

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081623\
 Data File : VW031822.D
 Acq On : 16 Aug 2023 15:27
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 17 02:01:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 17 01:59:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	366492	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	397492	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	253934	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	217231	58.143	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 116.280%		
7) Chloroethane-d5	1.529	69	177761	51.918	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 103.840%		
11) 1,1-Dichloroethene-d2	2.059	65	94303	54.529	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 109.060%		
21) 2-Butanone-d5	3.793	46	213057	82.412	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 82.410%		
24) Chloroform-d	4.252	84	402461	52.395	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 104.780%		
26) 1,2-Dichloroethane-d4	4.944	65	243906	51.033	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 102.060%		
32) Benzene-d6	4.963	84	732389	58.186	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 116.380%		
36) 1,2-Dichloropropane-d6	5.992	67	240157	50.793	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 101.580%		
41) Toluene-d8	7.246	98	701409	66.482	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 132.960%#		
43) trans-1,3-Dichloroprop...	7.554	79	110766	54.503	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 109.000%		
47) 2-Hexanone-d5	8.030	63	109612	61.822	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 61.820%		
56) 1,1,2,2-Tetrachloroeth...	10.156	84	309502	47.509	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 95.020%		
66) 1,2-Dichlorobenzene-d4	11.567	152	263661	51.282	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 102.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	211752	46.751	ug/L	100
3) Chloromethane	1.217	50	216588	50.278	ug/L	98
5) Vinyl chloride	1.281	62	223766	51.279	ug/L	99
6) Bromomethane	1.484	94	150858	50.158	ug/L	99
8) Chloroethane	1.548	64	143823	49.382	ug/L	98
9) Trichlorofluoromethane	1.712	101	372768	50.674	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	223878	52.685	ug/L	99
12) 1,1-Dichloroethene	2.069	96	177589	50.284	ug/L	91
13) Acetone	2.114	43	245707	99.293	ug/L	99
14) Carbon disulfide	2.240	76	424323	48.876	ug/L	100
15) Methyl Acetate	2.375	43	237077	55.017	ug/L	96
16) Methylene chloride	2.449	84	208776	52.617	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	168657	53.683	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	578606	55.983	ug/L	99
19) 1,1-Dichloroethane	3.114	63	382312	52.568	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	186805	52.651	ug/L	95
22) 2-Butanone	3.870	43	323708	115.011	ug/L	98
23) Bromochloromethane	4.149	128	104330	53.108	ug/L	92
25) Chloroform	4.281	83	405066	52.581	ug/L	100

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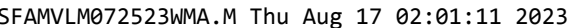
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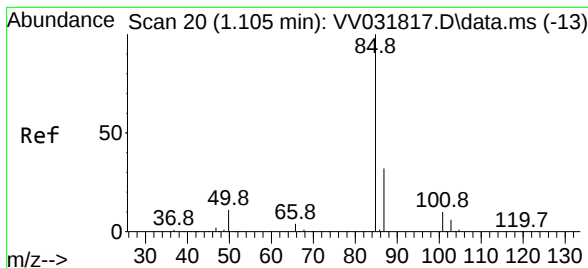
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 17 01:59:38 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	302478	52.794	ug/L	100
29) Cyclohexane	4.590	56	261673	53.464	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	347073	50.831	ug/L	99
31) Carbon tetrachloride	4.738	117	305324	51.213	ug/L	99
33) Benzene	5.014	78	771025	55.148	ug/L	100
34) Trichloroethene	5.837	95	229482	52.014	ug/L	99
35) Methylcyclohexane	6.056	83	266351	54.276	ug/L	98
37) 1,2-Dichloropropane	6.098	63	224586	54.075	ug/L	99
38) Bromodichloromethane	6.436	83	308598	52.089	ug/L	97
39) cis-1,3-Dichloropropene	6.956	75	310338	52.634	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	628521	118.821	ug/L	98
42) Toluene	7.320	91	829785	57.789	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	327254	55.618	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	224474	53.563	ug/L	97
46) Tetrachloroethene	7.908	164	152643	54.757	ug/L	94
48) 2-Hexanone	8.082	43	500888	118.715	ug/L	97
49) Dibromochloromethane	8.181	129	239769	54.217	ug/L	97
50) 1,2-Dibromoethane	8.288	107	235709	53.388	ug/L	95
51) Chlorobenzene	8.818	112	526461	54.873	ug/L	98
52) Ethylbenzene	8.953	91	878435	56.453	ug/L	99
53) m,p-Xylene	9.078	106	329993	58.807	ug/L	100
54) o-Xylene	9.484	106	311406	57.902	ug/L	97
55) Styrene	9.500	104	613405	62.437	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	310549	53.440	ug/L	98
59) Bromoform	9.670	173	181299	52.072	ug/L #	93
60) Isopropylbenzene	9.873	105	878421	55.428	ug/L	99
61) 1,2,3-Trichloropropane	10.213	75	292960	49.185	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	697946	54.430	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	722705	55.675	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	449840	54.300	ug/L	98
65) 1,4-Dichlorobenzene	11.213	146	471920	53.587	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	446525	52.349	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	80710	48.719	ug/L	98
69) 1,3,5-Trichlorobenzene	12.590	180	317483	52.545	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	275576	50.980	ug/L	99
71) Naphthalene	13.445	128	813852	52.231	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	305237	54.020	ug/L	99

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

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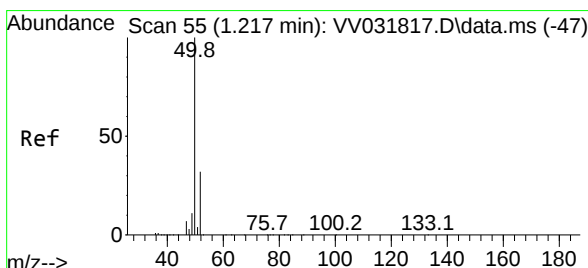
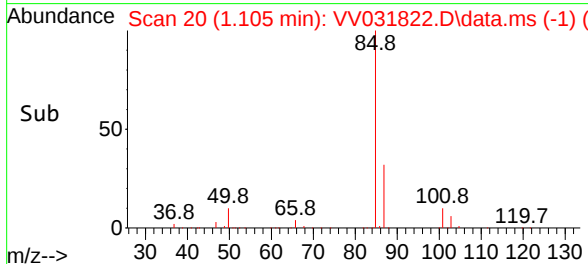
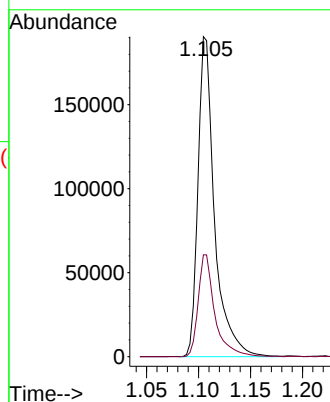
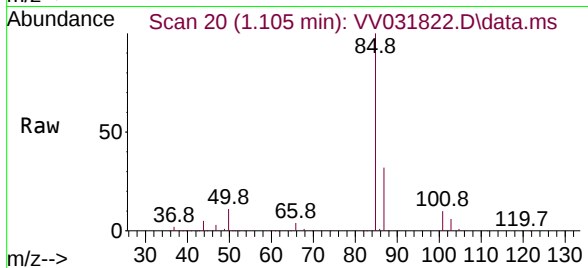




#2
 Dichlorodifluoromethane
 Concen: 46.751 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV031822.D
 Acq: 16 Aug 2023 15:27

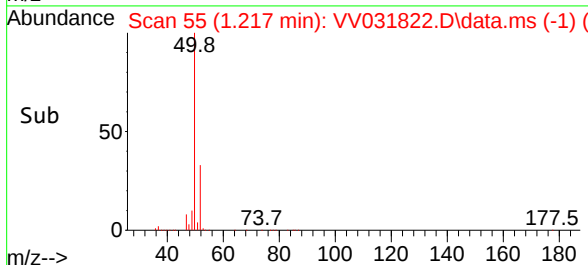
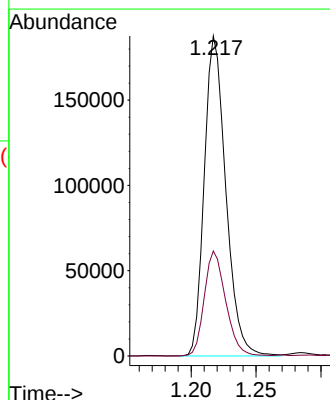
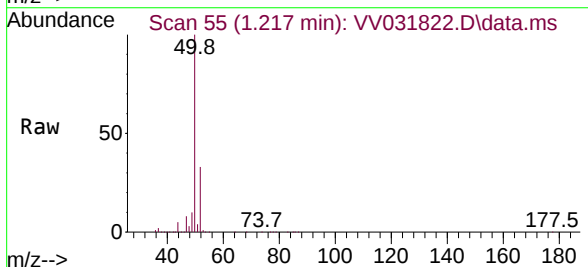
Instrument :
 MSVOA_V
 ClientSampleId :

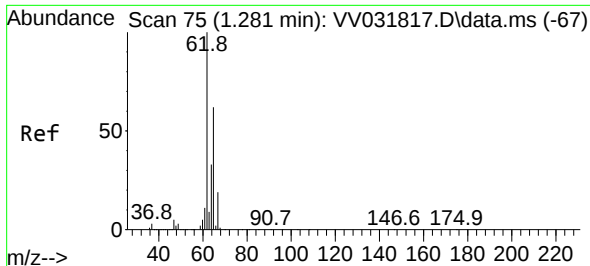
Tgt Ion: 85 Resp: 211752
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.8 38.6



#3
 Chloromethane
 Concen: 50.278 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031822.D
 Acq: 16 Aug 2023 15:27

Tgt Ion: 50 Resp: 216588
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.7 44.1



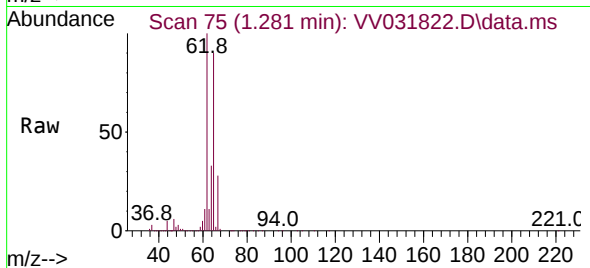


#5
 Vinyl chloride
 Concen: 51.279 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV031822.D
 Acq: 16 Aug 2023 15:27

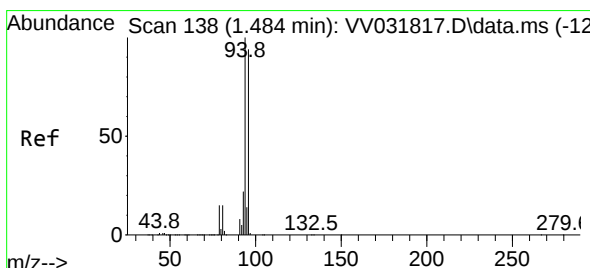
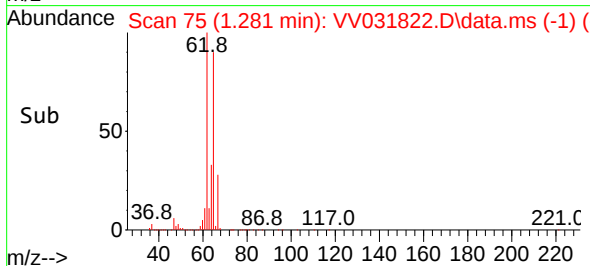
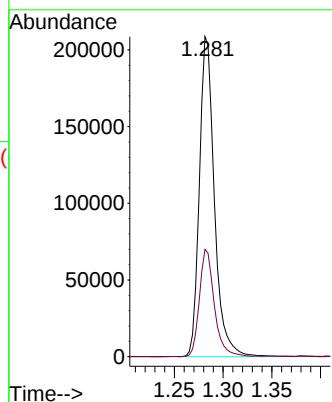
Instrument :

MSVOA_V

ClientSampleId :

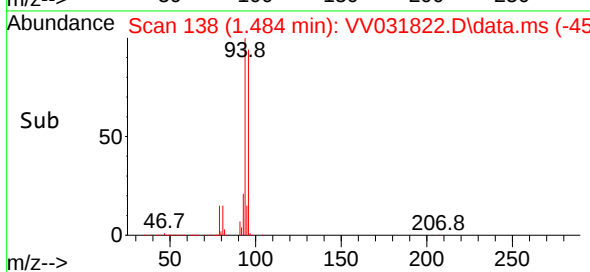
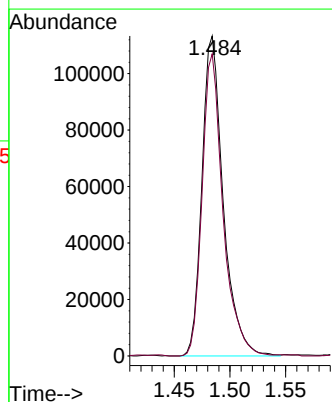
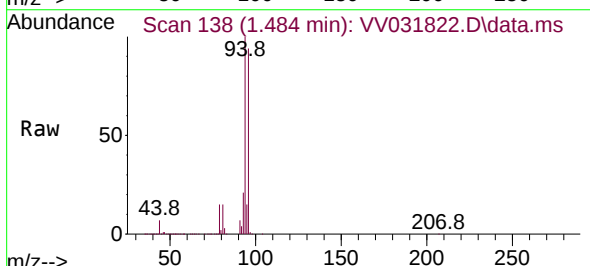


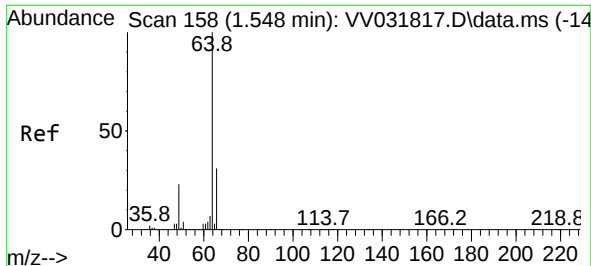
Tgt Ion: 62 Resp: 223766
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.9 42.5



#6
 Bromomethane
 Concen: 50.158 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV031822.D
 Acq: 16 Aug 2023 15:27

Tgt Ion: 94 Resp: 150858
 Ion Ratio Lower Upper
 94 100
 96 94.4 65.7 121.9

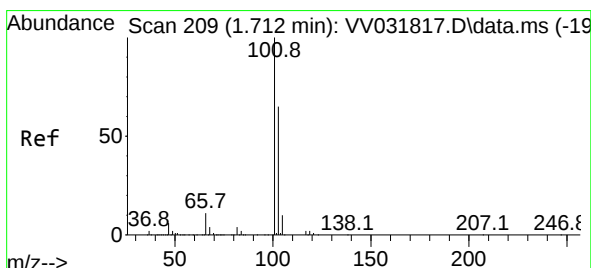
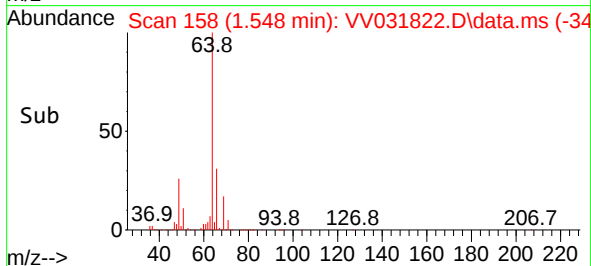
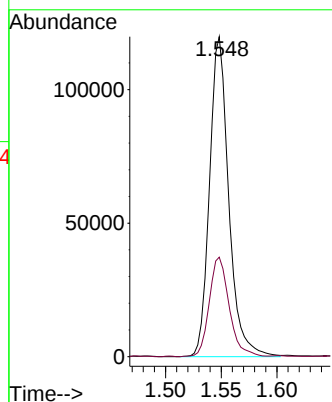
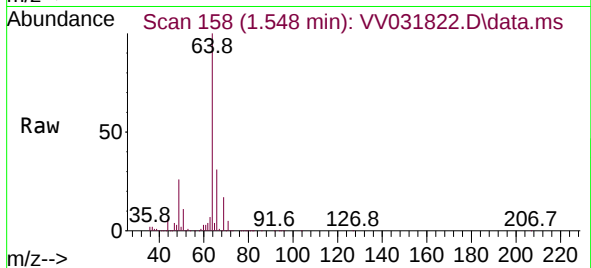




#8
Chloroethane
Concen: 49.382 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

