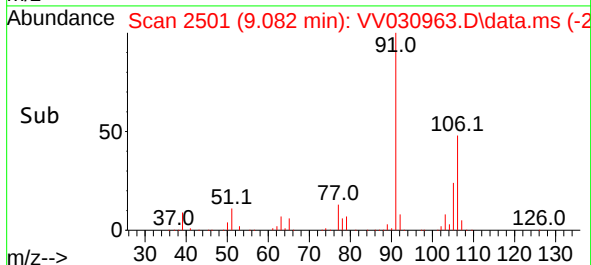
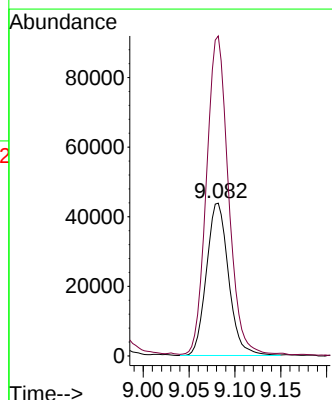
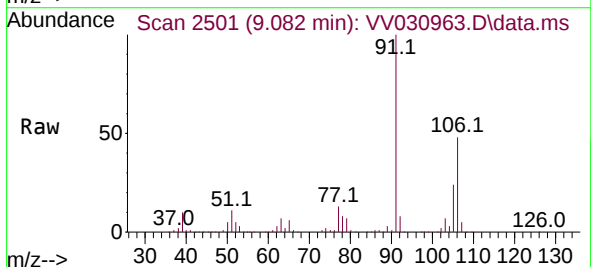
Instrument :
MSVOA_V
ClientSampleId :
HOA37MSD

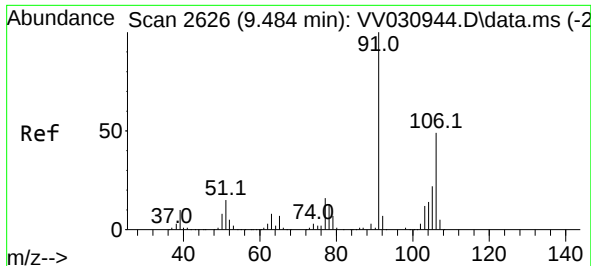
Tgt Ion: 91 Resp: 193527
Ion Ratio Lower Upper
91 100
106 31.5 21.4 39.8



#53
m,p-Xylene
Concen: 4.449 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Tgt Ion: 106 Resp: 73599
Ion Ratio Lower Upper
106 100
91 209.5 138.7 257.5

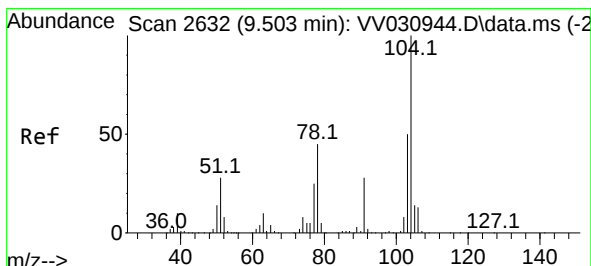
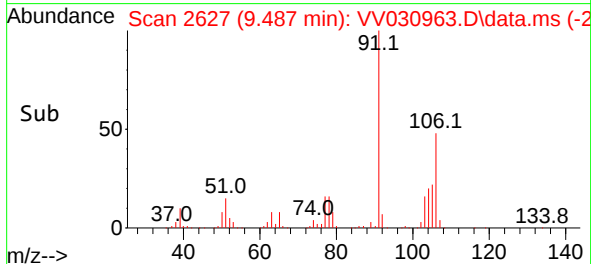
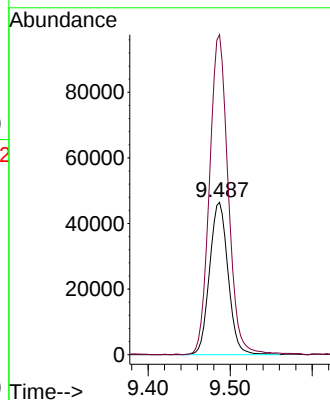
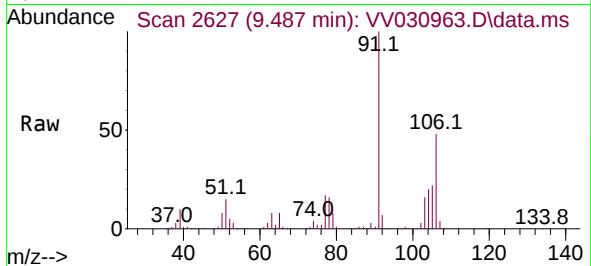




