

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082523\
 Data File : VV031923.D
 Acq On : 25 Aug 2023 09:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 26 00:48:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 24 01:40:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	249318	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	238842	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	125611	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	66168	42.407	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.820%
7) Chloroethane-d5	1.532	69	63579	46.483	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.960%
11) 1,1-Dichloroethene-d2	2.059	65	32404	44.351	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.700%
21) 2-Butanone-d5	3.796	46	116271	94.746	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.750%
24) Chloroform-d	4.249	84	161651	47.399	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	4.944	65	103755	45.843	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.680%
32) Benzene-d6	4.960	84	319828	49.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.140%
36) 1,2-Dichloropropane-d6	5.989	67	107049	51.032	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.060%
41) Toluene-d8	7.246	98	284224	47.331	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.660%
43) trans-1,3-Dichloroprop...	7.554	79	44389	40.827	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.660%
47) 2-Hexanone-d5	8.027	63	58461	90.928	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.930%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	139506	51.465	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.920%
66) 1,2-Dichlorobenzene-d4	11.564	152	109338	47.750	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	71058	46.817	ug/L	98
3) Chloromethane	1.217	50	78033	50.419	ug/L	100
5) Vinyl chloride	1.285	62	85081	51.475	ug/L	99
6) Bromomethane	1.490	94	45102	46.345	ug/L	97
8) Chloroethane	1.551	64	57801	52.620	ug/L	97
9) Trichlorofluoromethane	1.715	101	114563	47.548	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	70139	48.213	ug/L	98
12) 1,1-Dichloroethene	2.072	96	64530	49.385	ug/L	85
13) Acetone	2.127	43	83748	76.674	ug/L	100
14) Carbon disulfide	2.243	76	156345	52.511	ug/L	100
15) Methyl Acetate	2.378	43	124495	63.908	ug/L	100
16) Methylene chloride	2.449	84	86238	51.358	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	72220	50.413	ug/L	96
18) Methyl tert-butyl Ether	2.706	73	309049	51.045	ug/L	98
19) 1,1-Dichloroethane	3.114	63	166249	51.784	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	92210	51.305	ug/L	98
22) 2-Butanone	3.876	43	127691	88.348	ug/L	97
23) Bromochloromethane	4.149	128	44066	50.536	ug/L	97
25) Chloroform	4.278	83	165362	49.540	ug/L	99

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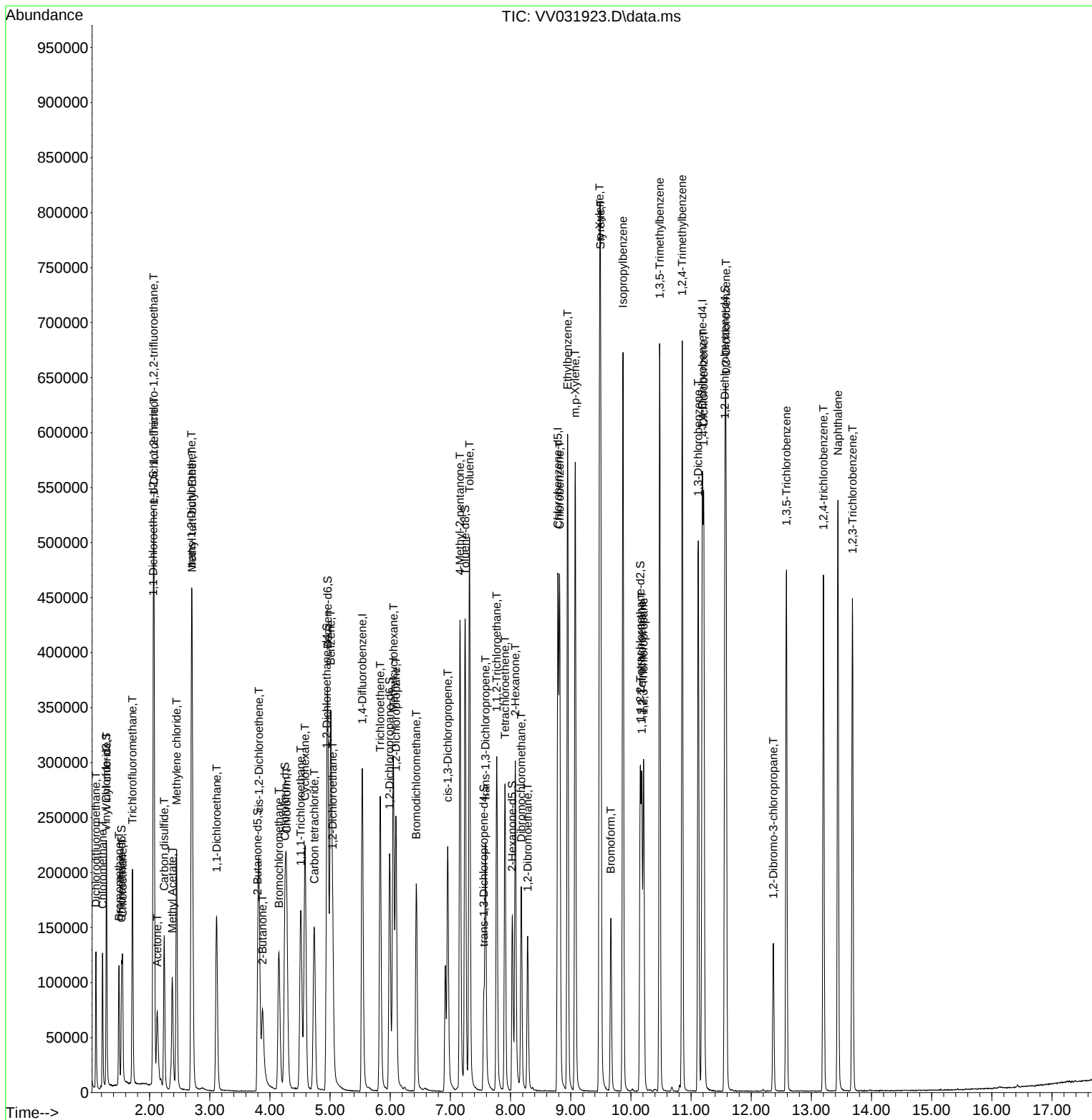
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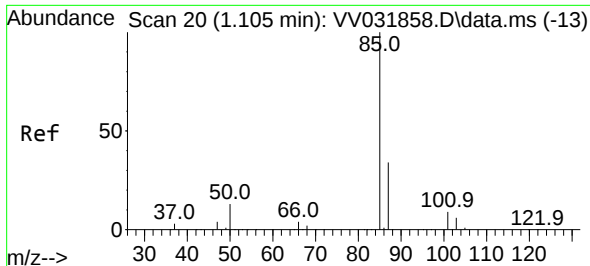
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 24 01:40:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	130638	49.678	ug/L	97
29) Cyclohexane	4.583	56	134343	54.022	ug/L	97
30) 1,1,1-Trichloroethane	4.513	97	139265	49.989	ug/L	100
31) Carbon tetrachloride	4.738	117	113945	48.167	ug/L	98
33) Benzene	5.011	78	337965	52.663	ug/L	100
34) Trichloroethene	5.834	95	96024	48.925	ug/L	99
35) Methylcyclohexane	6.053	83	129184	49.485	ug/L	98
37) 1,2-Dichloropropane	6.095	63	98015	53.884	ug/L	100
38) Bromodichloromethane	6.432	83	128636	49.822	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	139446	44.093	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	295417	102.322	ug/L	99
42) Toluene	7.316	91	364941	51.696	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	127738	42.038	ug/L	98
45) 1,1,2-Trichloroethane	7.770	97	93218	50.725	ug/L	99
46) Tetrachloroethene	7.908	164	60305	48.934	ug/L	99
48) 2-Hexanone	8.079	43	195057	88.469	ug/L	99
49) Dibromochloromethane	8.178	129	94935	50.272	ug/L	97
50) 1,2-Dibromoethane	8.284	107	95398	49.562	ug/L	99
51) Chlorobenzene	8.815	112	234915	50.080	ug/L	99
52) Ethylbenzene	8.947	91	421867	50.450	ug/L	99
53) m,p-Xylene	9.075	106	154381	49.723	ug/L	99
54) o-Xylene	9.480	106	153045	49.561	ug/L	100
55) Styrene	9.496	104	275228	50.417	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	138400	53.200	ug/L	99
59) Bromoform	9.667	173	66676	51.188	ug/L	100
60) Isopropylbenzene	9.869	105	430321	51.148	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	119256	50.252	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	352613	49.818	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	357694	50.236	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	190673	50.570	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	193233	50.400	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	188370	50.417	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	33809	47.429	ug/L	97
69) 1,3,5-Trichlorobenzene	12.586	180	133583	48.599	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	131356	49.786	ug/L	99
71) Naphthalene	13.442	128	394328	46.779	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	125110	49.485	ug/L	99

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

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QLast Update : Thu Aug 24 01:40:47 2023
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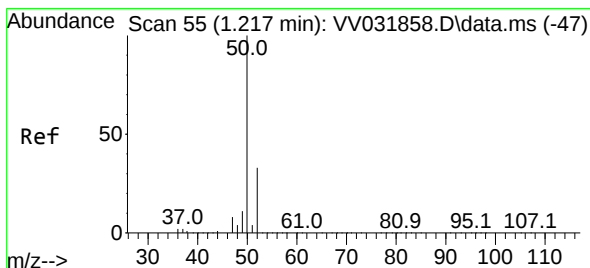
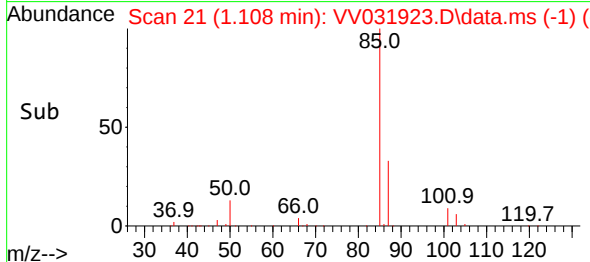
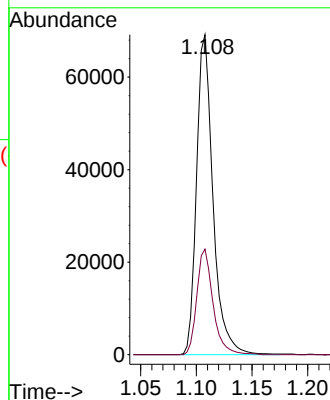
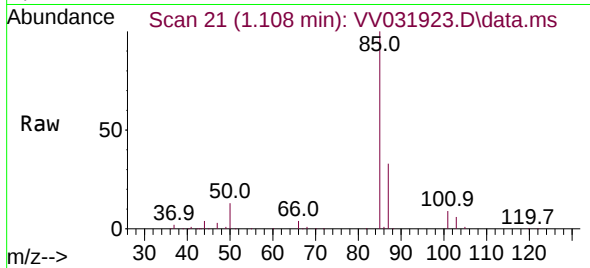




#2
 Dichlorodifluoromethane
 Concen: 46.817 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV031923.D
 Acq: 25 Aug 2023 09:29

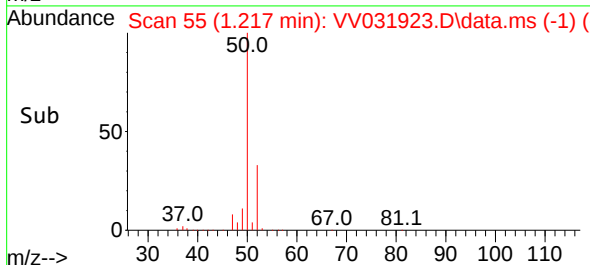
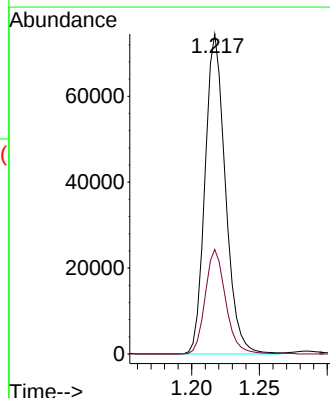
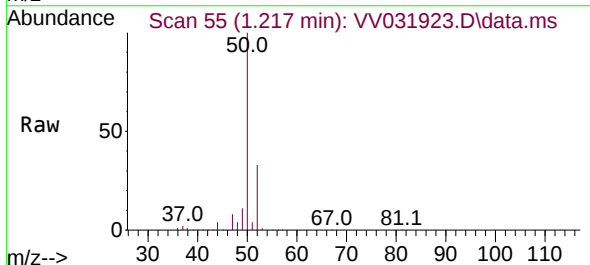
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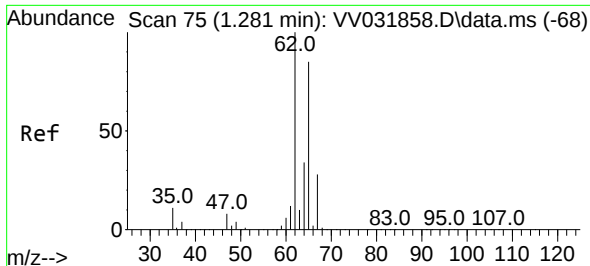
Tgt Ion: 85 Resp: 71058
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.8 40.2



#3
 Chloromethane
 Concen: 50.419 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031923.D
 Acq: 25 Aug 2023 09:29

Tgt Ion: 50 Resp: 78033
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.0 42.6

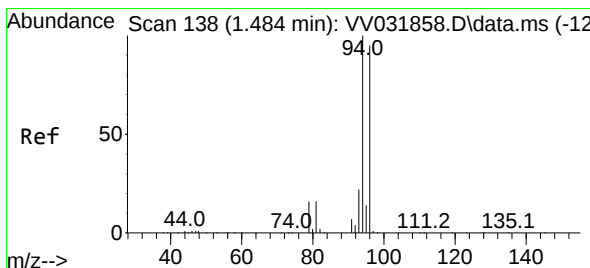
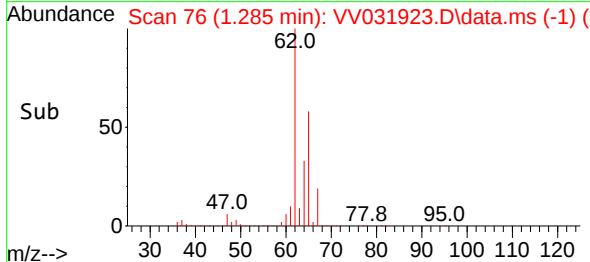
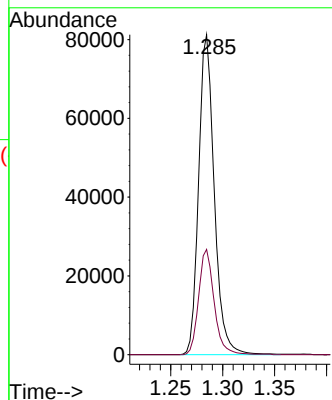
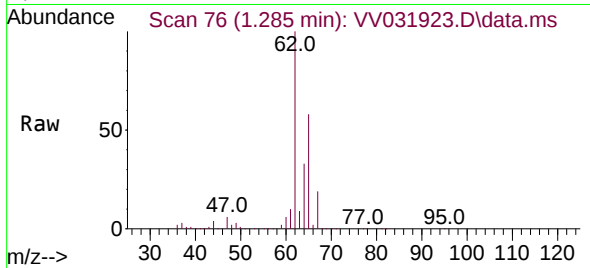




#5
 Vinyl chloride
 Concen: 51.475 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV031923.D
 Acq: 25 Aug 2023 09:29

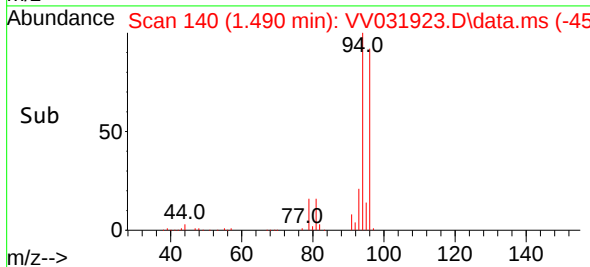
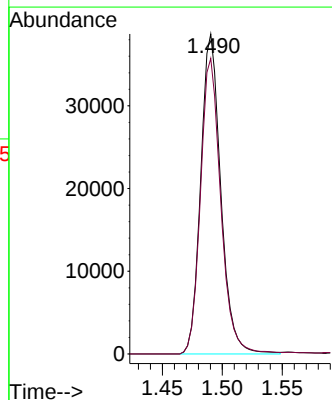
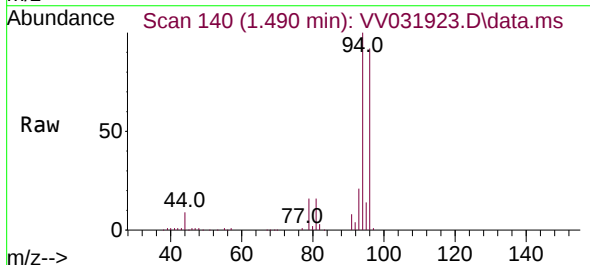
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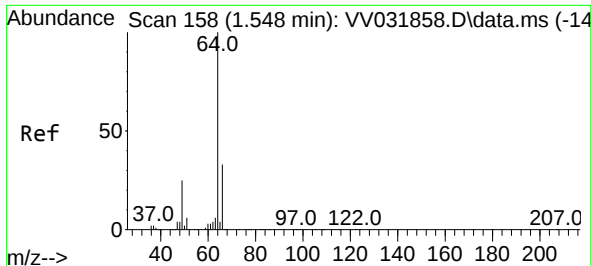
Tgt Ion: 62 Resp: 85081
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.6 43.8



