

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
 Data File : PT02.D
 Acq On : 07 Feb 2024 21:48
 Operator : MD/SY
 Sample : P1184-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 08 09:47:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 07 11:31:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	244235	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	223752	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	111657	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.811	65	165	0.084	ug/L	0.21
Spiked Amount	50.000	Range	60 - 135	Recovery	=	0.160%#
7) Chloroethane-d5	1.824	69	137	0.090	ug/L	-0.08
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.180%#
11) 1,1-Dichloroethene-d2	2.550	63	391	0.109	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.220%#
21) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.000%#
24) Chloroform-d	5.058	84	89	0.026	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.060%#
26) 1,2-Dichloroethane-d4	5.708	65	57	0.026	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.060%#
32) Benzene-d6	5.730	84	378	0.056	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.120%#
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	50.000	Range	70 - 120	Recovery	=	0.000%#
41) Toluene-d8	7.901	98	320	0.052	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.100%#
43) trans-1,3-Dichloroprop...	8.174	79	43	0.041	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.080%#
47) 2-Hexanone-d5	8.569	63	2778	3.188	ug/L	-0.06
Spiked Amount	100.000	Range	45 - 130	Recovery	=	3.190%#
56) 1,1,2,2-Tetrachloroeth...	10.749	84	521	0.187	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	0.380%#
66) 1,2-Dichlorobenzene-d4	11.807	152	99396	46.335	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.680%
Target Compounds						
					Qvalue	
6) Bromomethane	1.824	94	10192	7.765	ug/L	91
9) Trichlorofluoromethane	2.120	101	138447	46.408	ug/L	98
18) Methyl tert-butyl Ether	3.351	73	299537	52.070	ug/L	96
19) 1,1-Dichloroethane	3.856	63	58768	17.870	ug/L	98
23) Bromochloromethane	4.965	128	13881	14.969	ug/L #	81
39) cis-1,3-Dichloropropene	7.602	75	44112	14.014	ug/L	95
44) trans-1,3-Dichloropropene	8.206	75	23569	8.156	ug/L	98
51) Chlorobenzene	9.441	112	50258	10.667	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.778	83	10721	3.710	ug/L	95
60) 1,2,3-Trichloropropane	10.817	75	8610	3.684	ug/L #	68
61) Isopropylbenzene	10.479	105	55724	6.831	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	126818	18.527	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	128055	18.691	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	34903	9.876	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	27815	7.673	ug/L	99
67) 1,2-Dichlorobenzene	12.212	146	20729	5.818	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	3894	1.831	ug/L #	80
71) Naphthalene	14.084	128	150945	26.481	ug/L	100
72) 1,2,3-Trichlorobenzene	14.328	180	31634	15.899	ug/L	98

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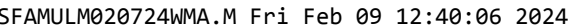
Instrument :
MSVOA_U
ClientSampleId :

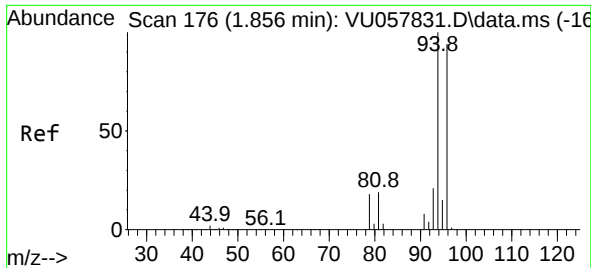
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 07 11:31:09 2024
Response via : Initial Calibration