#54
o-Xylene
Concen: 4.622 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

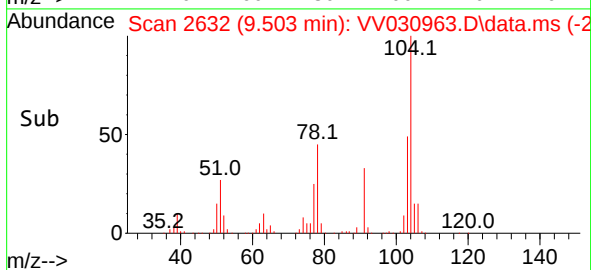
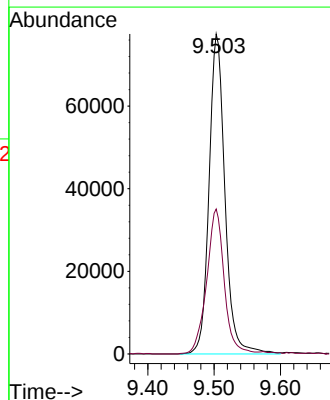
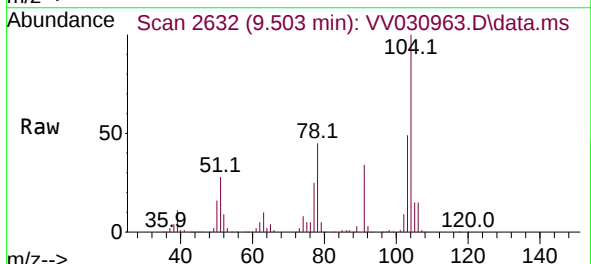
Instrument :
MSVOA_V
ClientSampleId :
HOA37MSD

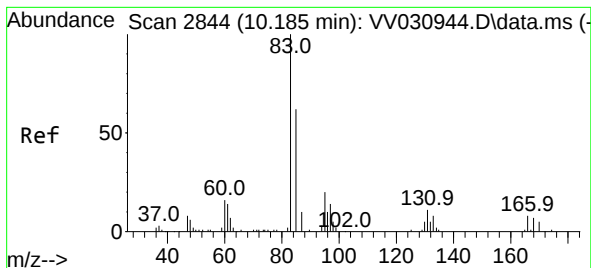
Tgt Ion:106 Resp: 72770
Ion Ratio Lower Upper
106 100
91 210.0 145.1 269.5



#55
Styrene
Concen: 4.857 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Tgt Ion:104 Resp: 129045
Ion Ratio Lower Upper
104 100
78 45.3 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.936 ug/L

RT: 10.188 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

Instrument :

MSVOA_V

ClientSampleId :

HOA37MSD

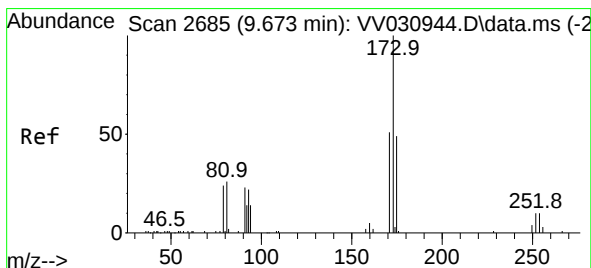
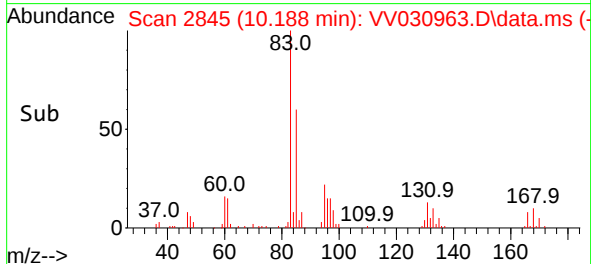
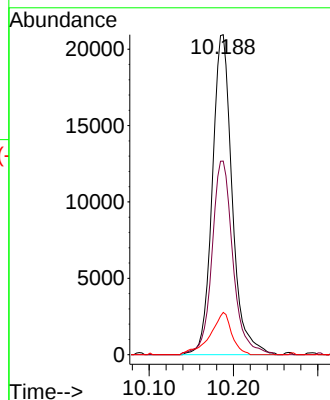
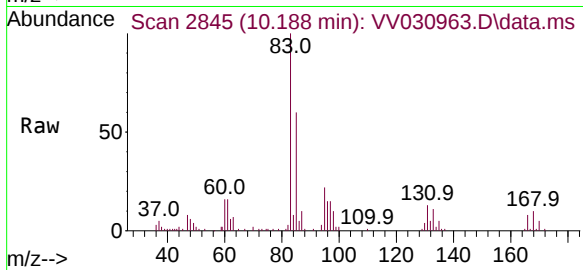
Tgt Ion: 83 Resp: 34292

