

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121123\
 Data File : VW033225.D
 Acq On : 11 Dec 2023 20:00
 Operator : SY/MD
 Sample : 05685-14MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YCH84MS

Quant Time: Dec 12 00:43:54 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	279644	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	283843	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	175980	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	62492	37.382	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.760%
7) Chloroethane-d5	1.529	69	49750	42.712	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.420%
11) 1,1-Dichloroethene-d2	2.060	65	25930	40.773	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.540%
21) 2-Butanone-d5	3.780	46	87009	104.791	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.790%
24) Chloroform-d	4.249	84	170817	48.149	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.300%
26) 1,2-Dichloroethane-d4	4.941	65	107815	48.880	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.760%
32) Benzene-d6	4.960	84	305173	45.971	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.940%
36) 1,2-Dichloropropane-d6	5.989	67	82277	46.096	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.200%
41) Toluene-d8	7.243	98	292518	46.192	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.380%
43) trans-1,3-Dichloroprop...	7.551	79	50614	44.843	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.680%
47) 2-Hexanone-d5	8.024	63	77427	107.978	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.980%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	137078	54.024	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.040%
66) 1,2-Dichlorobenzene-d4	11.561	152	148747	47.506	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	144284	47.203	ug/L	99
3) Chloromethane	1.214	50	96862	48.046	ug/L	100
5) Vinyl chloride	1.282	62	93930	48.581	ug/L	99
6) Bromomethane	1.484	94	64015	50.739	ug/L	98
8) Chloroethane	1.548	64	52457	50.960	ug/L	97
9) Trichlorofluoromethane	1.712	101	170810	53.538	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	80531	53.752	ug/L	99
12) 1,1-Dichloroethene	2.069	96	76404	54.497	ug/L	94
13) Acetone	2.108	43	58463	73.756	ug/L	99
14) Carbon disulfide	2.240	76	228397	45.407	ug/L	99
15) Methyl Acetate	2.368	43	62393	47.227	ug/L	91
16) Methylene chloride	2.445	84	94077	50.675	ug/L	91
17) trans-1,2-Dichloroethene	2.693	96	91687	49.809	ug/L	97
18) Methyl tert-butyl Ether	2.699	73	290062	51.872	ug/L	99
19) 1,1-Dichloroethane	3.111	63	153404	50.352	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	102072	52.259	ug/L	98
22) 2-Butanone	3.860	43	91175	90.385	ug/L	100
23) Bromochloromethane	4.146	128	56731	50.584	ug/L	96
25) Chloroform	4.275	83	186716	53.288	ug/L	99

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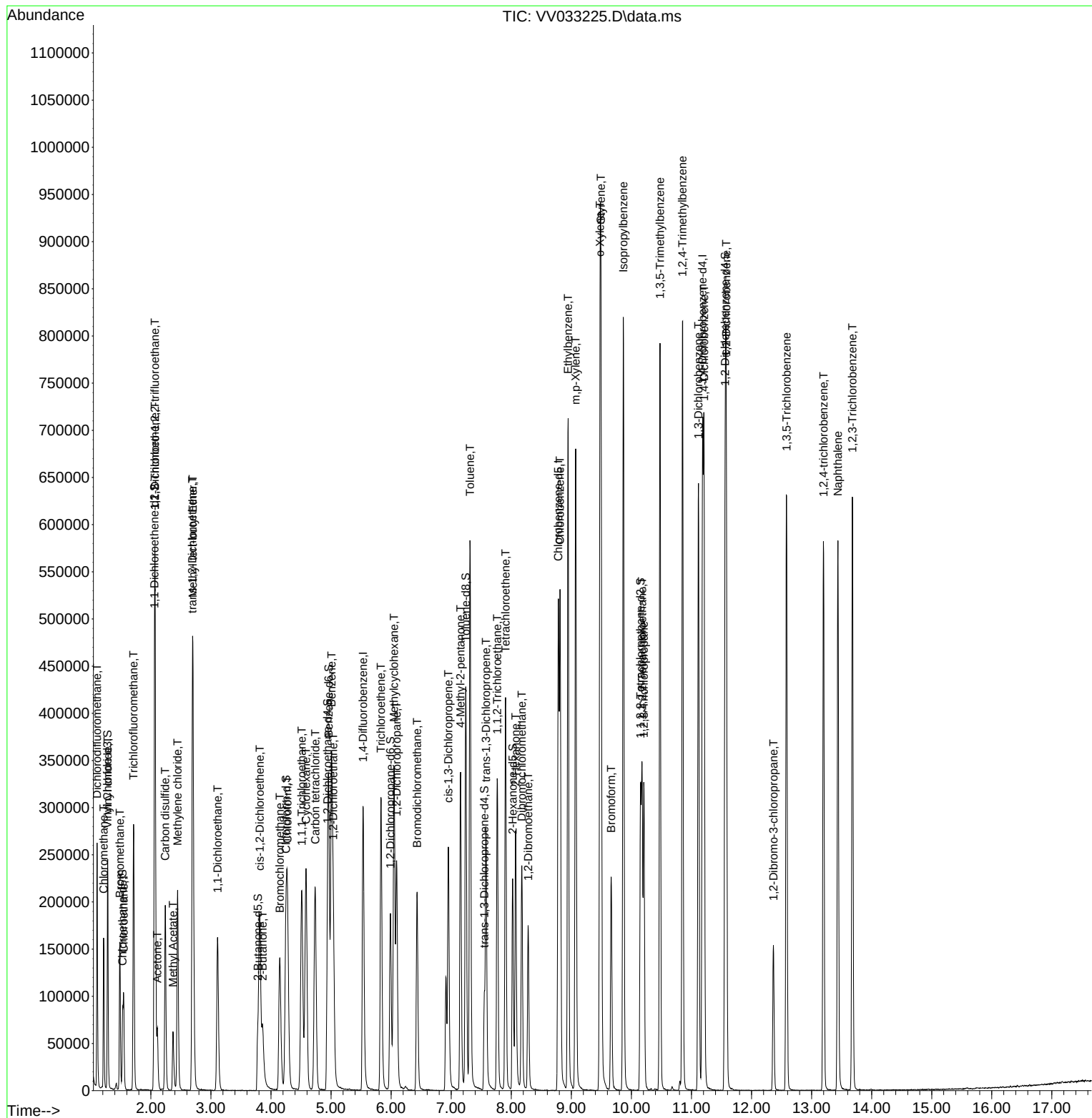
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	146898	53.054	ug/L	98
29) Cyclohexane	4.584	56	121987	46.530	ug/L	96
30) 1,1,1-Trichloroethane	4.513	97	183787	52.392	ug/L	98
31) Carbon tetrachloride	4.738	117	171603	52.611	ug/L	99
33) Benzene	5.008	78	371705	51.677	ug/L	100
34) Trichloroethene	5.831	95	103749	48.281	ug/L	97
35) Methylcyclohexane	6.050	83	153023	49.066	ug/L	98
37) 1,2-Dichloropropane	6.092	63	85522	51.375	ug/L	100
38) Bromodichloromethane	6.432	83	142404	53.063	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	154219	51.056	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	193132	109.271	ug/L	98
42) Toluene	7.313	91	430679	53.135	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	157159	51.453	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	102427	53.068	ug/L	99
46) Tetrachloroethene	7.905	164	95208	51.540	ug/L	96
48) 2-Hexanone	8.072	43	153259	104.585	ug/L	99
49) Dibromochloromethane	8.175	129	123986	53.811	ug/L	100
50) 1,2-Dibromoethane	8.281	107	109990	53.451	ug/L	98
51) Chlorobenzene	8.812	112	292292	51.281	ug/L	100
52) Ethylbenzene	8.947	91	486506	52.147	ug/L	99
53) m,p-Xylene	9.072	106	195152	52.820	ug/L	92
54) o-Xylene	9.477	106	189928	52.095	ug/L	100
55) Styrene	9.493	104	340356	53.966	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	146543	55.571	ug/L	97
59) Bromoform	9.664	173	102023	53.416	ug/L	99
60) Isopropylbenzene	9.866	105	523415	51.584	ug/L	98
61) 1,2,3-Trichloropropane	10.207	75	117185	53.403	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	414350	50.684	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	438176	51.465	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	271513	50.086	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	275923	49.000	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	271477	51.083	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	36371	54.018	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	203892	46.956	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	183041	45.627	ug/L	98
71) Naphthalene	13.439	128	481278	49.193	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	192548	49.741	ug/L	99

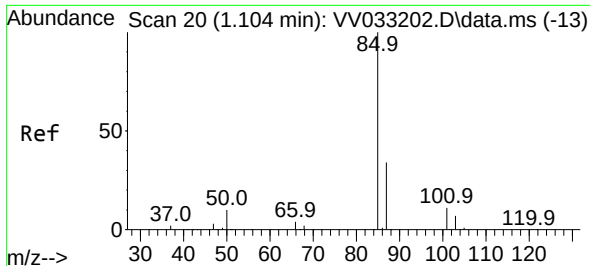
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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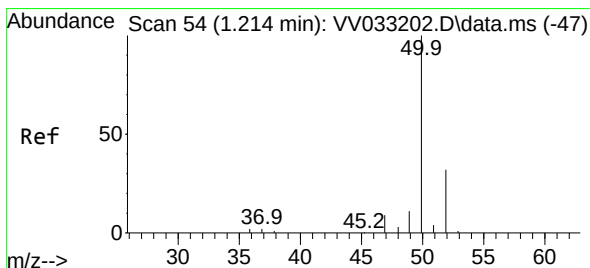
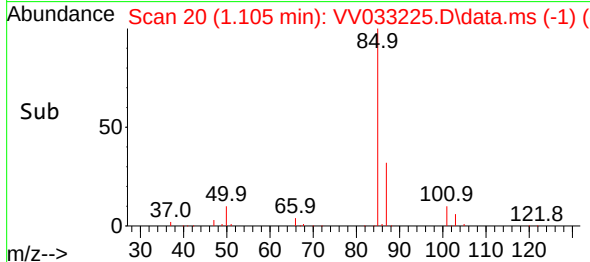
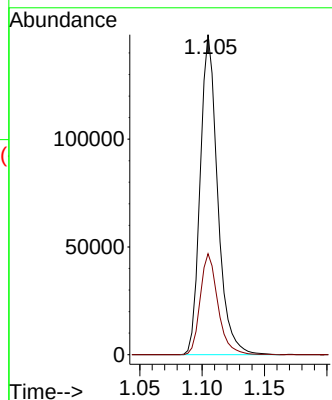
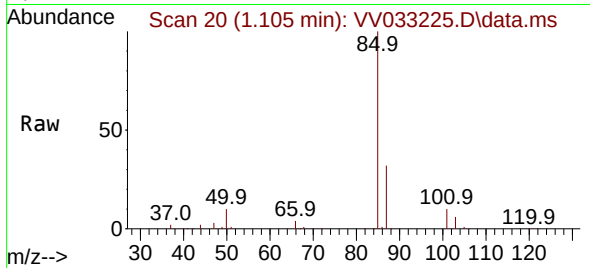




#2
Dichlorodifluoromethane
Concen: 47.203 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

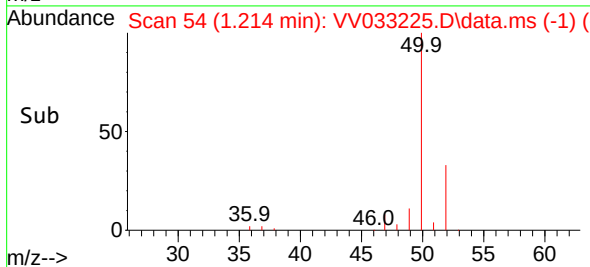
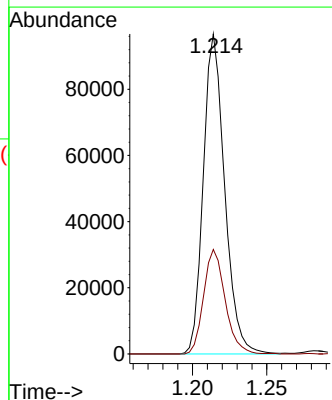
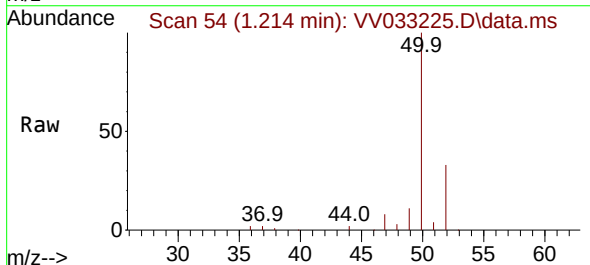
Instrument :
MSVOA_V
ClientSampleId :
YCH84MS

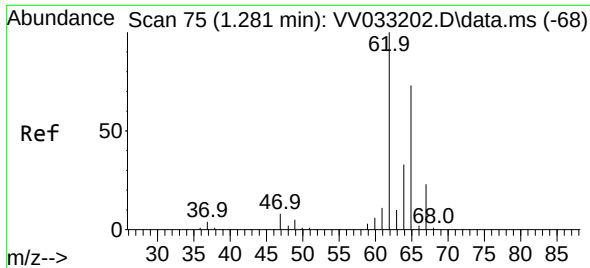
Tgt Ion: 85 Resp: 144284
Ion Ratio Lower Upper
85 100
87 31.9 26.0 39.0



#3
Chloromethane
Concen: 48.046 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

Tgt Ion: 50 Resp: 96862
Ion Ratio Lower Upper
50 100
52 32.6 22.8 42.4

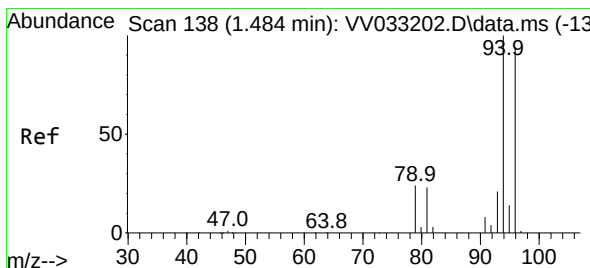
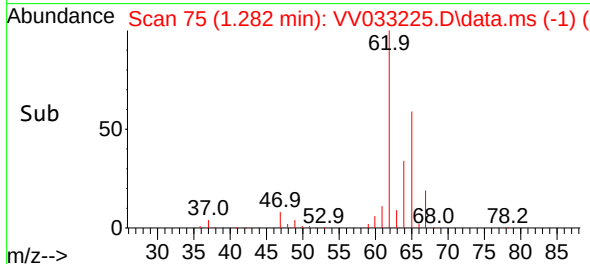
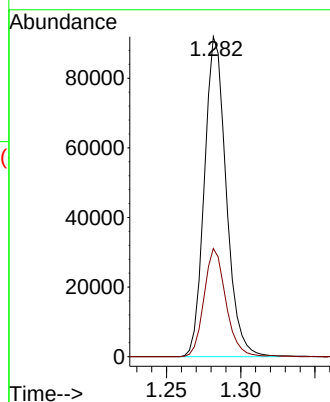
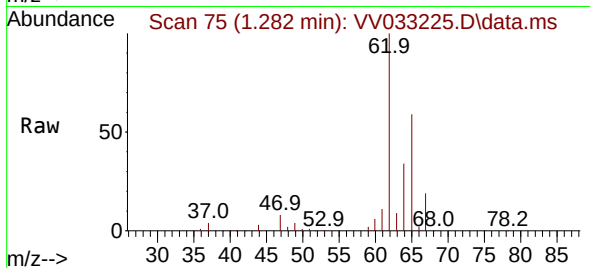




#5
 Vinyl chloride
 Concen: 48.581 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. -0.003 min
 Lab File: VV033225.D
 Acq: 11 Dec 2023 20:00

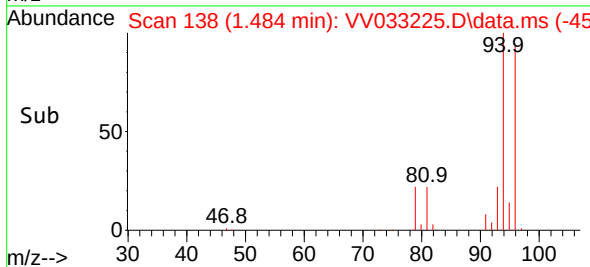
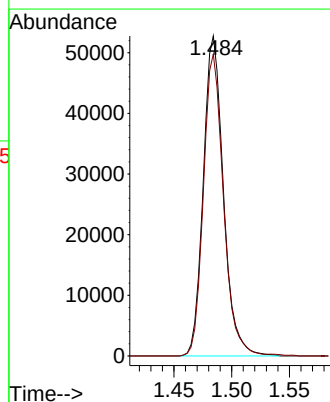
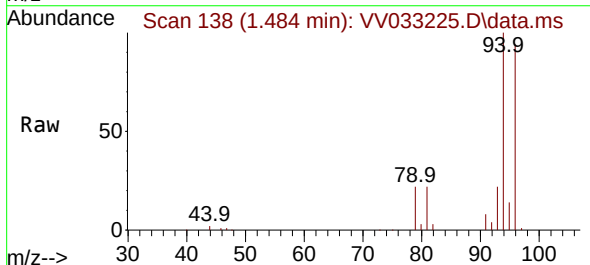
Instrument :
 MSVOA_V
 ClientSampleId :
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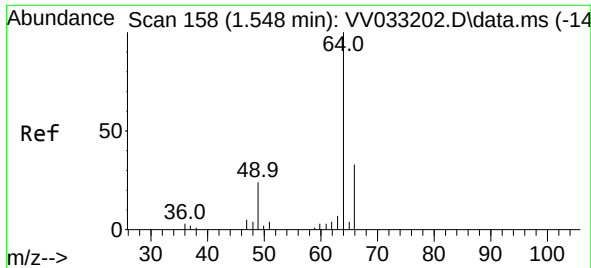
Tgt Ion: 62 Resp: 93930
 Ion Ratio Lower Upper
 62 100
 64 33.8 24.2 45.0