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

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

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Quant Title : VOC Analysis
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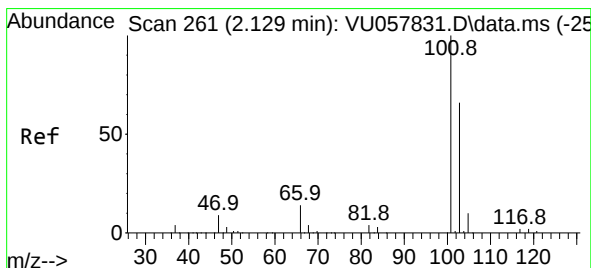
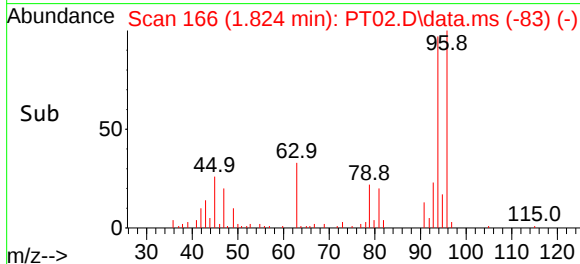
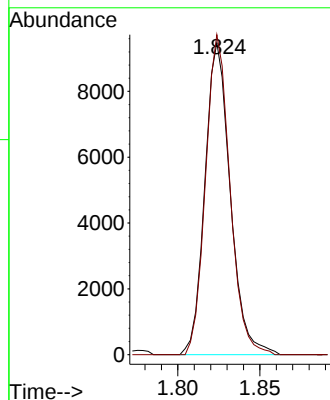
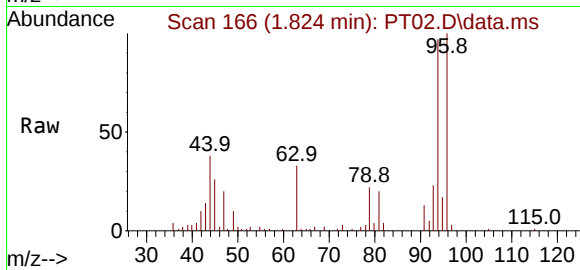




#6
Bromomethane
Concen: 7.765 ug/L
RT: 1.824 min Scan# 11
Delta R.T. -0.032 min
Lab File: PT02.D
Acq: 07 Feb 2024 21:48

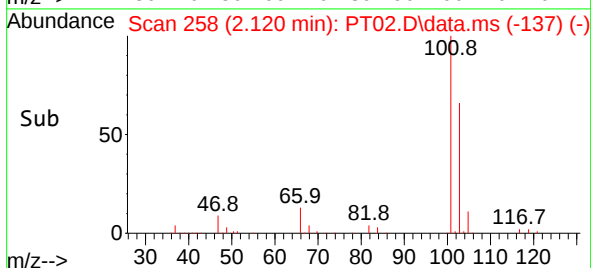
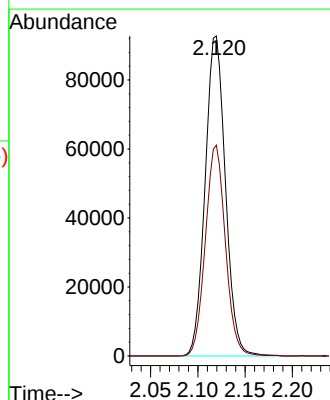
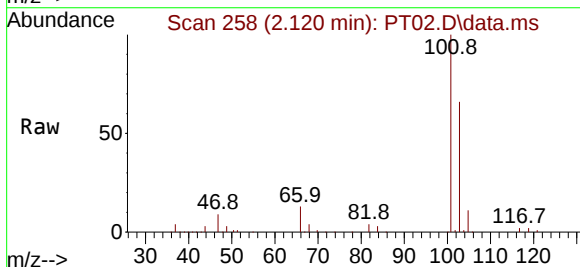
Instrument :
MSVOA_U
ClientSampleId :

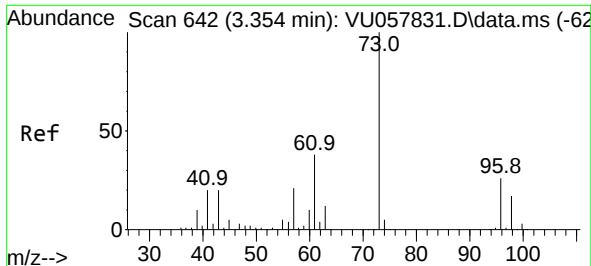
Tgt Ion: 94 Resp: 10192
Ion Ratio Lower Upper
94 100
96 102.6 65.9 122.5



