

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011024\
 Data File : VW033571.D
 Acq On : 10 Jan 2024 19:29
 Operator : SY/MD
 Sample : P1059-02MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YCH91MS

Quant Time: Jan 11 00:53:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 11 00:32:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	322659	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	306499	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	154618	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	118076	47.615	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.240%
7) Chloroethane-d5	1.529	69	91280	46.481	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.960%
11) 1,1-Dichloroethene-d2	2.060	65	50364	47.192	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.380%
21) 2-Butanone-d5	3.783	46	167334	98.379	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.380%
24) Chloroform-d	4.246	84	208134	46.939	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.880%
26) 1,2-Dichloroethane-d4	4.941	65	135778	47.392	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.780%
32) Benzene-d6	4.960	84	409453	46.990	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.980%
36) 1,2-Dichloropropane-d6	5.989	67	134251	46.807	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.620%
41) Toluene-d8	7.243	98	369233	47.030	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.060%
43) trans-1,3-Dichloroprop...	7.551	79	68154	48.079	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.160%
47) 2-Hexanone-d5	8.021	63	123051	103.428	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.430%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	171161	46.744	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.480%
66) 1,2-Dichlorobenzene-d4	11.561	152	140163	47.779	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	127307	47.427	ug/L	99
3) Chloromethane	1.214	50	150226	49.217	ug/L	99
5) Vinyl chloride	1.282	62	145806	49.933	ug/L	98
6) Bromomethane	1.481	94	74749	48.980	ug/L	100
8) Chloroethane	1.545	64	85799	49.276	ug/L	100
9) Trichlorofluoromethane	1.712	101	175190	50.276	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	100835	49.117	ug/L	99
12) 1,1-Dichloroethene	2.069	96	98533	50.884	ug/L	98
13) Acetone	2.108	43	296565	182.360	ug/L	99
14) Carbon disulfide	2.240	76	323399	49.137	ug/L	100
15) Methyl Acetate	2.368	43	134699	50.652	ug/L	# 100
16) Methylene chloride	2.446	84	114677	48.544	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	105003	48.543	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	395905	50.890	ug/L	100
19) 1,1-Dichloroethane	3.111	63	237311	53.663	ug/L	100
20) cis-1,2-Dichloroethene	3.815	96	121656	50.533	ug/L	98
22) 2-Butanone	3.860	43	229604	116.246	ug/L	96
23) Bromochloromethane	4.146	128	58608	50.112	ug/L	98
25) Chloroform	4.275	83	212965	50.792	ug/L	100

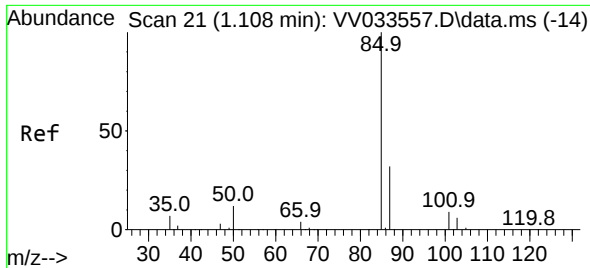
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011024\
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 Quant Title : VOC Analysis
 QLast Update : Thu Jan 11 00:32:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	179063	51.130	ug/L	99
29) Cyclohexane	4.584	56	215659	49.910	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	186586	50.728	ug/L	100
31) Carbon tetrachloride	4.735	117	160726	51.194	ug/L	98
33) Benzene	5.011	78	461552	51.270	ug/L	100
34) Trichloroethene	5.831	95	118440	49.046	ug/L	99
35) Methylcyclohexane	6.050	83	199444	48.260	ug/L	100
37) 1,2-Dichloropropane	6.092	63	129743	52.374	ug/L	100
38) Bromodichloromethane	6.433	83	165083	50.940	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	211660	51.165	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	386836	105.386	ug/L	100
42) Toluene	7.314	91	480721	50.516	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	195241	51.216	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	115160	51.235	ug/L	99
46) Tetrachloroethene	7.905	164	86097	48.608	ug/L	98
48) 2-Hexanone	8.072	43	285960	97.770	ug/L	99
49) Dibromochloromethane	8.175	129	116661	49.834	ug/L	100
50) 1,2-Dibromoethane	8.281	107	122280	51.479	ug/L	99
51) Chlorobenzene	8.815	112	303474	50.064	ug/L	99
52) Ethylbenzene	8.947	91	553083	50.179	ug/L	99
53) m,p-Xylene	9.072	106	201371	49.487	ug/L	99
54) o-Xylene	9.477	106	200711	49.823	ug/L	100
55) Styrene	9.497	104	343893	49.444	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	185047	51.731	ug/L	100
59) Bromoform	9.664	173	86600	52.698	ug/L	98
60) Isopropylbenzene	9.866	105	546816	52.271	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	147404	53.718	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	460453	51.299	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	464929	51.986	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	237765	50.317	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	235308	49.663	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	233340	50.538	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	42324	53.449	ug/L	99
69) 1,3,5-Trichlorobenzene	12.583	180	169882	48.651	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	151827	47.905	ug/L	100
71) Naphthalene	13.439	128	375486	45.339	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	145655	49.238	ug/L	100

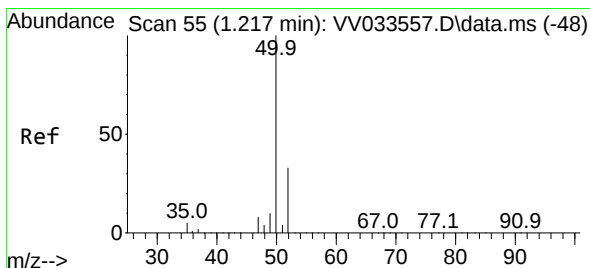
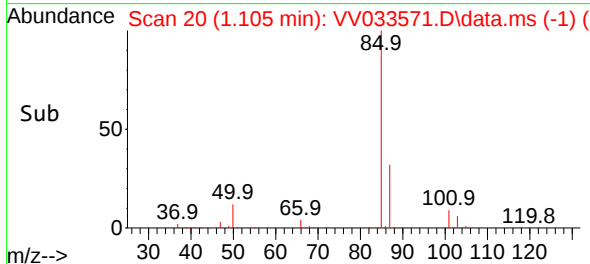
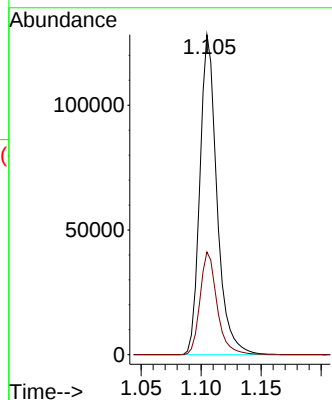
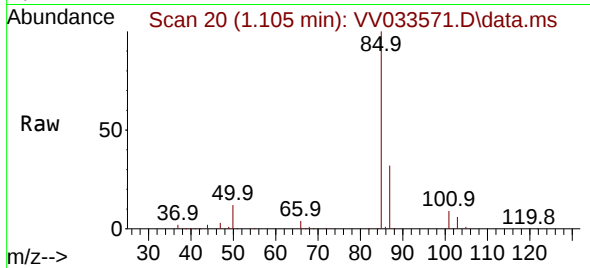
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 47.427 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

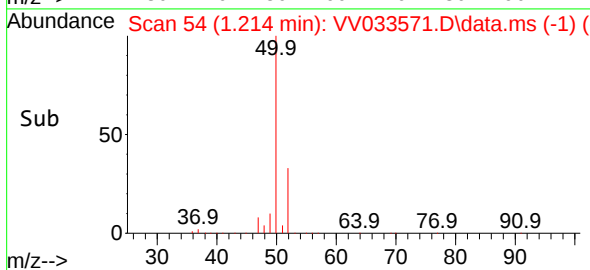
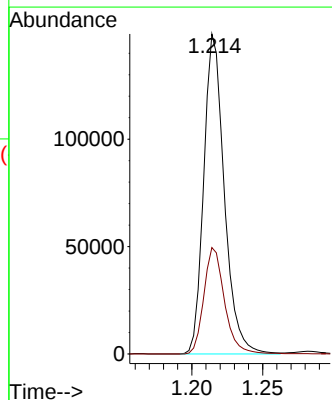
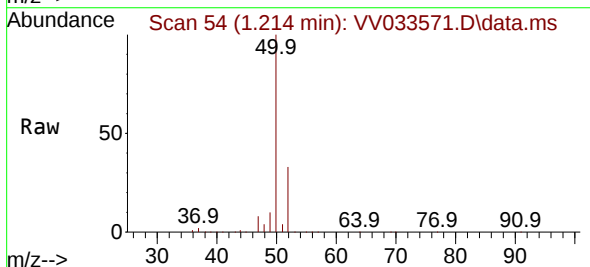
Instrument :
MSVOA_V
ClientSampleId :
YCH91MS

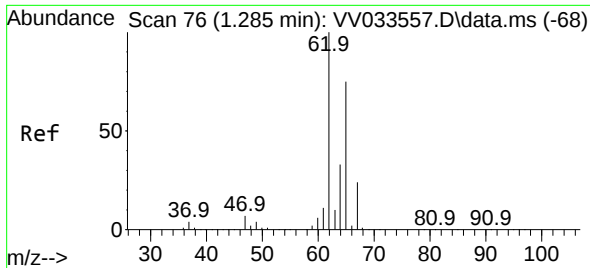
Tgt Ion: 85 Resp: 127307
Ion Ratio Lower Upper
85 100
87 31.9 25.8 38.6



#3
Chloromethane
Concen: 49.217 ug/L
RT: 1.214 min Scan# 54
Delta R.T. -0.003 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

Tgt Ion: 50 Resp: 150226
Ion Ratio Lower Upper
50 100
52 33.2 22.8 42.4

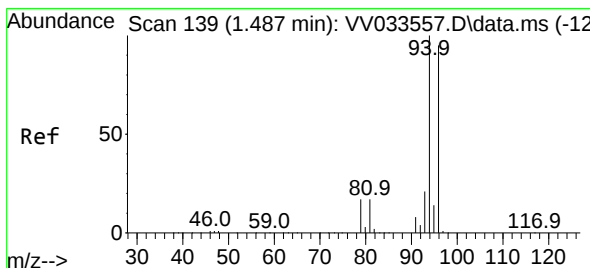
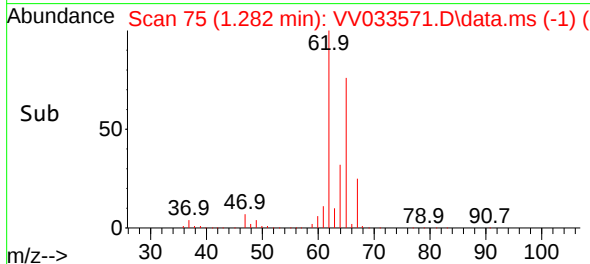
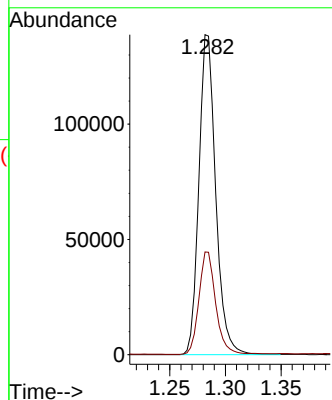
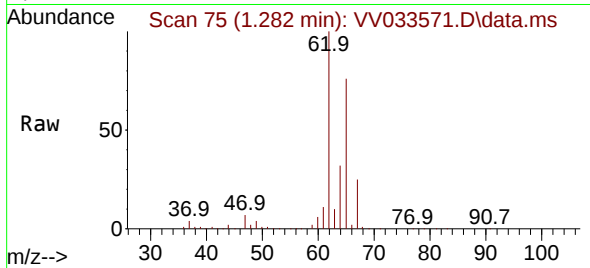




#5
 Vinyl chloride
 Concen: 49.933 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VV033571.D
 Acq: 10 Jan 2024 19:29

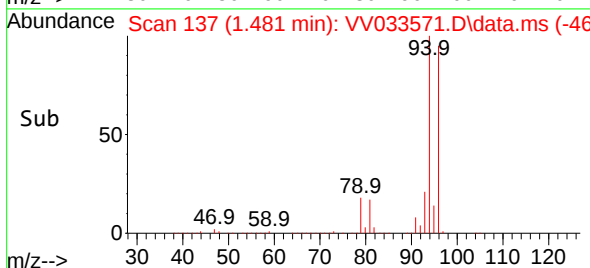
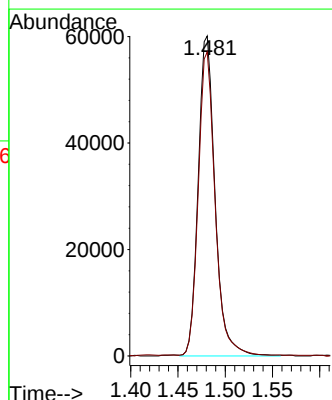
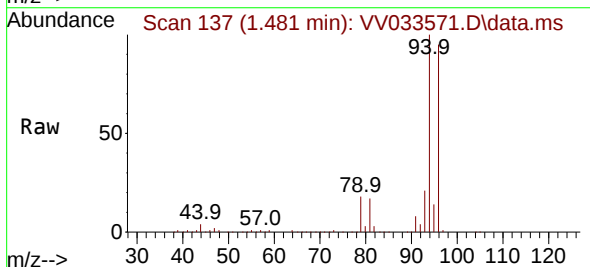
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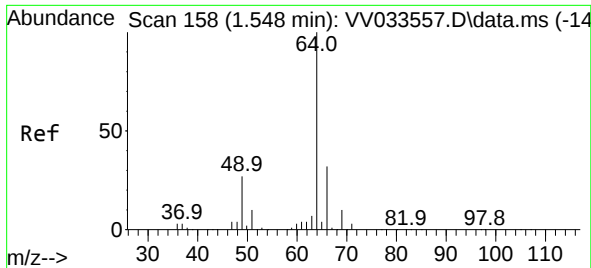
Tgt Ion: 62 Resp: 145806
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.2 43.0



#6
 Bromomethane
 Concen: 48.980 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.006 min
 Lab File: VV033571.D
 Acq: 10 Jan 2024 19:29

Tgt Ion: 94 Resp: 74749
 Ion Ratio Lower Upper
 94 100
 96 95.0 66.4 123.2

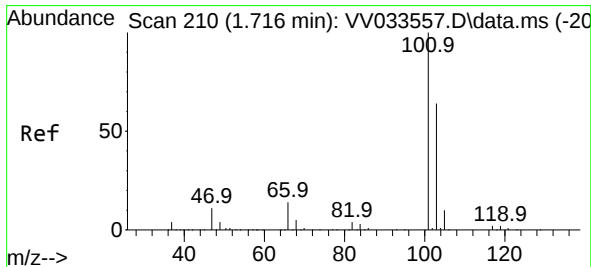
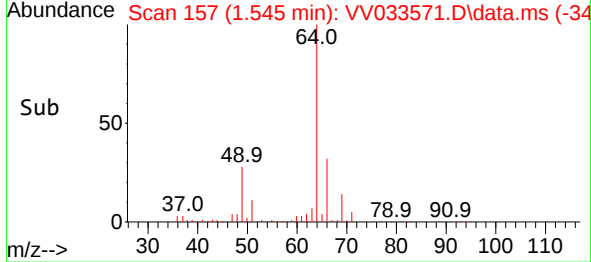
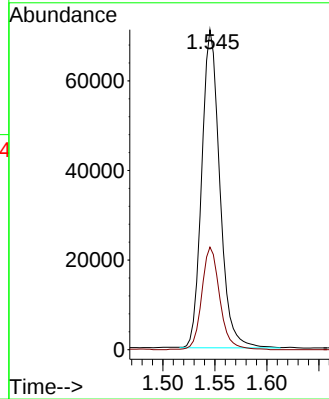
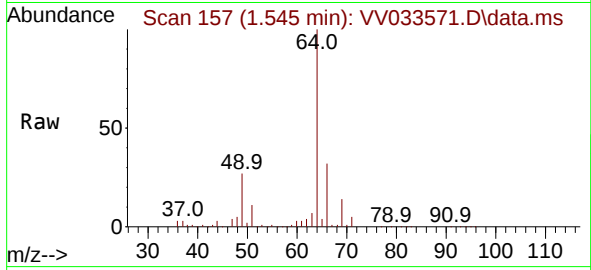




#8
Chloroethane
Concen: 49.276 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