#6
 Bromomethane
 Concen: 46.345 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.006 min
 Lab File: VV031923.D
 Acq: 25 Aug 2023 09:29

Tgt Ion: 94 Resp: 45102
 Ion Ratio Lower Upper
 94 100
 96 92.3 66.4 123.4

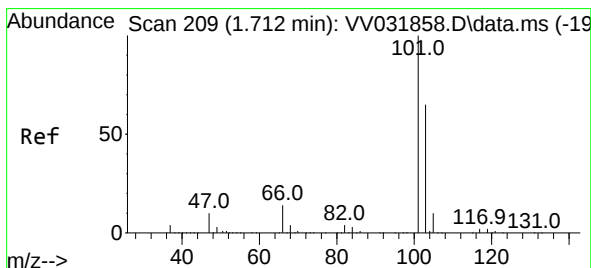
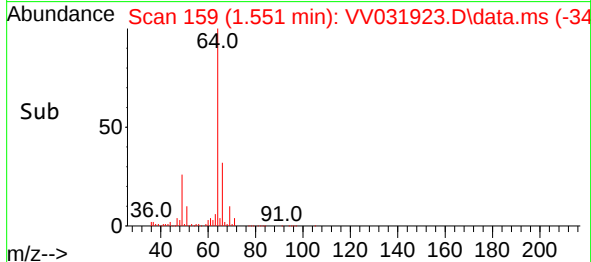
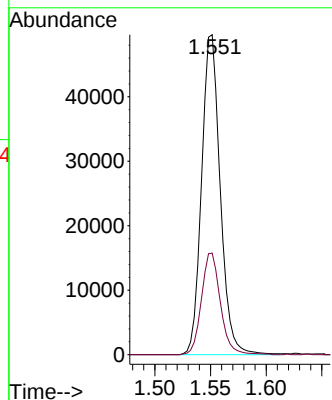
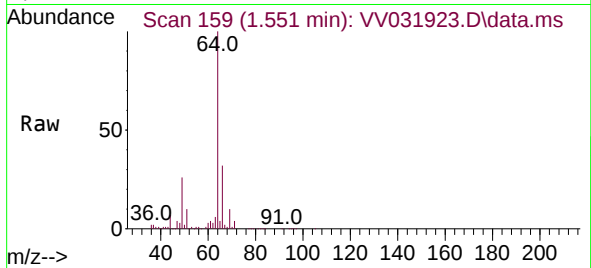




#8
Chloroethane
Concen: 52.620 ug/L
RT: 1.551 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

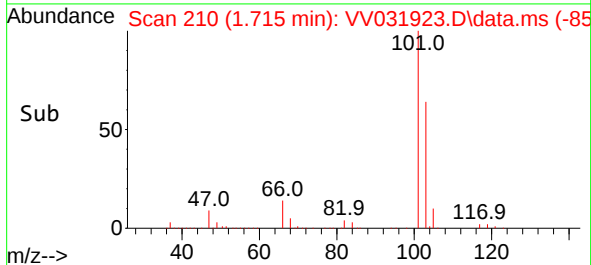
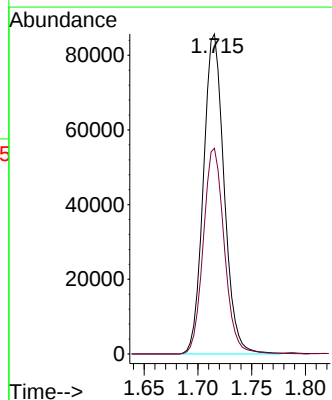
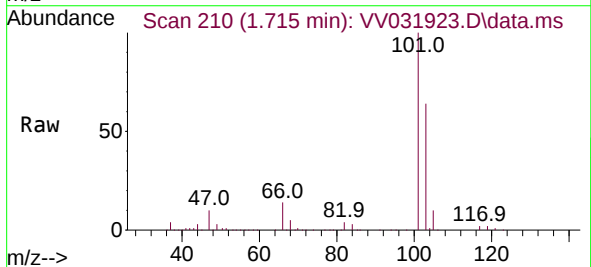
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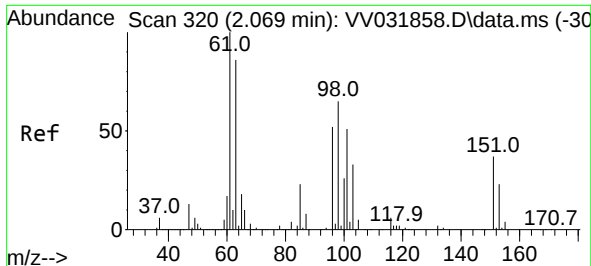
Tgt Ion: 64 Resp: 57801
Ion Ratio Lower Upper
64 100
66 31.7 23.2 43.2



#9
Trichlorofluoromethane
Concen: 47.548 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

Tgt Ion: 101 Resp: 114563
Ion Ratio Lower Upper
101 100
103 65.2 51.9 77.9

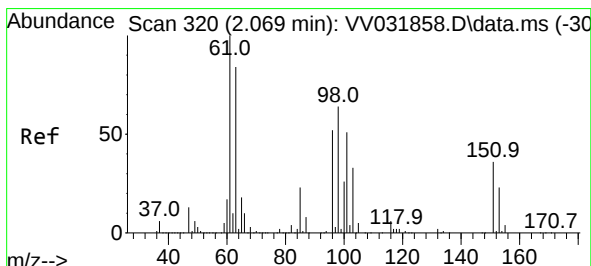
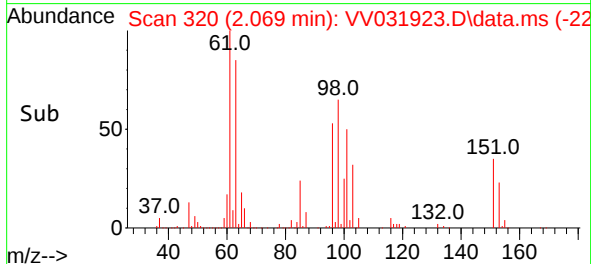
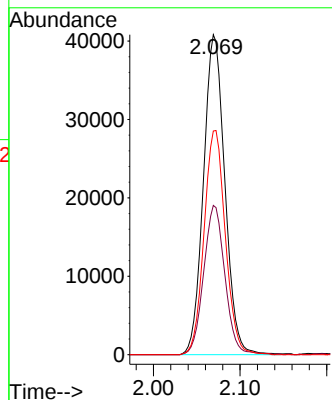
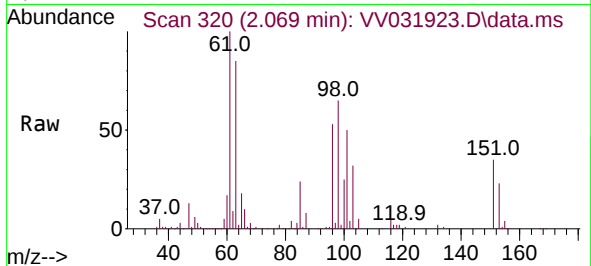




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.213 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV031923.D
 Acq: 25 Aug 2023 09:29

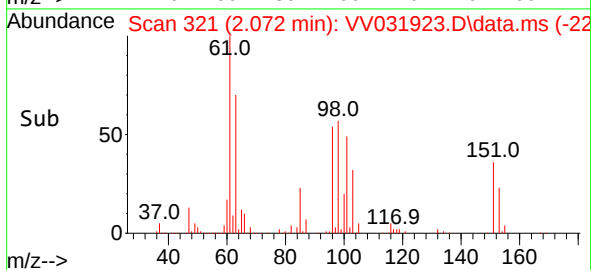
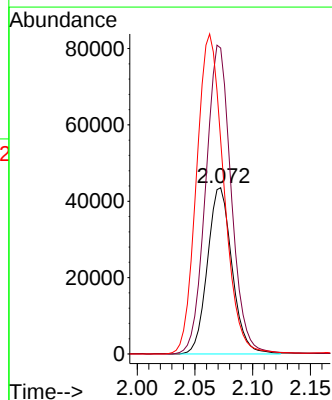
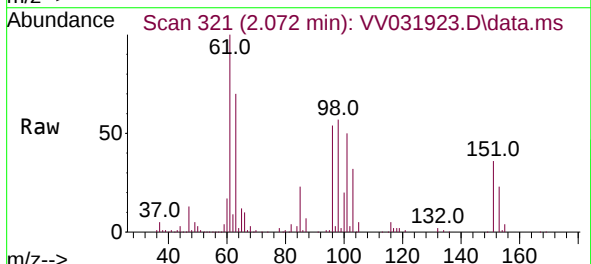
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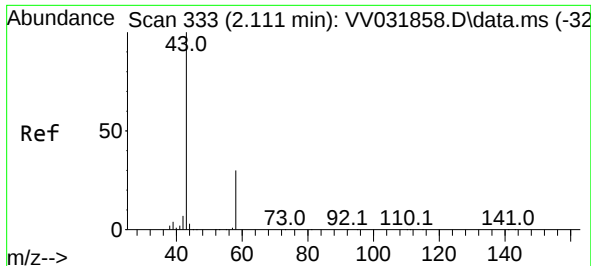
Tgt Ion:101 Resp: 70139
 Ion Ratio Lower Upper
 101 100
 85 46.2 35.8 53.8
 151 69.7 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 49.385 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV031923.D
 Acq: 25 Aug 2023 09:29

Tgt Ion: 96 Resp: 64530
 Ion Ratio Lower Upper
 96 100
 61 184.0 133.8 248.6
 63 128.4 115.2 214.0





#13

Acetone

Concen: 76.674 ug/L

RT: 2.127 min Scan# 31

Delta R.T. 0.016 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

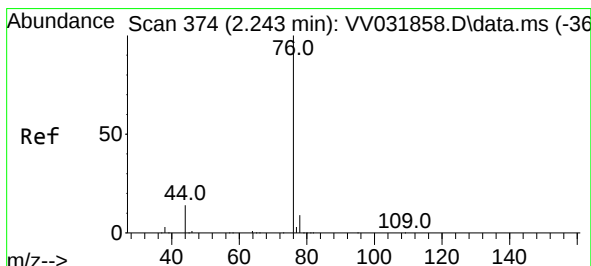
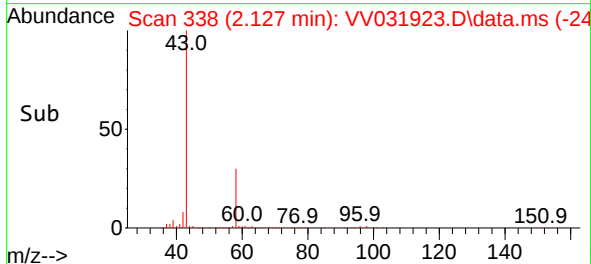
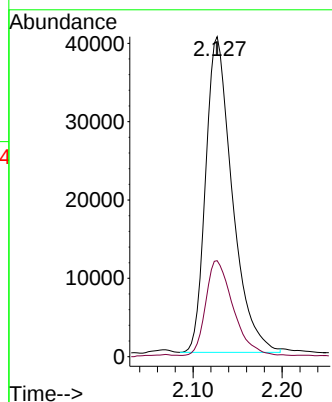
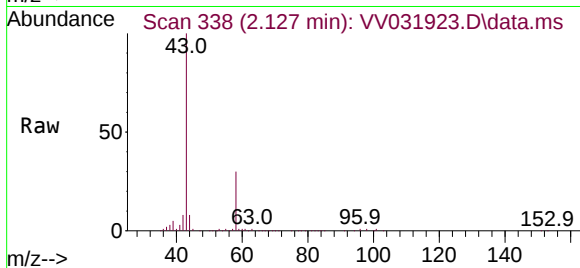
ClientSampleId :

Tgt Ion: 43 Resp: 83748

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.0



#14

Carbon disulfide

Concen: 52.511 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV031923.D

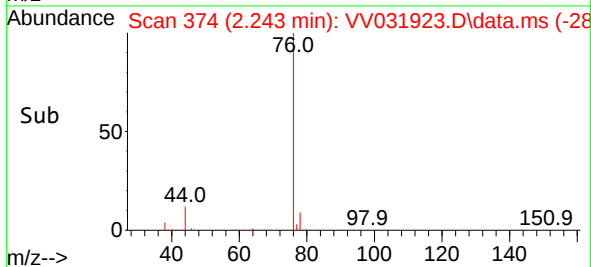
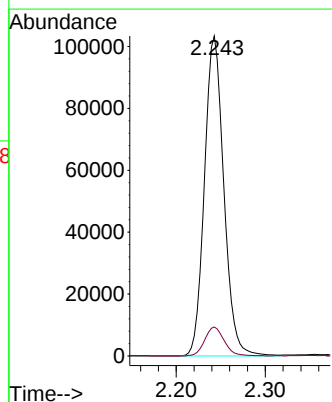
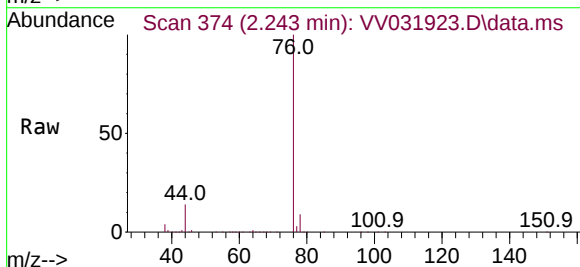
Acq: 25 Aug 2023 09:29

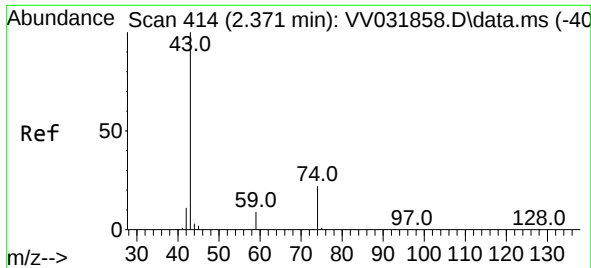
Tgt Ion: 76 Resp: 156345

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

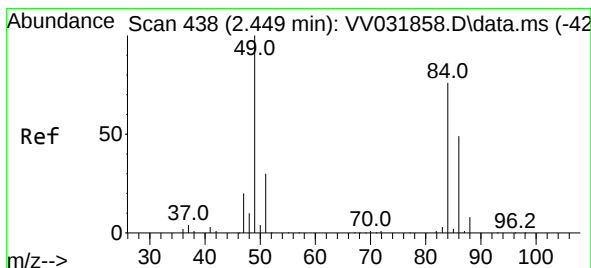
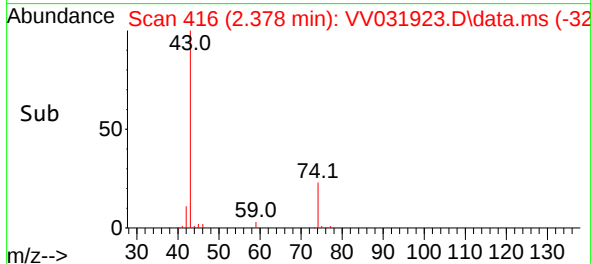
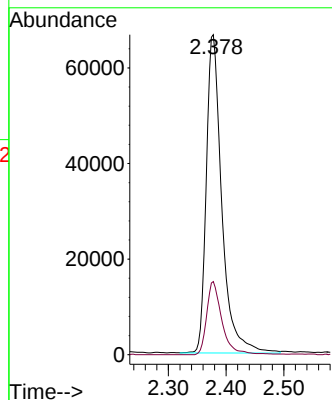
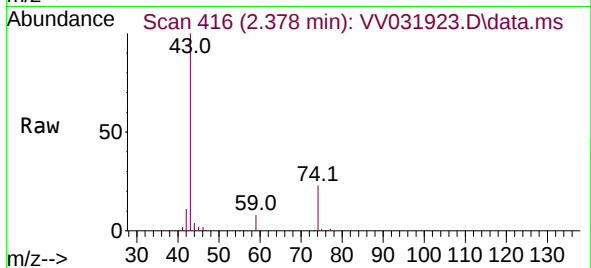




#15
Methyl Acetate
Concen: 63.908 ug/L
RT: 2.378 min Scan# 414
Delta R.T. 0.006 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

