

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060523\
 Data File : VW031359.D
 Acq On : 05 Jun 2023 20:06
 Operator : SY/MD
 Sample : 03000-07MSD 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F6C29MSD

Quant Time: Jun 06 02:12:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jun 06 02:05:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	144107	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	136830	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	76911	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	50880	3.471	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.400%
7) Chloroethane-d5	1.529	69	45664	3.688	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.800%
11) 1,1-Dichloroethene-d2	2.053	65	25730	3.615	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.400%
20) 2-Butanone-d5	3.847	46	68697	20.247	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	40.500%
24) Chloroform-d	4.252	84	109721	4.452	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
26) 1,2-Dichloroethane-d4	4.950	65	56065	4.241	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
32) Benzene-d6	4.966	84	195209	4.693	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	5.995	67	63488	4.519	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.249	98	181350	4.643	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	7.561	79	23264	4.548	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.037	63	95660	46.553	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.100%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	46046	4.311	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.200%
66) 1,2-Dichlorobenzene-d4	11.567	152	63656	4.388	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	78087	4.015	ug/L	100
3) Chloromethane	1.214	50	72708	3.784	ug/L	99
5) Vinyl chloride	1.281	62	83497	4.347	ug/L	98
6) Bromomethane	1.484	94	41605	3.779	ug/L	94
8) Chloroethane	1.545	64	46010	3.842	ug/L	98
9) Trichlorofluoromethane	1.709	101	122660	4.336	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	63113	4.036	ug/L	97
12) 1,1-Dichloroethene	2.063	96	56184	4.173	ug/L	96
13) Acetone	2.169	43	24503	6.249	ug/L	99
14) Carbon disulfide	2.233	76	157559	3.948	ug/L	99
15) Methyl Acetate	2.397	43	13192	1.732	ug/L #	73
16) Methylene chloride	2.445	84	68640	4.194	ug/L	98
17) Methyl tert-butyl Ether	2.712	73	136416	4.446	ug/L #	56
18) trans-1,2-Dichloroethene	2.693	96	57443	4.499	ug/L	96
19) 1,1-Dichloroethane	3.114	63	119672	4.220	ug/L	98
21) 2-Butanone	3.924	43	142842	28.012	ug/L	99
22) cis-1,2-Dichloroethene	3.818	96	271122	20.955	ug/L	100
23) Bromochloromethane	4.153	128	26138	4.273	ug/L	90
25) Chloroform	4.284	83	115507	3.895	ug/L	99

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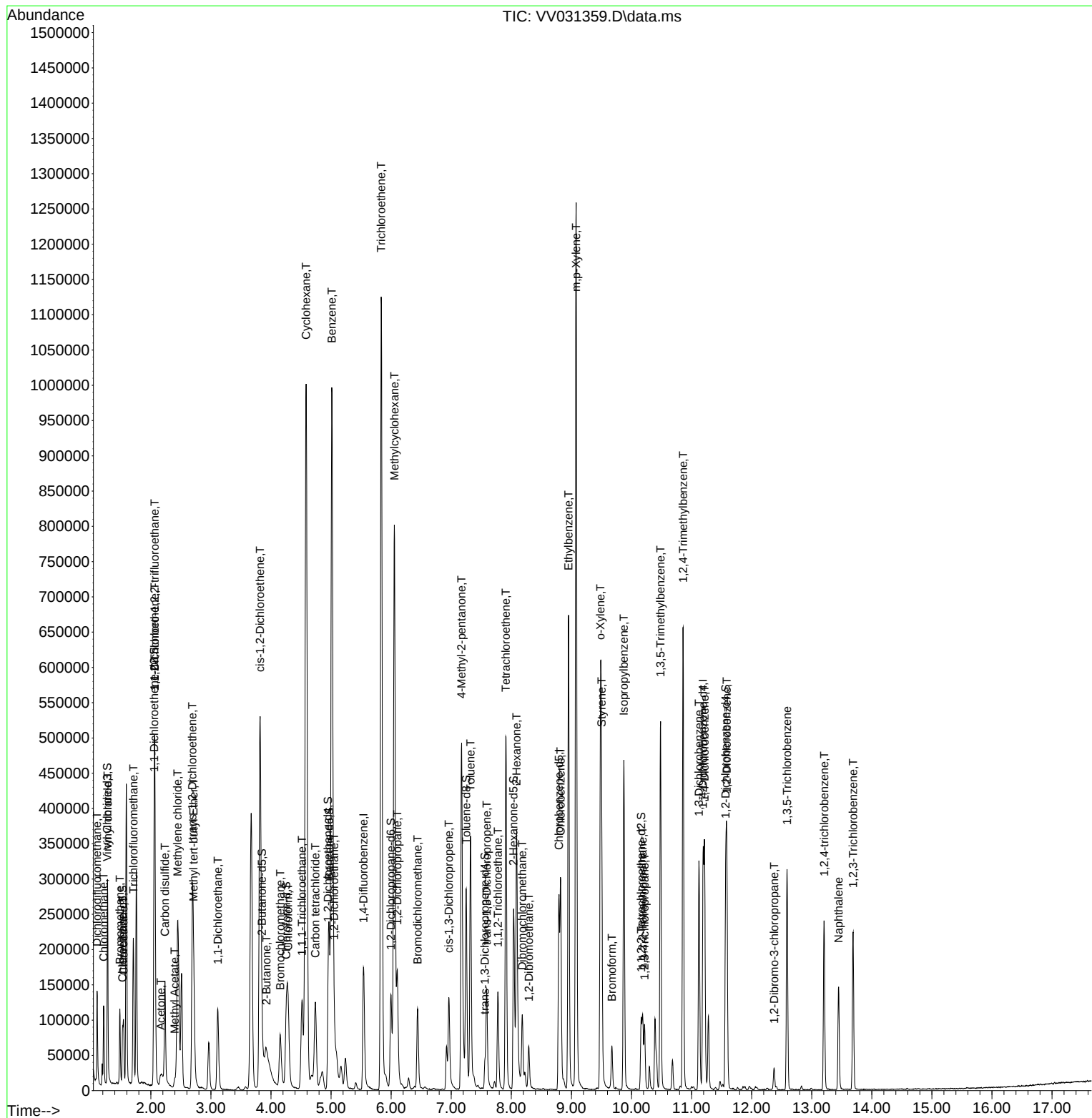
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	81818	4.747	ug/L	97
29) 1,1,1-Trichloroethane	4.516	97	105917	4.656	ug/L	100
30) Cyclohexane	4.583	56	567297	27.465	ug/L	96
31) Carbon tetrachloride	4.738	117	95743	4.719	ug/L	97
33) Benzene	5.011	78	970985	19.940	ug/L	100
34) Trichloroethene	5.834	95	402999	30.642	ug/L	98
35) Methylcyclohexane	6.053	83	317159	16.199	ug/L	96
37) 1,2-Dichloropropane	6.101	63	64641	4.510	ug/L	98
38) Bromodichloromethane	6.439	83	80409	4.388	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	84955	4.516	ug/L	97
40) 4-Methyl-2-pentanone	7.172	43	382915	45.537	ug/L	97
42) Toluene	7.320	91	255896	4.953	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	71798	4.437	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	41568	4.273	ug/L	97
47) Tetrachloroethene	7.908	164	108848	10.621	ug/L	98
48) 2-Hexanone	8.088	43	265749	39.794	ug/L	99
49) Dibromochloromethane	8.181	129	49861	4.590	ug/L	96
50) 1,2-Dibromoethane	8.291	107	39230	4.360	ug/L	91
51) Chlorobenzene	8.821	112	147100	4.570	ug/L	99
52) Ethylbenzene	8.953	91	453447	8.389	ug/L	97
53) m,p-Xylene	9.079	106	319495	16.431	ug/L	98
54) o-Xylene	9.484	106	123964	6.802	ug/L	99
55) Styrene	9.503	104	171121	5.279	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.185	83	49276	4.250	ug/L	97
59) Bromoform	9.673	173	27218	4.392	ug/L	97
60) Isopropylbenzene	9.873	105	280828	5.083	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	36974	3.935	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	268394	5.995	ug/L	97
63) 1,2,4-Trimethylbenzene	10.860	105	337800	7.310	ug/L	97
64) 1,3-Dichlorobenzene	11.123	146	125279	4.682	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	123438	4.405	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	113175	4.410	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	8686	4.030	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	93610	4.708	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	71602	4.490	ug/L	98
71) Naphthalene	13.448	128	113560	4.642	ug/L	98
72) 1,2,3-Trichlorobenzene	13.689	180	63839	4.463	ug/L	97

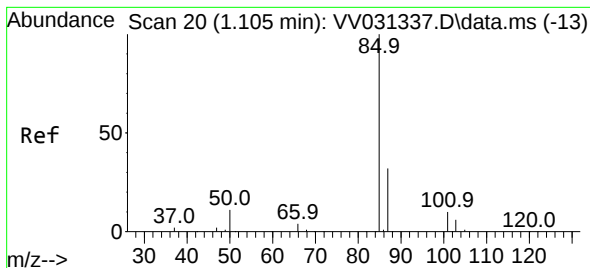
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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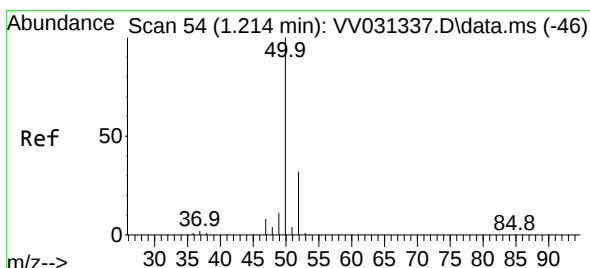
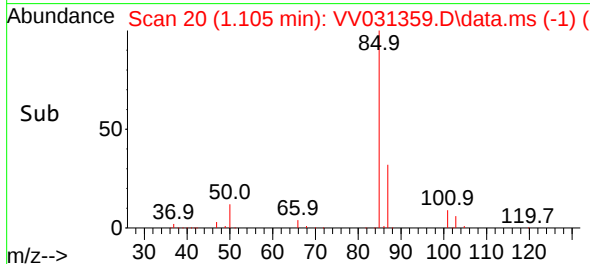
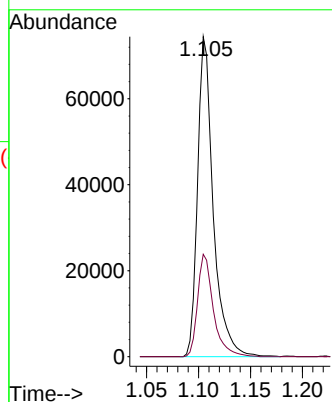
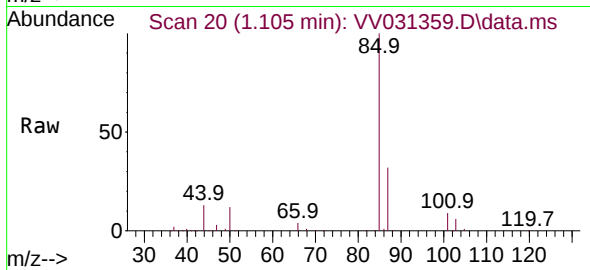




#2
 Dichlorodifluoromethane
 Concen: 4.015 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV031359.D
 Acq: 05 Jun 2023 20:06

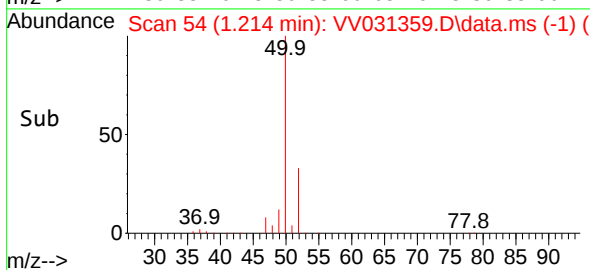
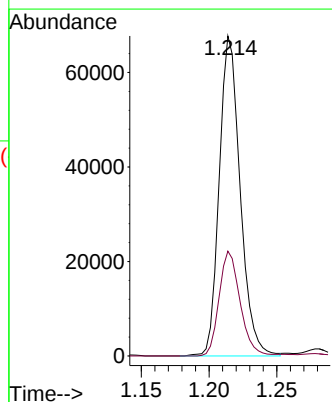
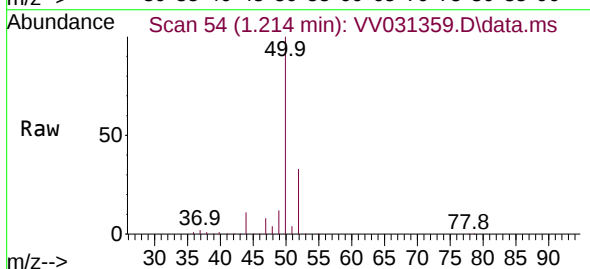
Instrument :
 MSVOA_V
 ClientSampleId :
 F6C29MSD

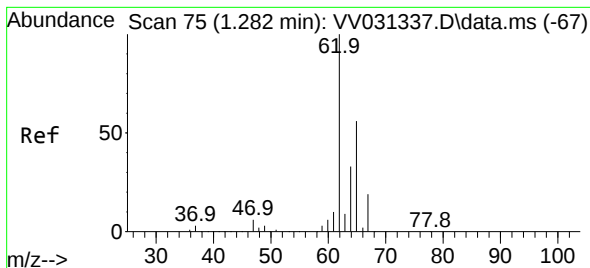
Tgt Ion: 85 Resp: 78087
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.6 38.4



#3
 Chloromethane
 Concen: 3.784 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV031359.D
 Acq: 05 Jun 2023 20:06

Tgt Ion: 50 Resp: 72708
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.2 43.2





#5

Vinyl chloride

Concen: 4.347 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.000 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

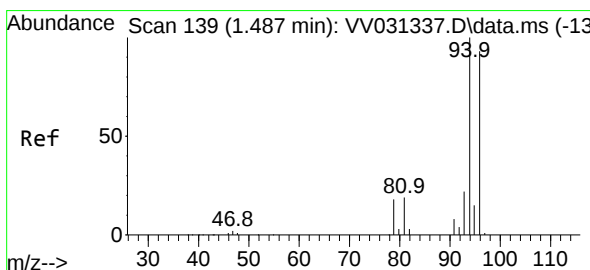
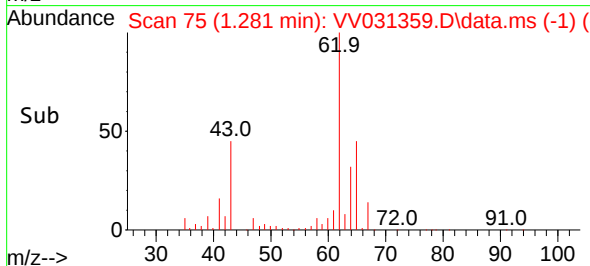
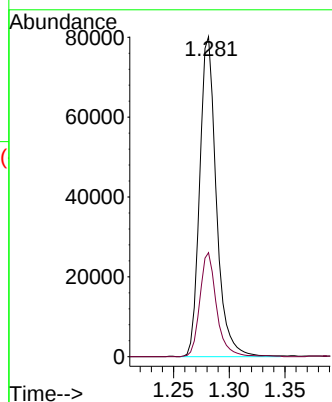
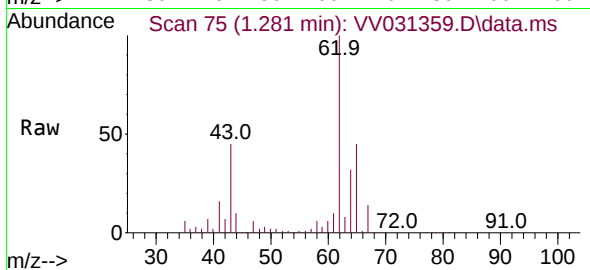
F6C29MSD

Tgt Ion: 62 Resp: 83497

Ion Ratio Lower Upper

62 100

64 32.5 22.0 40.8



#6

Bromomethane

Concen: 3.779 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.003 min

Lab File: VV031359.D

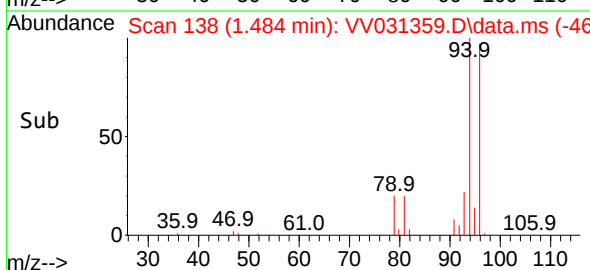
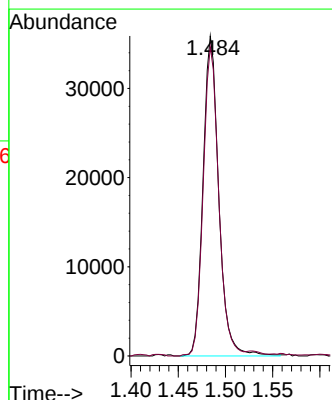
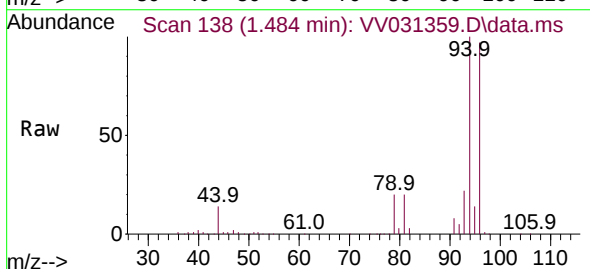
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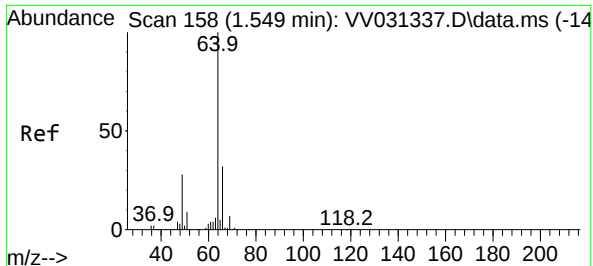
Tgt Ion: 94 Resp: 41605