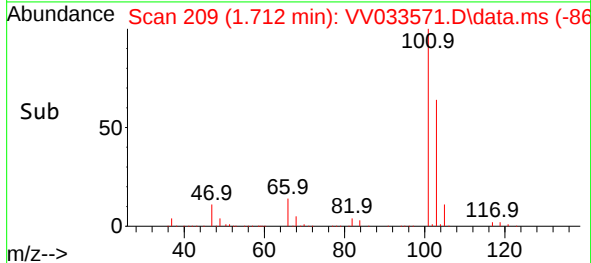
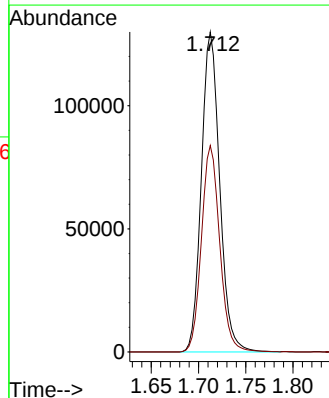
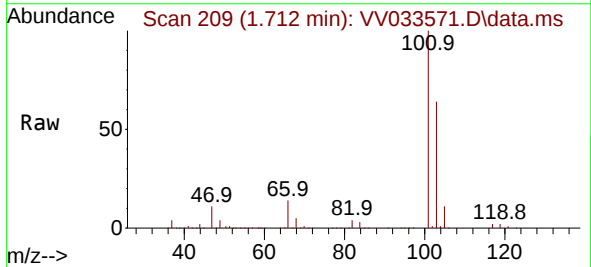
Instrument :
MSVOA_V
ClientSampleId :
YCH91MS

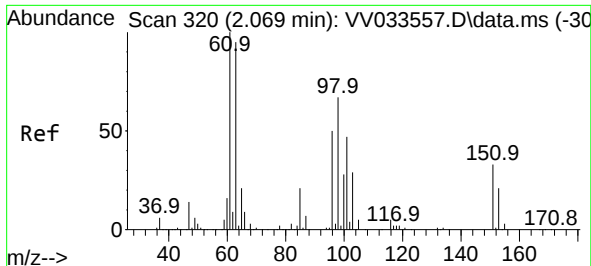
Tgt Ion: 64 Resp: 85799
Ion Ratio Lower Upper
64 100
66 32.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 50.276 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

Tgt Ion:101 Resp: 175190
Ion Ratio Lower Upper
101 100
103 64.5 51.3 76.9

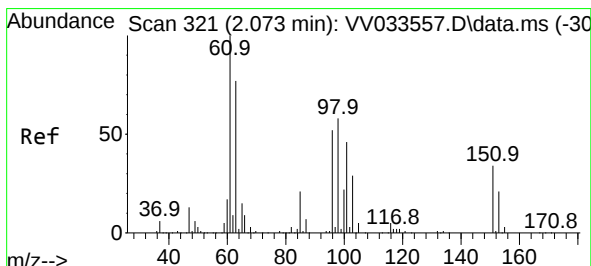
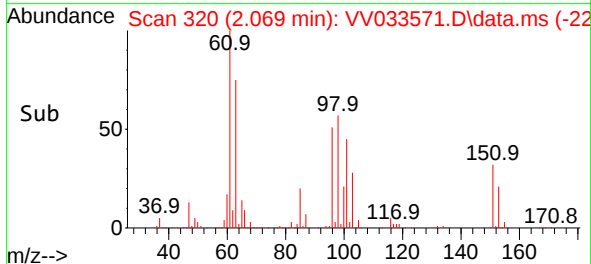
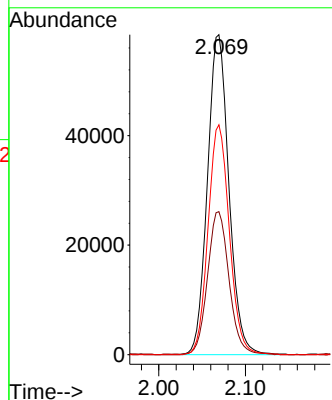
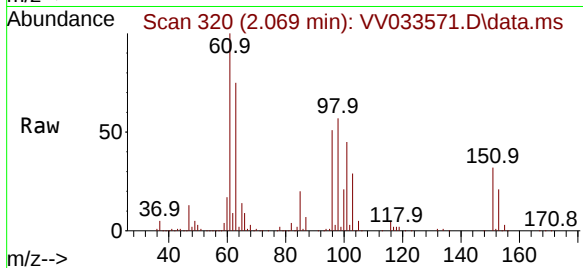




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.117 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033571.D
 Acq: 10 Jan 2024 19:29

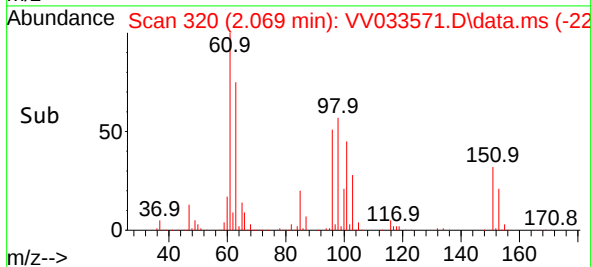
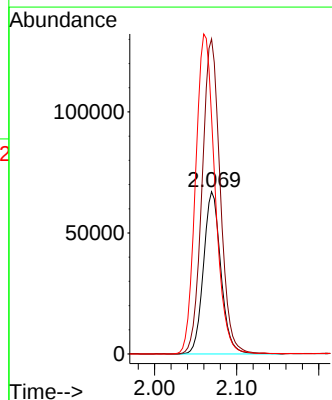
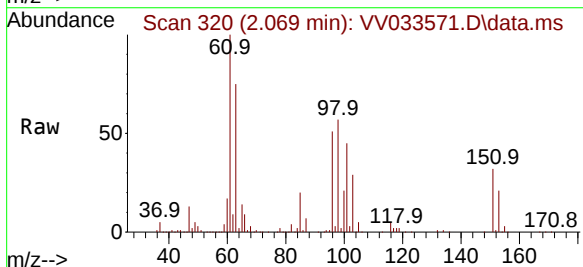
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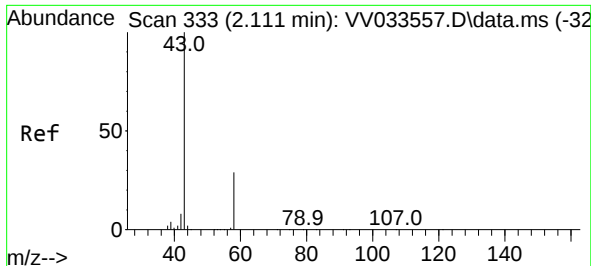
Tgt Ion:101 Resp: 100835
 Ion Ratio Lower Upper
 101 100
 85 44.8 36.2 54.4
 151 71.2 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 50.884 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.003 min
 Lab File: VV033571.D
 Acq: 10 Jan 2024 19:29

Tgt Ion: 96 Resp: 98533
 Ion Ratio Lower Upper
 96 100
 61 194.2 134.0 248.8
 63 145.9 103.4 192.0





#13

Acetone

Concen: 182.360 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Instrument :

MSVOA_V

ClientSampleId :

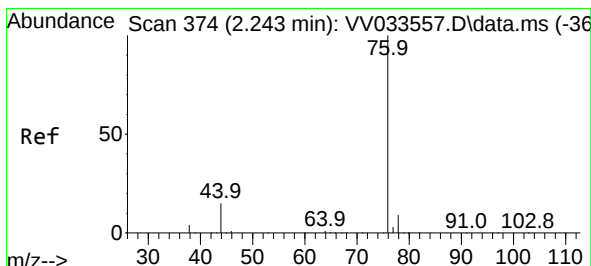
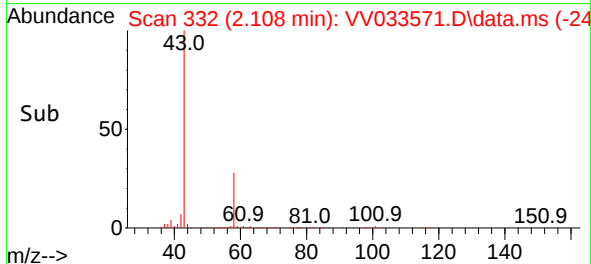
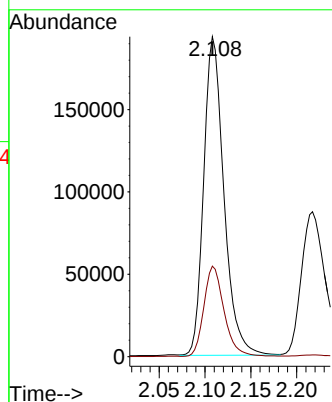
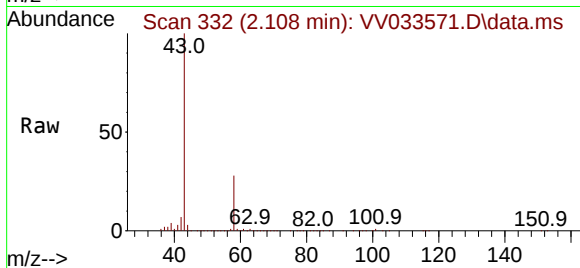
YCH91MS

Tgt Ion: 43 Resp: 296565

Ion Ratio Lower Upper

43 100

58 28.2 0.0 57.2



#14

Carbon disulfide

Concen: 49.137 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV033571.D

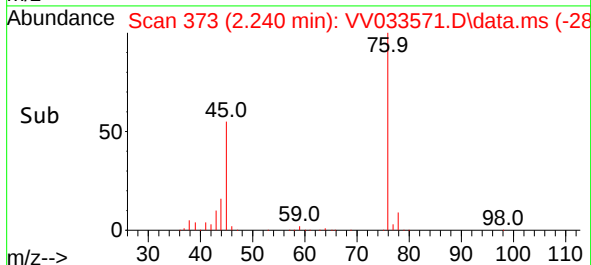
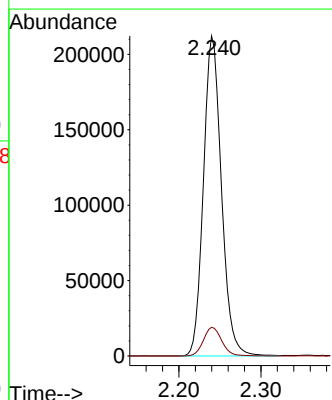
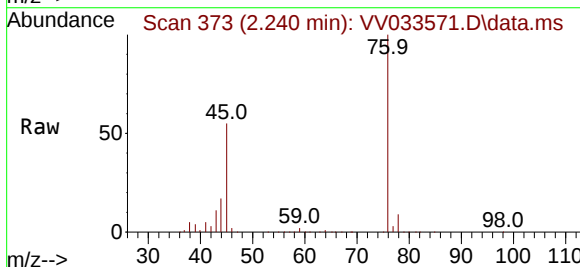
Acq: 10 Jan 2024 19:29

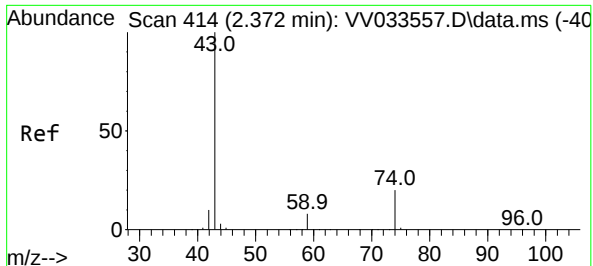
Tgt Ion: 76 Resp: 323399

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

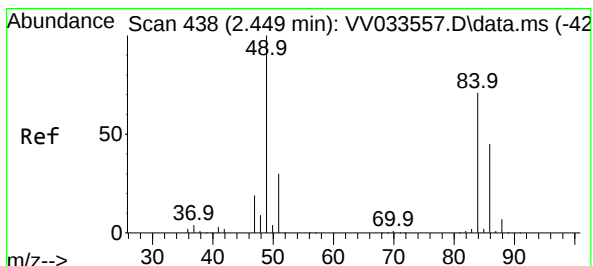
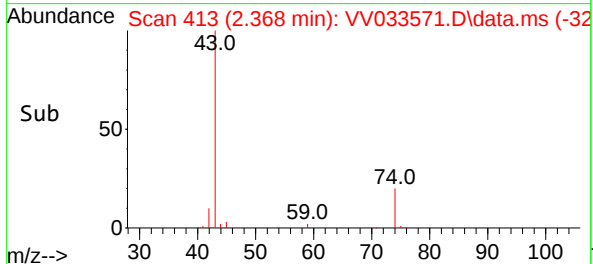
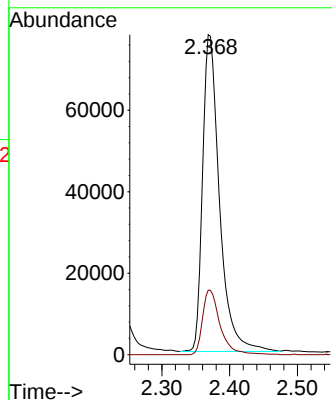
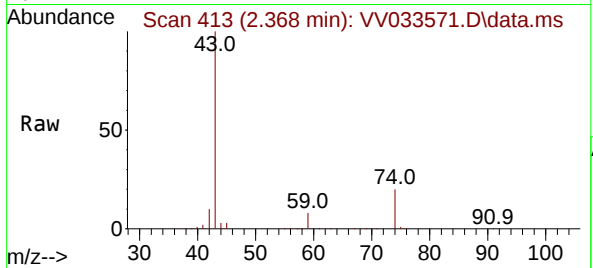




#15
Methyl Acetate
Concen: 50.652 ug/L
RT: 2.368 min Scan# 414
Delta R.T. -0.003 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

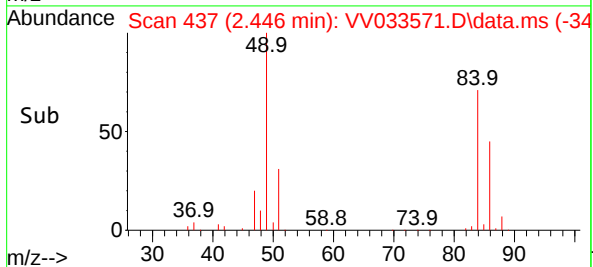
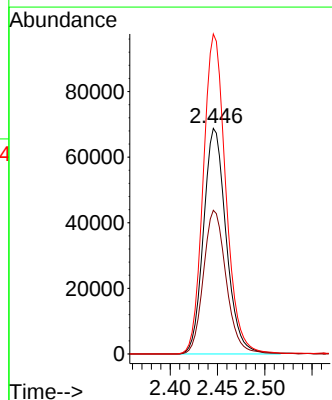
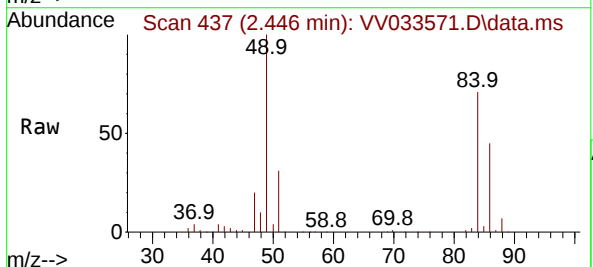
Instrument :
MSVOA_V
ClientSampleId :
YCH91MS

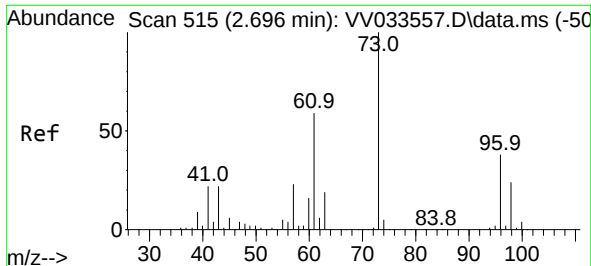
Tgt Ion: 43 Resp: 134699
Ion Ratio Lower Upper
43 100
74 21.1 0.0 0.0#



#16
Methylene chloride
Concen: 48.544 ug/L
RT: 2.446 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

Tgt Ion: 84 Resp: 114677
Ion Ratio Lower Upper
84 100
86 63.6 43.9 81.5
49 141.8 98.3 182.5





#17

trans-1,2-Dichloroethene

Concen: 48.543 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.003 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Instrument :

MSVOA_V

ClientSampleId :