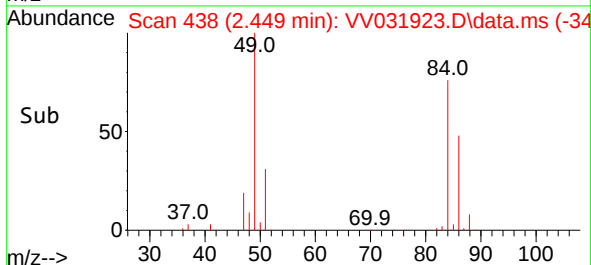
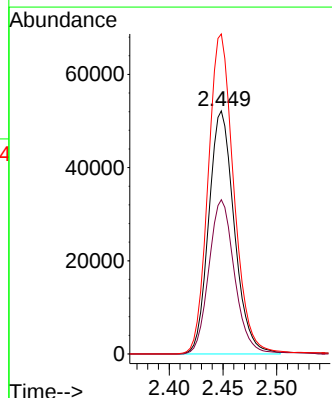
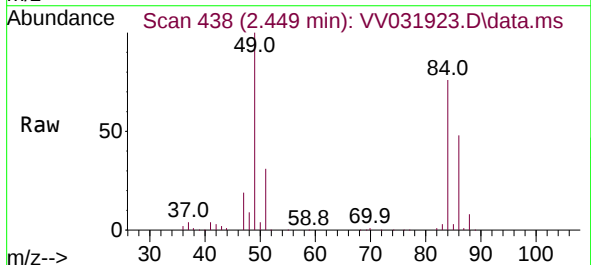
Instrument :
MSVOA_V
ClientSampleId :

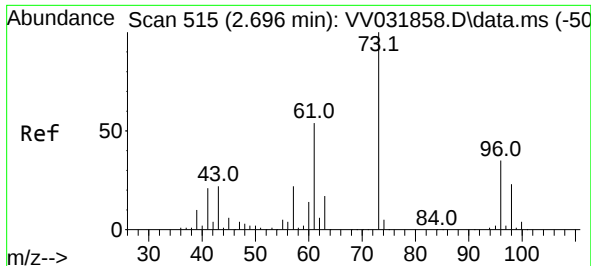
Tgt Ion: 43 Resp: 124495
Ion Ratio Lower Upper
43 100
74 22.3 17.9 26.9



#16
Methylene chloride
Concen: 51.358 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

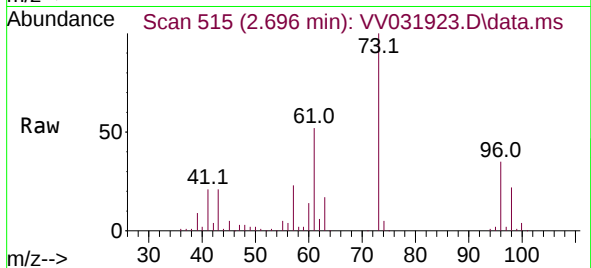
Tgt Ion: 84 Resp: 86238
Ion Ratio Lower Upper
84 100
86 63.4 44.6 82.8
49 131.6 91.6 170.2



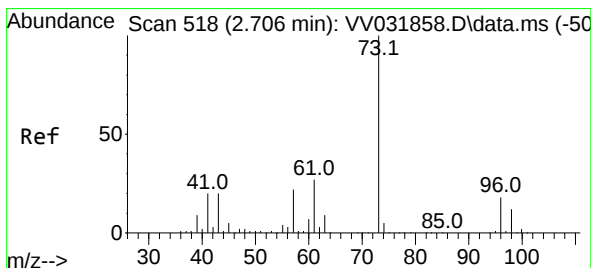
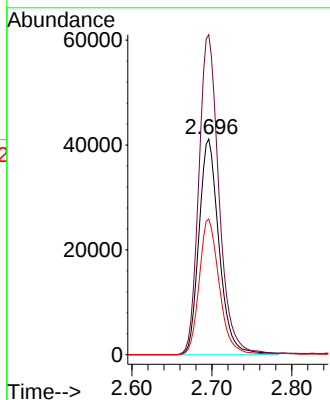
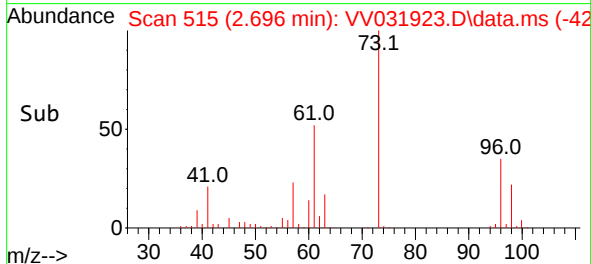


#17
trans-1,2-Dichloroethene
Concen: 50.413 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

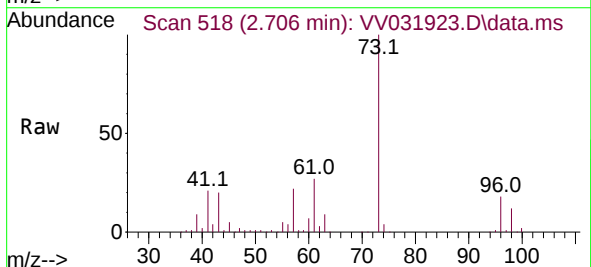
Instrument :
MSVOA_V
ClientSampleId :



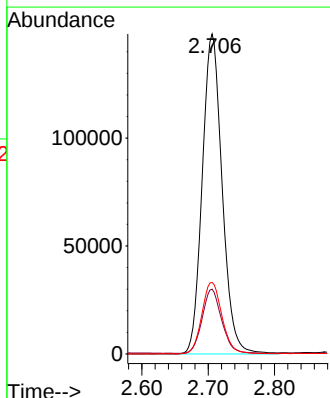
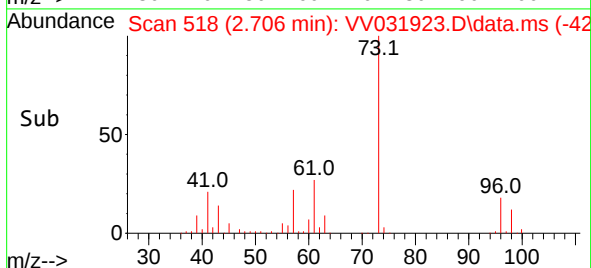
Tgt Ion: 96 Resp: 72220
Ion Ratio Lower Upper
96 100
61 148.3 107.3 199.3
98 62.9 46.3 85.9

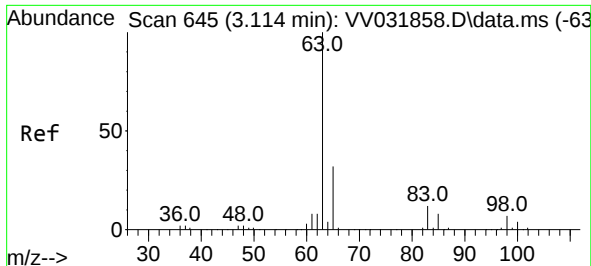


#18
Methyl tert-butyl Ether
Concen: 51.045 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.000 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29



Tgt Ion: 73 Resp: 309049
Ion Ratio Lower Upper
73 100
43 19.6 16.6 25.0
57 22.8 17.6 26.4





#19

1,1-Dichloroethane

Concen: 51.784 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

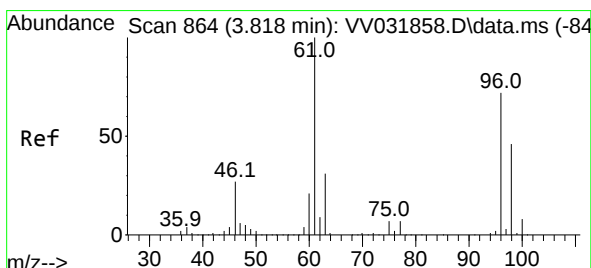
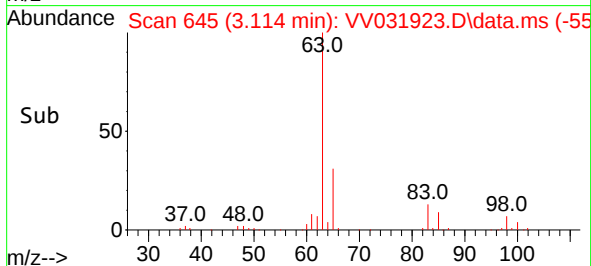
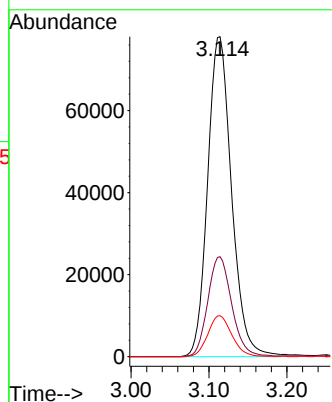
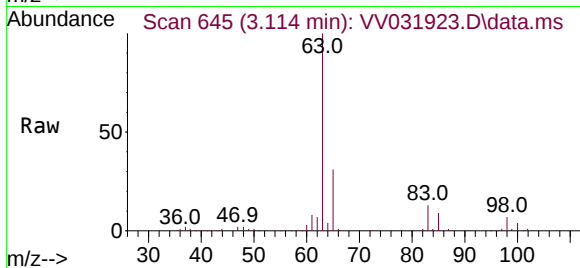
Tgt Ion: 63 Resp: 166249

Ion Ratio Lower Upper

63 100

65 31.3 22.4 41.6

83 12.8 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 51.305 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.003 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

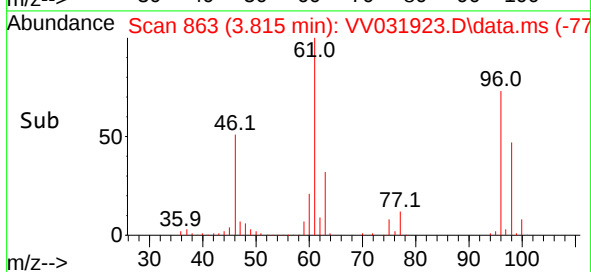
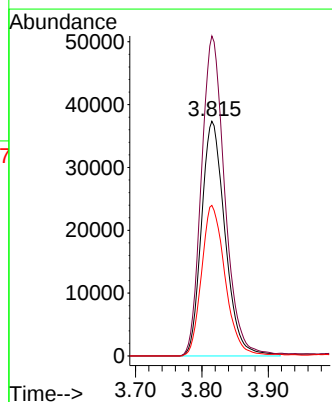
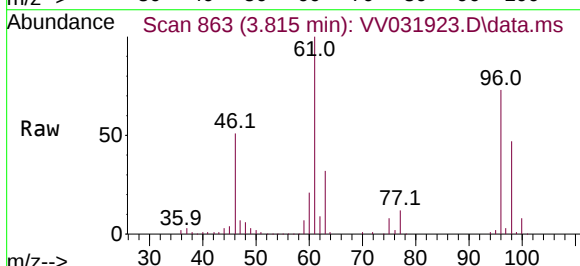
Tgt Ion: 96 Resp: 92210

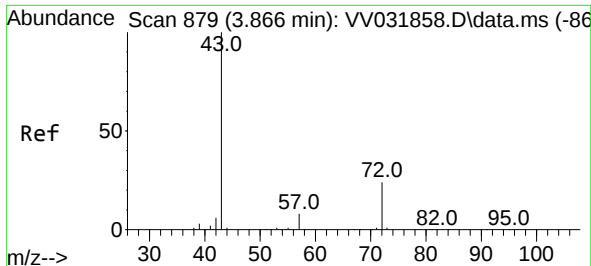
Ion Ratio Lower Upper

96 100

61 136.4 97.3 180.7

98 64.2 45.3 84.1

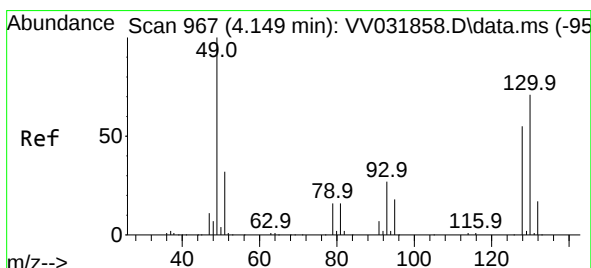
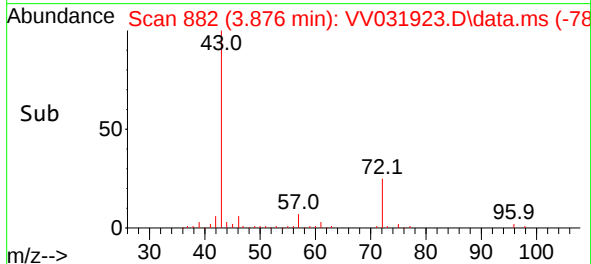
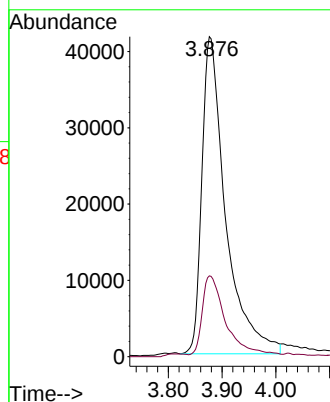
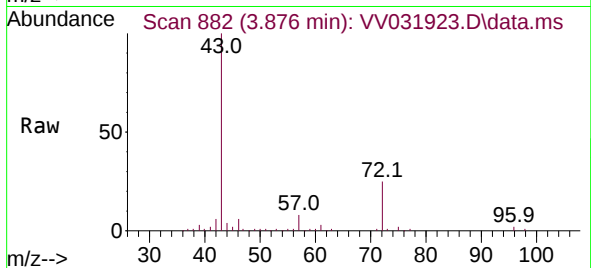




#22
2-Butanone
Concen: 88.348 ug/L
RT: 3.876 min Scan# 879
Delta R.T. 0.010 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

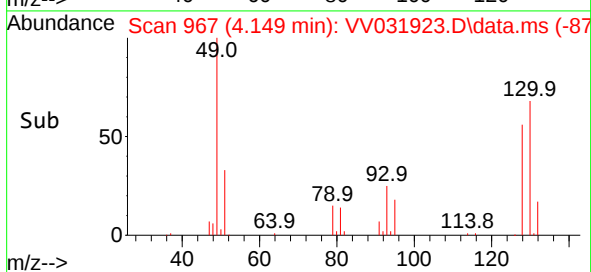
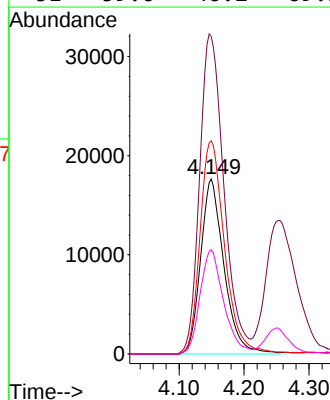
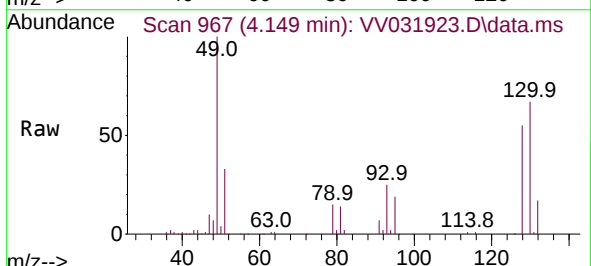
Instrument :
MSVOA_V
ClientSampleId :

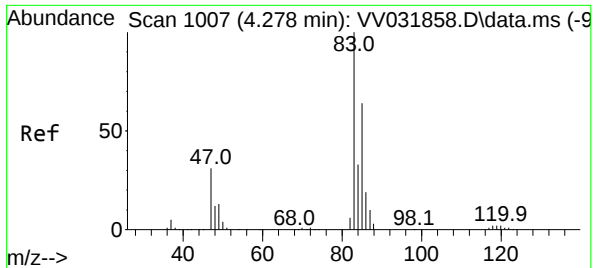
Tgt Ion: 43 Resp: 127691
Ion Ratio Lower Upper
43 100
72 23.6 12.6 37.8



#23
Bromochloromethane
Concen: 50.536 ug/L
RT: 4.149 min Scan# 967
Delta R.T. -0.000 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

Tgt Ion:128 Resp: 44066
Ion Ratio Lower Upper
128 100
49 181.4 127.8 237.4
130 121.7 90.1 167.3
51 59.6 46.2 69.2