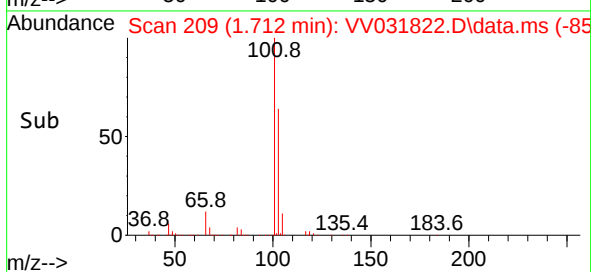
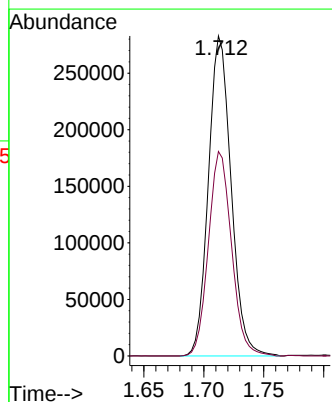
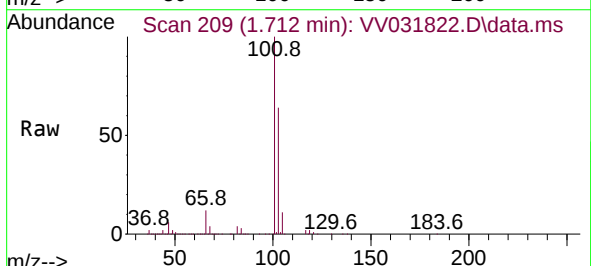
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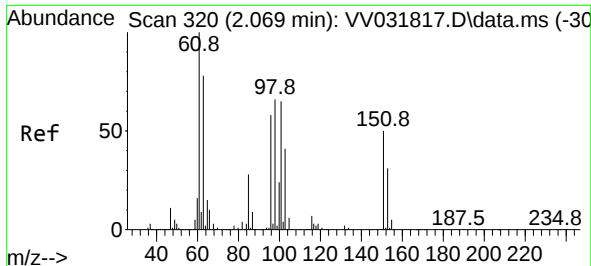
Tgt Ion: 64 Resp: 143823
Ion Ratio Lower Upper
64 100
66 31.1 22.4 41.6



#9
Trichlorofluoromethane
Concen: 50.674 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

Tgt Ion: 101 Resp: 372768
Ion Ratio Lower Upper
101 100
103 64.9 51.7 77.5

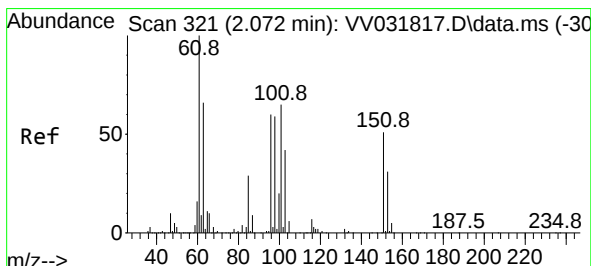
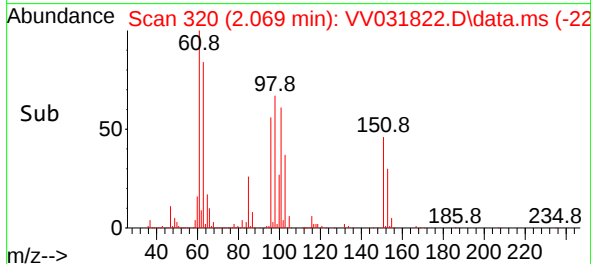
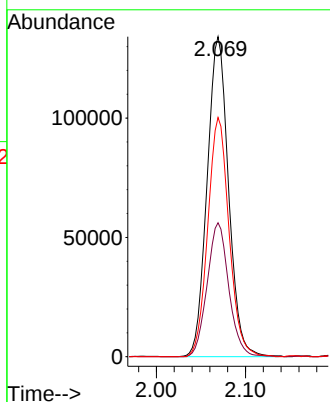
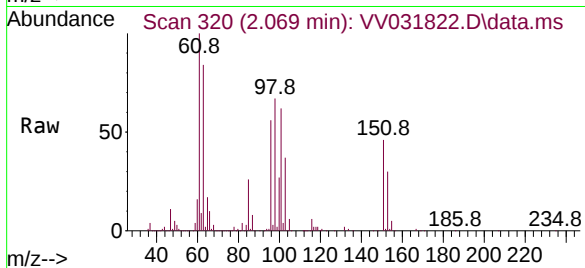




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 52.685 ug/L
RT: 2.069 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

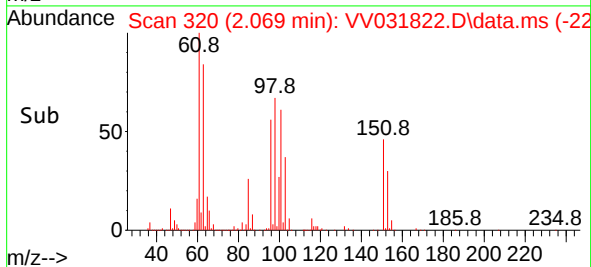
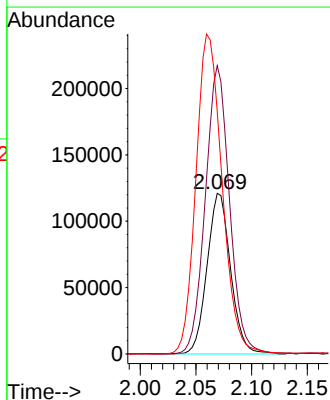
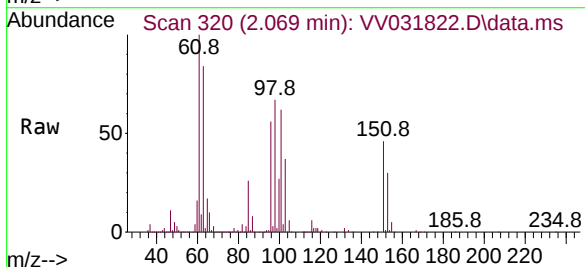
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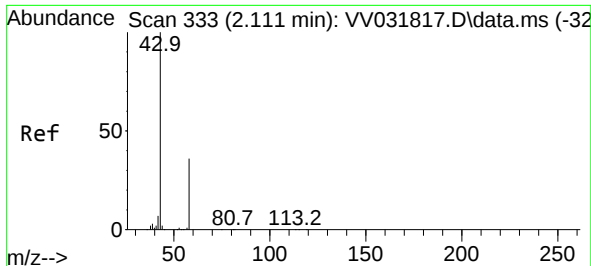
Tgt Ion:101 Resp: 223878
Ion Ratio Lower Upper
101 100
85 42.3 33.9 50.9
151 74.4 61.0 91.6



#12
1,1-Dichloroethene
Concen: 50.284 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.003 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

Tgt Ion: 96 Resp: 177589
Ion Ratio Lower Upper
96 100
61 179.6 118.3 219.7
63 151.0 96.8 179.8





#13

Acetone

Concen: 99.293 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

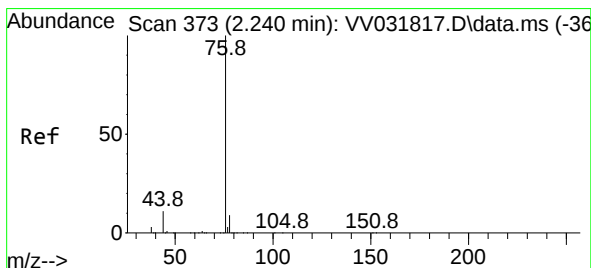
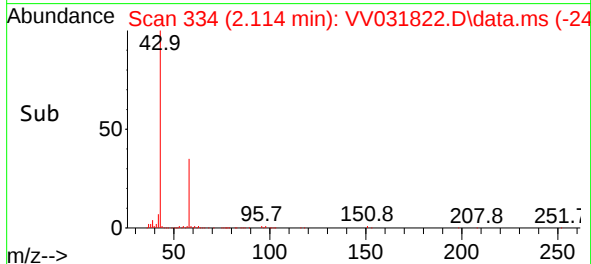
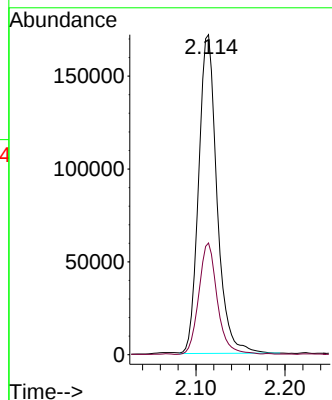
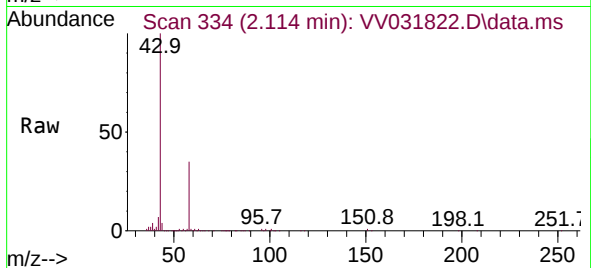
ClientSampleId :

Tgt Ion: 43 Resp: 245707

Ion Ratio Lower Upper

43 100

58 35.3 0.0 72.0



#14

Carbon disulfide

Concen: 48.876 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV031822.D

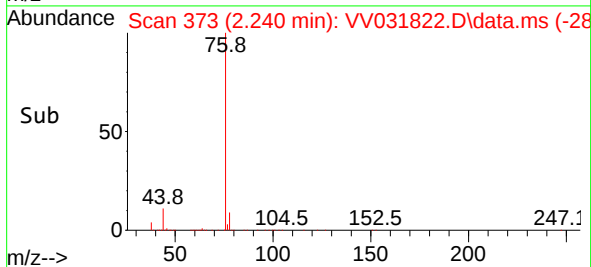
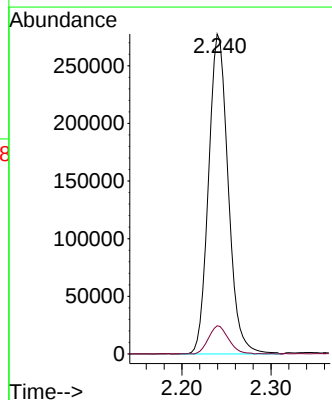
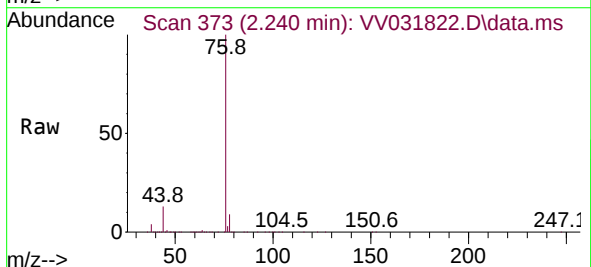
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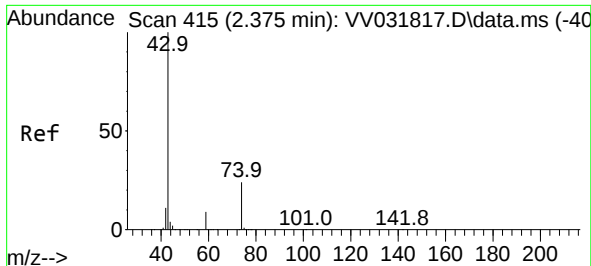
Tgt Ion: 76 Resp: 424323

Ion Ratio Lower Upper

76 100

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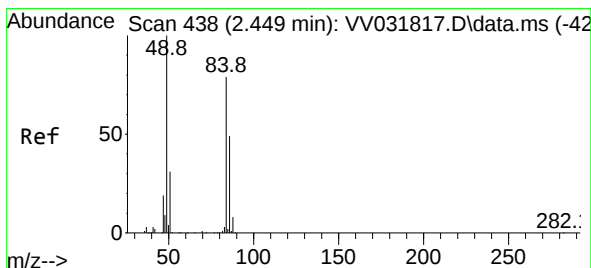
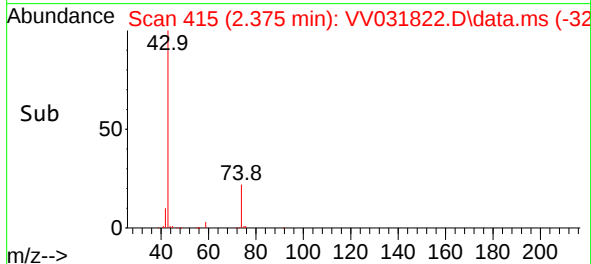
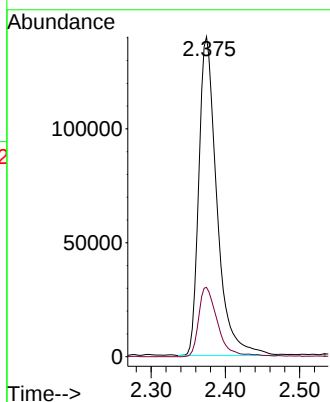
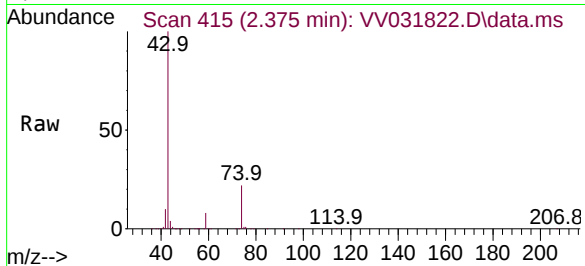




#15
Methyl Acetate
Concen: 55.017 ug/L
RT: 2.375 min Scan# 415
Delta R.T. -0.000 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

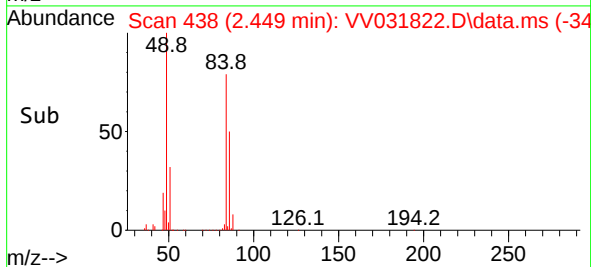
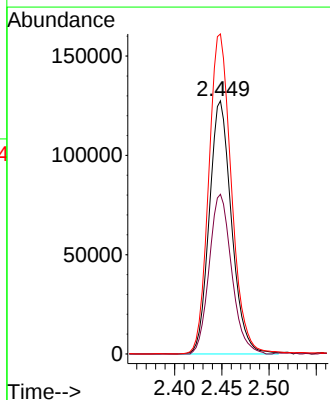
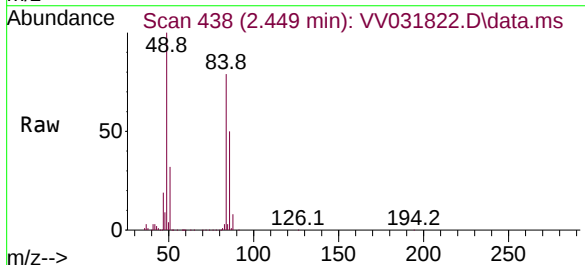
Instrument :
MSVOA_V
ClientSampleId :

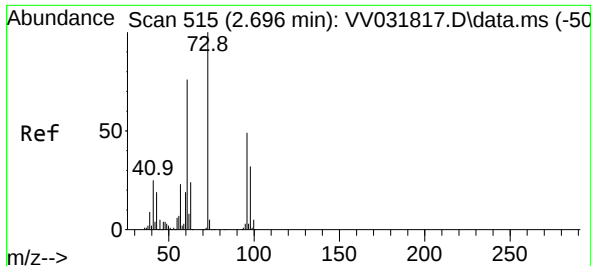
Tgt Ion: 43 Resp: 237077
Ion Ratio Lower Upper
43 100
74 22.2 19.5 29.3



#16
Methylene chloride
Concen: 52.617 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

Tgt Ion: 84 Resp: 208776
Ion Ratio Lower Upper
84 100
86 61.1 44.5 82.7
49 122.5 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 53.683 ug/L

RT: 2.696 min Scan# 515

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

ClientSampleId :