YCH91MS

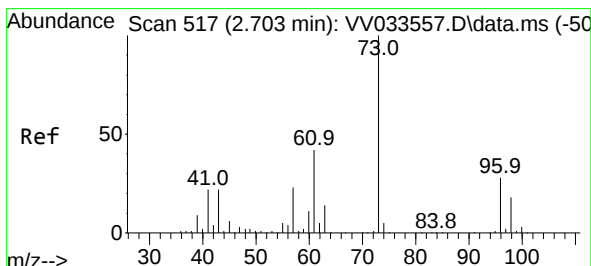
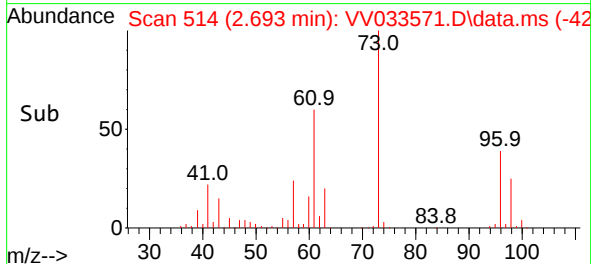
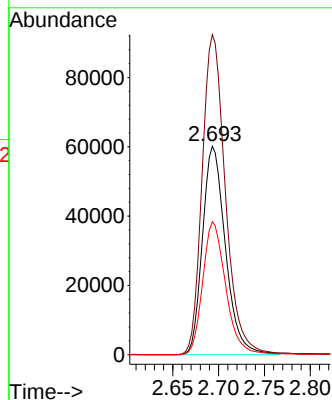
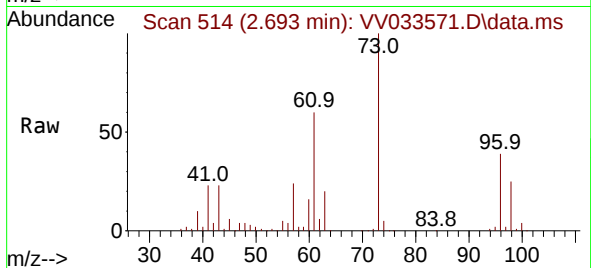
Tgt Ion: 96 Resp: 105003

Ion Ratio Lower Upper

96 100

61 153.5 108.4 201.4

98 63.8 43.8 81.4



#18

Methyl tert-butyl Ether

Concen: 50.890 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

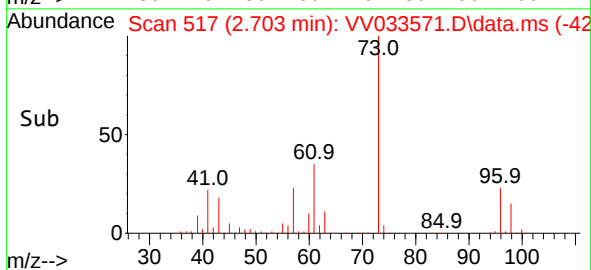
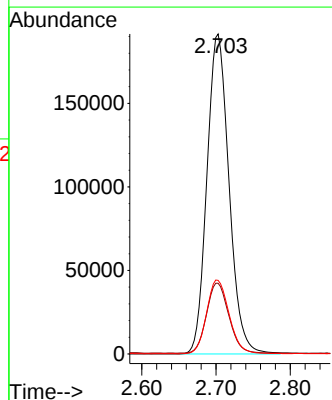
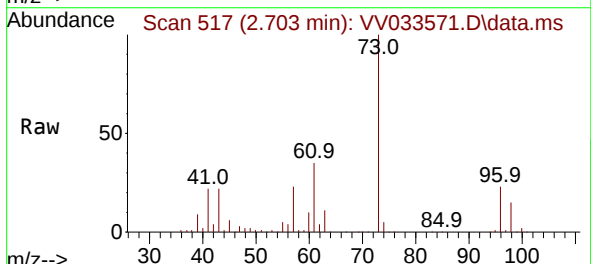
Tgt Ion: 73 Resp: 395905

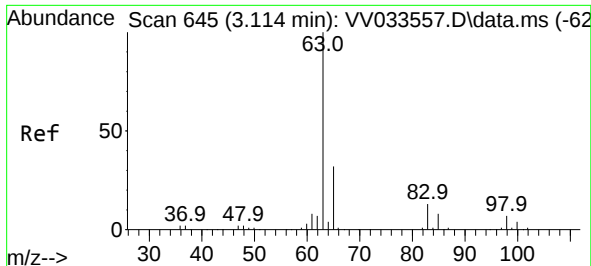
Ion Ratio Lower Upper

73 100

43 21.9 17.4 26.2

57 23.4 18.6 27.8

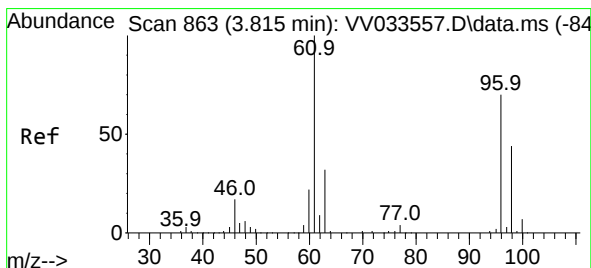
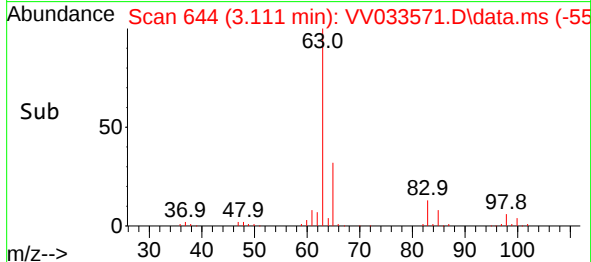
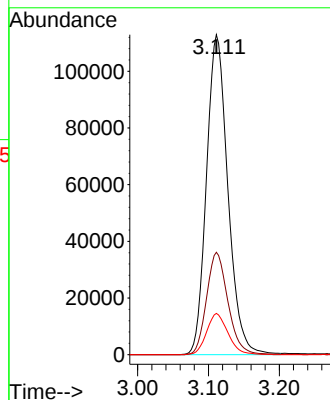
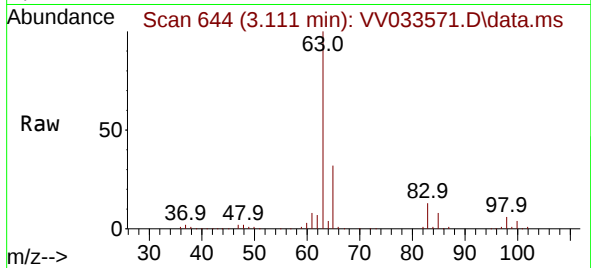




#19
1,1-Dichloroethane
Concen: 53.663 ug/L
RT: 3.111 min Scan# 64
Delta R.T. -0.003 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

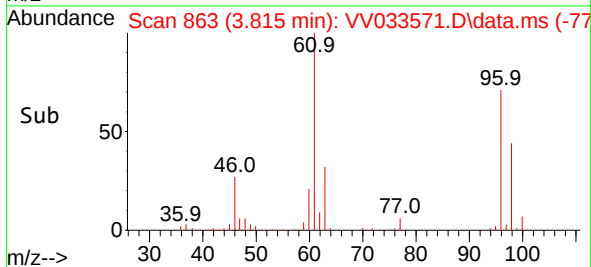
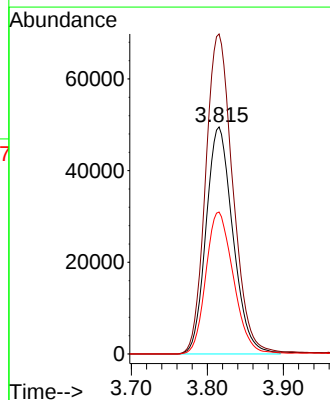
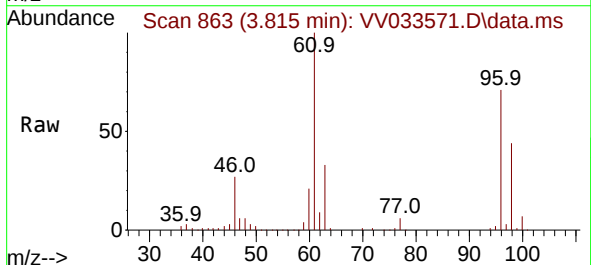
Instrument :
MSVOA_V
ClientSampleId :
YCH91MS

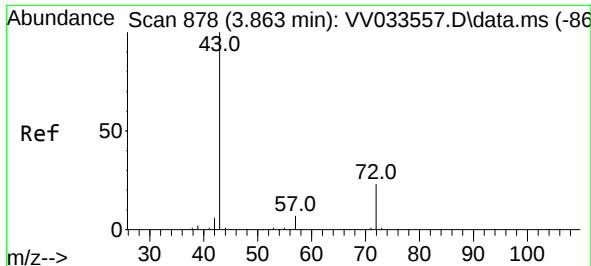
Tgt Ion: 63 Resp: 237311
Ion Ratio Lower Upper
63 100
65 32.0 22.4 41.6
83 12.9 8.9 16.5



#20
cis-1,2-Dichloroethene
Concen: 50.533 ug/L
RT: 3.815 min Scan# 863
Delta R.T. 0.000 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

Tgt Ion: 96 Resp: 121656
Ion Ratio Lower Upper
96 100
61 141.0 100.6 186.8
98 62.5 44.6 82.8

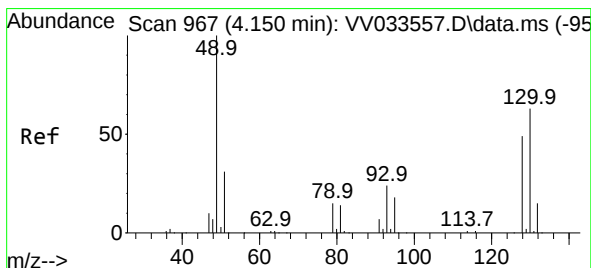
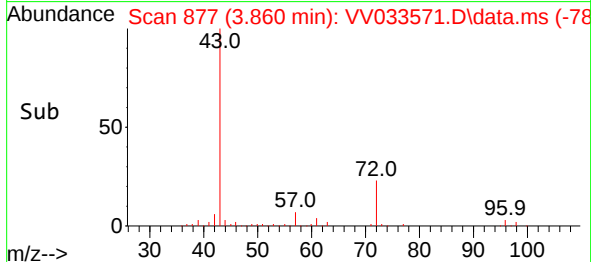
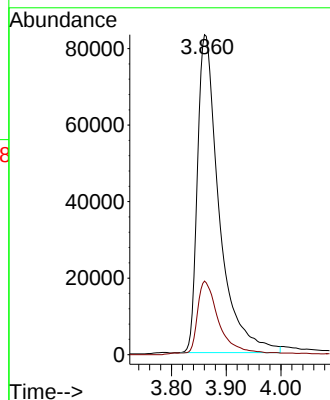
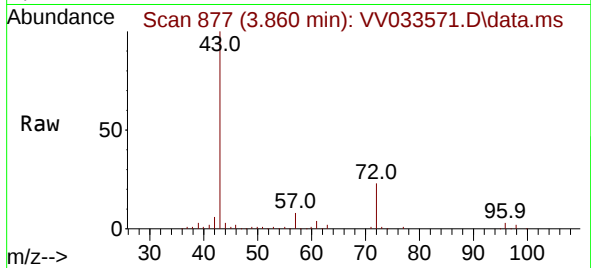




#22
2-Butanone
Concen: 116.246 ug/L
RT: 3.860 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

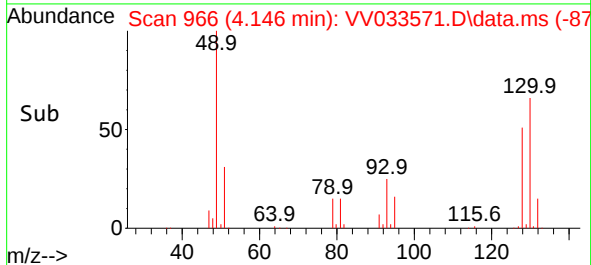
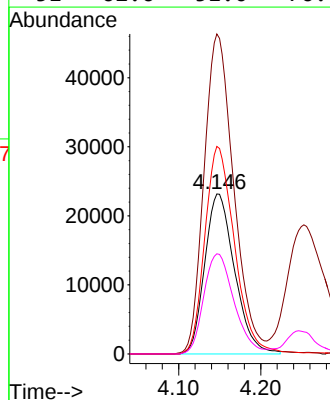
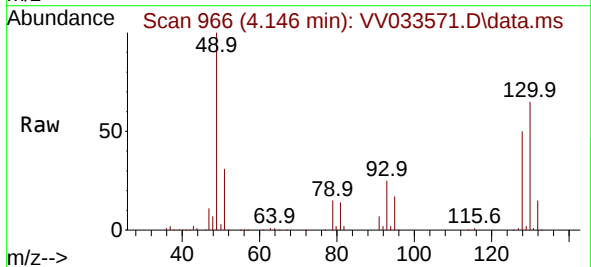
Instrument :
MSVOA_V
ClientSampleId :
YCH91MS

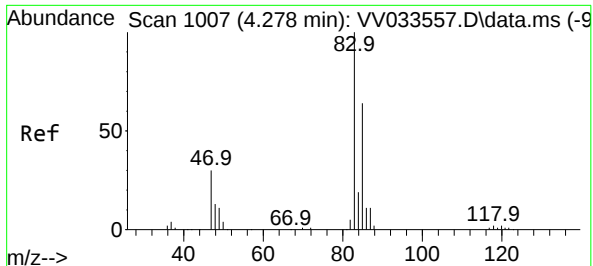
Tgt Ion: 43 Resp: 229604
Ion Ratio Lower Upper
43 100
72 21.7 11.9 35.5



#23
Bromochloromethane
Concen: 50.112 ug/L
RT: 4.146 min Scan# 966
Delta R.T. -0.003 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

Tgt Ion:128 Resp: 58608
Ion Ratio Lower Upper
128 100
49 200.0 143.9 267.2
130 129.7 90.6 168.2
51 62.6 51.0 76.6





#25

Chloroform

Concen: 50.792 ug/L

RT: 4.275 min Scan# 1007

Delta R.T. -0.003 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Instrument :

MSVOA_V

ClientSampleId :

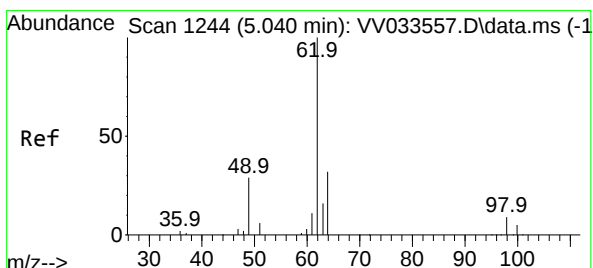
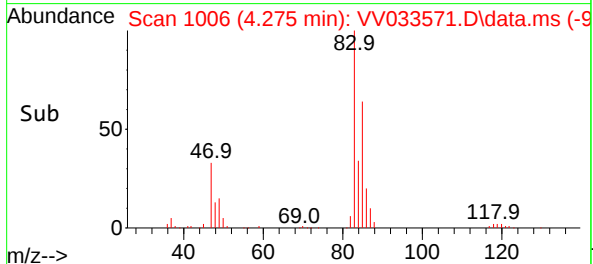
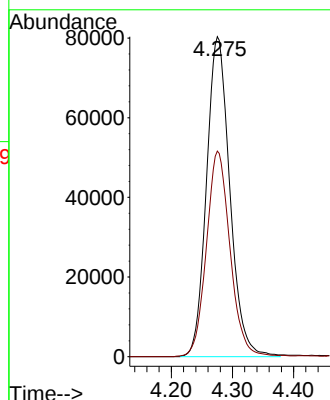
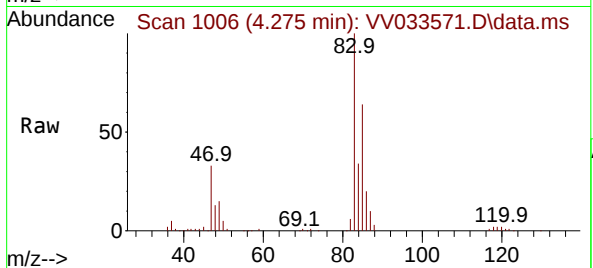
YCH91MS

