

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121123\
 Data File : VW033250.D
 Acq On : 12 Dec 2023 06:03
 Operator : SY/MD
 Sample : 05751-14MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YCHF6MSD

Quant Time: Dec 12 06:55:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 21:51:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	238353	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	243974	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	148025	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	69720	48.931	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.860%
7) Chloroethane-d5	1.529	69	53955	54.346	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.700%
11) 1,1-Dichloroethene-d2	2.060	65	26881	49.591	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.180%
21) 2-Butanone-d5	3.780	46	82880	117.111	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.110%
24) Chloroform-d	4.246	84	168596	55.755	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.520%
26) 1,2-Dichloroethane-d4	4.941	65	107471	57.165	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.320%
32) Benzene-d6	4.960	84	303885	53.257	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.520%
36) 1,2-Dichloropropane-d6	5.989	67	83011	54.107	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.220%
41) Toluene-d8	7.243	98	302537	55.581	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.160%
43) trans-1,3-Dichloroprop...	7.551	79	51102	52.674	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.340%
47) 2-Hexanone-d5	8.021	63	71449	115.924	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.920%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	131105	60.114	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	120.220%#
66) 1,2-Dichlorobenzene-d4	11.561	152	141144	53.591	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	107899	41.414	ug/L	100
3) Chloromethane	1.214	50	81709	47.551	ug/L	99
5) Vinyl chloride	1.282	62	76788	46.595	ug/L	99
6) Bromomethane	1.484	94	50148	46.634	ug/L	100
8) Chloroethane	1.545	64	44862	51.132	ug/L	99
9) Trichlorofluoromethane	1.712	101	131407	48.323	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	60223	47.160	ug/L	98
12) 1,1-Dichloroethene	2.069	96	100344	83.972	ug/L	88
13) Acetone	2.108	43	124318	184.006	ug/L	99
14) Carbon disulfide	2.240	76	181429	42.318	ug/L	100
15) Methyl Acetate	2.368	43	52771	46.864	ug/L	93
16) Methylene chloride	2.446	84	85488	54.026	ug/L	94
17) trans-1,2-Dichloroethene	2.693	96	78489	50.026	ug/L	95
18) Methyl tert-butyl Ether	2.700	73	274921	57.681	ug/L	99
19) 1,1-Dichloroethane	3.111	63	145140	55.892	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	110283	66.245	ug/L	95
22) 2-Butanone	3.857	43	132533	154.145	ug/L	95
23) Bromochloromethane	4.146	128	54016	56.507	ug/L	94
25) Chloroform	4.275	83	165756	55.501	ug/L	94

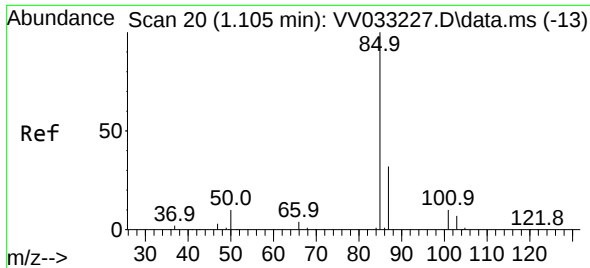
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 QLast Update : Fri Dec 08 21:51:12 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	138461	58.670	ug/L	98
29) Cyclohexane	4.584	56	87580	38.865	ug/L	93
30) 1,1,1-Trichloroethane	4.510	97	162248	53.810	ug/L	98
31) Carbon tetrachloride	4.735	117	134941	48.132	ug/L	99
33) Benzene	5.008	78	322671	52.191	ug/L	100
34) Trichloroethene	5.831	95	170508	92.314	ug/L	98
35) Methylcyclohexane	6.050	83	111062	41.430	ug/L	96
37) 1,2-Dichloropropane	6.092	63	77169	53.933	ug/L	99
38) Bromodichloromethane	6.429	83	127775	55.393	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	140602	54.154	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	185068	121.820	ug/L	98
42) Toluene	7.314	91	369065	52.975	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	139316	53.065	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	93630	56.437	ug/L	98
46) Tetrachloroethene	7.905	164	75727	47.694	ug/L	98
48) 2-Hexanone	8.072	43	141335	112.209	ug/L	98
49) Dibromochloromethane	8.175	129	112723	56.917	ug/L	99
50) 1,2-Dibromoethane	8.281	107	100771	56.973	ug/L	99
51) Chlorobenzene	8.812	112	259953	53.060	ug/L	98
52) Ethylbenzene	8.947	91	404865	50.488	ug/L	99
53) m,p-Xylene	9.072	106	164890	51.923	ug/L	92
54) o-Xylene	9.477	106	167069	53.314	ug/L	99
55) Styrene	9.497	104	298473	55.058	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	139694	61.630	ug/L	100
59) Bromoform	9.664	173	94833	59.029	ug/L	100
60) Isopropylbenzene	9.866	105	423392	49.606	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	111099	60.191	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	343940	50.016	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	369983	51.662	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	234742	51.481	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	242327	51.161	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	240981	53.908	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	34658	61.194	ug/L	91
69) 1,3,5-Trichlorobenzene	12.583	180	170444	46.666	ug/L	98
70) 1,2,4-trichlorobenzene	13.198	180	160174	47.467	ug/L	99
71) Naphthalene	13.439	128	484470	58.871	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	170326	52.310	ug/L	98

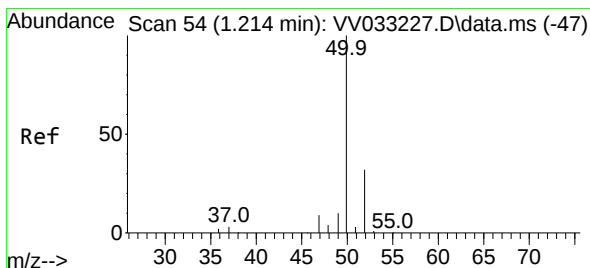
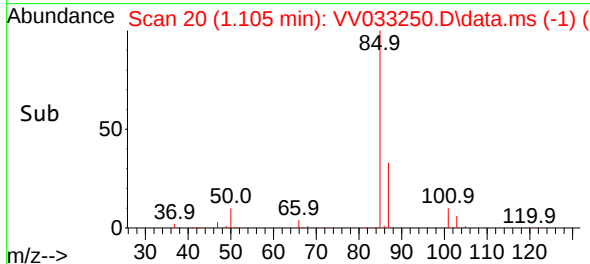
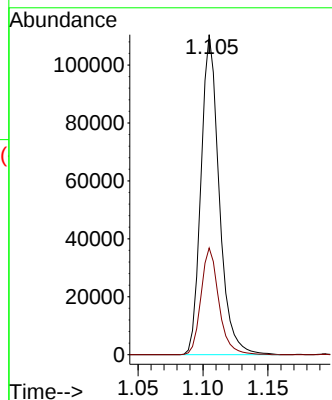
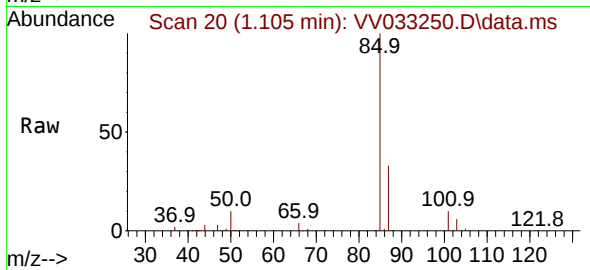
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 41.414 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV033250.D
 Acq: 12 Dec 2023 06:03

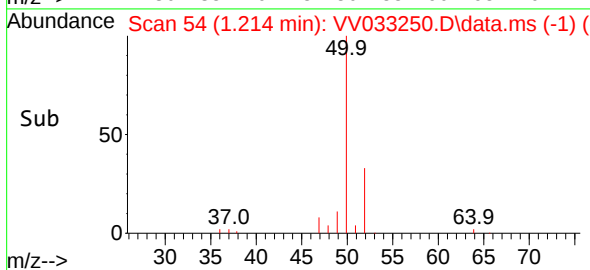
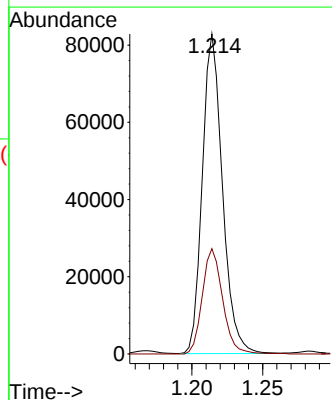
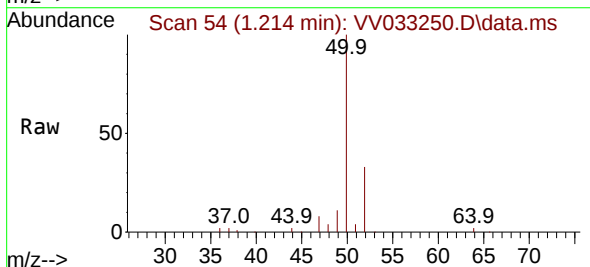
Instrument :
 MSVOA_V
 ClientSampleId :
 YCHF6MSD

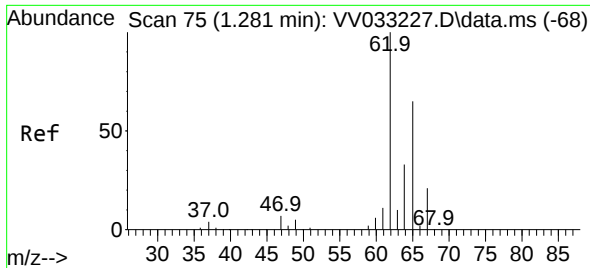
Tgt Ion: 85 Resp: 107899
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.0 39.0



#3
 Chloromethane
 Concen: 47.551 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033250.D
 Acq: 12 Dec 2023 06:03

Tgt Ion: 50 Resp: 81709
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.8 42.4

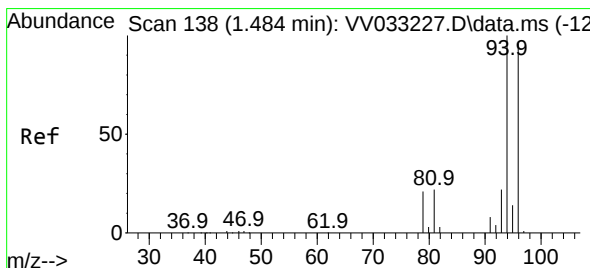
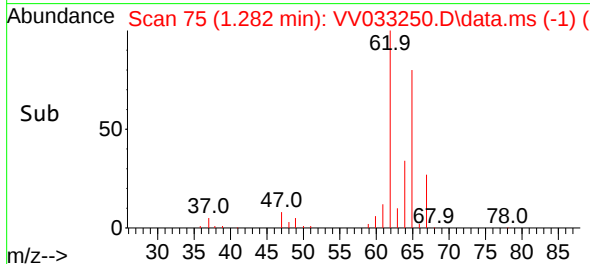
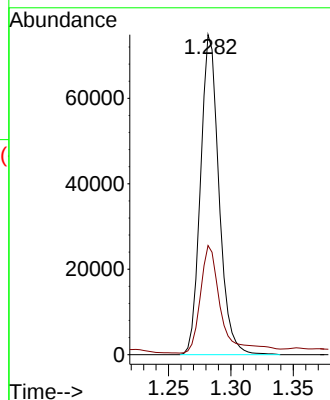
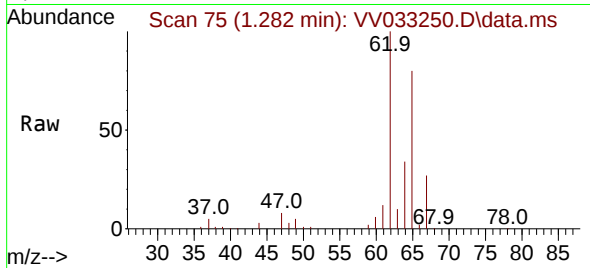




#5
 Vinyl chloride
 Concen: 46.595 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VV033250.D
 Acq: 12 Dec 2023 06:03

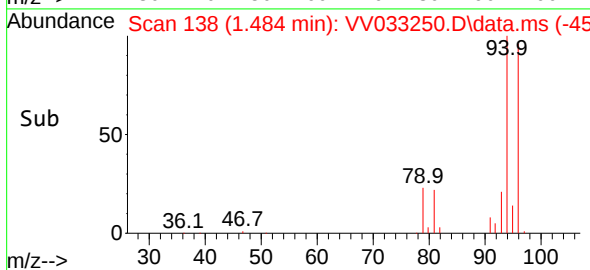
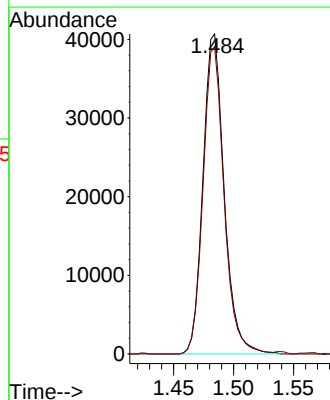
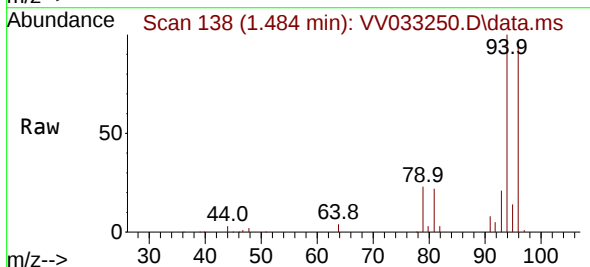
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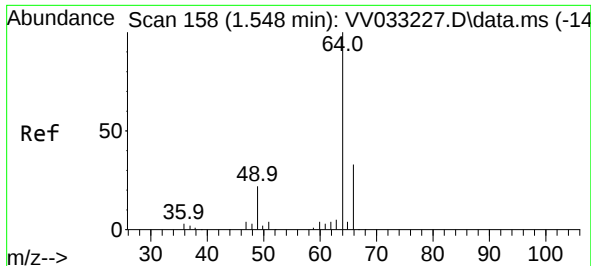
Tgt Ion: 62 Resp: 76788
 Ion Ratio Lower Upper
 62 100
 64 34.1 24.2 45.0



#6
 Bromomethane
 Concen: 46.634 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV033250.D
 Acq: 12 Dec 2023 06:03

Tgt Ion: 94 Resp: 50148
 Ion Ratio Lower Upper
 94 100
 96 96.0 67.1 124.7





#8

Chloroethane

Concen: 51.132 ug/L

RT: 1.545 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Instrument :

MSVOA_V

ClientSampleId :

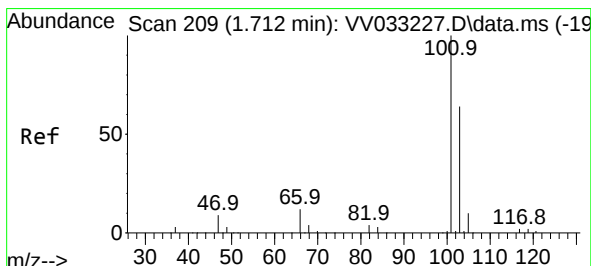
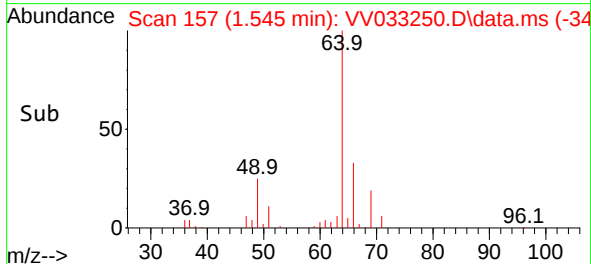
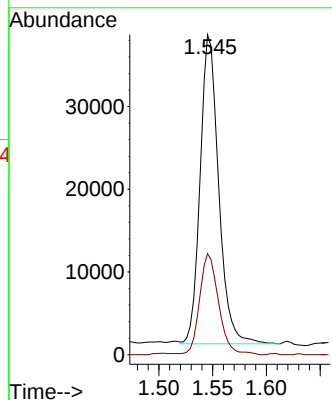
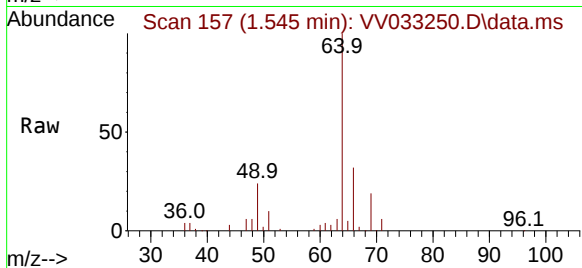
YCHF6MSD