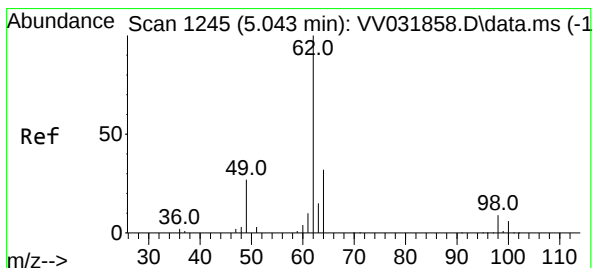
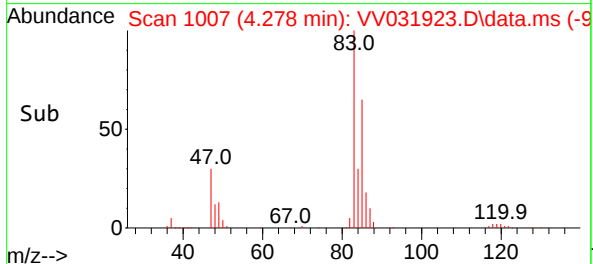
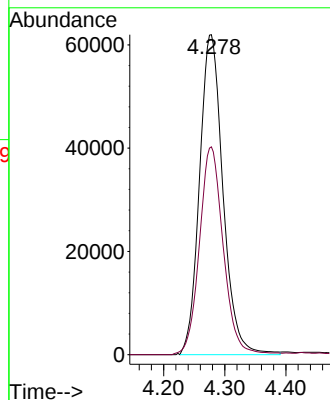
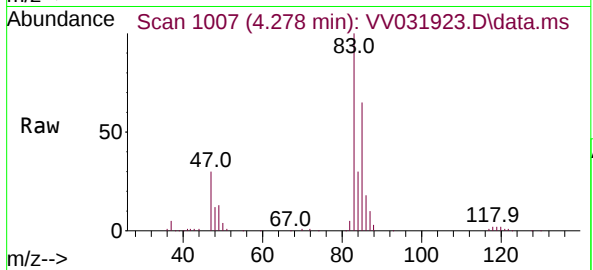




#25
Chloroform
Concen: 49.540 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. -0.000 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

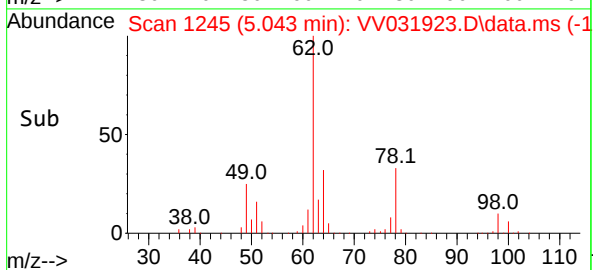
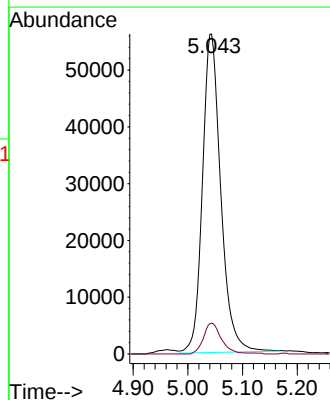
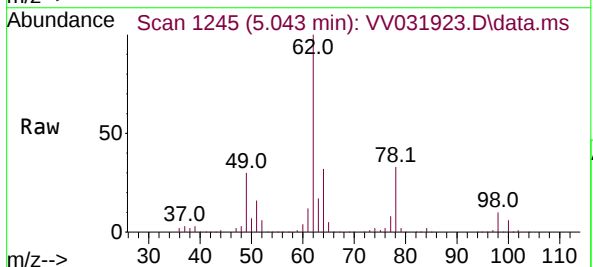
Instrument :
MSVOA_V
ClientSampleId :

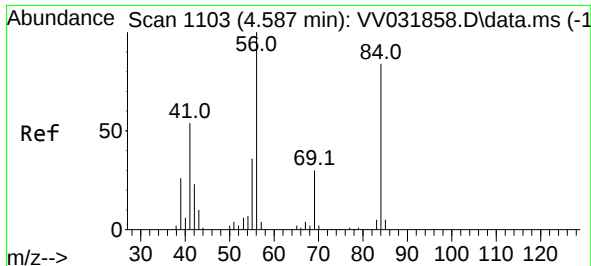
Tgt Ion: 83 Resp: 165362
Ion Ratio Lower Upper
83 100
85 65.0 44.9 83.3



#27
1,2-Dichloroethane
Concen: 49.678 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. -0.000 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

Tgt Ion: 62 Resp: 130638
Ion Ratio Lower Upper
62 100
98 9.6 7.0 10.4





#29

Cyclohexane

Concen: 54.022 ug/L

RT: 4.583 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

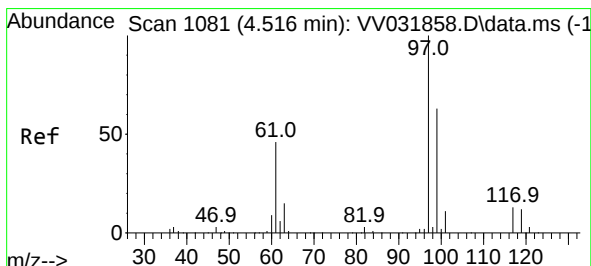
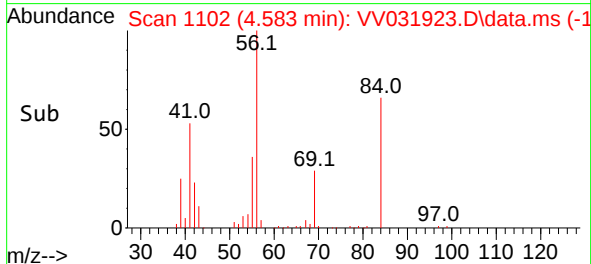
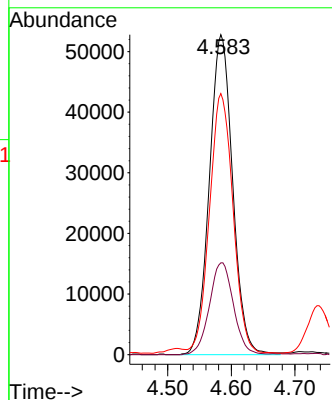
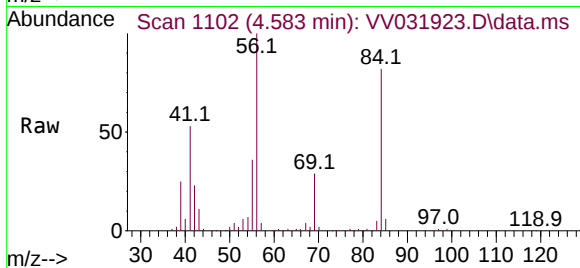
Tgt Ion: 56 Resp: 134343

Ion Ratio Lower Upper

56 100

69 29.6 24.2 36.4

84 81.3 67.5 101.3



#30

1,1,1-Trichloroethane

Concen: 49.989 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.003 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

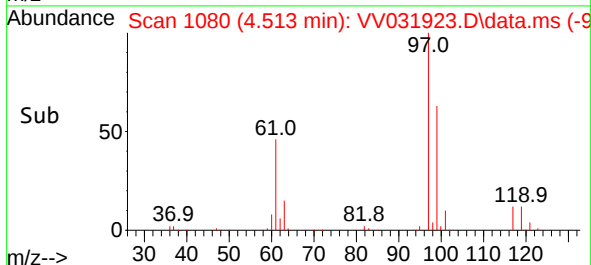
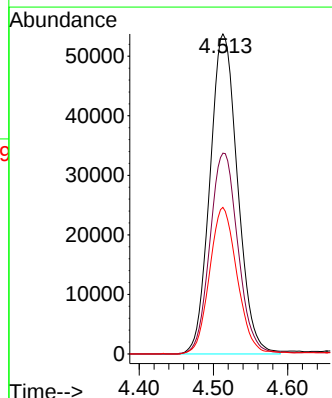
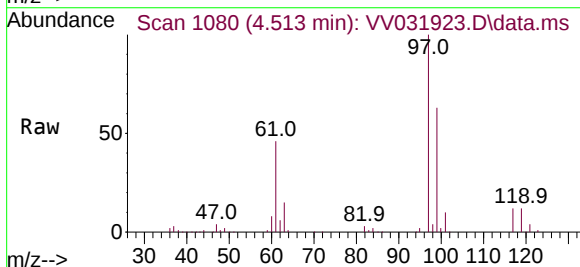
Tgt Ion: 97 Resp: 139265

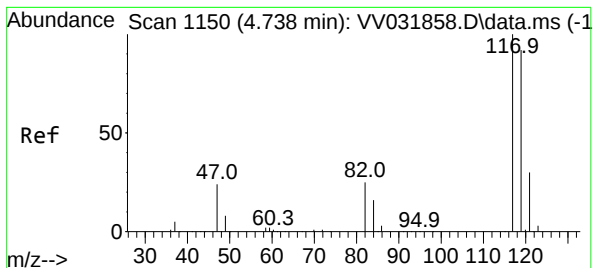
Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.4

61 45.3 36.5 54.7





#31

Carbon tetrachloride

Concen: 48.167 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. -0.000 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

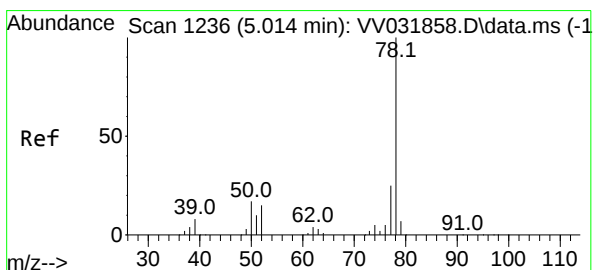
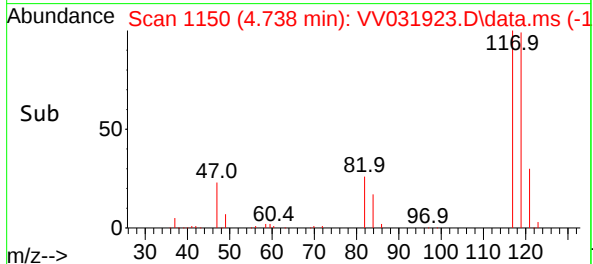
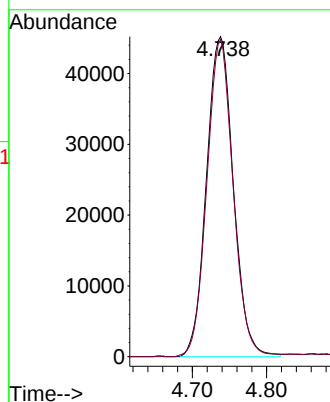
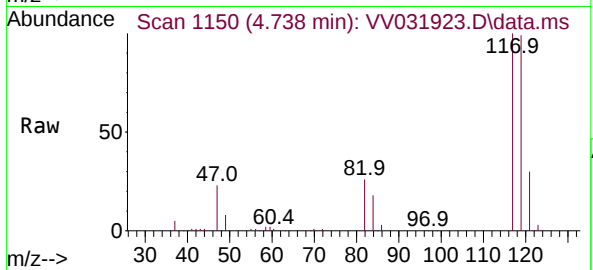
ClientSampleId :

Tgt Ion:117 Resp: 113945

Ion Ratio Lower Upper

117 100

119 96.5 75.4 113.2



#33

Benzene

Concen: 52.663 ug/L

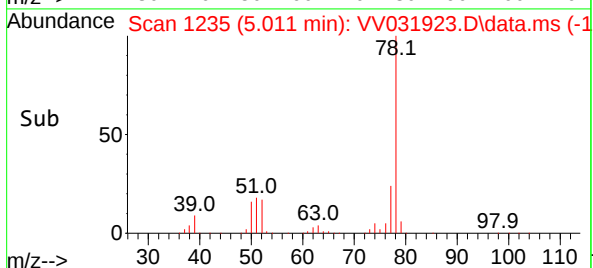
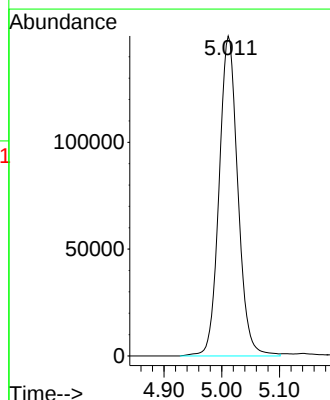
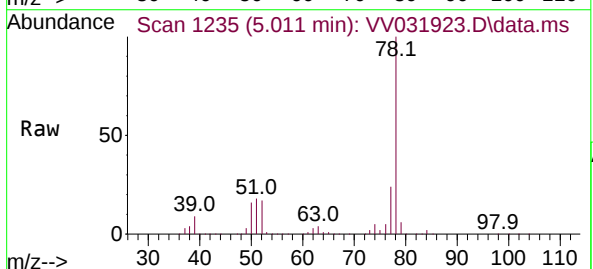
RT: 5.011 min Scan# 1235

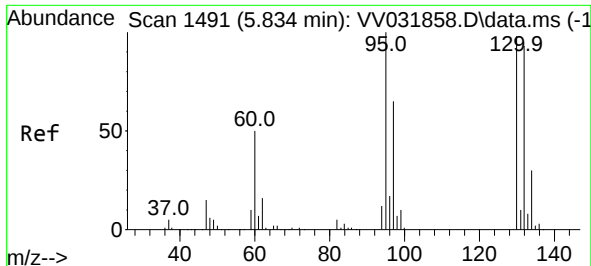
Delta R.T. -0.003 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Tgt Ion: 78 Resp: 337965





#34

Trichloroethene

Concen: 48.925 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 96024

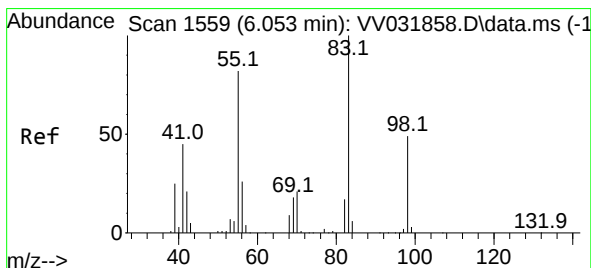
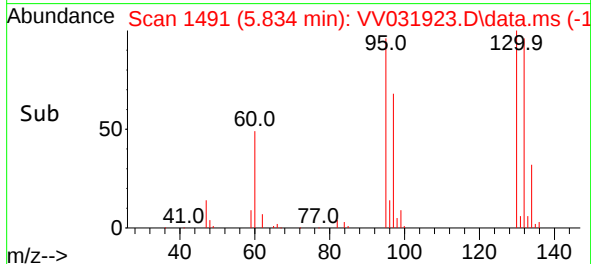
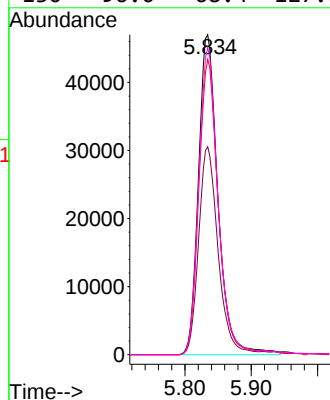
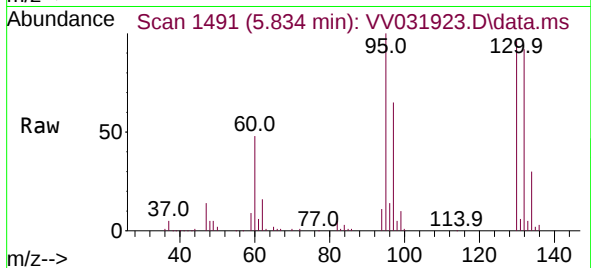
Ion Ratio Lower Upper

95 100

97 65.0 45.4 84.2

132 92.3 65.4 121.4

130 96.0 68.4 127.0



#35

Methylcyclohexane

Concen: 49.485 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. -0.000 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

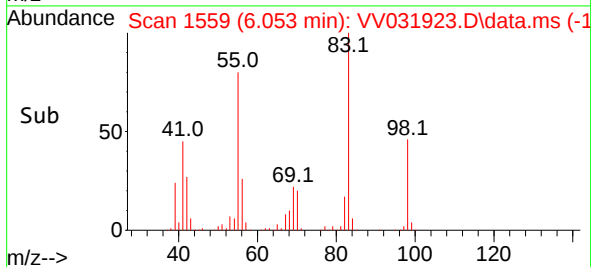
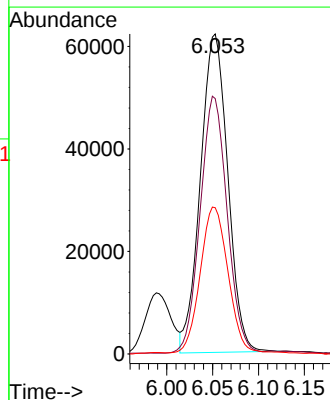
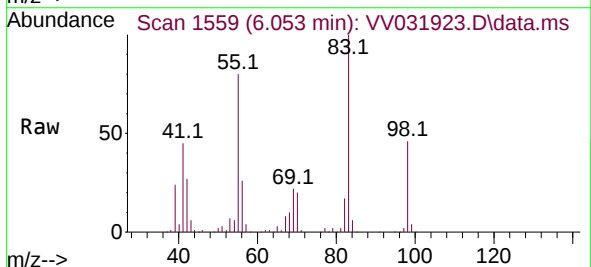
Tgt Ion: 83 Resp: 129184