#6
 Bromomethane
 Concen: 50.739 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV033225.D
 Acq: 11 Dec 2023 20:00

Tgt Ion: 94 Resp: 64015
 Ion Ratio Lower Upper
 94 100
 96 94.4 67.1 124.7

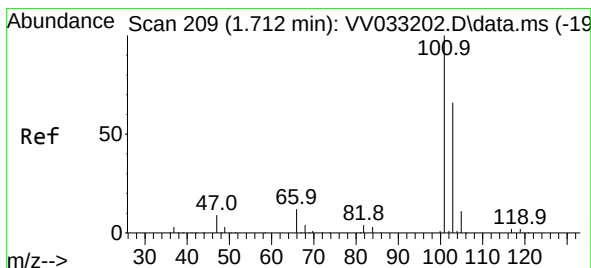
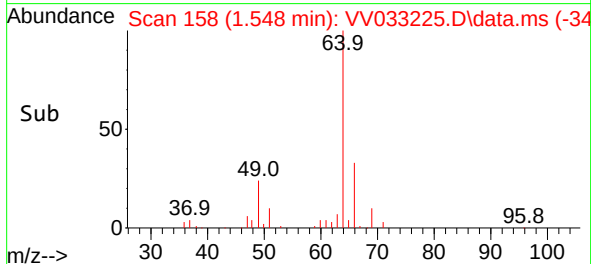
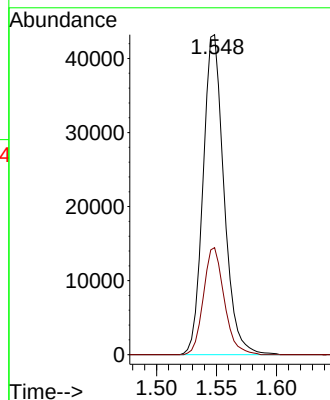
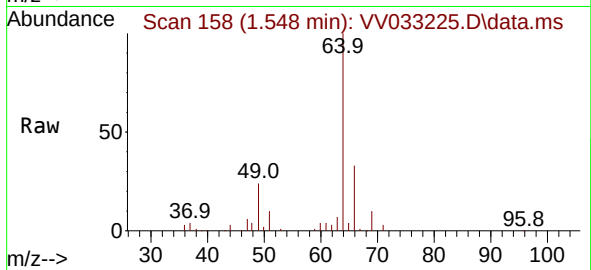




#8
Chloroethane
Concen: 50.960 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

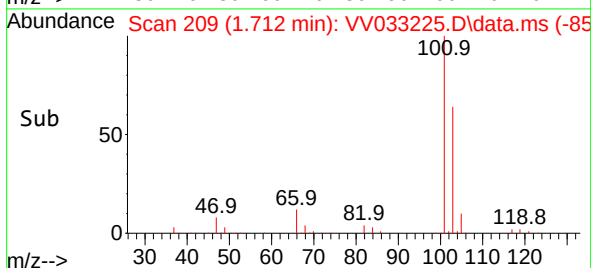
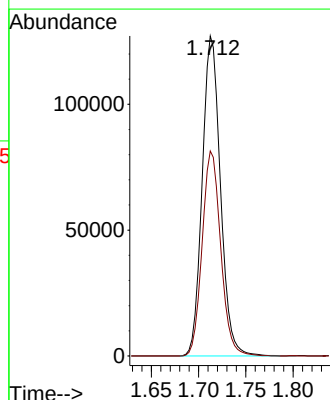
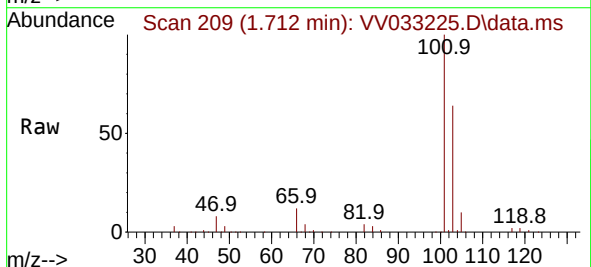
Instrument :
MSVOA_V
ClientSampleId :
YCH84MS

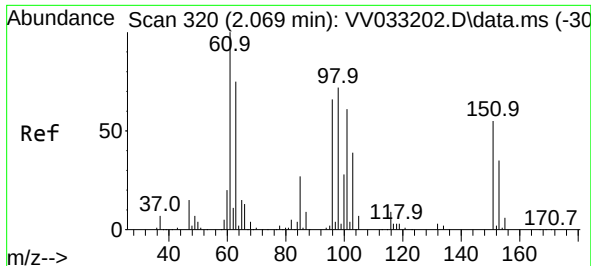
Tgt Ion: 64 Resp: 52457
Ion Ratio Lower Upper
64 100
66 33.5 22.3 41.5



#9
Trichlorofluoromethane
Concen: 53.538 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

Tgt Ion:101 Resp: 170810
Ion Ratio Lower Upper
101 100
103 64.9 51.3 76.9





#10

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

Concen: 53.752 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

Instrument :

MSVOA_V

ClientSampleId :

YCH84MS

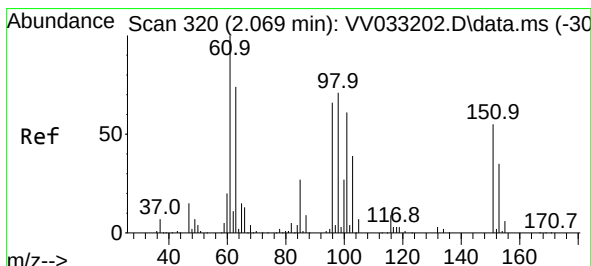
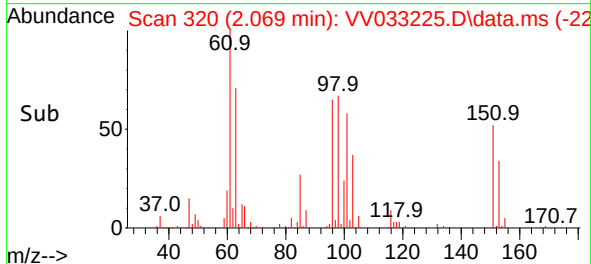
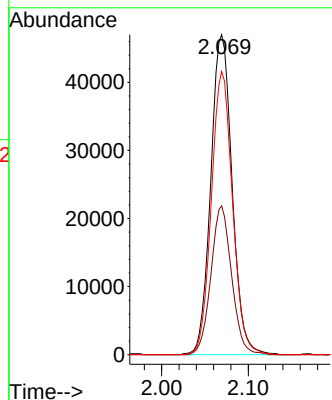
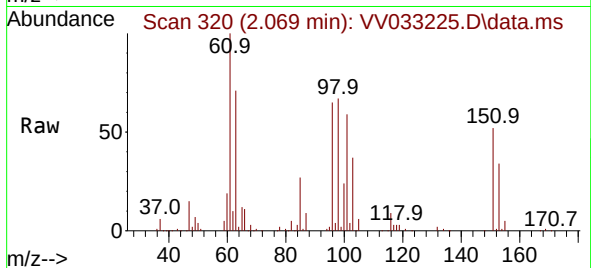
Tgt Ion:101 Resp: 80531

Ion Ratio Lower Upper

101 100

85 45.0 36.0 54.0

151 87.7 69.1 103.7



#12

1,1-Dichloroethene

Concen: 54.497 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

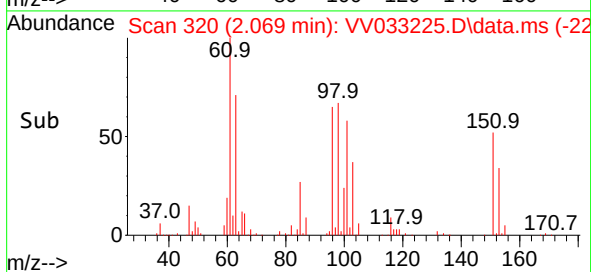
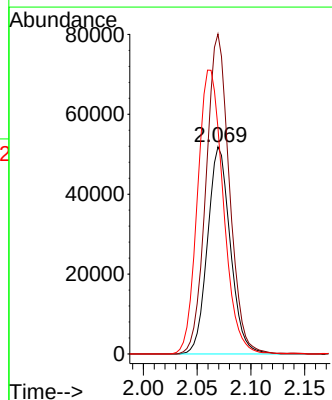
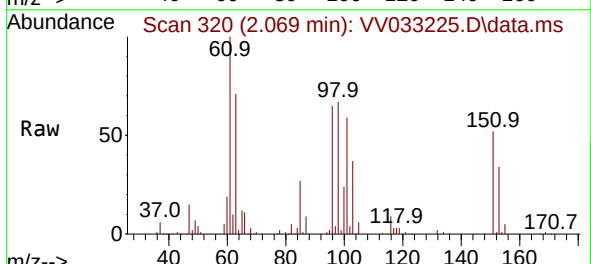
Tgt Ion: 96 Resp: 76404

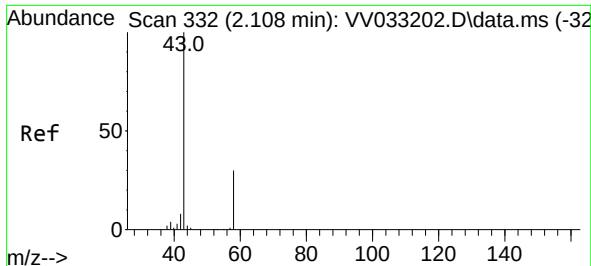
Ion Ratio Lower Upper

96 100

61 154.4 109.1 202.7

63 109.1 85.3 158.3





#13

Acetone

Concen: 73.756 ug/L

RT: 2.108 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

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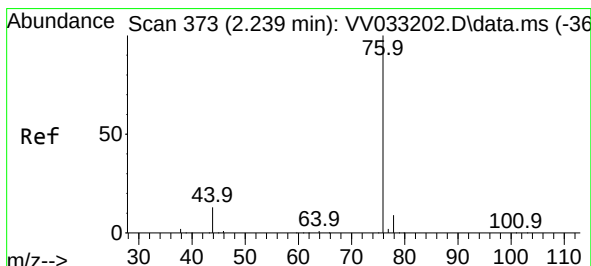
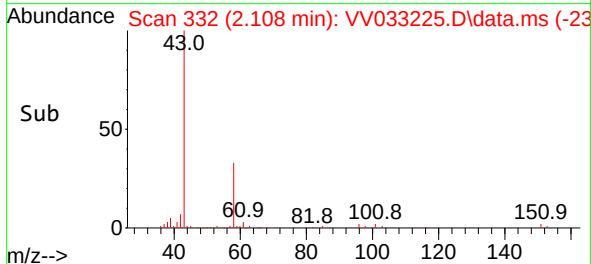
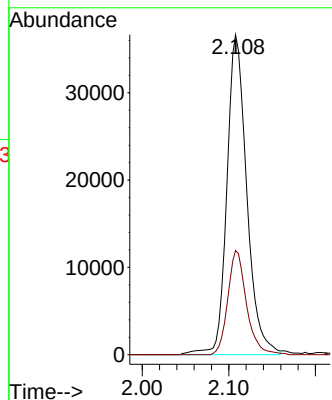
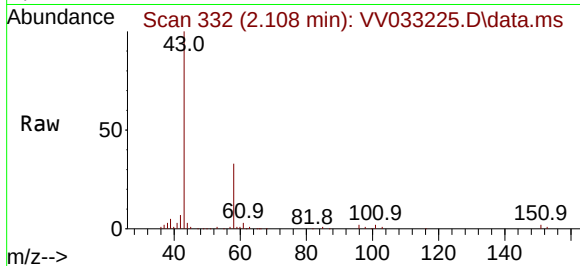
YCH84MS

Tgt Ion: 43 Resp: 58463

Ion Ratio Lower Upper

43 100

58 30.6 0.0 62.8



#14

Carbon disulfide

Concen: 45.407 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV033225.D

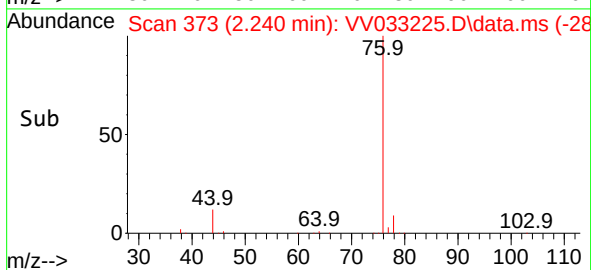
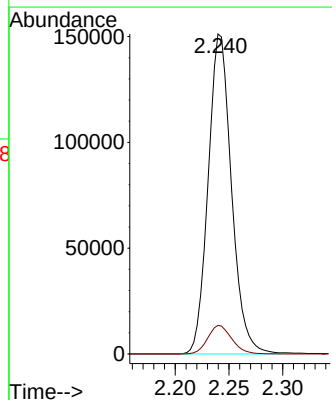
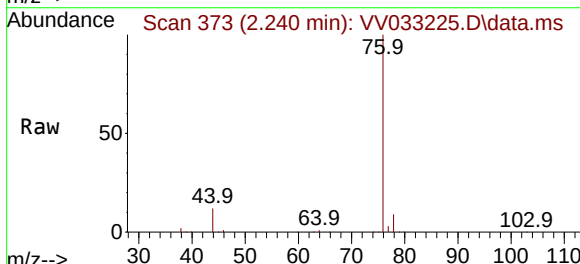
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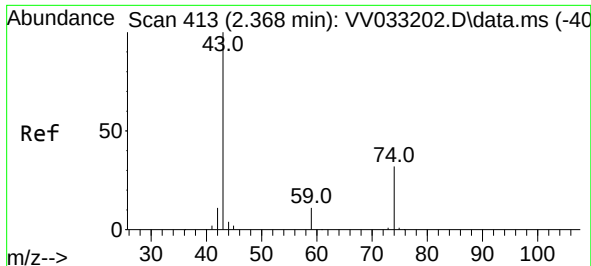
Tgt Ion: 76 Resp: 228397

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methyl Acetate

Concen: 47.227 ug/L

RT: 2.368 min Scan# 413

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

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ClientSampleId :

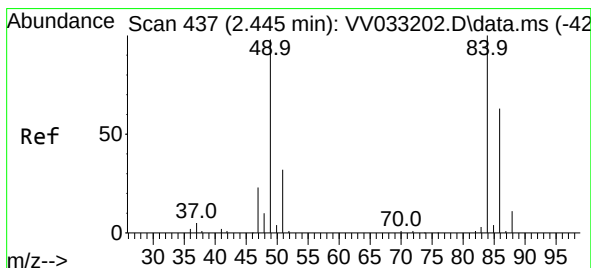
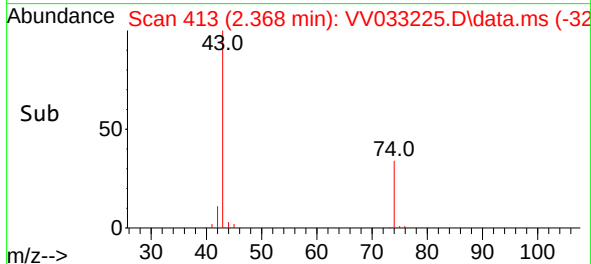
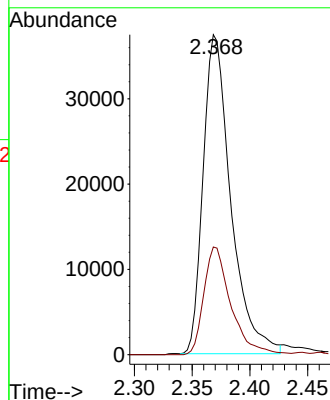
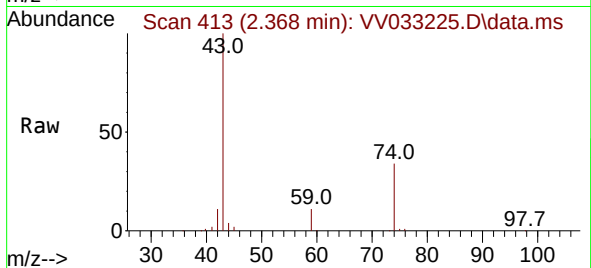
YCH84MS