Ion Ratio Lower Upper

94 100

96 96.6 63.7 118.3

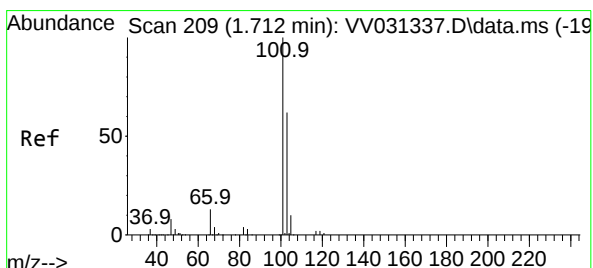
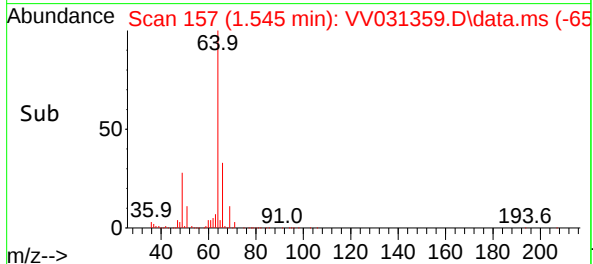
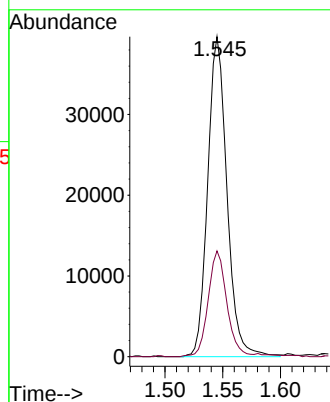
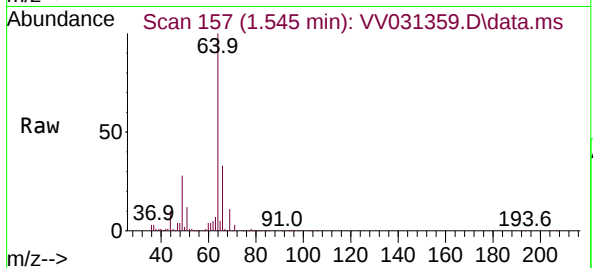




#8
Chloroethane
Concen: 3.842 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031359.D
Acq: 05 Jun 2023 20:06

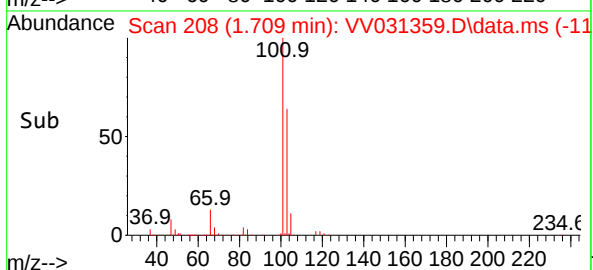
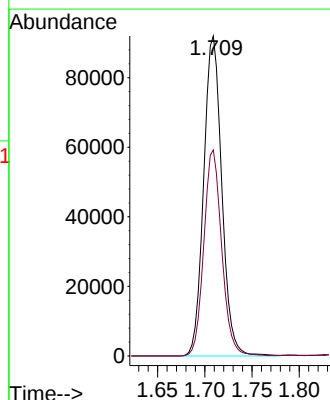
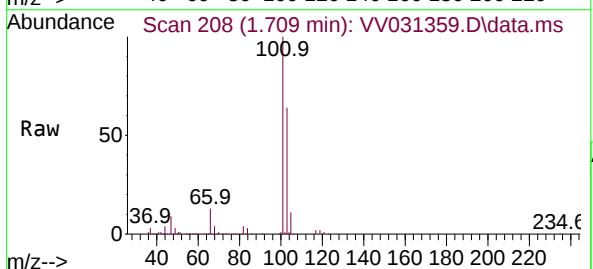
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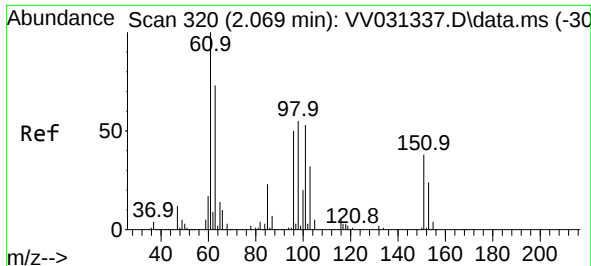
Tgt Ion: 64 Resp: 46010
Ion Ratio Lower Upper
64 100
66 33.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 4.336 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.003 min
Lab File: VV031359.D
Acq: 05 Jun 2023 20:06

Tgt Ion:101 Resp: 122660
Ion Ratio Lower Upper
101 100
103 63.5 51.4 77.0





#10

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

Concen: 4.036 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.007 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

F6C29MSD

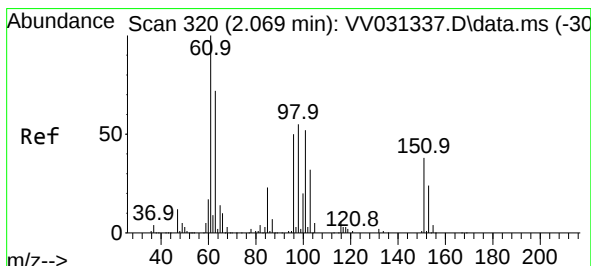
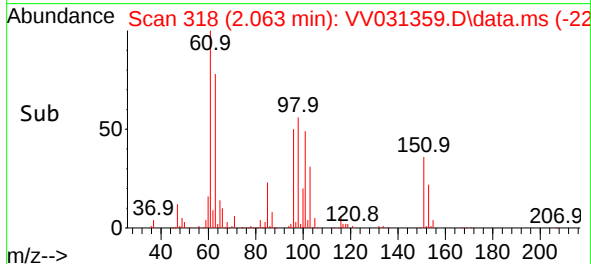
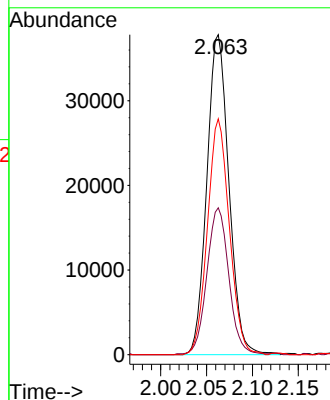
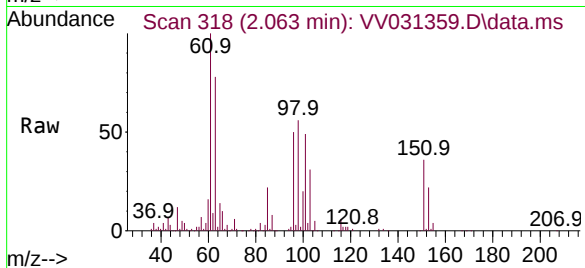
Tgt Ion:101 Resp: 63113

Ion Ratio Lower Upper

101 100

85 45.9 37.2 55.8

151 73.3 55.5 83.3



#12

1,1-Dichloroethene

Concen: 4.173 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.007 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

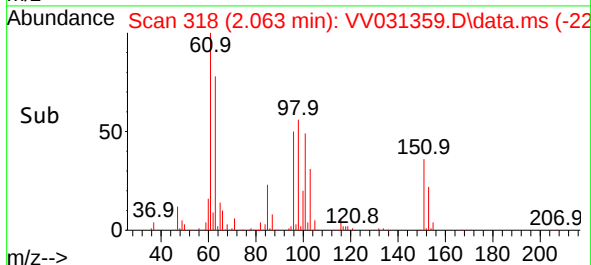
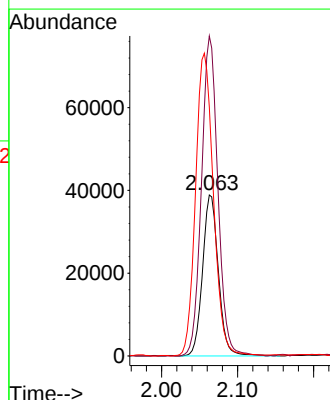
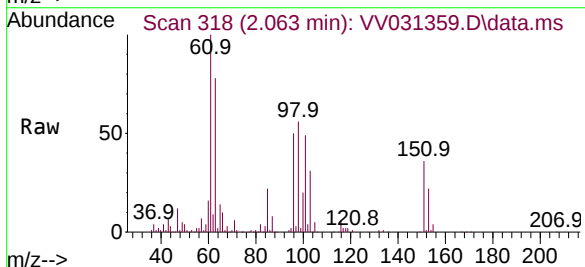
Tgt Ion: 96 Resp: 56184

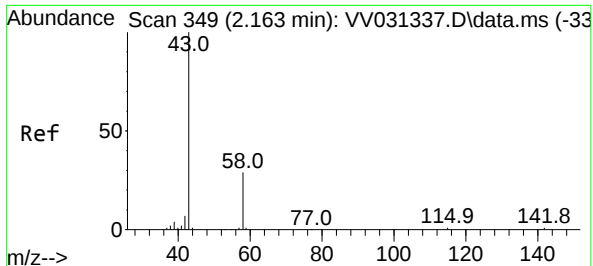
Ion Ratio Lower Upper

96 100

61 198.7 138.3 256.8

63 154.6 101.9 189.3





#13

Acetone

Concen: 6.249 ug/L

RT: 2.169 min Scan# 3

Delta R.T. 0.006 min

Lab File: VV031359.D

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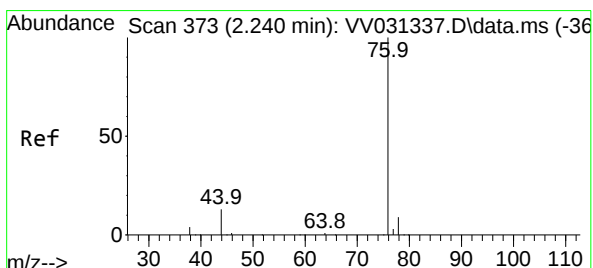
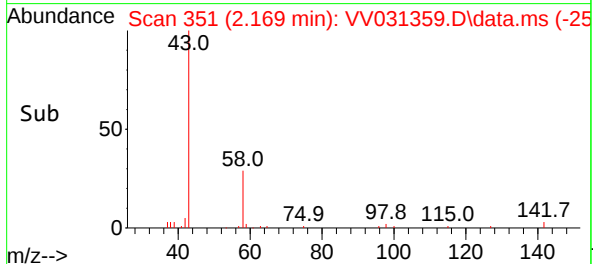
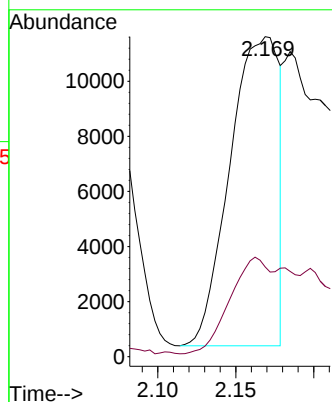
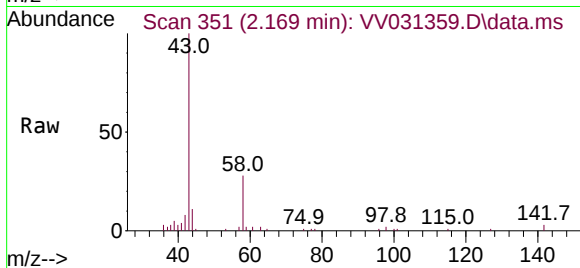
F6C29MSD

Tgt Ion: 43 Resp: 24503

Ion Ratio Lower Upper

43 100

58 24.7 0.0 48.4



#14

Carbon disulfide

Concen: 3.948 ug/L

RT: 2.233 min Scan# 371

Delta R.T. -0.007 min

Lab File: VV031359.D

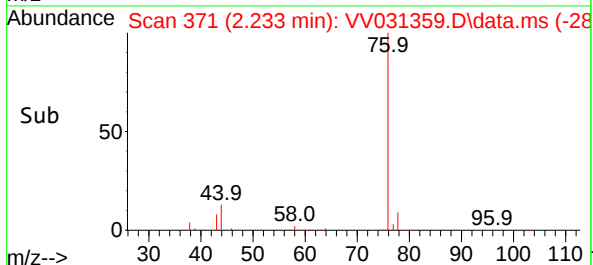
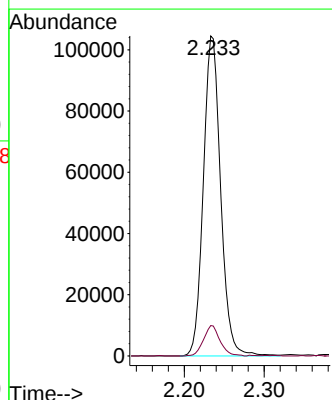
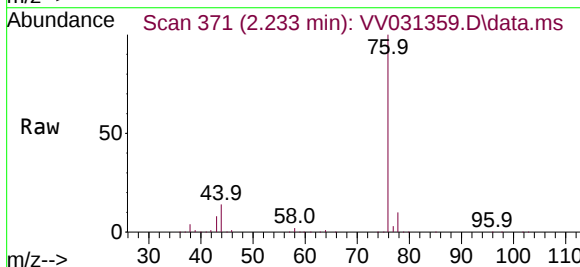
Acq: 05 Jun 2023 20:06

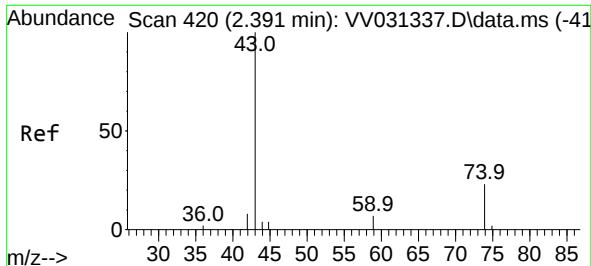
Tgt Ion: 76 Resp: 157559

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8

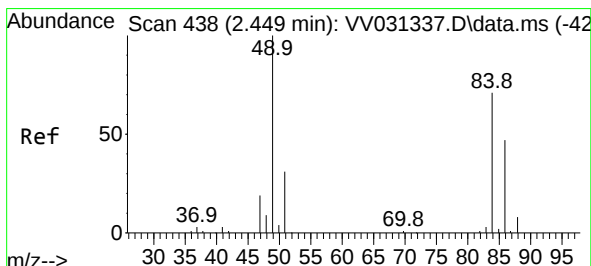
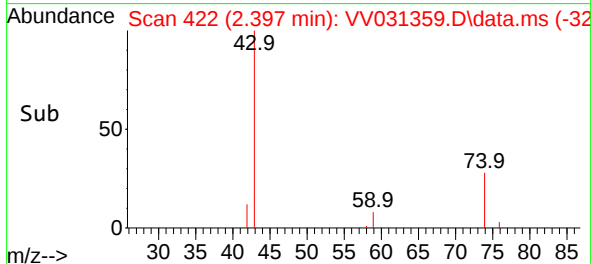
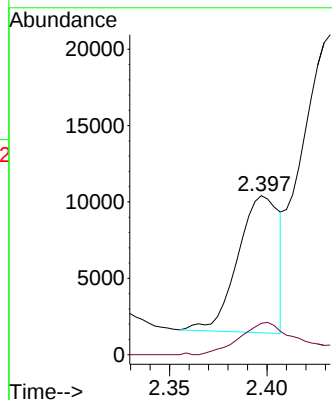
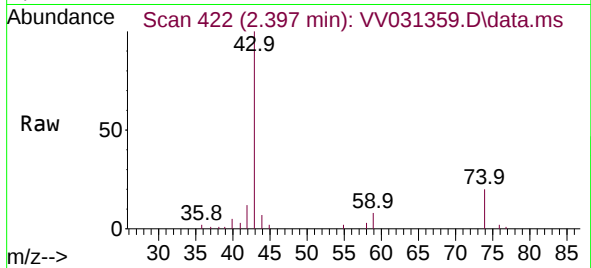




#15
Methyl Acetate
Concen: 1.732 ug/L
RT: 2.397 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV031359.D
Acq: 05 Jun 2023 20:06