Ion Ratio Lower Upper

83 100

85 60.5 45.2 84.0

131 13.2 8.3 12.5#



#59

Bromoform

Concen: 4.760 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

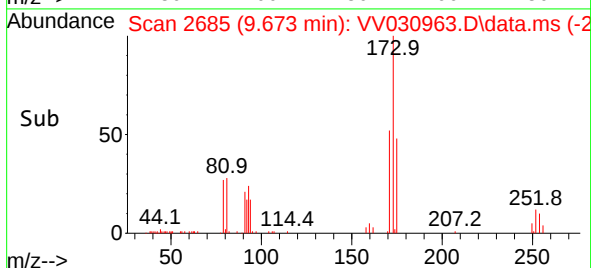
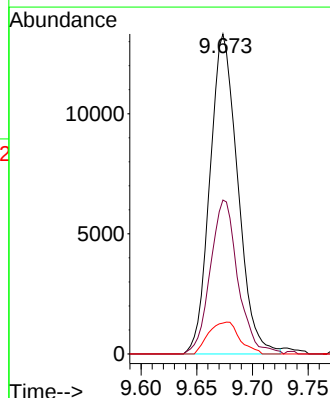
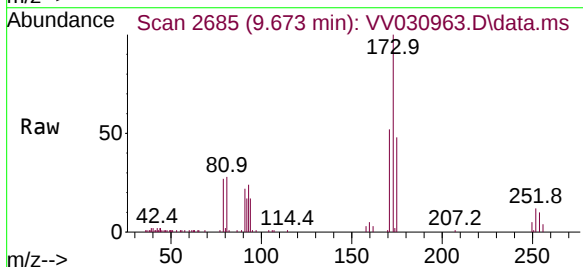
Tgt Ion: 173 Resp: 23150

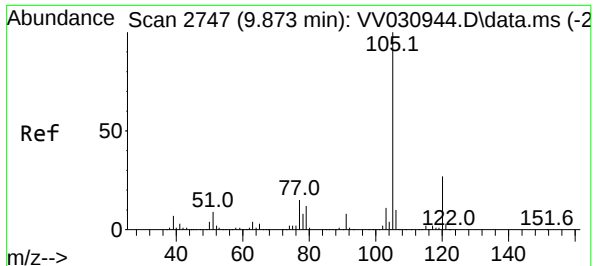
Ion Ratio Lower Upper

173 100

175 47.7 39.9 59.9

254 11.0 9.7 14.5

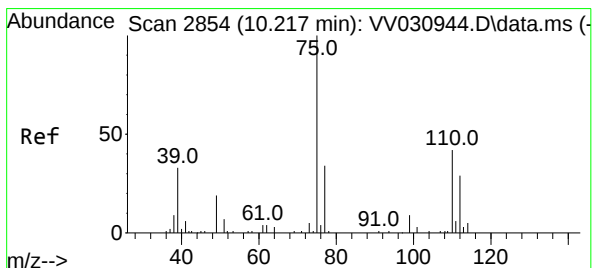
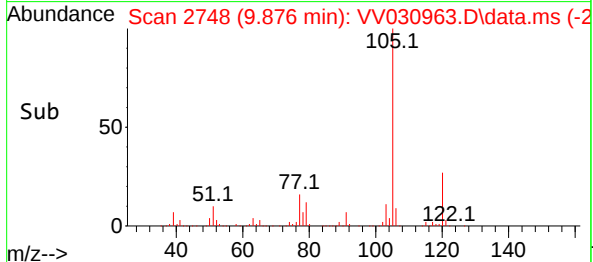
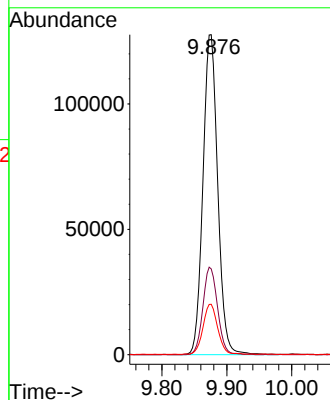
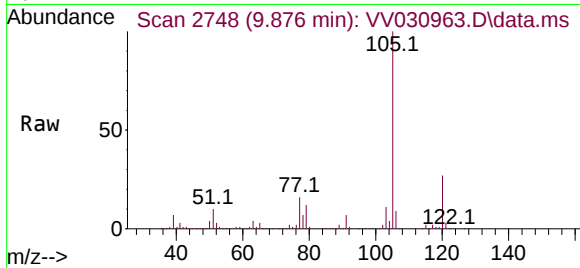




#60
Isopropylbenzene
Concen: 4.541 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