Tgt Ion: 43 Resp: 62393

Ion Ratio Lower Upper

43 100

74 32.9 22.6 33.8



#16

Methylene chloride

Concen: 50.675 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

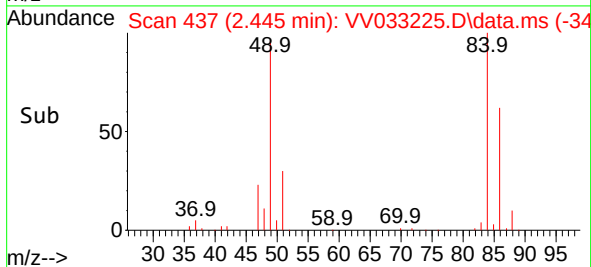
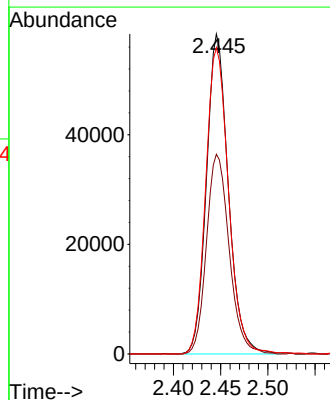
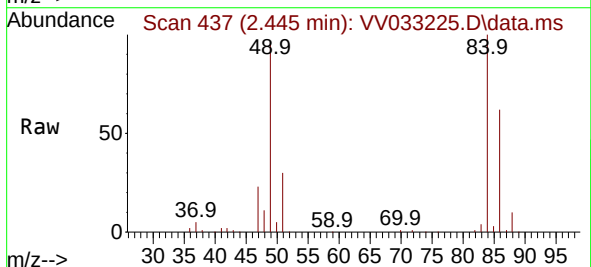
Tgt Ion: 84 Resp: 94077

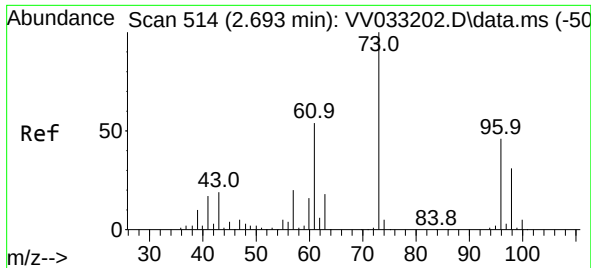
Ion Ratio Lower Upper

84 100

86 62.4 45.9 85.3

49 95.7 75.5 140.1

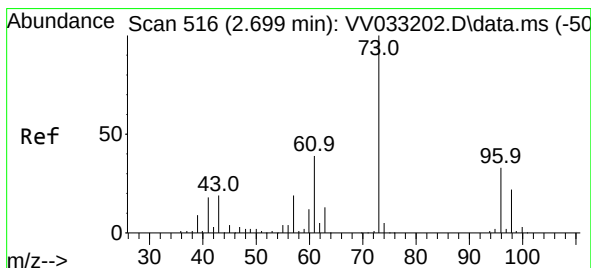
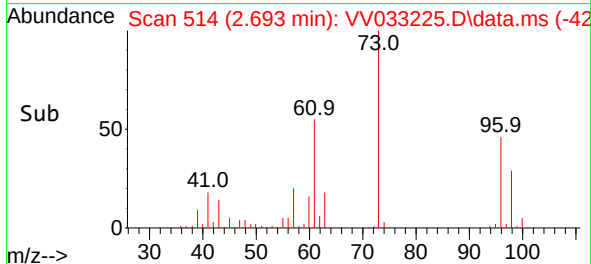
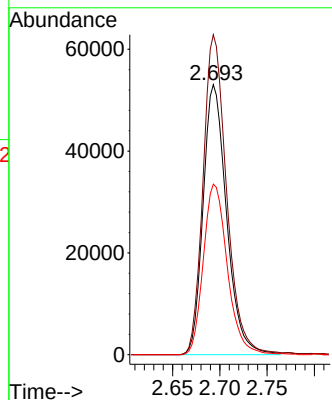
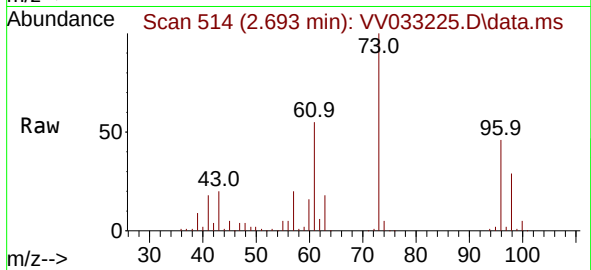




#17
trans-1,2-Dichloroethene
Concen: 49.809 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

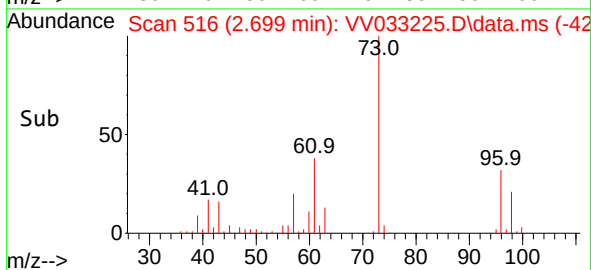
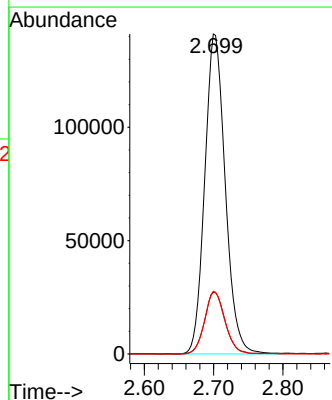
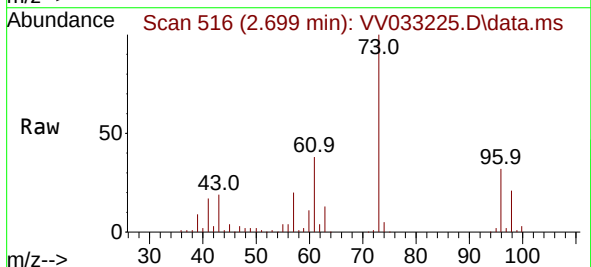
Instrument :
MSVOA_V
ClientSampleId :
YCH84MS

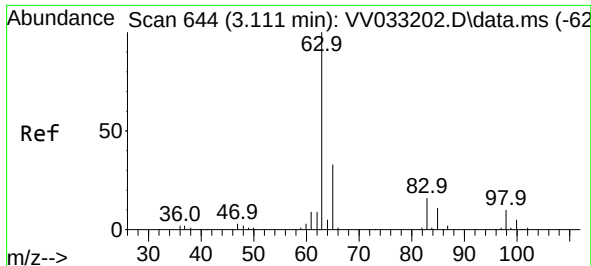
Tgt Ion: 96 Resp: 91687
Ion Ratio Lower Upper
96 100
61 118.5 86.5 160.6
98 63.2 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 51.872 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

Tgt Ion: 73 Resp: 290062
Ion Ratio Lower Upper
73 100
43 19.3 15.4 23.2
57 19.4 16.1 24.1





#19

1,1-Dichloroethane

Concen: 50.352 ug/L

RT: 3.111 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

Instrument :

MSVOA_V

ClientSampleId :

YCH84MS

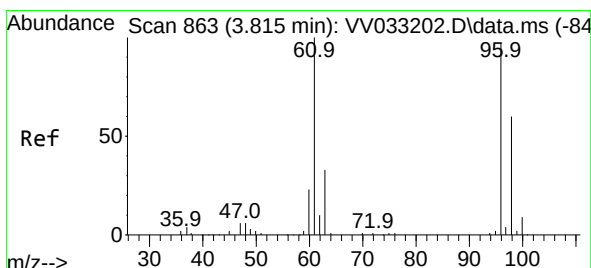
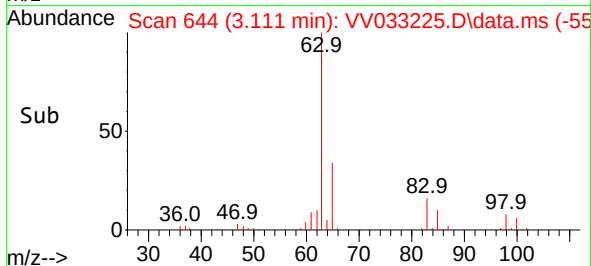
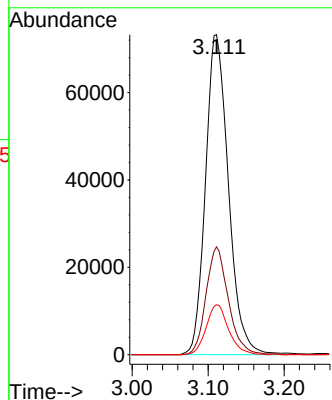
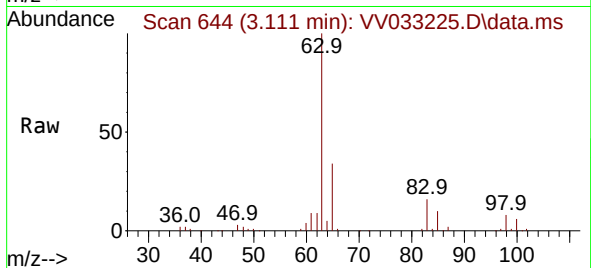
Tgt Ion: 63 Resp: 153404

Ion Ratio Lower Upper

63 100

65 33.7 23.0 42.6

83 15.6 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 52.259 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

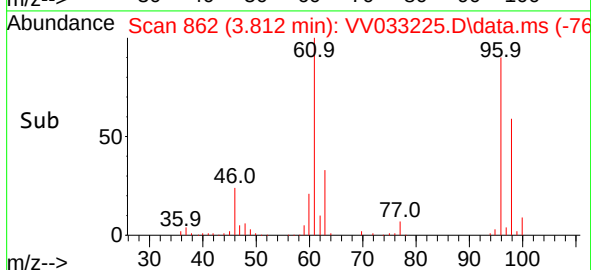
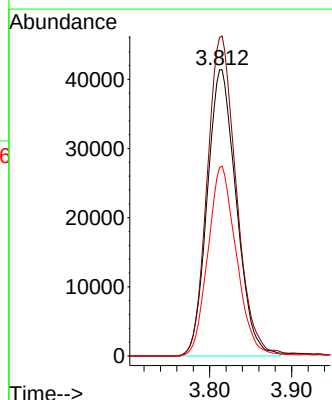
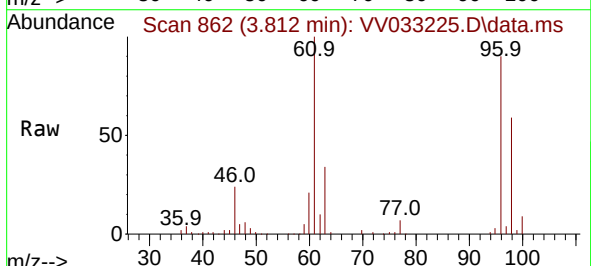
Tgt Ion: 96 Resp: 102072

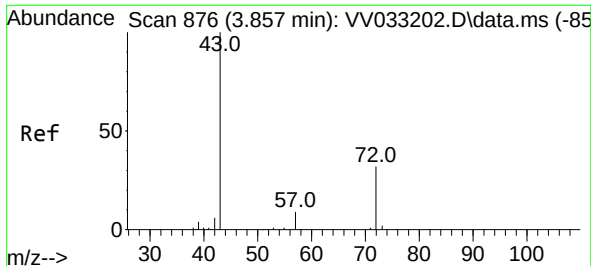
Ion Ratio Lower Upper

96 100

61 111.3 79.1 146.9

98 65.8 45.1 83.7

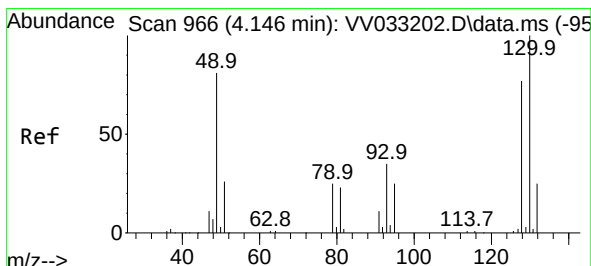
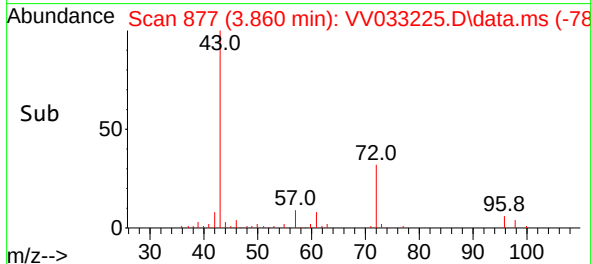
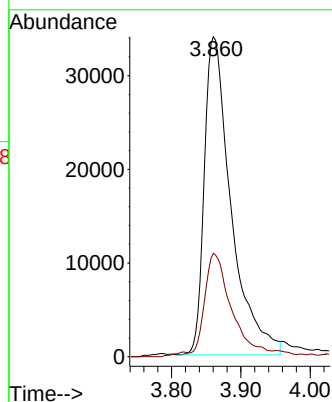
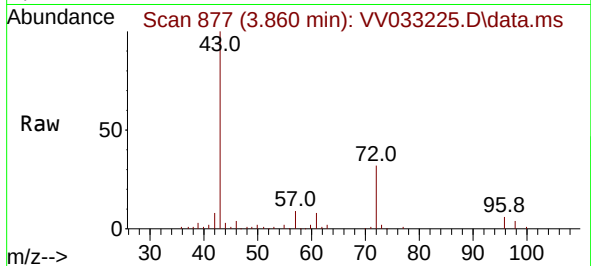




#22
2-Butanone
Concen: 90.385 ug/L
RT: 3.860 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

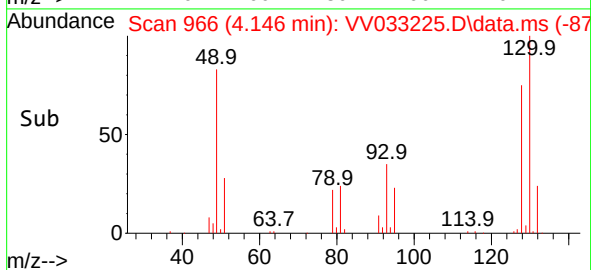
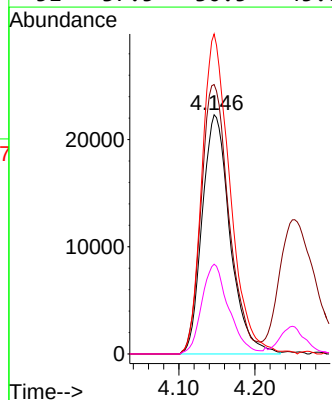
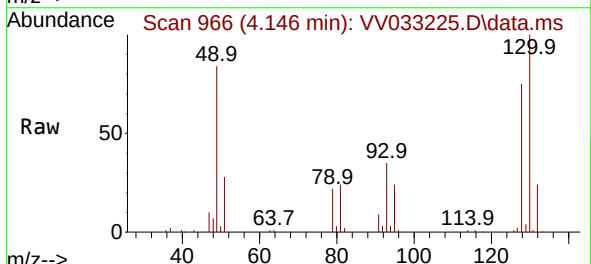
Instrument :
MSVOA_V
ClientSampleId :
YCH84MS

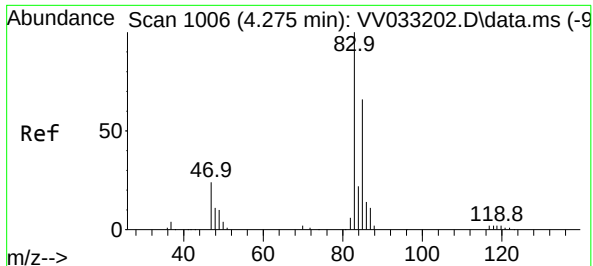
Tgt Ion: 43 Resp: 91175
Ion Ratio Lower Upper
43 100
72 29.1 14.6 43.8



#23
Bromochloromethane
Concen: 50.584 ug/L
RT: 4.146 min Scan# 966
Delta R.T. 0.003 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

Tgt Ion: 128 Resp: 56731
Ion Ratio Lower Upper
128 100
49 112.7 81.7 151.7
130 133.8 90.1 167.3
51 37.5 30.5 45.7





#25

Chloroform

Concen: 53.288 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.003 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

Instrument :

MSVOA_V

ClientSampleId :