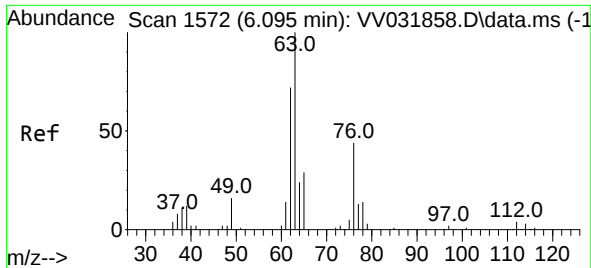
Ion Ratio Lower Upper

83 100

55 79.6 62.2 93.2

98 46.5 36.7 55.1





#37

1,2-Dichloropropane

Concen: 53.884 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

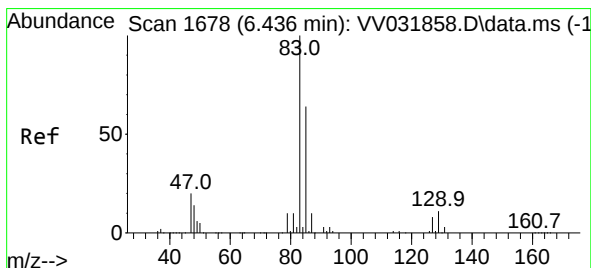
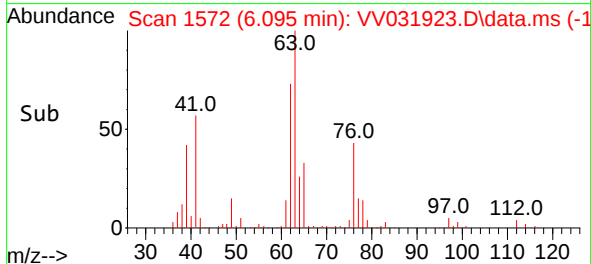
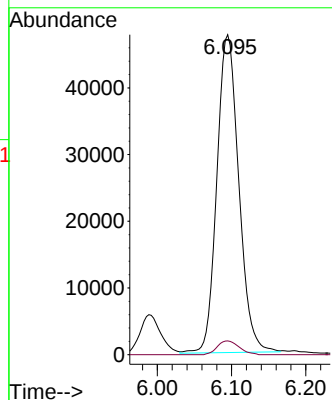
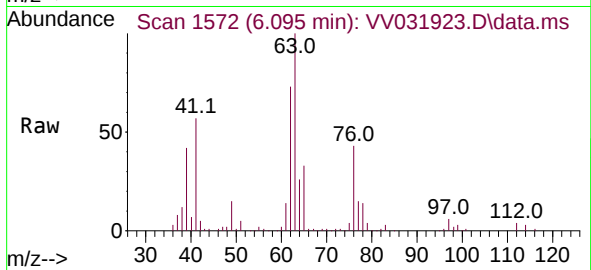
ClientSampleId :

Tgt Ion: 63 Resp: 98015

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



#38

Bromodichloromethane

Concen: 49.822 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.003 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

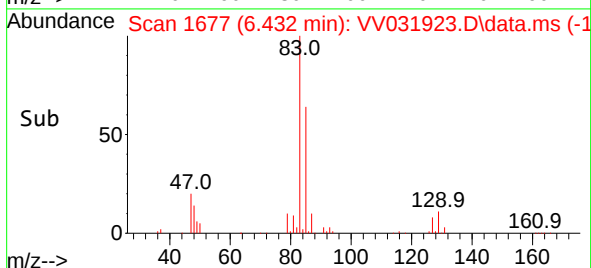
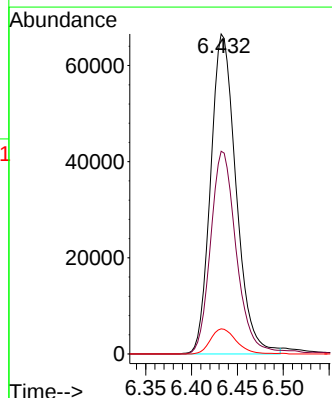
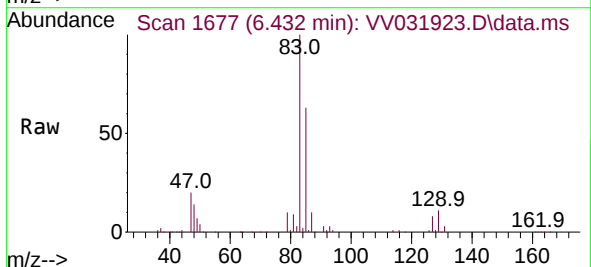
Tgt Ion: 83 Resp: 128636

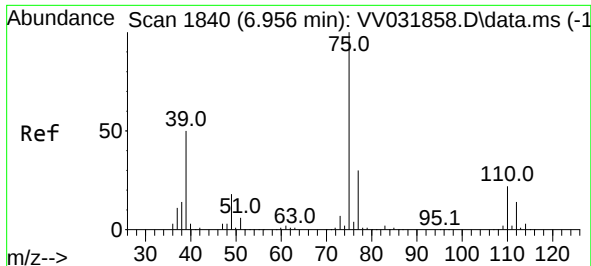
Ion Ratio Lower Upper

83 100

85 63.3 45.2 84.0

127 7.8 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 44.093 ug/L

RT: 6.956 min Scan# 1840

Delta R.T. -0.000 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

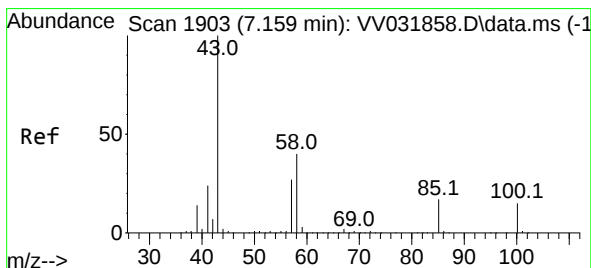
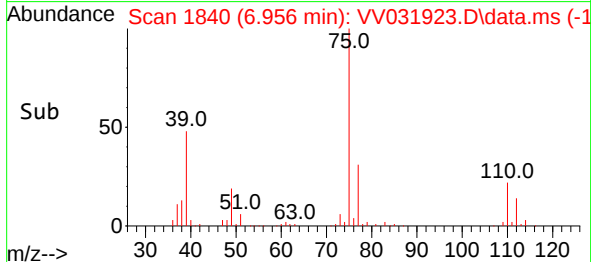
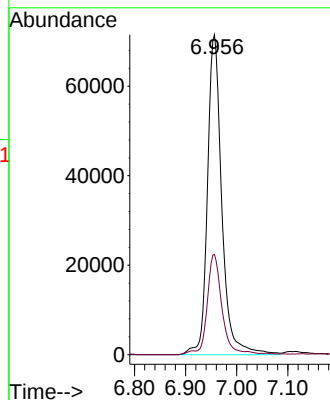
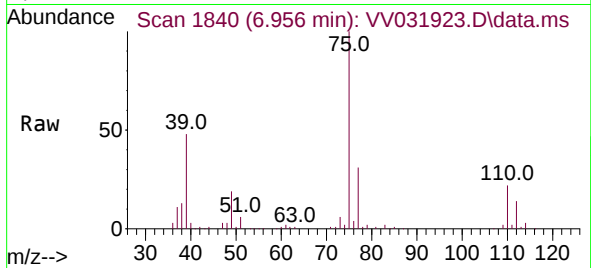
ClientSampleId :

Tgt Ion: 75 Resp: 139446

Ion Ratio Lower Upper

75 100

77 31.4 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 102.322 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

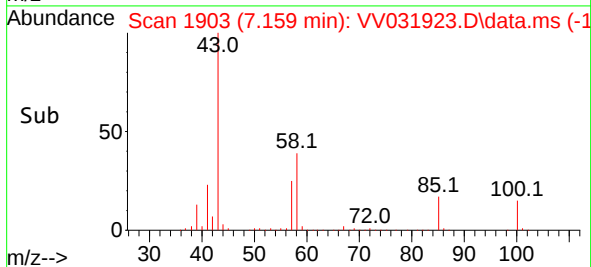
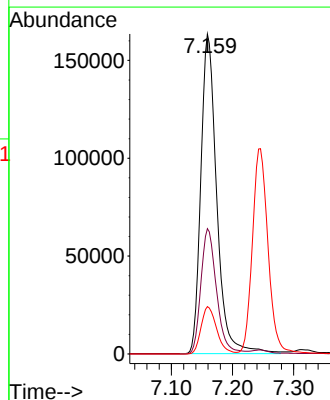
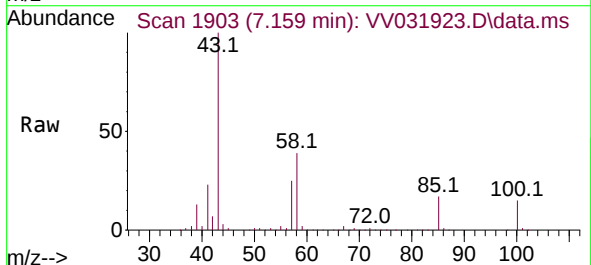
Tgt Ion: 43 Resp: 295417

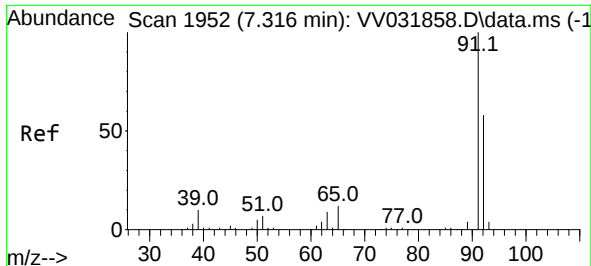
Ion Ratio Lower Upper

43 100

58 38.7 31.1 46.7

100 14.6 11.9 17.9





#42

Toluene

Concen: 51.696 ug/L

RT: 7.316 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

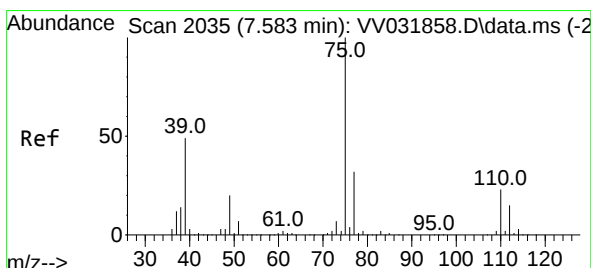
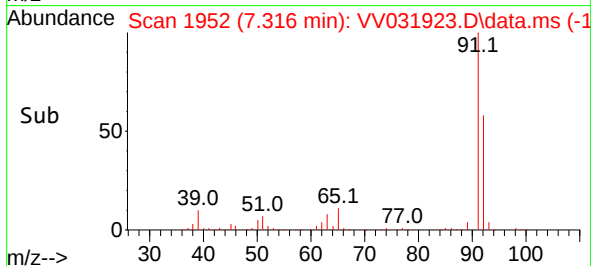
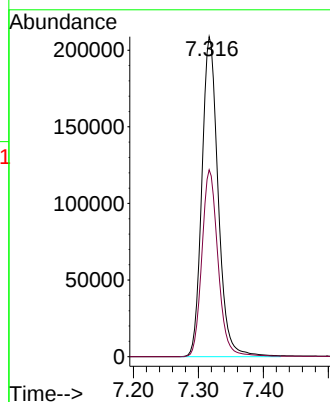
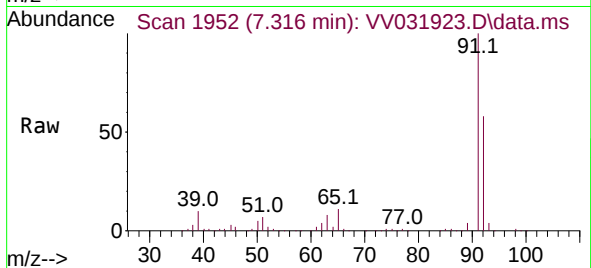
ClientSampleId :

Tgt Ion: 91 Resp: 364941

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 42.038 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV031923.D

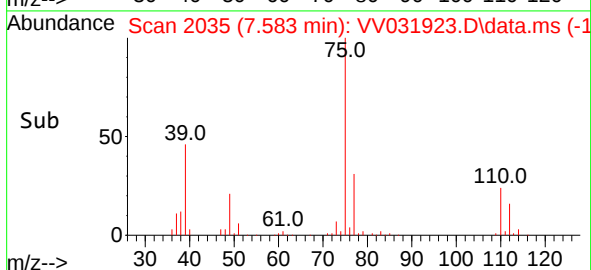
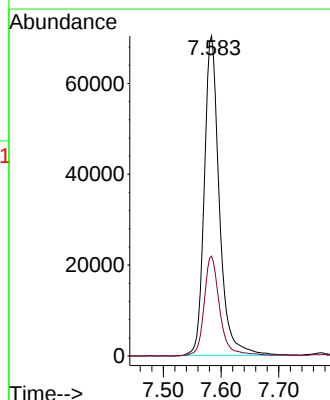
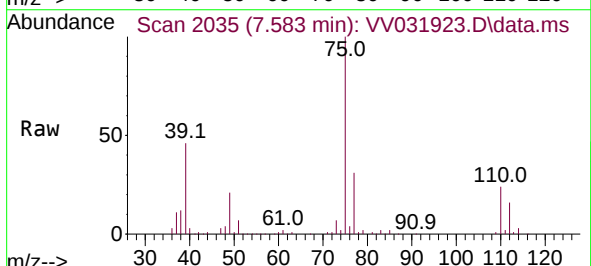
Acq: 25 Aug 2023 09:29

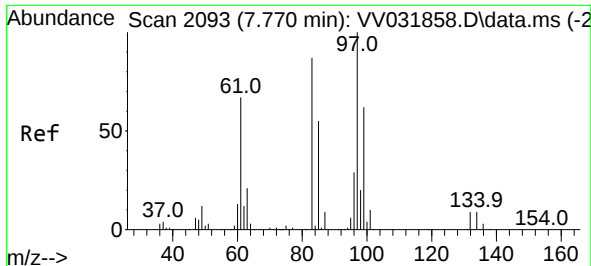
Tgt Ion: 75 Resp: 127738

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.9

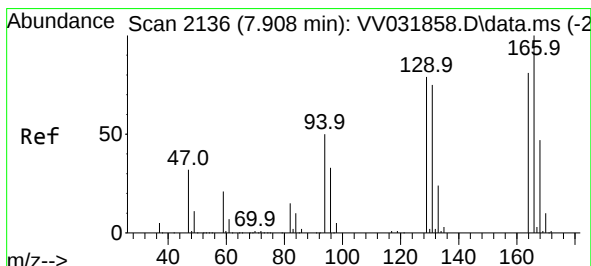
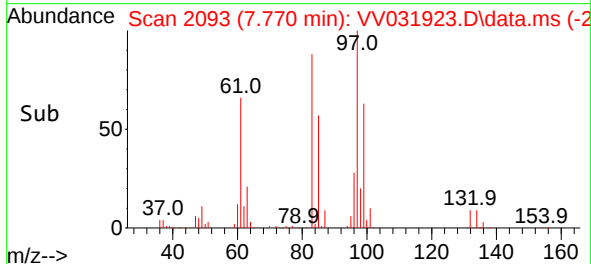
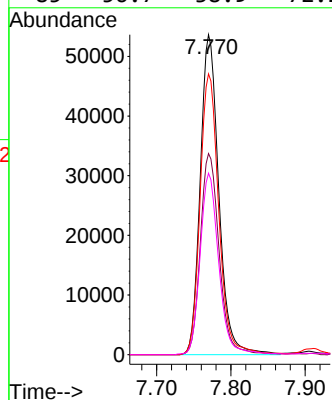
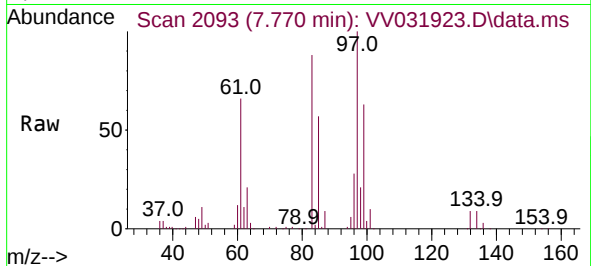




#45
1,1,2-Trichloroethane
Concen: 50.725 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. -0.000 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