#9
Trichlorofluoromethane
Concen: 46.408 ug/L
RT: 2.120 min Scan# 258
Delta R.T. -0.010 min
Lab File: PT02.D
Acq: 07 Feb 2024 21:48

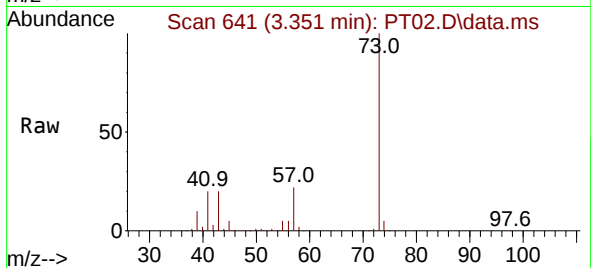
Tgt Ion:101 Resp: 138447
Ion Ratio Lower Upper
101 100
103 65.1 53.4 80.0



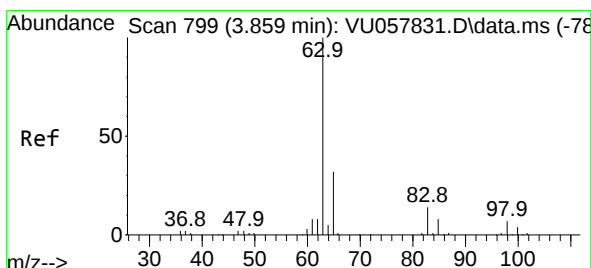
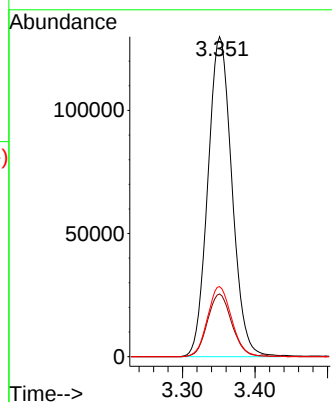
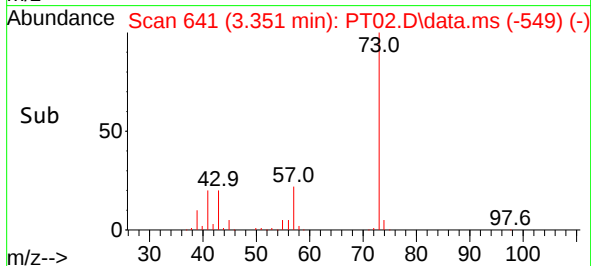


#18
Methyl tert-butyl Ether
Concen: 52.070 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: PT02.D
Acq: 07 Feb 2024 21:48

Instrument :
MSVOA_U
ClientSampleId :

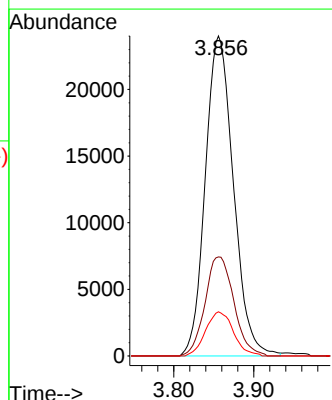
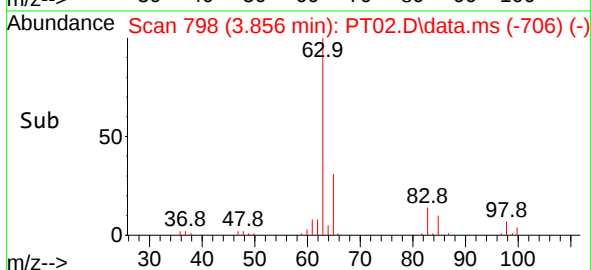
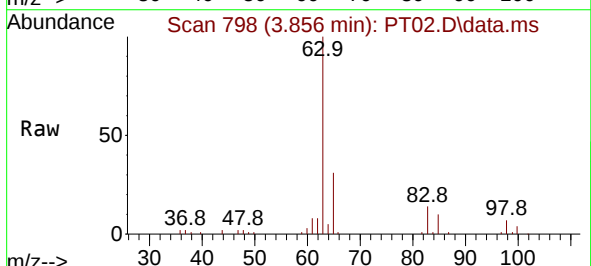