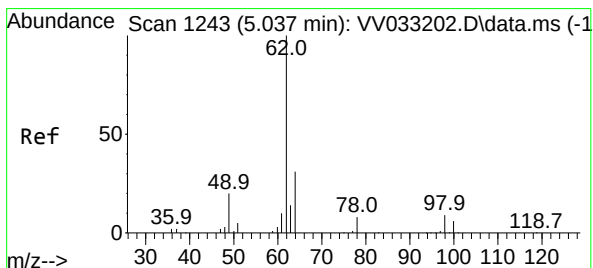
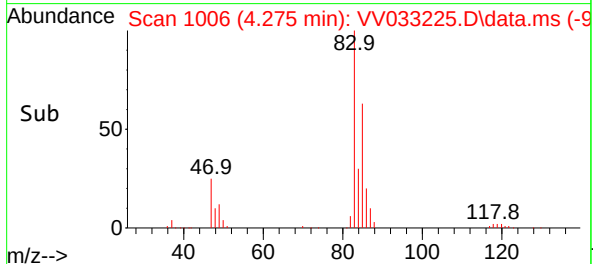
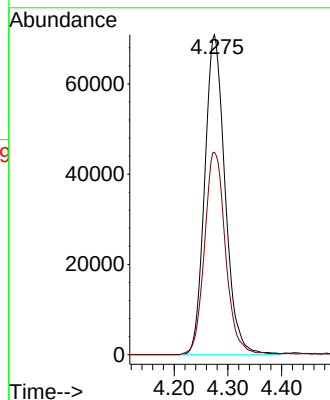
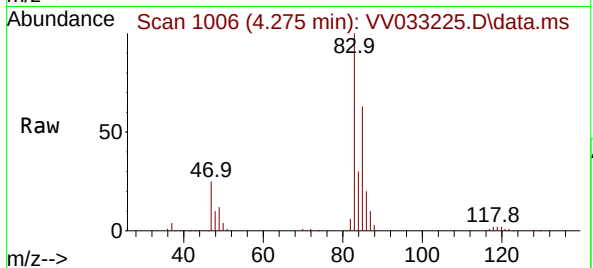
YCH84MS

Tgt Ion: 83 Resp: 186716

Ion Ratio Lower Upper

83 100

85 63.2 43.5 80.7



#27

1,2-Dichloroethane

Concen: 53.054 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV033225.D

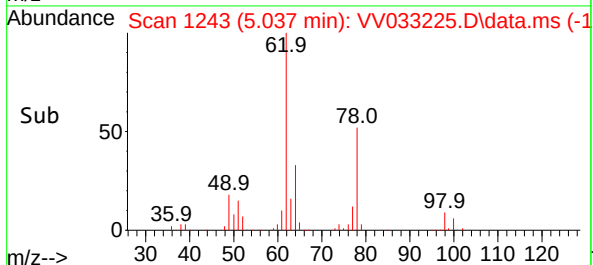
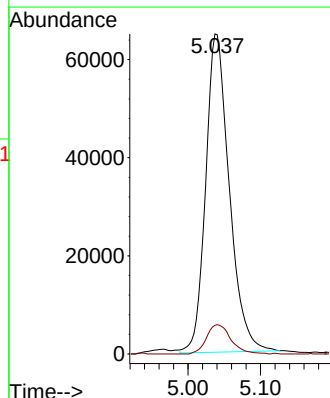
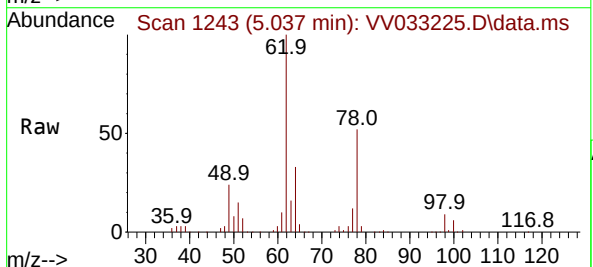
Acq: 11 Dec 2023 20:00

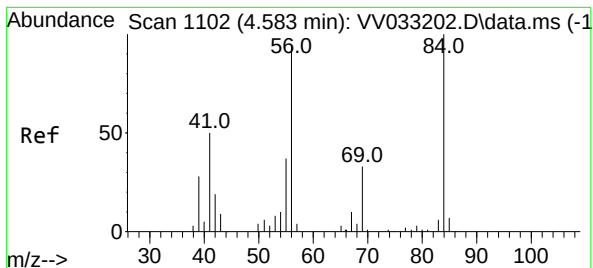
Tgt Ion: 62 Resp: 146898

Ion Ratio Lower Upper

62 100

98 8.9 7.8 11.8





#29

Cyclohexane

Concen: 46.530 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

Instrument :

MSVOA_V

ClientSampleId :

YCH84MS

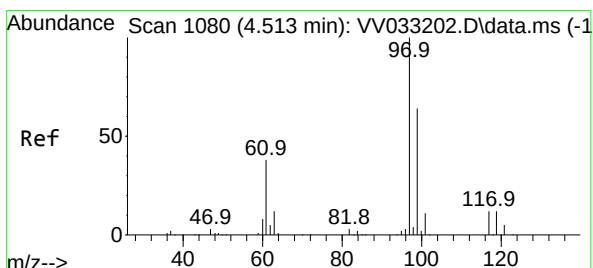
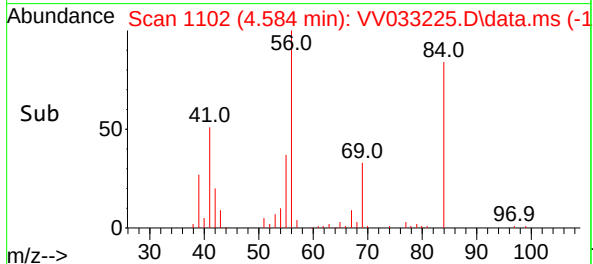
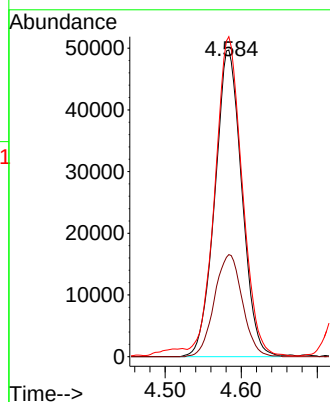
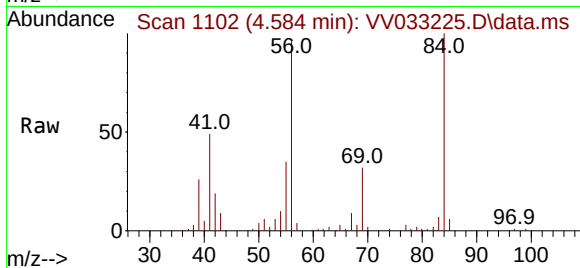
Tgt Ion: 56 Resp: 121987

Ion Ratio Lower Upper

56 100

69 34.5 26.9 40.3

84 105.4 80.6 121.0



#30

1,1,1-Trichloroethane

Concen: 52.392 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

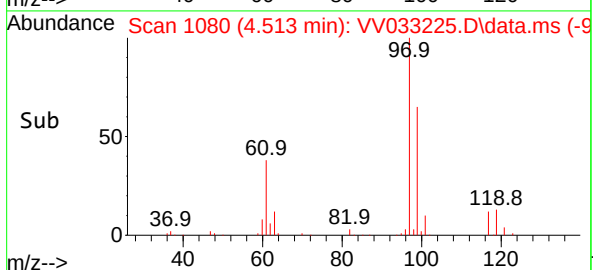
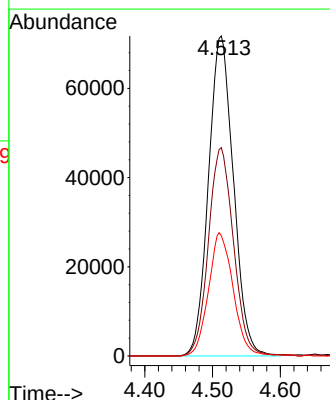
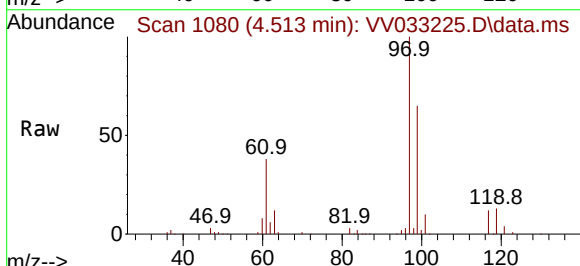
Tgt Ion: 97 Resp: 183787

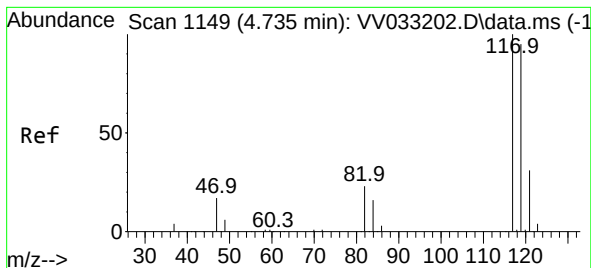
Ion Ratio Lower Upper

97 100

99 65.2 51.3 76.9

61 37.8 31.8 47.8





#31

Carbon tetrachloride

Concen: 52.611 ug/L

RT: 4.738 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

Instrument :

MSVOA_V

ClientSampleId :

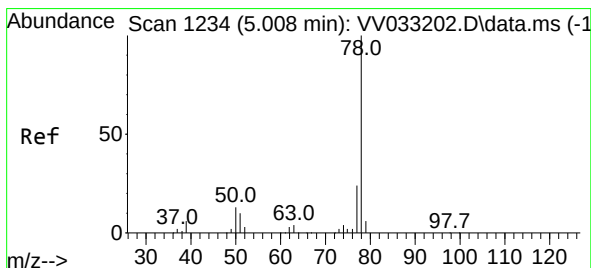
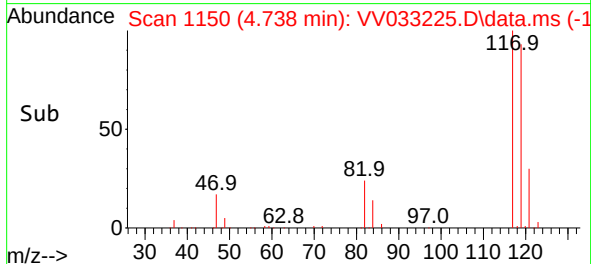
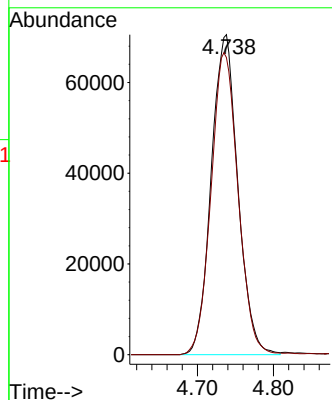
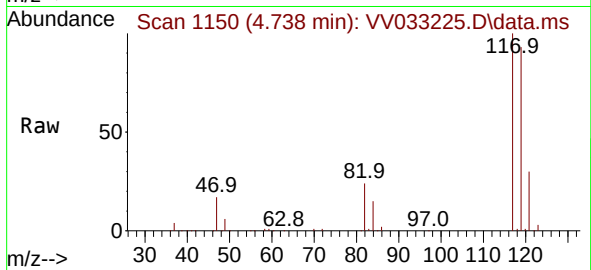
YCH84MS

Tgt Ion:117 Resp: 171603

Ion Ratio Lower Upper

117 100

119 95.8 77.5 116.3



#33

Benzene

Concen: 51.677 ug/L

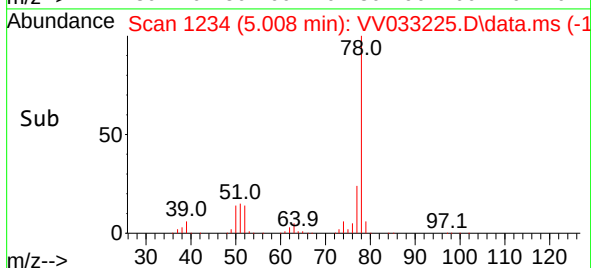
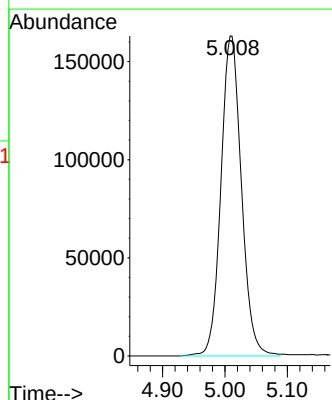
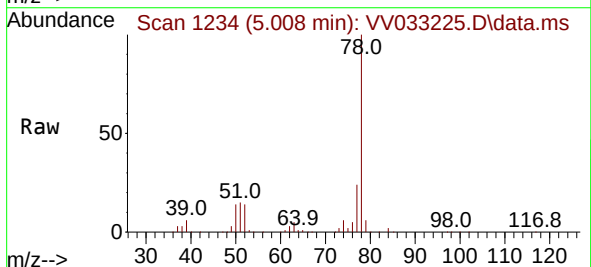
RT: 5.008 min Scan# 1234

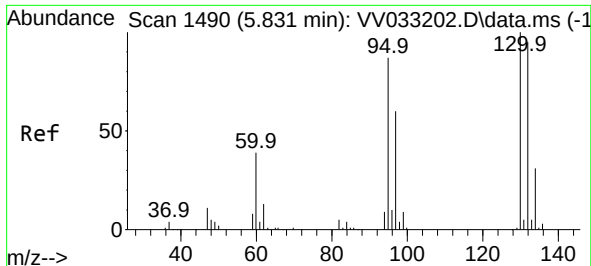
Delta R.T. 0.003 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

Tgt Ion: 78 Resp: 371705

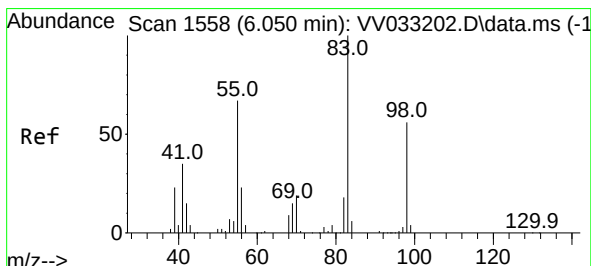
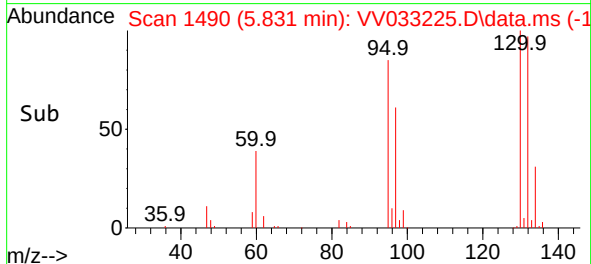
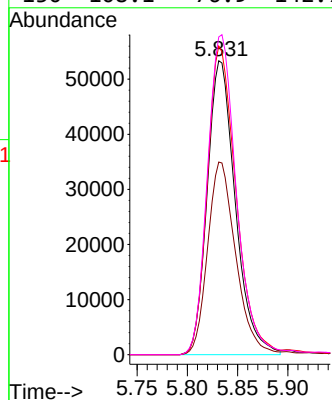
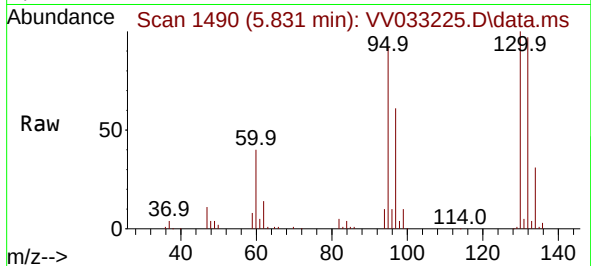




#34
Trichloroethene
Concen: 48.281 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

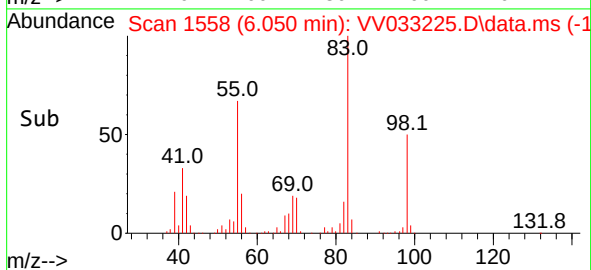
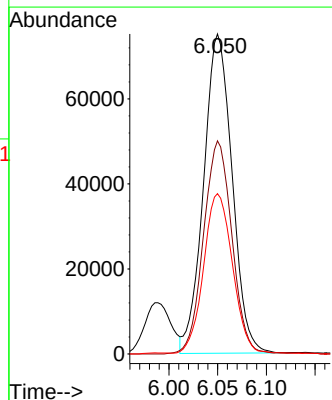
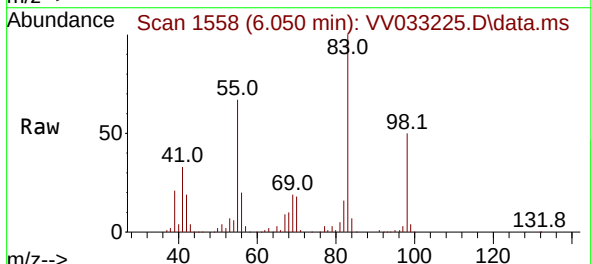
Instrument :
MSVOA_V
ClientSampleId :
YCH84MS