Tgt Ion: 83 Resp: 212965

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.9



#27

1,2-Dichloroethane

Concen: 51.130 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VV033571.D

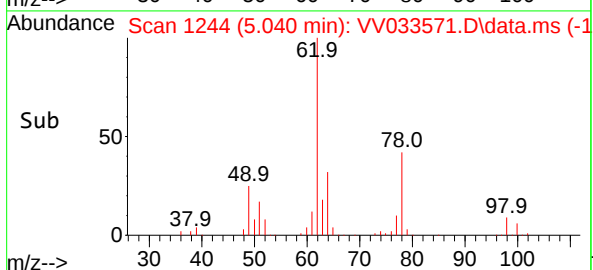
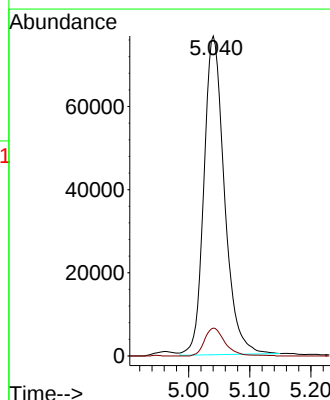
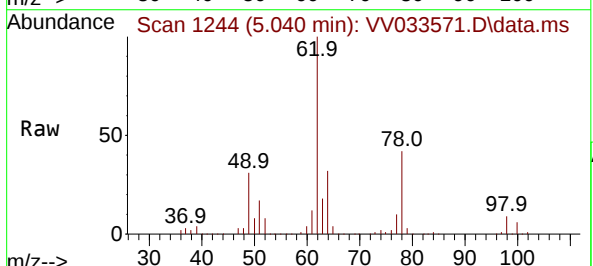
Acq: 10 Jan 2024 19:29

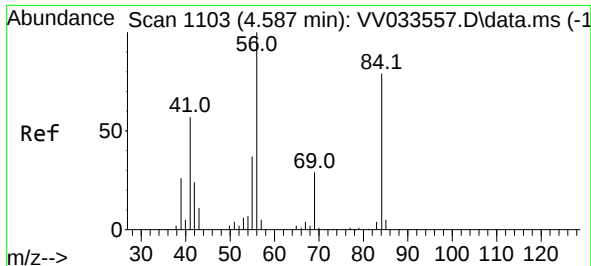
Tgt Ion: 62 Resp: 179063

Ion Ratio Lower Upper

62 100

98 8.7 6.8 10.2





#29

Cyclohexane

Concen: 49.910 ug/L

RT: 4.584 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Instrument :

MSVOA_V

ClientSampleId :

YCH91MS

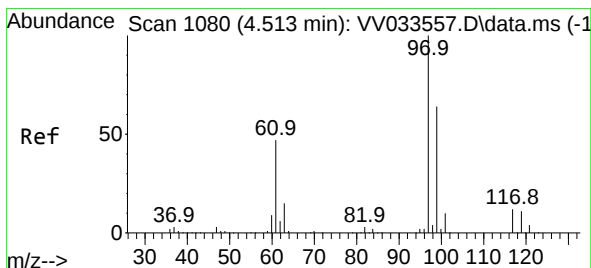
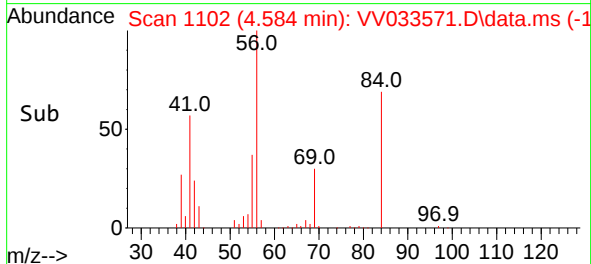
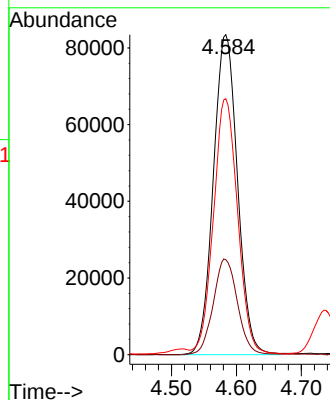
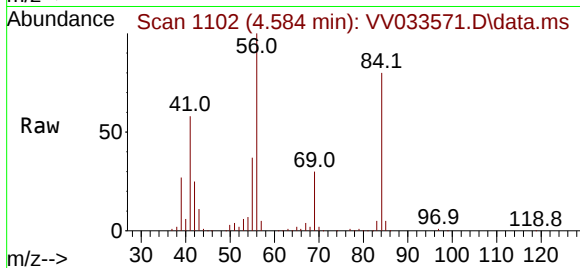
Tgt Ion: 56 Resp: 215659

Ion Ratio Lower Upper

56 100

69 29.9 23.8 35.6

84 79.4 63.8 95.6



#30

1,1,1-Trichloroethane

Concen: 50.728 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

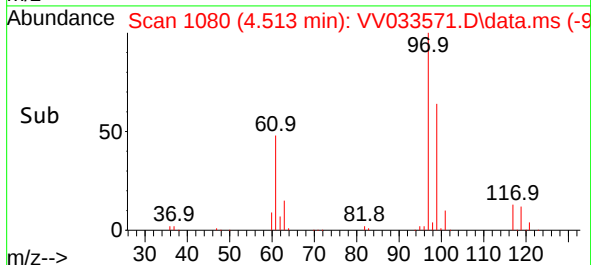
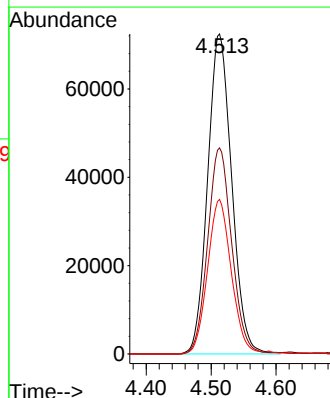
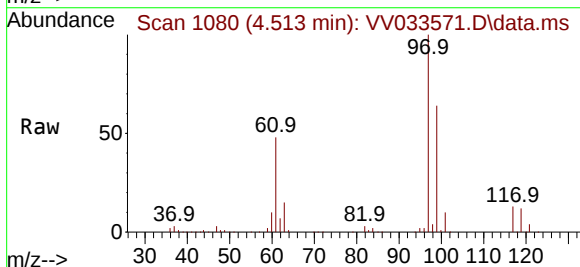
Tgt Ion: 97 Resp: 186586

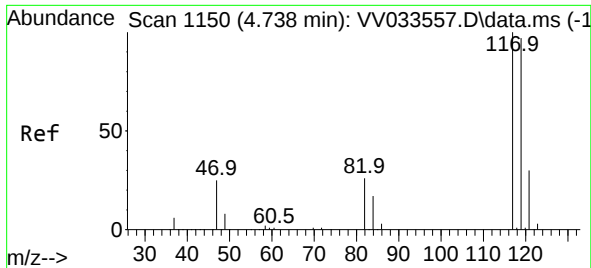
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 47.6 38.2 57.2

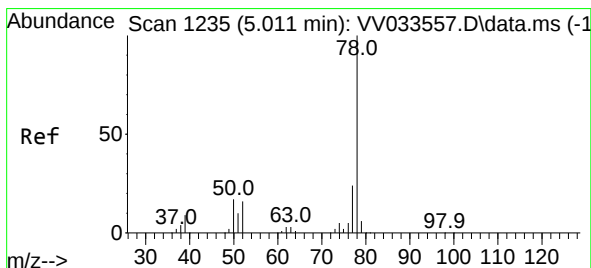
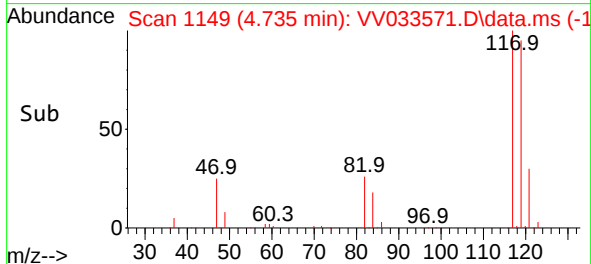
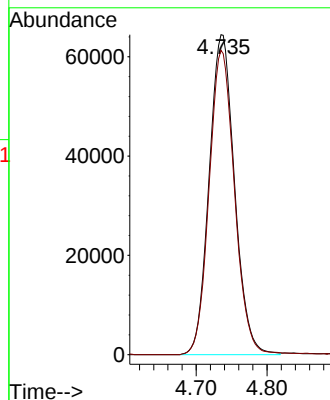
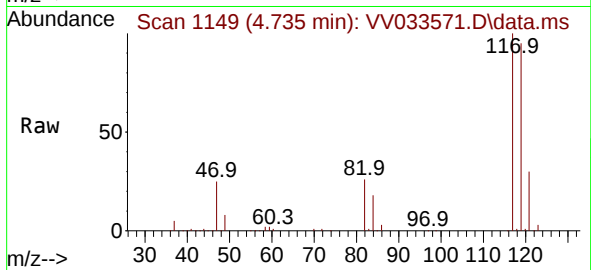




#31
Carbon tetrachloride
Concen: 51.194 ug/L
RT: 4.735 min Scan# 1150
Delta R.T. -0.003 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

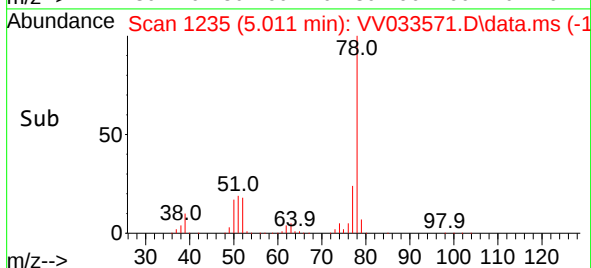
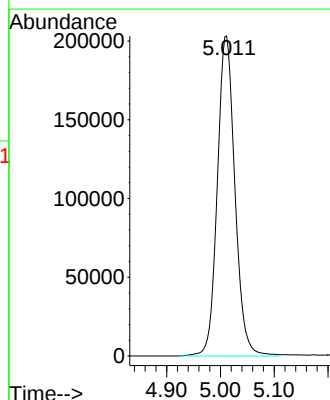
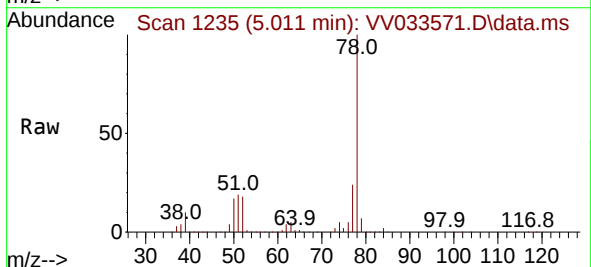
Instrument :
MSVOA_V
ClientSampleId :
YCH91MS

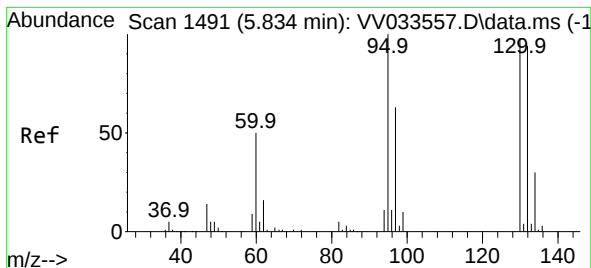
Tgt Ion:117 Resp: 160726
Ion Ratio Lower Upper
117 100
119 94.7 77.0 115.4



#33
Benzene
Concen: 51.270 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

Tgt Ion: 78 Resp: 461552





#34

Trichloroethene

Concen: 49.046 ug/L

RT: 5.831 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Instrument :

MSVOA_V

ClientSampleId :

YCH91MS

Tgt Ion: 95 Resp: 118440

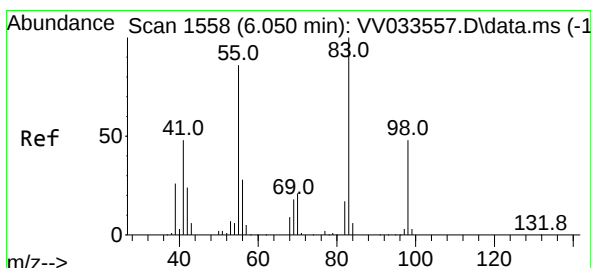
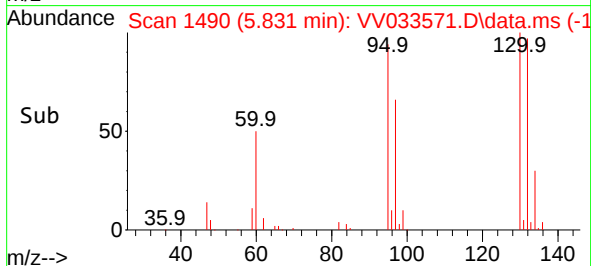
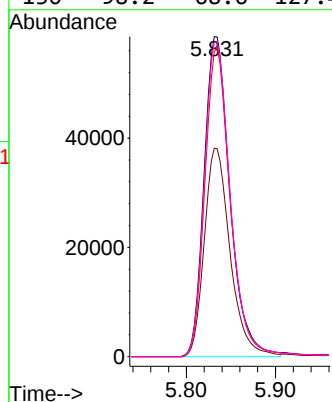
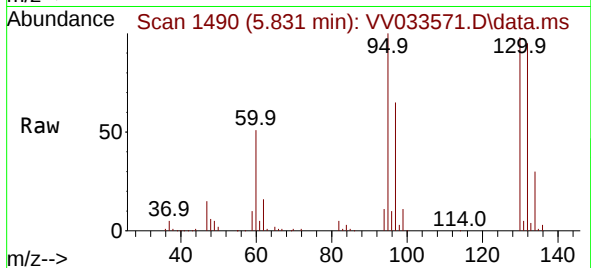
Ion Ratio Lower Upper

95 100

97 65.1 44.4 82.4

132 95.3 65.5 121.7

130 98.2 68.6 127.4



#35

Methylcyclohexane

Concen: 48.260 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

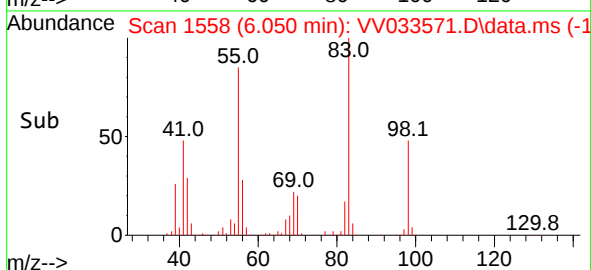
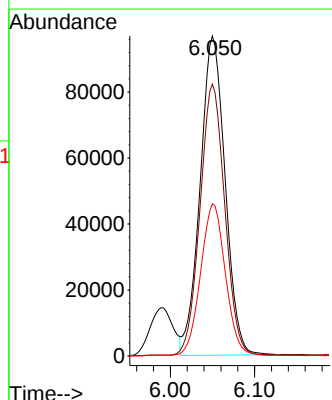
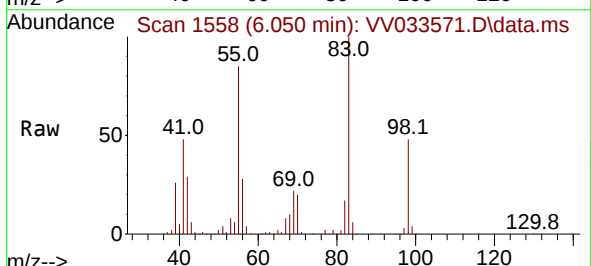
Tgt Ion: 83 Resp: 199444

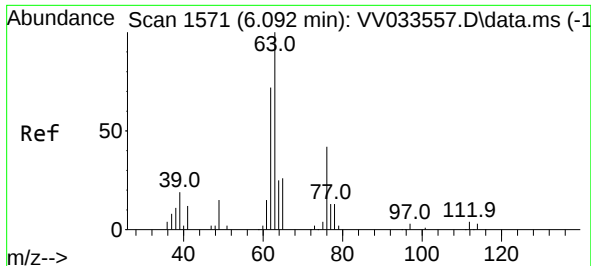
Ion Ratio Lower Upper

83 100

55 84.0 67.1 100.7

98 47.2 37.7 56.5





#37

1,2-Dichloropropane

Concen: 52.374 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Instrument :

MSVOA_V

ClientSampleId :