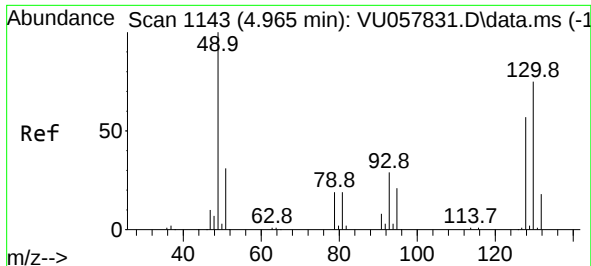
Tgt Ion: 73 Resp: 299537
Ion Ratio Lower Upper
73 100
43 19.7 16.3 24.5
57 22.0 15.0 22.6



#19
1,1-Dichloroethane
Concen: 17.870 ug/L
RT: 3.856 min Scan# 798
Delta R.T. -0.003 min
Lab File: PT02.D
Acq: 07 Feb 2024 21:48

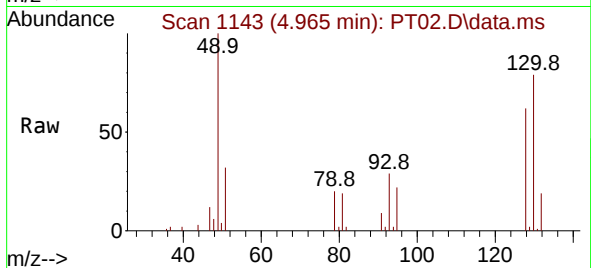
Tgt Ion: 63 Resp: 58768
Ion Ratio Lower Upper
63 100
65 31.8 22.4 41.6
83 13.8 11.3 21.1



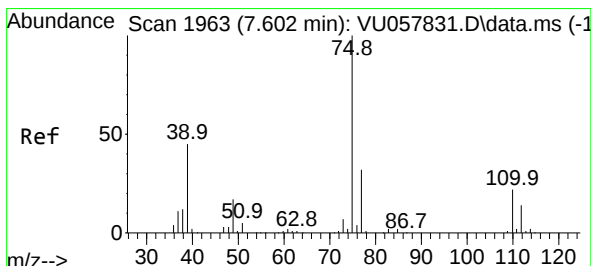
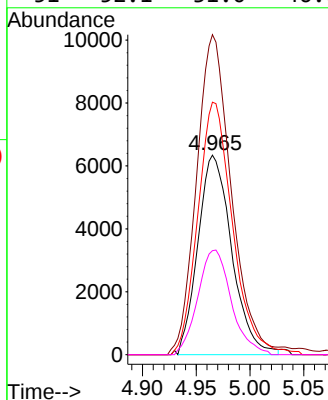
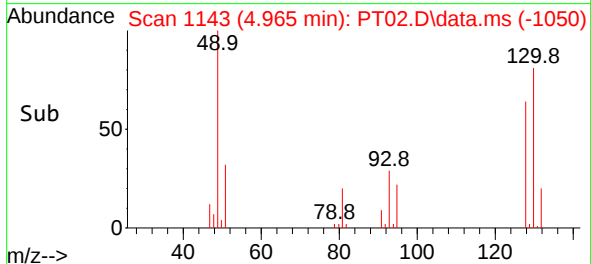