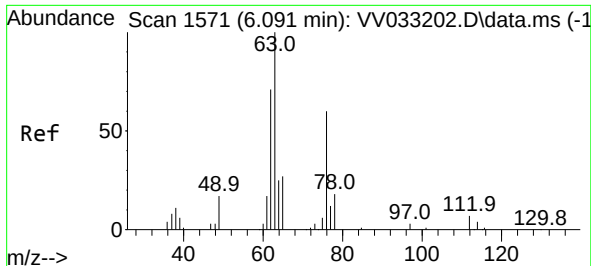
Tgt Ion: 95 Resp: 103749
Ion Ratio Lower Upper
95 100
97 65.6 45.8 85.0
132 105.0 77.4 143.8
130 108.1 76.9 142.7



#35
Methylcyclohexane
Concen: 49.066 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

Tgt Ion: 83 Resp: 153023
Ion Ratio Lower Upper
83 100
55 66.2 54.8 82.2
98 50.6 41.4 62.0





#37

1,2-Dichloropropane

Concen: 51.375 ug/L

RT: 6.092 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

Instrument :

MSVOA_V

ClientSampleId :

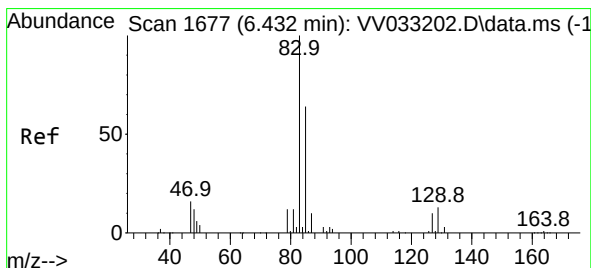
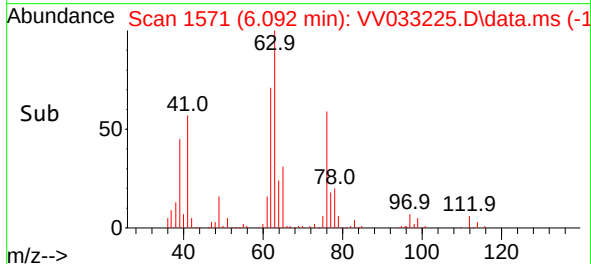
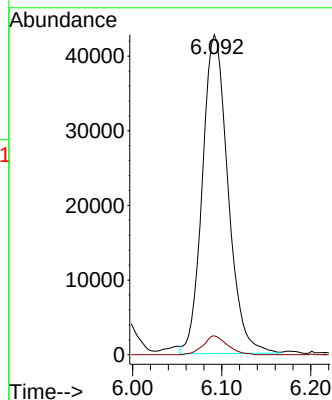
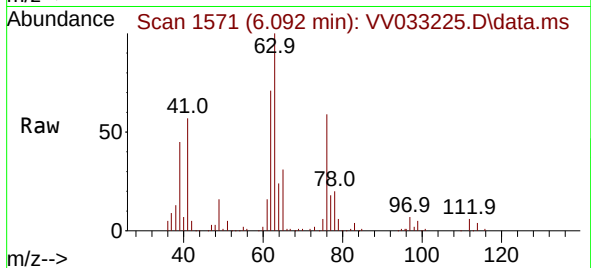
YCH84MS

Tgt Ion: 63 Resp: 85522

Ion Ratio Lower Upper

63 100

112 5.5 4.6 6.8



#38

Bromodichloromethane

Concen: 53.063 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

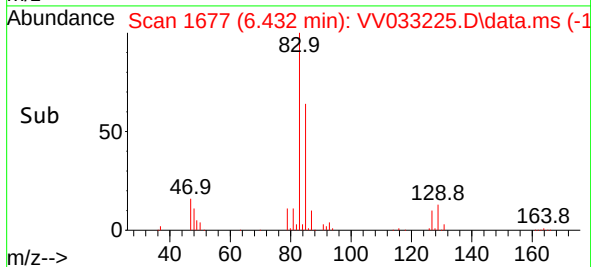
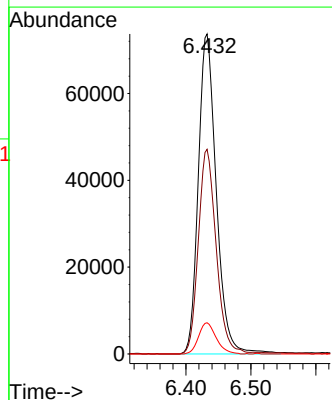
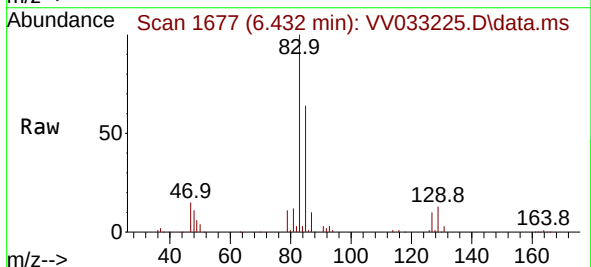
Tgt Ion: 83 Resp: 142404

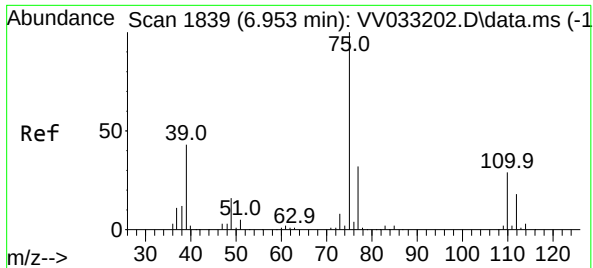
Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.6

127 9.7 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 51.056 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

Instrument :

MSVOA_V

ClientSampleId :

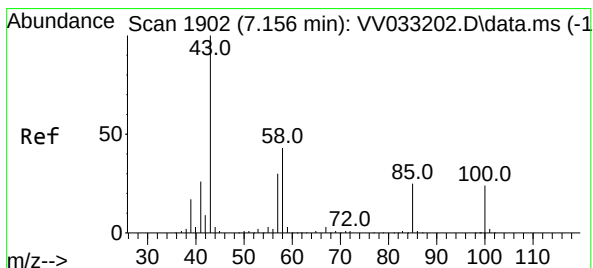
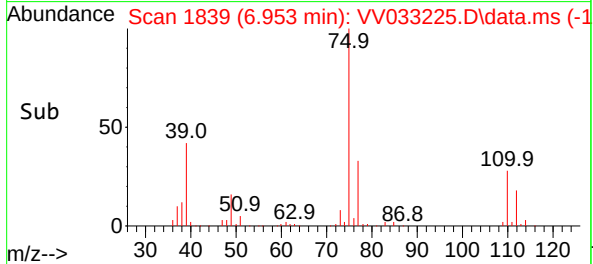
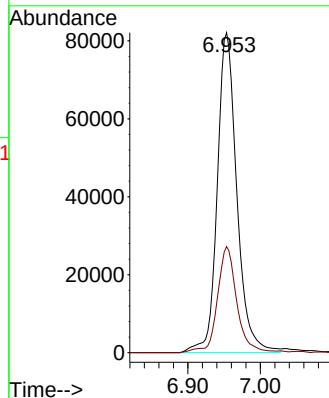
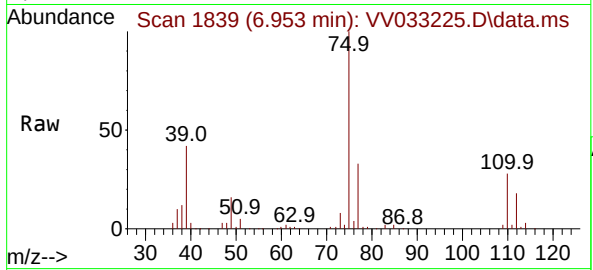
YCH84MS

Tgt Ion: 75 Resp: 154219

Ion Ratio Lower Upper

75 100

77 33.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 109.271 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

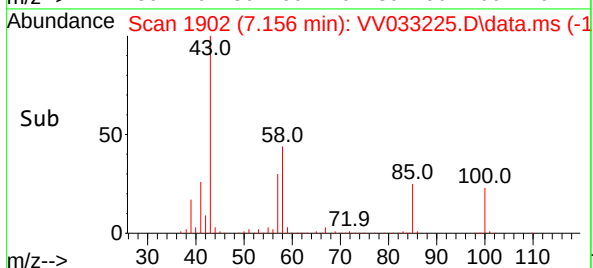
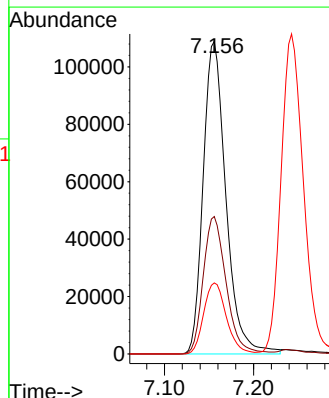
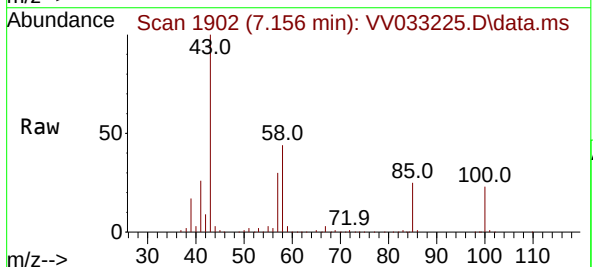
Tgt Ion: 43 Resp: 193132

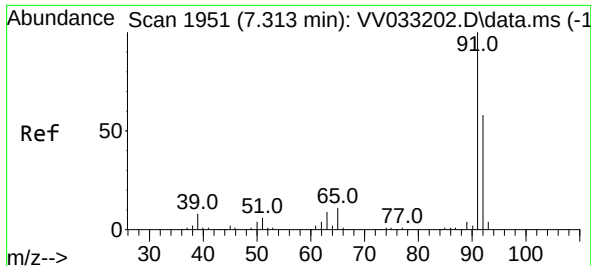
Ion Ratio Lower Upper

43 100

58 44.2 34.5 51.7

100 22.6 17.0 25.6





#42

Toluene

Concen: 53.135 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

Instrument :

MSVOA_V

ClientSampleId :

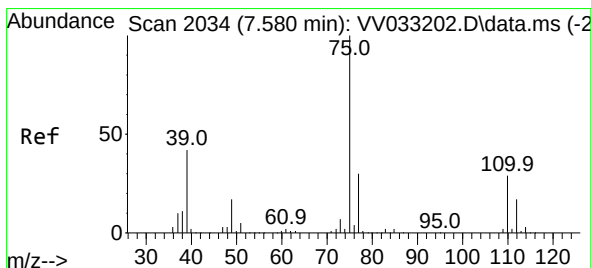
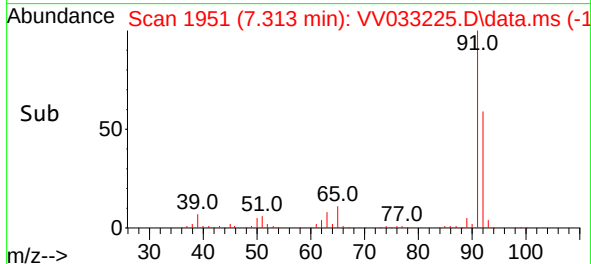
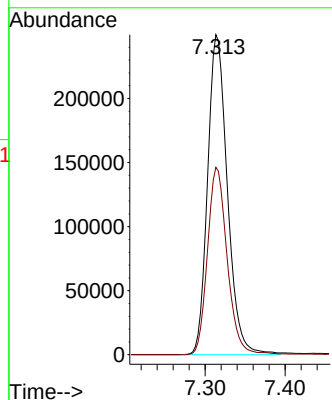
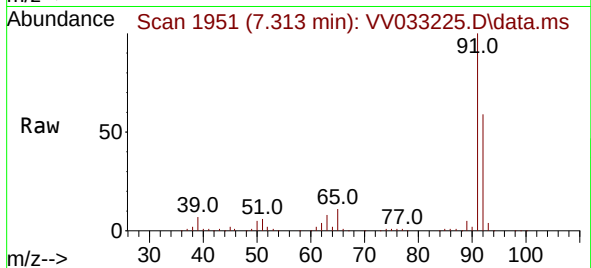
YCH84MS

Tgt Ion: 91 Resp: 430679

Ion Ratio Lower Upper

91 100

92 58.5 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 51.453 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033225.D

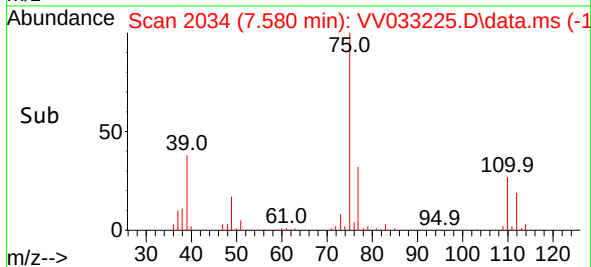
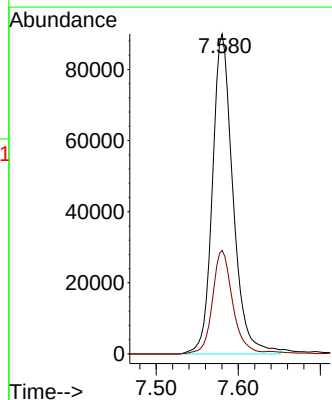
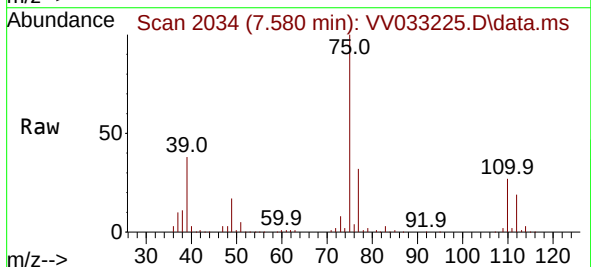
Acq: 11 Dec 2023 20:00

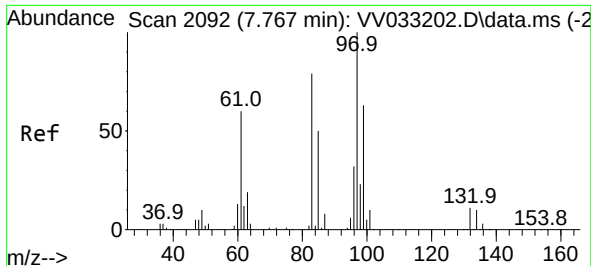
Tgt Ion: 75 Resp: 157159

Ion Ratio Lower Upper

75 100

77 32.4 22.0 41.0



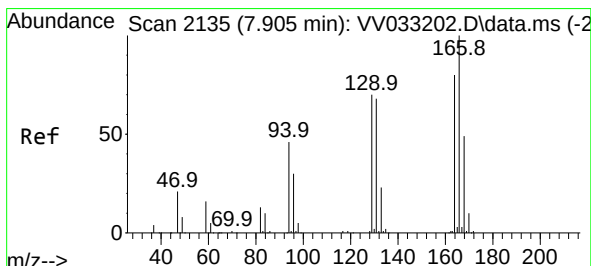
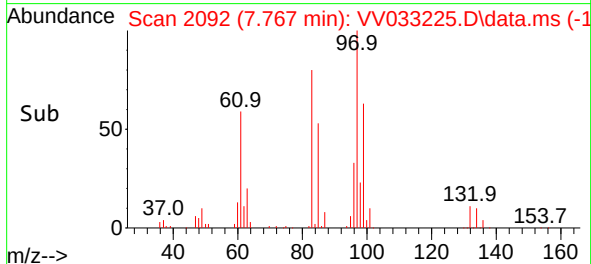
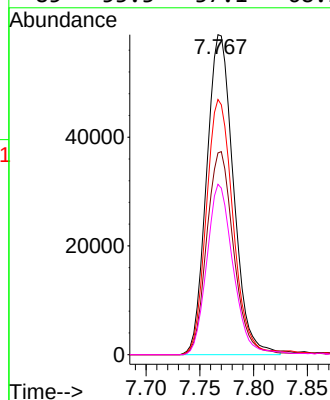
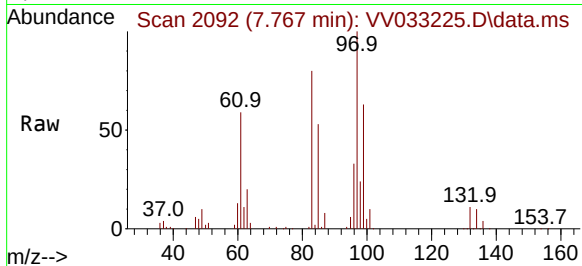


#45
1,1,2-Trichloroethane
Concen: 53.068 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