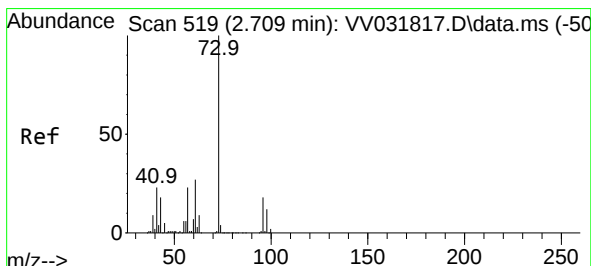
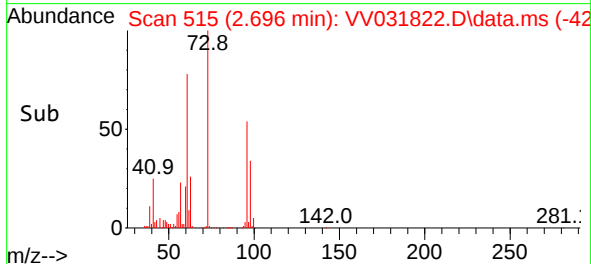
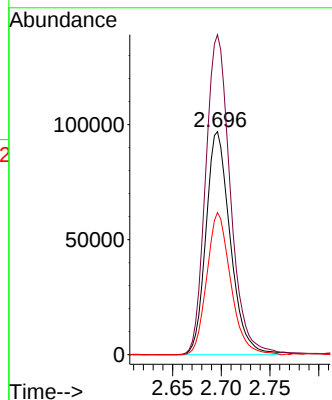
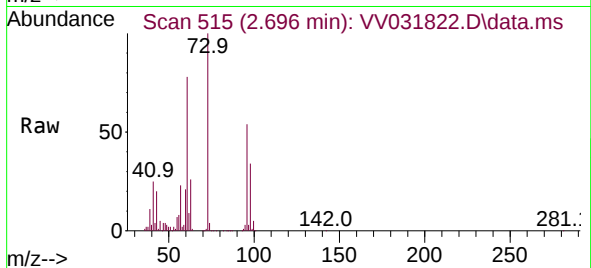
Tgt Ion: 96 Resp: 168657

Ion Ratio Lower Upper

96 100

61 143.5 101.6 188.6

98 63.7 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 55.983 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

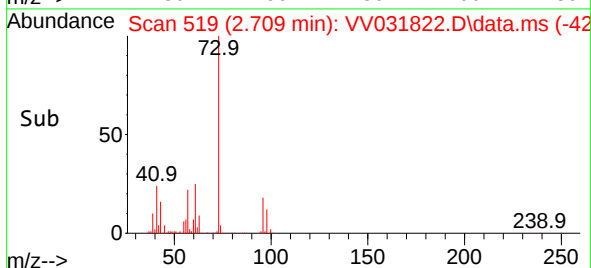
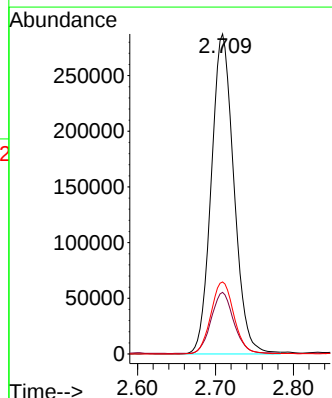
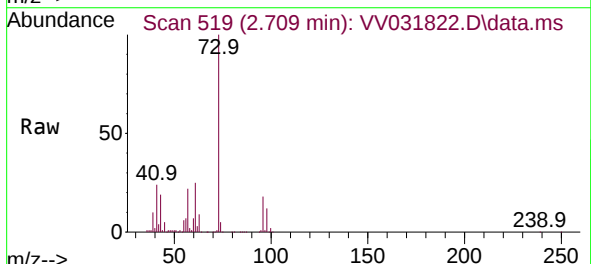
Tgt Ion: 73 Resp: 578606

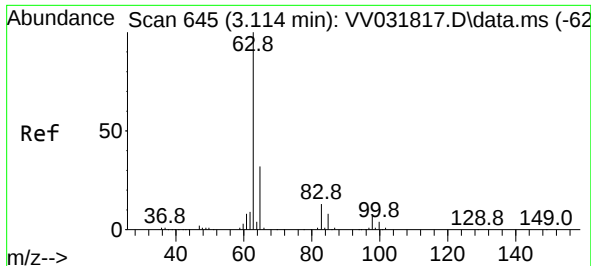
Ion Ratio Lower Upper

73 100

43 19.1 15.0 22.4

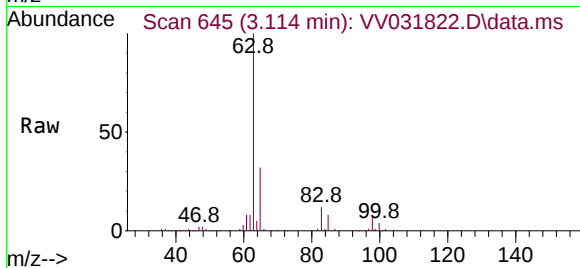
57 23.0 18.3 27.5



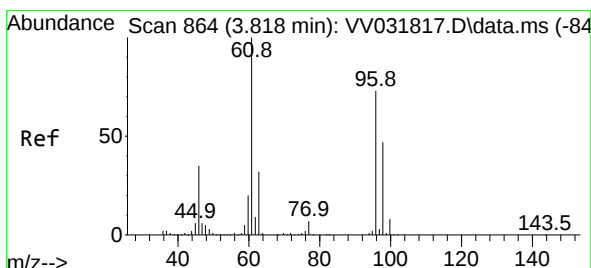
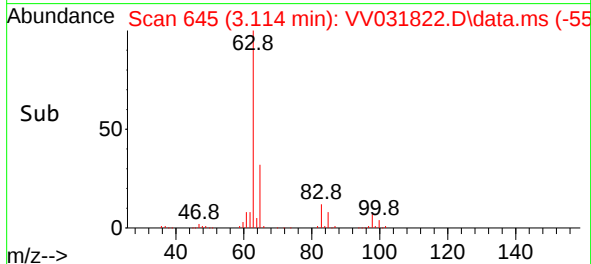
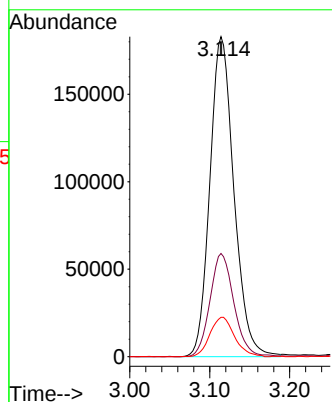


#19
1,1-Dichloroethane
Concen: 52.568 ug/L
RT: 3.114 min Scan# 645
Delta R.T. -0.000 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

Instrument :
MSVOA_V
ClientSampleId :

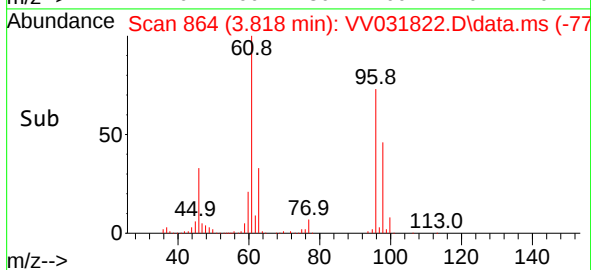
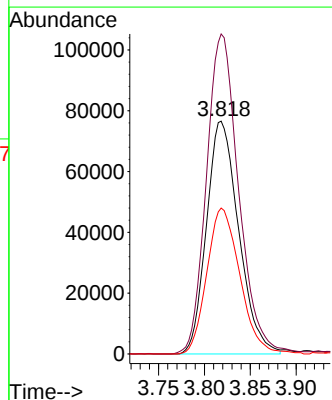
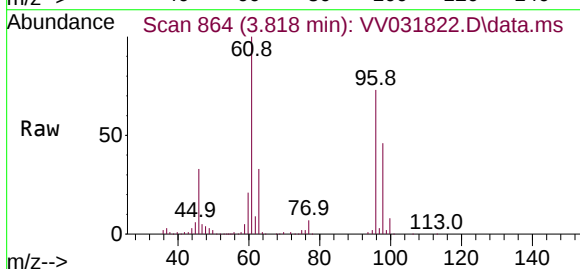


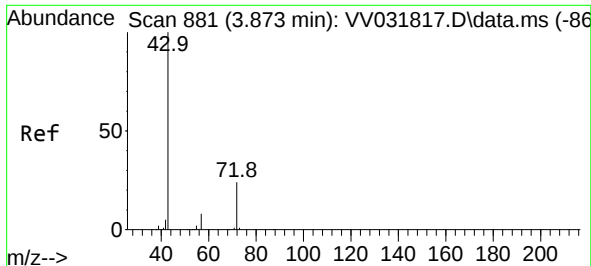
Tgt Ion: 63 Resp: 382312
Ion Ratio Lower Upper
63 100
65 32.2 22.3 41.5
83 12.3 10.6 19.6



#20
cis-1,2-Dichloroethene
Concen: 52.651 ug/L
RT: 3.818 min Scan# 864
Delta R.T. -0.000 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

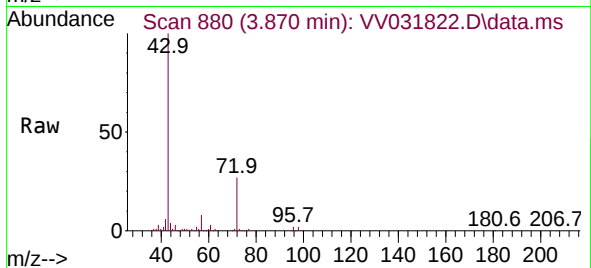
Tgt Ion: 96 Resp: 186805
Ion Ratio Lower Upper
96 100
61 137.5 90.6 168.2
98 62.7 43.8 81.3



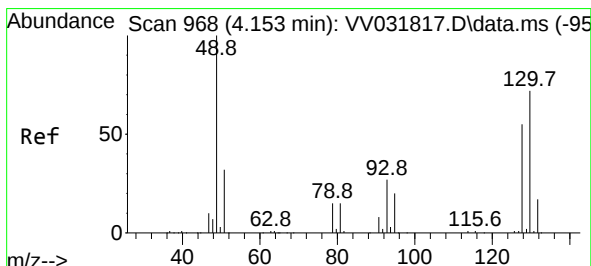
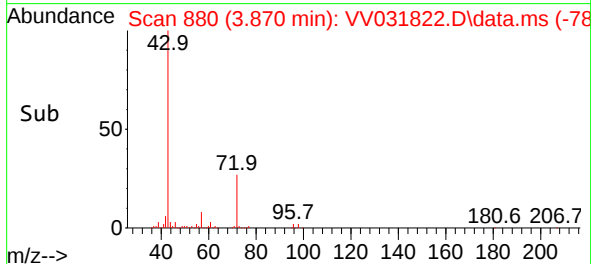
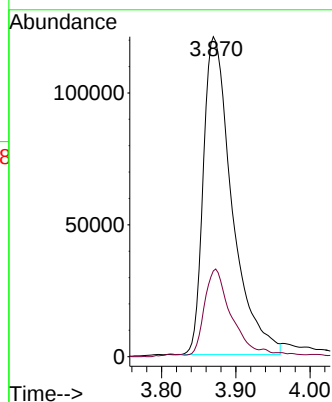


#22
2-Butanone
Concen: 115.011 ug/L
RT: 3.870 min Scan# 881
Delta R.T. -0.003 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

Instrument :
MSVOA_V
ClientSampleId :

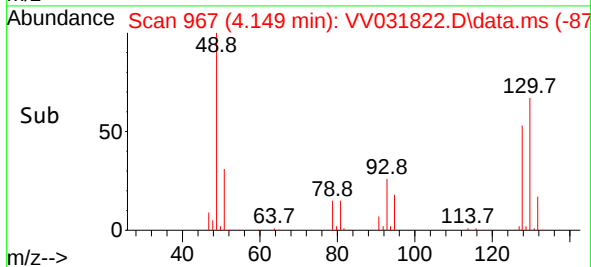
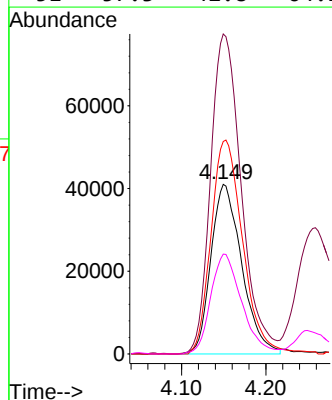
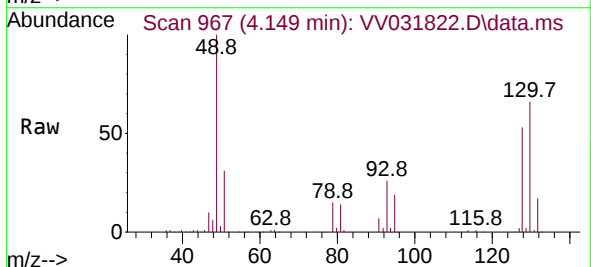


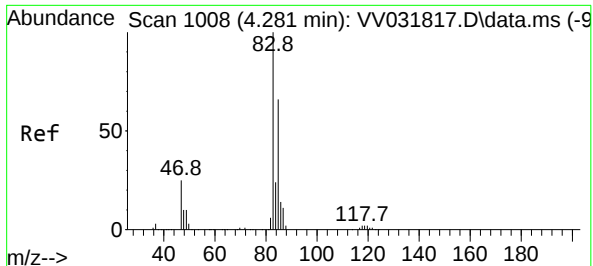
Tgt Ion: 43 Resp: 323708
Ion Ratio Lower Upper
43 100
72 24.2 12.7 38.0



#23
Bromochloromethane
Concen: 53.108 ug/L
RT: 4.149 min Scan# 967
Delta R.T. -0.003 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

Tgt Ion:128 Resp: 104330
Ion Ratio Lower Upper
128 100
49 181.1 117.9 218.9
130 120.3 89.1 165.5
51 57.3 42.8 64.2





#25

Chloroform

Concen: 52.581 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

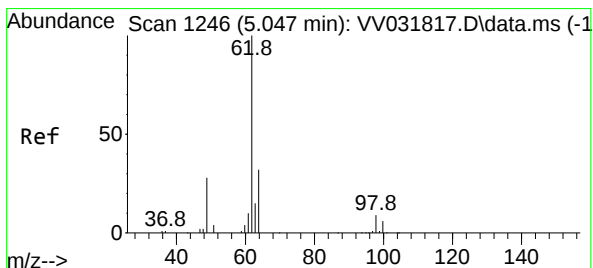
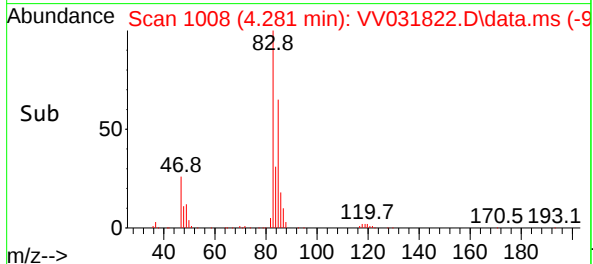
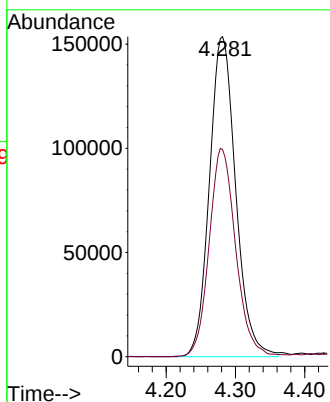
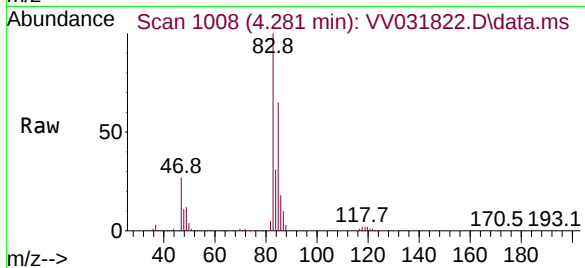
ClientSampleId :