Tgt Ion: 64 Resp: 44862

Ion Ratio Lower Upper

64 100

66 31.6 22.3 41.5



#9

Trichlorofluoromethane

Concen: 48.323 ug/L

RT: 1.712 min Scan# 209

Delta R.T. 0.000 min

Lab File: VV033250.D

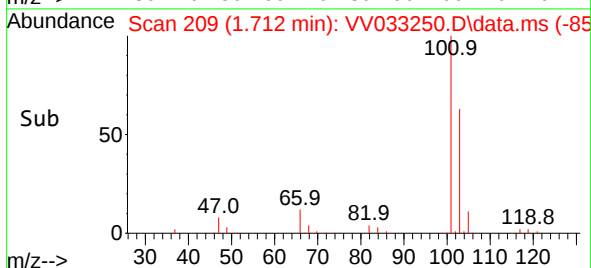
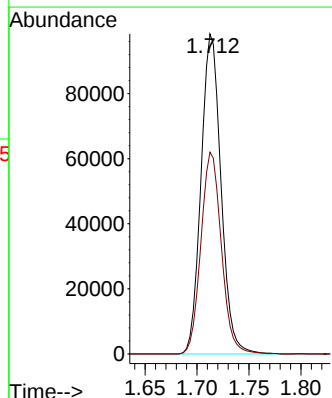
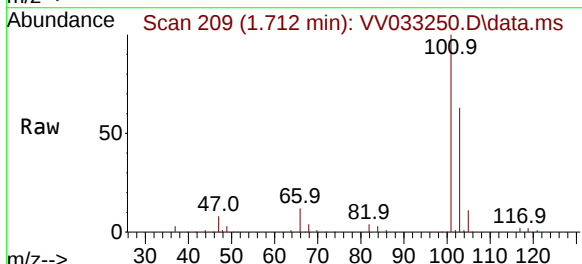
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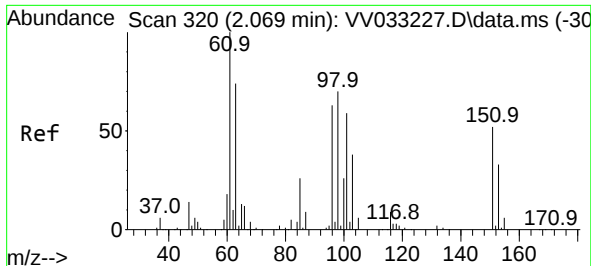
Tgt Ion:101 Resp: 131407

Ion Ratio Lower Upper

101 100

103 64.5 51.3 76.9





#10

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

Concen: 47.160 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Instrument :

MSVOA_V

ClientSampleId :

YCHF6MSD

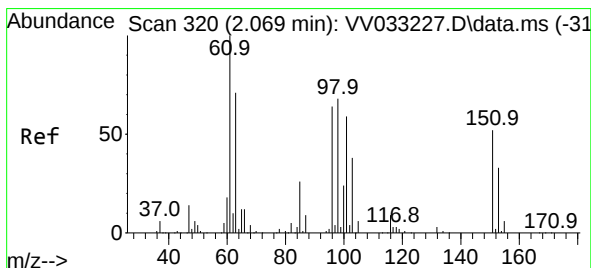
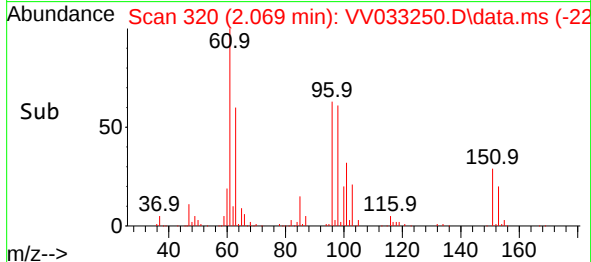
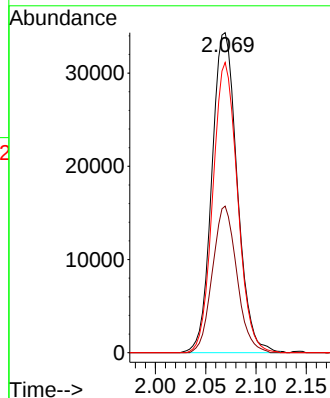
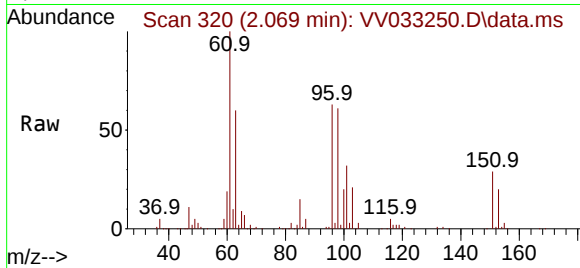
Tgt Ion:101 Resp: 60223

Ion Ratio Lower Upper

101 100

85 44.1 36.0 54.0

151 88.3 69.1 103.7



#12

1,1-Dichloroethene

Concen: 83.972 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

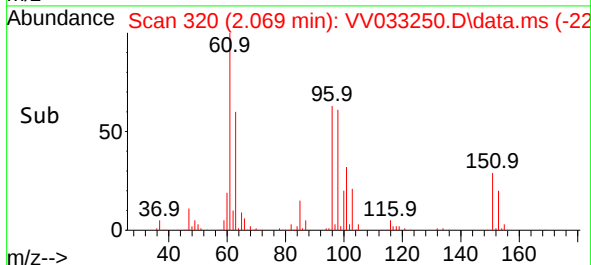
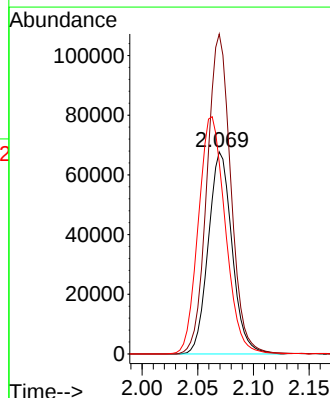
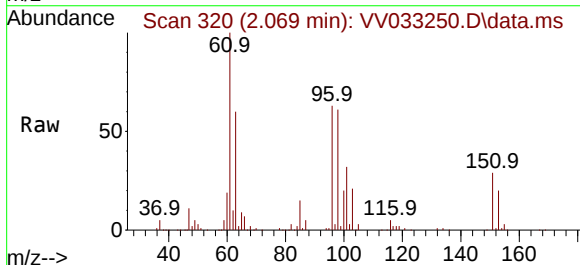
Tgt Ion: 96 Resp: 100344

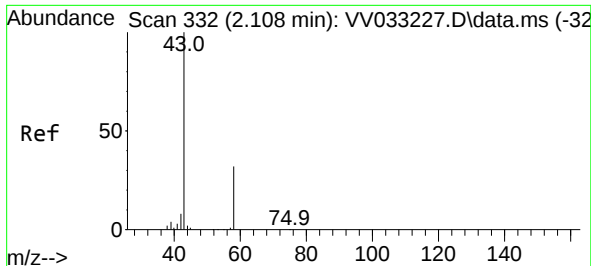
Ion Ratio Lower Upper

96 100

61 158.3 109.1 202.7

63 94.8 85.3 158.3





#13

Acetone

Concen: 184.006 ug/L

RT: 2.108 min Scan# 31

Delta R.T. 0.000 min

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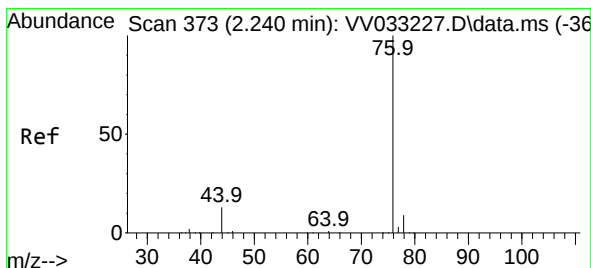
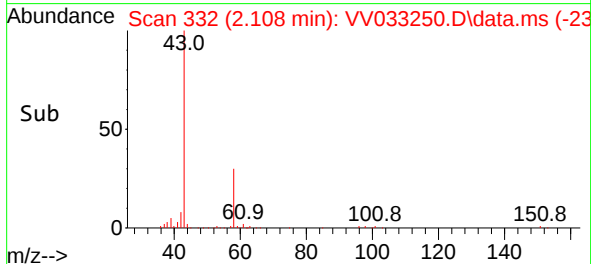
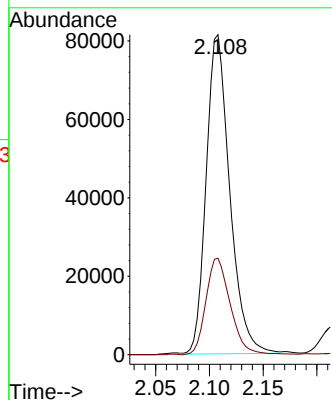
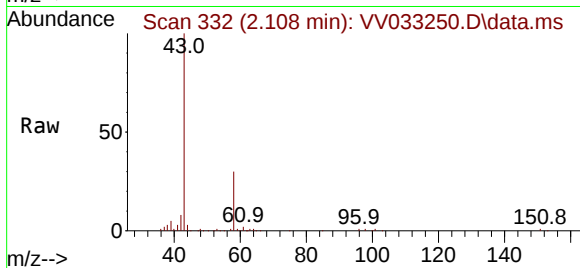
YCHF6MSD

Tgt Ion: 43 Resp: 124318

Ion Ratio Lower Upper

43 100

58 31.0 0.0 62.8



#14

Carbon disulfide

Concen: 42.318 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV033250.D

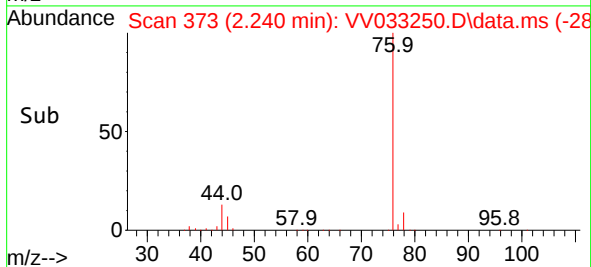
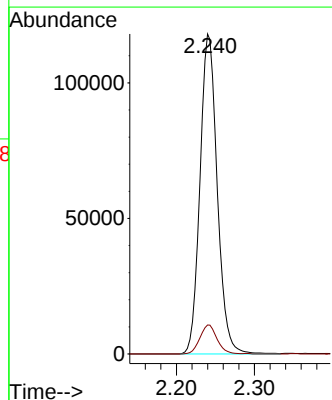
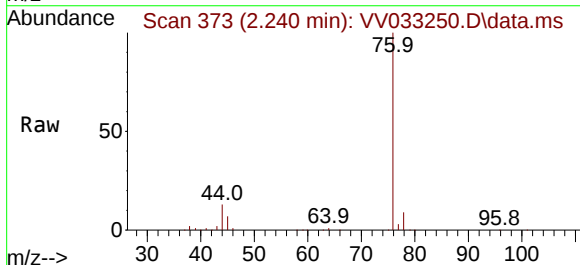
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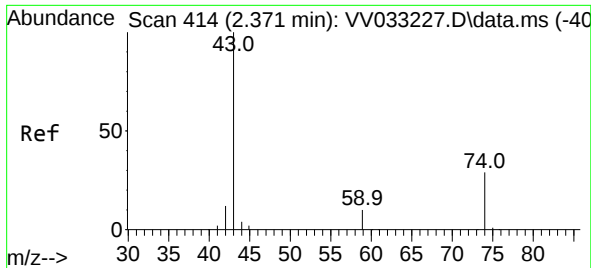
Tgt Ion: 76 Resp: 181429

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





#15

Methyl Acetate

Concen: 46.864 ug/L

RT: 2.368 min Scan# 41

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Instrument :

MSVOA_V

ClientSampleId :

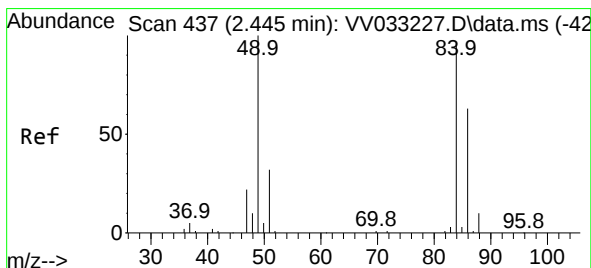
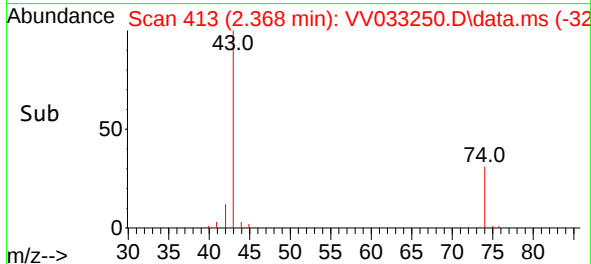
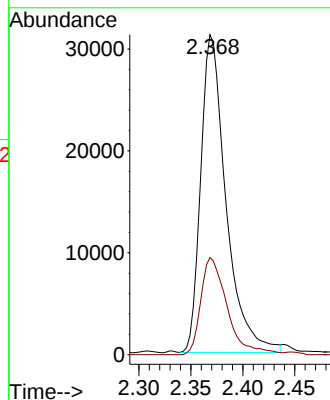
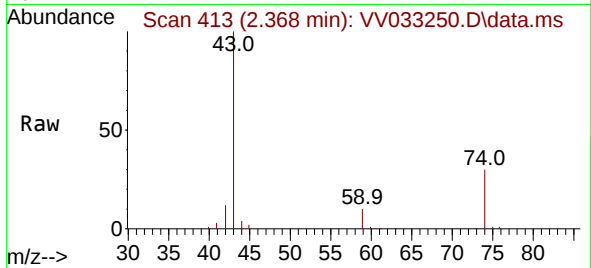
YCHF6MSD

Tgt Ion: 43 Resp: 52771

Ion Ratio Lower Upper

43 100

74 31.8 22.6 33.8



#16

Methylene chloride

Concen: 54.026 ug/L

RT: 2.446 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

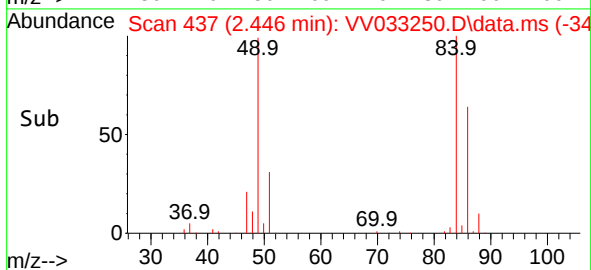
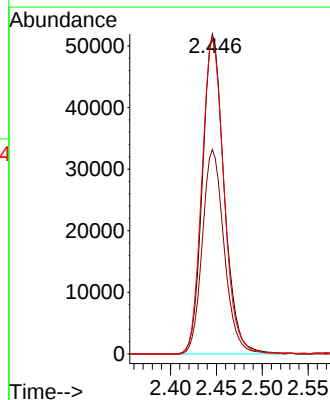
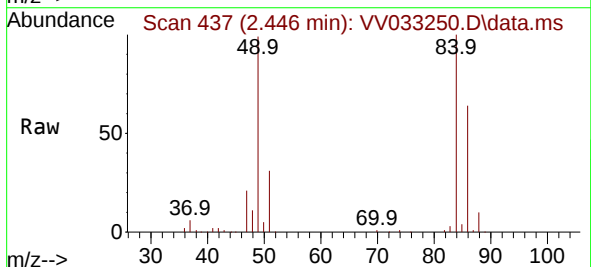
Tgt Ion: 84 Resp: 85488