Instrument :
MSVOA_V
ClientSampleId :
YCH84MS

Tgt Ion: 97 Resp: 102427

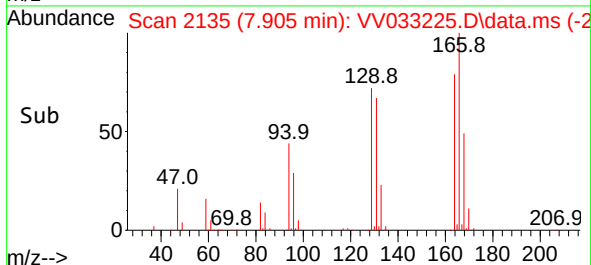
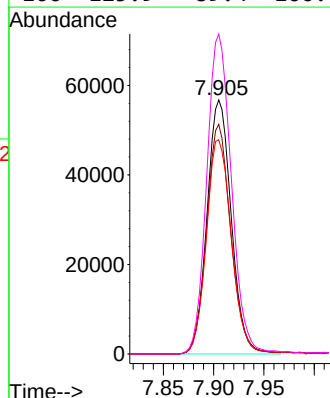
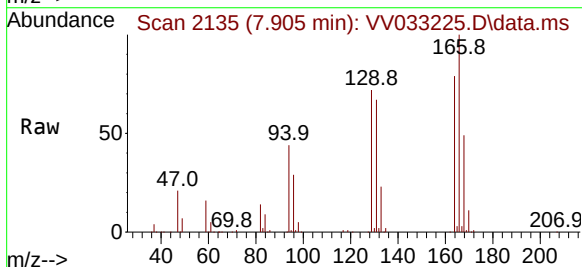
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.2	80.2
83	79.8	55.8	103.6
85	53.3	37.1	68.9

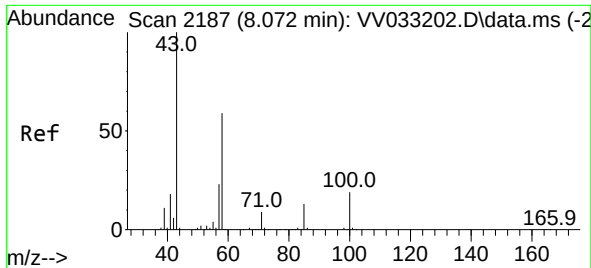


#46
Tetrachloroethene
Concen: 51.540 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

Tgt Ion: 164 Resp: 95208

Ion	Ratio	Lower	Upper
164	100		
129	90.4	65.6	121.8
131	84.3	64.7	120.1
166	125.9	89.4	166.0

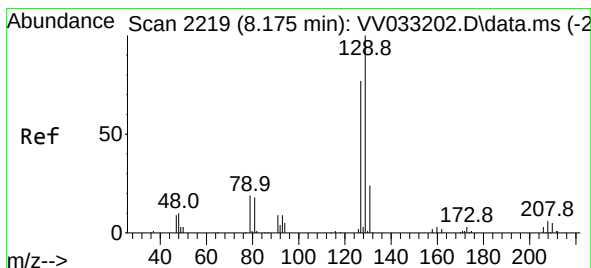
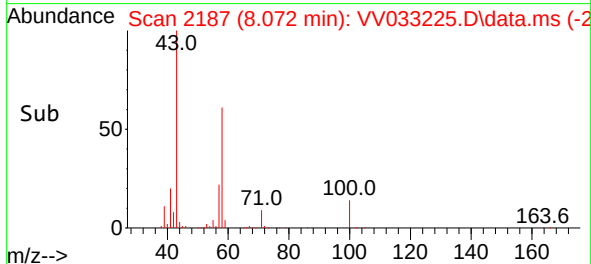
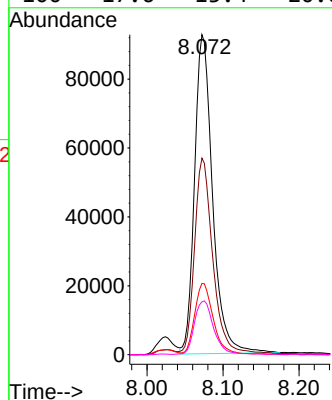
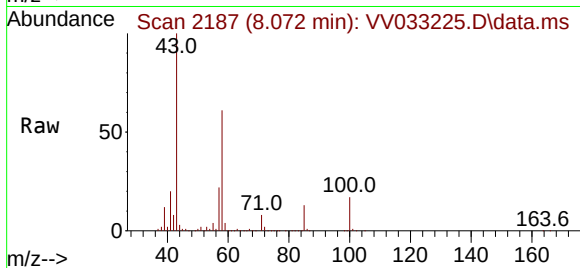




#48
2-Hexanone
Concen: 104.585 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

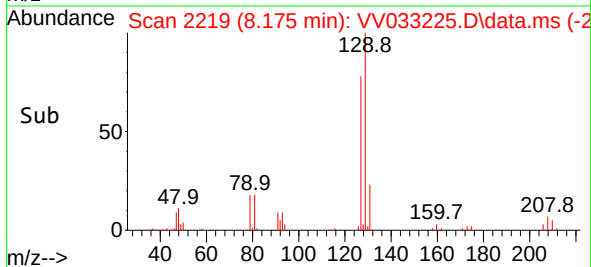
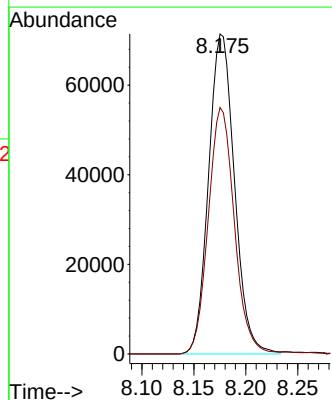
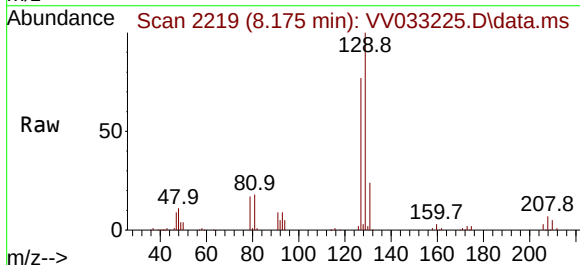
Instrument :
MSVOA_V
ClientSampleId :
YCH84MS

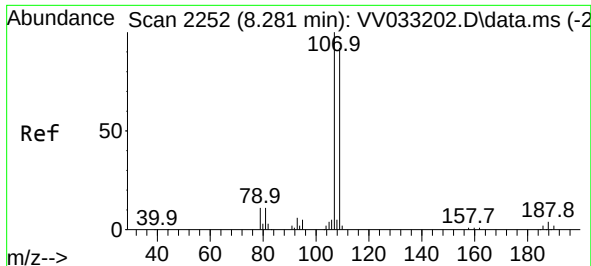
Tgt Ion: 43 Resp: 153259
Ion Ratio Lower Upper
43 100
58 60.4 47.9 71.9
57 22.5 17.4 26.0
100 17.6 13.4 20.0



#49
Dibromochloromethane
Concen: 53.811 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

Tgt Ion: 129 Resp: 123986
Ion Ratio Lower Upper
129 100
127 77.0 54.1 100.5





#50

1,2-Dibromoethane

Concen: 53.451 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

Instrument :

MSVOA_V

ClientSampleId :

YCH84MS

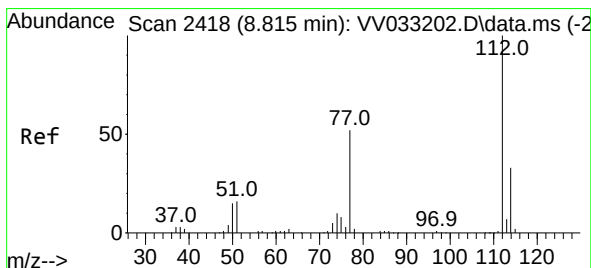
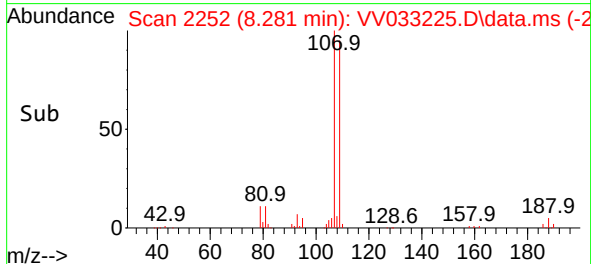
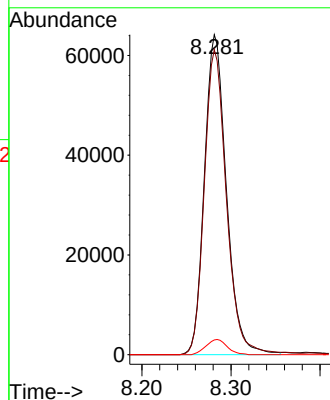
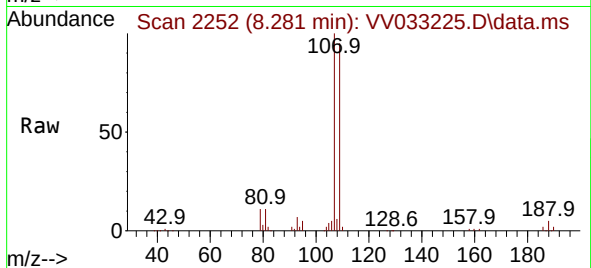
Tgt Ion:107 Resp: 109990

Ion Ratio Lower Upper

107 100

109 95.3 65.2 121.2

188 4.6 3.8 5.6



#51

Chlorobenzene

Concen: 51.281 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

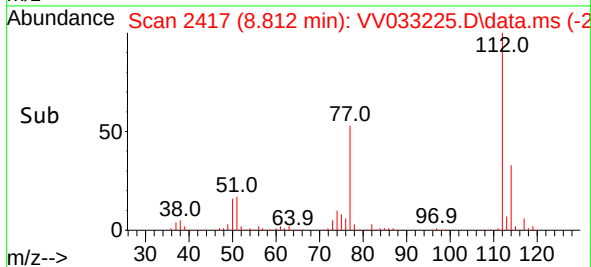
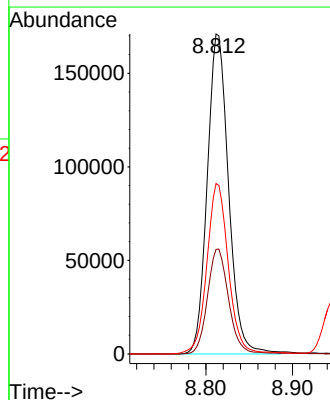
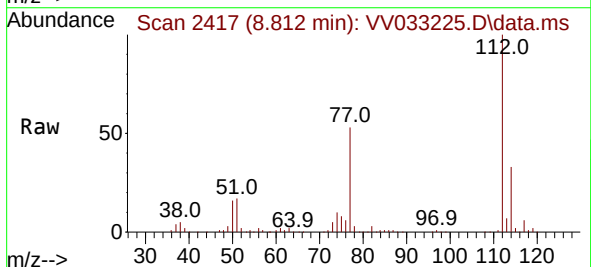
Tgt Ion:112 Resp: 292292

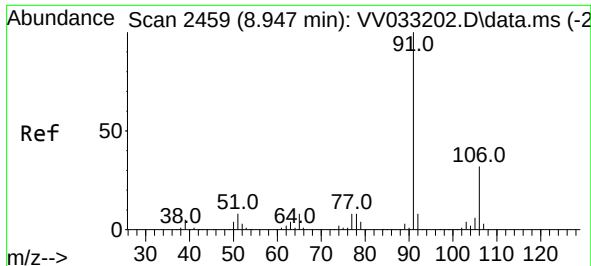
Ion Ratio Lower Upper

112 100

114 32.7 22.9 42.5

77 53.3 42.6 64.0





#52

Ethylbenzene

Concen: 52.147 ug/L

RT: 8.947 min Scan# 2459

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

Instrument :

MSVOA_V

ClientSampleId :

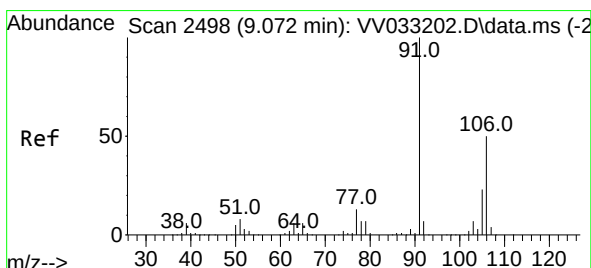
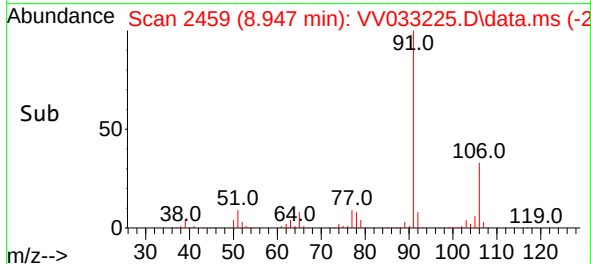
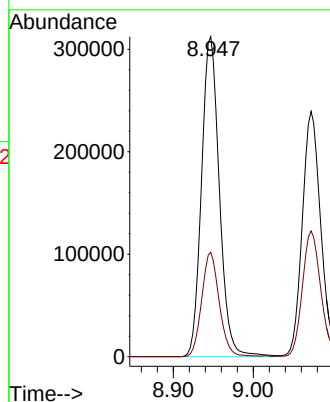
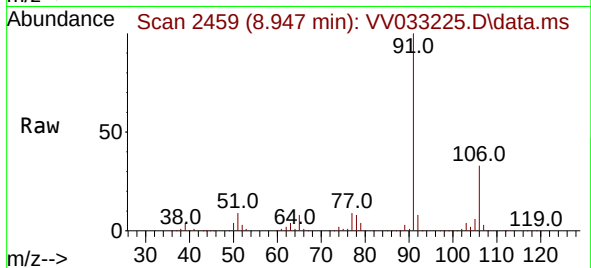
YCH84MS

Tgt Ion: 91 Resp: 486506

Ion Ratio Lower Upper

91 100

106 32.6 22.6 42.0



#53

m,p-Xylene

Concen: 52.820 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.000 min

Lab File: VV033225.D

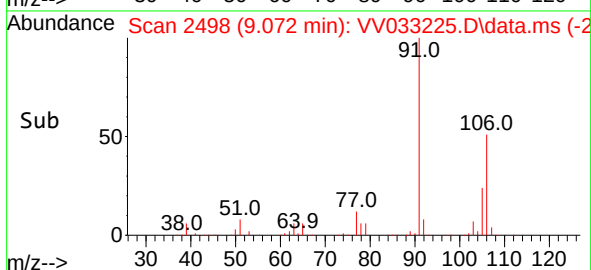
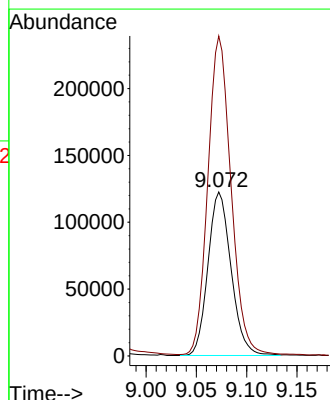
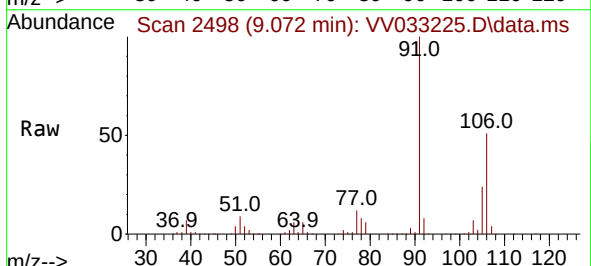
Acq: 11 Dec 2023 20:00

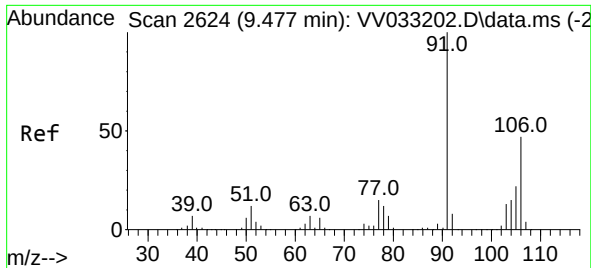
Tgt Ion: 106 Resp: 195152

Ion Ratio Lower Upper

106 100

91 195.1 145.2 269.6

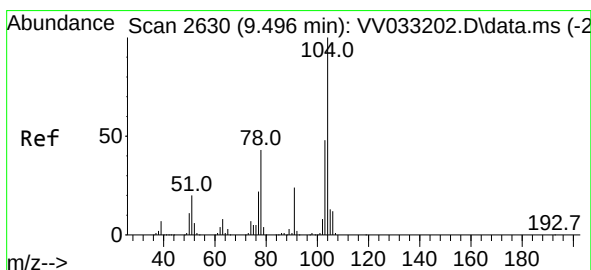
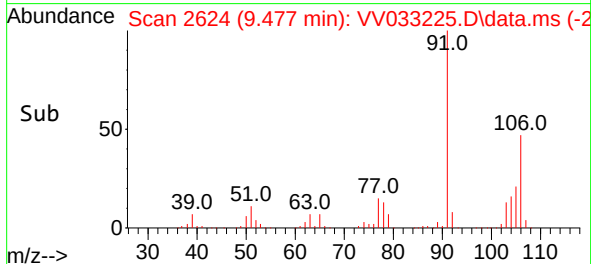
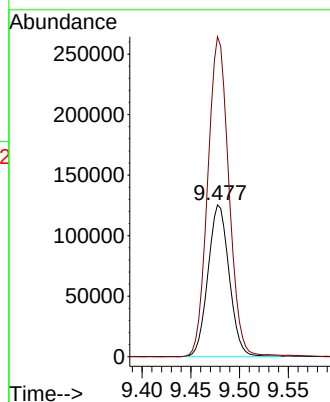
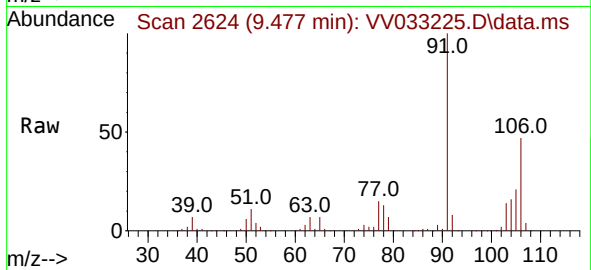