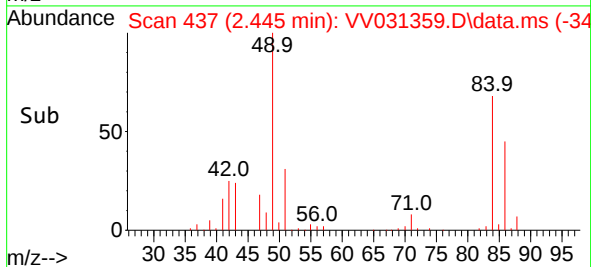
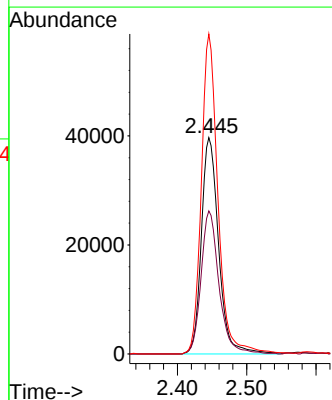
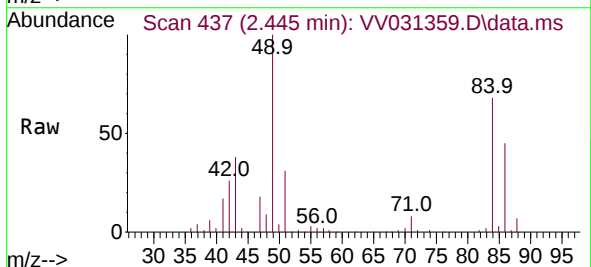
Instrument :
MSVOA_V
ClientSampleId :
F6C29MSD

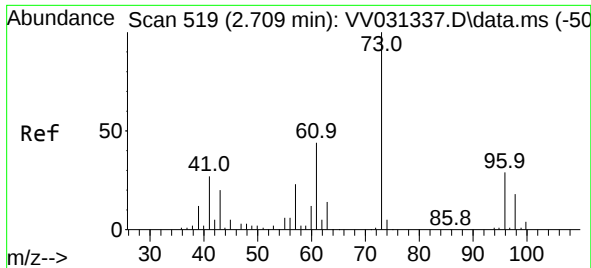
Tgt Ion: 43 Resp: 13192
Ion Ratio Lower Upper
43 100
74 32.4 16.2 24.2#



#16
Methylene chloride
Concen: 4.194 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV031359.D
Acq: 05 Jun 2023 20:06

Tgt Ion: 84 Resp: 68640
Ion Ratio Lower Upper
84 100
86 66.1 46.7 86.7
49 147.9 101.6 188.8





#17

Methyl tert-butyl Ether

Concen: 4.446 ug/L

RT: 2.712 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

F6C29MSD

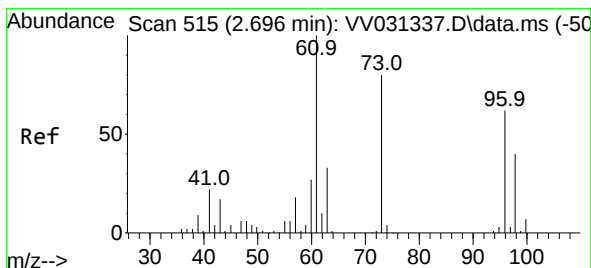
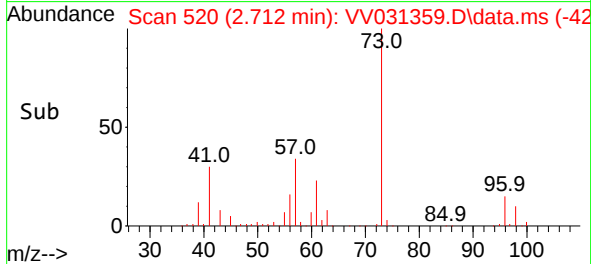
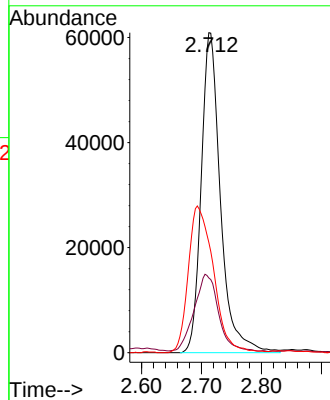
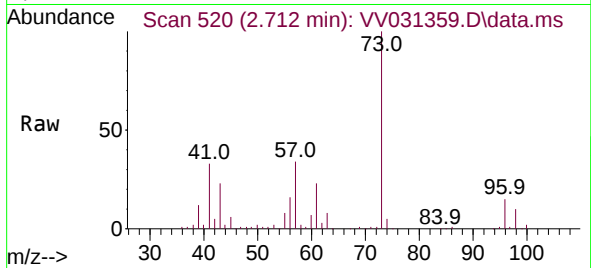
Tgt Ion: 73 Resp: 136416

Ion Ratio Lower Upper

73 100

43 30.0 17.8 26.8#

57 59.7 19.8 29.8#



#18

trans-1,2-Dichloroethene

Concen: 4.499 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.003 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

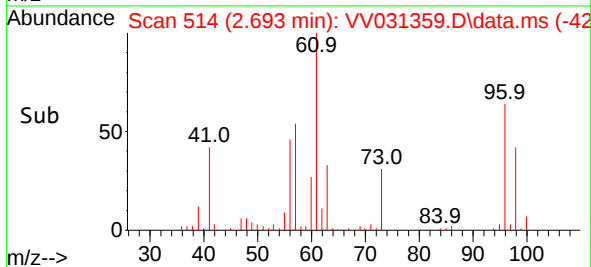
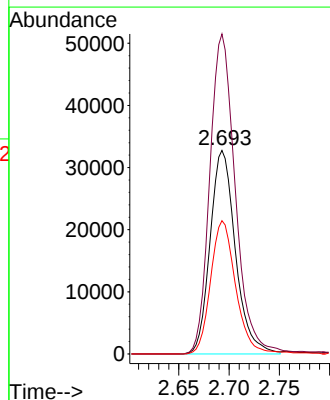
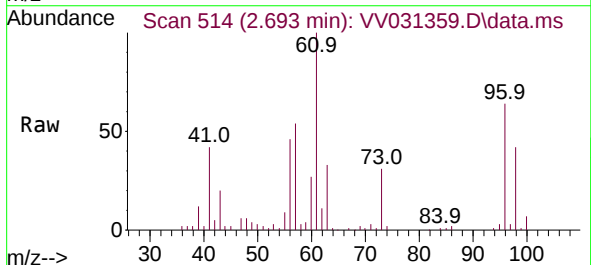
Tgt Ion: 96 Resp: 57443

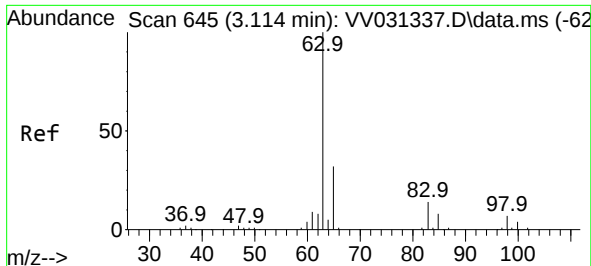
Ion Ratio Lower Upper

96 100

61 157.2 114.2 212.0

98 65.4 45.0 83.6





#19

1,1-Dichloroethane

Concen: 4.220 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

F6C29MSD

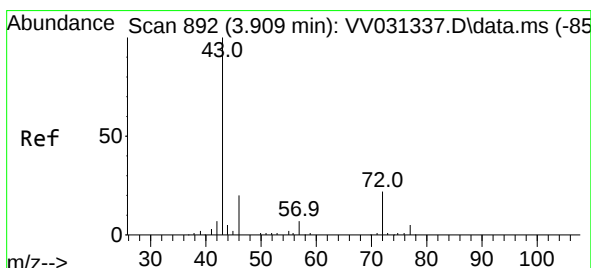
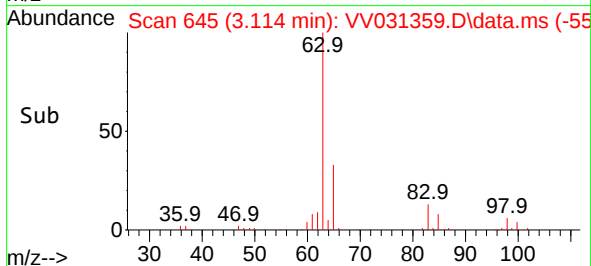
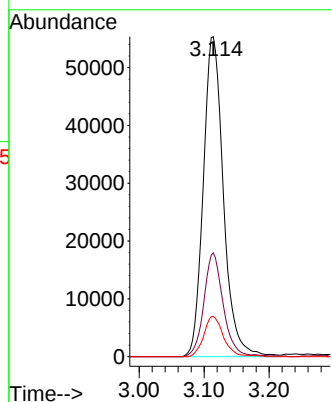
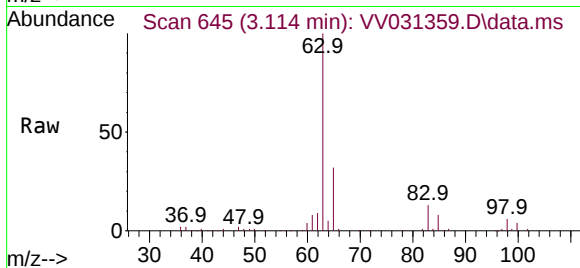
Tgt Ion: 63 Resp: 119672

Ion Ratio Lower Upper

63 100

65 32.4 22.0 40.8

83 12.6 9.0 16.6



#21

2-Butanone

Concen: 28.012 ug/L

RT: 3.924 min Scan# 897

Delta R.T. 0.016 min

Lab File: VV031359.D

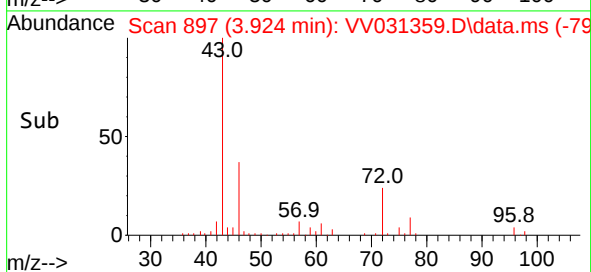
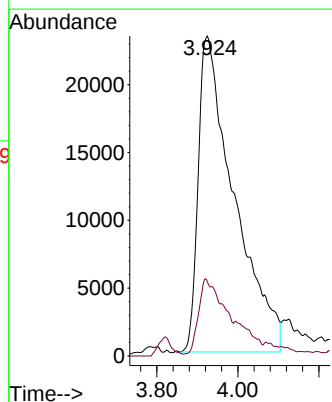
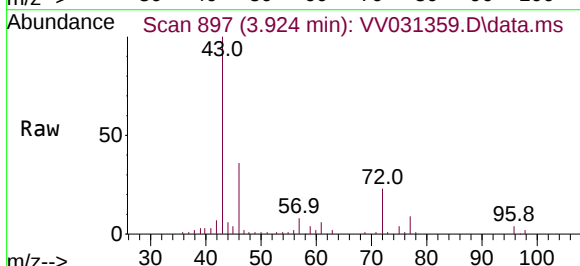
Acq: 05 Jun 2023 20:06

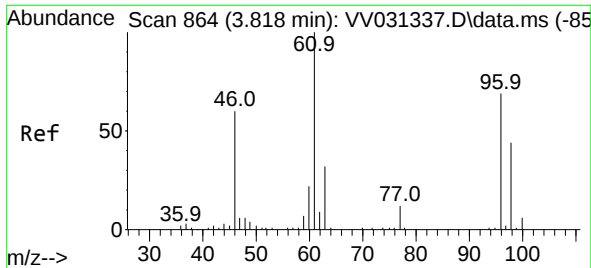
Tgt Ion: 43 Resp: 142842

Ion Ratio Lower Upper

43 100

72 16.2 7.8 23.5

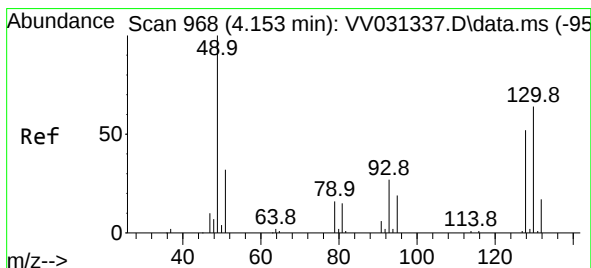
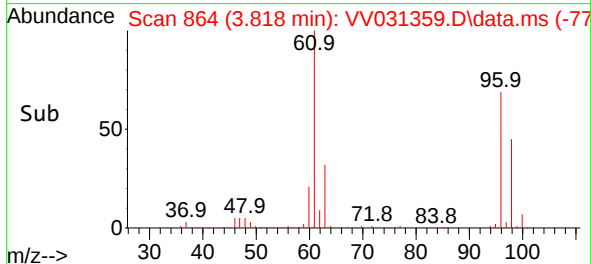
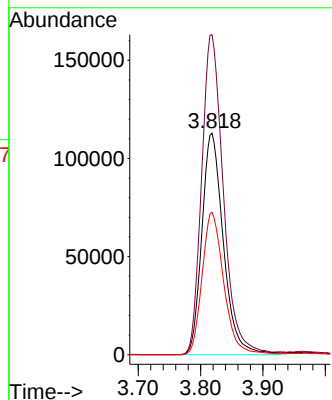
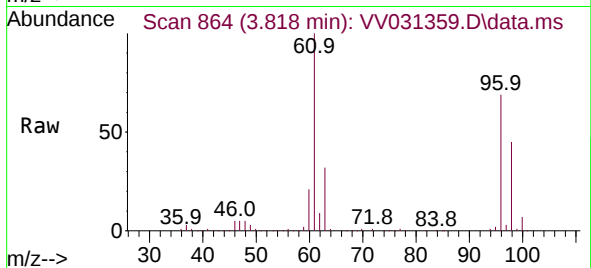




#22
 cis-1,2-Dichloroethene
 Concen: 20.955 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VV031359.D
 Acq: 05 Jun 2023 20:06

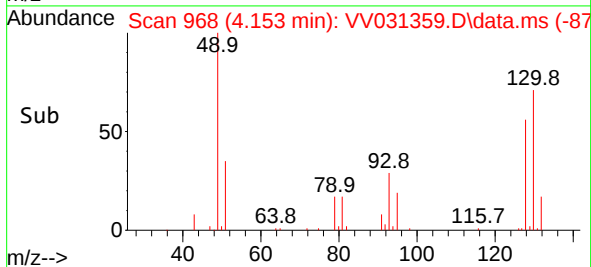
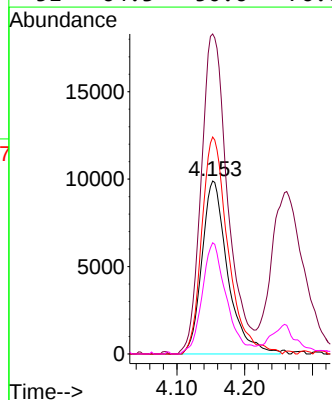
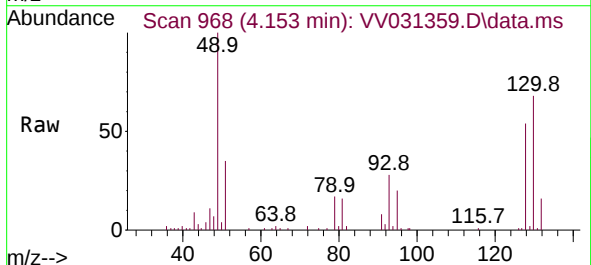
Instrument :
 MSVOA_V
 ClientSampleId :
 F6C29MSD

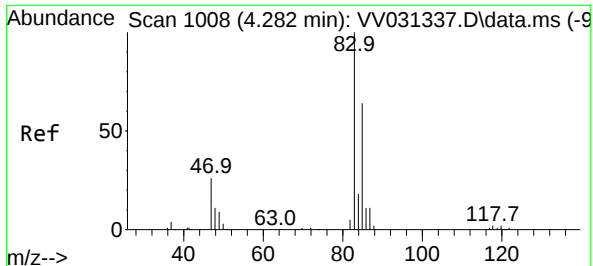
Tgt Ion: 96 Resp: 271122
 Ion Ratio Lower Upper
 96 100
 61 144.5 100.8 187.2
 98 64.3 45.1 83.9



#23
 Bromochloromethane
 Concen: 4.273 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.000 min
 Lab File: VV031359.D
 Acq: 05 Jun 2023 20:06

Tgt Ion:128 Resp: 26138
 Ion Ratio Lower Upper
 128 100
 49 185.1 148.1 275.0
 130 125.5 89.9 166.9
 51 64.3 50.6 76.0