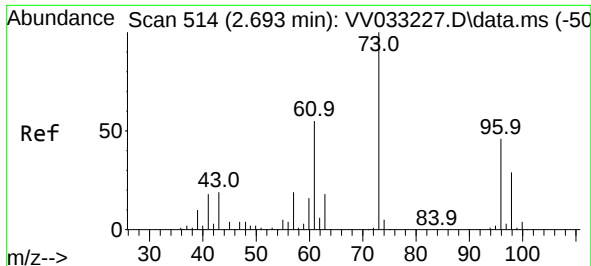
Ion Ratio Lower Upper

84 100

86 63.9 45.9 85.3

49 99.2 75.5 140.1

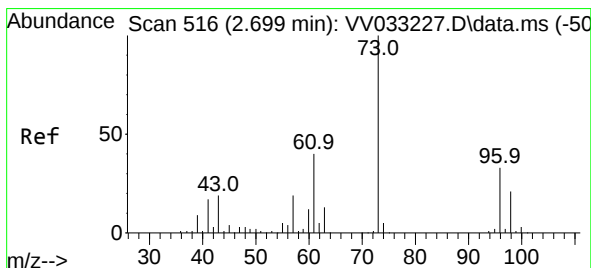
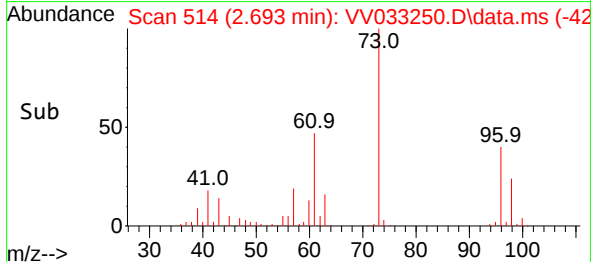
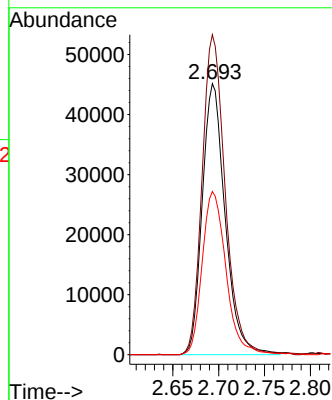
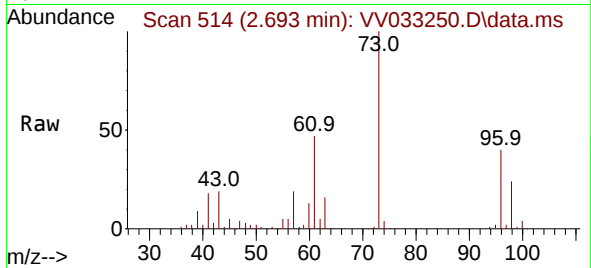




#17
trans-1,2-Dichloroethene
Concen: 50.026 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

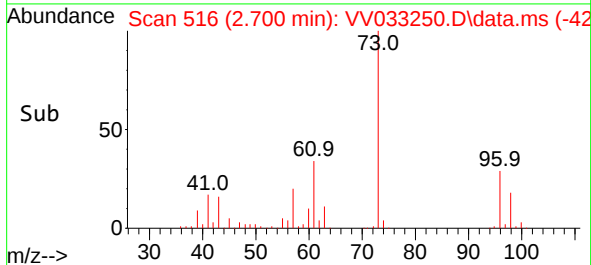
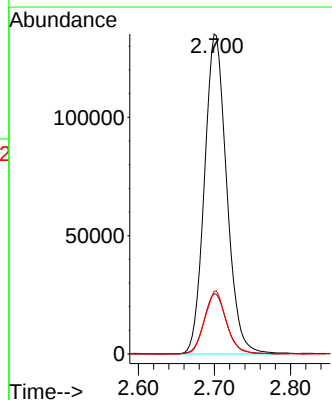
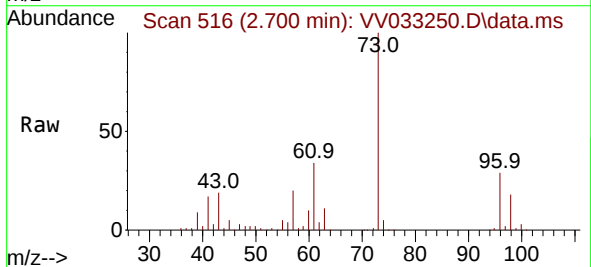
Instrument :
MSVOA_V
ClientSampleId :
YCHF6MSD

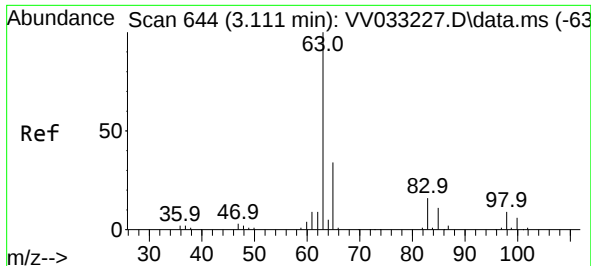
Tgt Ion: 96 Resp: 78489
Ion Ratio Lower Upper
96 100
61 118.1 86.5 160.6
98 60.2 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 57.681 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

Tgt Ion: 73 Resp: 274921
Ion Ratio Lower Upper
73 100
43 19.0 15.4 23.2
57 19.2 16.1 24.1





#19

1,1-Dichloroethane

Concen: 55.892 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Instrument :

MSVOA_V

ClientSampleId :

YCHF6MSD

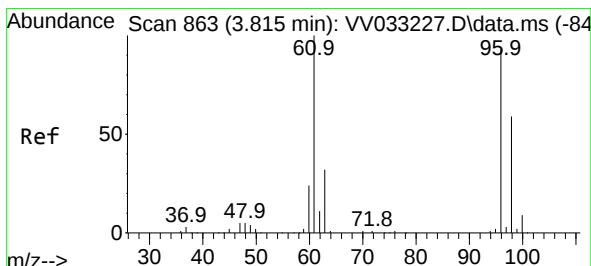
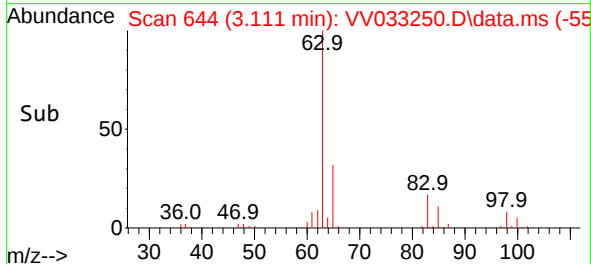
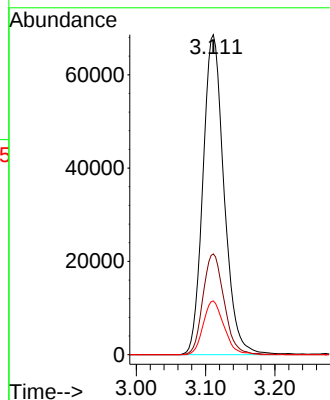
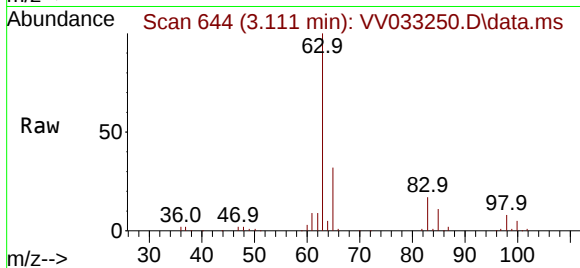
Tgt Ion: 63 Resp: 145140

Ion Ratio Lower Upper

63 100

65 31.5 23.0 42.6

83 16.8 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 66.245 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

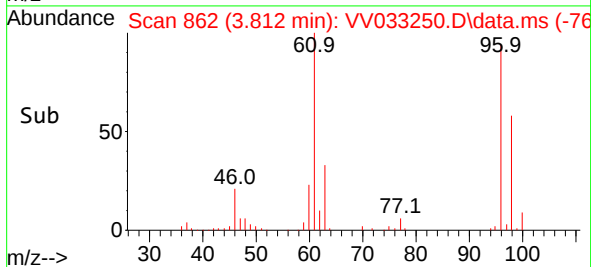
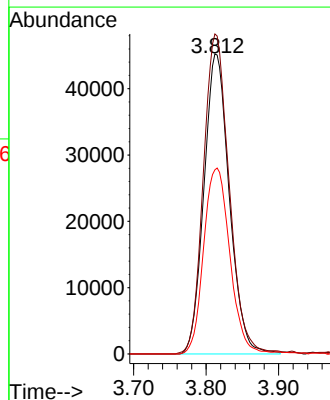
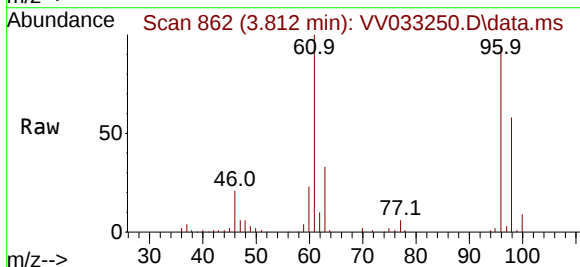
Tgt Ion: 96 Resp: 110283

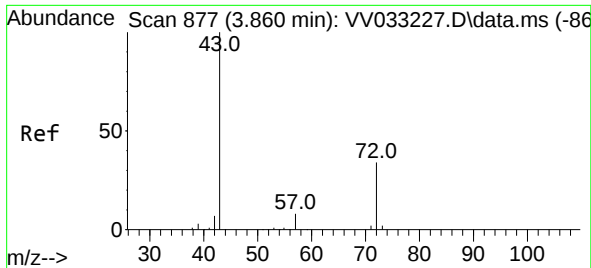
Ion Ratio Lower Upper

96 100

61 106.6 79.1 146.9

98 61.4 45.1 83.7

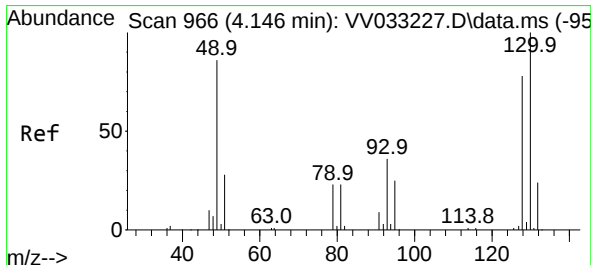
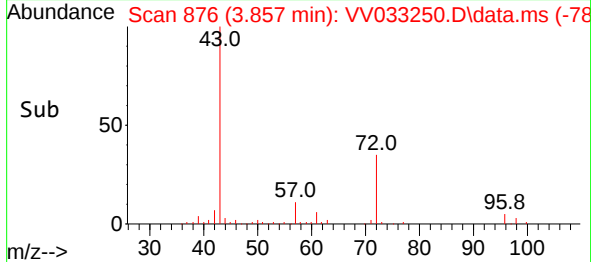
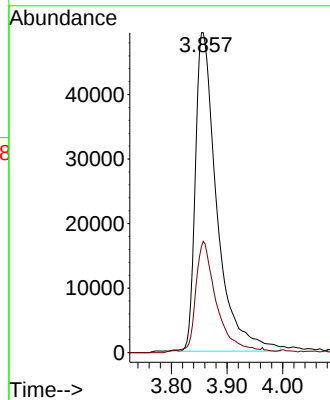
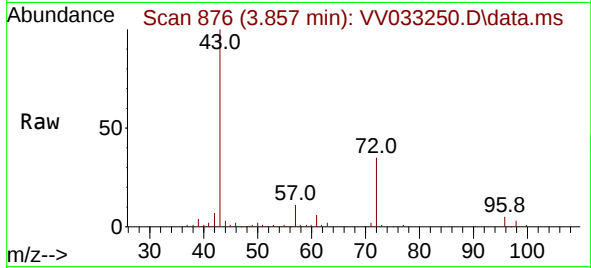




#22
2-Butanone
Concen: 154.145 ug/L
RT: 3.857 min Scan# 81
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

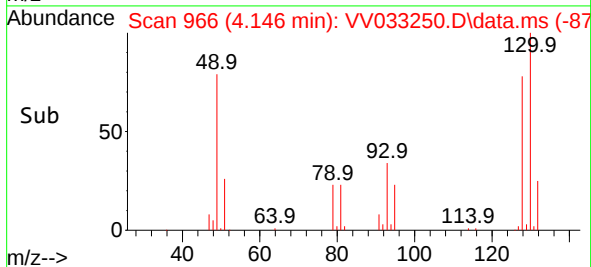
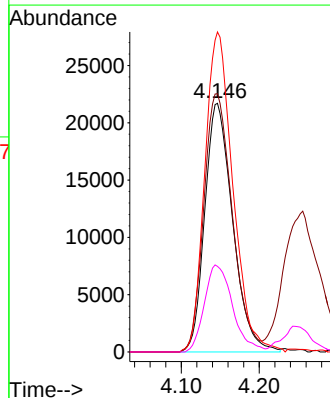
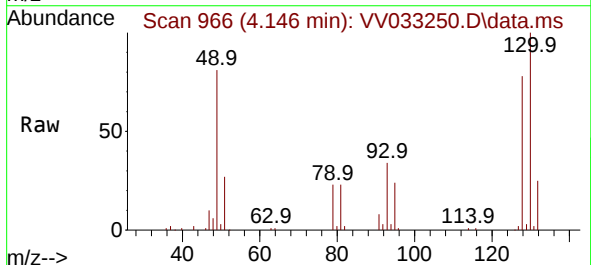
Instrument :
MSVOA_V
ClientSampleId :
YCHF6MSD

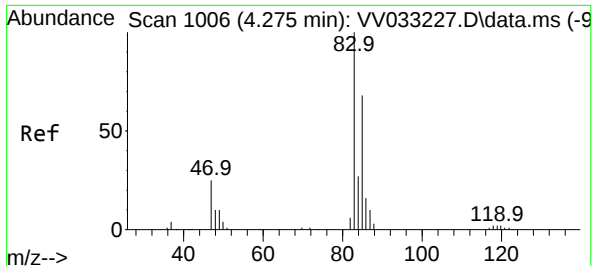
Tgt Ion: 43 Resp: 132533
Ion Ratio Lower Upper
43 100
72 32.1 14.6 43.8



#23
Bromochloromethane
Concen: 56.507 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

Tgt Ion:128 Resp: 54016
Ion Ratio Lower Upper
128 100
49 103.9 81.7 151.7
130 128.7 90.1 167.3
51 34.4 30.5 45.7





#25

Chloroform

Concen: 55.501 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.003 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Instrument :

MSVOA_V

ClientSampleId :

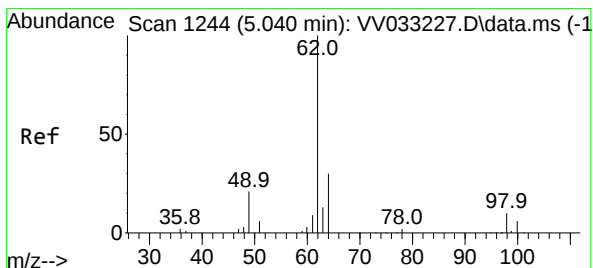
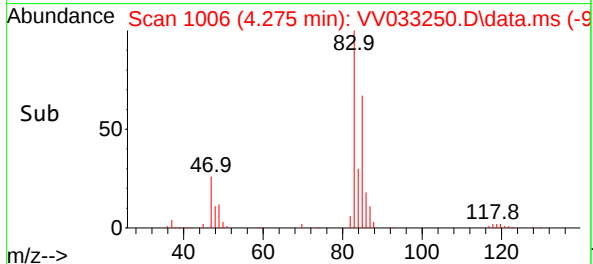
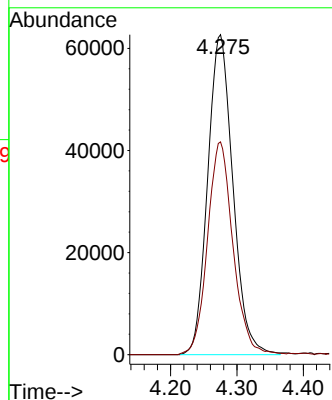
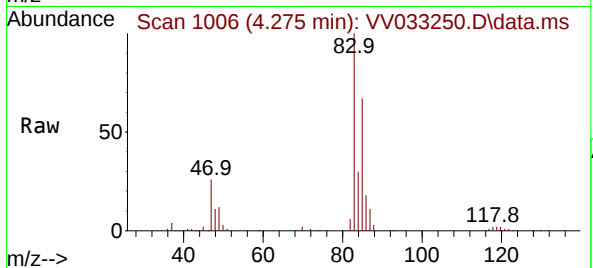
YCHF6MSD