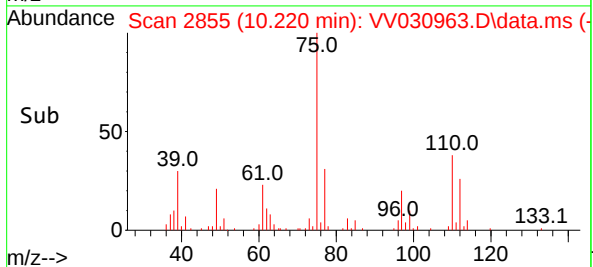
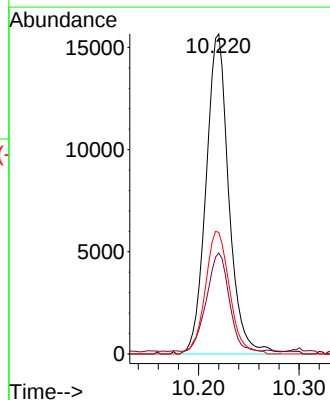
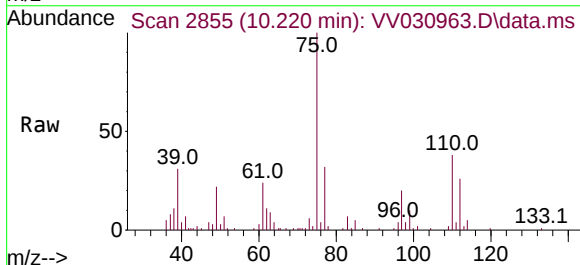
Instrument :
MSVOA_V
ClientSampleId :
HOA37MSD

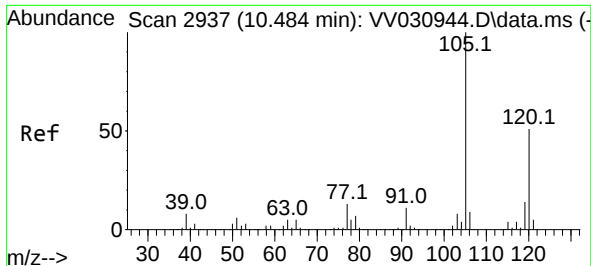
Tgt Ion:105 Resp: 202274
Ion Ratio Lower Upper
105 100
120 27.1 22.2 33.4
77 15.6 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.755 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Tgt Ion: 75 Resp: 24681
Ion Ratio Lower Upper
75 100
77 30.1 25.3 37.9
110 40.7 34.0 51.0





#62

1,3,5-Trimethylbenzene

Concen: 4.371 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

Instrument :

MSVOA_V

ClientSampleId :

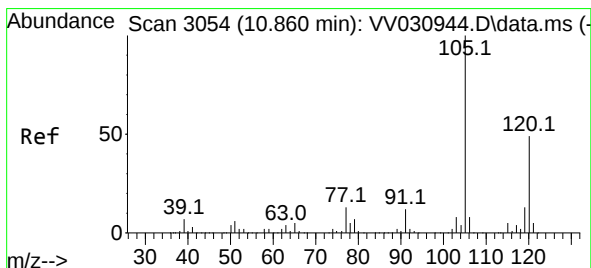
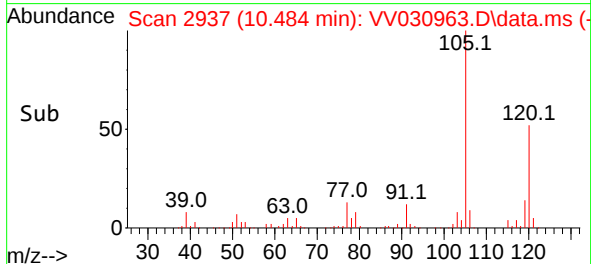
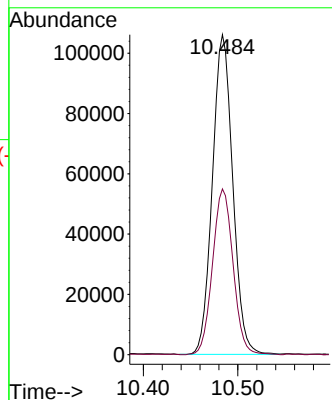
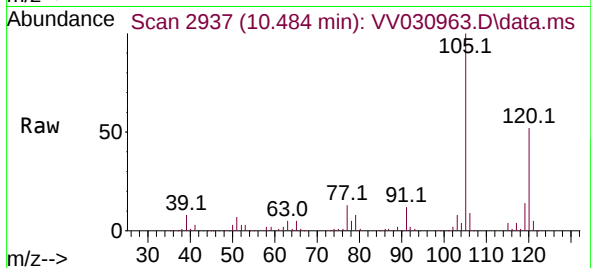
HOA37MSD