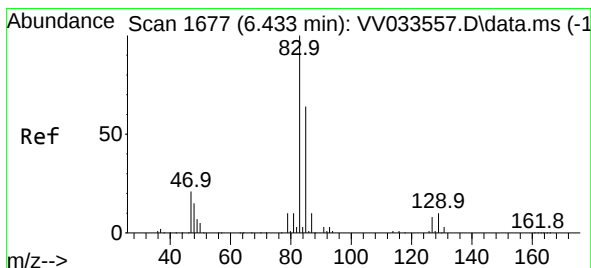
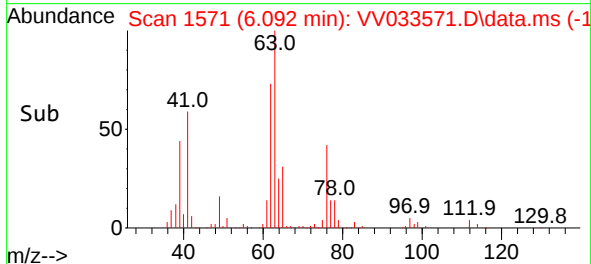
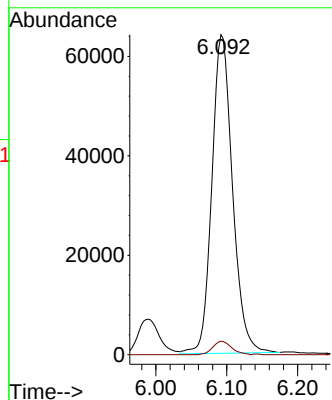
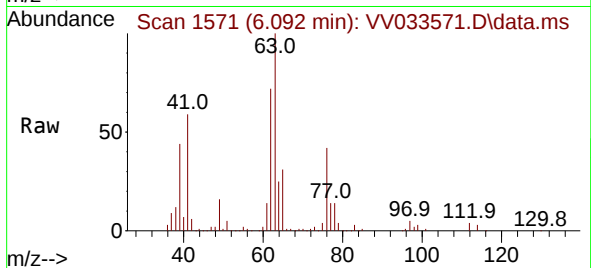
YCH91MS

Tgt Ion: 63 Resp: 129743

Ion Ratio Lower Upper

63 100

112 3.8 3.1 4.7



#38

Bromodichloromethane

Concen: 50.940 ug/L

RT: 6.433 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

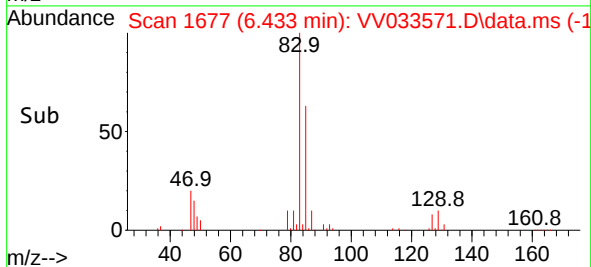
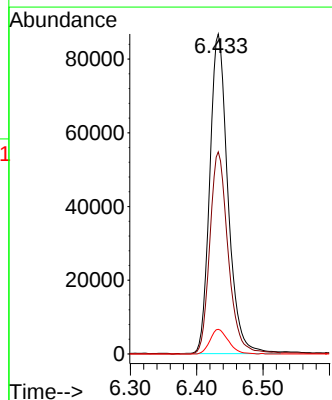
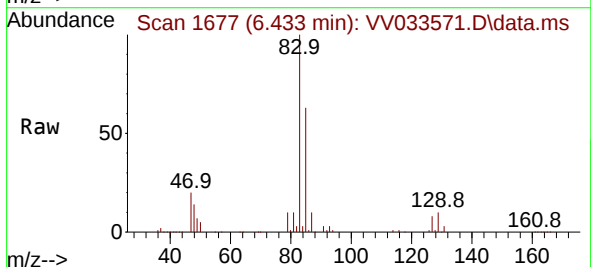
Tgt Ion: 83 Resp: 165083

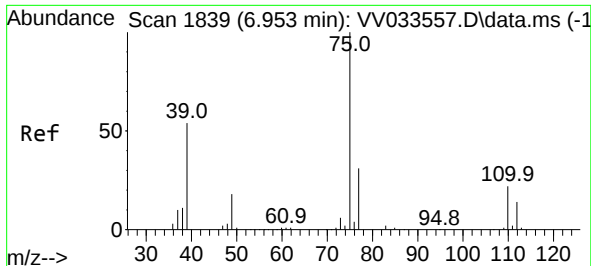
Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.7

127 7.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 51.165 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Instrument :

MSVOA_V

ClientSampleId :

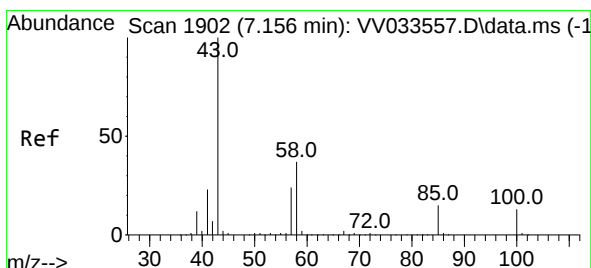
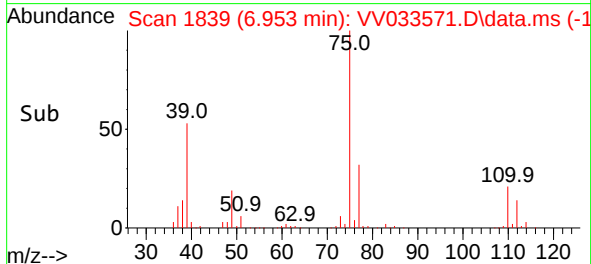
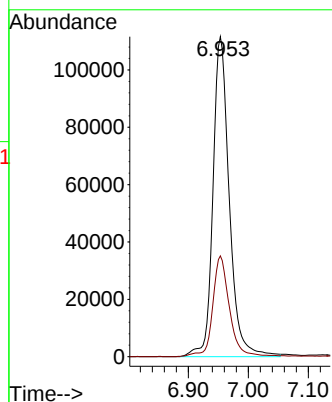
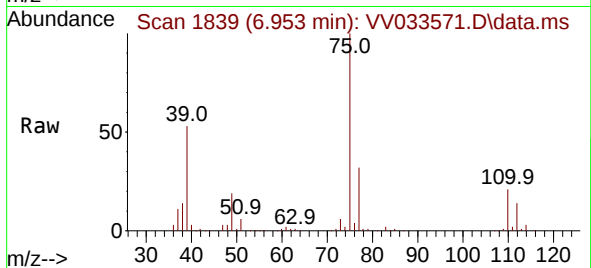
YCH91MS

Tgt Ion: 75 Resp: 211660

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 105.386 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

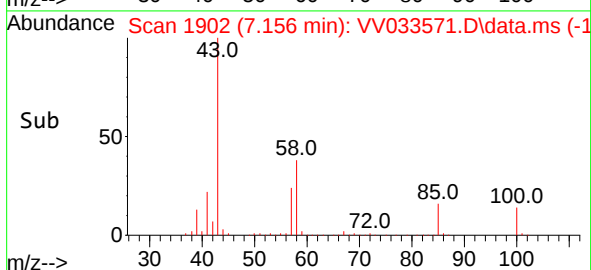
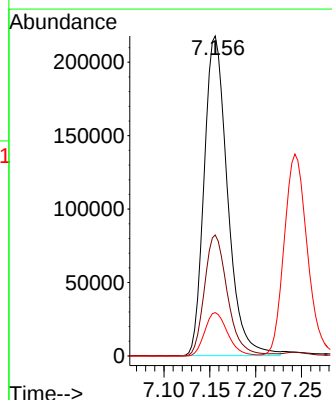
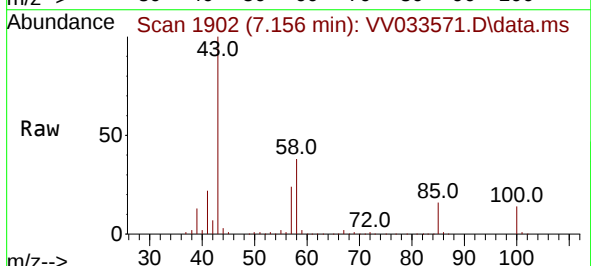
Tgt Ion: 43 Resp: 386836

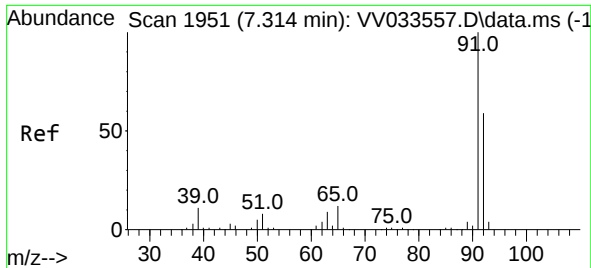
Ion Ratio Lower Upper

43 100

58 37.3 29.6 44.4

100 13.3 10.6 16.0





#42

Toluene

Concen: 50.516 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Instrument :

MSVOA_V

ClientSampleId :

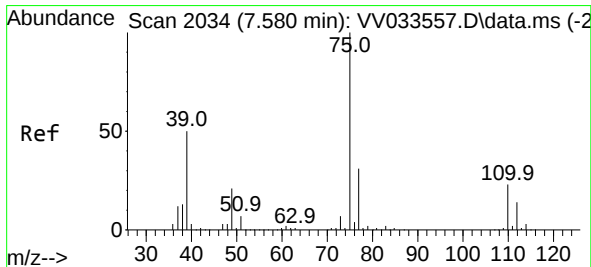
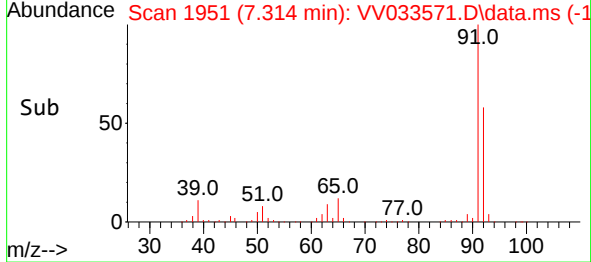
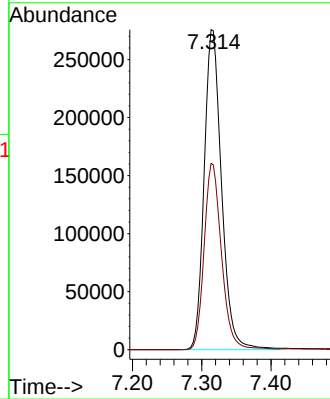
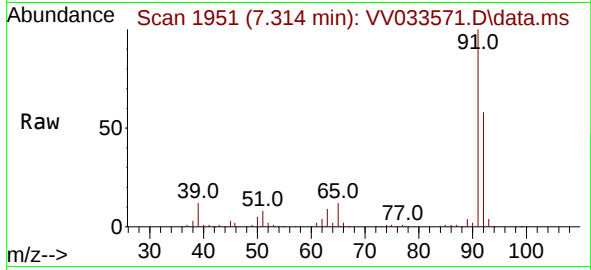
YCH91MS

Tgt Ion: 91 Resp: 480721

Ion Ratio Lower Upper

91 100

92 58.2 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 51.216 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033571.D

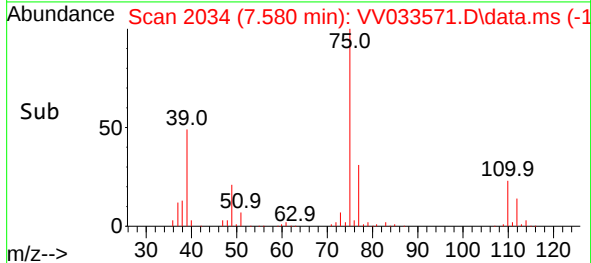
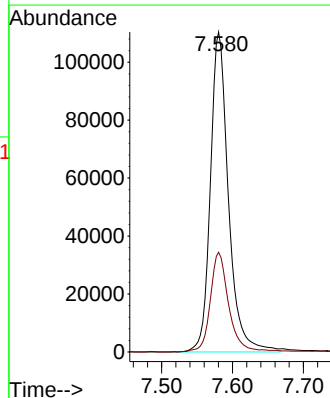
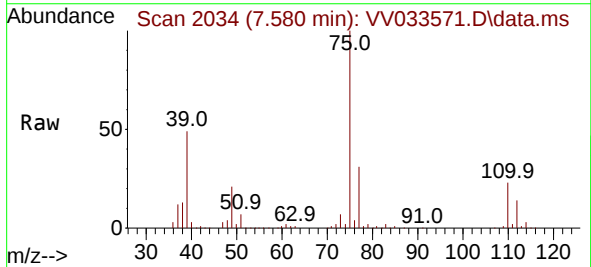
Acq: 10 Jan 2024 19:29

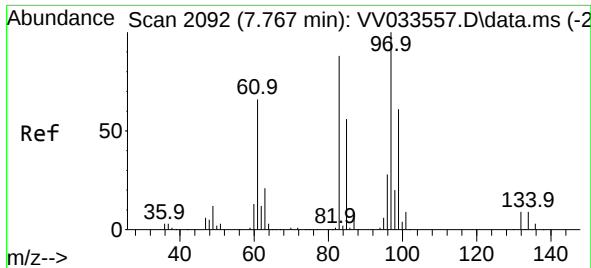
Tgt Ion: 75 Resp: 195241

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.0



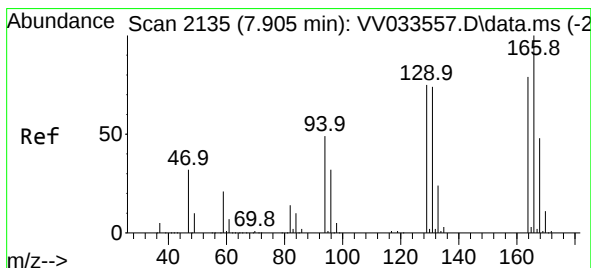
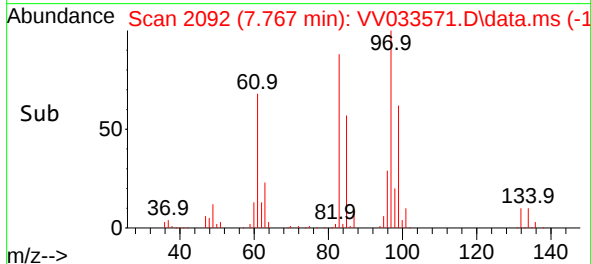
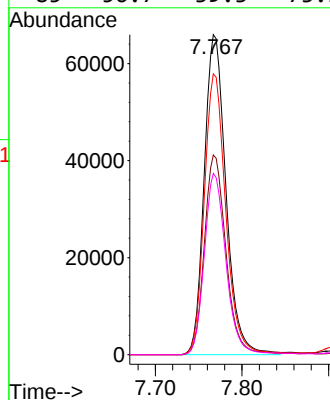
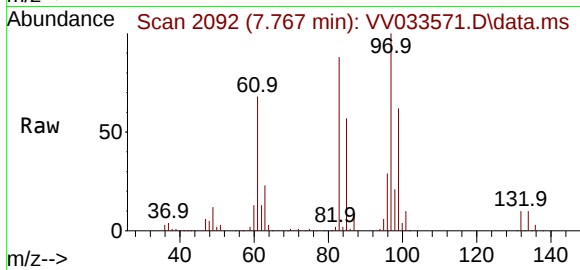


#45
1,1,2-Trichloroethane
Concen: 51.235 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

Instrument :
MSVOA_V
ClientSampleId :
YCH91MS

Tgt Ion: 97 Resp: 115160

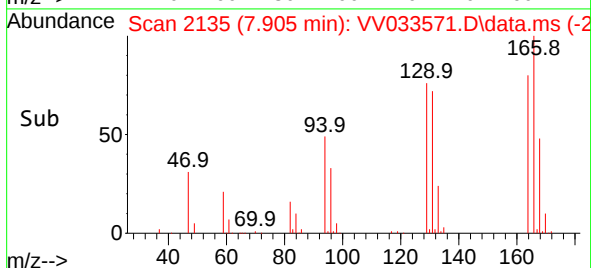
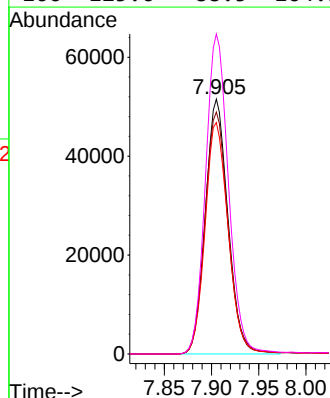
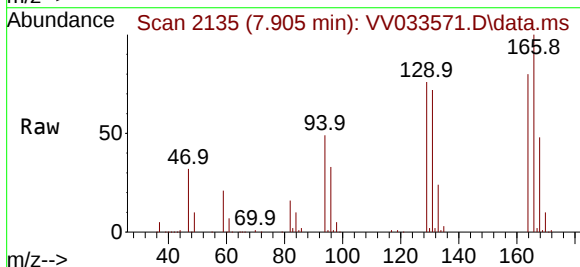
Ion	Ratio	Lower	Upper
97	100		
99	62.4	42.8	79.6
83	87.8	61.2	113.8
85	56.7	39.3	73.1