#23
Bromochloromethane
Concen: 14.969 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.000 min
Lab File: PT02.D
Acq: 07 Feb 2024 21:48

Instrument :
MSVOA_U
ClientSampleId :

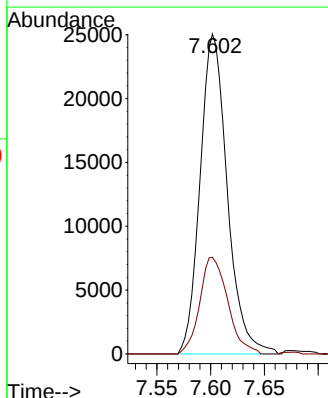
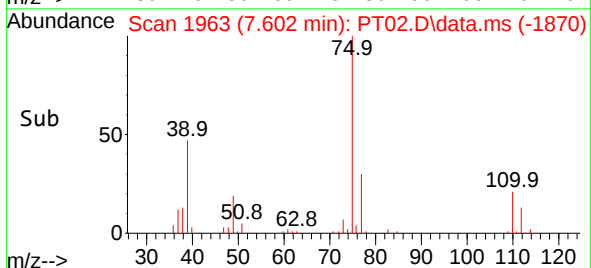
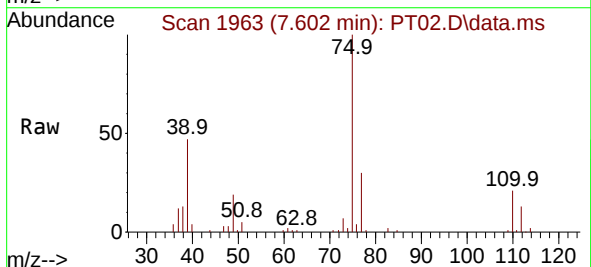


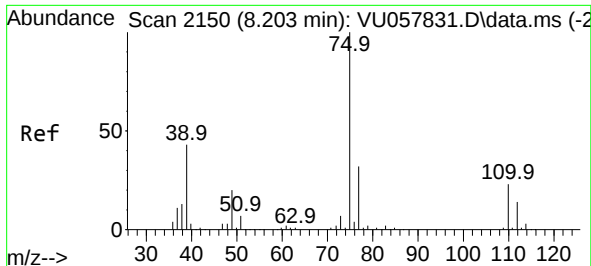
Tgt Ion:128 Resp: 13881
Ion Ratio Lower Upper
128 100
49 160.4 83.4 154.8#
130 126.5 87.6 162.6
51 52.1 31.0 46.6#



#39
cis-1,3-Dichloropropene
Concen: 14.014 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. -0.000 min
Lab File: PT02.D
Acq: 07 Feb 2024 21:48

Tgt Ion: 75 Resp: 44112
Ion Ratio Lower Upper
75 100
77 29.0 22.2 41.2

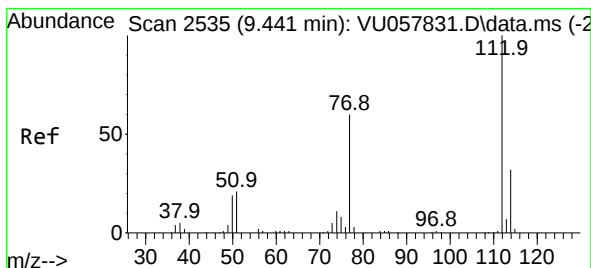
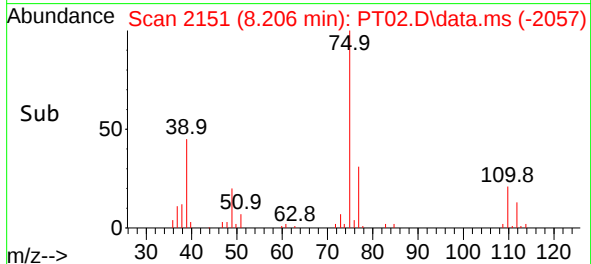
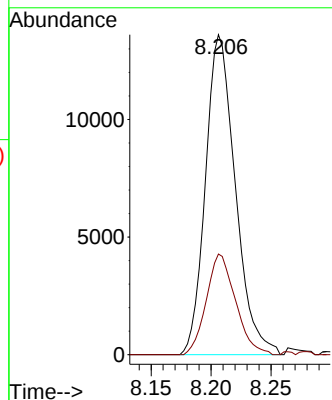
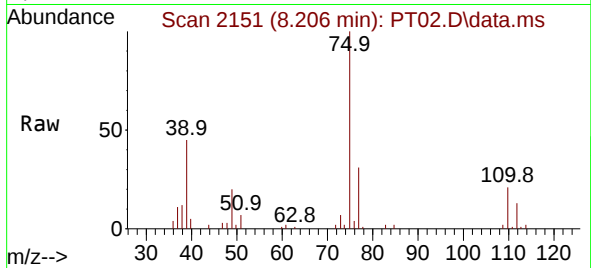