Tgt Ion: 83 Resp: 165756

Ion Ratio Lower Upper

83 100

85 66.5 43.5 80.7



#27

1,2-Dichloroethane

Concen: 58.670 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV033250.D

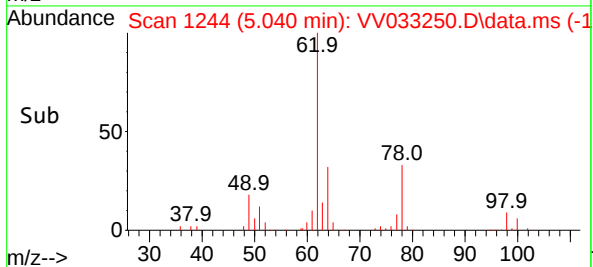
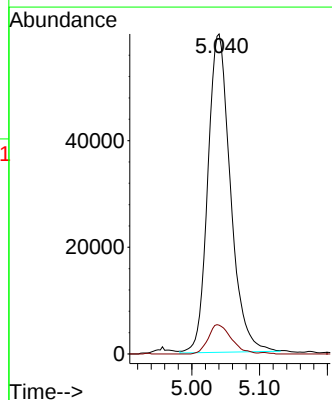
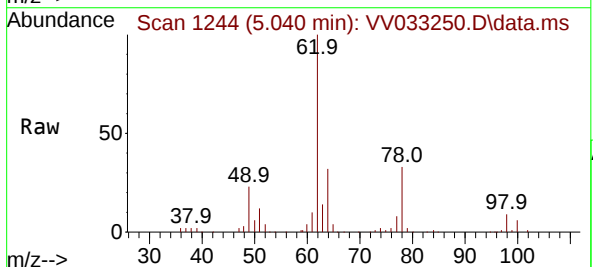
Acq: 12 Dec 2023 06:03

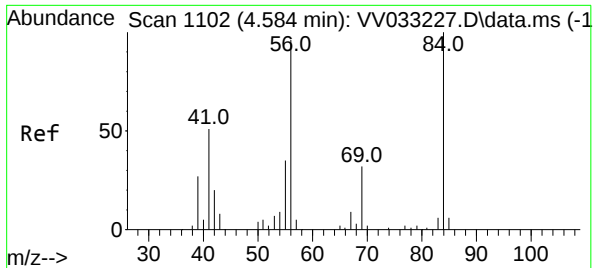
Tgt Ion: 62 Resp: 138461

Ion Ratio Lower Upper

62 100

98 9.0 7.8 11.8

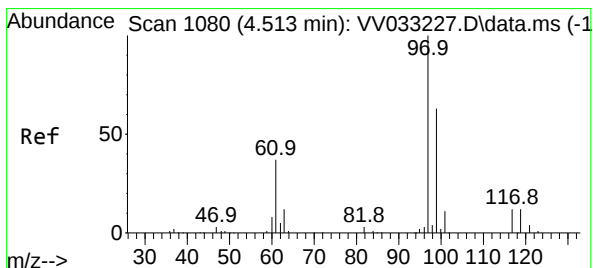
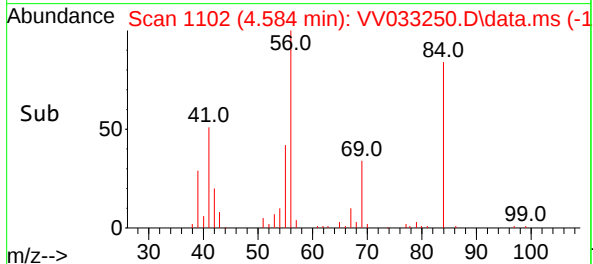
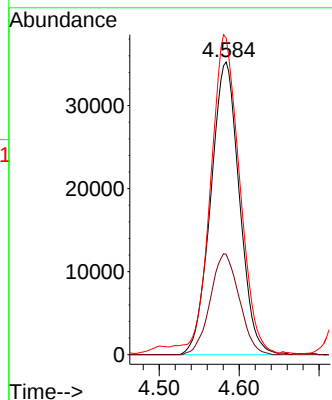
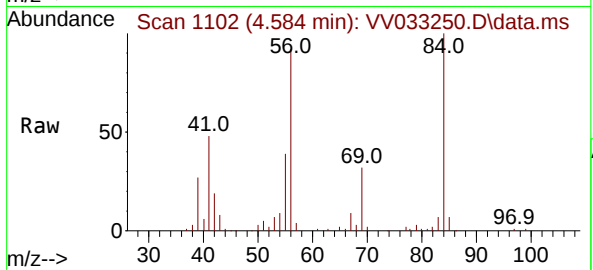




#29
Cyclohexane
Concen: 38.865 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

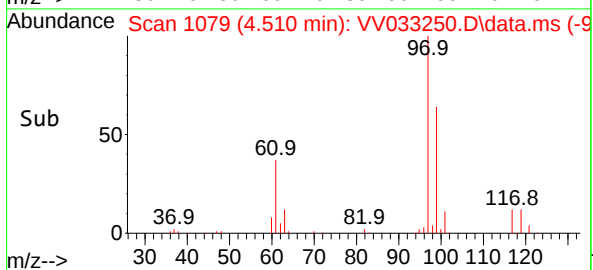
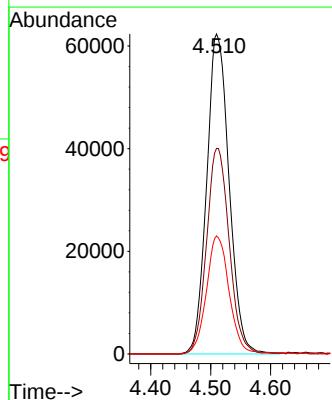
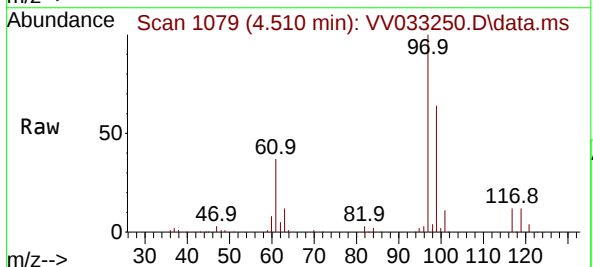
Instrument :
MSVOA_V
ClientSampleId :
YCHF6MSD

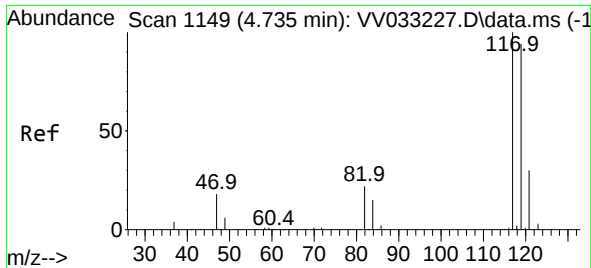
Tgt Ion:	56	Resp:	87580
Ion	Ratio	Lower	Upper
56	100		
69	34.9	26.9	40.3
84	108.7	80.6	121.0



#30
1,1,1-Trichloroethane
Concen: 53.810 ug/L
RT: 4.510 min Scan# 1079
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

Tgt Ion:	97	Resp:	162248
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	37.2	31.8	47.8

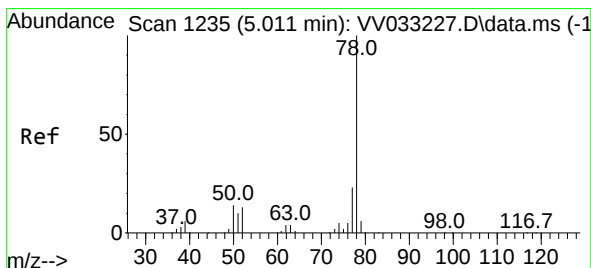
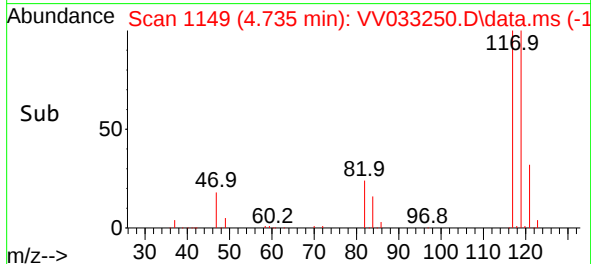
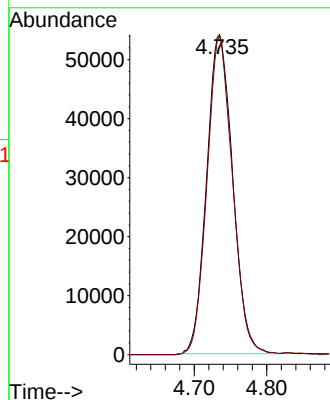
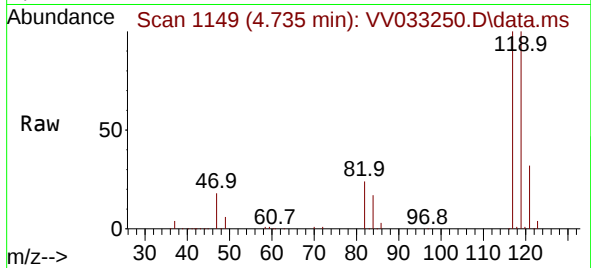




#31
Carbon tetrachloride
Concen: 48.132 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

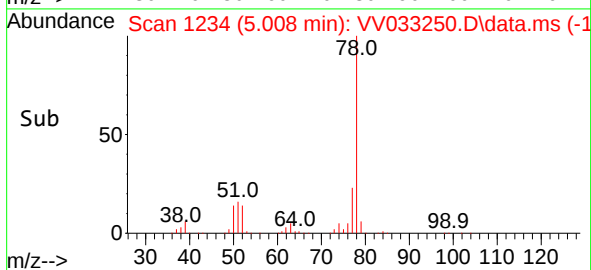
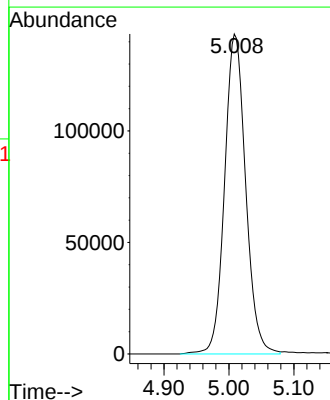
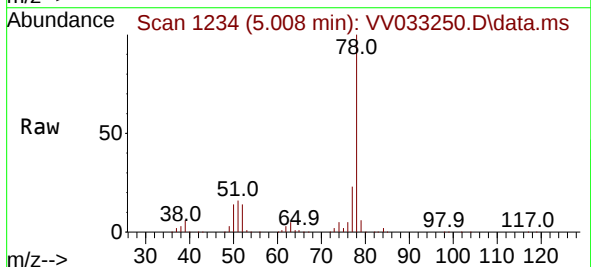
Instrument :
MSVOA_V
ClientSampleId :
YCHF6MSD

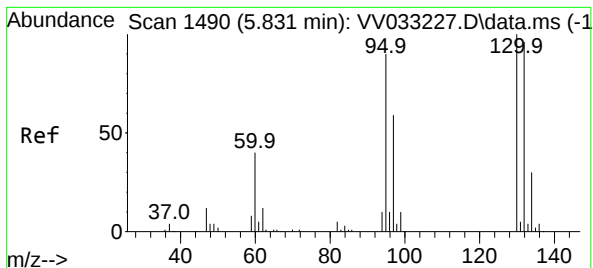
Tgt Ion:117 Resp: 134941
Ion Ratio Lower Upper
117 100
119 97.9 77.5 116.3



#33
Benzene
Concen: 52.191 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

Tgt Ion: 78 Resp: 322671





#34

Trichloroethene

Concen: 92.314 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Instrument :

MSVOA_V

ClientSampleId :

YCHF6MSD

Tgt Ion: 95 Resp: 170508

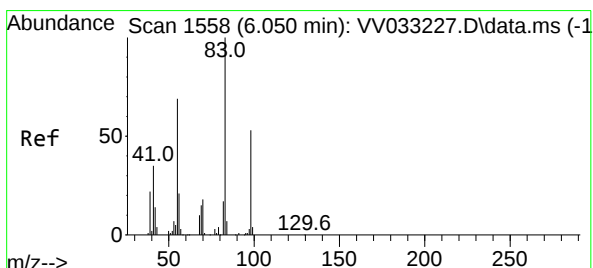
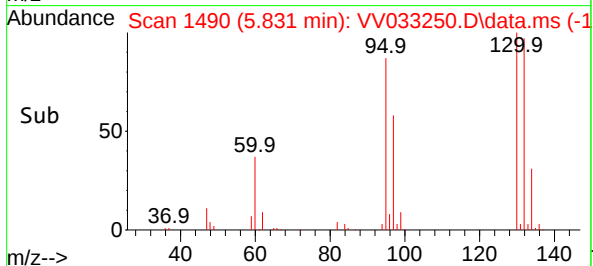
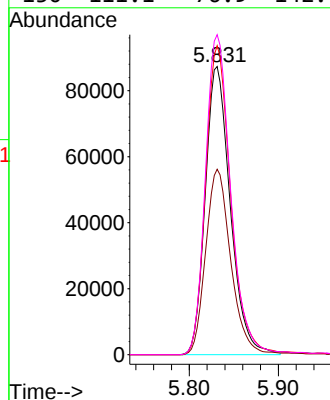
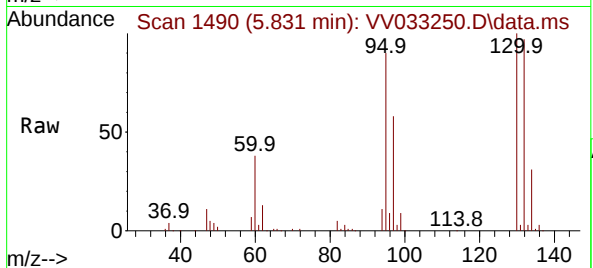
Ion Ratio Lower Upper

95 100

97 64.4 45.8 85.0

132 107.2 77.4 143.8

130 111.1 76.9 142.7



#35

Methylcyclohexane

Concen: 41.430 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

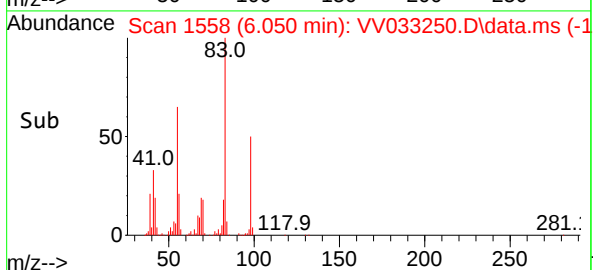
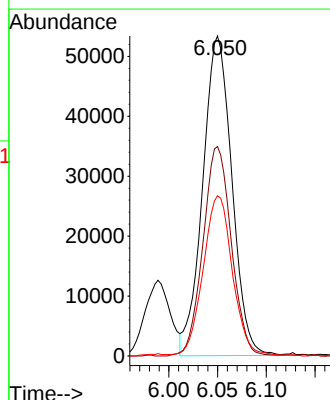
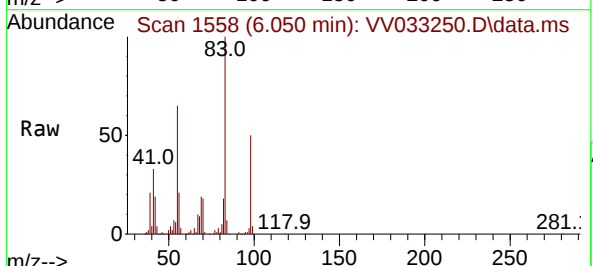
Tgt Ion: 83 Resp: 111062

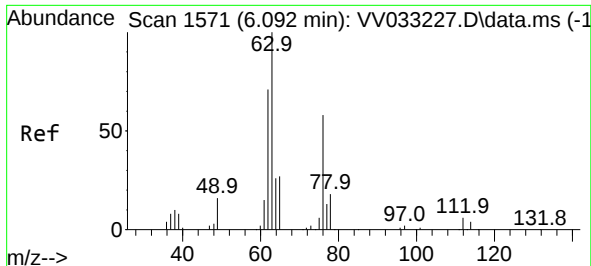
Ion Ratio Lower Upper

83 100

55 63.6 54.8 82.2

98 50.4 41.4 62.0





#37

1,2-Dichloropropane

Concen: 53.933 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Instrument :

MSVOA_V

ClientSampleId :