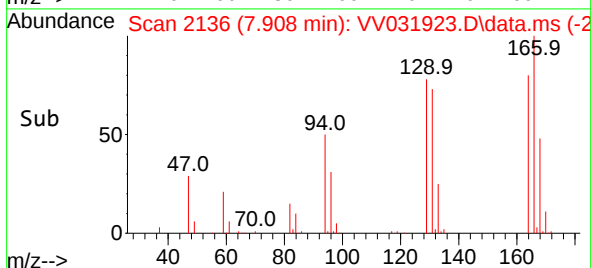
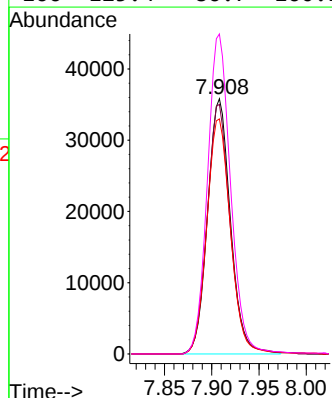
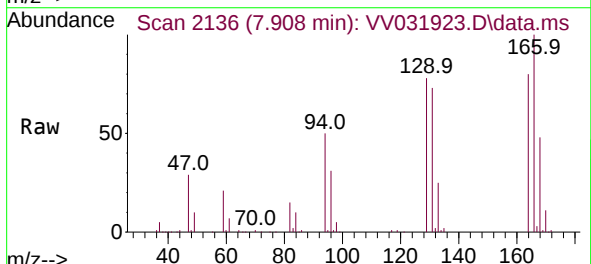
Instrument :
MSVOA_V
ClientSampleId :

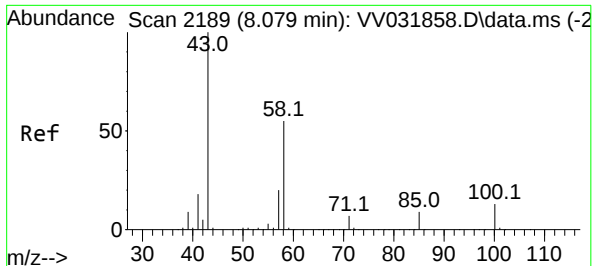
Tgt Ion:	97	Resp:	93218
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.0	79.8
83	87.8	61.2	113.6
85	56.7	38.9	72.2



#46
Tetrachloroethene
Concen: 48.934 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

Tgt Ion:	164	Resp:	60305
Ion	Ratio	Lower	Upper
164	100		
129	97.8	68.3	126.9
131	92.1	64.9	120.5
166	125.4	86.7	160.9

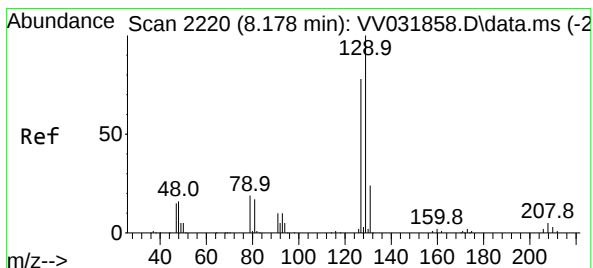
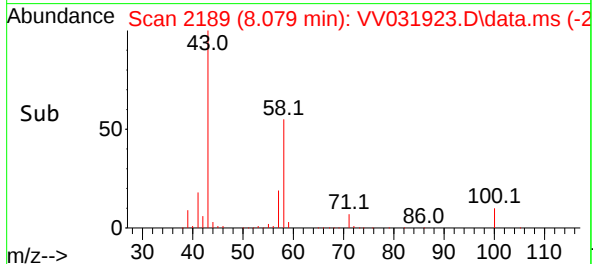
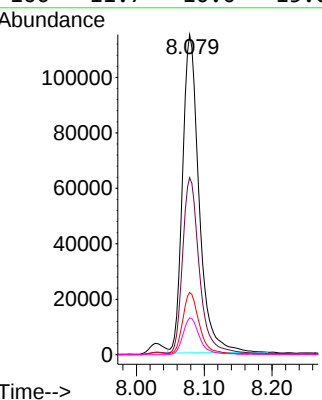
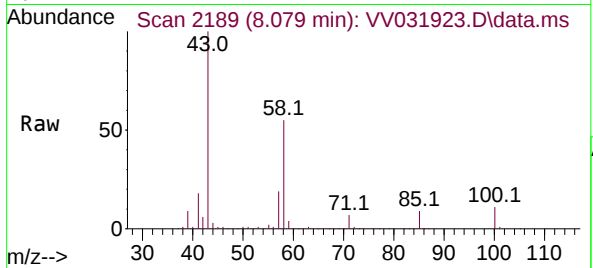




#48
2-Hexanone
Concen: 88.469 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

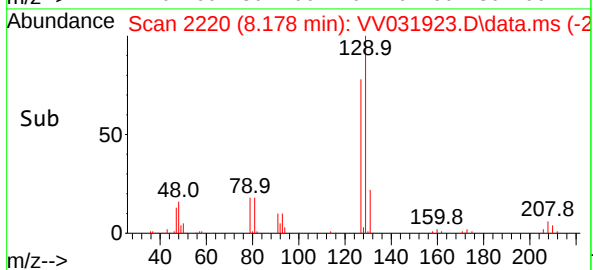
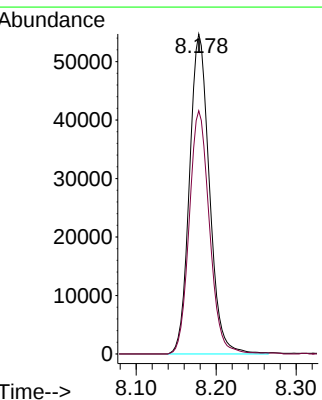
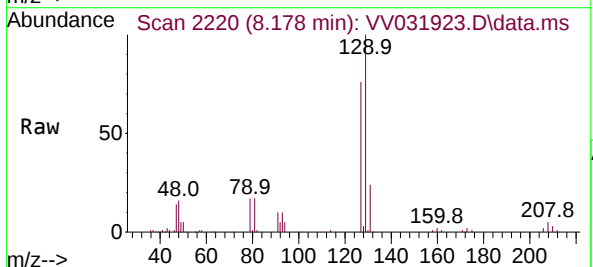
Instrument :
MSVOA_V
ClientSampleId :

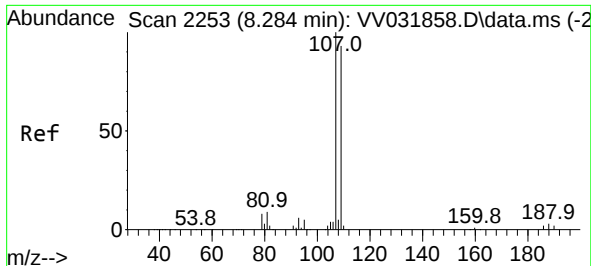
Tgt Ion: 43	Resp: 195057
Ion Ratio	Lower Upper
43 100	
58 55.9	44.0 66.0
57 19.2	15.9 23.9
100 11.7	10.0 15.0



#49
Dibromochloromethane
Concen: 50.272 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.000 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

Tgt Ion:129	Resp:	94935	
Ion	Ratio	Lower	Upper
129	100		
127	76.0	54.7	101.7





#50

1,2-Dibromoethane

Concen: 49.562 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031923.D

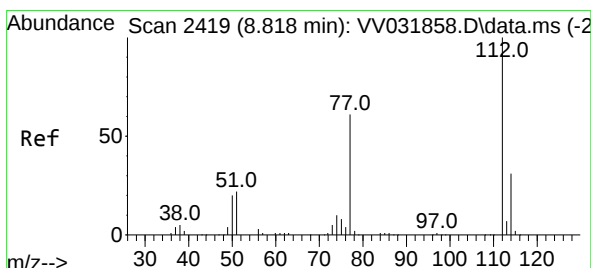
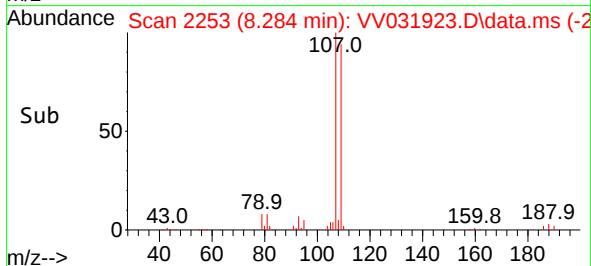
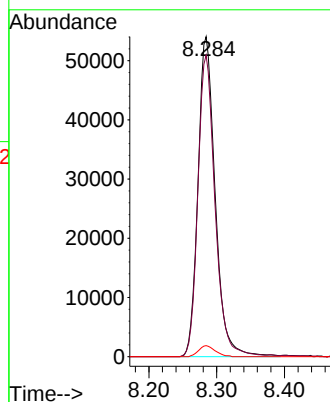
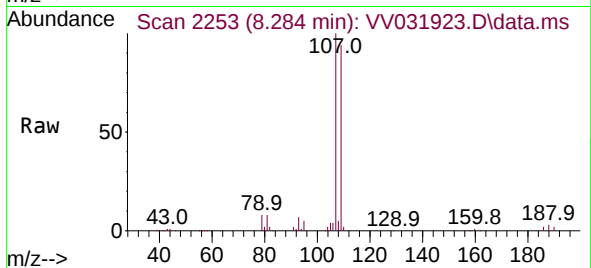
Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	95398
Ion Ratio	Lower	Upper
107	100	
109	94.2	65.4 121.4
188	3.4	2.8 4.2



#51

Chlorobenzene

Concen: 50.080 ug/L

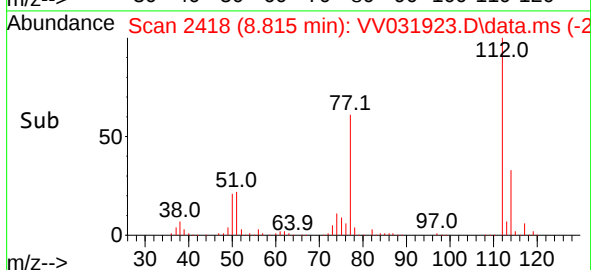
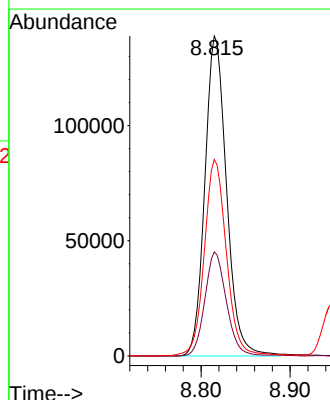
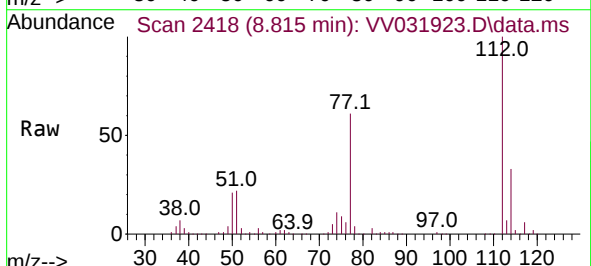
RT: 8.815 min Scan# 2418

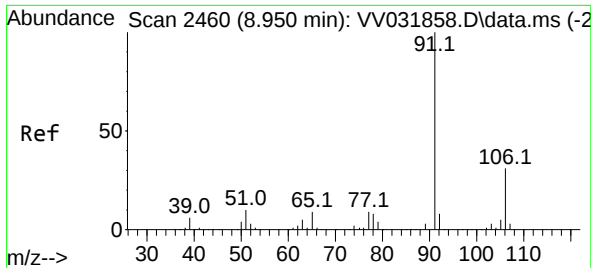
Delta R.T. -0.003 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Tgt Ion:112	Resp:	234915
Ion Ratio	Lower	Upper
112	100	
114	32.5	22.0 40.8
77	61.4	49.4 74.0





#52

Ethylbenzene

Concen: 50.450 ug/L

RT: 8.947 min Scan# 2460

Delta R.T. -0.003 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

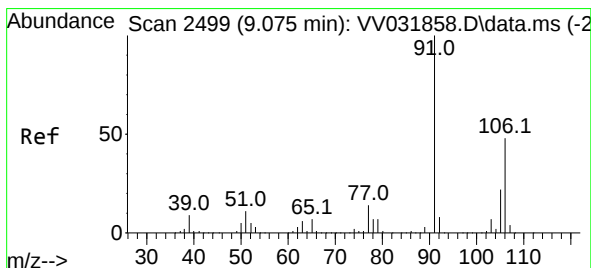
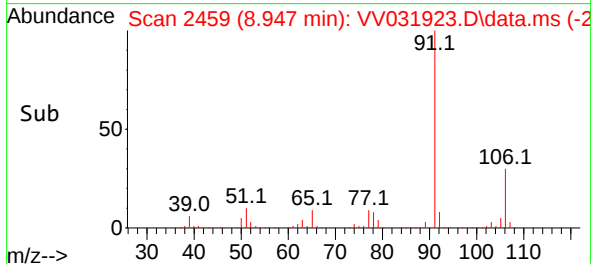
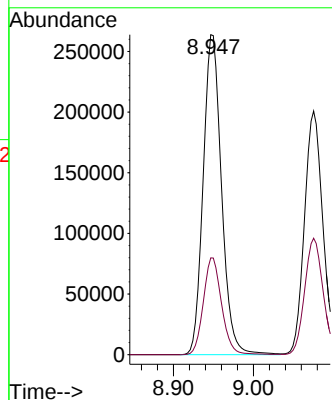
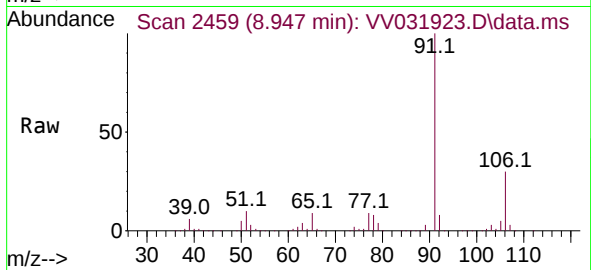
ClientSampleId :

Tgt Ion: 91 Resp: 421867

Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



#53

m,p-Xylene

Concen: 49.723 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. -0.000 min

Lab File: VV031923.D

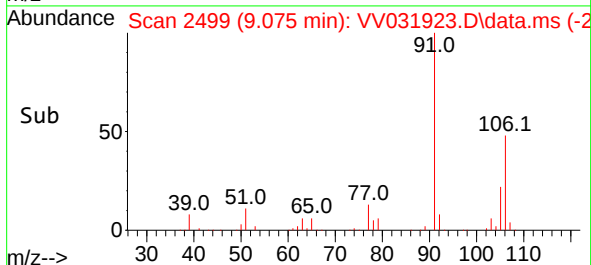
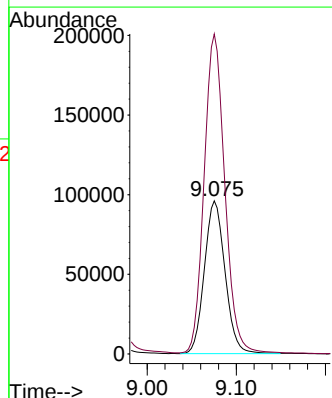
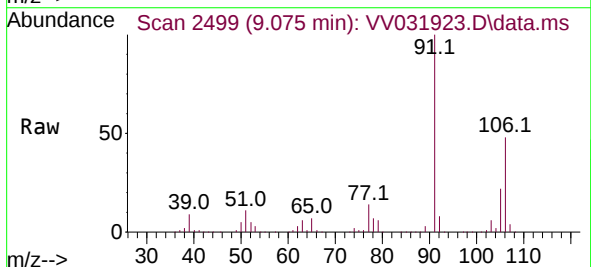
Acq: 25 Aug 2023 09:29

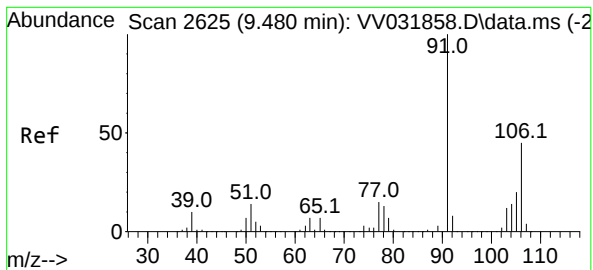
Tgt Ion:106 Resp: 154381

Ion Ratio Lower Upper

106 100

91 209.1 147.0 273.0





#54

o-Xylene

Concen: 49.561 ug/L

RT: 9.480 min Scan# 2

Delta R.T. -0.000 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

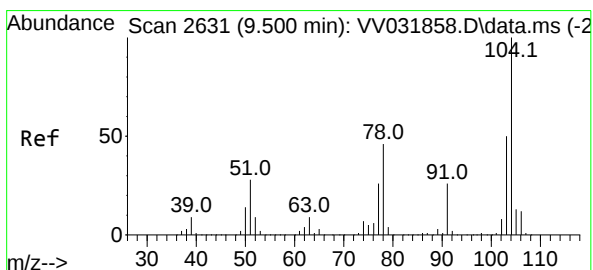
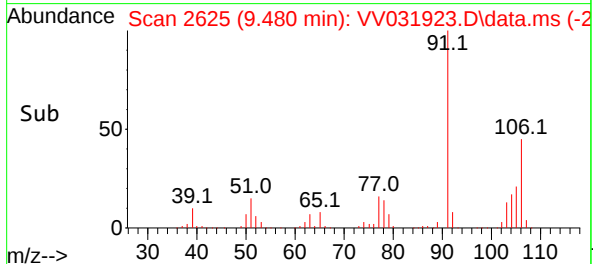
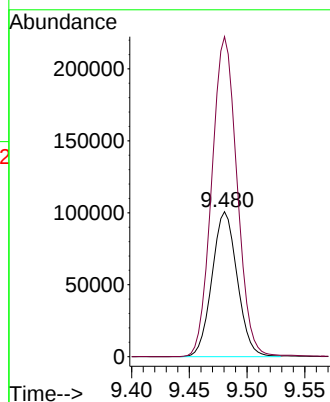
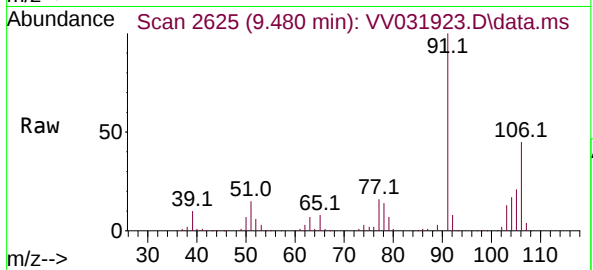
ClientSampleId :