Tgt Ion:105 Resp: 158510

Ion Ratio Lower Upper

105 100

120 52.4 40.2 60.4



#63

1,2,4-Trimethylbenzene

Concen: 4.426 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030963.D

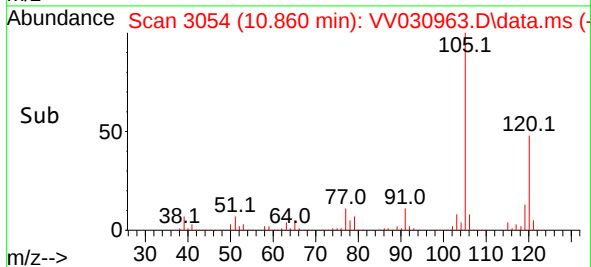
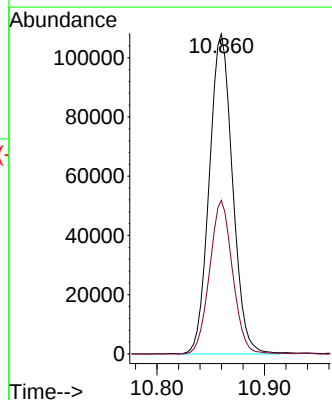
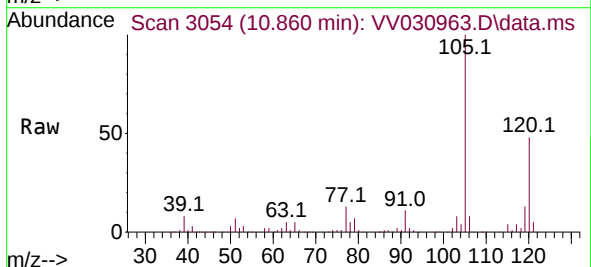
Acq: 01 May 2023 18:16

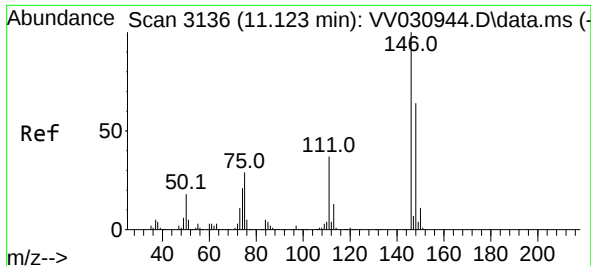
Tgt Ion:105 Resp: 162644

Ion Ratio Lower Upper

105 100

120 47.3 37.9 56.9

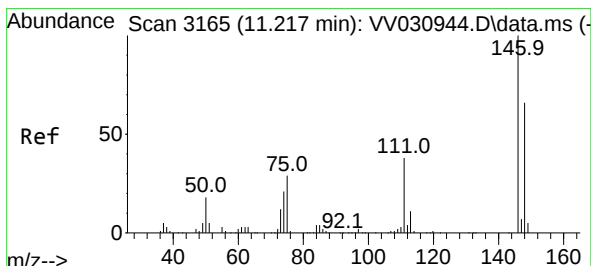
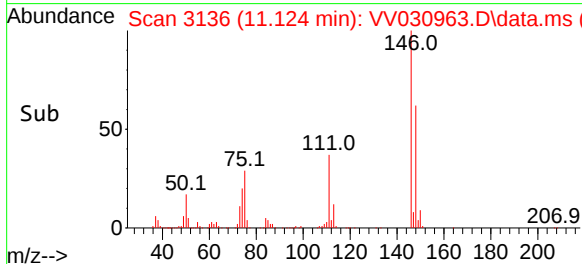
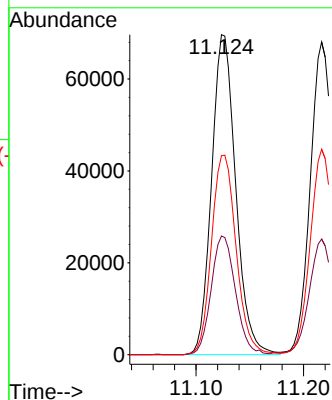
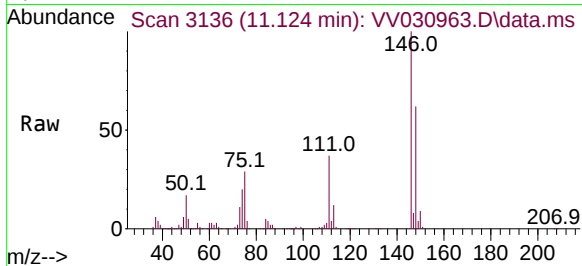




#64
1,3-Dichlorobenzene
Concen: 4.754 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