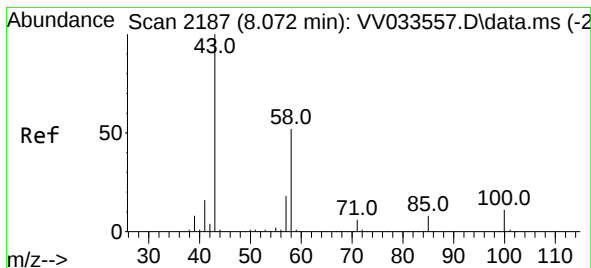


#46
Tetrachloroethene
Concen: 48.608 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

Tgt Ion: 164 Resp: 86097

Ion	Ratio	Lower	Upper
164	100		
129	95.0	66.1	122.7
131	90.8	65.9	122.5
166	125.6	88.5	164.3





#48

2-Hexanone

Concen: 97.770 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Instrument :

MSVOA_V

ClientSampleId :

YCH91MS

Tgt Ion: 43 Resp: 285960

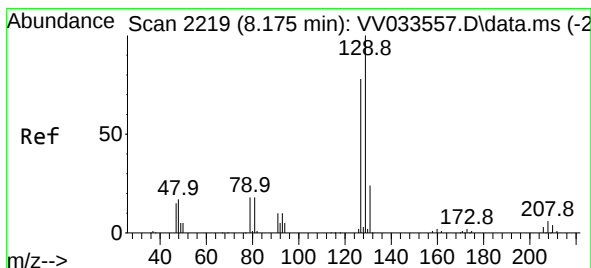
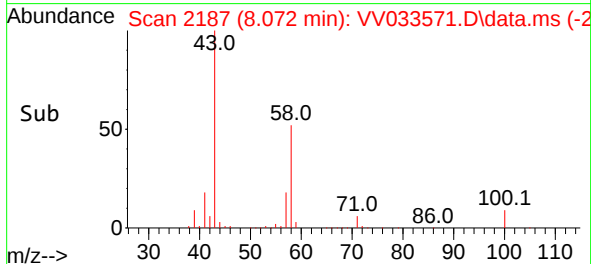
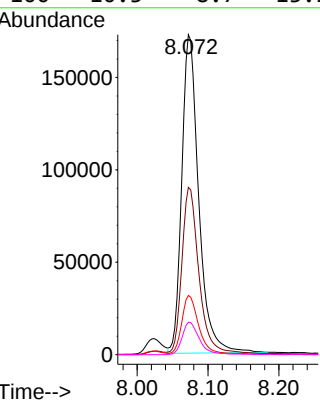
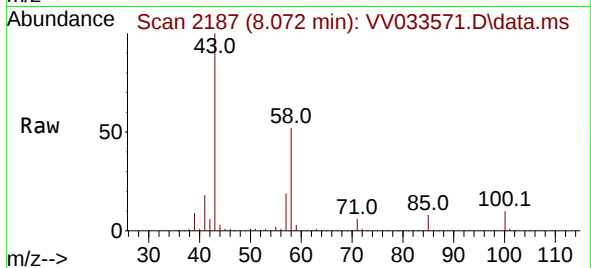
Ion Ratio Lower Upper

43 100

58 52.7 42.3 63.5

57 18.6 14.2 21.2

100 10.3 8.7 13.1



#49

Dibromochloromethane

Concen: 49.834 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.000 min

Lab File: VV033571.D

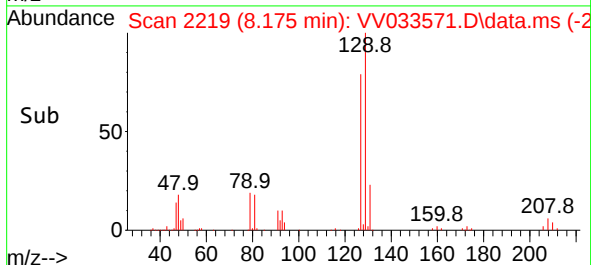
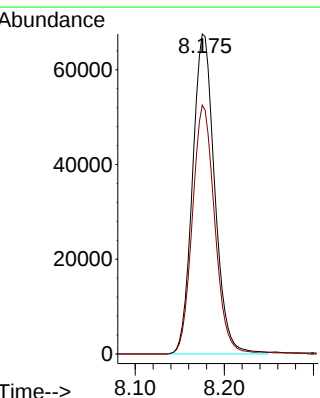
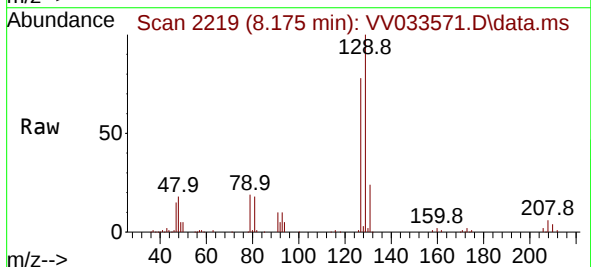
Acq: 10 Jan 2024 19:29

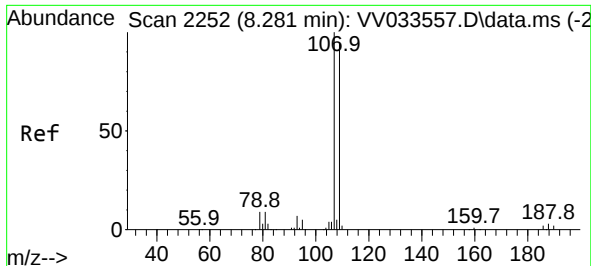
Tgt Ion: 129 Resp: 116661

Ion Ratio Lower Upper

129 100

127 77.8 54.5 101.3





#50

1,2-Dibromoethane

Concen: 51.479 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Instrument :

MSVOA_V

ClientSampleId :

YCH91MS

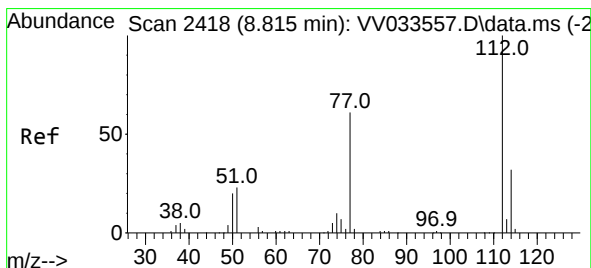
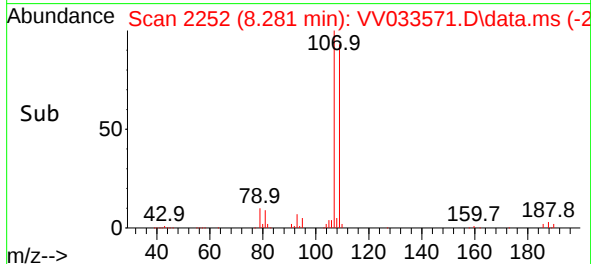
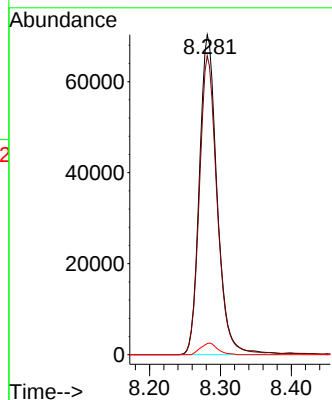
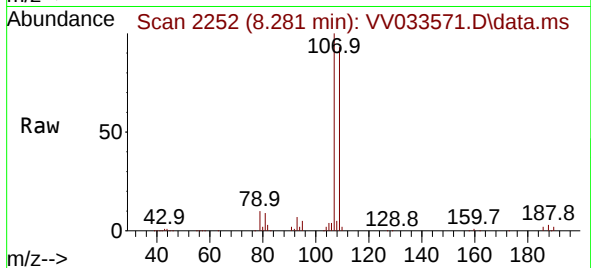
Tgt Ion:107 Resp: 122280

Ion Ratio Lower Upper

107 100

109 93.4 66.4 123.4

188 3.5 2.7 4.1



#51

Chlorobenzene

Concen: 50.064 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

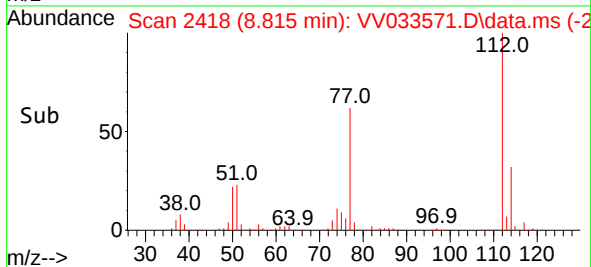
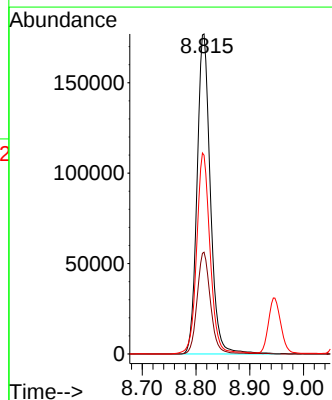
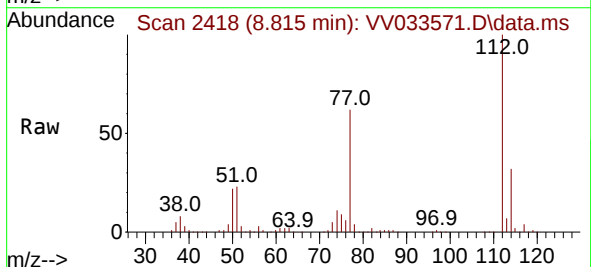
Tgt Ion:112 Resp: 303474

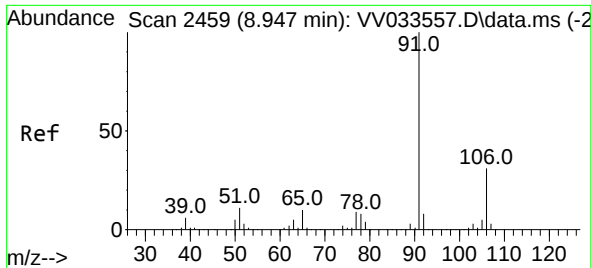
Ion Ratio Lower Upper

112 100

114 31.8 22.5 41.7

77 62.1 49.4 74.0

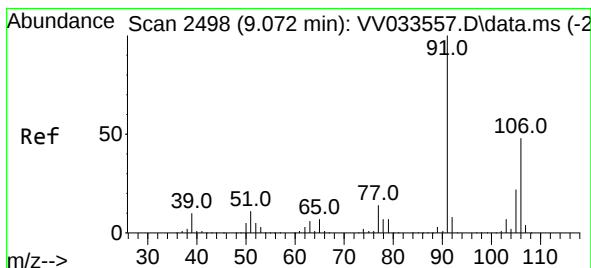
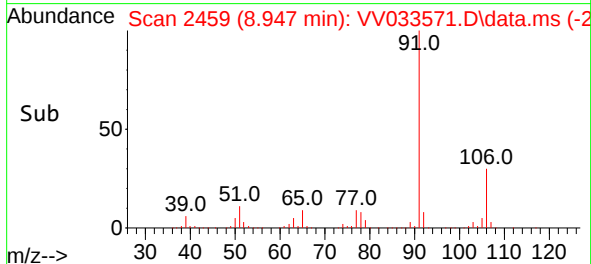
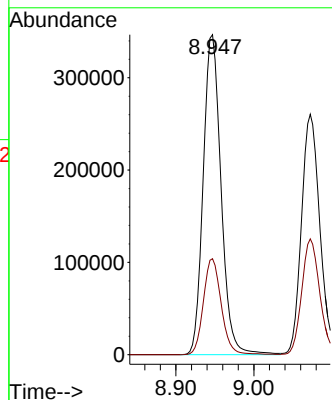
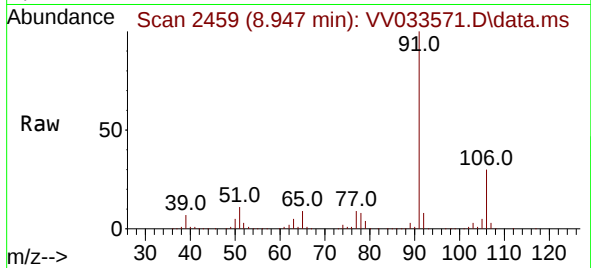




#52
Ethylbenzene
Concen: 50.179 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

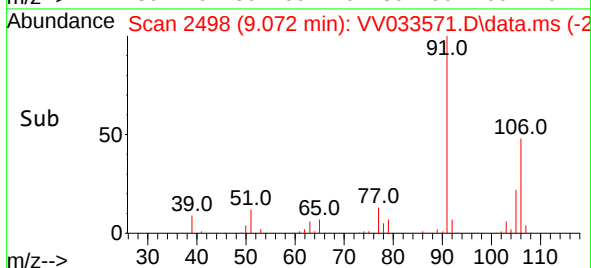
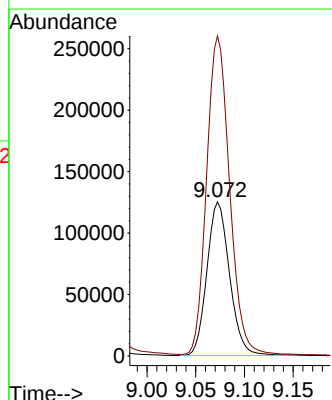
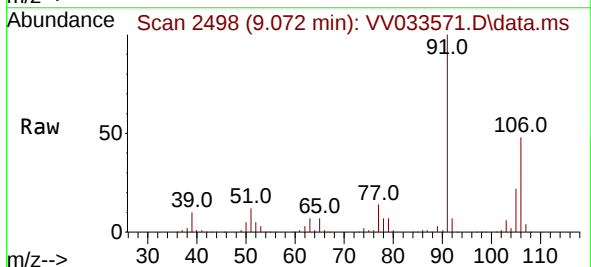
Instrument :
MSVOA_V
ClientSampleId :
YCH91MS

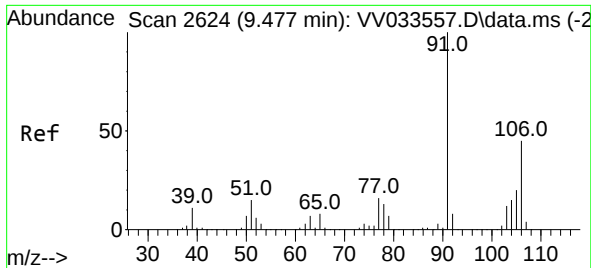
Tgt Ion: 91 Resp: 553083
Ion Ratio Lower Upper
91 100
106 30.0 21.5 39.9



#53
m,p-Xylene
Concen: 49.487 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

Tgt Ion: 106 Resp: 201371
Ion Ratio Lower Upper
106 100
91 207.7 146.1 271.3

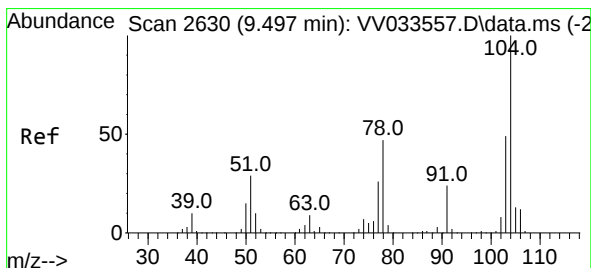
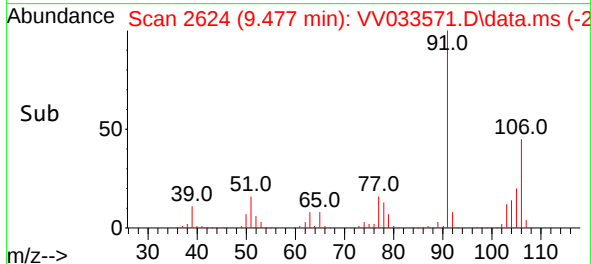
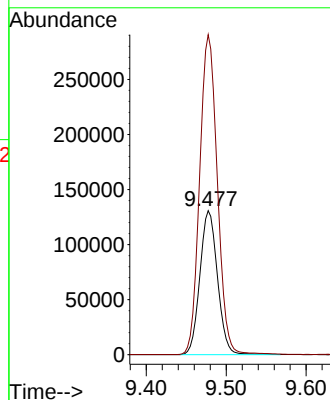
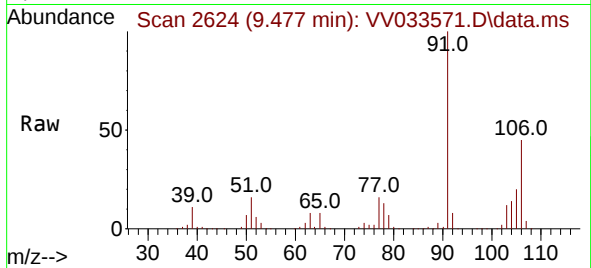