Tgt Ion:106 Resp: 153045

Ion Ratio Lower Upper

106 100

91 220.7 154.3 286.5



#55

Styrene

Concen: 50.417 ug/L

RT: 9.496 min Scan# 2630

Delta R.T. -0.003 min

Lab File: VV031923.D

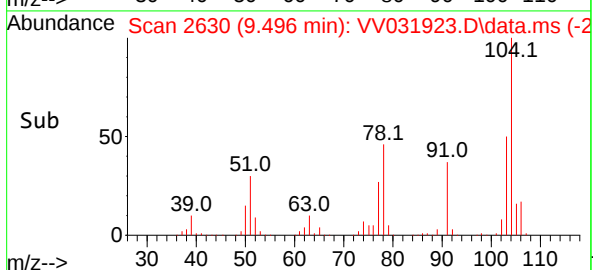
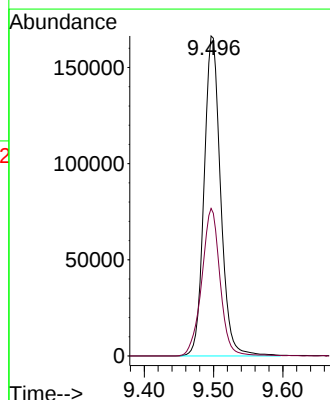
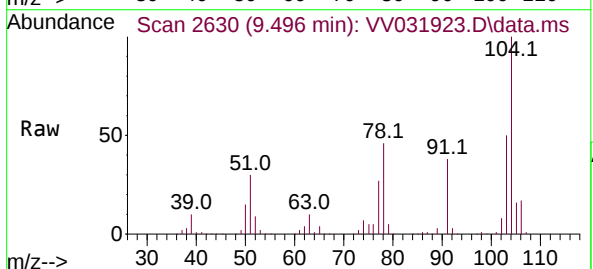
Acq: 25 Aug 2023 09:29

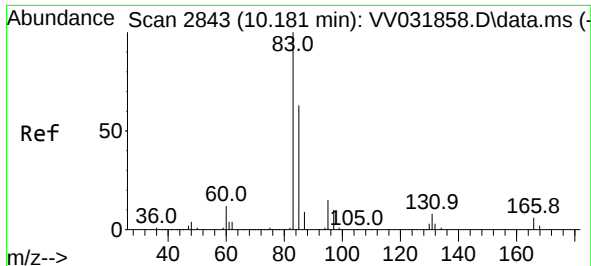
Tgt Ion:104 Resp: 275228

Ion Ratio Lower Upper

104 100

78 46.1 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 53.200 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

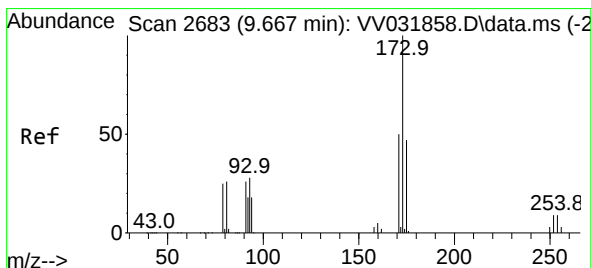
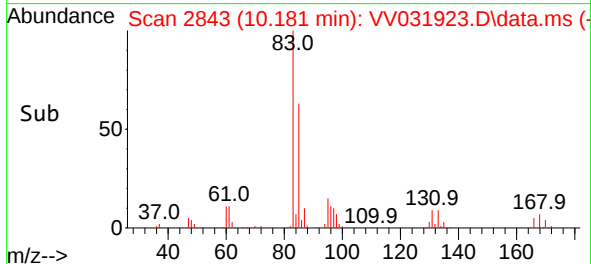
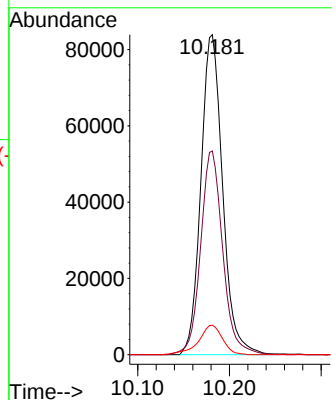
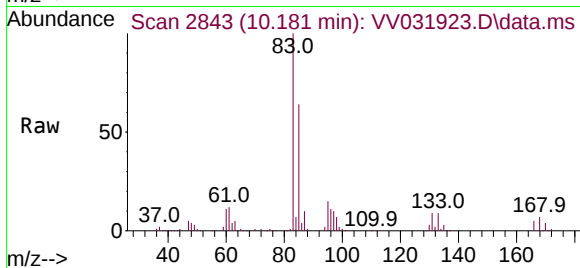
Tgt Ion: 83 Resp: 138400

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.9

131 9.2 7.4 11.2



#59

Bromoform

Concen: 51.188 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. -0.000 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

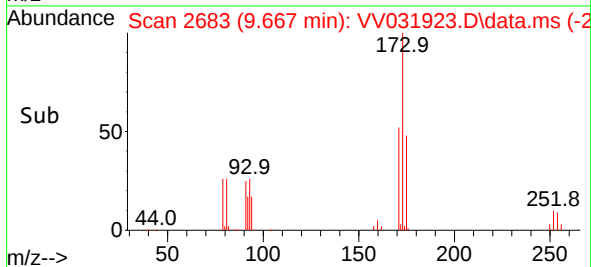
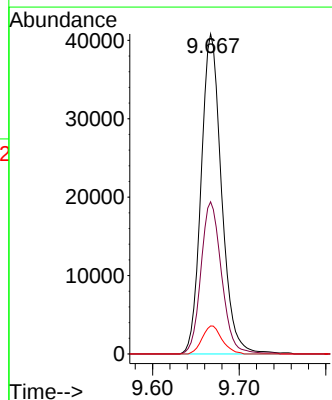
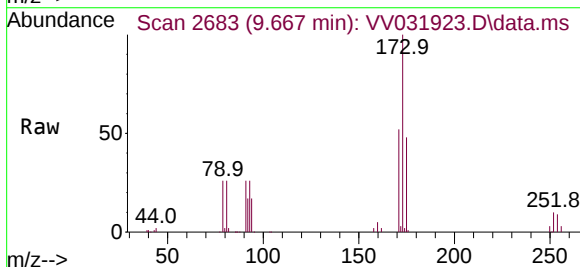
Tgt Ion: 173 Resp: 66676

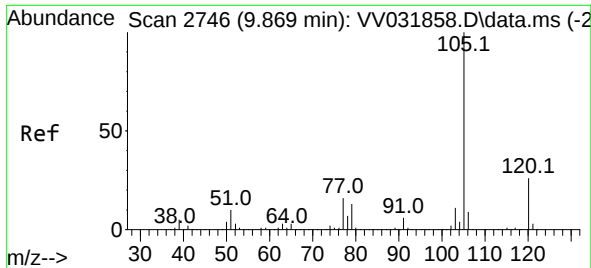
Ion Ratio Lower Upper

173 100

175 47.9 38.3 57.5

254 8.5 6.9 10.3

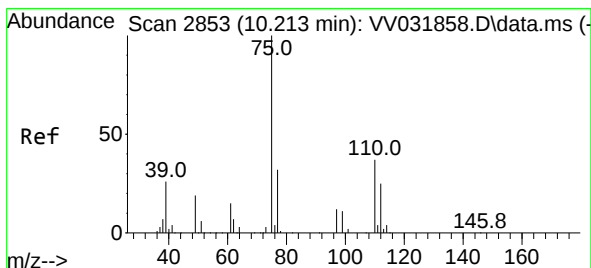
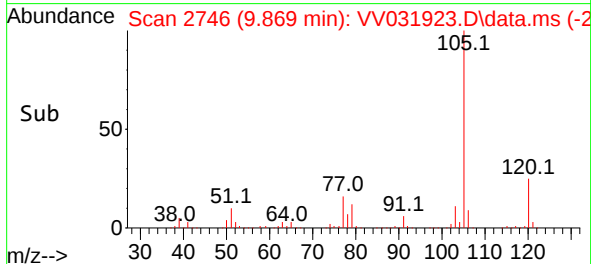
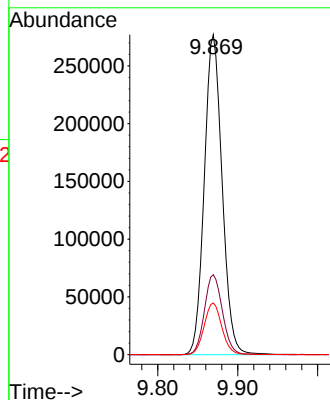
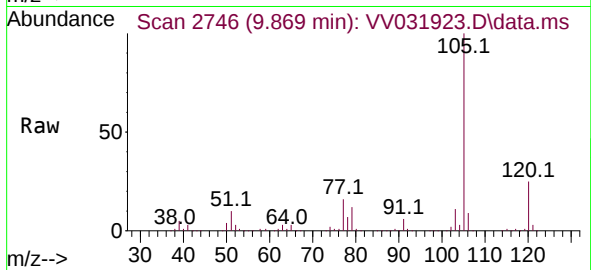




#60
Isopropylbenzene
Concen: 51.148 ug/L
RT: 9.869 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

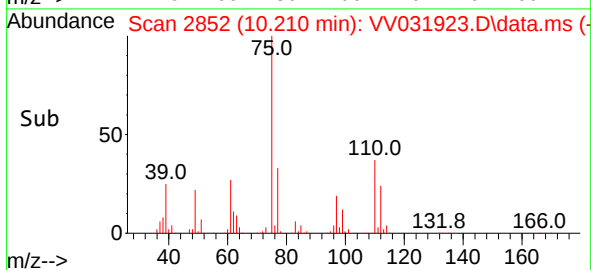
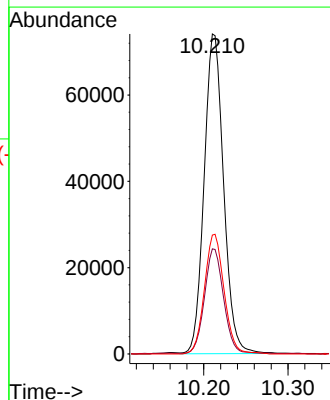
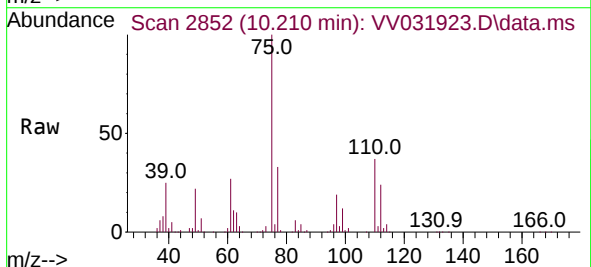
Instrument :
MSVOA_V
ClientSampleId :

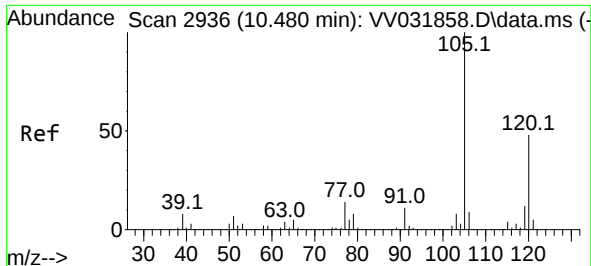
Tgt Ion:105 Resp: 430321
Ion Ratio Lower Upper
105 100
120 25.3 20.6 31.0
77 16.2 12.8 19.2



#61
1,2,3-Trichloropropane
Concen: 50.252 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.003 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

Tgt Ion: 75 Resp: 119256
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5
110 37.8 30.3 45.5





#62

1,3,5-Trimethylbenzene

Concen: 49.818 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.003 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

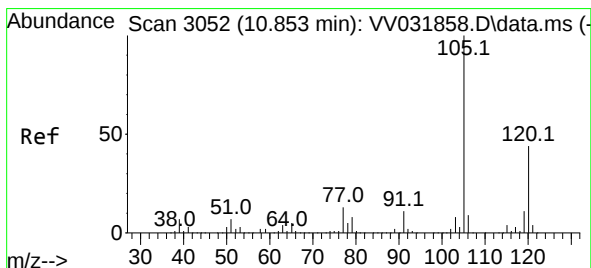
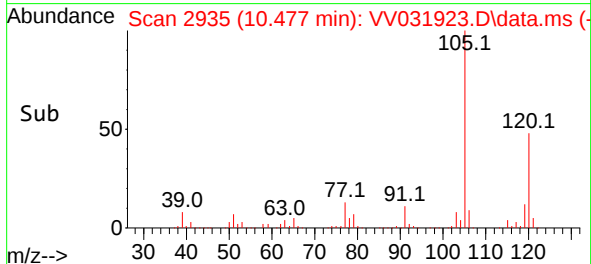
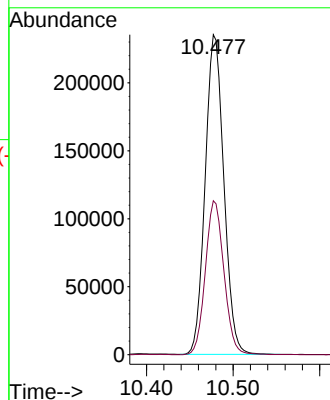
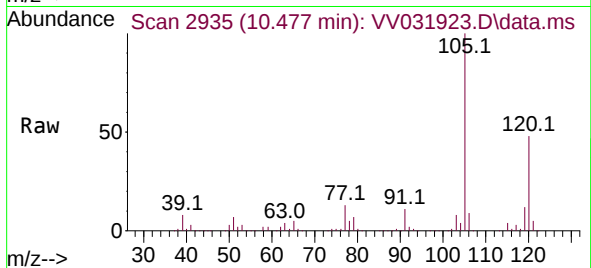
ClientSampleId :

Tgt Ion:105 Resp: 352613

Ion Ratio Lower Upper

105 100

120 47.9 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 50.236 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV031923.D

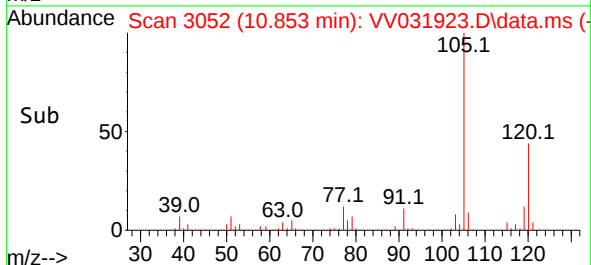
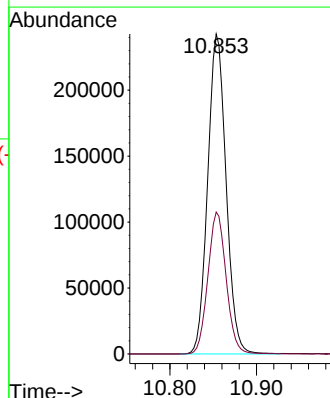
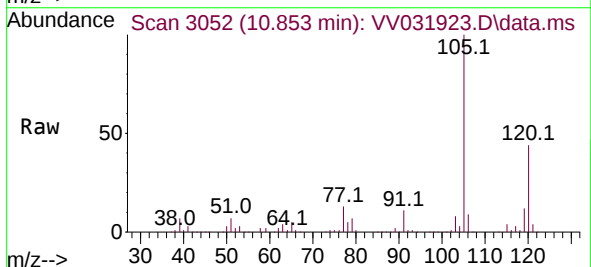
Acq: 25 Aug 2023 09:29