#25

Chloroform

Concen: 3.895 ug/L

RT: 4.284 min Scan# 1008

Delta R.T. 0.003 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

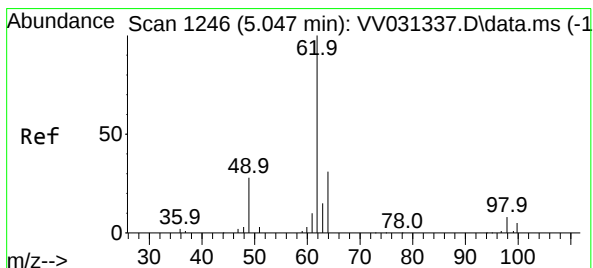
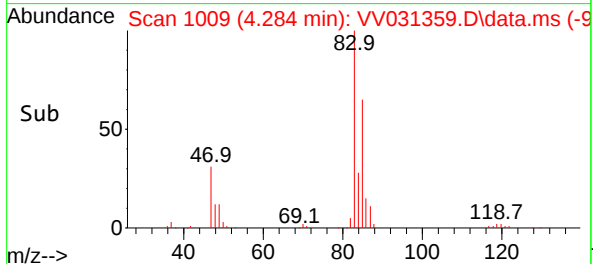
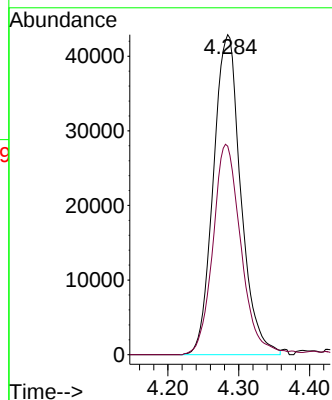
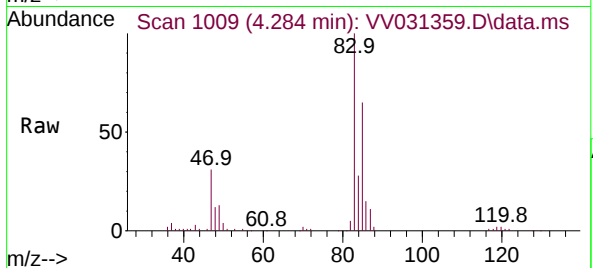
F6C29MSD

Tgt Ion: 83 Resp: 115507

Ion Ratio Lower Upper

83 100

85 65.2 44.9 83.3



#27

1,2-Dichloroethane

Concen: 4.747 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.003 min

Lab File: VV031359.D

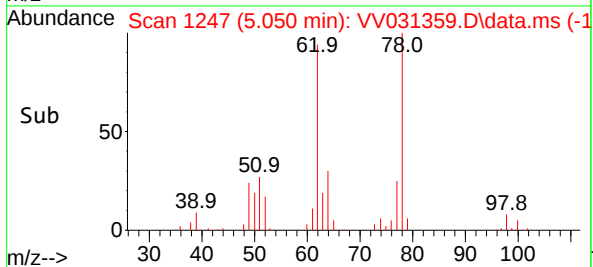
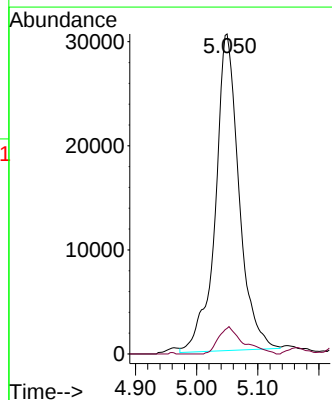
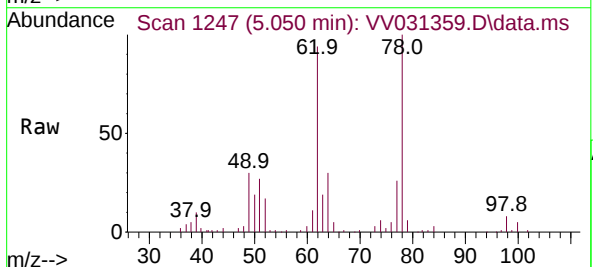
Acq: 05 Jun 2023 20:06

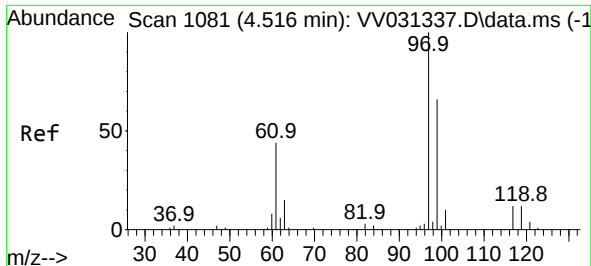
Tgt Ion: 62 Resp: 81818

Ion Ratio Lower Upper

62 100

98 8.0 7.2 10.8





#29

1,1,1-Trichloroethane

Concen: 4.656 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.000 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

F6C29MSD

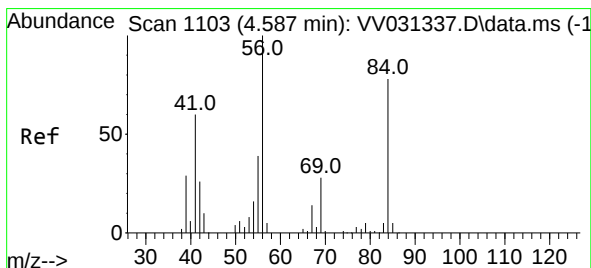
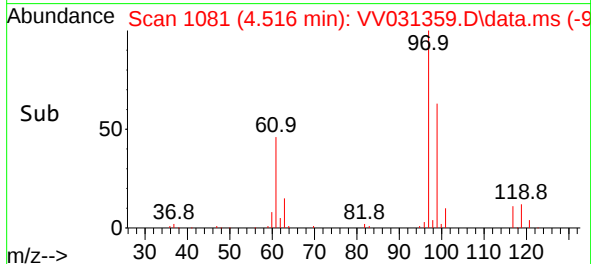
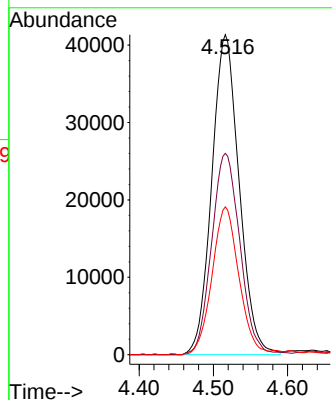
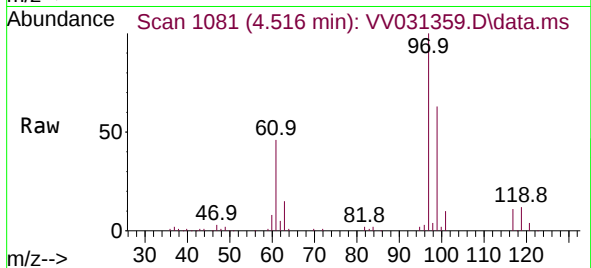
Tgt Ion: 97 Resp: 105917

Ion Ratio Lower Upper

97 100

99 65.2 52.2 78.4

61 45.2 36.4 54.6



#30

Cyclohexane

Concen: 27.465 ug/L

RT: 4.583 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

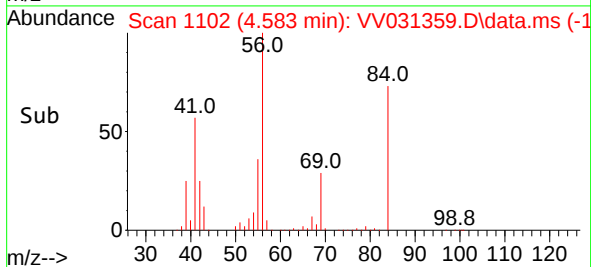
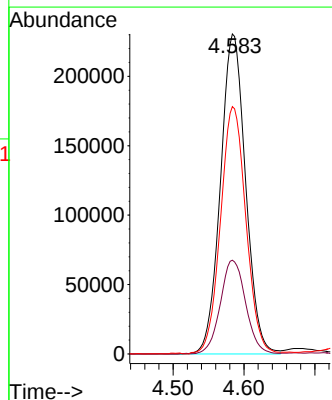
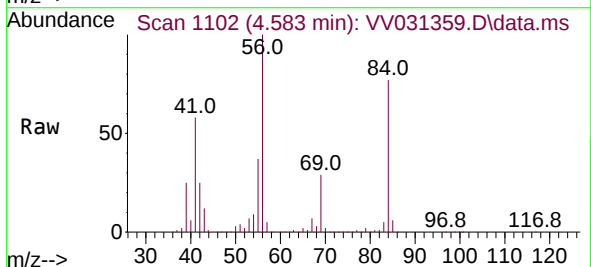
Tgt Ion: 56 Resp: 567297

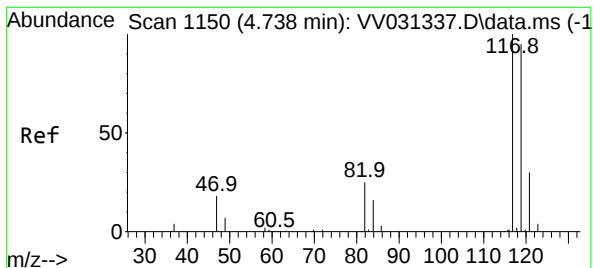
Ion Ratio Lower Upper

56 100

69 29.3 23.2 34.8

84 78.1 58.5 87.7





#31

Carbon tetrachloride

Concen: 4.719 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. -0.000 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

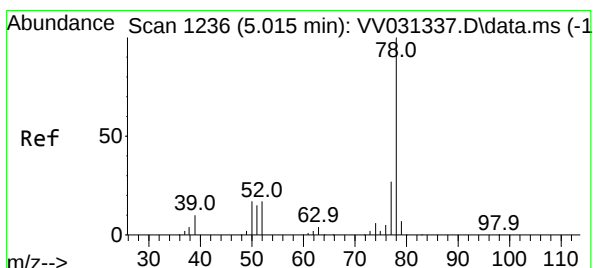
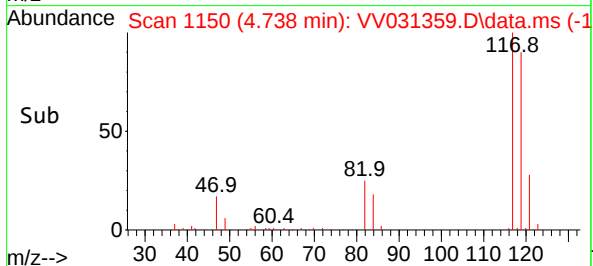
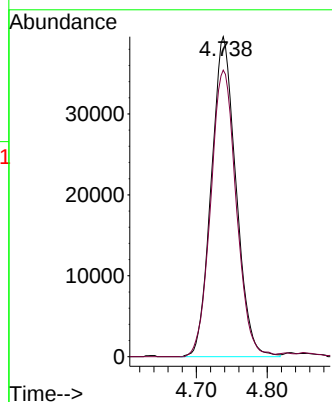
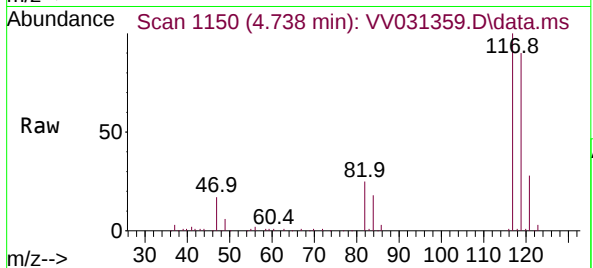
F6C29MSD

Tgt Ion:117 Resp: 95743

Ion Ratio Lower Upper

117 100

119 92.6 76.3 114.5



#33

Benzene

Concen: 19.940 ug/L

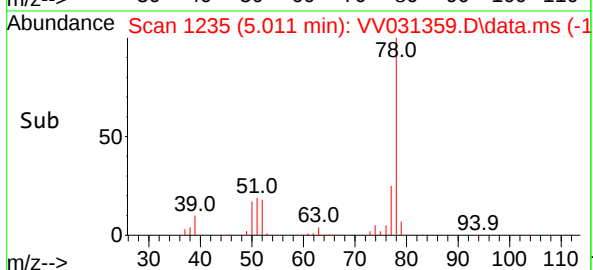
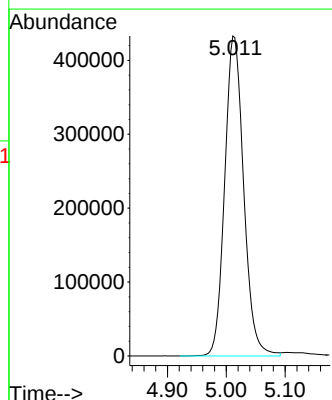
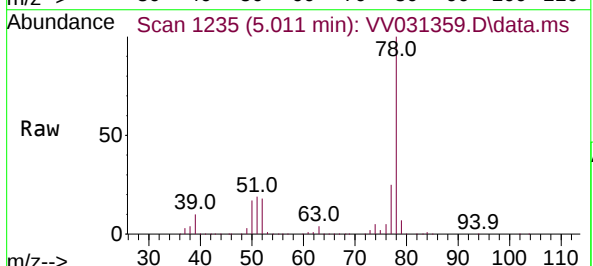
RT: 5.011 min Scan# 1235

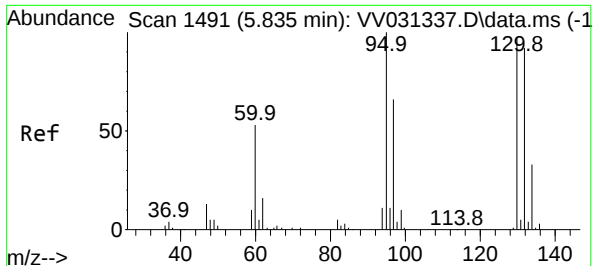
Delta R.T. -0.003 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Tgt Ion: 78 Resp: 970985



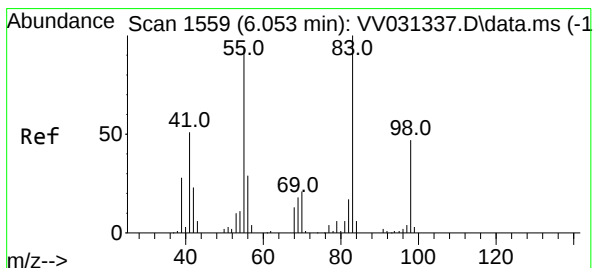
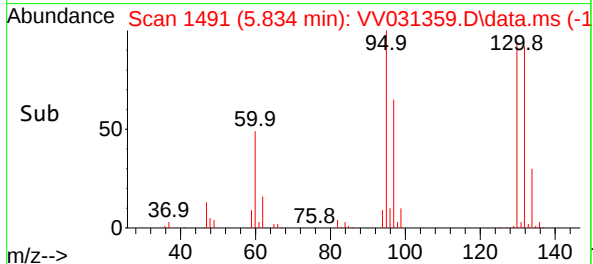
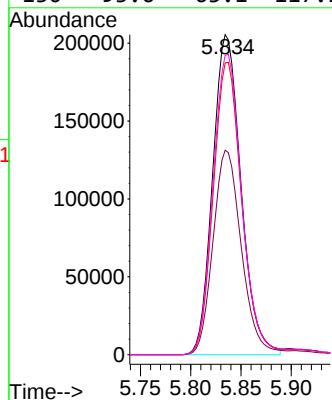
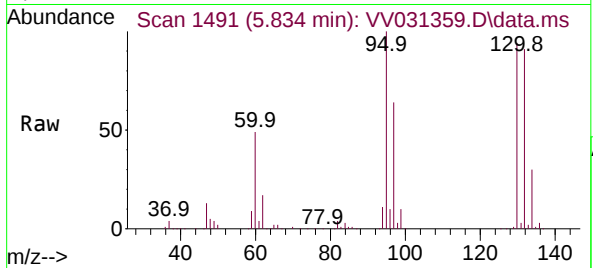


#34
Trichloroethene
Concen: 30.642 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VV031359.D
Acq: 05 Jun 2023 20:06

Instrument :
MSVOA_V
ClientSampleId :
F6C29MSD

Tgt Ion: 95 Resp: 402999

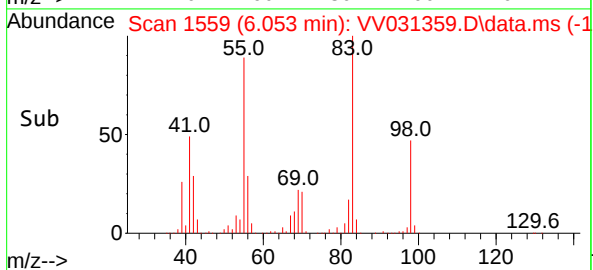
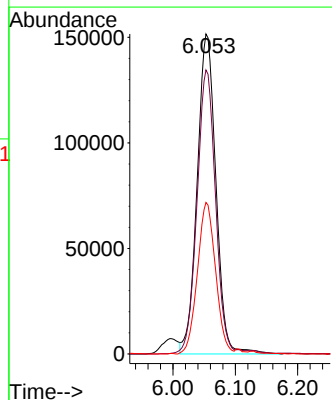
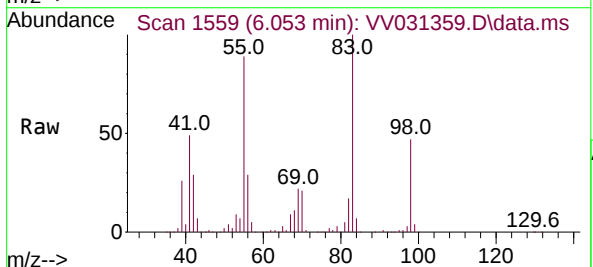
Ion	Ratio	Lower	Upper
95	100		
97	63.9	46.1	85.5
132	91.2	64.5	119.9
130	93.6	63.1	117.1