#44
trans-1,3-Dichloropropene
Concen: 8.156 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. 0.003 min
Lab File: PT02.D
Acq: 07 Feb 2024 21:48

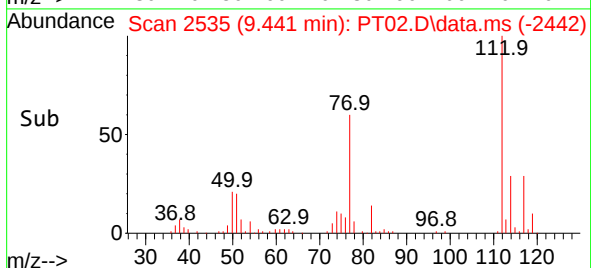
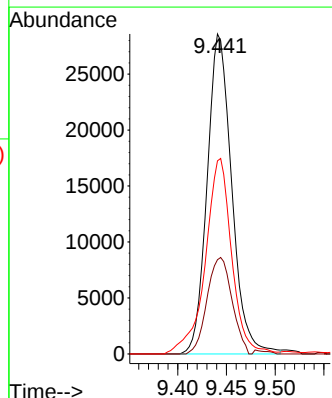
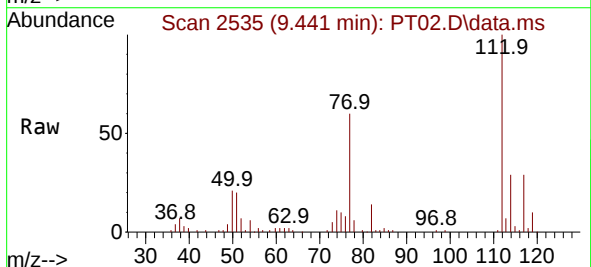
Instrument :
MSVOA_U
ClientSampleId :

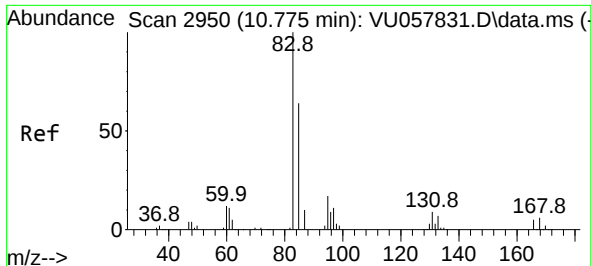
Tgt Ion: 75 Resp: 23569
Ion Ratio Lower Upper
75 100
77 31.5 21.3 39.5



#51
Chlorobenzene
Concen: 10.667 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: PT02.D
Acq: 07 Feb 2024 21:48

Tgt Ion: 112 Resp: 50258
Ion Ratio Lower Upper
112 100
114 27.6 22.5 41.7
77 56.7 50.1 75.1





#57

1,1,2,2-Tetrachloroethane

Concen: 3.710 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.003 min

Lab File: PT02.D

Acq: 07 Feb 2024 21:48

Instrument :