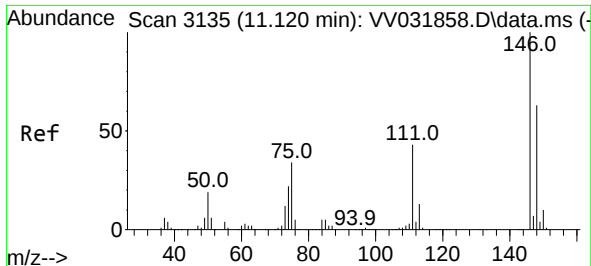
Tgt Ion:105 Resp: 357694

Ion Ratio Lower Upper

105 100

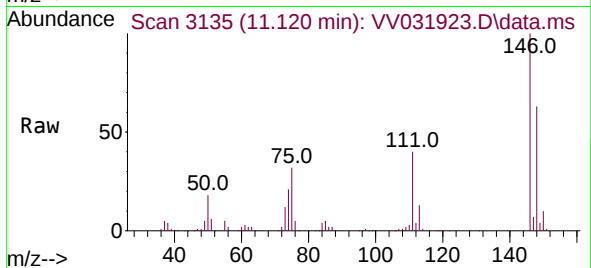
120 44.1 35.9 53.9



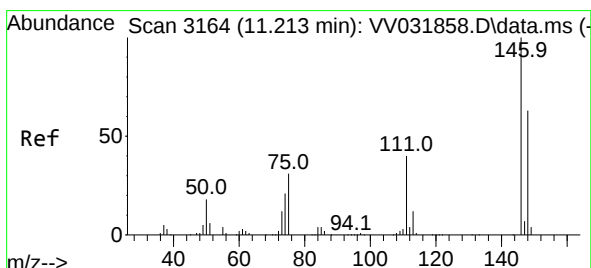
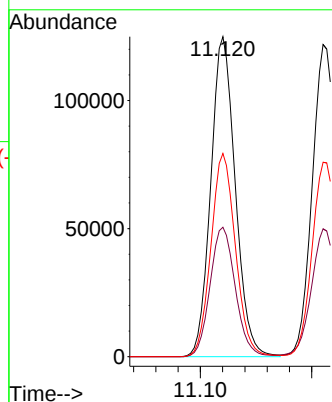
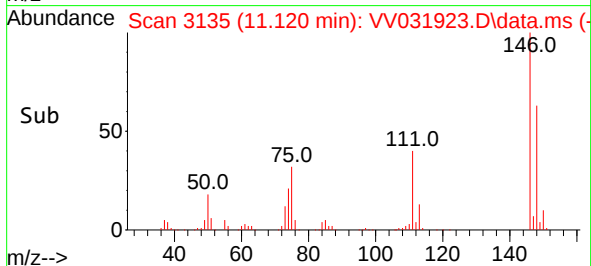


#64
1,3-Dichlorobenzene
Concen: 50.570 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

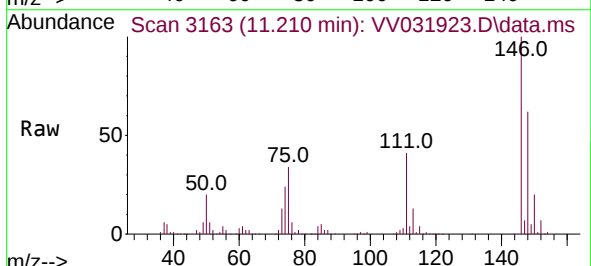
Instrument :
MSVOA_V
ClientSampleId :



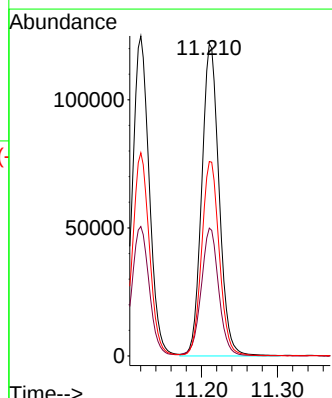
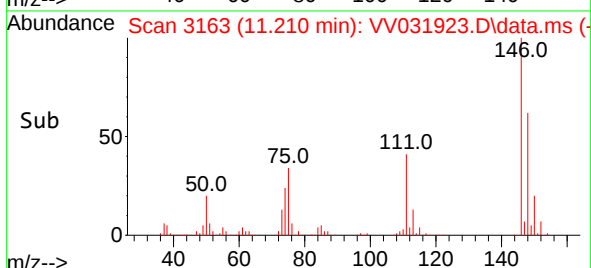
Tgt Ion:146 Resp: 190673
Ion Ratio Lower Upper
146 100
111 40.4 30.2 56.0
148 63.5 44.1 81.9

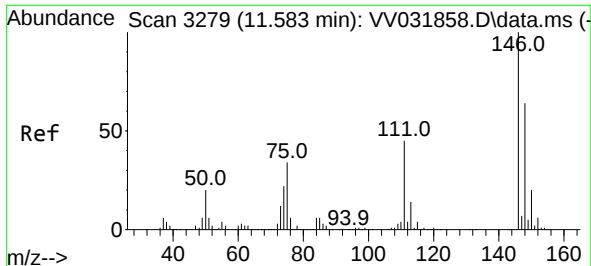


#65
1,4-Dichlorobenzene
Concen: 50.400 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. -0.003 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29



Tgt Ion:146 Resp: 193233
Ion Ratio Lower Upper
146 100
111 41.0 28.5 52.9
148 62.3 44.2 82.2

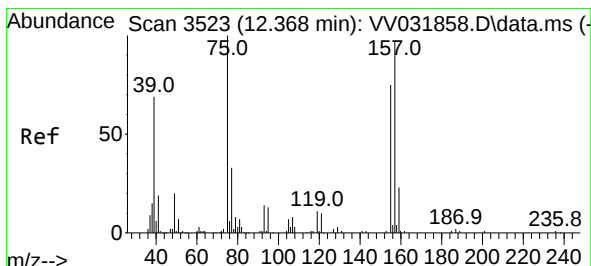
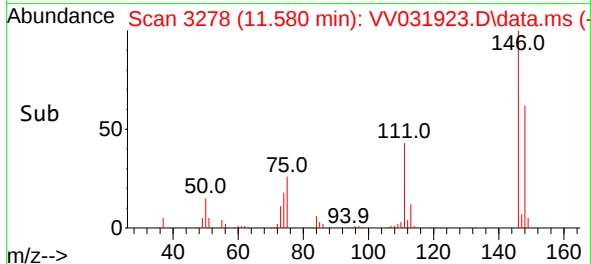
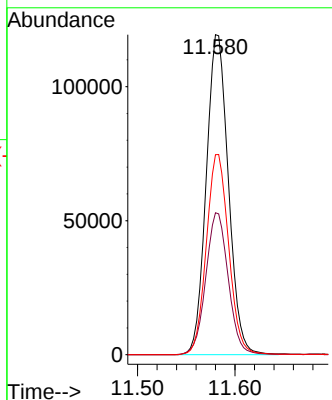
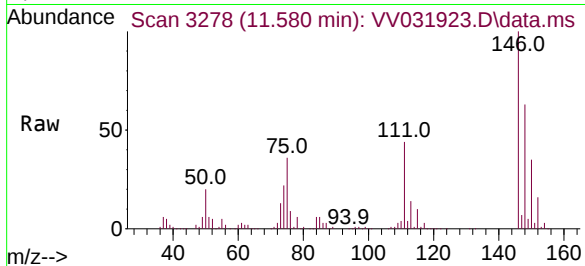




#67
1,2-Dichlorobenzene
Concen: 50.417 ug/L
RT: 11.580 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

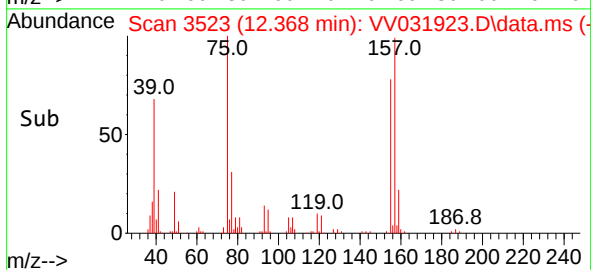
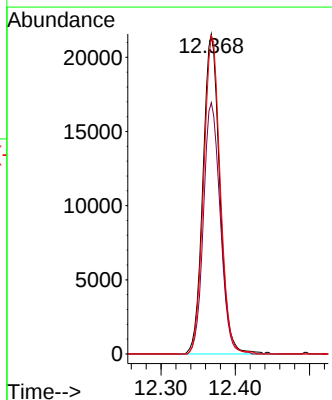
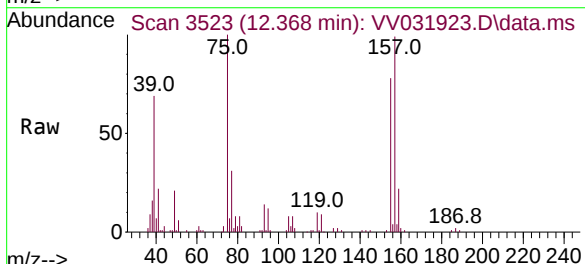
Instrument :
MSVOA_V
ClientSampleId :

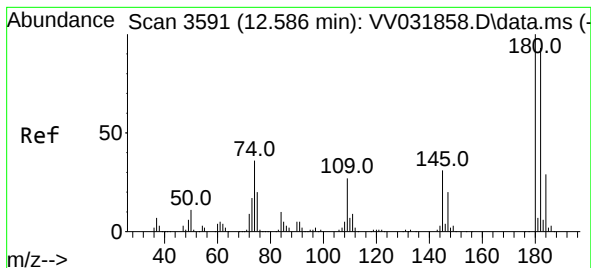
Tgt Ion:146 Resp: 188370
Ion Ratio Lower Upper
146 100
111 44.3 35.8 53.6
148 62.5 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 47.429 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. -0.000 min
Lab File: VV031923.D
Acq: 25 Aug 2023 09:29

Tgt Ion: 75 Resp: 33809
Ion Ratio Lower Upper
75 100
155 78.5 60.1 90.1
157 99.4 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 48.599 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.000 min

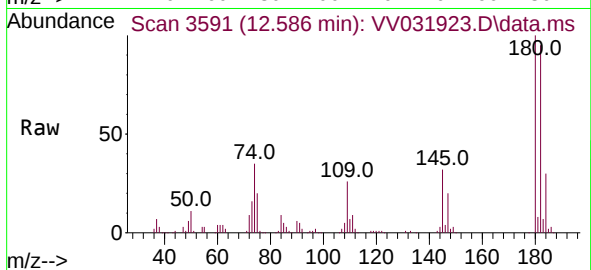
Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 133583

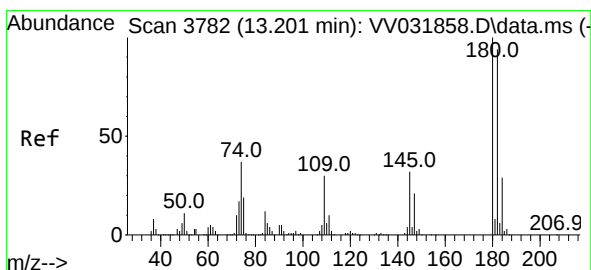
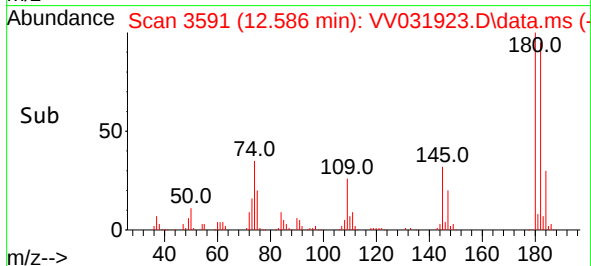
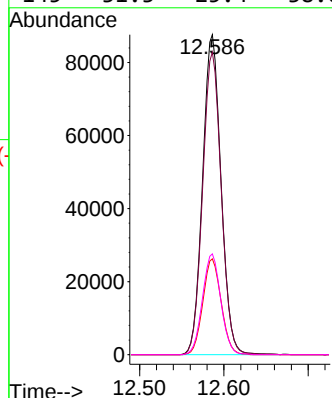
Ion Ratio Lower Upper

180 100

182 95.2 75.4 113.2

184 29.8 23.7 35.5

145 31.3 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 49.786 ug/L

RT: 13.200 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

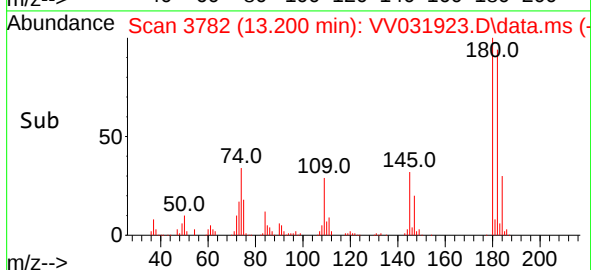
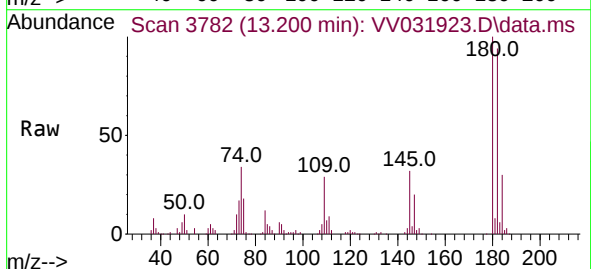
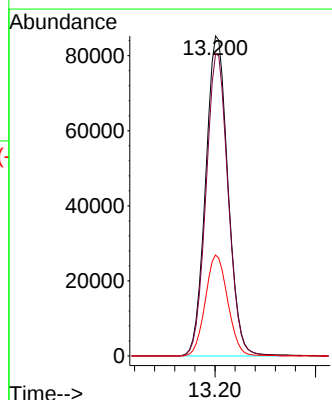
Tgt Ion:180 Resp: 131356

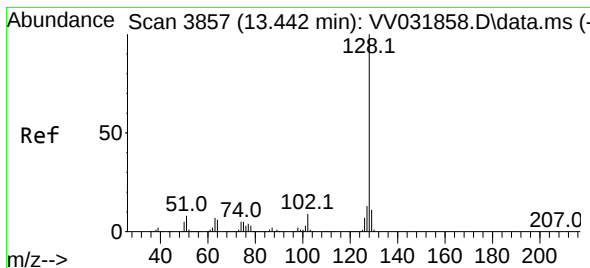
Ion Ratio Lower Upper

180 100

182 93.8 75.4 113.2

145 31.6 26.0 39.0





#71

Naphthalene

Concen: 46.779 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

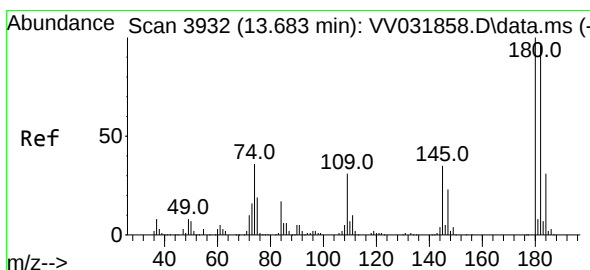
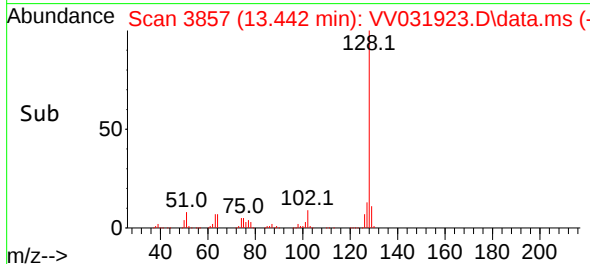
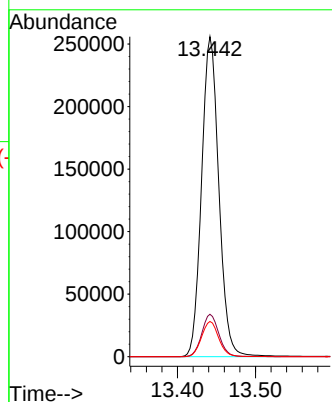
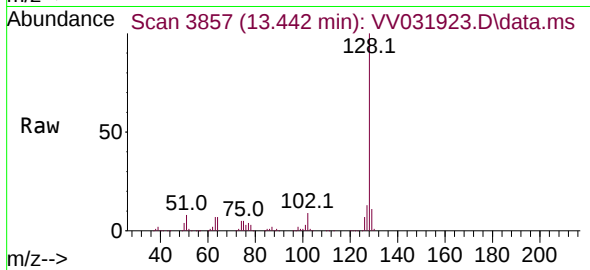
Tgt Ion:128 Resp: 394328

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 49.485 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV031923.D

Acq: 25 Aug 2023 09:29

Tgt Ion:180 Resp: 125110

Ion Ratio Lower Upper

180 100

182 94.6 76.7 115.1

145 33.8 27.7 41.5