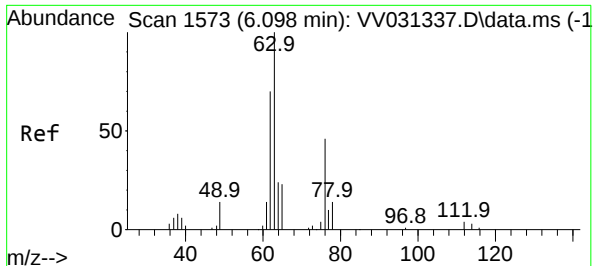


#35
Methylcyclohexane
Concen: 16.199 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VV031359.D
Acq: 05 Jun 2023 20:06

Tgt Ion: 83 Resp: 317159

Ion	Ratio	Lower	Upper
83	100		
55	88.0	74.6	112.0
98	45.8	36.5	54.7





#37

1,2-Dichloropropane

Concen: 4.510 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

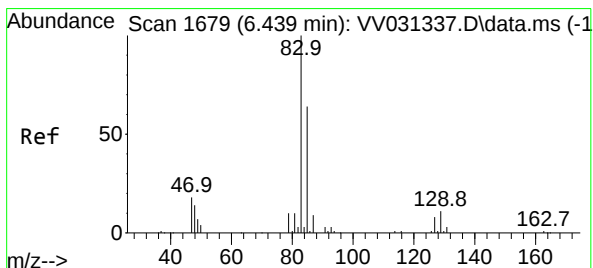
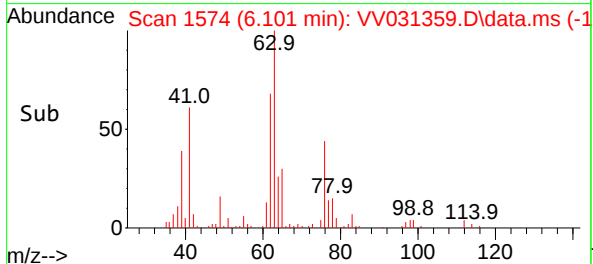
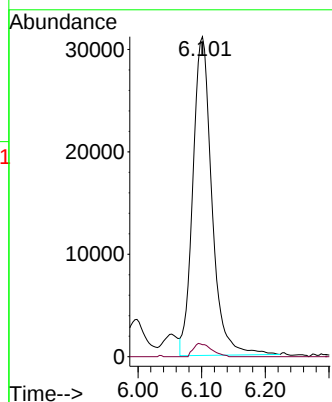
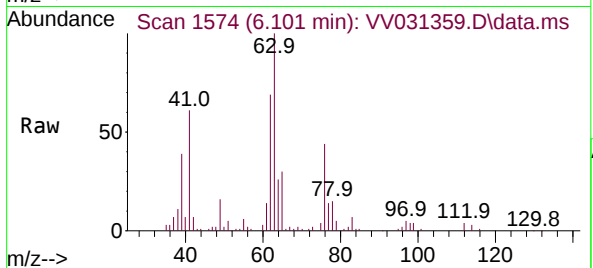
F6C29MSD

Tgt Ion: 63 Resp: 64641

Ion Ratio Lower Upper

63 100

112 4.0 3.8 5.6



#38

Bromodichloromethane

Concen: 4.388 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

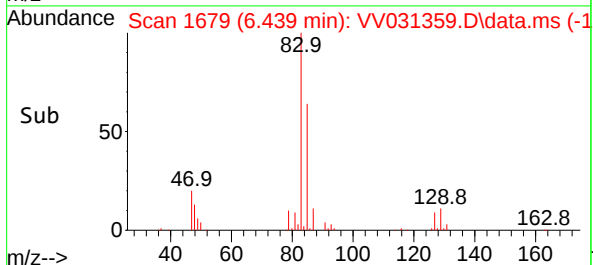
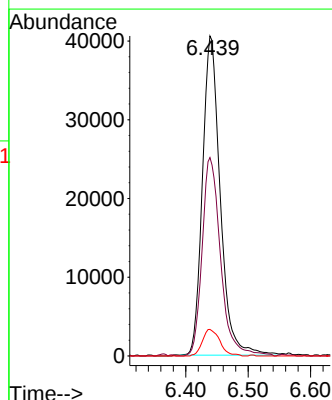
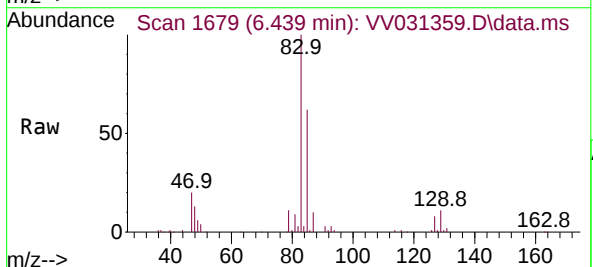
Tgt Ion: 83 Resp: 80409

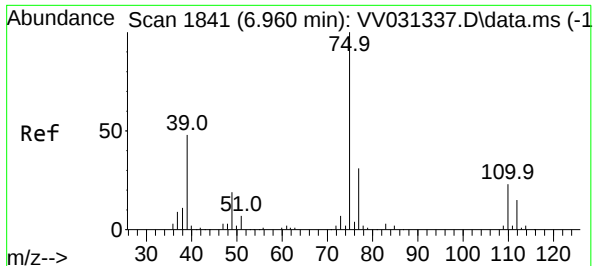
Ion Ratio Lower Upper

83 100

85 62.0 44.3 82.3

127 8.3 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 4.516 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

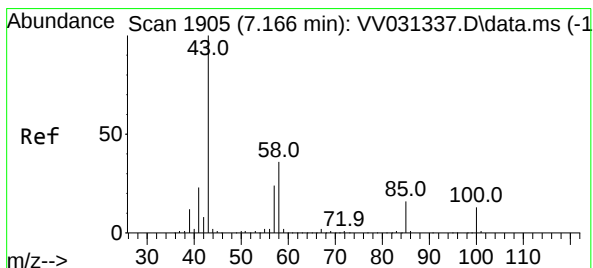
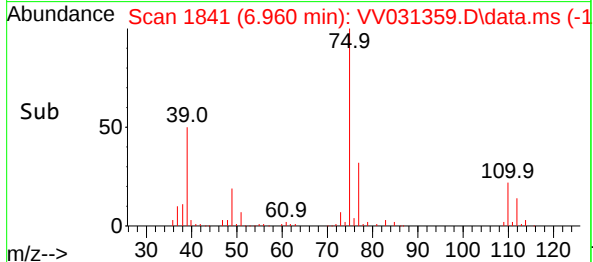
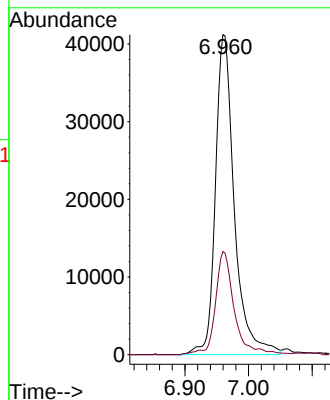
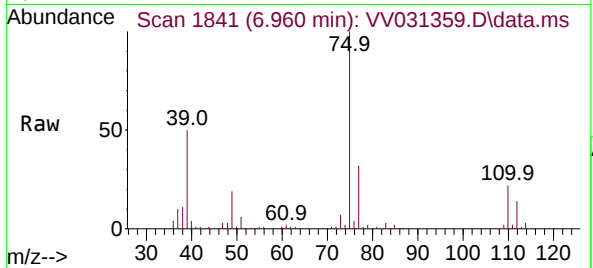
F6C29MSD

Tgt Ion: 75 Resp: 84955

Ion Ratio Lower Upper

75 100

77 32.2 21.3 39.5



#40

4-Methyl-2-pentanone

Concen: 45.537 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

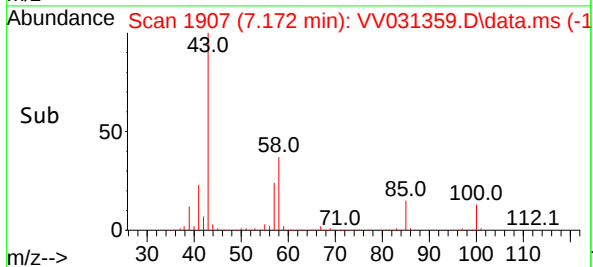
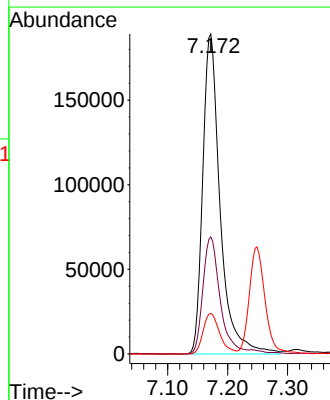
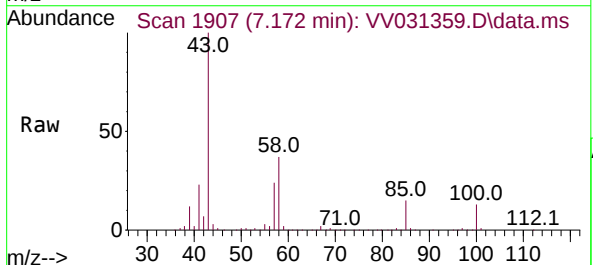
Tgt Ion: 43 Resp: 382915

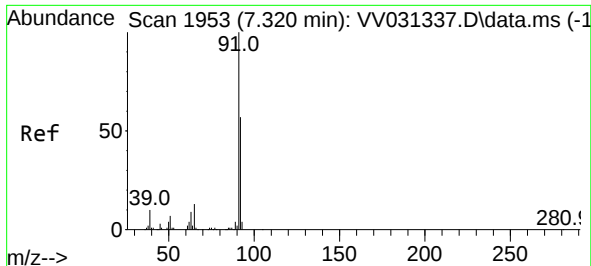
Ion Ratio Lower Upper

43 100

58 36.0 30.2 45.4

100 12.2 9.0 13.6





#42

Toluene

Concen: 4.953 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

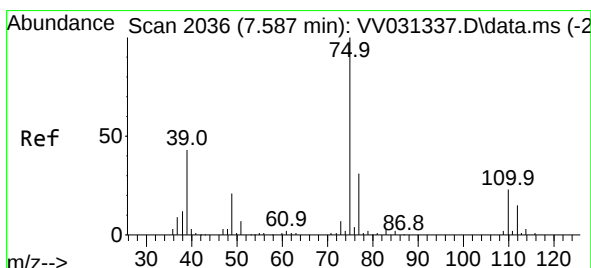
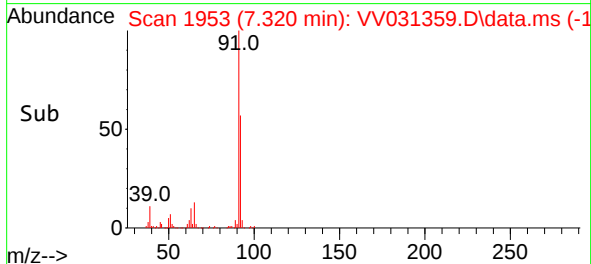
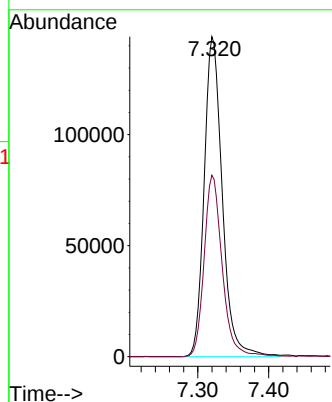
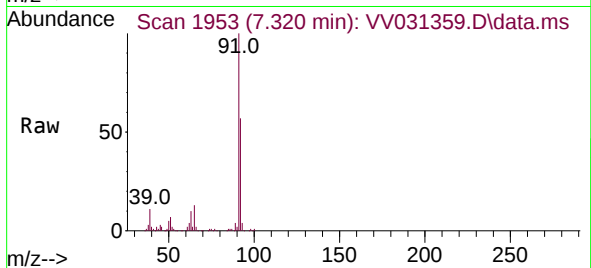
F6C29MSD

Tgt Ion: 91 Resp: 255896

Ion Ratio Lower Upper

91 100

92 56.7 39.2 72.8



#44

trans-1,3-Dichloropropene

Concen: 4.437 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV031359.D

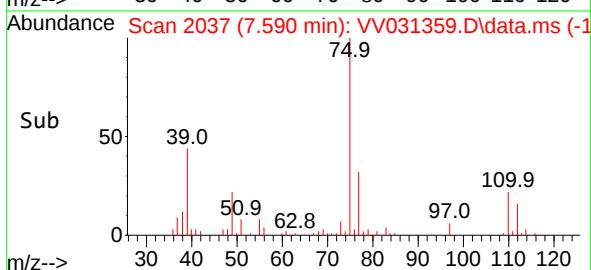
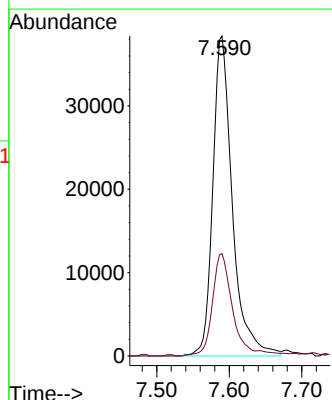
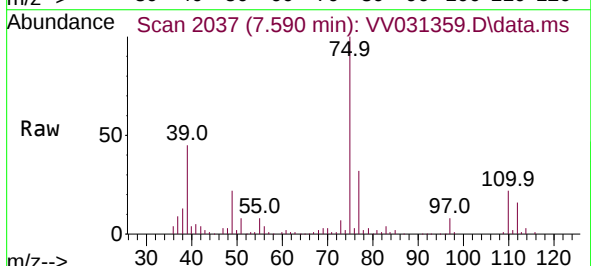
Acq: 05 Jun 2023 20:06

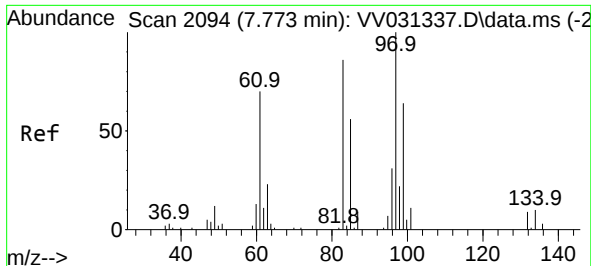
Tgt Ion: 75 Resp: 71798

Ion Ratio Lower Upper

75 100

77 32.0 22.8 42.4



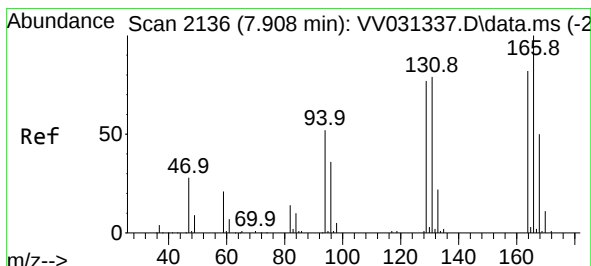
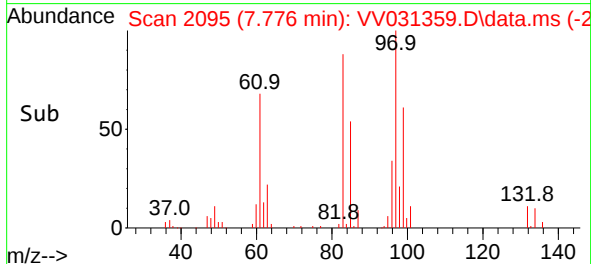
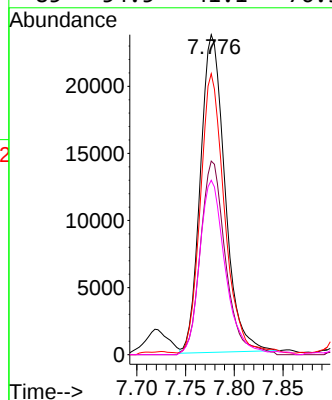
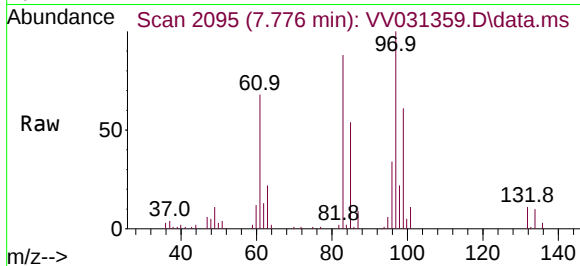


#45
1,1,2-Trichloroethane
Concen: 4.273 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV031359.D
Acq: 05 Jun 2023 20:06