MSVOA_U

ClientSampleId :

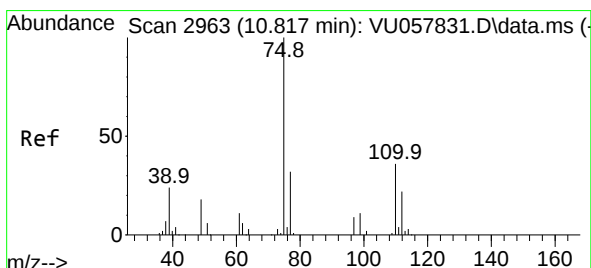
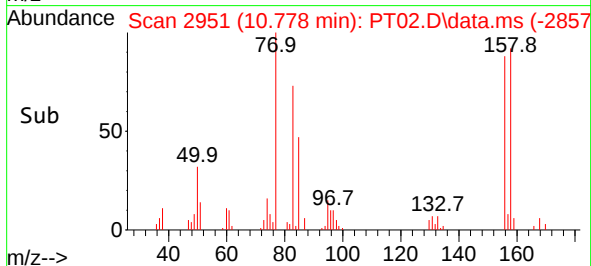
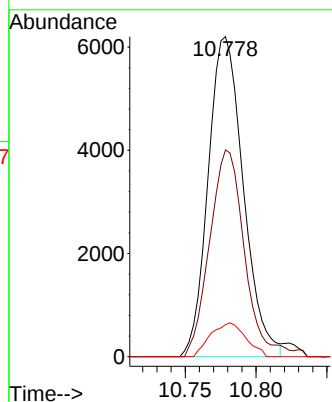
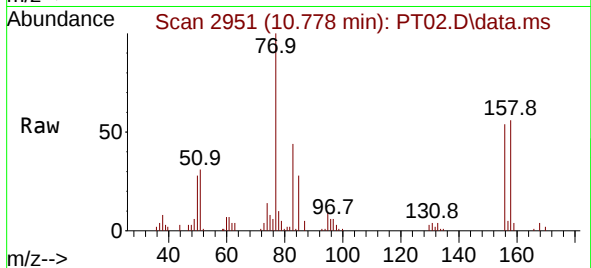
Tgt Ion: 83 Resp: 10721

Ion Ratio Lower Upper

83 100

85 64.6 47.9 88.9

131 10.0 9.8 14.8



#60

1,2,3-Trichloropropane

Concen: 3.684 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: PT02.D

Acq: 07 Feb 2024 21:48

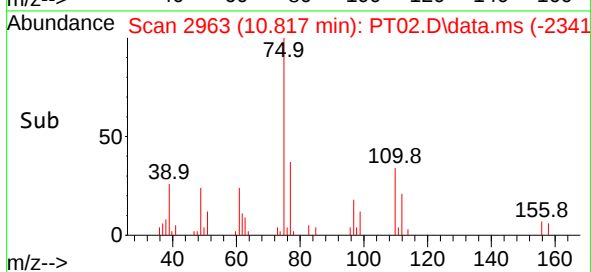
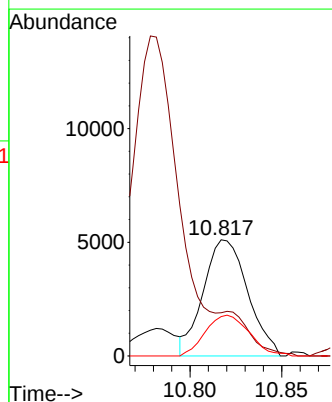
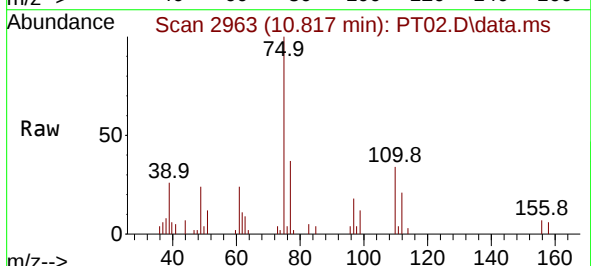
Tgt Ion: 75 Resp: 8610