#54
o-Xylene
Concen: 49.823 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

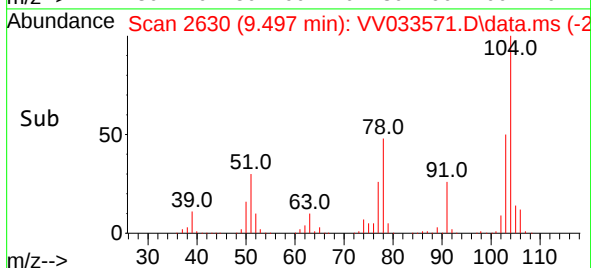
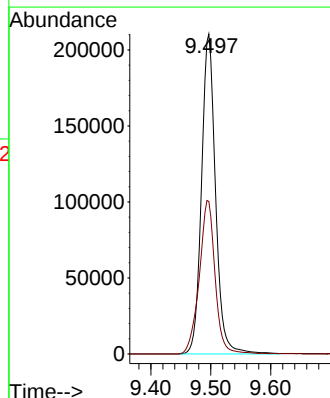
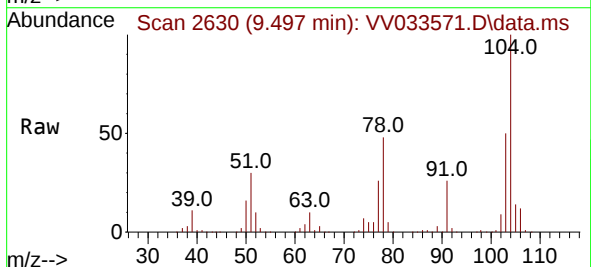
Instrument :
MSVOA_V
ClientSampleId :
YCH91MS

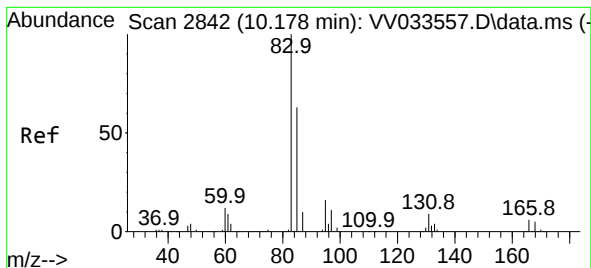
Tgt Ion:106 Resp: 200711
Ion Ratio Lower Upper
106 100
91 222.1 155.2 288.2



#55
Styrene
Concen: 49.444 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

Tgt Ion:104 Resp: 343893
Ion Ratio Lower Upper
104 100
78 47.6 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 51.731 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Instrument :

MSVOA_V

ClientSampleId :

YCH91MS

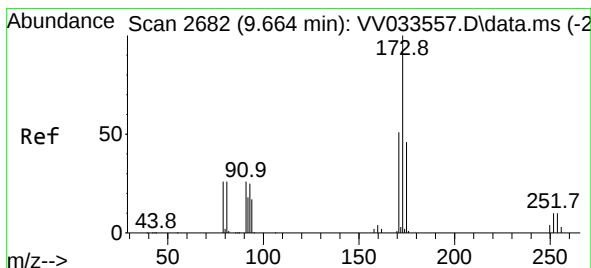
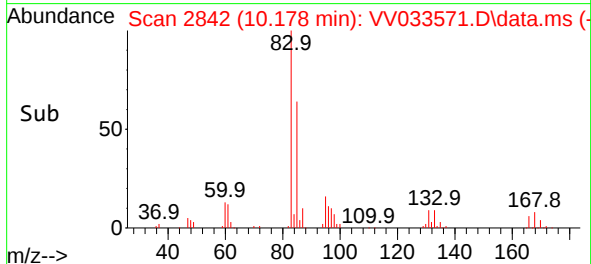
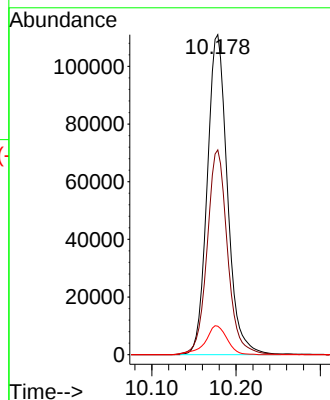
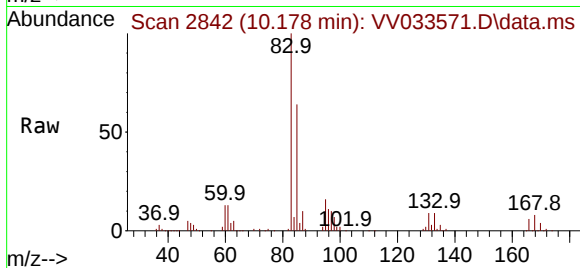
Tgt Ion: 83 Resp: 185047

Ion Ratio Lower Upper

83 100

85 64.0 44.9 83.5

131 8.9 7.5 11.3



#59

Bromoform

Concen: 52.698 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

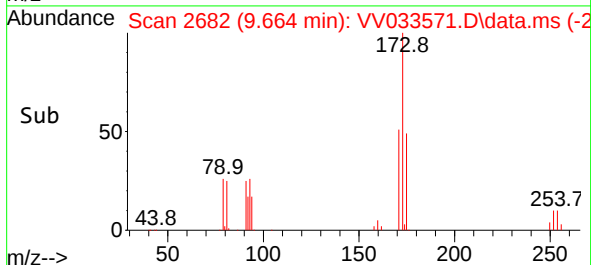
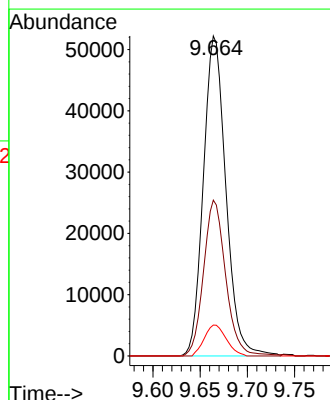
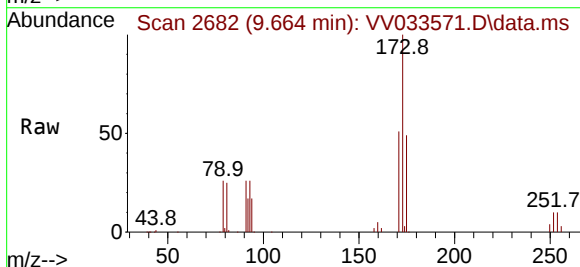
Tgt Ion: 173 Resp: 86600

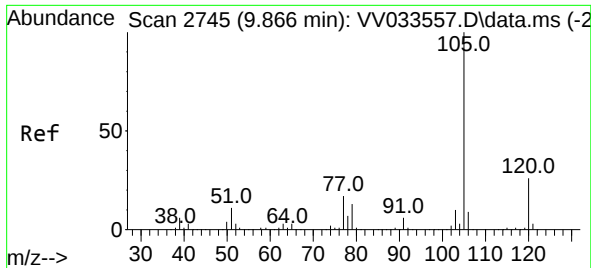
Ion Ratio Lower Upper

173 100

175 47.7 37.2 55.8

254 9.4 7.4 11.0

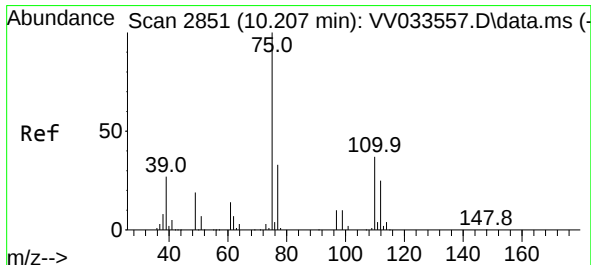
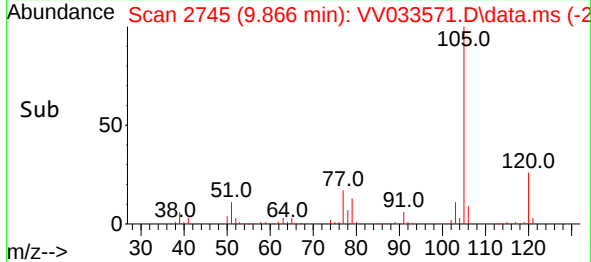
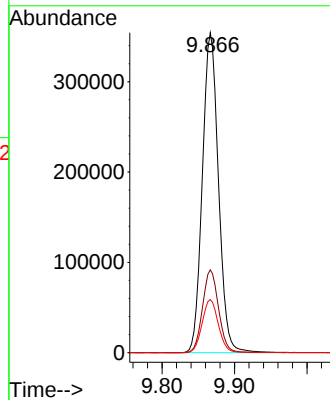
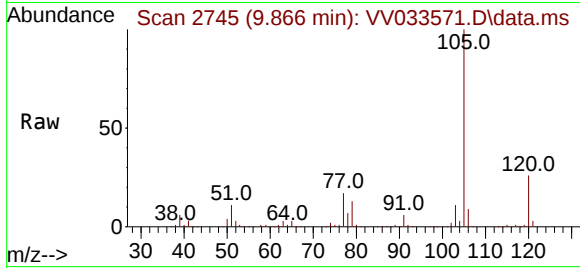




#60
Isopropylbenzene
Concen: 52.271 ug/L
RT: 9.866 min Scan# 2745
Delta R.T. 0.000 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

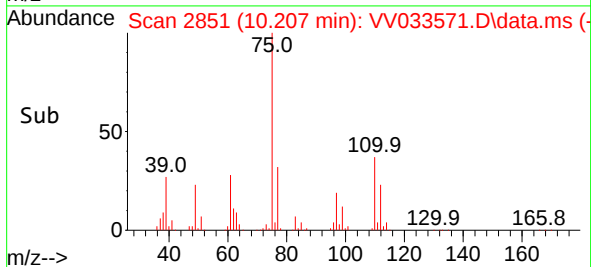
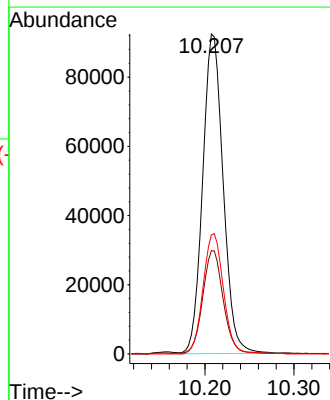
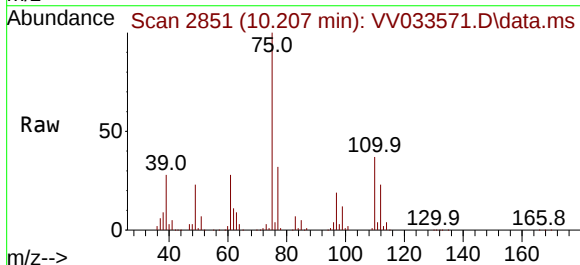
Instrument :
MSVOA_V
ClientSampleId :
YCH91MS

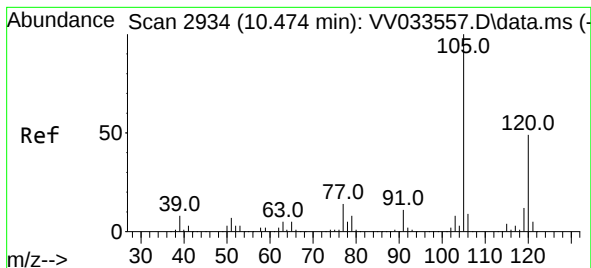
Tgt Ion:105 Resp: 546816
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0
77 16.8 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 53.718 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

Tgt Ion: 75 Resp: 147404
Ion Ratio Lower Upper
75 100
77 32.2 25.3 37.9
110 37.5 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 51.299 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Instrument :

MSVOA_V

ClientSampleId :

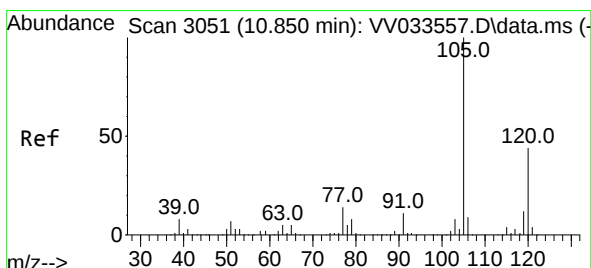
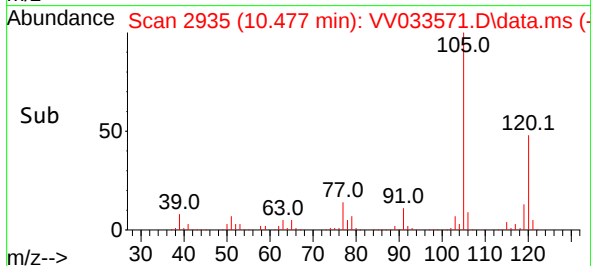
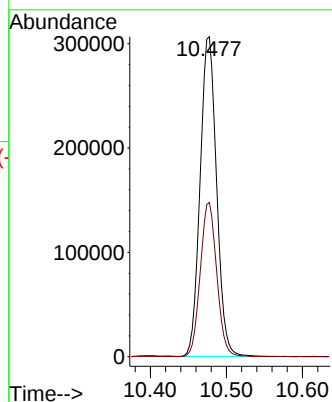
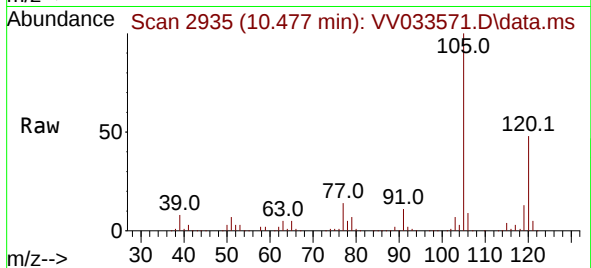
YCH91MS

Tgt Ion:105 Resp: 460453

Ion Ratio Lower Upper

105 100

120 48.2 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 51.986 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV033571.D

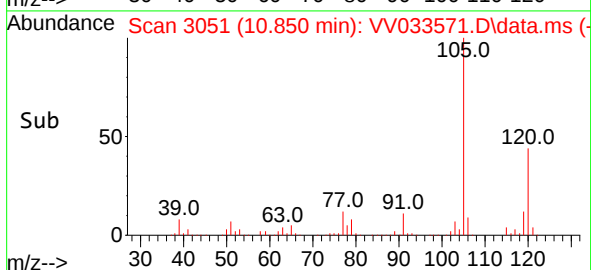
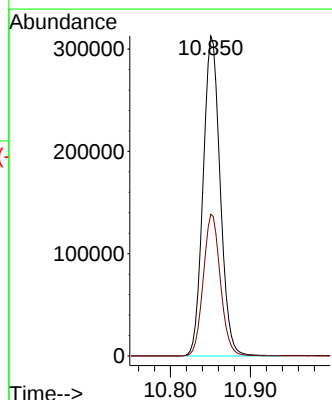
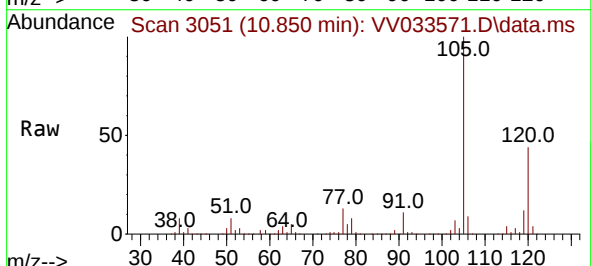
Acq: 10 Jan 2024 19:29