Tgt Ion: 83 Resp: 405066

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.9



#27

1,2-Dichloroethane

Concen: 52.794 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031822.D

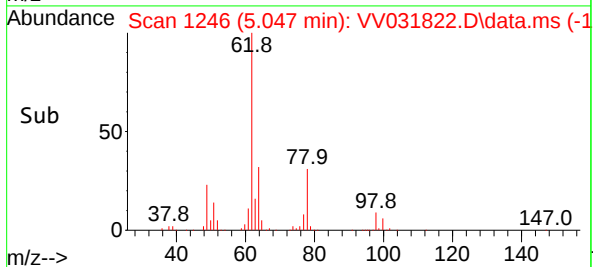
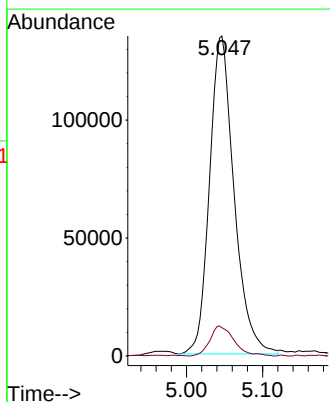
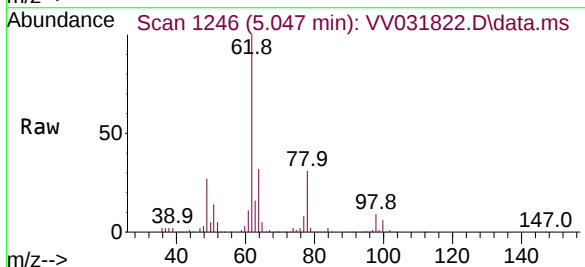
Acq: 16 Aug 2023 15:27

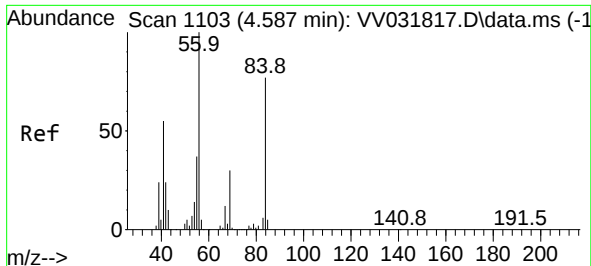
Tgt Ion: 62 Resp: 302478

Ion Ratio Lower Upper

62 100

98 9.5 7.5 11.3





#29

Cyclohexane

Concen: 53.464 ug/L

RT: 4.590 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

ClientSampleId :

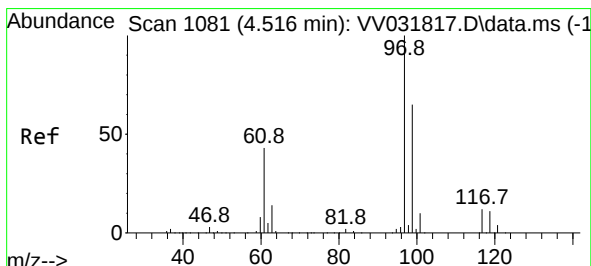
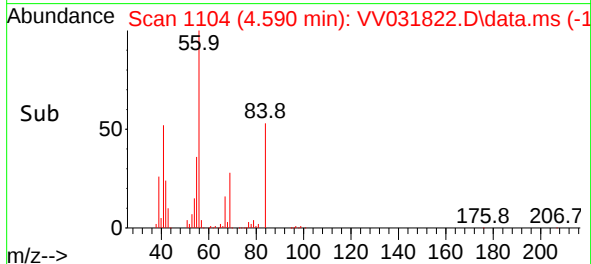
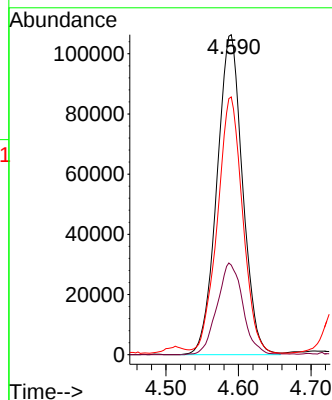
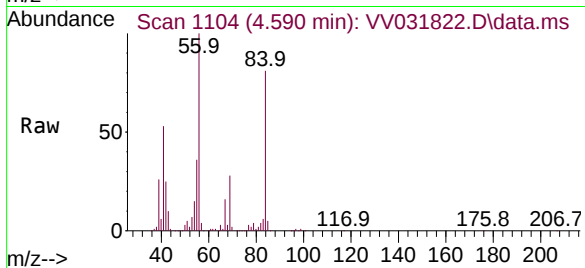
Tgt Ion: 56 Resp: 261673

Ion Ratio Lower Upper

56 100

69 28.7 24.1 36.1

84 79.2 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 50.831 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

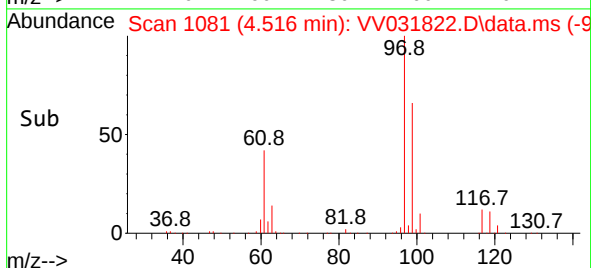
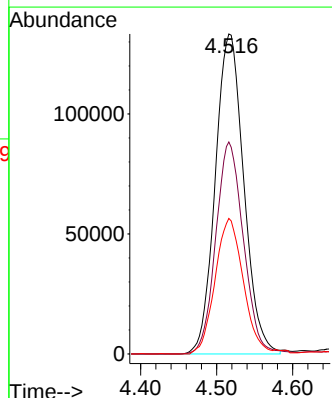
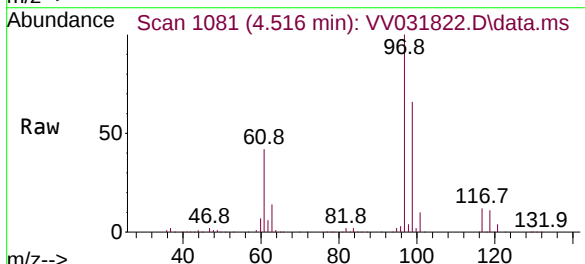
Tgt Ion: 97 Resp: 347073

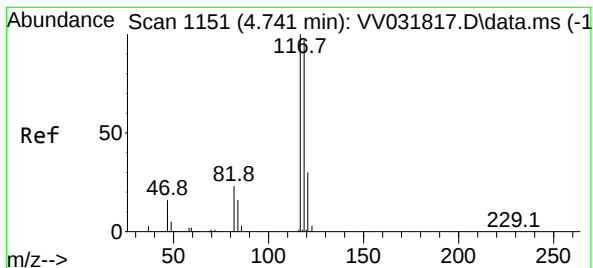
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 41.8 32.2 48.2





#31

Carbon tetrachloride

Concen: 51.213 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. -0.003 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

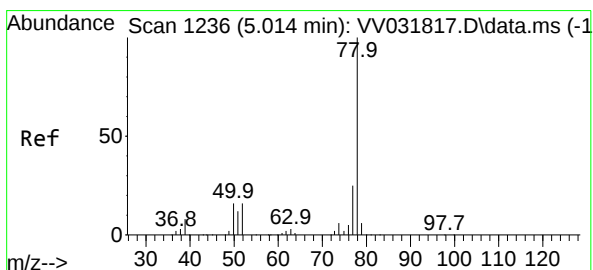
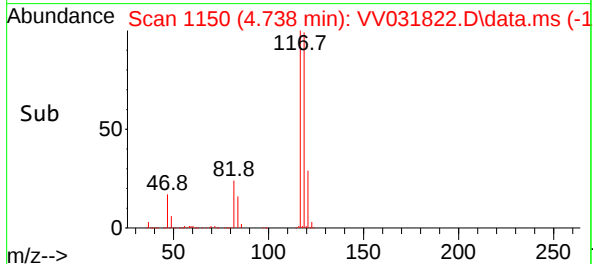
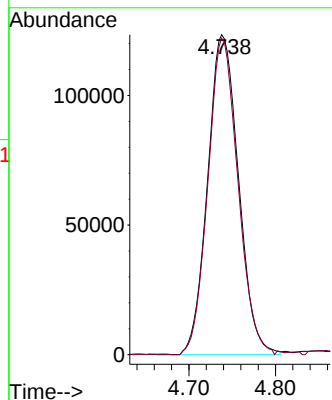
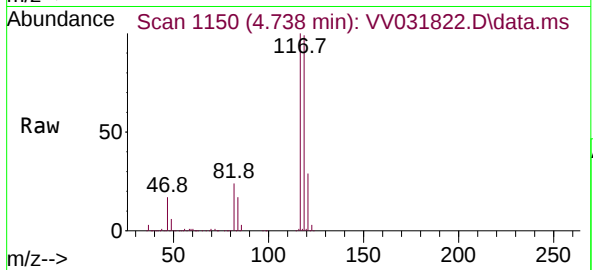
ClientSampleId :

Tgt Ion:117 Resp: 305324

Ion Ratio Lower Upper

117 100

119 96.3 78.0 117.0



#33

Benzene

Concen: 55.148 ug/L

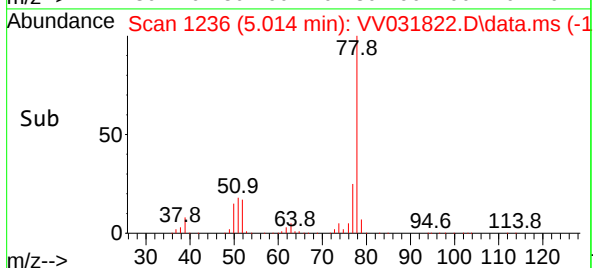
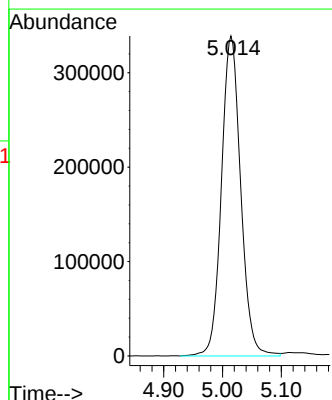
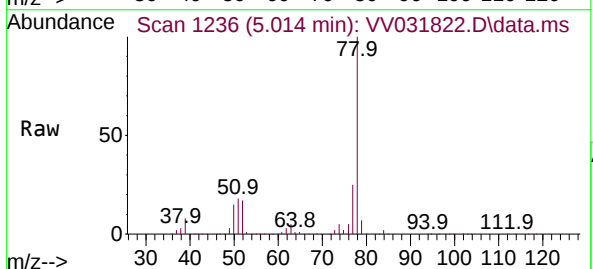
RT: 5.014 min Scan# 1236

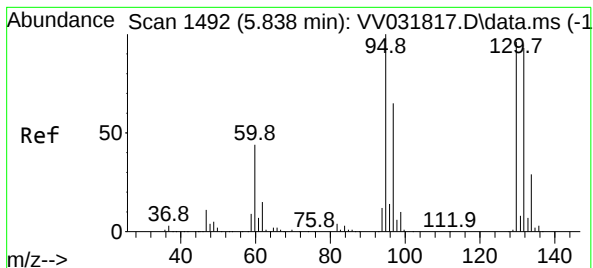
Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Tgt Ion: 78 Resp: 771025





#34

Trichloroethene

Concen: 52.014 ug/L

RT: 5.837 min Scan# 1492

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 229482

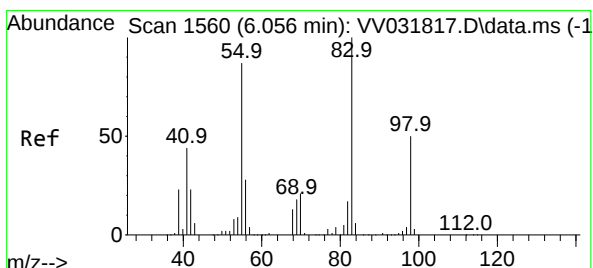
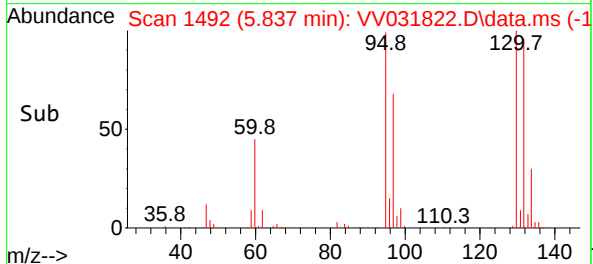
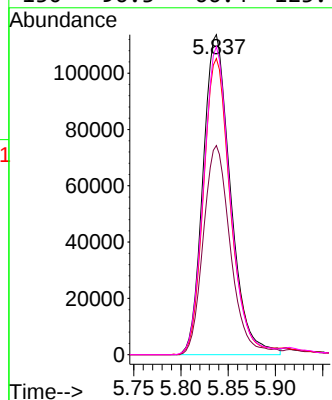
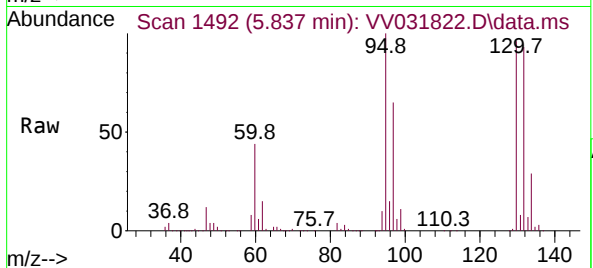
Ion Ratio Lower Upper

95 100

97 65.4 47.0 87.2

132 92.6 64.8 120.4

130 96.3 66.4 123.4



#35

Methylcyclohexane

Concen: 54.276 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

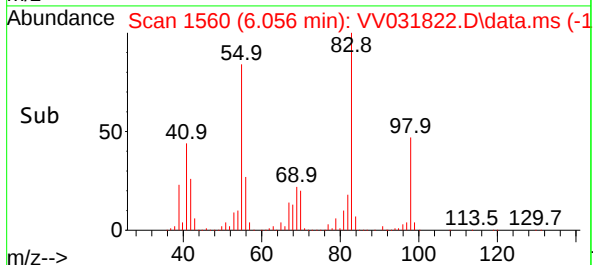
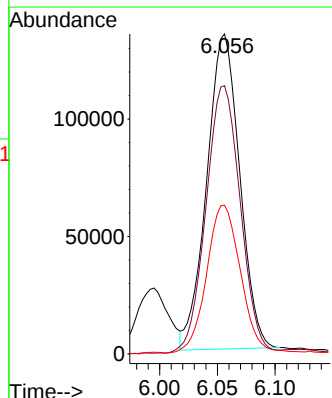
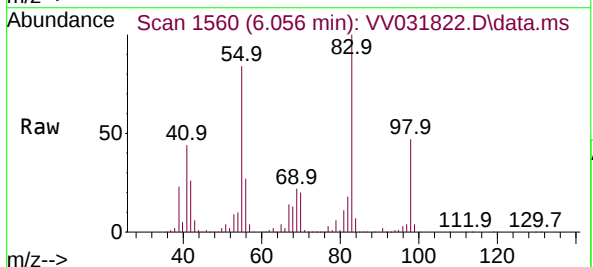
Tgt Ion: 83 Resp: 266351

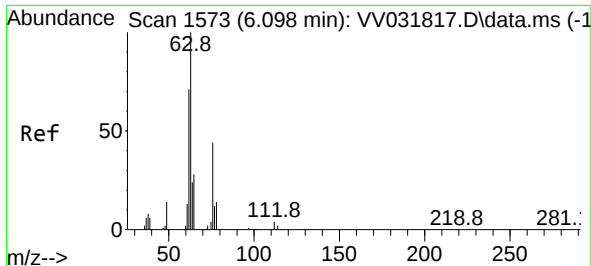
Ion Ratio Lower Upper

83 100

55 88.5 69.4 104.2

98 49.5 38.2 57.2

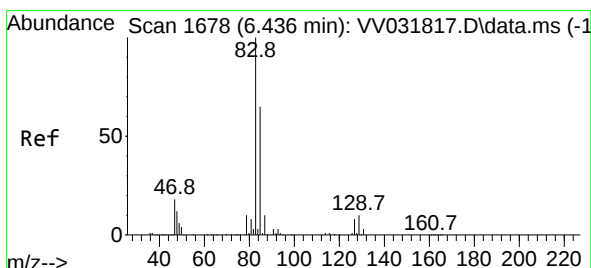
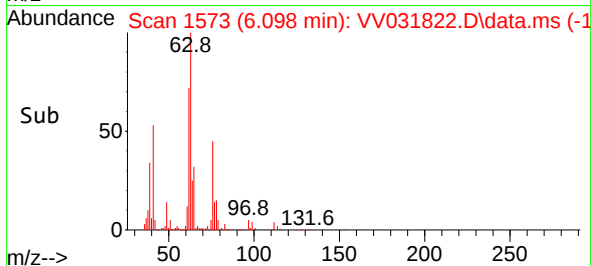
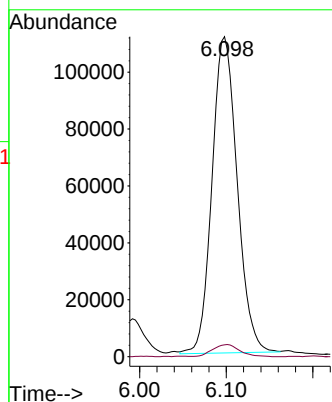
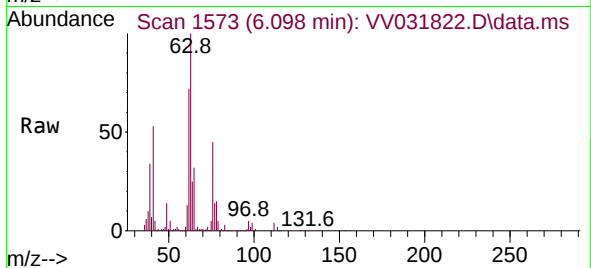