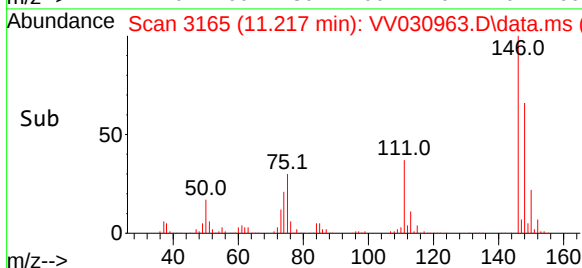
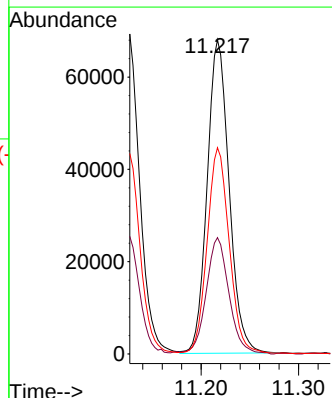
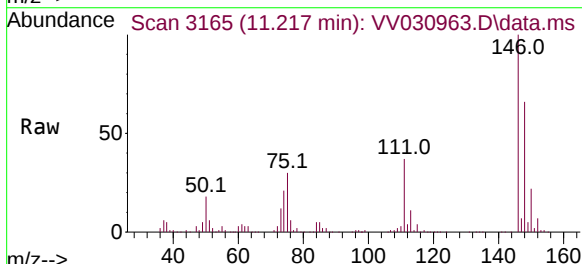
Instrument :
MSVOA_V
ClientSampleId :
HOA37MSD

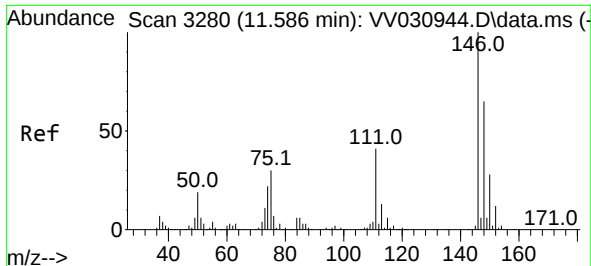
Tgt Ion:146 Resp: 108763
Ion Ratio Lower Upper
146 100
111 37.1 26.5 49.3
148 62.2 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.611 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030963.D
Acq: 01 May 2023 18:16

Tgt Ion:146 Resp: 106440
Ion Ratio Lower Upper
146 100
111 37.0 23.9 44.5
148 65.7 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 4.671 ug/L

RT: 11.587 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

Instrument :

MSVOA_V

ClientSampleId :

HOA37MSD

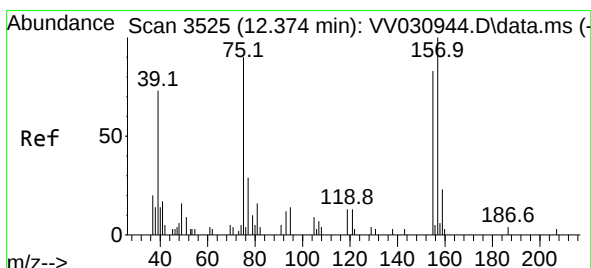
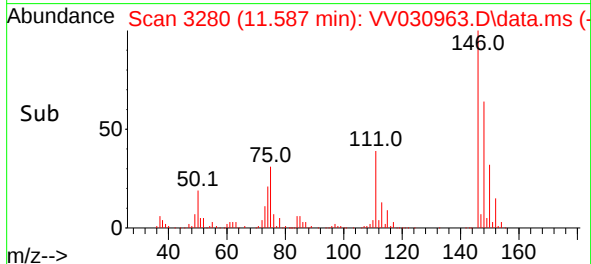
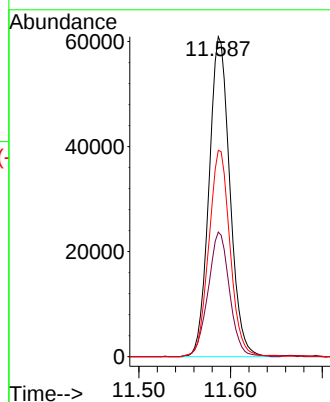
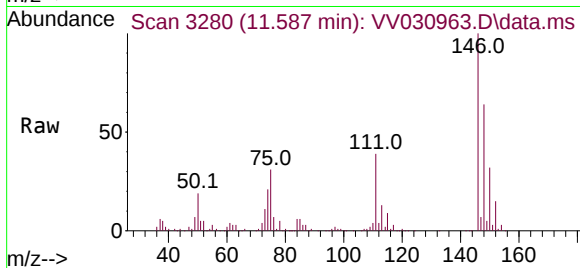
Tgt Ion:146 Resp: 96096

Ion Ratio Lower Upper

146 100

111 39.0 34.0 51.0

148 64.5 53.8 80.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.567 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