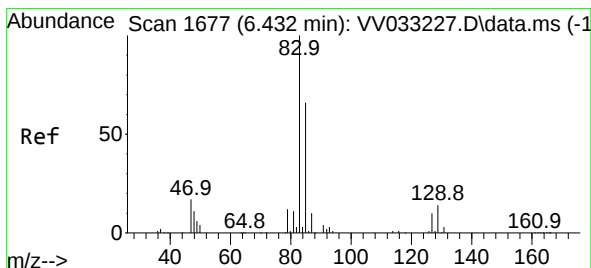
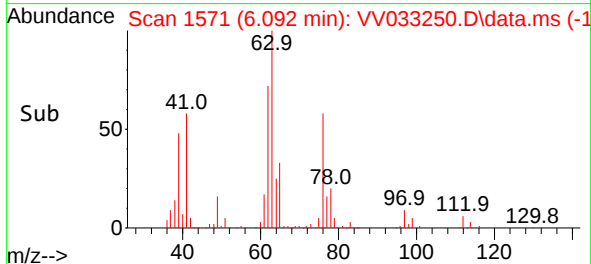
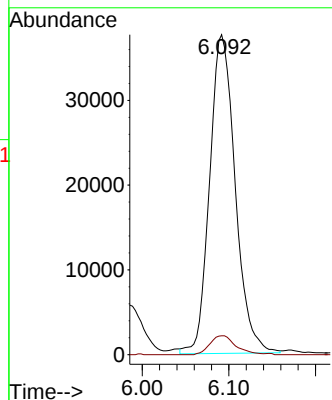
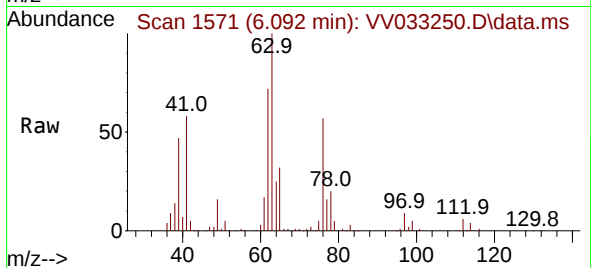
YCHF6MSD

Tgt Ion: 63 Resp: 77169

Ion Ratio Lower Upper

63 100

112 6.0 4.6 6.8



#38

Bromodichloromethane

Concen: 55.393 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

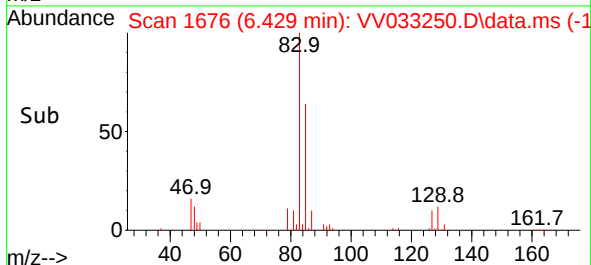
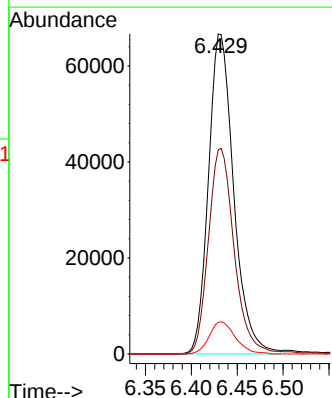
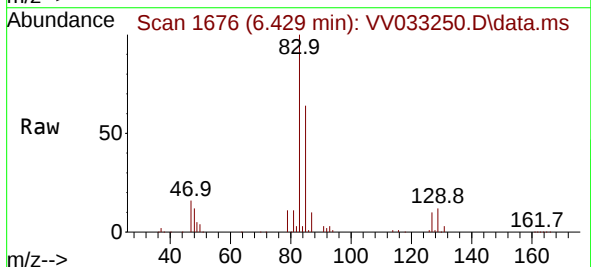
Tgt Ion: 83 Resp: 127775

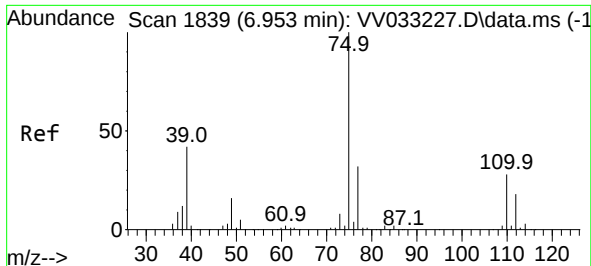
Ion Ratio Lower Upper

83 100

85 63.8 45.6 84.6

127 9.9 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 54.154 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Instrument :

MSVOA_V

ClientSampleId :

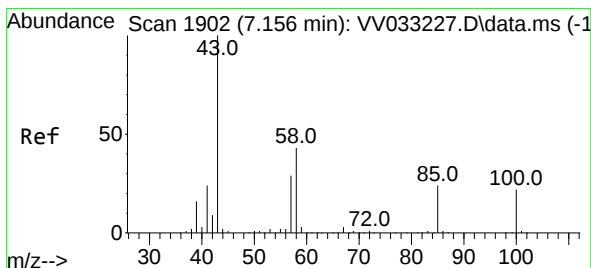
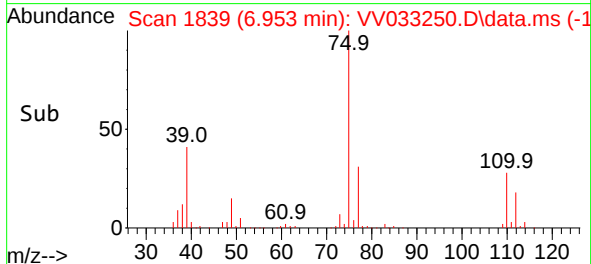
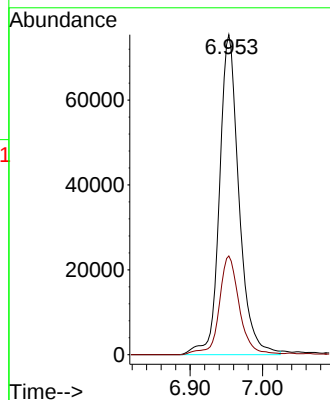
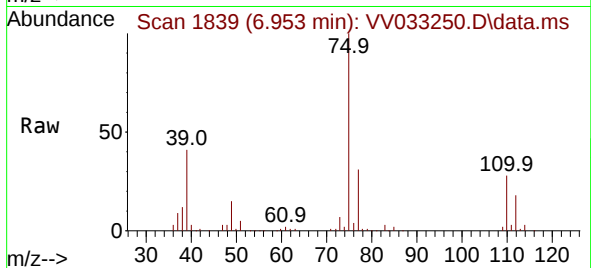
YCHF6MSD

Tgt Ion: 75 Resp: 140602

Ion Ratio Lower Upper

75 100

77 30.9 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 121.820 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

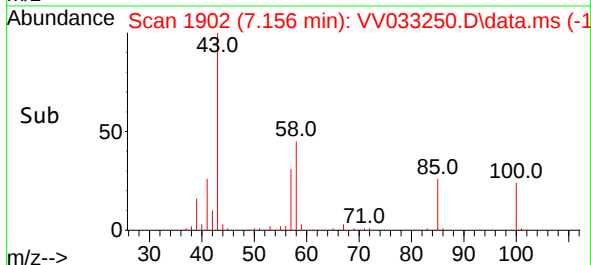
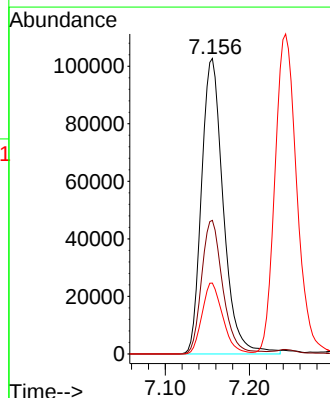
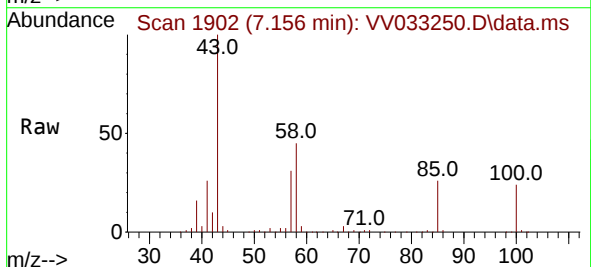
Tgt Ion: 43 Resp: 185068

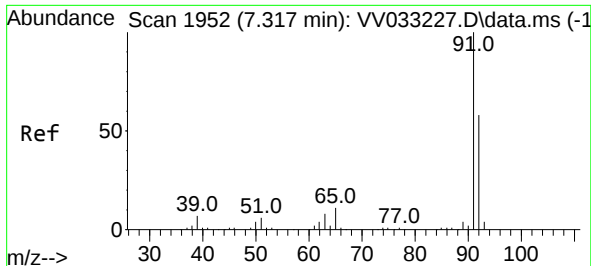
Ion Ratio Lower Upper

43 100

58 44.2 34.5 51.7

100 22.8 17.0 25.6





#42

Toluene

Concen: 52.975 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Instrument :

MSVOA_V

ClientSampleId :

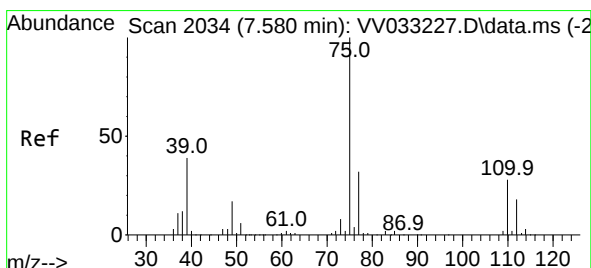
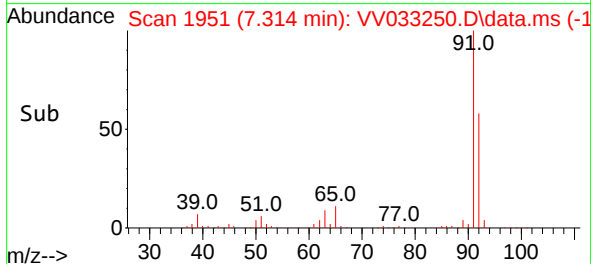
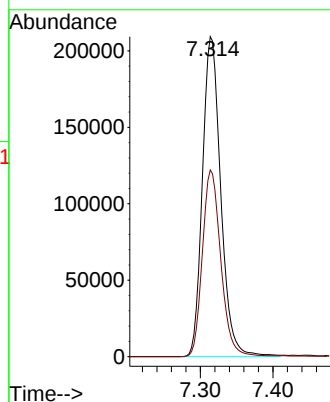
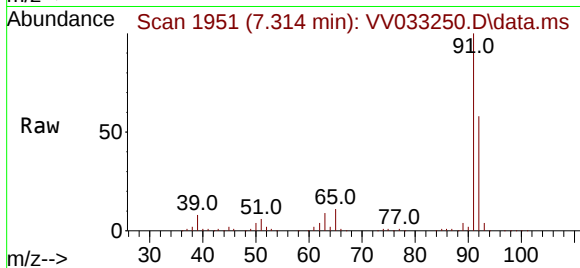
YCHF6MSD

Tgt Ion: 91 Resp: 369065

Ion Ratio Lower Upper

91 100

92 58.3 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 53.065 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033250.D

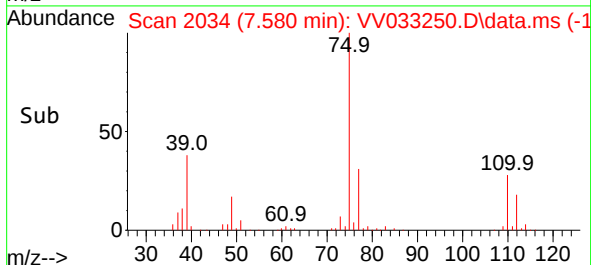
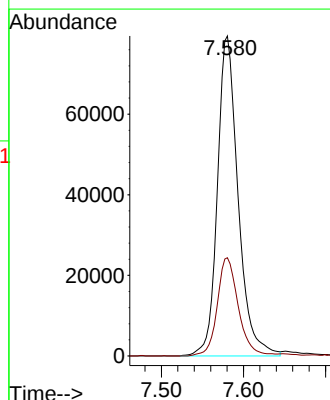
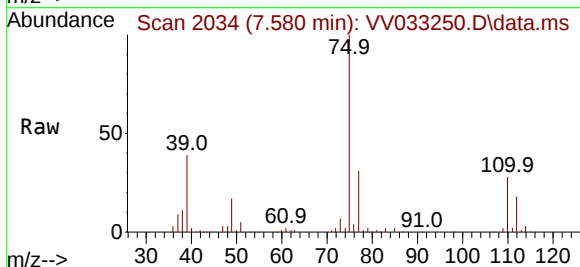
Acq: 12 Dec 2023 06:03

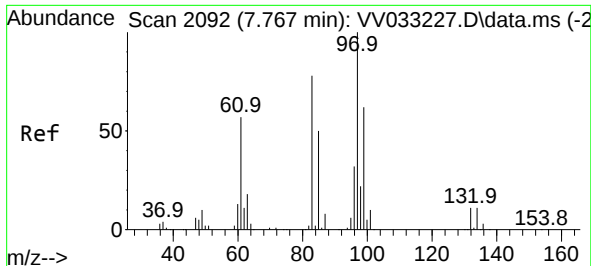
Tgt Ion: 75 Resp: 139316

Ion Ratio Lower Upper

75 100

77 30.7 22.0 41.0

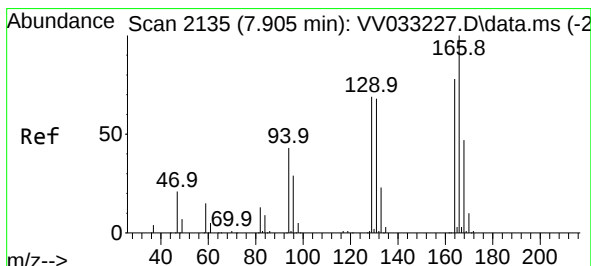
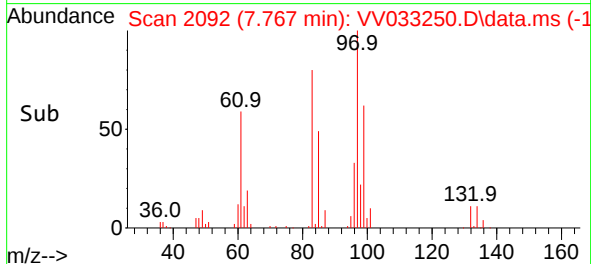
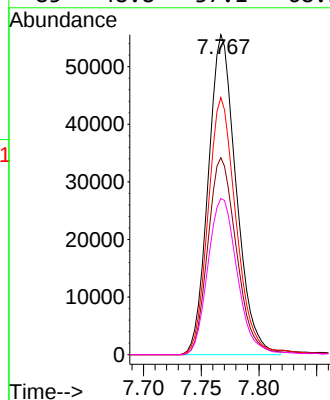
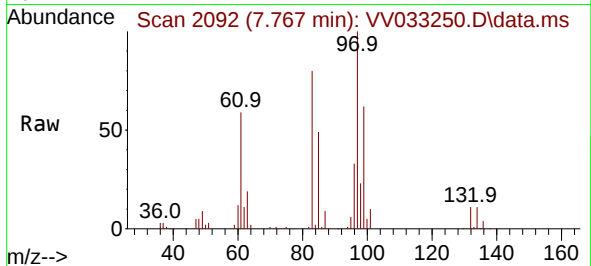




#45
1,1,2-Trichloroethane
Concen: 56.437 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

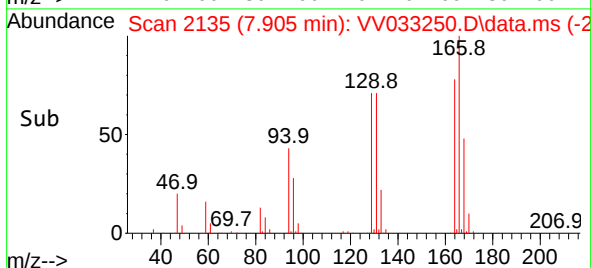
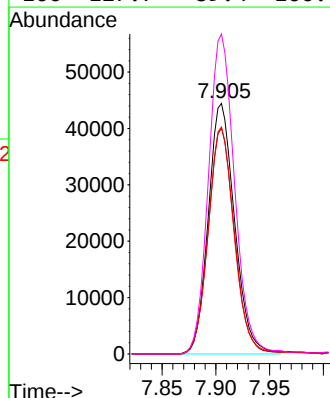
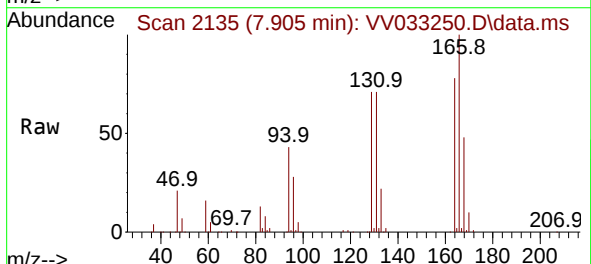
Instrument :
MSVOA_V
ClientSampleId :
YCHF6MSD