#37
1,2-Dichloropropane
Concen: 54.075 ug/L
RT: 6.098 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

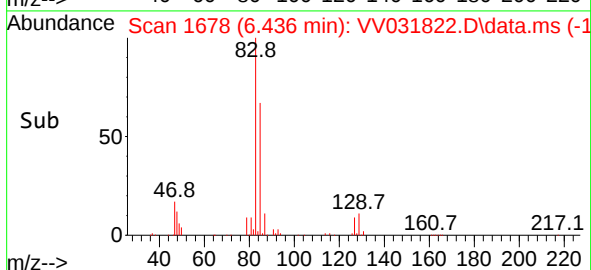
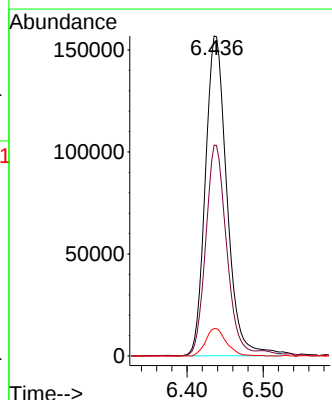
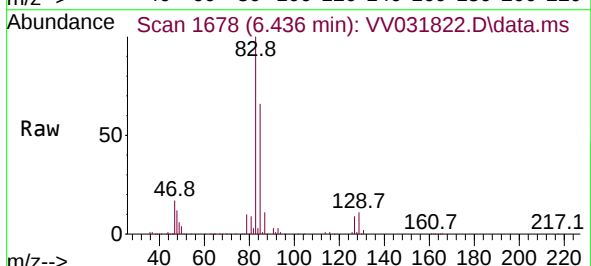
Instrument :
MSVOA_V
ClientSampleId :

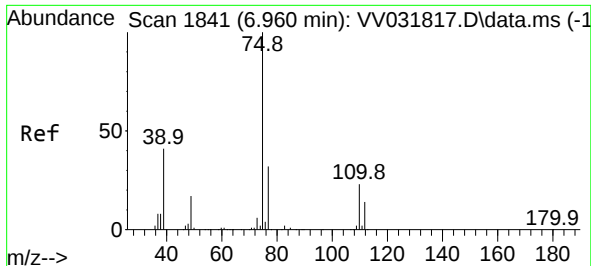
Tgt Ion: 63 Resp: 224586
Ion Ratio Lower Upper
63 100
112 4.1 3.7 5.5



#38
Bromodichloromethane
Concen: 52.089 ug/L
RT: 6.436 min Scan# 1678
Delta R.T. -0.000 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

Tgt Ion: 83 Resp: 308598
Ion Ratio Lower Upper
83 100
85 65.9 44.2 82.0
127 9.5 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 52.634 ug/L

RT: 6.956 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

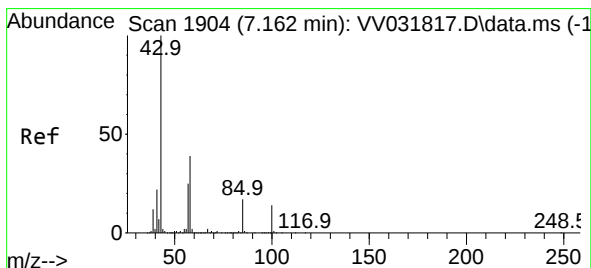
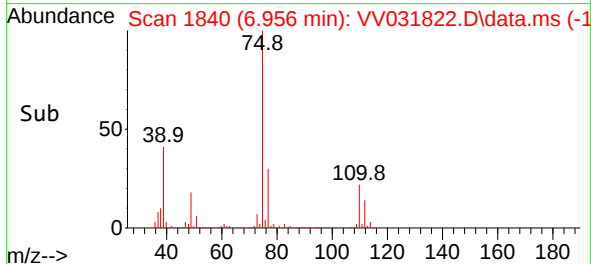
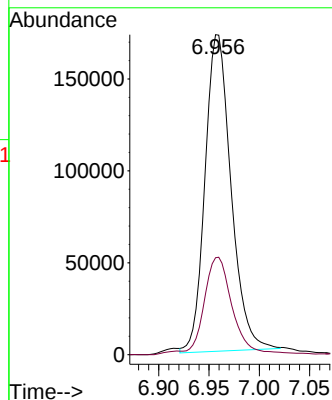
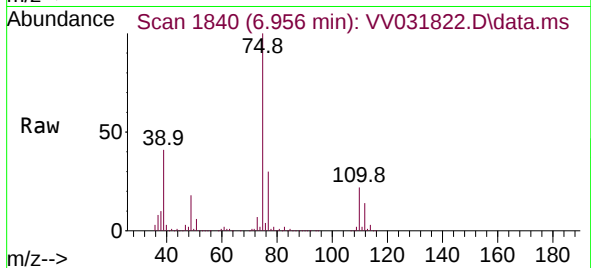
ClientSampleId :

Tgt Ion: 75 Resp: 310338

Ion Ratio Lower Upper

75 100

77 30.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 118.821 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

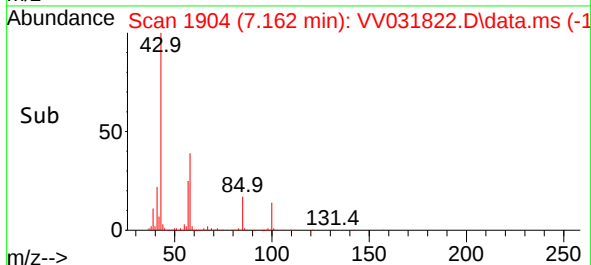
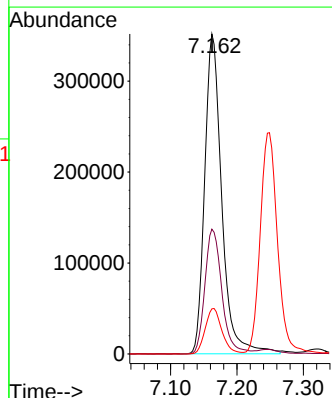
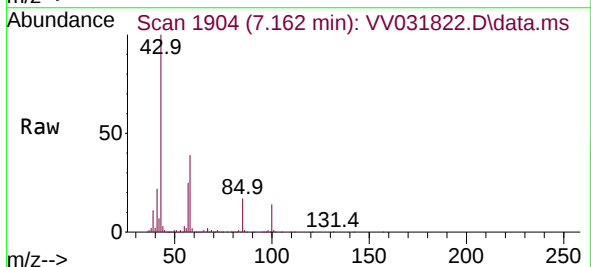
Tgt Ion: 43 Resp: 628521

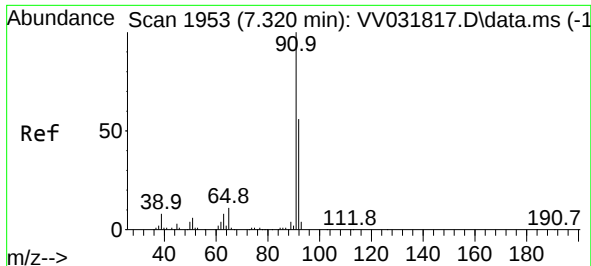
Ion Ratio Lower Upper

43 100

58 38.8 32.1 48.1

100 14.0 12.1 18.1





#42

Toluene

Concen: 57.789 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

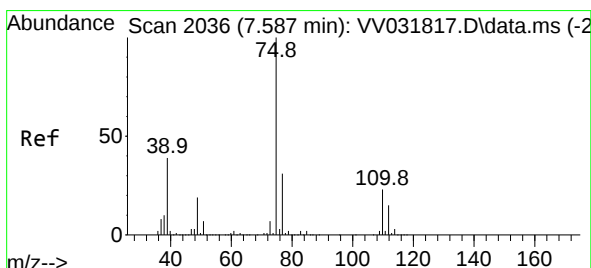
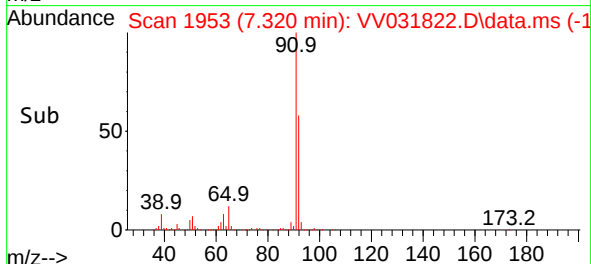
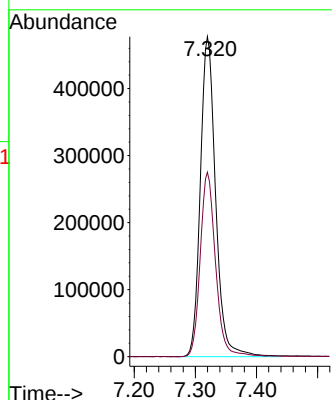
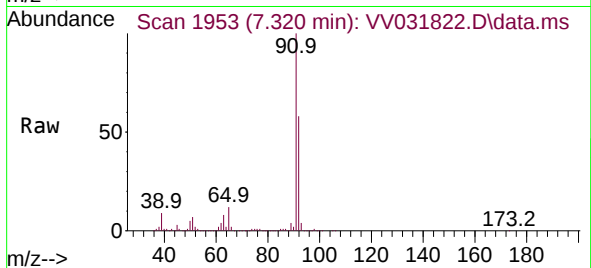
ClientSampleId :

Tgt Ion: 91 Resp: 829785

Ion Ratio Lower Upper

91 100

92 57.7 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 55.618 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.003 min

Lab File: VV031822.D

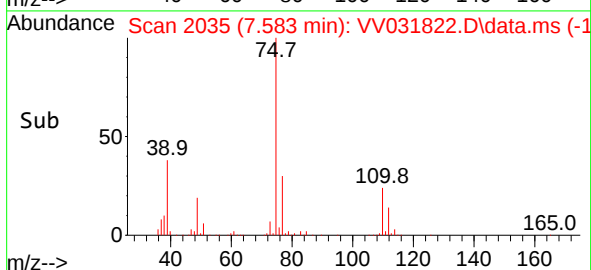
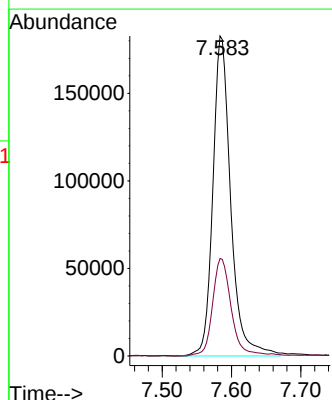
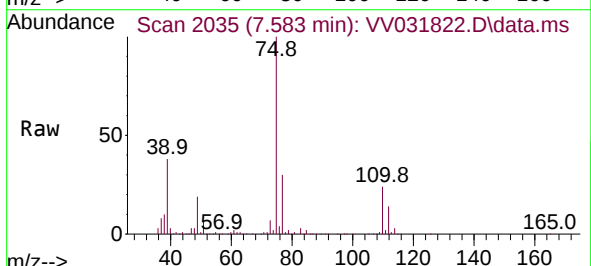
Acq: 16 Aug 2023 15:27

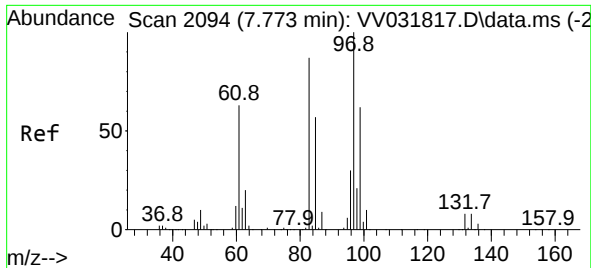
Tgt Ion: 75 Resp: 327254

Ion Ratio Lower Upper

75 100

77 30.4 22.3 41.3



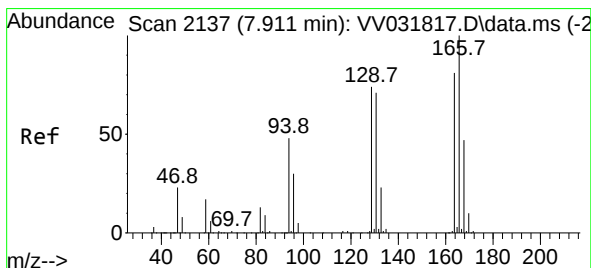
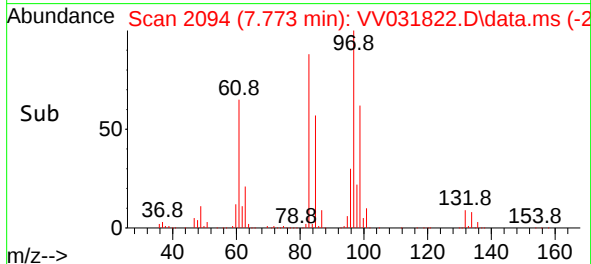
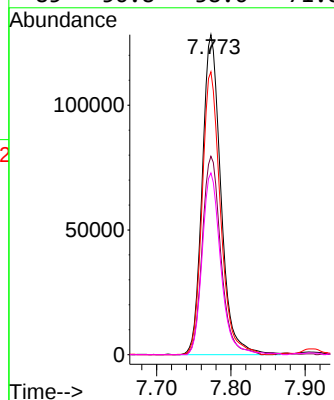
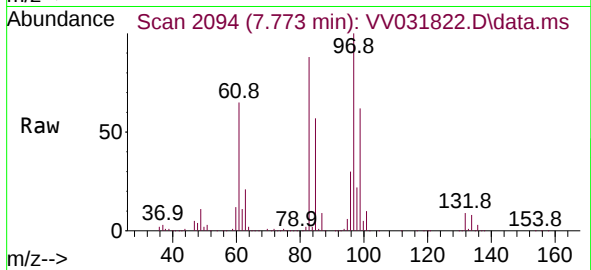


#45
 1,1,2-Trichloroethane
 Concen: 53.563 ug/L
 RT: 7.773 min Scan# 2094
 Delta R.T. -0.000 min
 Lab File: VV031822.D
 Acq: 16 Aug 2023 15:27

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 97 Resp: 224474

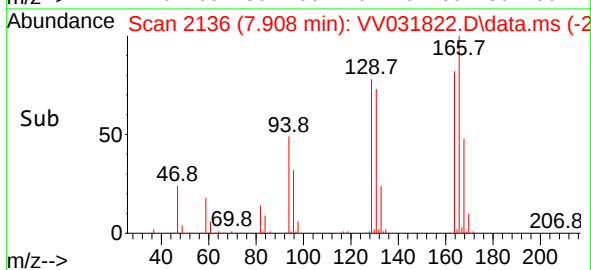
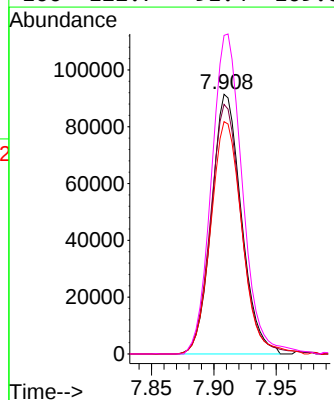
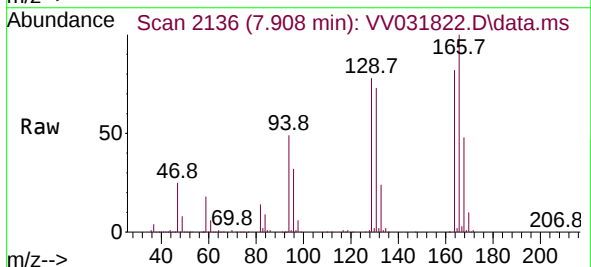
Ion	Ratio	Lower	Upper
97	100		
99	62.0	45.2	84.0
83	88.4	59.5	110.5
85	56.8	38.6	71.8