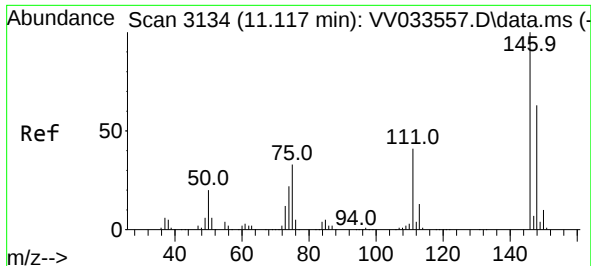
Tgt Ion:105 Resp: 464929

Ion Ratio Lower Upper

105 100

120 44.5 35.4 53.0

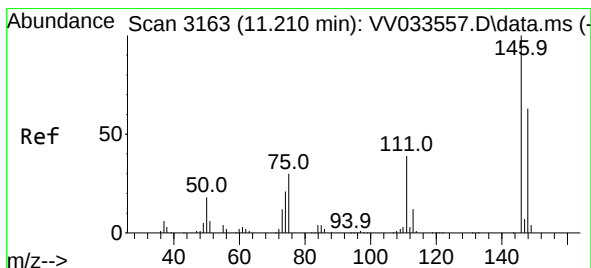
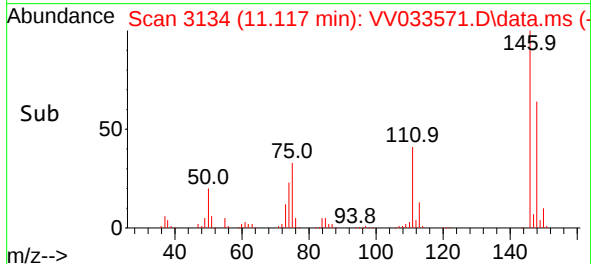
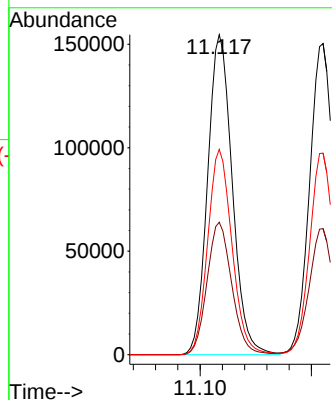
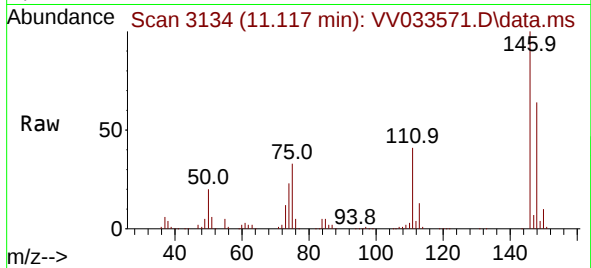




#64
 1,3-Dichlorobenzene
 Concen: 50.317 ug/L
 RT: 11.117 min Scan# 3134
 Delta R.T. 0.000 min
 Lab File: VV033571.D
 Acq: 10 Jan 2024 19:29

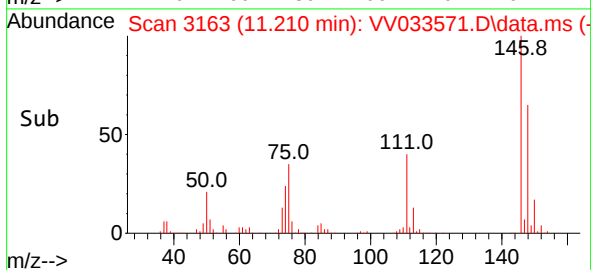
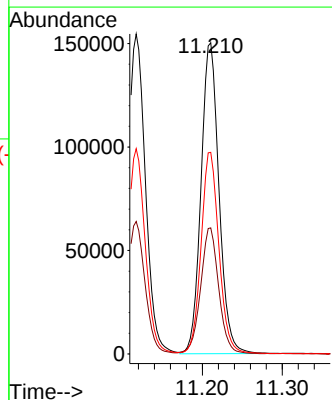
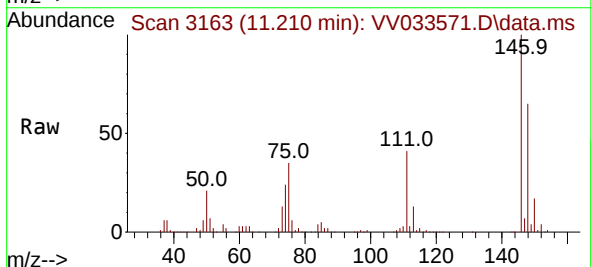
Instrument :
 MSVOA_V
 ClientSampleId :
 YCH91MS

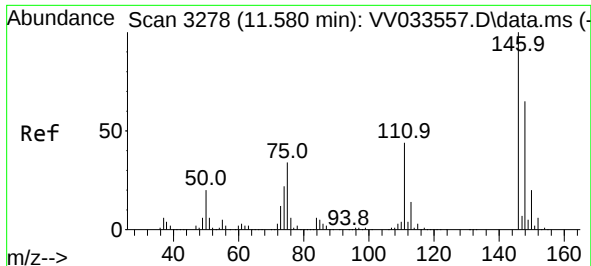
Tgt Ion:146 Resp: 237765
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.0 53.8
 148 64.1 43.9 81.5



#65
 1,4-Dichlorobenzene
 Concen: 49.663 ug/L
 RT: 11.210 min Scan# 3163
 Delta R.T. 0.000 min
 Lab File: VV033571.D
 Acq: 10 Jan 2024 19:29

Tgt Ion:146 Resp: 235308
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.7 51.5
 148 64.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 50.538 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Instrument :

MSVOA_V

ClientSampleId :

YCH91MS

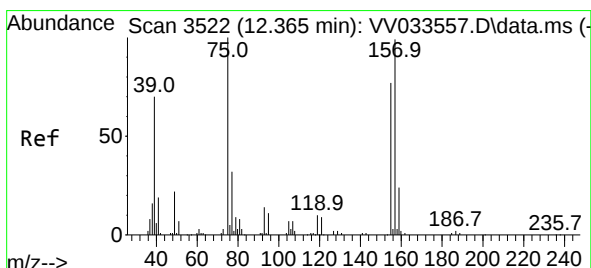
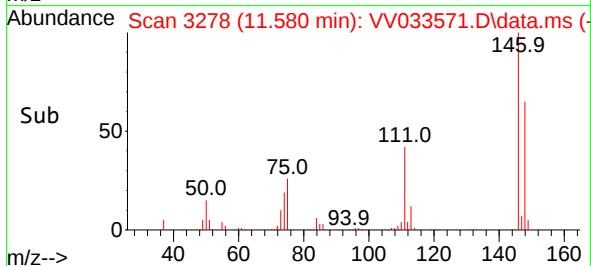
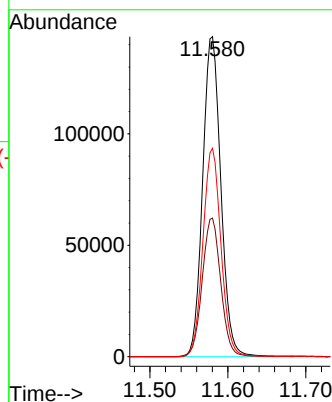
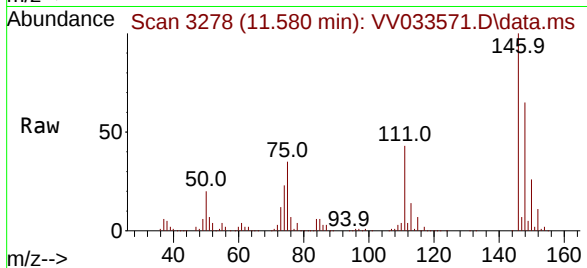
Tgt Ion:146 Resp: 233340

Ion Ratio Lower Upper

146 100

111 43.3 35.4 53.0

148 65.2 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 53.449 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

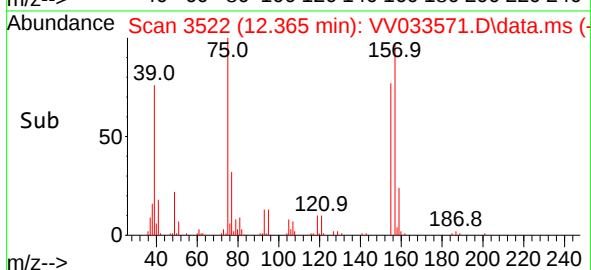
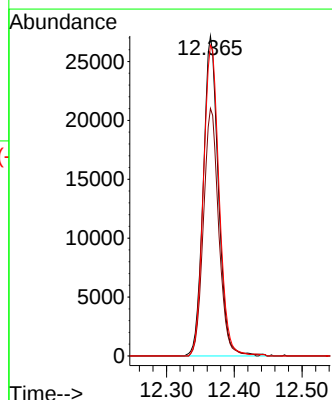
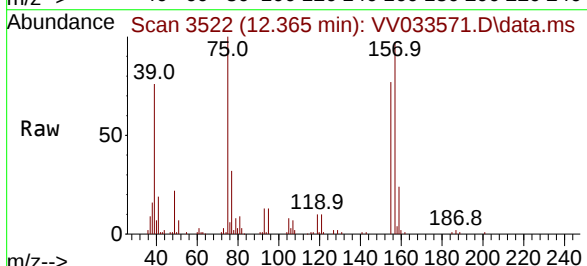
Tgt Ion: 75 Resp: 42324

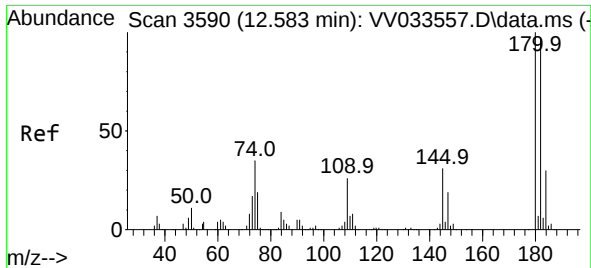
Ion Ratio Lower Upper

75 100

155 77.4 61.6 92.4

157 97.1 79.2 118.8

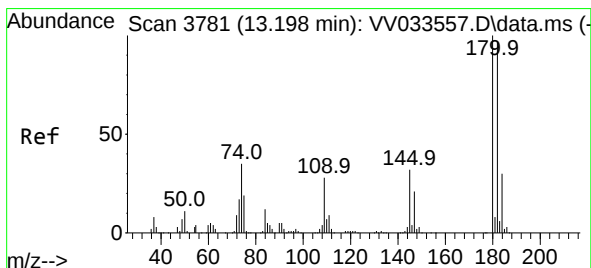
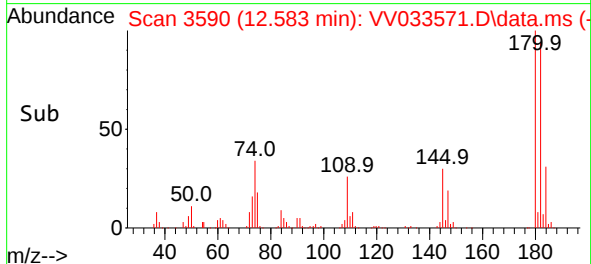
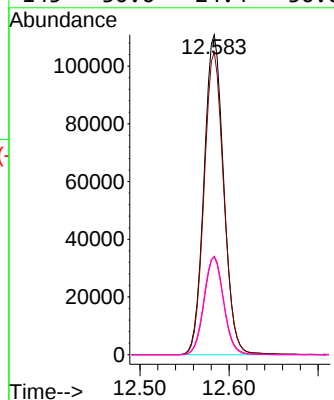
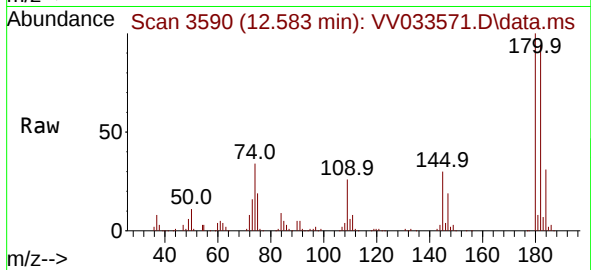




#69
1,3,5-Trichlorobenzene
Concen: 48.651 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.000 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

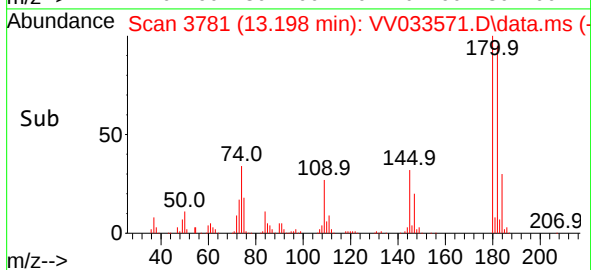
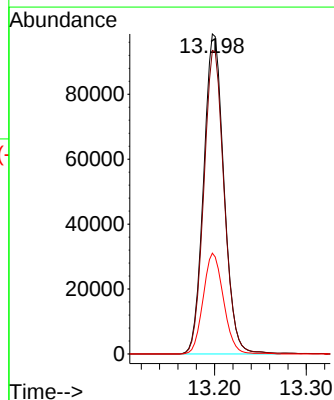
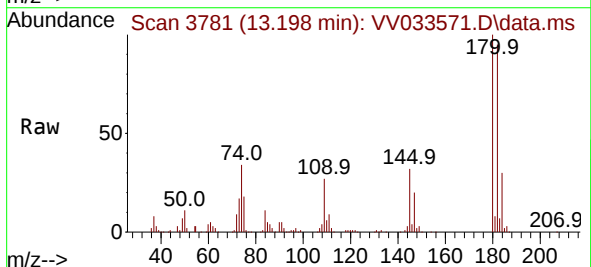
Instrument :
MSVOA_V
ClientSampleId :
YCH91MS

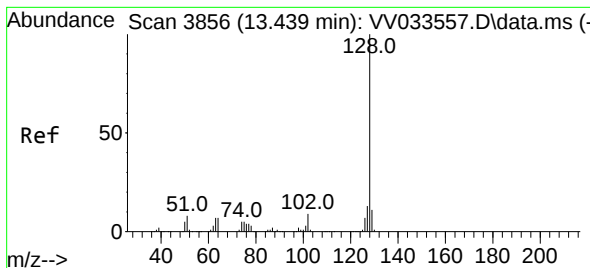
Tgt Ion:	180	Resp:	169882
Ion Ratio	Lower	Upper	
180	100		
182	94.8	76.2	114.2
184	30.6	23.9	35.9
145	30.6	24.4	36.6



#70
1,2,4-trichlorobenzene
Concen: 47.905 ug/L
RT: 13.198 min Scan# 3781
Delta R.T. 0.000 min
Lab File: VV033571.D
Acq: 10 Jan 2024 19:29

Tgt Ion:	180	Resp:	151827
Ion Ratio	Lower	Upper	
180	100		
182	95.0	76.3	114.5
145	31.4	25.4	38.0





#71

Naphthalene

Concen: 45.339 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Instrument :

MSVOA_V

ClientSampleId :

YCH91MS

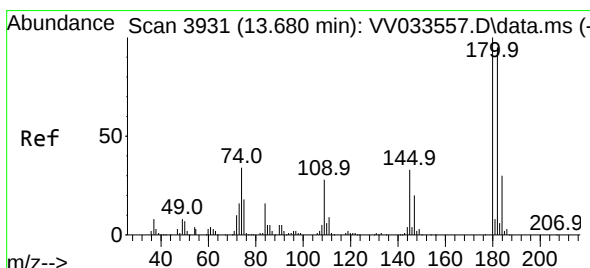
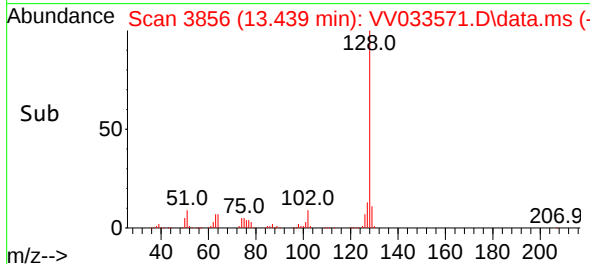
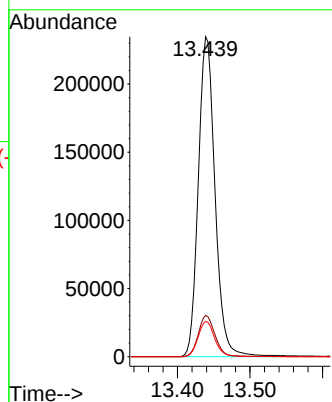
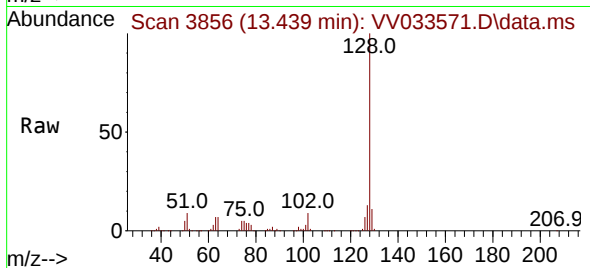
Tgt Ion:128 Resp: 375486

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 49.238 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033571.D

Acq: 10 Jan 2024 19:29

Tgt Ion:180 Resp: 145655

Ion Ratio Lower Upper

180 100

182 95.2 76.0 114.0

145 32.9 26.3 39.5