Instrument :
MSVOA_V
ClientSampleId :
F6C29MSD

Tgt Ion: 97 Resp: 41568

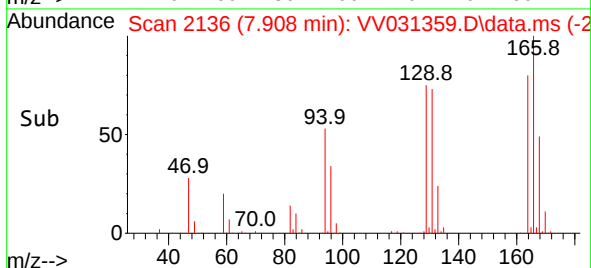
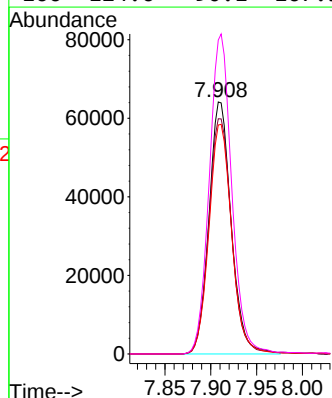
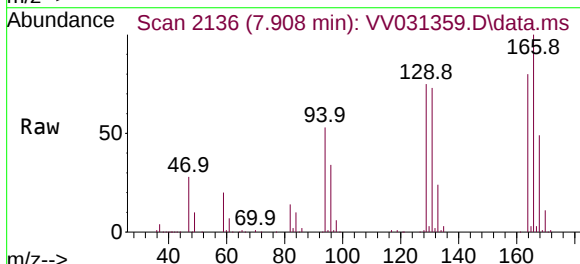
Ion	Ratio	Lower	Upper
97	100		
99	60.5	43.1	80.1
83	87.8	63.1	117.1
85	54.5	41.1	76.3

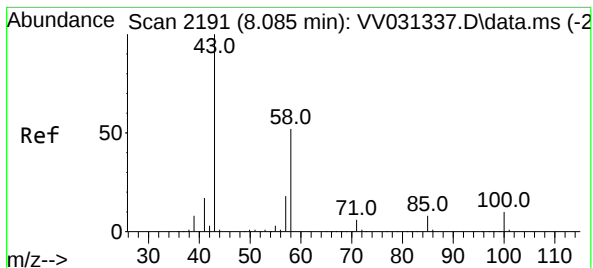


#47
Tetrachloroethene
Concen: 10.621 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VV031359.D
Acq: 05 Jun 2023 20:06

Tgt Ion: 164 Resp: 108848

Ion	Ratio	Lower	Upper
164	100		
129	93.3	66.0	122.6
131	90.9	65.3	121.3
166	124.6	90.1	167.3





#48

2-Hexanone

Concen: 39.794 ug/L

RT: 8.088 min Scan# 2191

Delta R.T. 0.003 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

F6C29MSD

Tgt Ion: 43 Resp: 265749

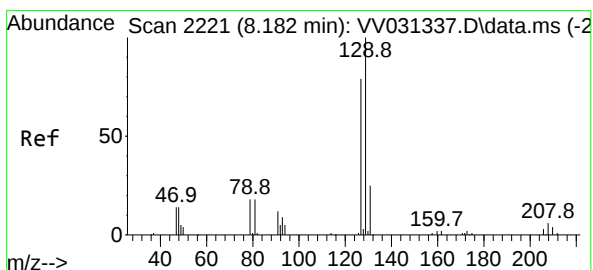
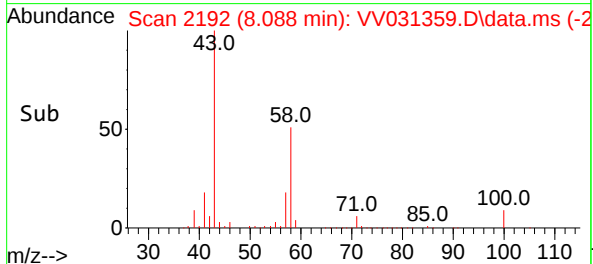
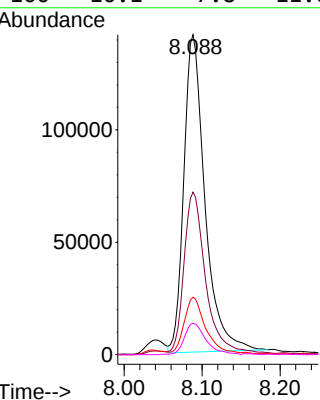
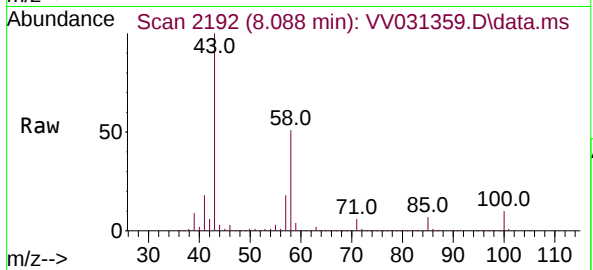
Ion Ratio Lower Upper

43 100

58 52.3 41.1 61.7

57 17.3 14.4 21.6

100 10.1 7.8 11.6



#49

Dibromochloromethane

Concen: 4.590 ug/L

RT: 8.181 min Scan# 2221

Delta R.T. -0.000 min

Lab File: VV031359.D

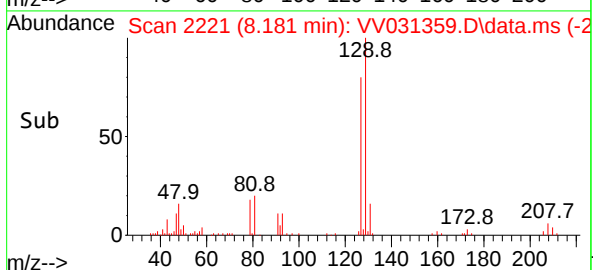
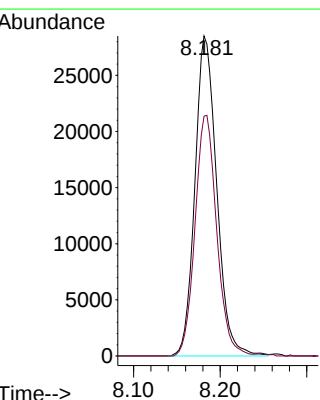
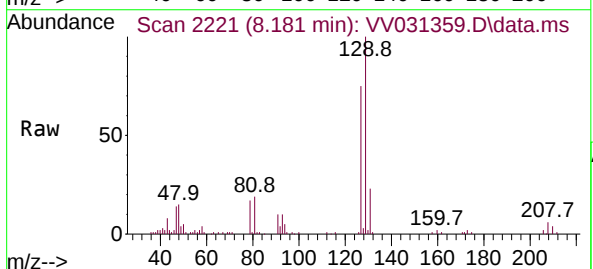
Acq: 05 Jun 2023 20:06

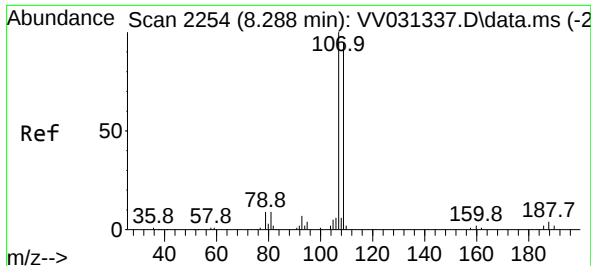
Tgt Ion: 129 Resp: 49861

Ion Ratio Lower Upper

129 100

127 74.9 55.0 102.2





#50

1,2-Dibromoethane

Concen: 4.360 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

F6C29MSD

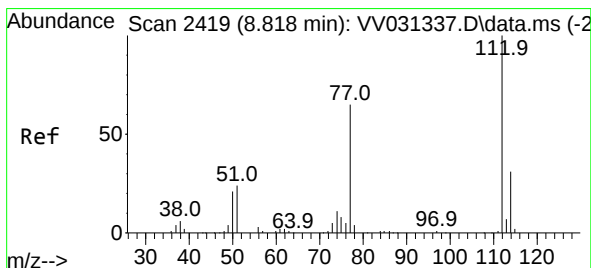
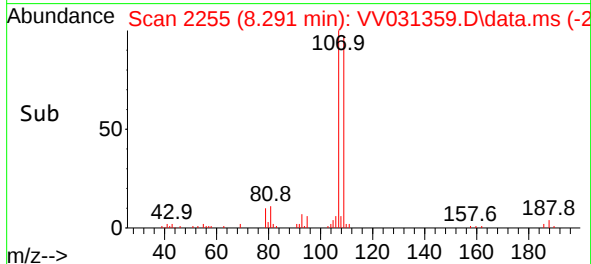
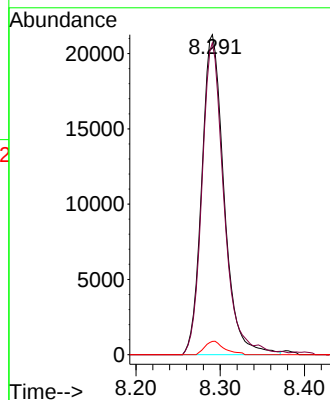
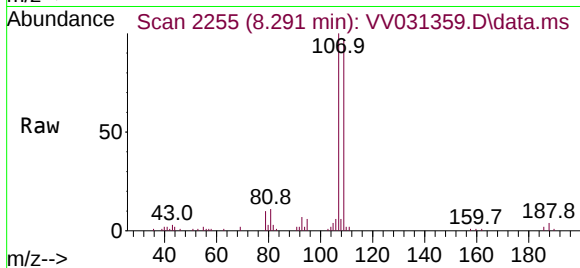
Tgt Ion:107 Resp: 39230

Ion Ratio Lower Upper

107 100

109 97.4 62.2 115.4

188 4.2 3.0 4.4



#51

Chlorobenzene

Concen: 4.570 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

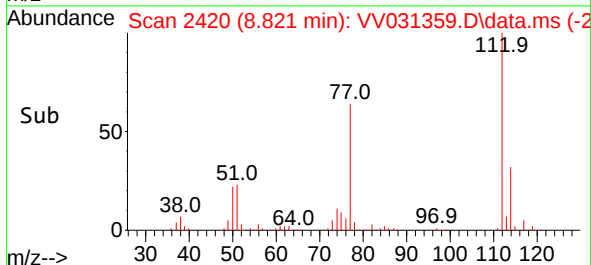
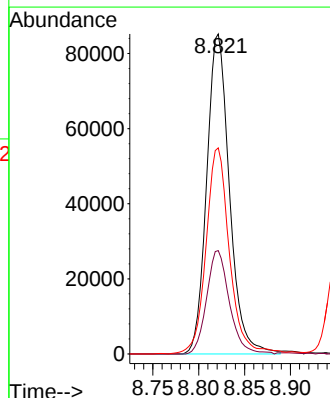
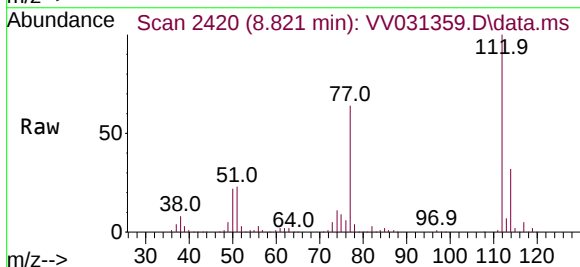
Tgt Ion:112 Resp: 147100

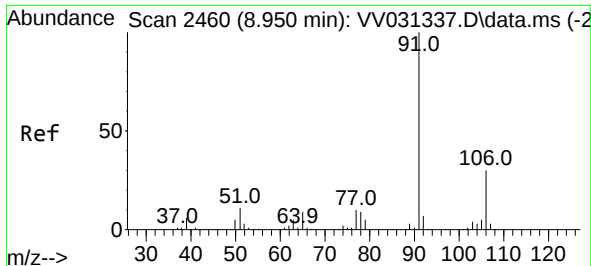
Ion Ratio Lower Upper

112 100

114 32.3 22.7 42.1

77 64.4 52.2 78.2





#52

Ethylbenzene

Concen: 8.389 ug/L

RT: 8.953 min Scan# 24

Delta R.T. 0.003 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

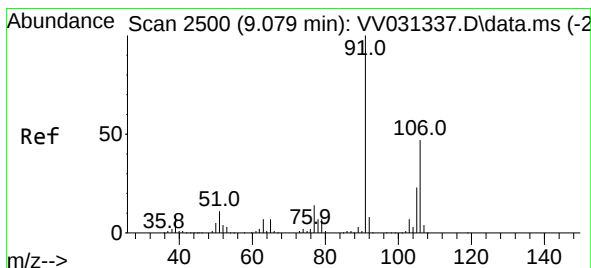
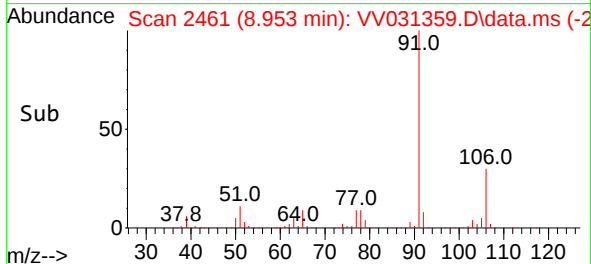
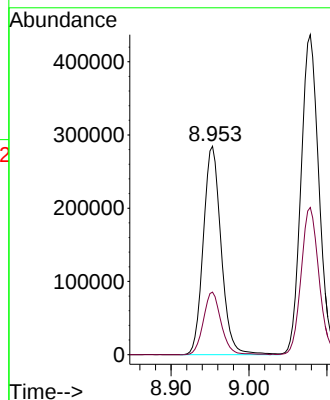
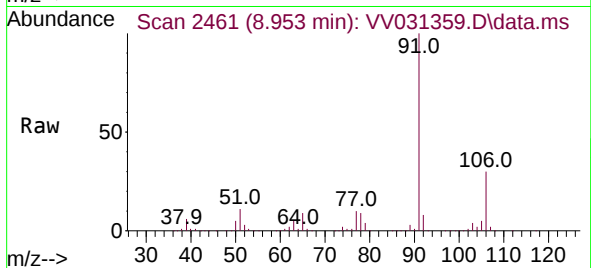
F6C29MSD

Tgt Ion: 91 Resp: 453447

Ion Ratio Lower Upper

91 100

106 30.0 20.0 37.2



#53

m,p-Xylene

Concen: 16.431 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031359.D

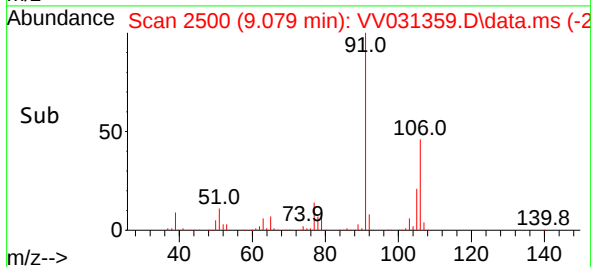
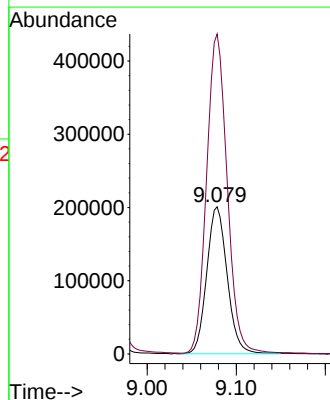
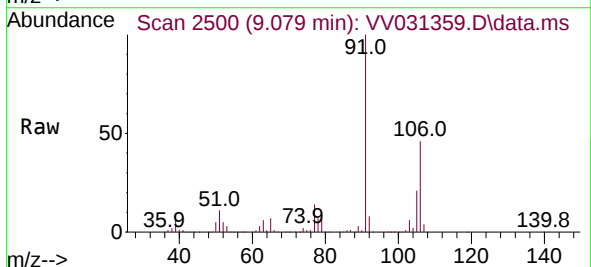
Acq: 05 Jun 2023 20:06

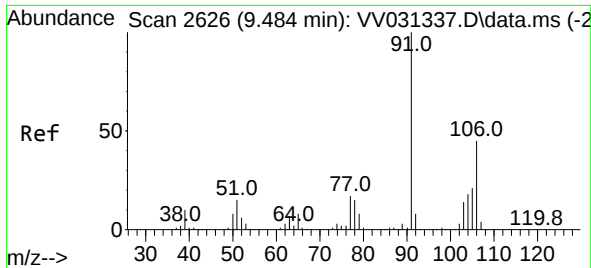
Tgt Ion: 106 Resp: 319495

Ion Ratio Lower Upper

106 100

91 217.5 154.3 286.5

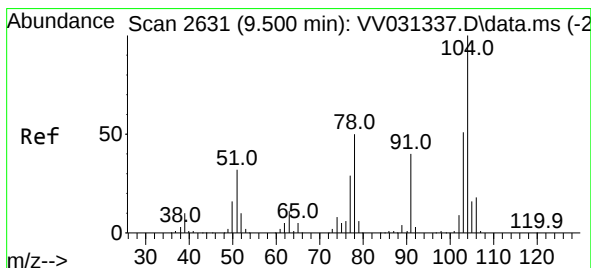
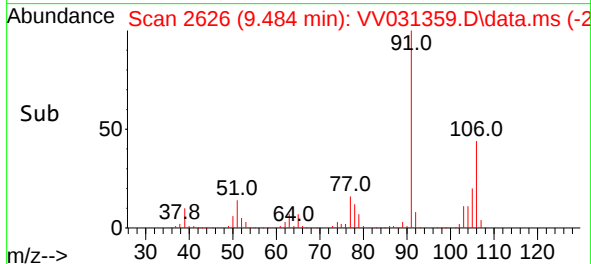
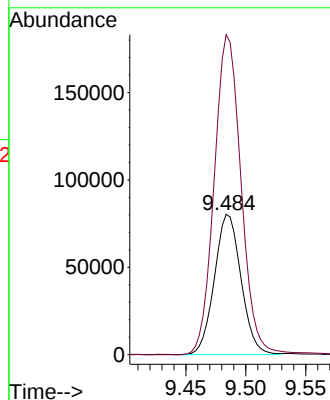
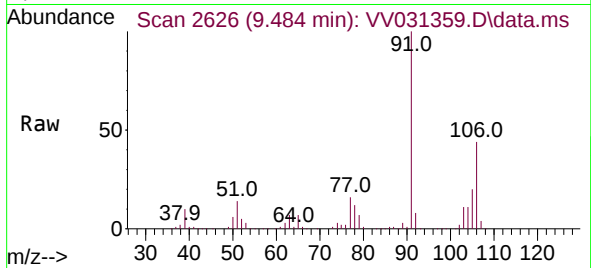