#54
o-Xylene
Concen: 52.095 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

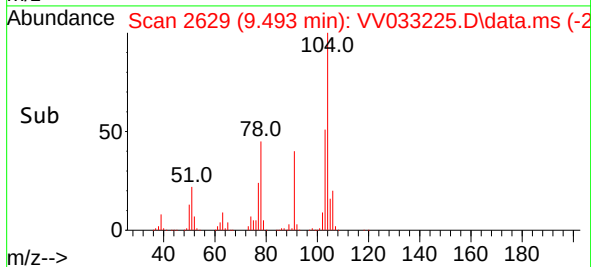
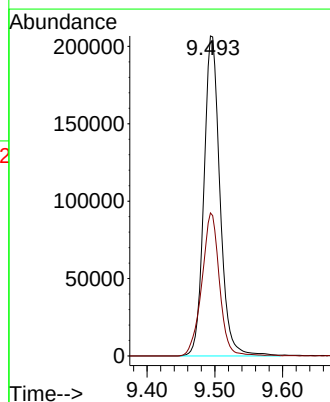
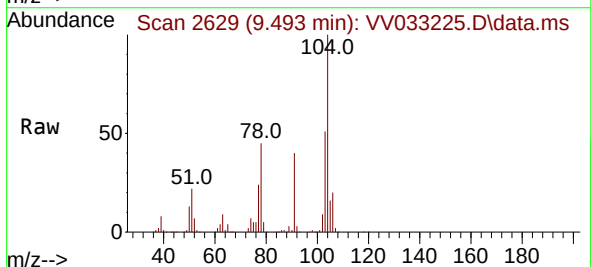
Instrument :
MSVOA_V
ClientSampleId :
YCH84MS

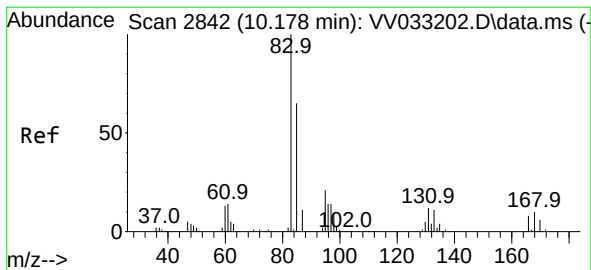
Tgt Ion:106 Resp: 189928
Ion Ratio Lower Upper
106 100
91 210.7 147.8 274.6



#55
Styrene
Concen: 53.966 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

Tgt Ion:104 Resp: 340356
Ion Ratio Lower Upper
104 100
78 44.7 30.2 56.0

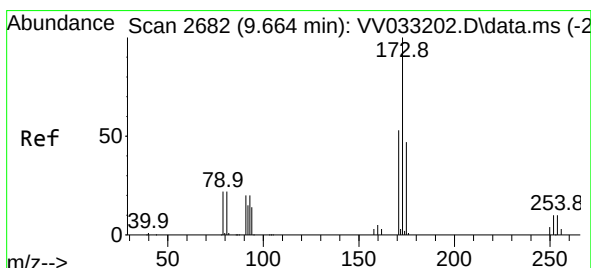
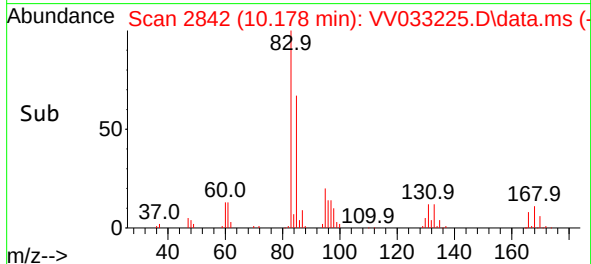
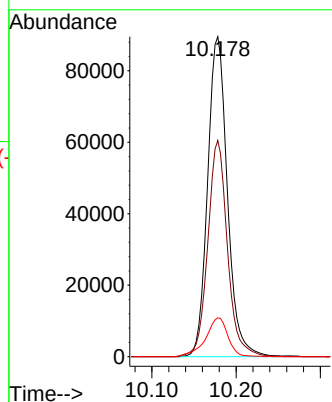
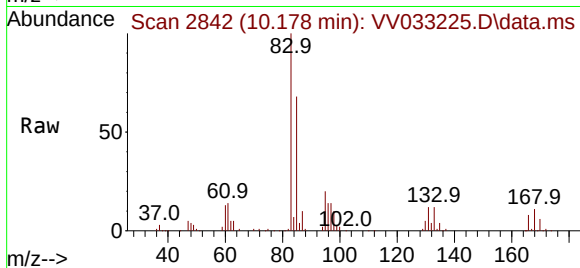




#57
 1,1,2,2-Tetrachloroethane
 Concen: 55.571 ug/L
 RT: 10.178 min Scan# 2842
 Delta R.T. 0.000 min
 Lab File: VV033225.D
 Acq: 11 Dec 2023 20:00

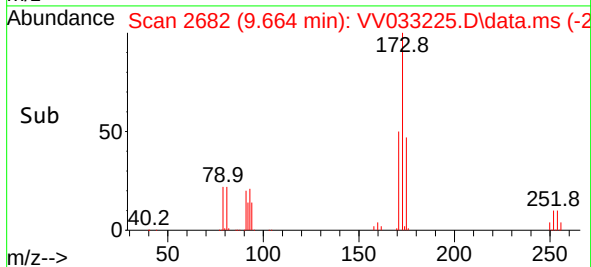
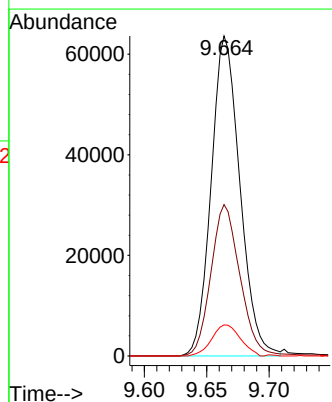
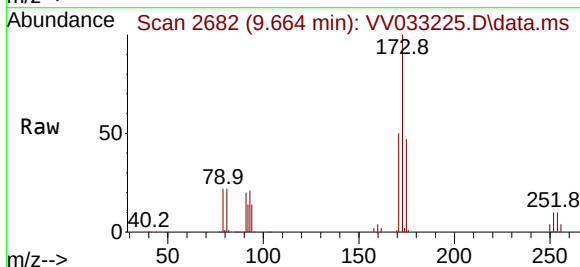
Instrument :
 MSVOA_V
 ClientSampleId :
 YCH84MS

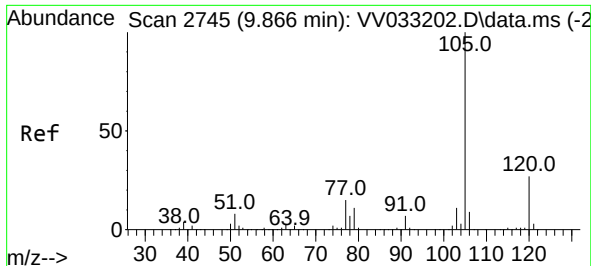
Tgt Ion: 83 Resp: 146543
 Ion Ratio Lower Upper
 83 100
 85 67.6 45.5 84.5
 131 12.2 9.7 14.5



#59
 Bromoform
 Concen: 53.416 ug/L
 RT: 9.664 min Scan# 2682
 Delta R.T. 0.000 min
 Lab File: VV033225.D
 Acq: 11 Dec 2023 20:00

Tgt Ion: 173 Resp: 102023
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.7 58.1
 254 9.7 8.0 12.0

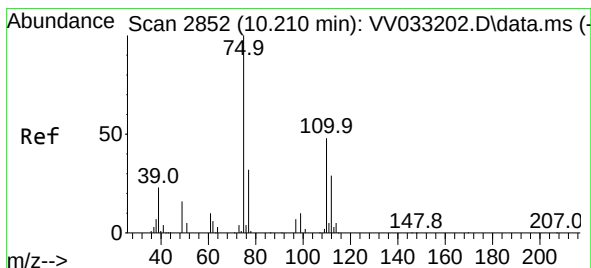
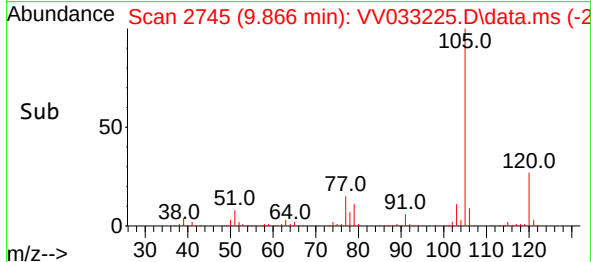
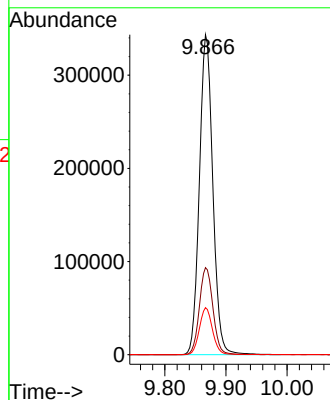
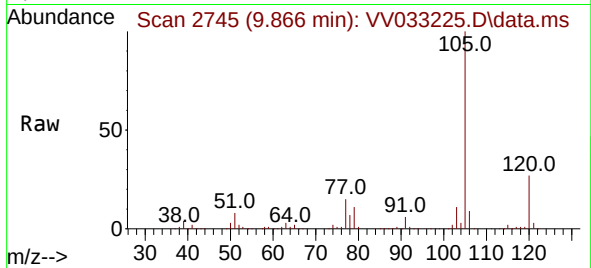




#60
Isopropylbenzene
Concen: 51.584 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

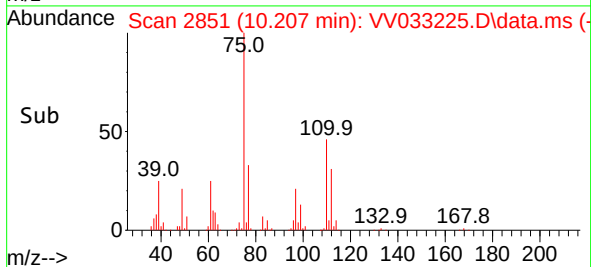
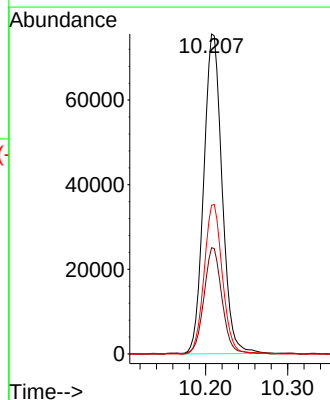
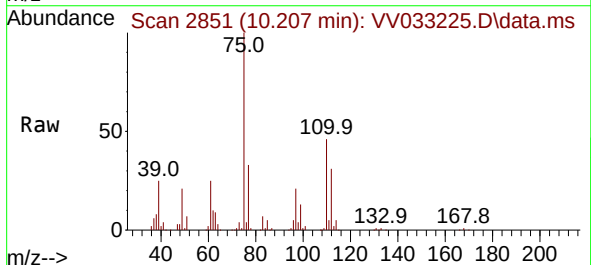
Instrument :
MSVOA_V
ClientSampleId :
YCH84MS

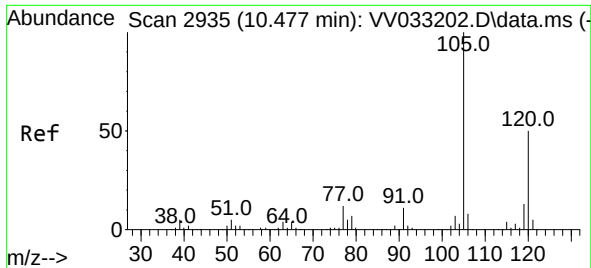
Tgt Ion:105 Resp: 523415
Ion Ratio Lower Upper
105 100
120 27.4 21.3 31.9
77 14.4 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 53.403 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

Tgt Ion: 75 Resp: 117185
Ion Ratio Lower Upper
75 100
77 32.6 27.0 40.6
110 46.5 38.1 57.1

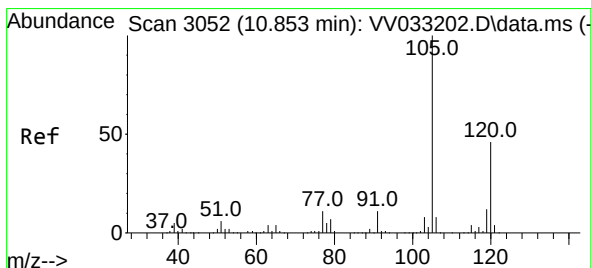
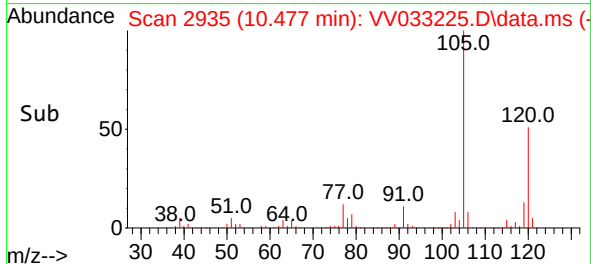
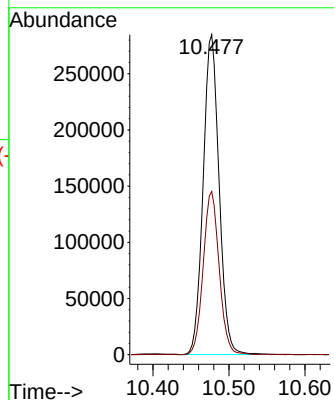
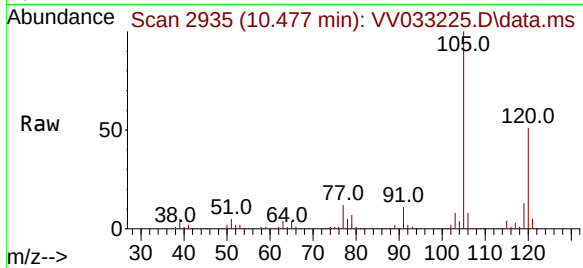




#62
 1,3,5-Trimethylbenzene
 Concen: 50.684 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VV033225.D
 Acq: 11 Dec 2023 20:00

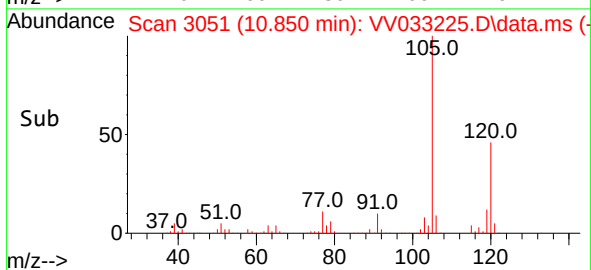
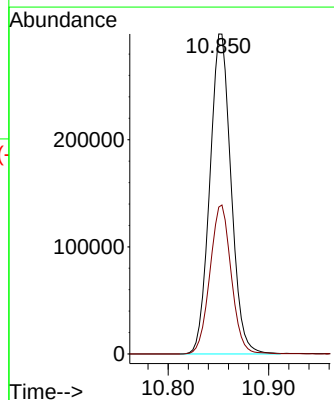
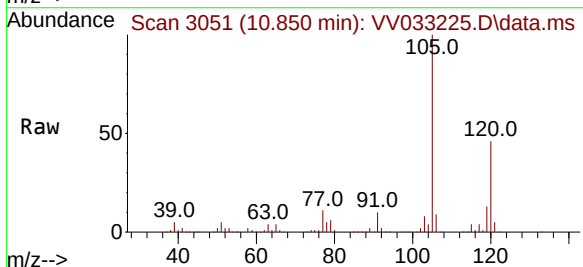
Instrument :
 MSVOA_V
 ClientSampleId :
 YCH84MS