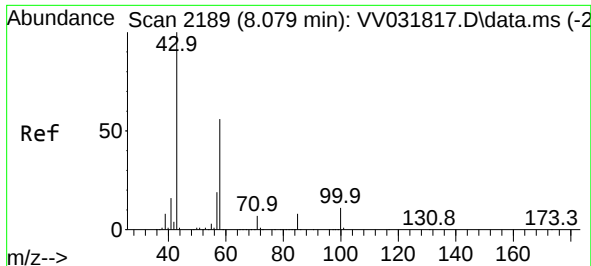


#46
 Tetrachloroethene
 Concen: 54.757 ug/L
 RT: 7.908 min Scan# 2136
 Delta R.T. -0.003 min
 Lab File: VV031822.D
 Acq: 16 Aug 2023 15:27

Tgt Ion: 164 Resp: 152643

Ion	Ratio	Lower	Upper
164	100		
129	96.2	65.2	121.0
131	89.5	67.1	124.7
166	122.7	91.4	169.8

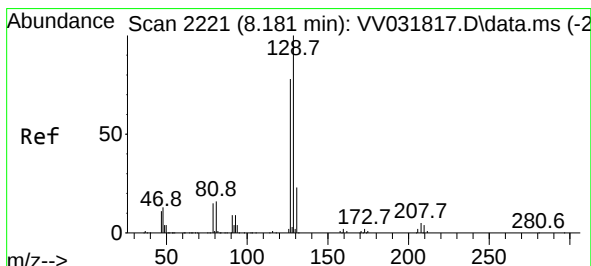
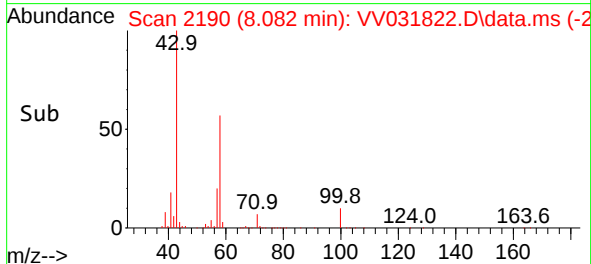
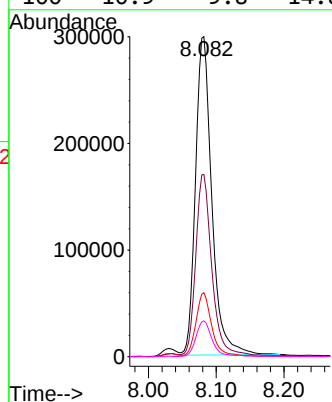
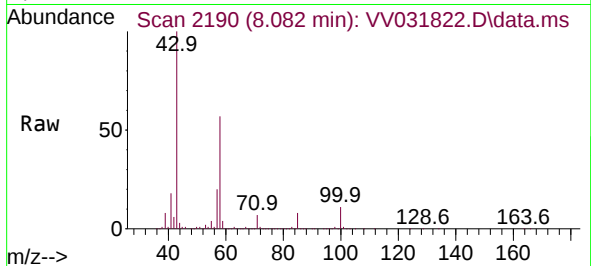




#48
2-Hexanone
Concen: 118.715 ug/L
RT: 8.082 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

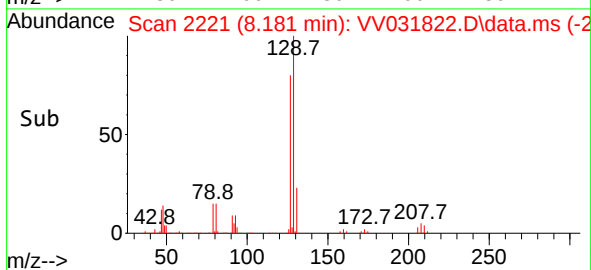
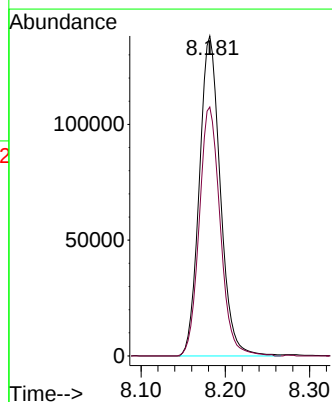
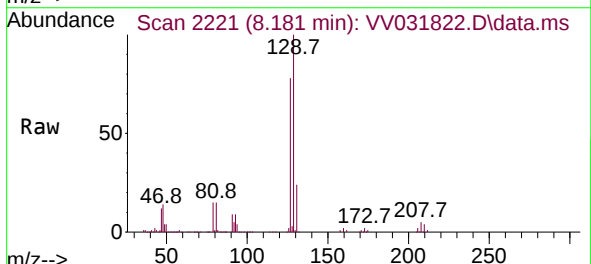
Instrument :
MSVOA_V
ClientSampleId :

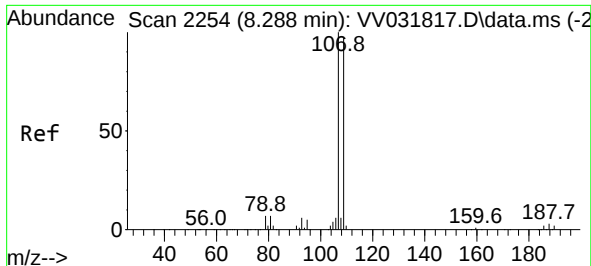
Tgt Ion: 43 Resp: 500888
Ion Ratio Lower Upper
43 100
58 55.8 46.3 69.5
57 19.4 16.8 25.2
100 10.9 9.8 14.8



#49
Dibromochloromethane
Concen: 54.217 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

Tgt Ion: 129 Resp: 239769
Ion Ratio Lower Upper
129 100
127 76.7 55.2 102.6





#50

1,2-Dibromoethane

Concen: 53.388 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

ClientSampleId :

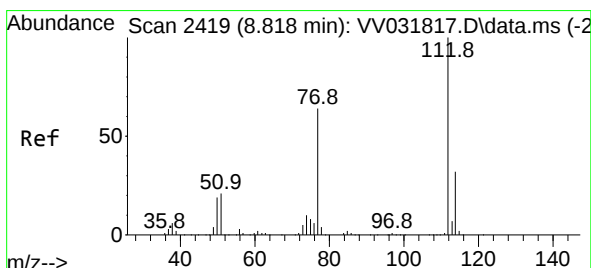
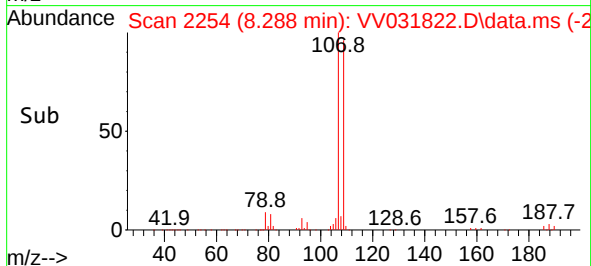
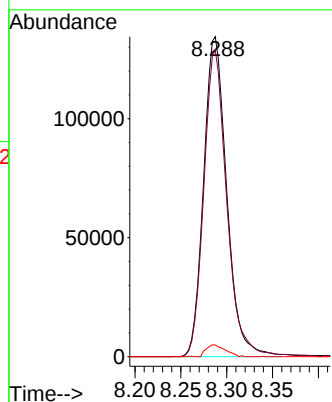
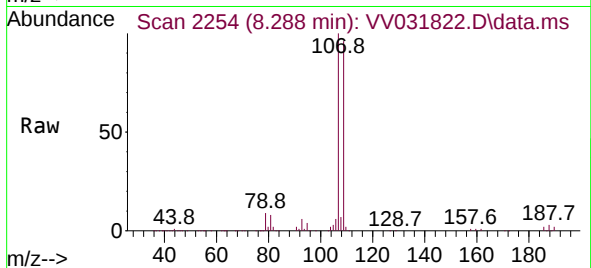
Tgt Ion:107 Resp: 235709

Ion Ratio Lower Upper

107 100

109 98.0 65.4 121.4

188 3.6 2.8 4.2



#51

Chlorobenzene

Concen: 54.873 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

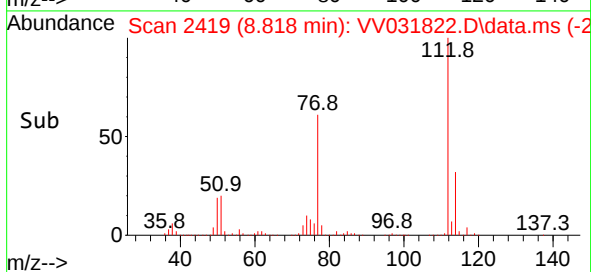
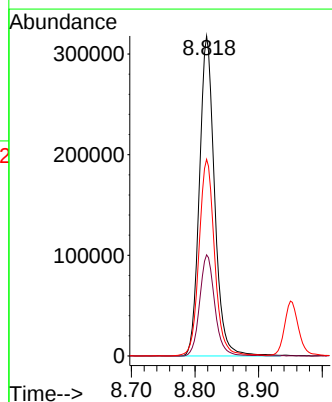
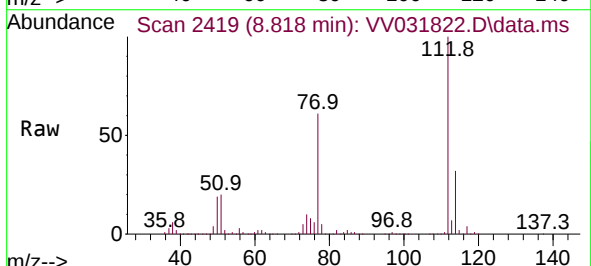
Tgt Ion:112 Resp: 526461

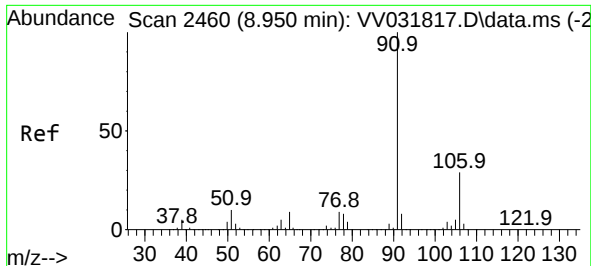
Ion Ratio Lower Upper

112 100

114 31.6 22.2 41.2

77 61.5 50.6 76.0





#52

Ethylbenzene

Concen: 56.453 ug/L

RT: 8.953 min Scan# 2460

Delta R.T. 0.003 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

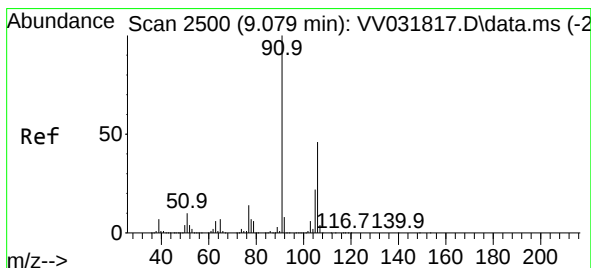
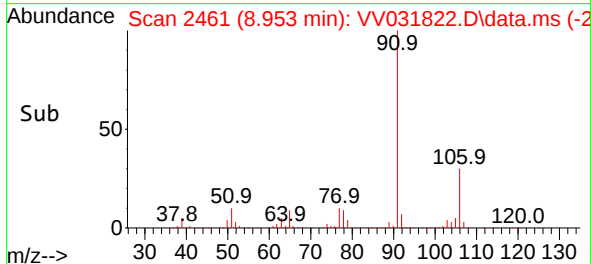
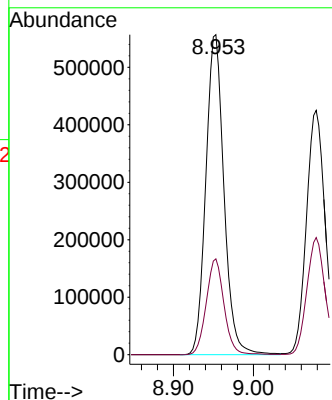
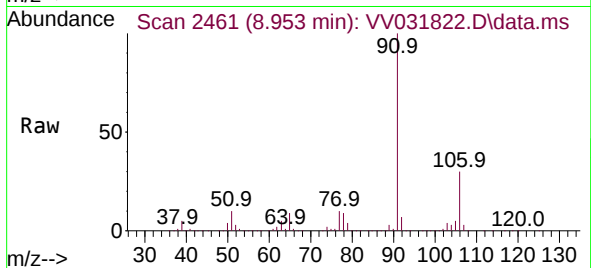
ClientSampleId :

Tgt Ion: 91 Resp: 878435

Ion Ratio Lower Upper

91 100

106 29.9 21.5 39.9



#53

m,p-Xylene

Concen: 58.807 ug/L

RT: 9.078 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031822.D

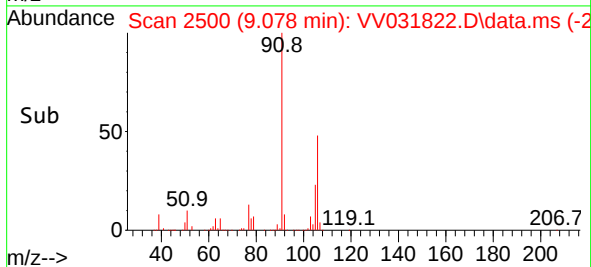
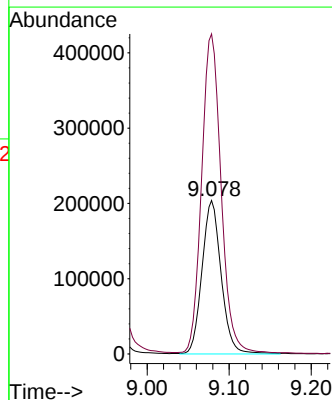
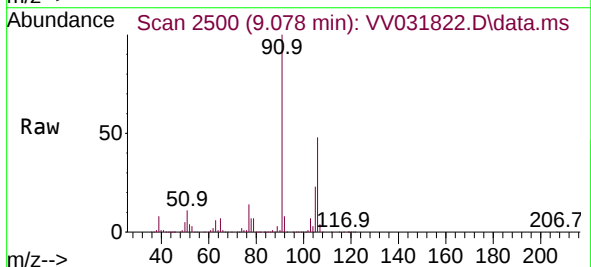
Acq: 16 Aug 2023 15:27

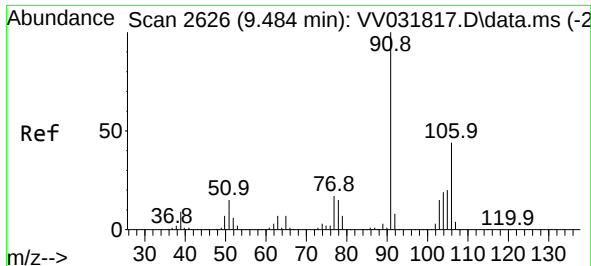
Tgt Ion:106 Resp: 329993

Ion Ratio Lower Upper

106 100

91 208.6 145.6 270.4

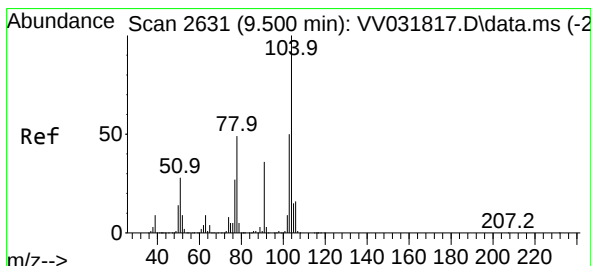
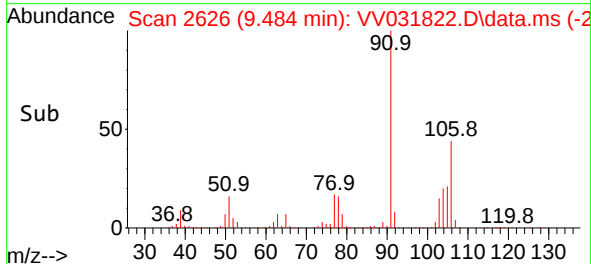
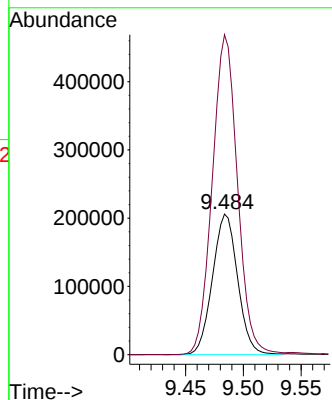
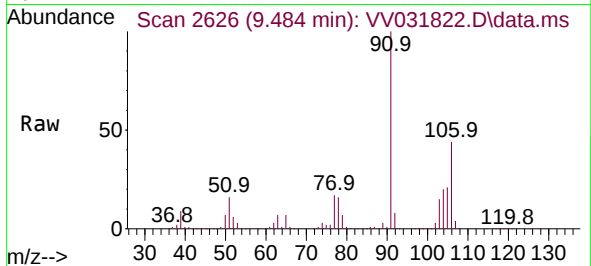