#54
o-Xylene
Concen: 6.802 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031359.D
Acq: 05 Jun 2023 20:06

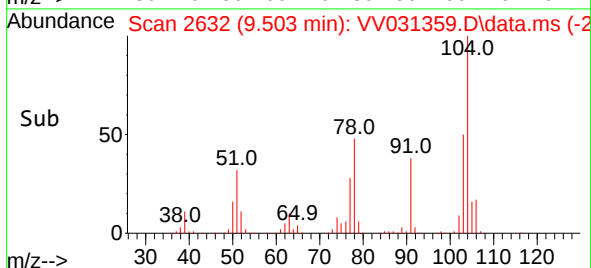
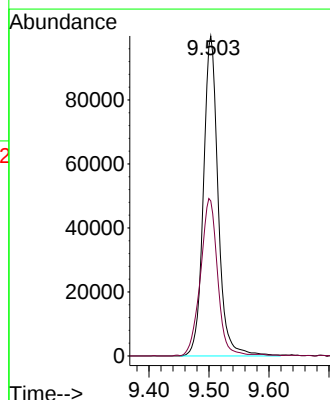
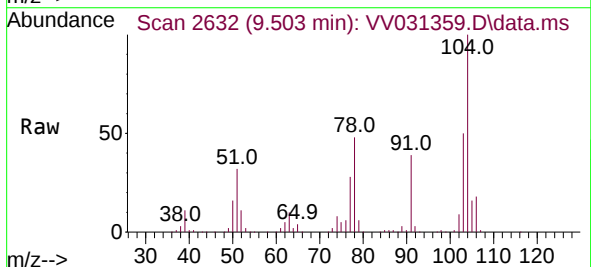
Instrument :
MSVOA_V
ClientSampleId :
F6C29MSD

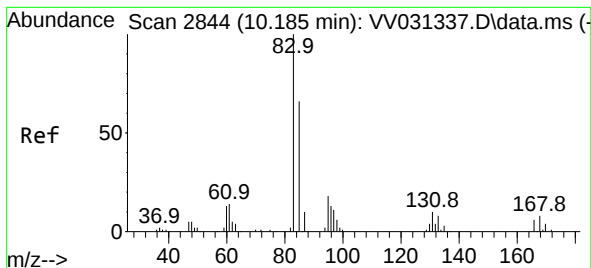
Tgt Ion:106 Resp: 123964
Ion Ratio Lower Upper
106 100
91 228.1 159.0 295.4



#55
Styrene
Concen: 5.279 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV031359.D
Acq: 05 Jun 2023 20:06

Tgt Ion:104 Resp: 171121
Ion Ratio Lower Upper
104 100
78 48.5 35.9 66.7

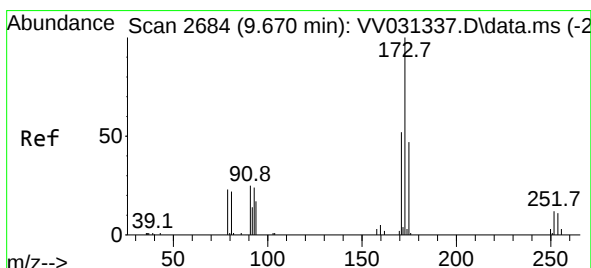
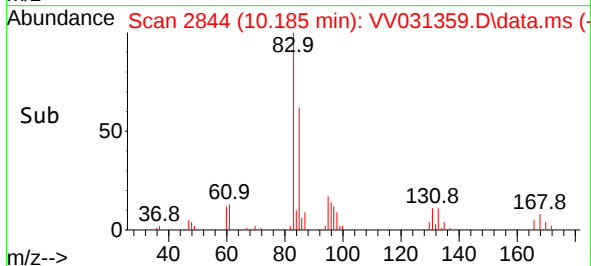
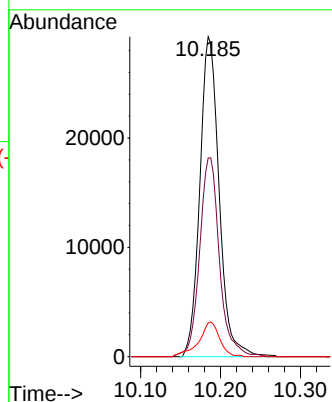
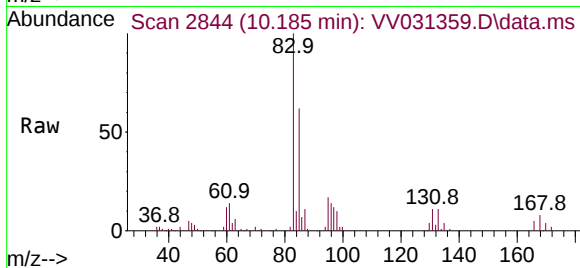




#57
1,1,2-Tetrachloroethane
Concen: 4.250 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VV031359.D
Acq: 05 Jun 2023 20:06

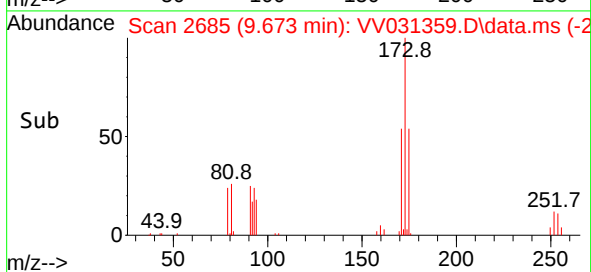
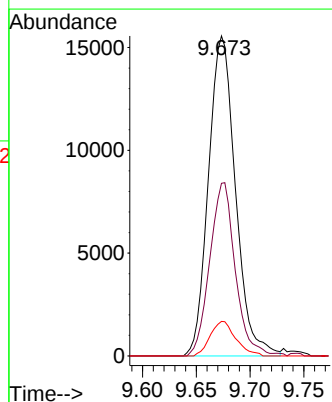
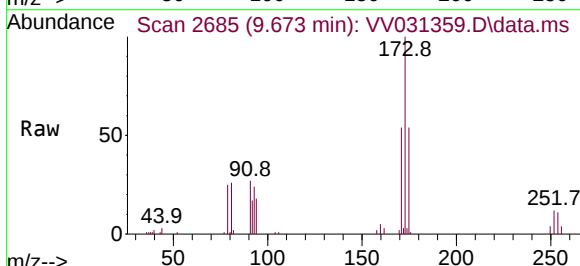
Instrument :
MSVOA_V
ClientSampleId :
F6C29MSD

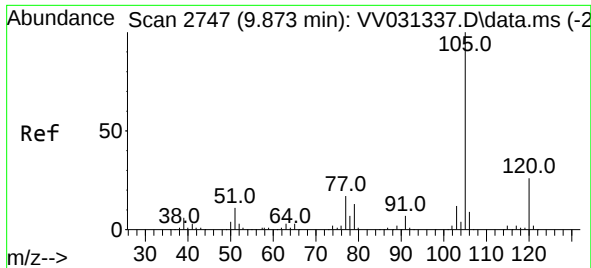
Tgt Ion: 83 Resp: 49276
Ion Ratio Lower Upper
83 100
85 62.1 45.0 83.6
131 10.6 7.3 10.9



#59
Bromoform
Concen: 4.392 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV031359.D
Acq: 05 Jun 2023 20:06

Tgt Ion: 173 Resp: 27218
Ion Ratio Lower Upper
173 100
175 51.2 38.9 58.3
254 10.2 7.8 11.8

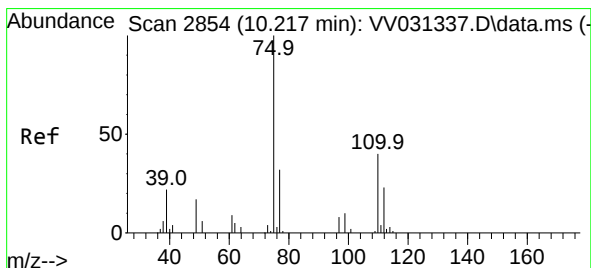
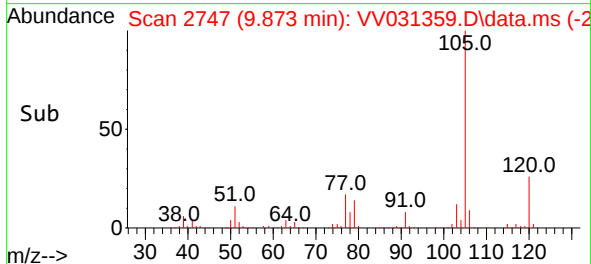
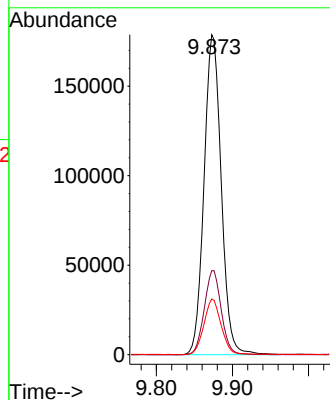
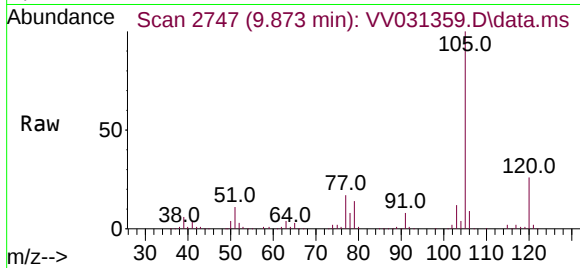




#60
Isopropylbenzene
Concen: 5.083 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031359.D
Acq: 05 Jun 2023 20:06

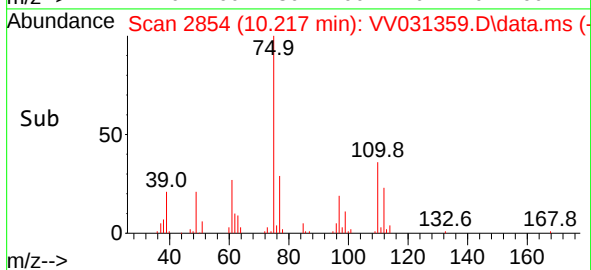
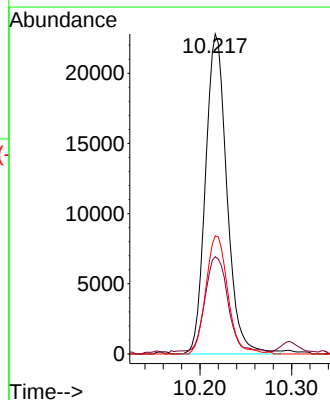
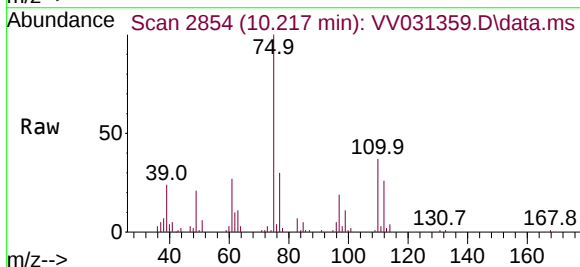
Instrument :
MSVOA_V
ClientSampleId :
F6C29MSD

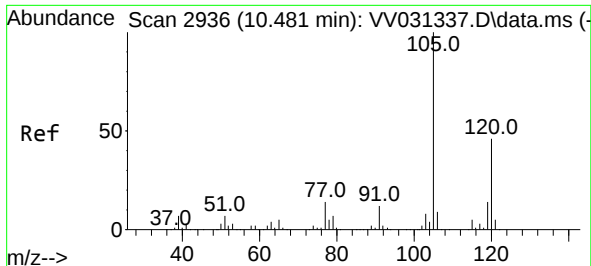
Tgt Ion:105 Resp: 280828
Ion Ratio Lower Upper
105 100
120 26.0 19.9 29.9
77 17.5 14.2 21.2



#61
1,2,3-Trichloropropane
Concen: 3.935 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV031359.D
Acq: 05 Jun 2023 20:06

Tgt Ion: 75 Resp: 36974
Ion Ratio Lower Upper
75 100
77 34.6 27.3 40.9
110 38.0 29.4 44.0





#62

1,3,5-Trimethylbenzene

Concen: 5.995 ug/L

RT: 10.484 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

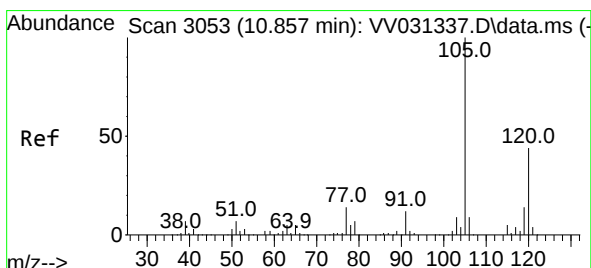
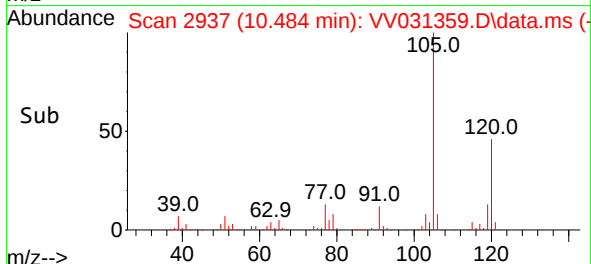
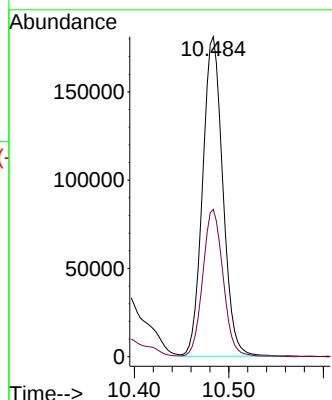
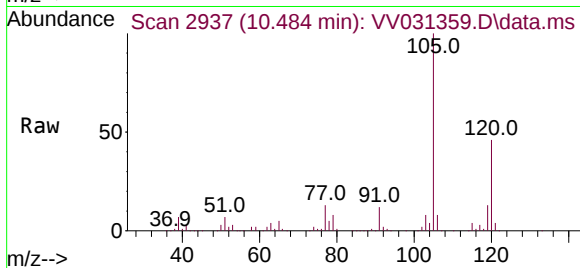
F6C29MSD

Tgt Ion:105 Resp: 268394

Ion Ratio Lower Upper

105 100

120 46.6 35.9 53.9



#63

1,2,4-Trimethylbenzene

Concen: 7.310 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VV031359.D

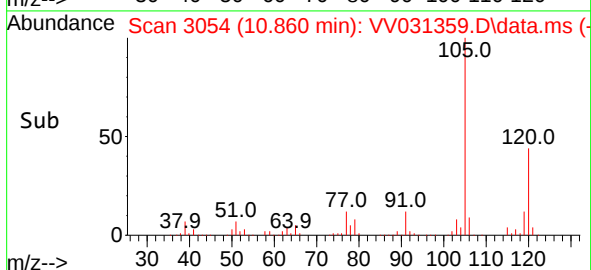
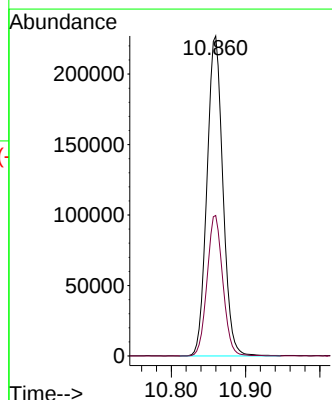
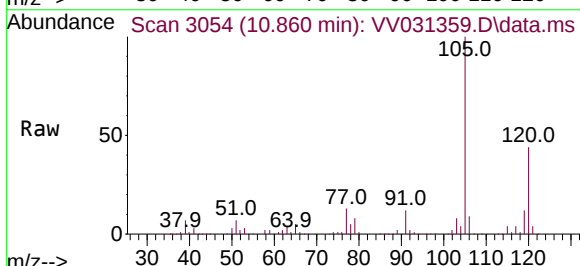
Acq: 05 Jun 2023 20:06