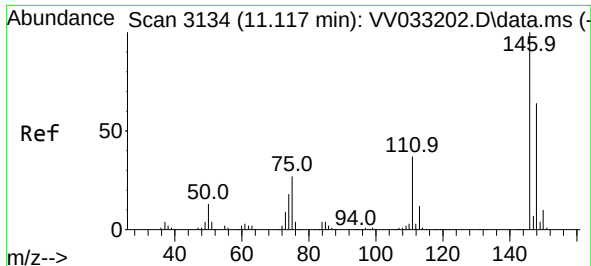
Tgt Ion:105 Resp: 414350
 Ion Ratio Lower Upper
 105 100
 120 51.1 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 51.465 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. 0.000 min
 Lab File: VV033225.D
 Acq: 11 Dec 2023 20:00

Tgt Ion:105 Resp: 438176
 Ion Ratio Lower Upper
 105 100
 120 46.8 36.7 55.1

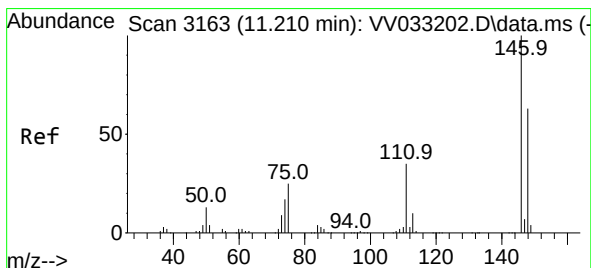
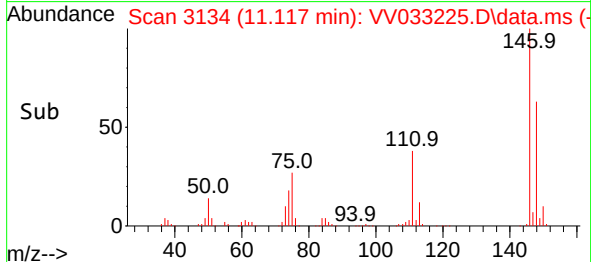
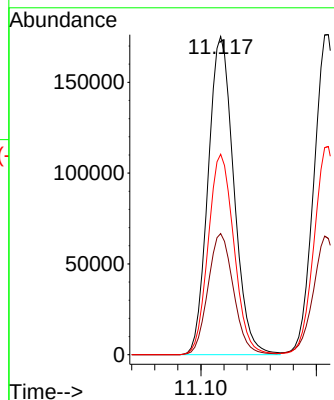
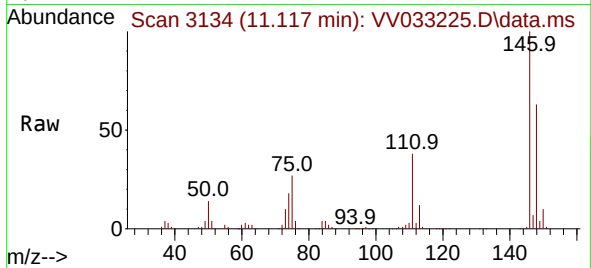




#64
1,3-Dichlorobenzene
Concen: 50.086 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

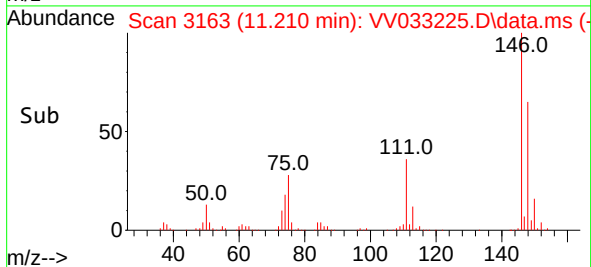
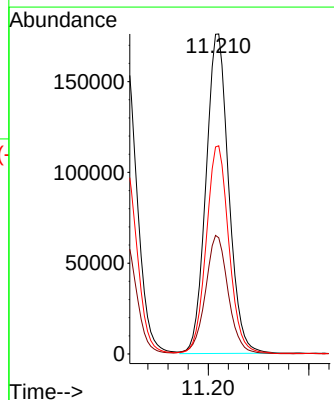
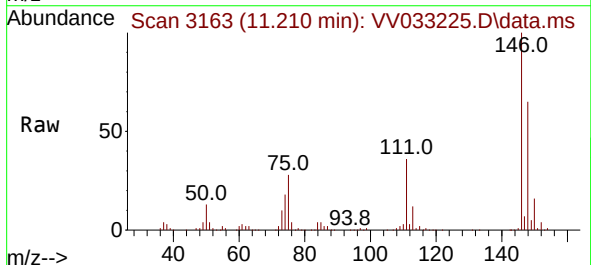
Instrument :
MSVOA_V
ClientSampleId :
YCH84MS

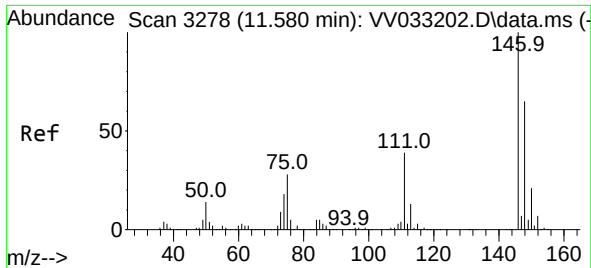
Tgt Ion:146 Resp: 271513
Ion Ratio Lower Upper
146 100
111 38.1 26.2 48.6
148 63.0 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 49.000 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

Tgt Ion:146 Resp: 275923
Ion Ratio Lower Upper
146 100
111 36.3 25.9 48.1
148 65.1 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 51.083 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

Instrument :

MSVOA_V

ClientSampleId :

YCH84MS

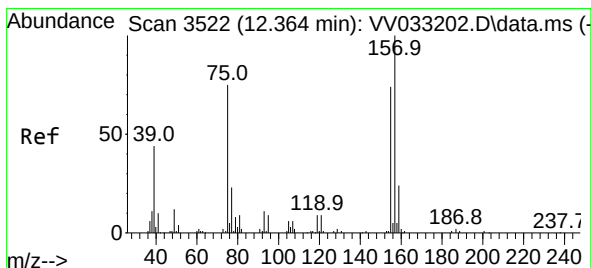
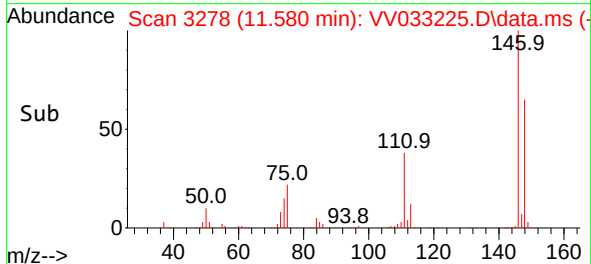
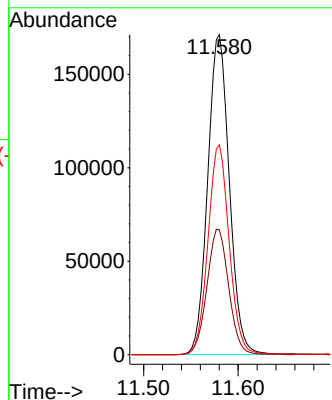
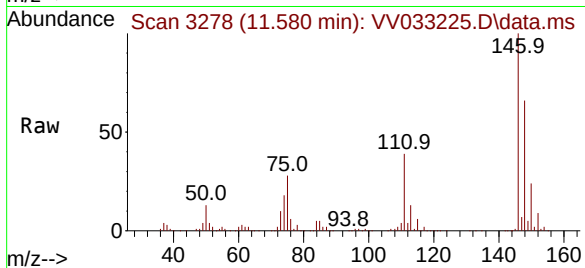
Tgt Ion:146 Resp: 271477

Ion Ratio Lower Upper

146 100

111 39.0 32.4 48.6

148 65.6 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 54.018 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

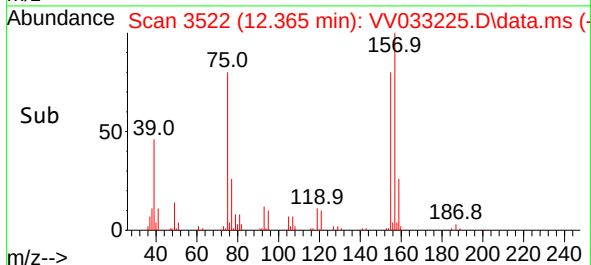
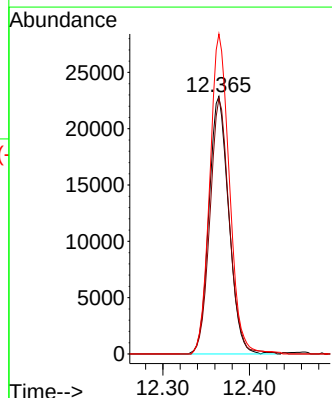
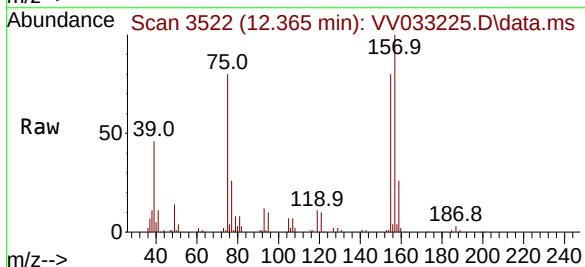
Tgt Ion: 75 Resp: 36371

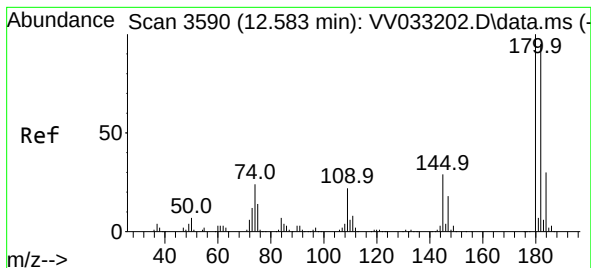
Ion Ratio Lower Upper

75 100

155 99.1 75.8 113.6

157 124.2 95.4 143.0





#69

1,3,5-Trichlorobenzene

Concen: 46.956 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

Instrument :

MSVOA_V

ClientSampleId :

YCH84MS

Tgt Ion:180 Resp: 203892

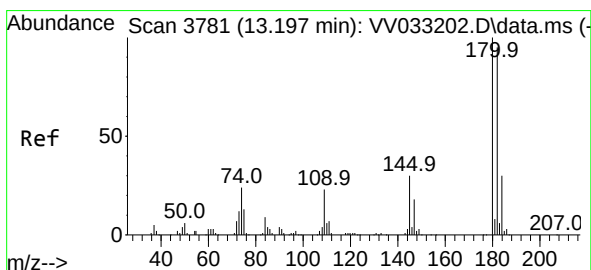
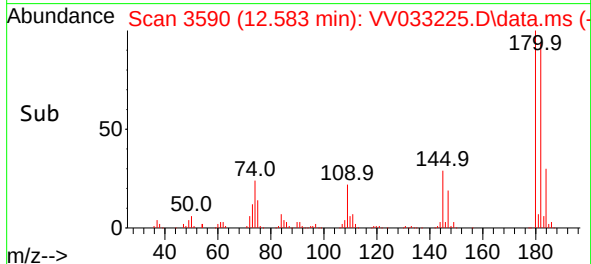
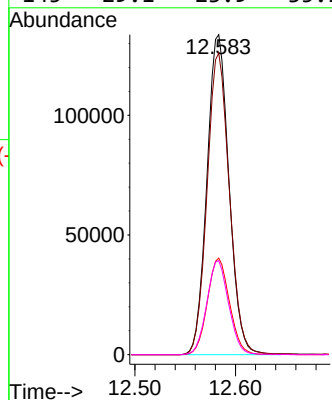
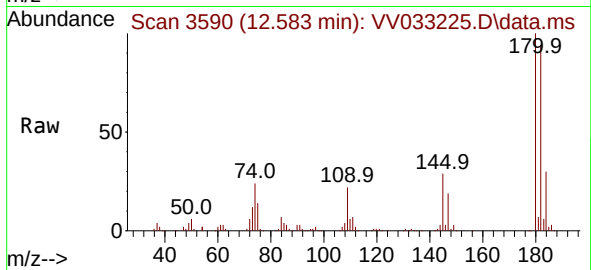
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.4

184 30.3 24.2 36.4

145 29.1 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 45.627 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033225.D

Acq: 11 Dec 2023 20:00

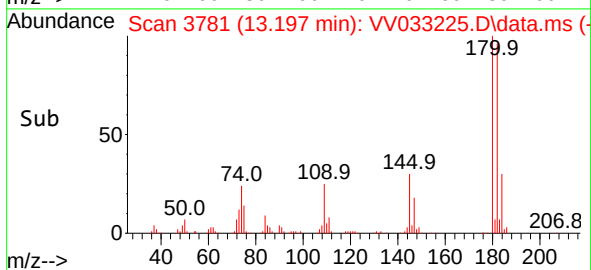
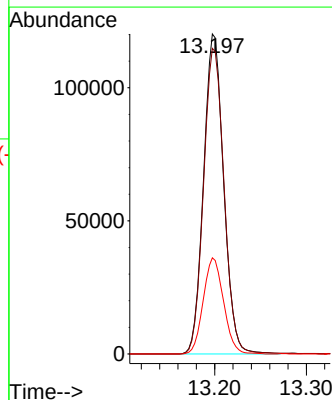
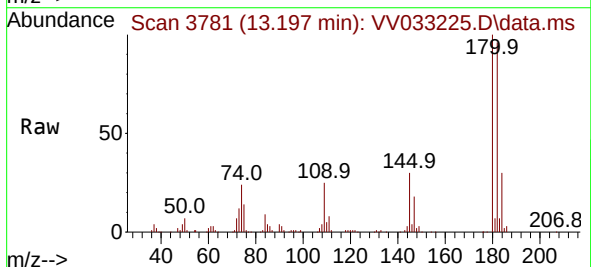
Tgt Ion:180 Resp: 183041

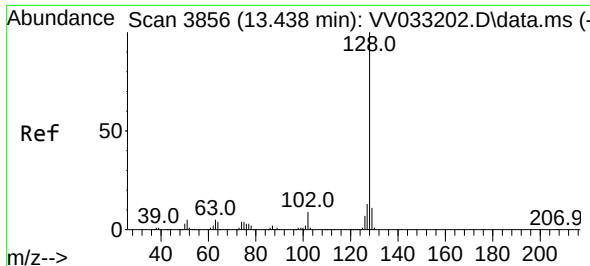
Ion Ratio Lower Upper

180 100

182 97.5 76.3 114.5

145 30.3 23.4 35.0

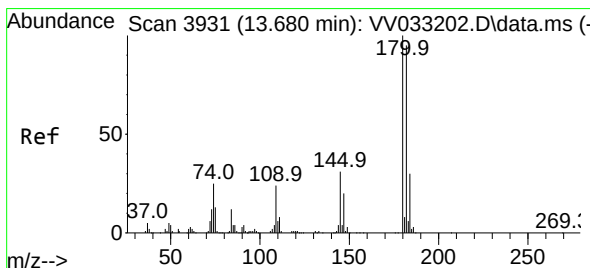
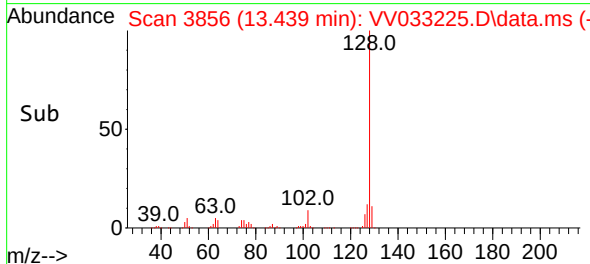
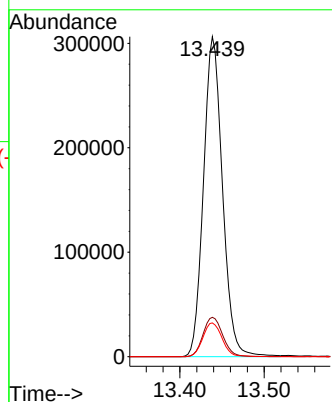
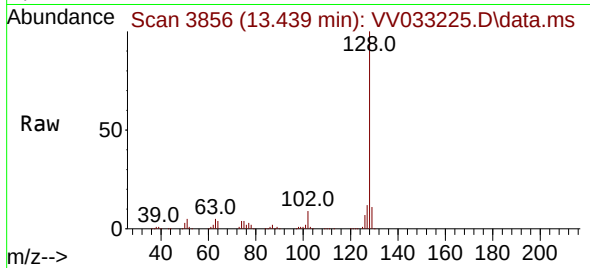




#71
Naphthalene
Concen: 49.193 ug/L
RT: 13.439 min Scan# 3856
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

Instrument :
MSVOA_V
ClientSampleId :
YCH84MS

Tgt Ion:128 Resp: 481278
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 49.741 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.000 min
Lab File: VV033225.D
Acq: 11 Dec 2023 20:00

Tgt Ion:180 Resp: 192548
Ion Ratio Lower Upper
180 100
182 95.0 75.2 112.8
145 32.4 24.9 37.3