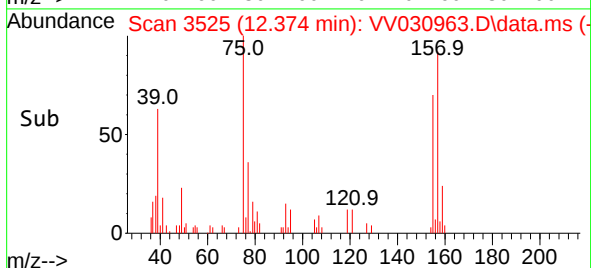
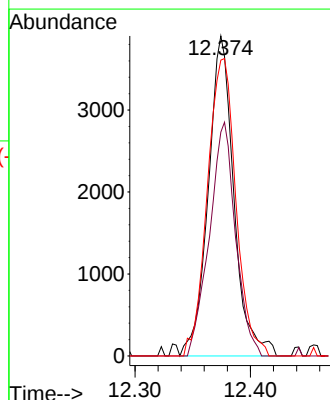
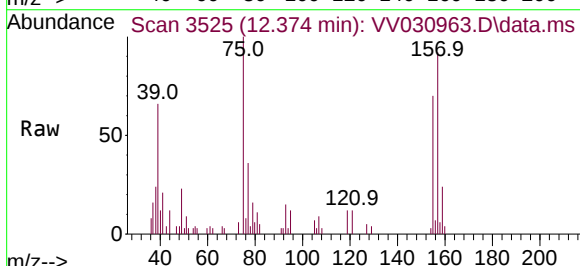
Tgt Ion: 75 Resp: 6017

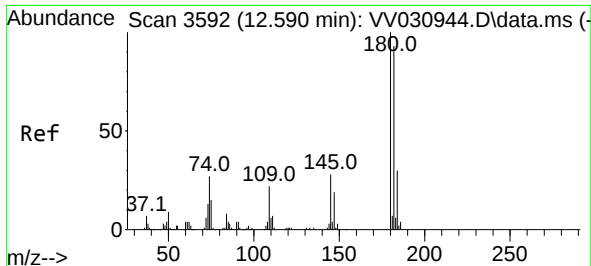
Ion Ratio Lower Upper

75 100

155 70.0 56.2 84.4

157 92.4 83.1 124.7





#69

1,3,5-Trichlorobenzene

Concen: 4.575 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

Instrument :

MSVOA_V

ClientSampleId :

HOA37MSD

Tgt Ion:180 Resp: 82884

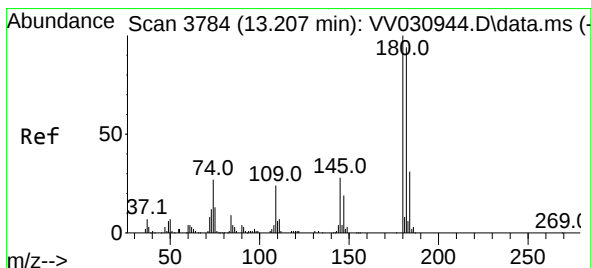
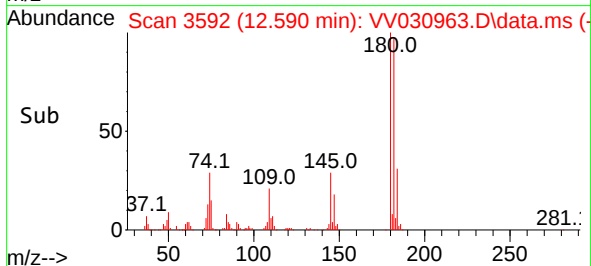
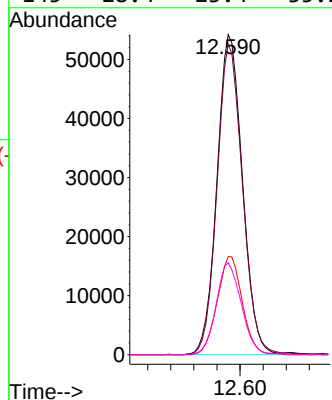
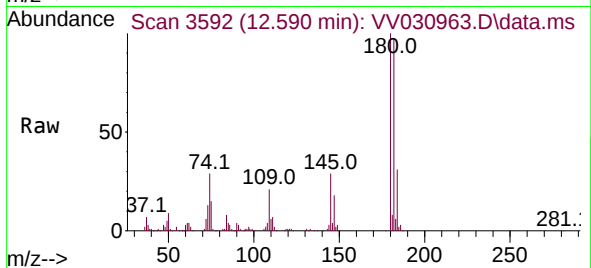
Ion Ratio Lower Upper

180 100

182 96.9 75.1 112.7

184 30.2 24.1 36.1

145 28.4 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 4.725 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