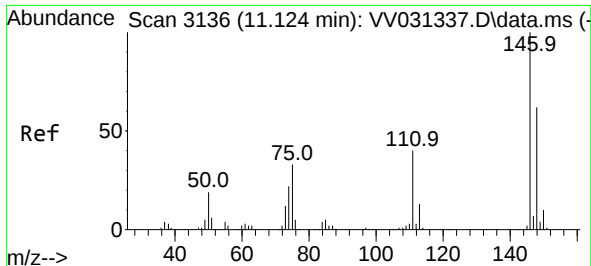
Tgt Ion:105 Resp: 337800

Ion Ratio Lower Upper

105 100

120 43.4 33.2 49.8





#64

1,3-Dichlorobenzene

Concen: 4.682 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

F6C29MSD

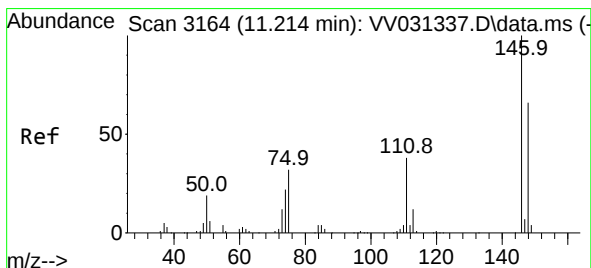
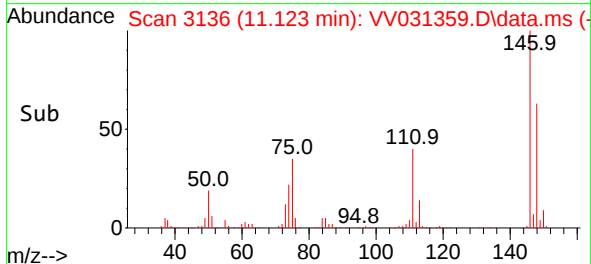
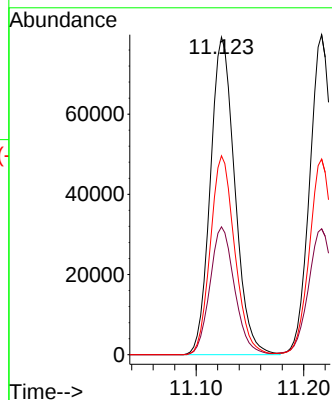
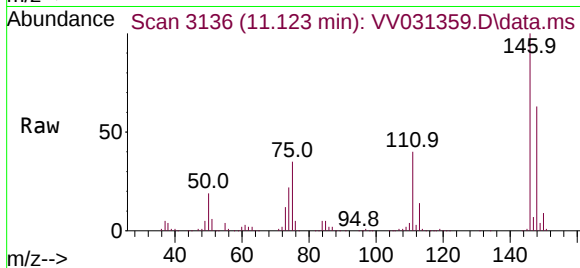
Tgt Ion:146 Resp: 125279

Ion Ratio Lower Upper

146 100

111 40.3 31.1 57.9

148 62.6 43.6 81.0



#65

1,4-Dichlorobenzene

Concen: 4.405 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

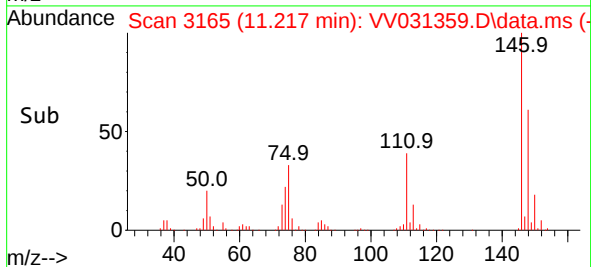
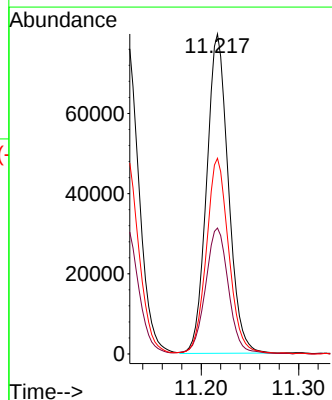
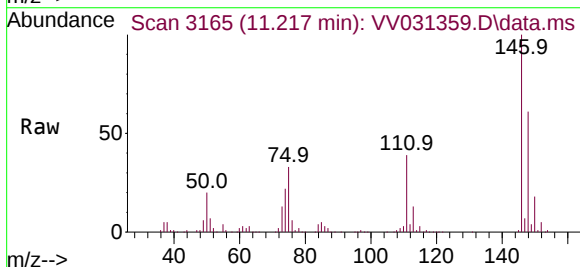
Tgt Ion:146 Resp: 123438

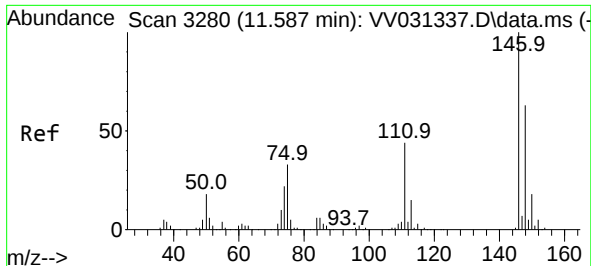
Ion Ratio Lower Upper

146 100

111 39.4 28.4 52.8

148 61.2 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 4.410 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

F6C29MSD

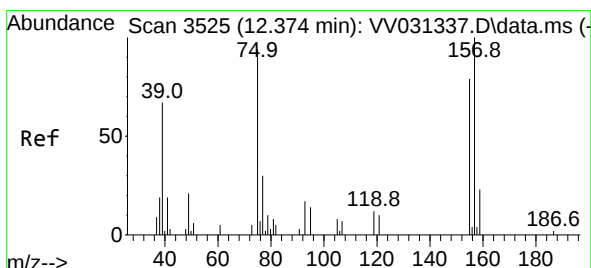
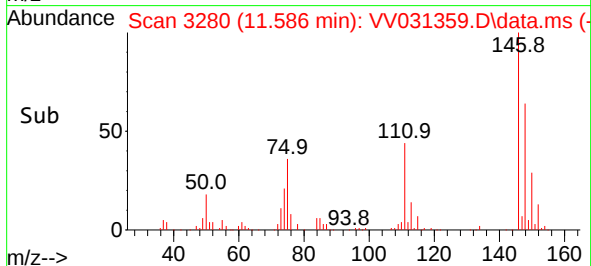
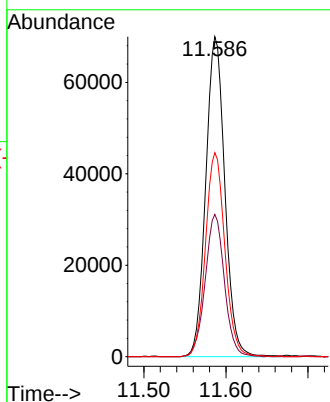
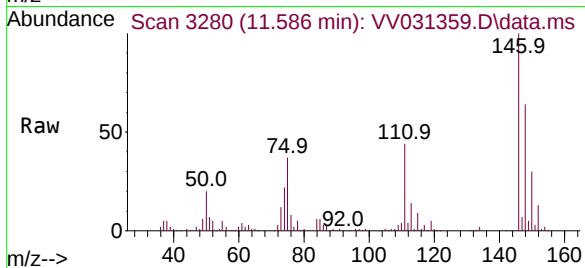
Tgt Ion:146 Resp: 113175

Ion Ratio Lower Upper

146 100

111 44.4 36.6 54.8

148 63.7 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.030 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

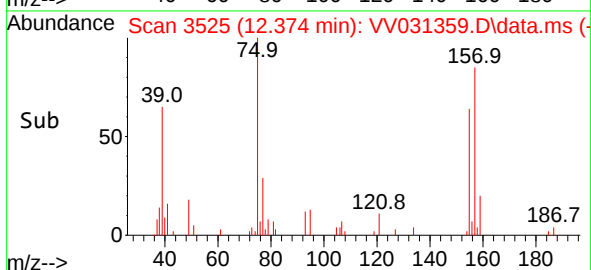
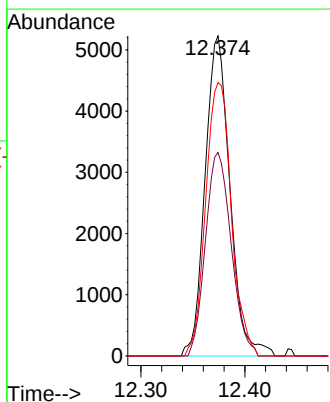
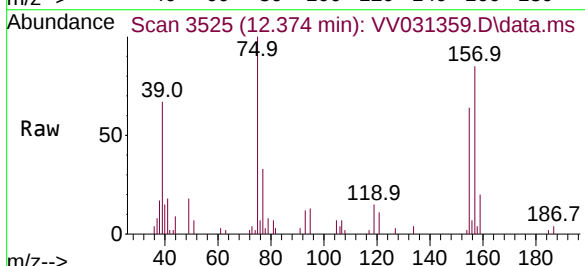
Tgt Ion: 75 Resp: 8686

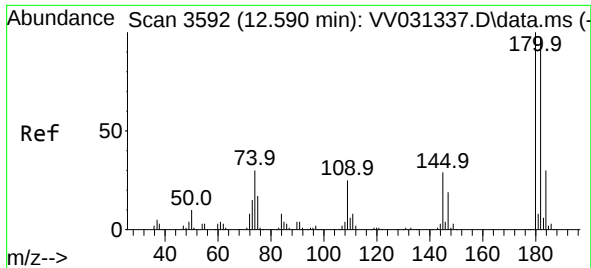
Ion Ratio Lower Upper

75 100

155 63.6 54.6 82.0

157 85.4 72.7 109.1

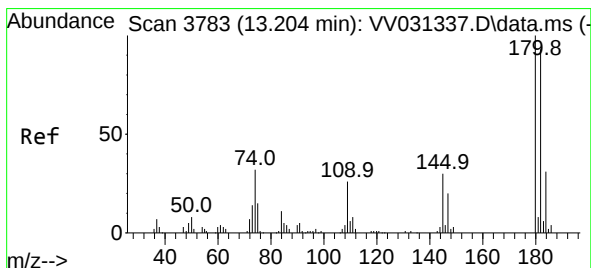
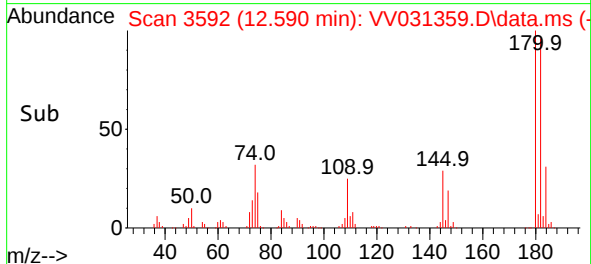
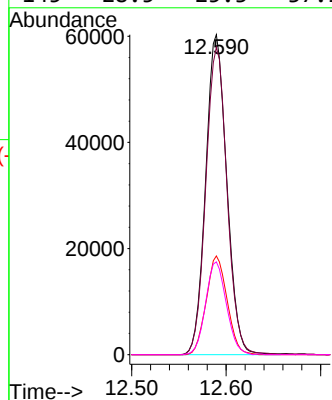
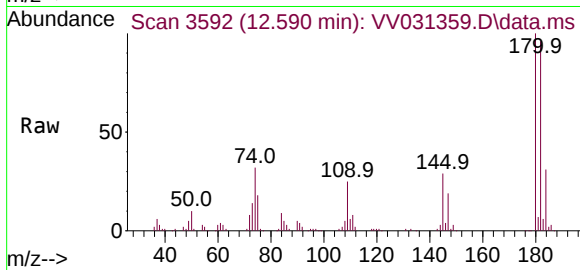




#69
 1,3,5-Trichlorobenzene
 Concen: 4.708 ug/L
 RT: 12.590 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV031359.D
 Acq: 05 Jun 2023 20:06

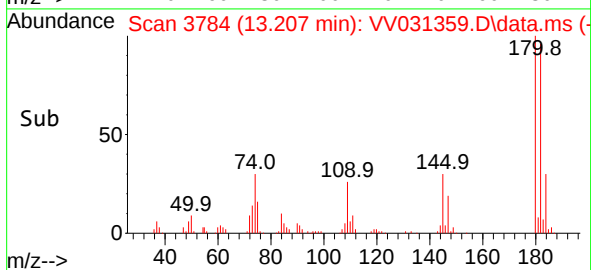
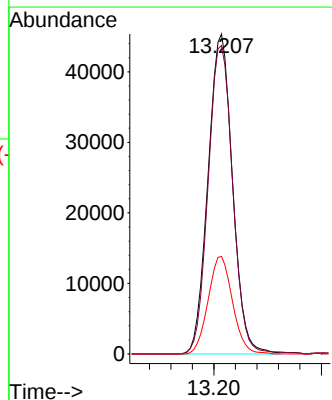
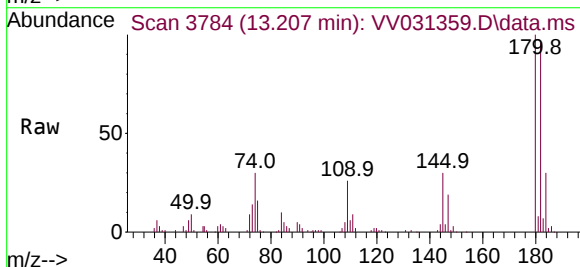
Instrument :
 MSVOA_V
 ClientSampleId :
 F6C29MSD

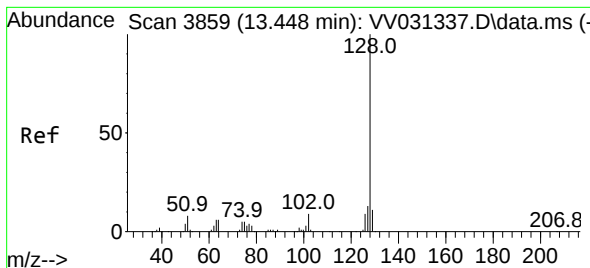
Tgt Ion:	180	Resp:	93610
Ion Ratio	Lower	Upper	
180	100		
182	96.6	76.1	114.1
184	30.5	23.8	35.6
145	28.5	25.3	37.9



#70
 1,2,4-trichlorobenzene
 Concen: 4.490 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.003 min
 Lab File: VV031359.D
 Acq: 05 Jun 2023 20:06

Tgt Ion:	180	Resp:	71602
Ion Ratio	Lower	Upper	
180	100		
182	97.1	76.7	115.1
145	30.3	26.3	39.5





#71

Naphthalene

Concen: 4.642 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Instrument :

MSVOA_V

ClientSampleId :

F6C29MSD

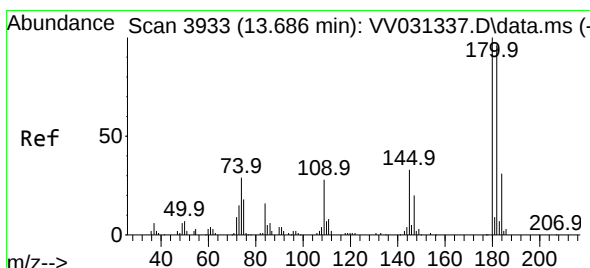
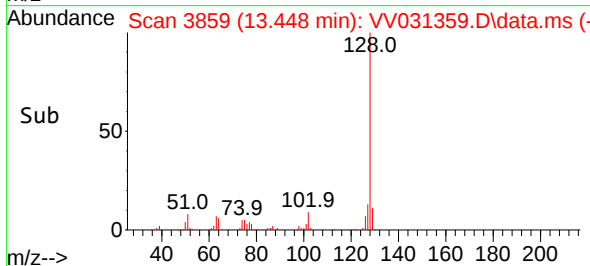
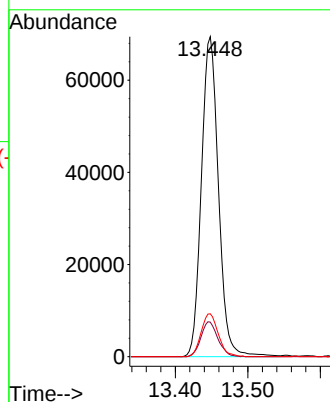
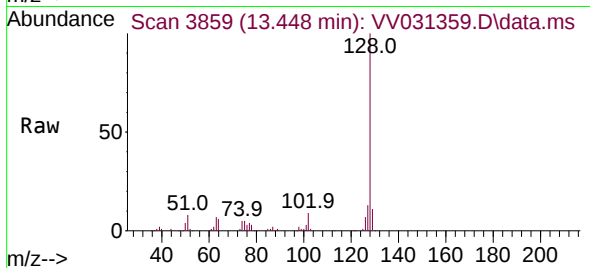
Tgt Ion:128 Resp: 113560

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

127 13.5 11.4 17.2



#72

1,2,3-Trichlorobenzene

Concen: 4.463 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031359.D

Acq: 05 Jun 2023 20:06

Tgt Ion:180 Resp: 63839

Ion Ratio Lower Upper

180 100

182 97.3 75.4 113.0

145 33.1 27.8 41.6