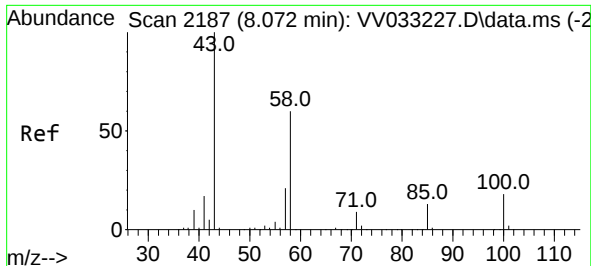
Tgt Ion: 97	Resp: 93630
Ion Ratio	Lower Upper
97 100	
99 61.5	43.2 80.2
83 80.4	55.8 103.6
85 48.8	37.1 68.9



#46
Tetrachloroethene
Concen: 47.694 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

Tgt	Ion:164	Resp:	75727
Ion	Ratio	Lower	Upper
164	100		
129	90.2	65.6	121.8
131	90.6	64.7	120.1
166	127.7	89.4	166.0

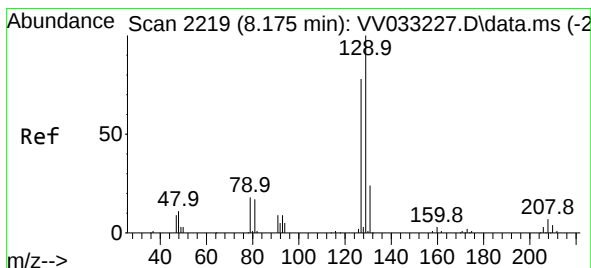
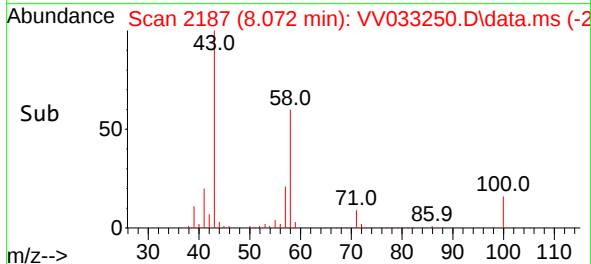
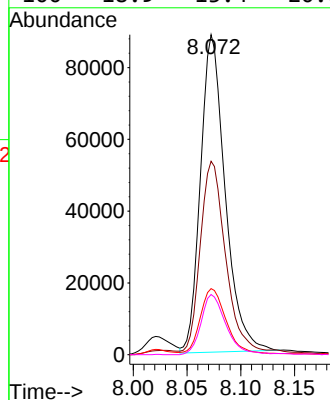
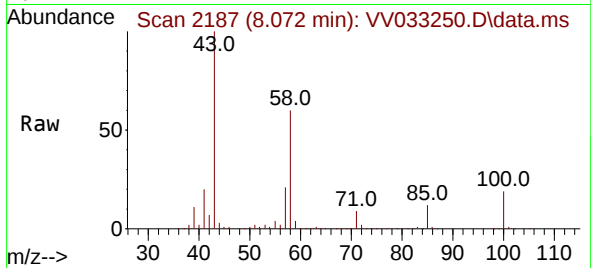




#48
2-Hexanone
Concen: 112.209 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

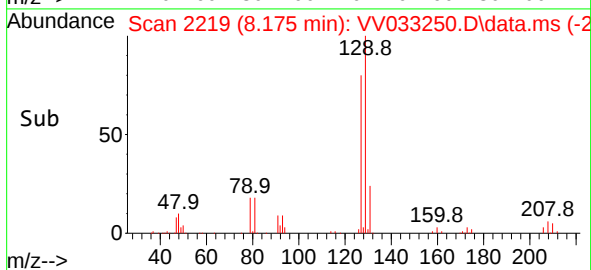
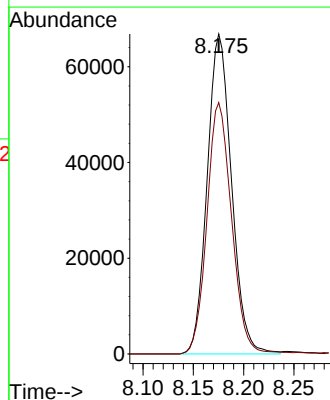
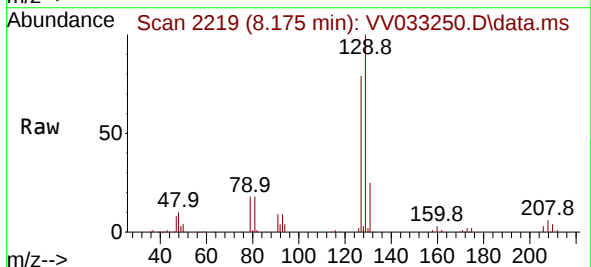
Instrument :
MSVOA_V
ClientSampleId :
YCHF6MSD

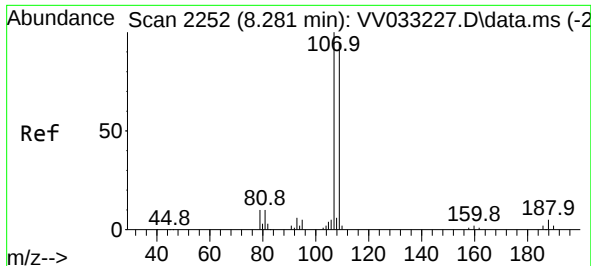
Tgt Ion: 43	Resp: 141335
Ion Ratio	Lower Upper
43 100	
58 60.9	47.9 71.9
57 21.2	17.4 26.0
100 18.9	13.4 20.0



#49
Dibromochloromethane
Concen: 56.917 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

Tgt Ion:129	Resp: 112723
Ion Ratio	Lower Upper
129 100	
127 78.5	54.1 100.5





#50

1,2-Dibromoethane

Concen: 56.973 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Instrument :

MSVOA_V

ClientSampleId :

YCHF6MSD

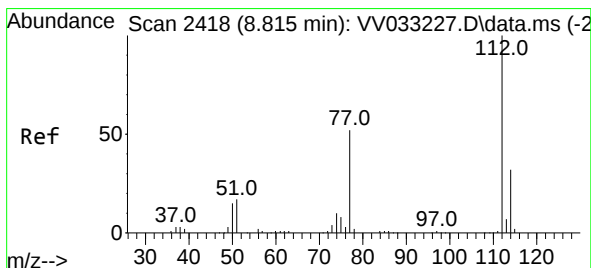
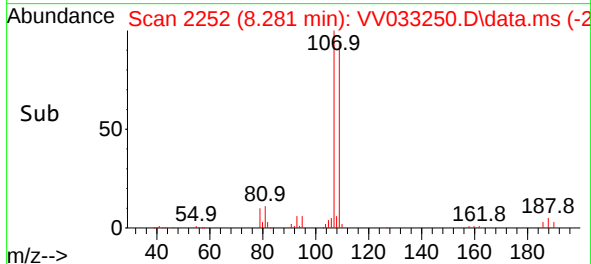
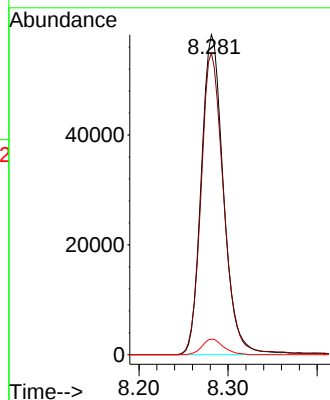
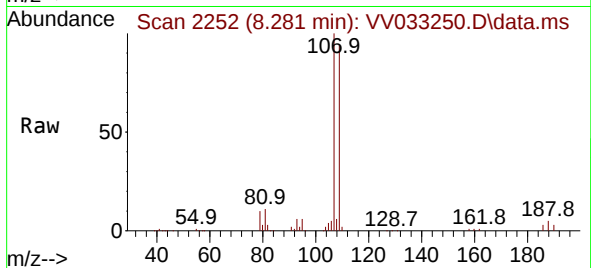
Tgt Ion:107 Resp: 100771

Ion Ratio Lower Upper

107 100

109 94.3 65.2 121.2

188 4.9 3.8 5.6



#51

Chlorobenzene

Concen: 53.060 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

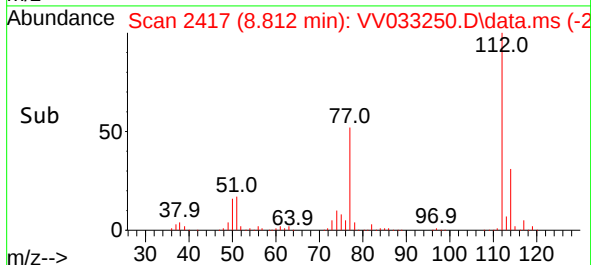
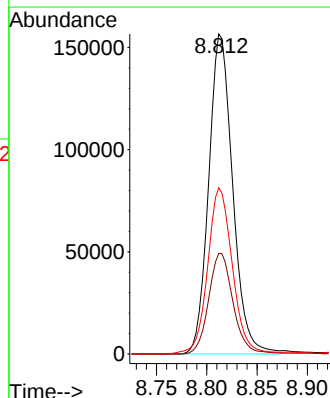
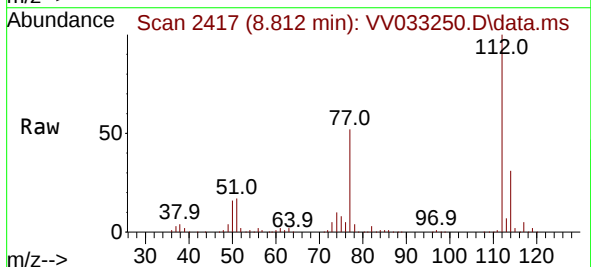
Tgt Ion:112 Resp: 259953

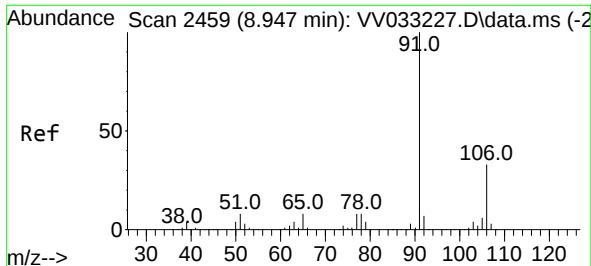
Ion Ratio Lower Upper

112 100

114 31.5 22.9 42.5

77 51.9 42.6 64.0

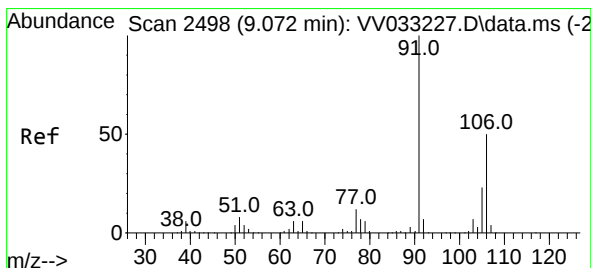
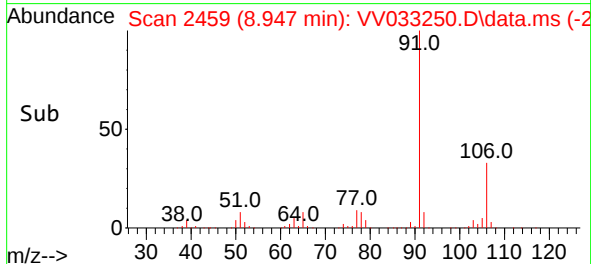
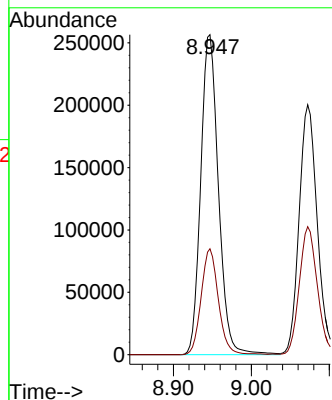
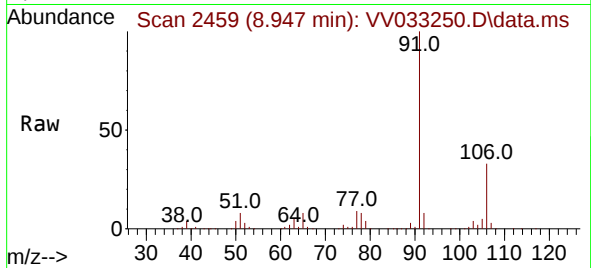




#52
Ethylbenzene
Concen: 50.488 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

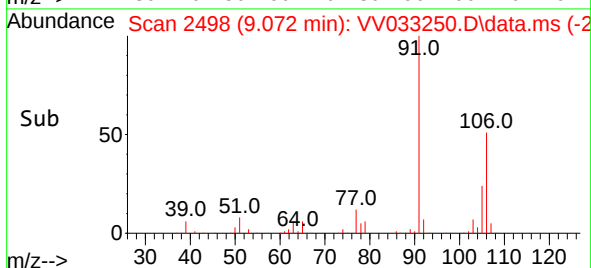
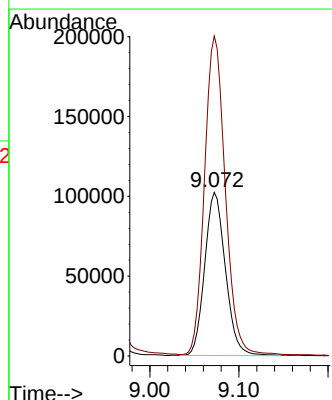
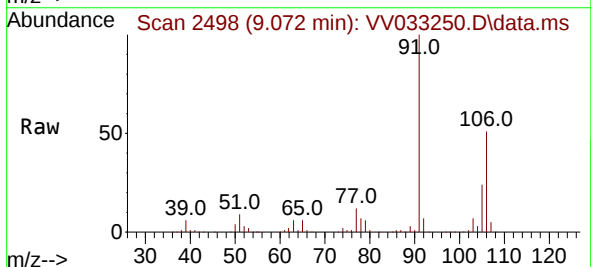
Instrument :
MSVOA_V
ClientSampleId :
YCHF6MSD

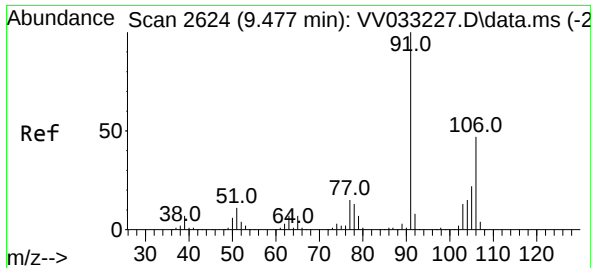
Tgt Ion: 91 Resp: 404865
Ion Ratio Lower Upper
91 100
106 33.1 22.6 42.0



#53
m,p-Xylene
Concen: 51.923 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

Tgt Ion: 106 Resp: 164890
Ion Ratio Lower Upper
106 100
91 195.4 145.2 269.6

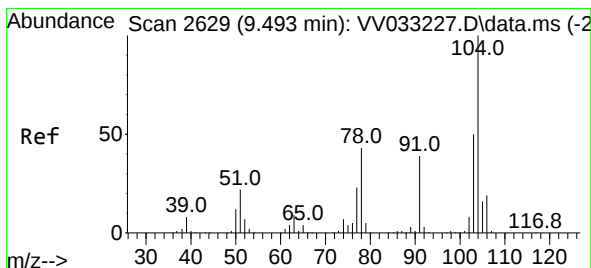
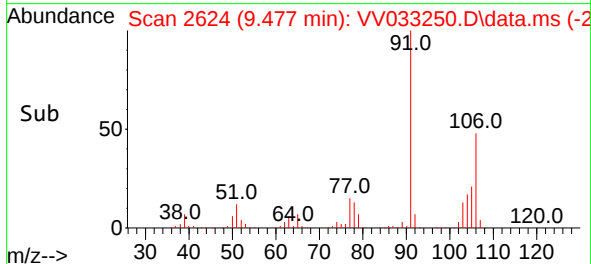
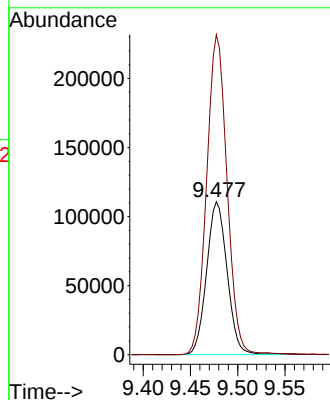
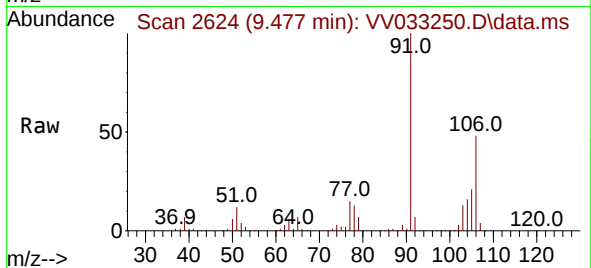