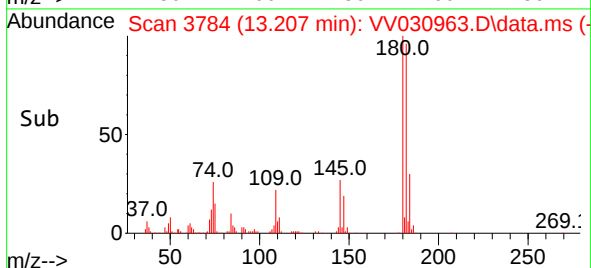
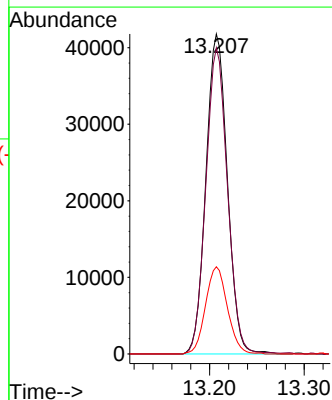
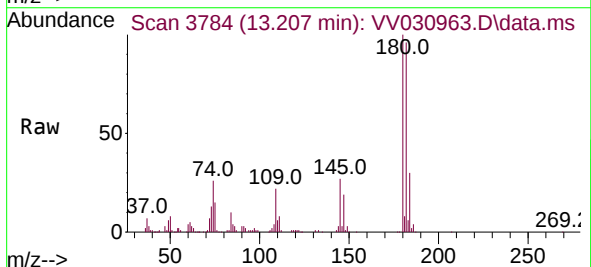
Tgt Ion:180 Resp: 65773

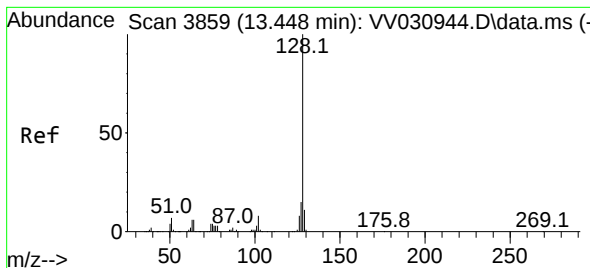
Ion Ratio Lower Upper

180 100

182 96.4 76.0 114.0

145 27.8 22.9 34.3





#71

Naphthalene

Concen: 4.474 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.003 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

Instrument :

MSVOA_V

ClientSampleId :

HOA37MSD

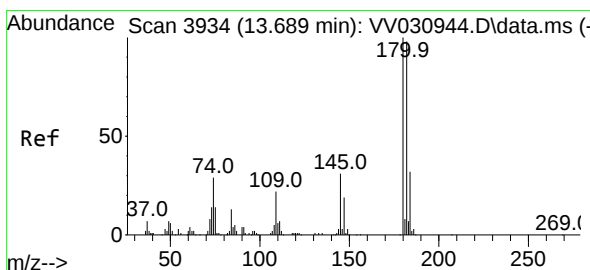
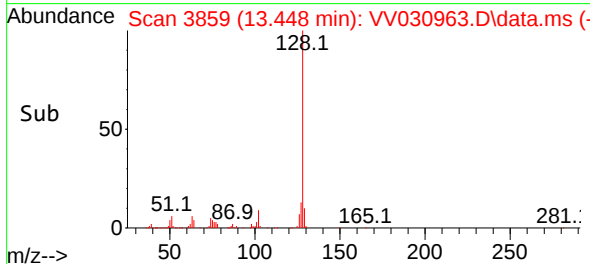
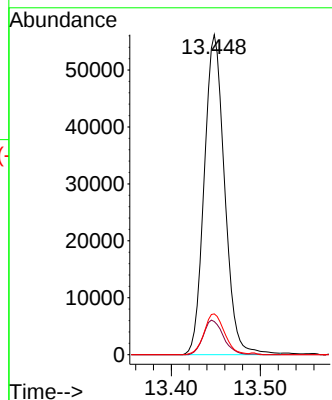
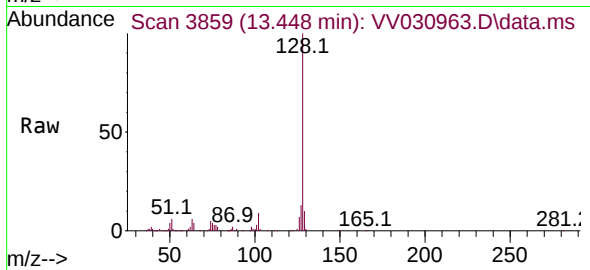
Tgt Ion:128 Resp: 89305

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

127 12.9 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.762 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030963.D

Acq: 01 May 2023 18:16

Tgt Ion:180 Resp: 56111

Ion Ratio Lower Upper

180 100

182 97.6 77.3 115.9

145 29.2 24.7 37.1