#54
o-Xylene
Concen: 57.902 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

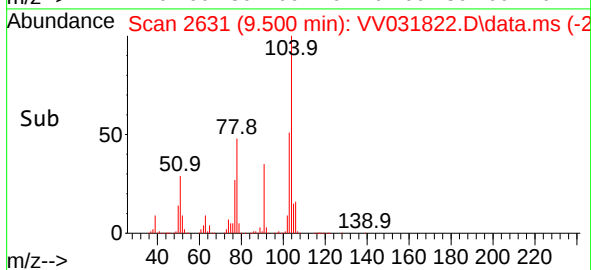
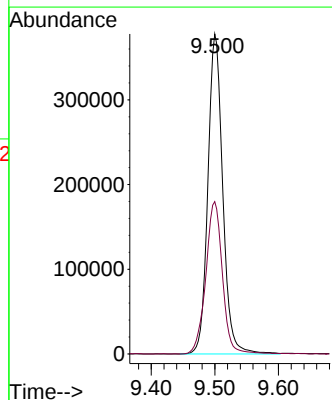
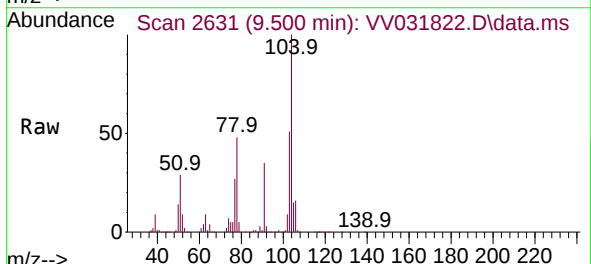
Instrument :
MSVOA_V
ClientSampleId :

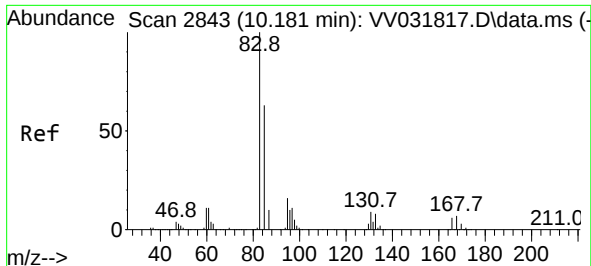
Tgt Ion:106 Resp: 311406
Ion Ratio Lower Upper
106 100
91 227.5 163.0 302.6



#55
Styrene
Concen: 62.437 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

Tgt Ion:104 Resp: 613405
Ion Ratio Lower Upper
104 100
78 47.6 34.4 64.0





#57

1,1,2,2-Tetrachloroethane

Concen: 53.440 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

ClientSampleId :

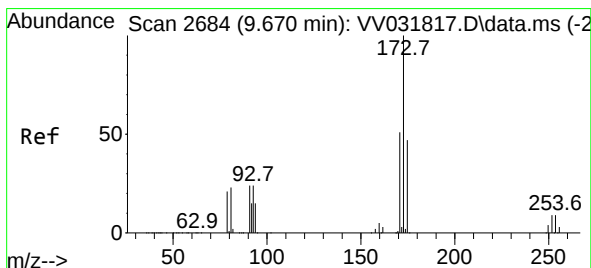
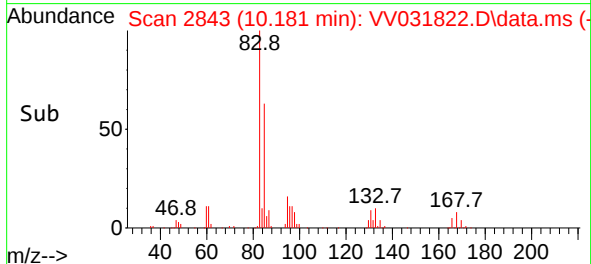
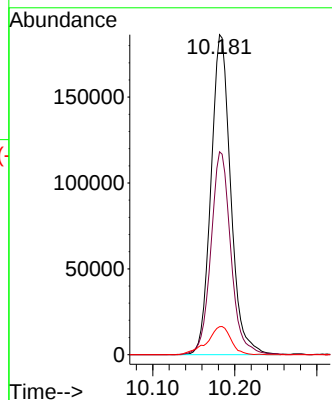
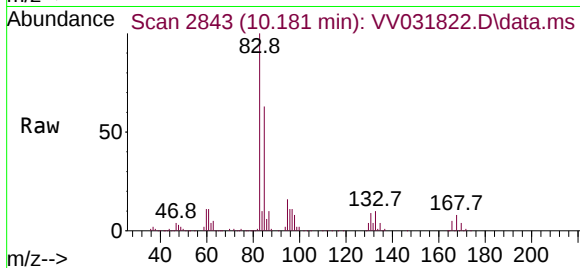
Tgt Ion: 83 Resp: 310549

Ion Ratio Lower Upper

83 100

85 63.4 43.4 80.6

131 12.5 10.9 16.3



#59

Bromoform

Concen: 52.072 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

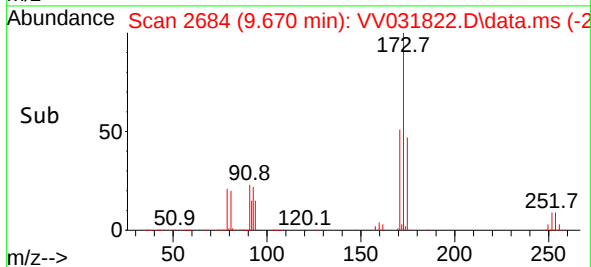
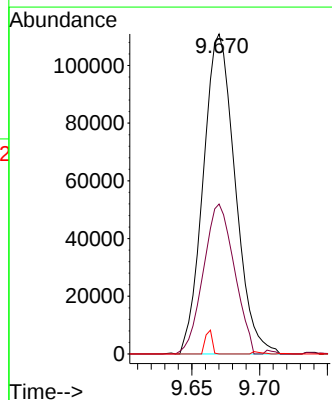
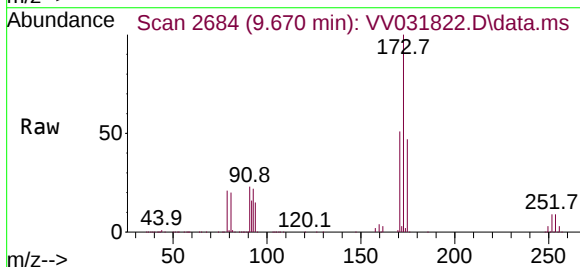
Tgt Ion: 173 Resp: 181299

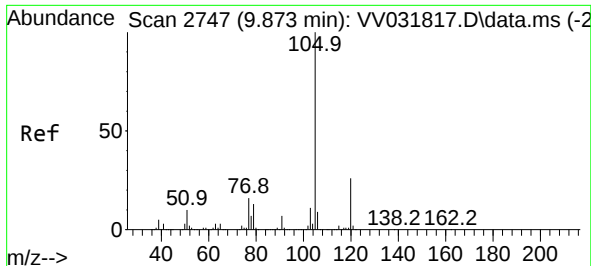
Ion Ratio Lower Upper

173 100

175 45.4 38.6 58.0

254 1.6 6.9 10.3

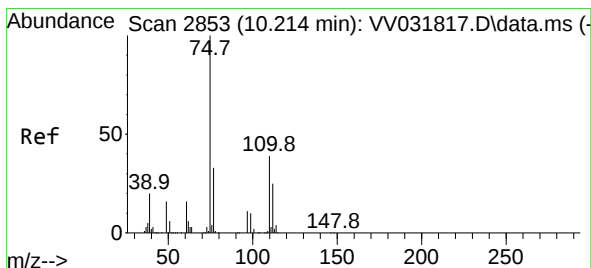
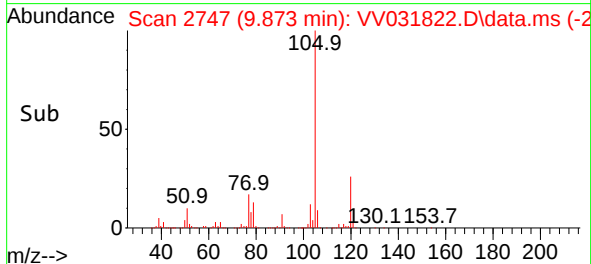
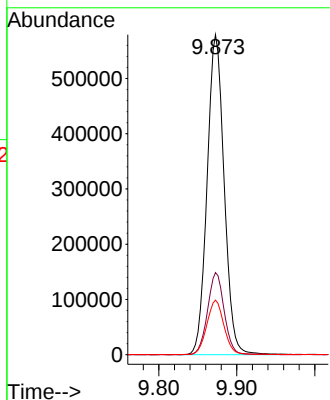
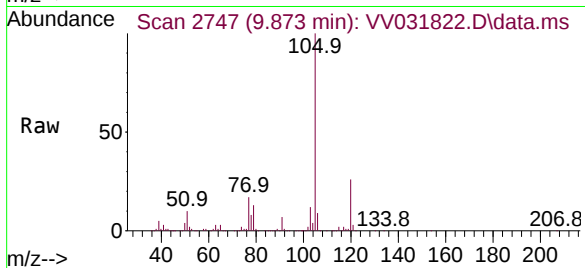




#60
Isopropylbenzene
Concen: 55.428 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

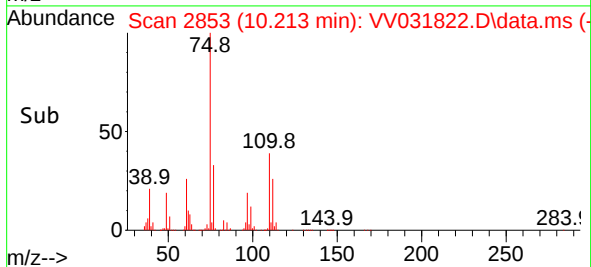
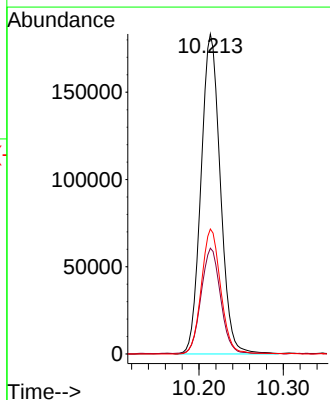
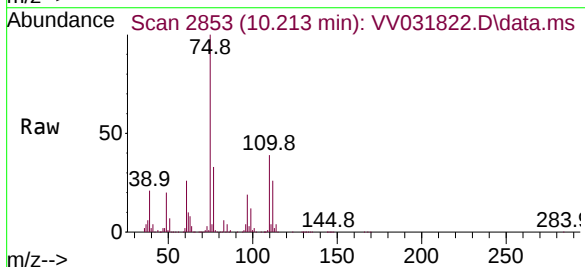
Instrument :
MSVOA_V
ClientSampleId :

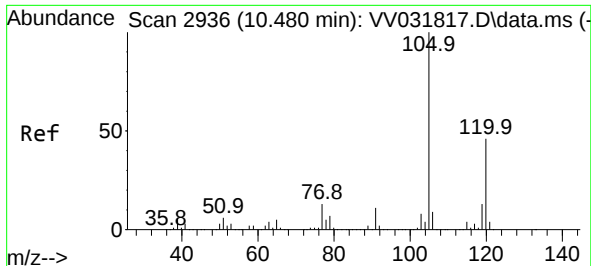
Tgt Ion:105 Resp: 878421
Ion Ratio Lower Upper
105 100
120 25.0 20.6 30.8
77 16.9 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 49.185 ug/L
RT: 10.213 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031822.D
Acq: 16 Aug 2023 15:27

Tgt Ion: 75 Resp: 292960
Ion Ratio Lower Upper
75 100
77 33.0 25.1 37.7
110 38.9 31.4 47.0





#62

1,3,5-Trimethylbenzene

Concen: 54.430 ug/L

RT: 10.484 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

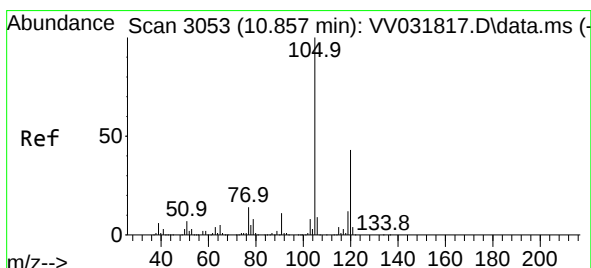
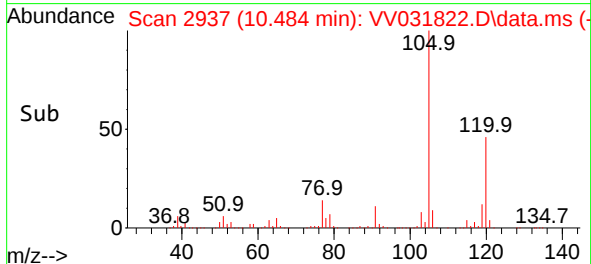
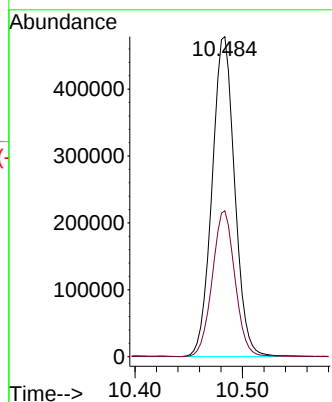
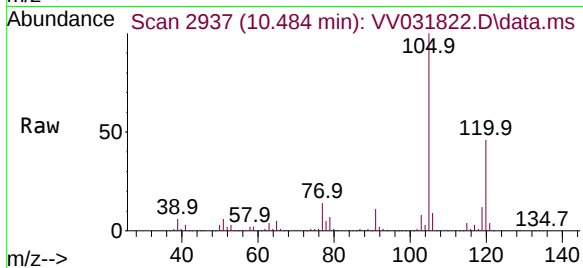
ClientSampleId :

Tgt Ion:105 Resp: 697946

Ion Ratio Lower Upper

105 100

120 45.8 37.4 56.0



#63

1,2,4-Trimethylbenzene

Concen: 55.675 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VV031822.D

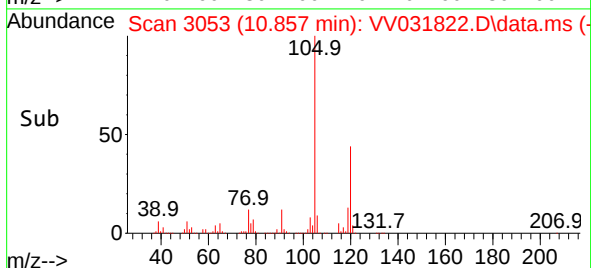
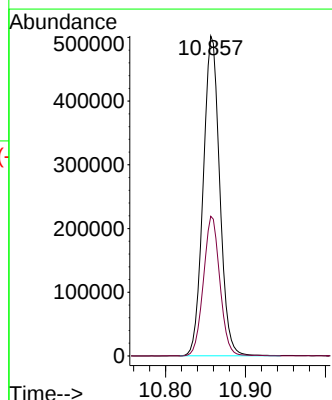
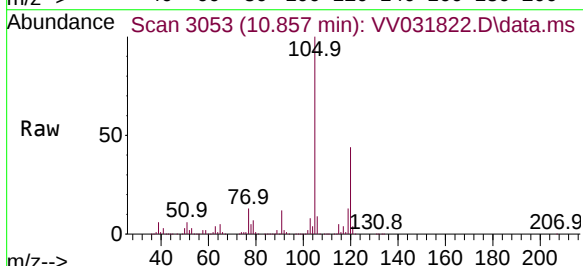
Acq: 16 Aug 2023 15:27