#54
o-Xylene
Concen: 53.314 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

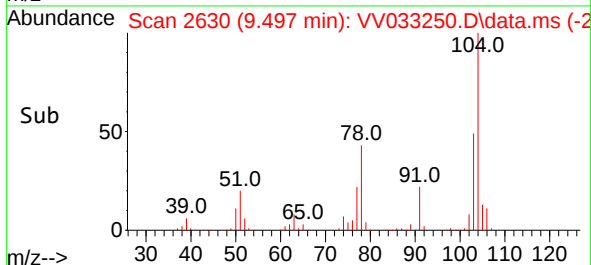
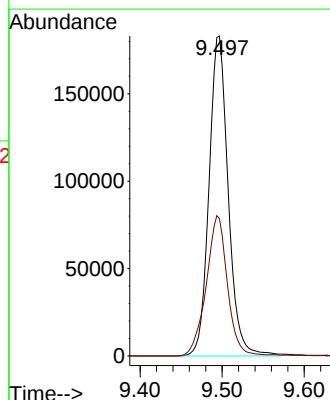
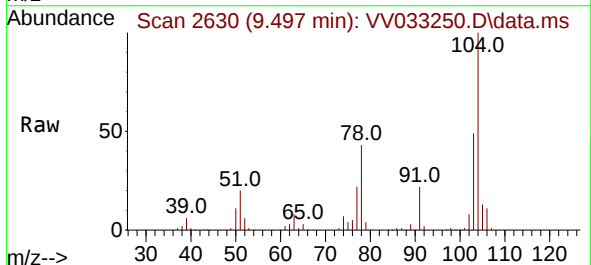
Instrument :
MSVOA_V
ClientSampleId :
YCHF6MSD

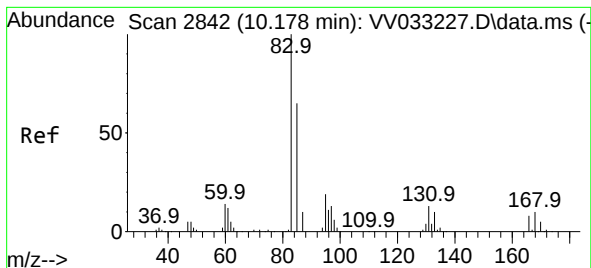
Tgt Ion:106 Resp: 167069
Ion Ratio Lower Upper
106 100
91 209.1 147.8 274.6



#55
Styrene
Concen: 55.058 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

Tgt Ion:104 Resp: 298473
Ion Ratio Lower Upper
104 100
78 43.0 30.2 56.0

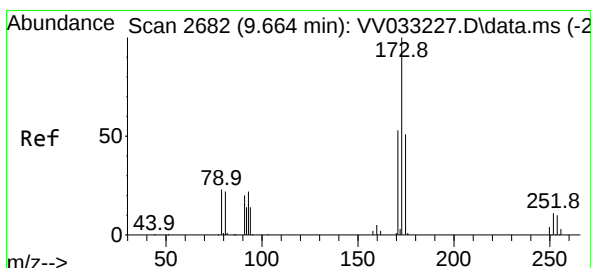
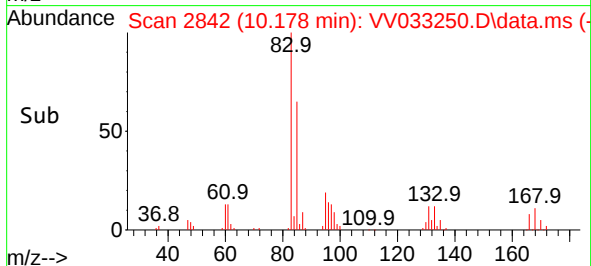
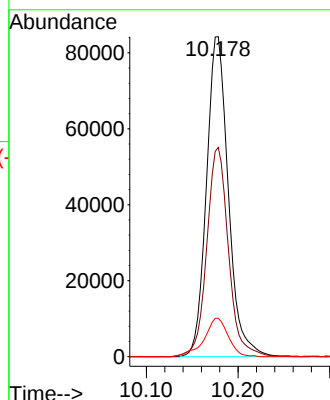
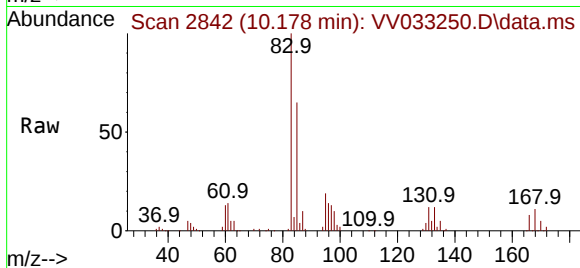




#57
1,1,2,2-Tetrachloroethane
Concen: 61.630 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

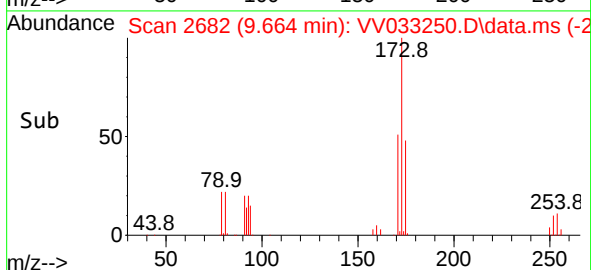
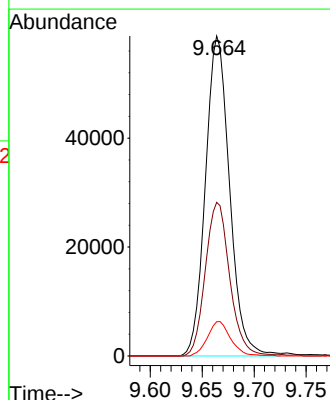
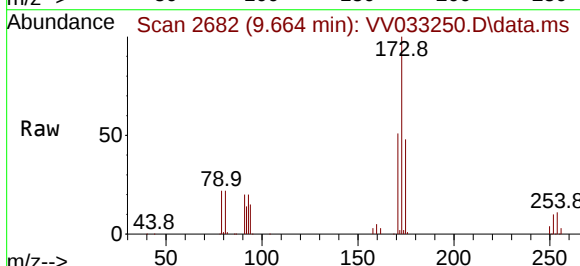
Instrument :
MSVOA_V
ClientSampleId :
YCHF6MSD

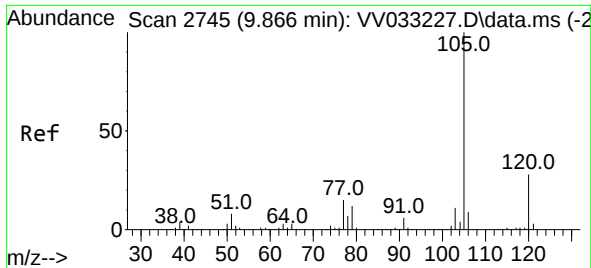
Tgt Ion: 83 Resp: 139694
Ion Ratio Lower Upper
83 100
85 65.4 45.5 84.5
131 12.0 9.7 14.5



#59
Bromoform
Concen: 59.029 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

Tgt Ion: 173 Resp: 94833
Ion Ratio Lower Upper
173 100
175 48.3 38.7 58.1
254 10.3 8.0 12.0

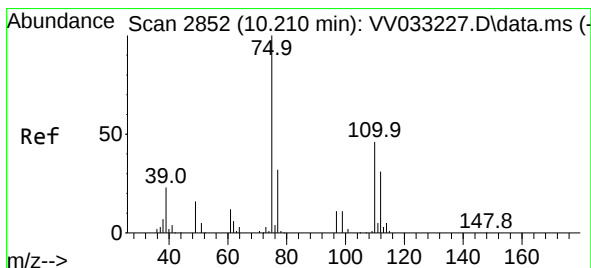
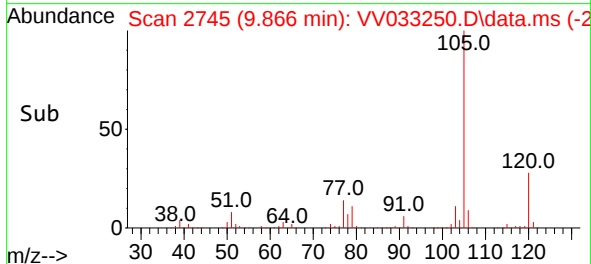
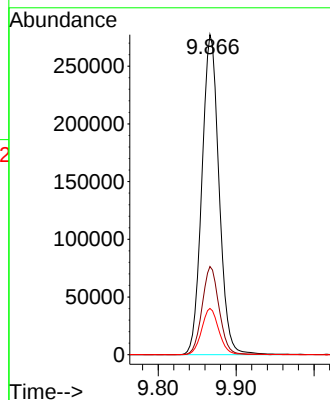
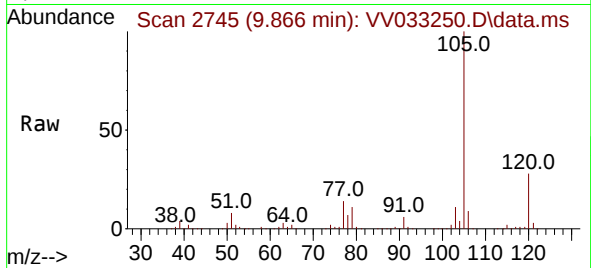




#60
Isopropylbenzene
Concen: 49.606 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

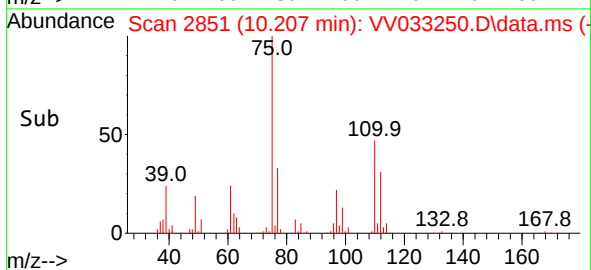
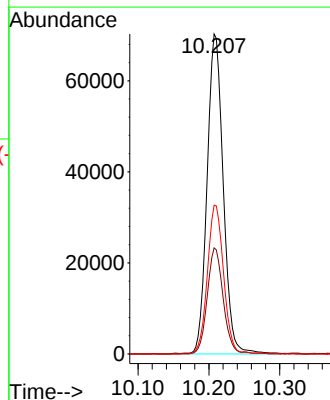
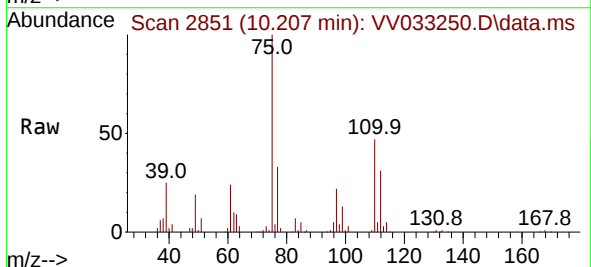
Instrument :
MSVOA_V
ClientSampleId :
YCHF6MSD

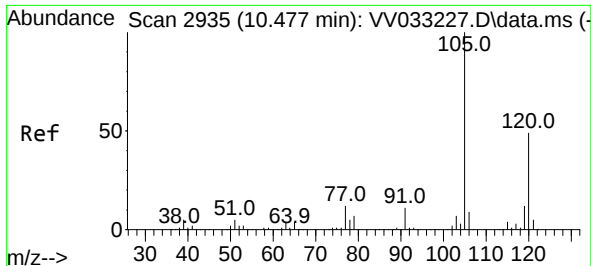
Tgt Ion:105 Resp: 423392
Ion Ratio Lower Upper
105 100
120 27.3 21.3 31.9
77 14.5 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 60.191 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

Tgt Ion: 75 Resp: 111099
Ion Ratio Lower Upper
75 100
77 32.4 27.0 40.6
110 46.2 38.1 57.1





#62

1,3,5-Trimethylbenzene

Concen: 50.016 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Instrument :

MSVOA_V

ClientSampleId :

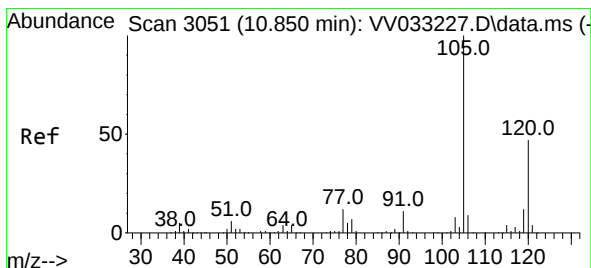
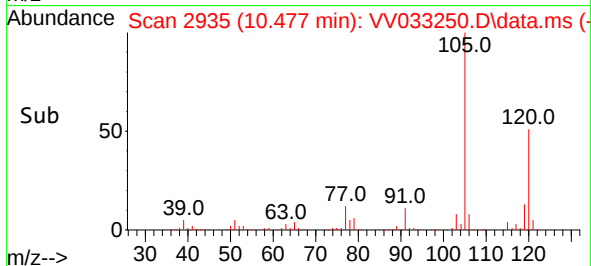
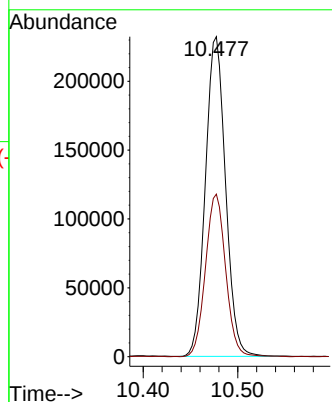
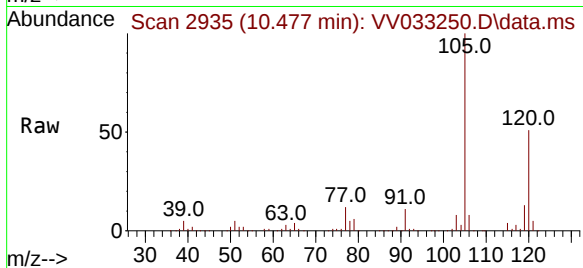
YCHF6MSD

Tgt Ion:105 Resp: 343940

Ion Ratio Lower Upper

105 100

120 50.9 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 51.662 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033250.D

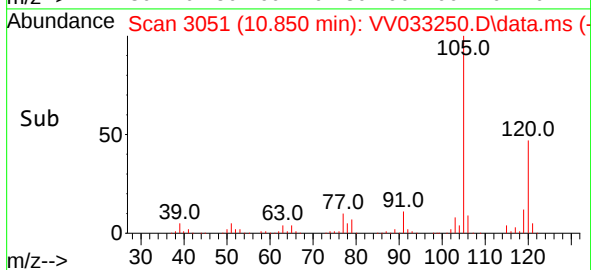
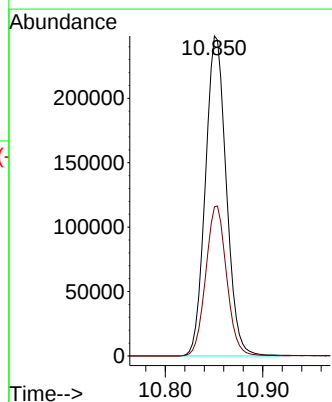
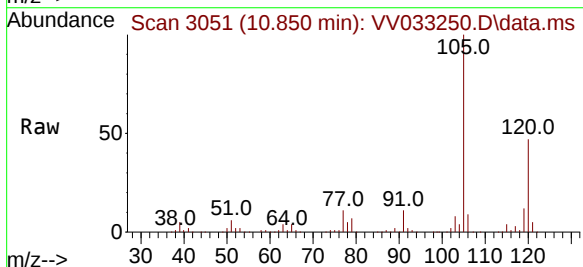
Acq: 12 Dec 2023 06:03

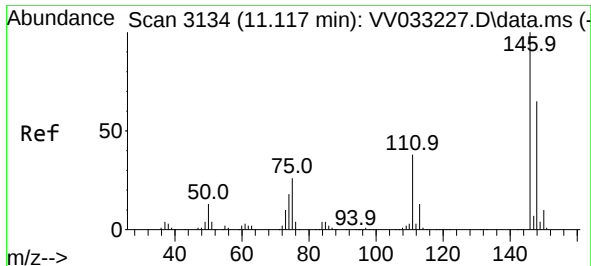
Tgt Ion:105 Resp: 369983

Ion Ratio Lower Upper

105 100

120 46.8 36.7 55.1

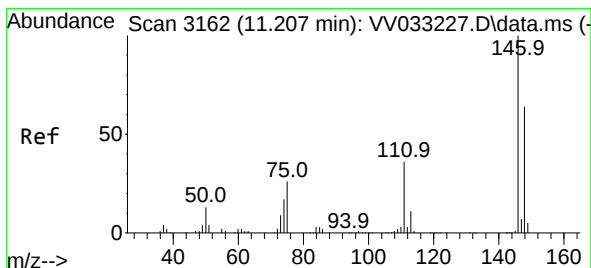
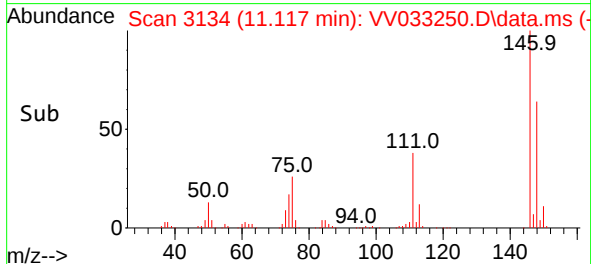
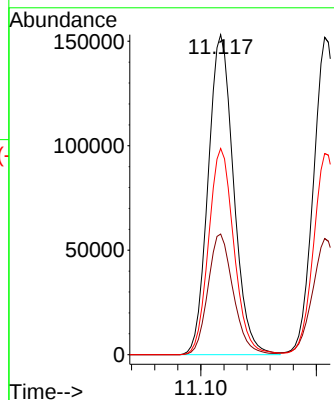
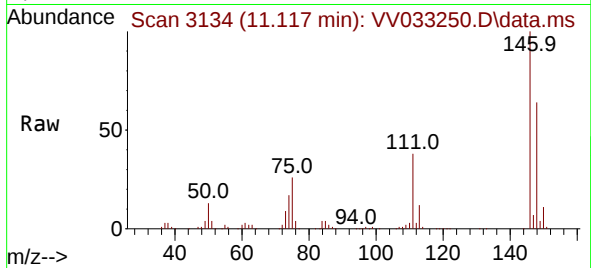




#64
1,3-Dichlorobenzene
Concen: 51.481 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

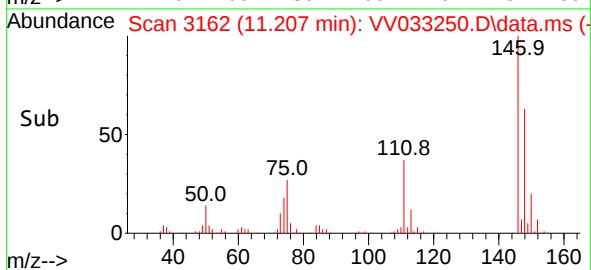
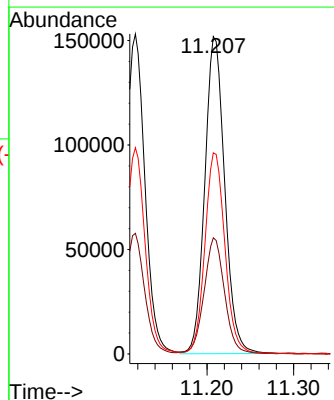
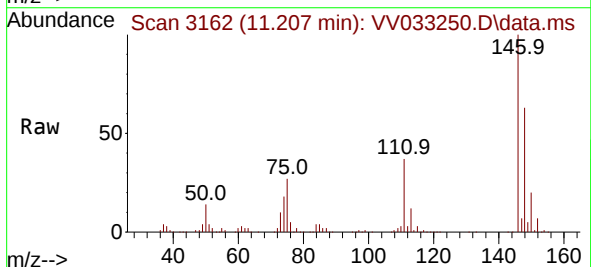
Instrument :
MSVOA_V
ClientSampleId :
YCHF6MSD

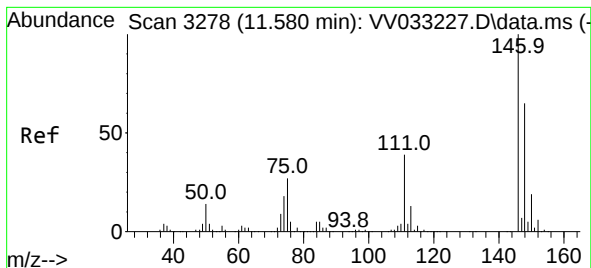
Tgt Ion:146 Resp: 234742
Ion Ratio Lower Upper
146 100
111 37.7 26.2 48.6
148 64.5 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 51.161 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV033250.D
Acq: 12 Dec 2023 06:03

Tgt Ion:146 Resp: 242327
Ion Ratio Lower Upper
146 100
111 36.6 25.9 48.1
148 63.3 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 53.908 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Instrument :

MSVOA_V

ClientSampleId :

YCHF6MSD

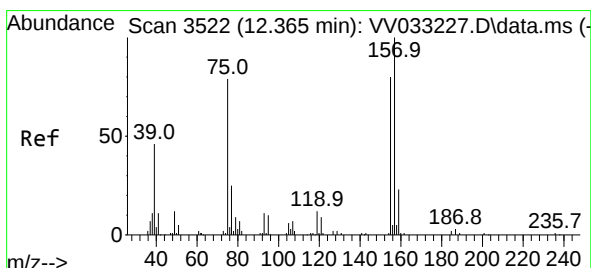
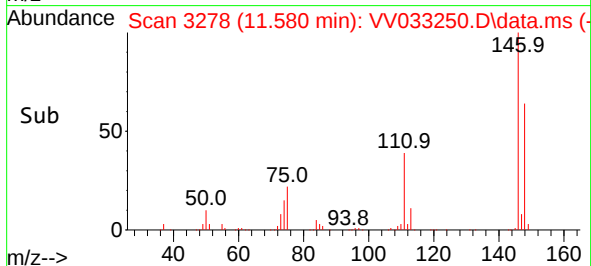
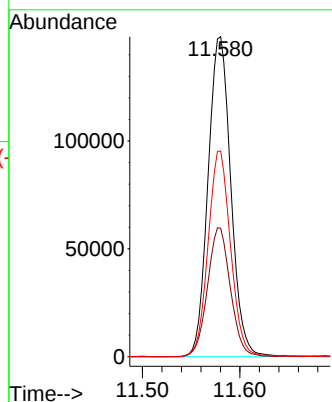
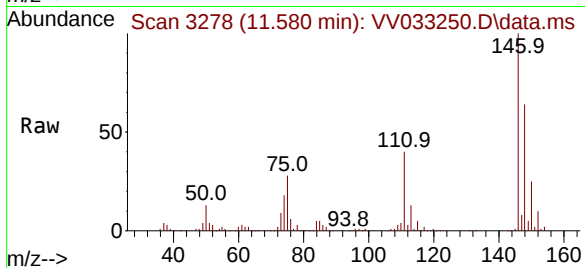
Tgt Ion:146 Resp: 240981

Ion Ratio Lower Upper

146 100

111 40.1 32.4 48.6

148 64.2 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 61.194 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

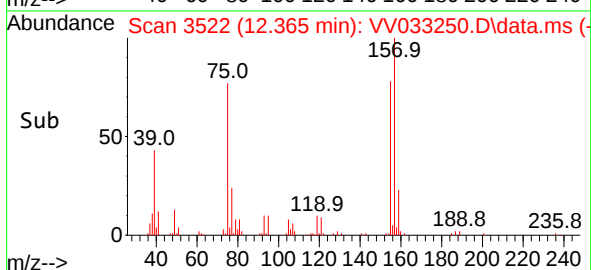
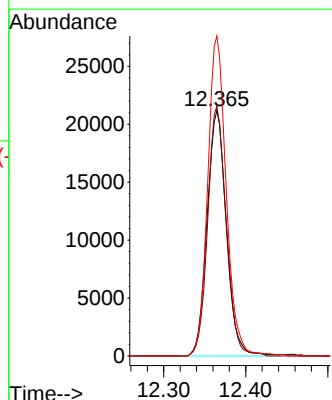
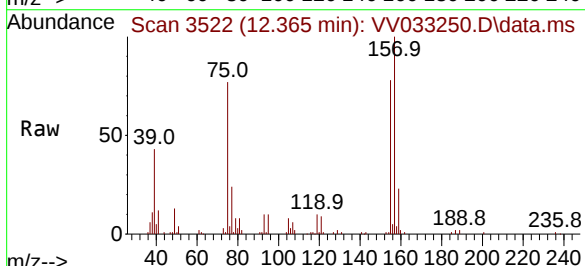
Tgt Ion: 75 Resp: 34658

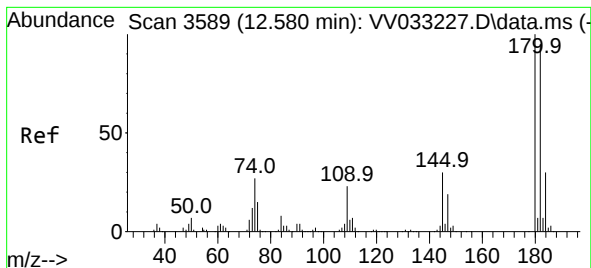
Ion Ratio Lower Upper

75 100

155 101.8 75.8 113.6

157 130.4 95.4 143.0





#69

1,3,5-Trichlorobenzene

Concen: 46.666 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Instrument :

MSVOA_V

ClientSampleId :

YCHF6MSD

Tgt Ion:180 Resp: 170444

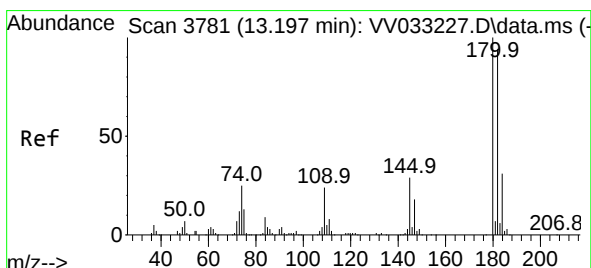
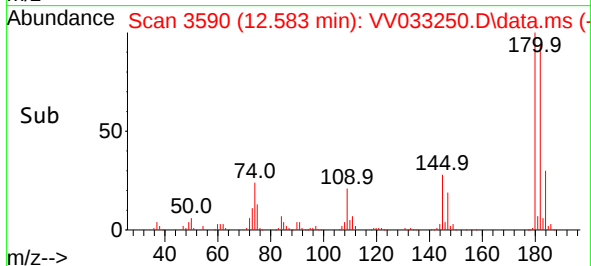
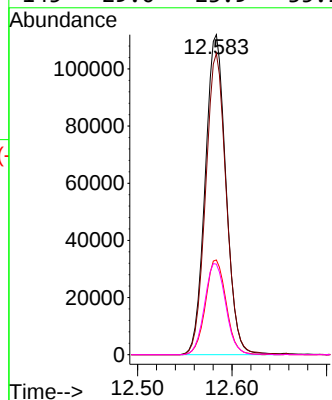
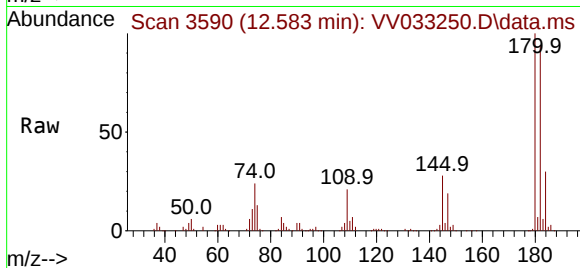
Ion Ratio Lower Upper

180 100

182 93.5 76.2 114.4

184 29.5 24.2 36.4

145 29.0 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 47.467 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

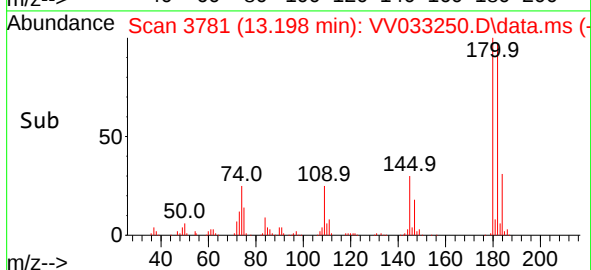
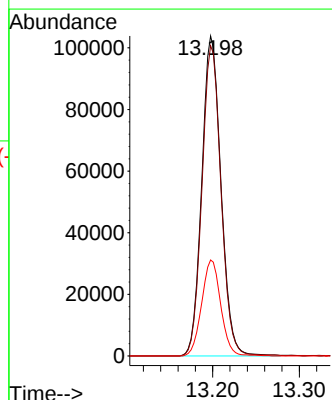
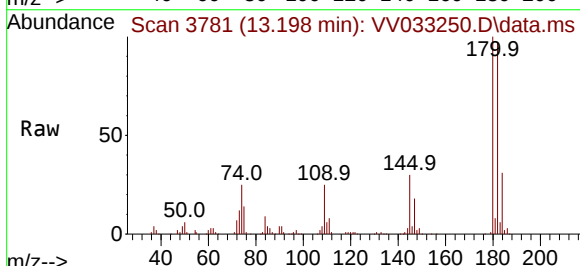
Tgt Ion:180 Resp: 160174

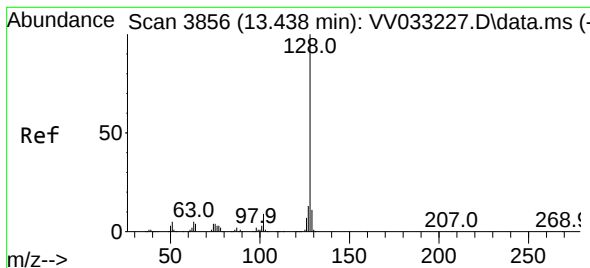
Ion Ratio Lower Upper

180 100

182 95.9 76.3 114.5

145 29.7 23.4 35.0





#71

Naphthalene

Concen: 58.871 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Instrument :

MSVOA_V

ClientSampleId :

YCHF6MSD

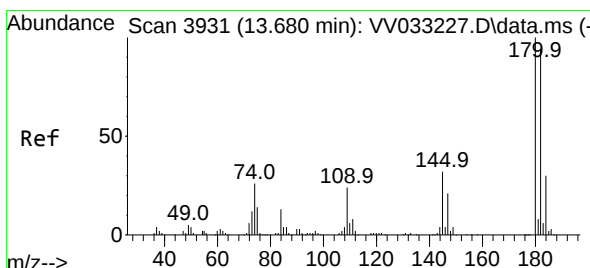
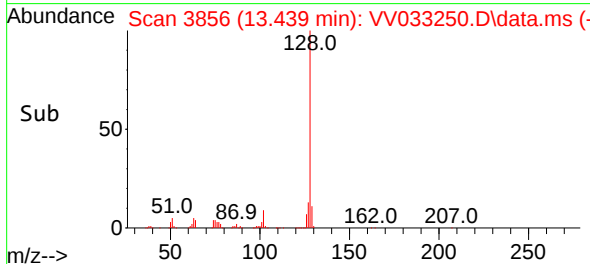
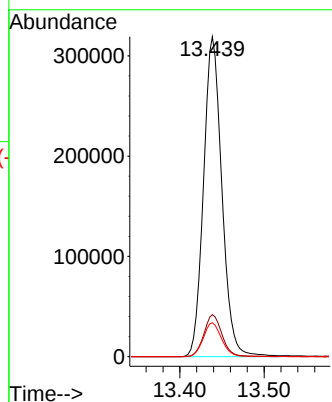
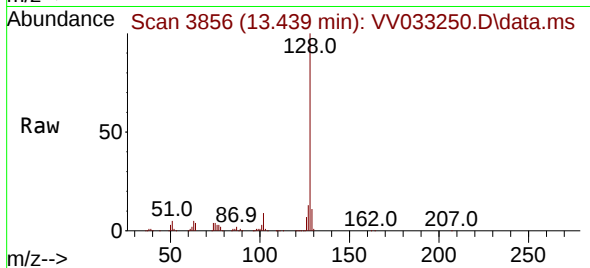
Tgt Ion:128 Resp: 484470

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 52.310 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033250.D

Acq: 12 Dec 2023 06:03

Tgt Ion:180 Resp: 170326

Ion Ratio Lower Upper

180 100

182 96.5 75.2 112.8

145 31.6 24.9 37.3