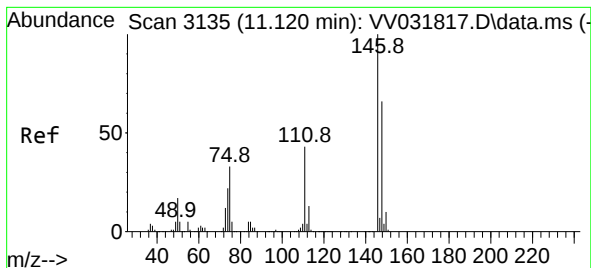
Tgt Ion:105 Resp: 722705

Ion Ratio Lower Upper

105 100

120 43.5 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 54.300 ug/L

RT: 11.123 min Scan# 3135

Delta R.T. 0.003 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

ClientSampleId :

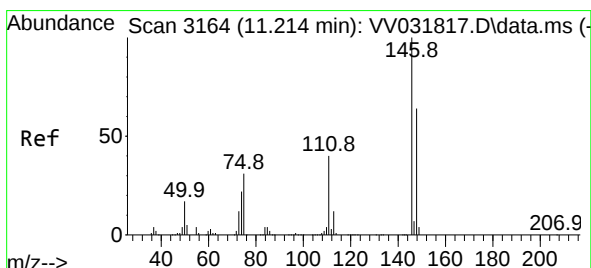
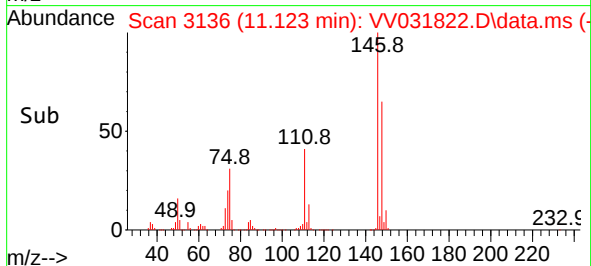
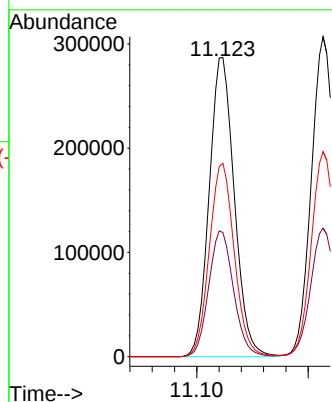
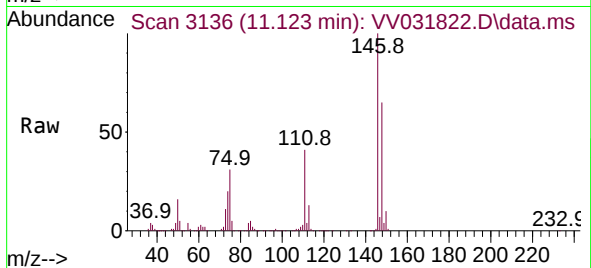
Tgt Ion:146 Resp: 449840

Ion Ratio Lower Upper

146 100

111 41.5 28.3 52.5

148 64.7 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 53.587 ug/L

RT: 11.213 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

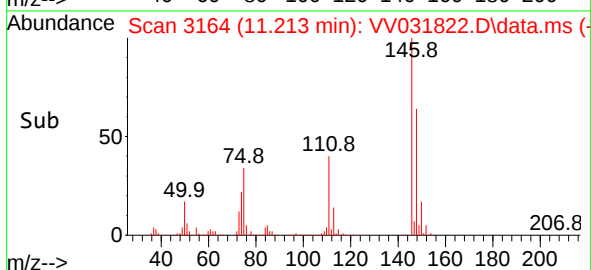
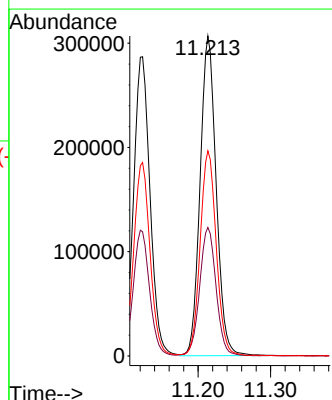
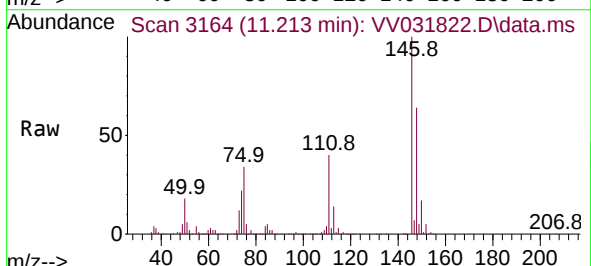
Tgt Ion:146 Resp: 471920

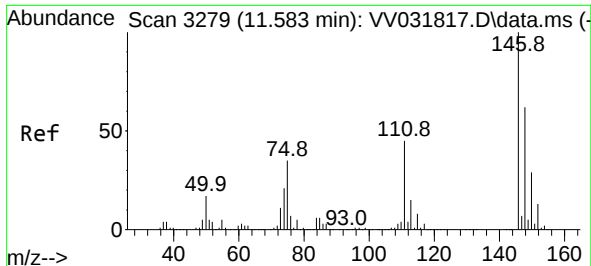
Ion Ratio Lower Upper

146 100

111 40.2 28.3 52.7

148 64.1 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 52.349 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

ClientSampleId :

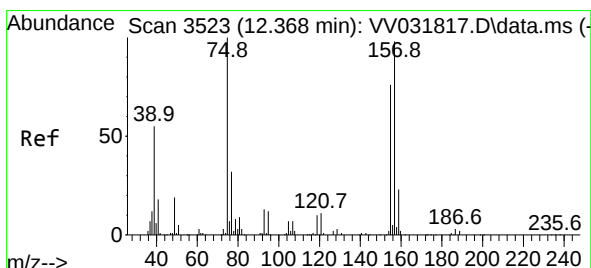
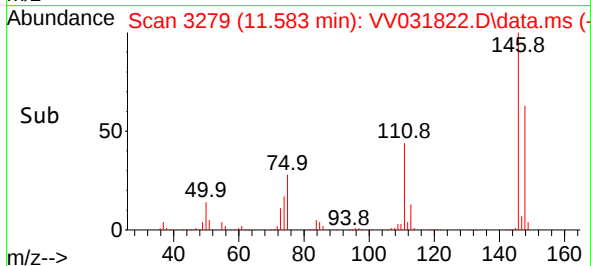
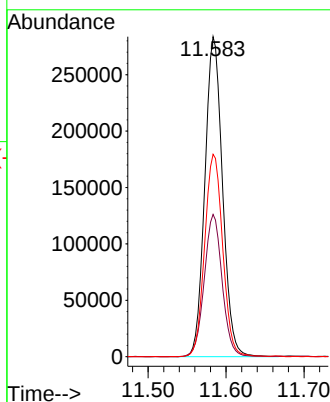
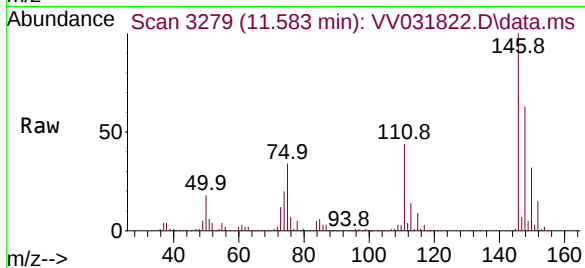
Tgt Ion:146 Resp: 446525

Ion Ratio Lower Upper

146 100

111 44.4 34.8 52.2

148 63.2 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 48.719 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

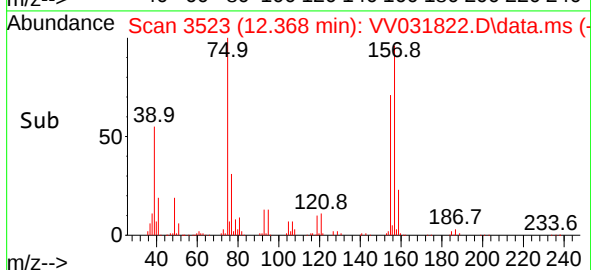
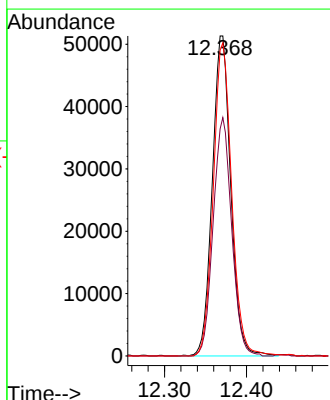
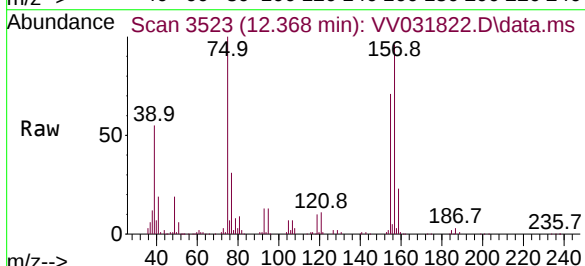
Tgt Ion: 75 Resp: 80710

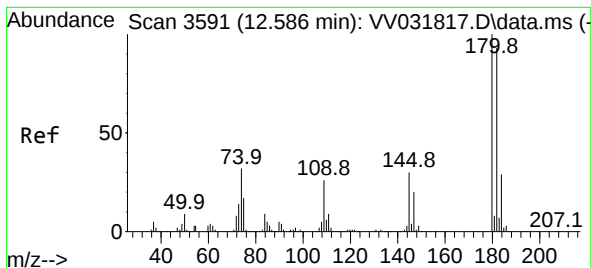
Ion Ratio Lower Upper

75 100

155 76.0 59.9 89.9

157 99.0 77.6 116.4





#69

1,3,5-Trichlorobenzene

Concen: 52.545 ug/L

RT: 12.590 min Scan# 317483

Delta R.T. 0.003 min

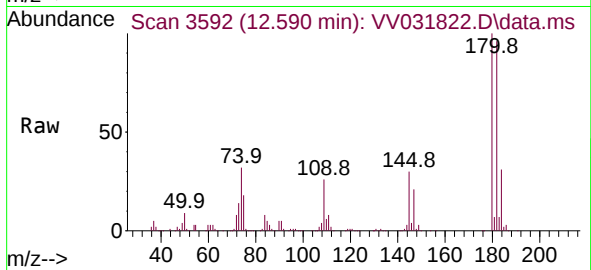
Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 317483

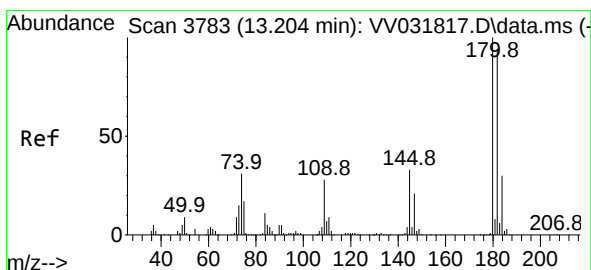
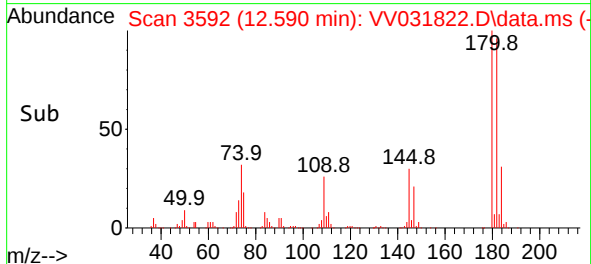
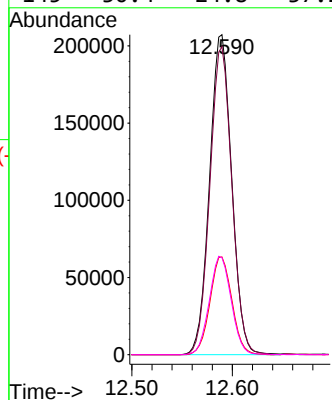
Ion Ratio Lower Upper

180 100

182 95.5 75.5 113.3

184 30.2 23.7 35.5

145 30.4 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 50.980 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

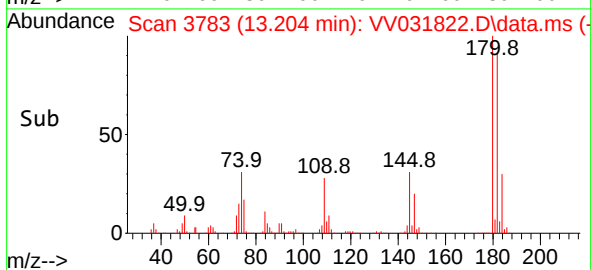
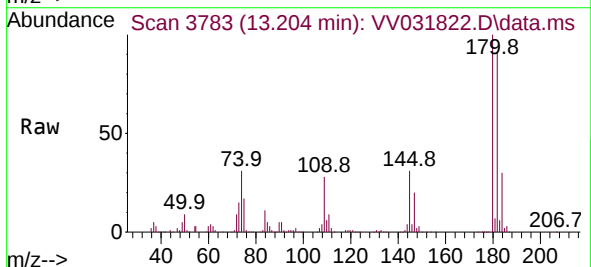
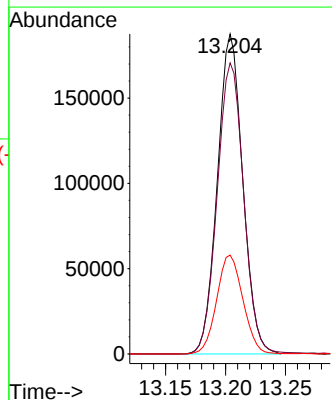
Tgt Ion:180 Resp: 275576

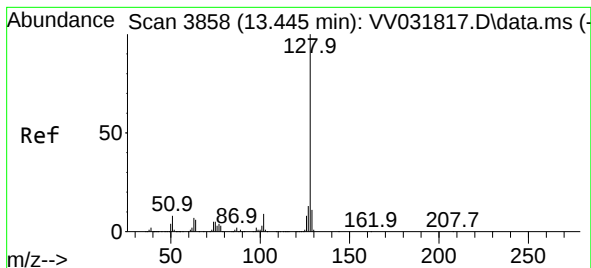
Ion Ratio Lower Upper

180 100

182 94.8 76.6 114.8

145 32.0 25.4 38.2





#71

Naphthalene

Concen: 52.231 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Instrument :

MSVOA_V

ClientSampleId :

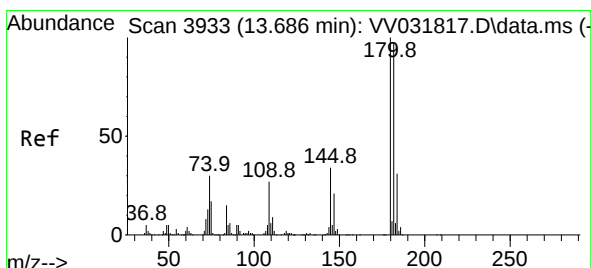
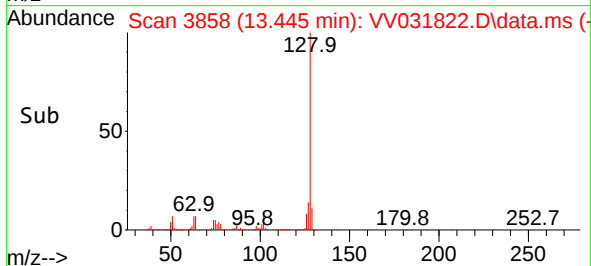
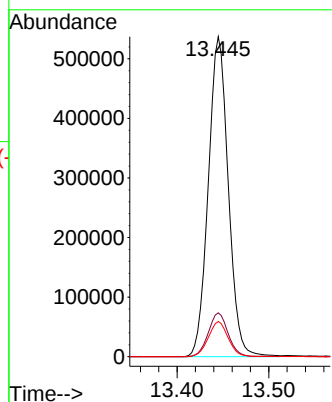
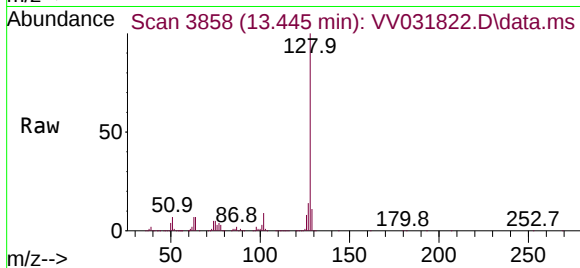
Tgt Ion:128 Resp: 813852

Ion Ratio Lower Upper

128 100

127 13.6 11.0 16.4

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 54.020 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031822.D

Acq: 16 Aug 2023 15:27

Tgt Ion:180 Resp: 305237

Ion Ratio Lower Upper

180 100

182 95.4 76.7 115.1

145 34.1 27.7 41.5