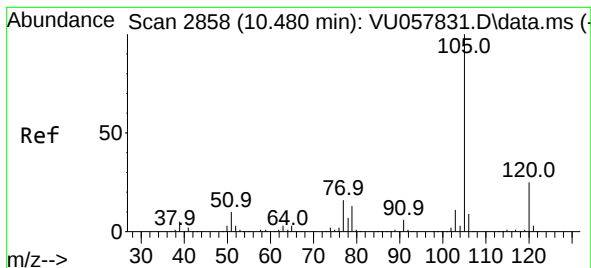
Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

110 34.7 33.6 50.4





#61

Isopropylbenzene

Concen: 6.831 ug/L

RT: 10.479 min Scan# 21

Delta R.T. -0.000 min MSVOA_U

Lab File: PT02.D

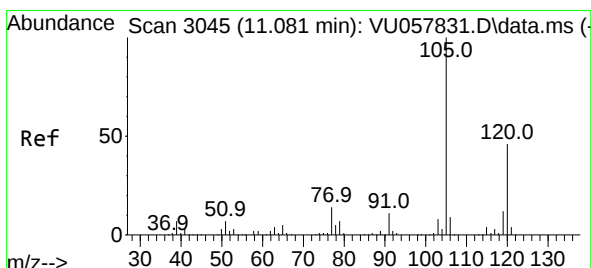
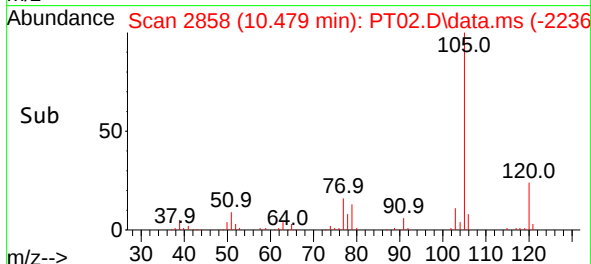
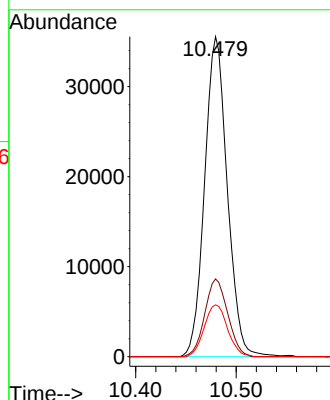
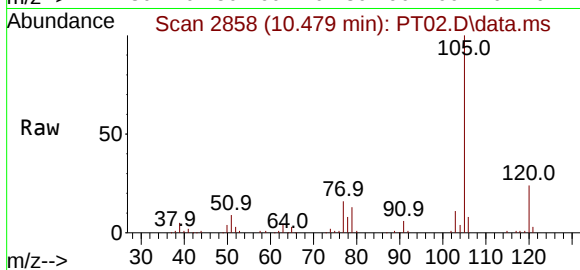
Acq: 07 Feb 2024 21:48

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:105	Resp:	55724
Ion Ratio	Lower	Upper
105	100	
120	24.5	19.9
77	16.7	13.3



#62

1,3,5-Trimethylbenzene

Concen: 18.527 ug/L

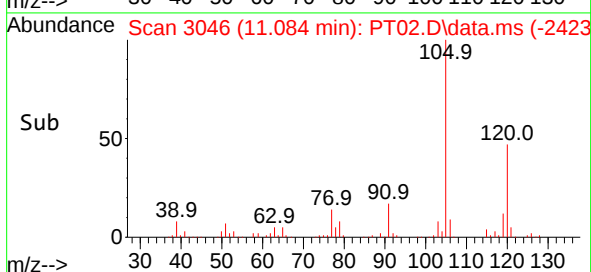
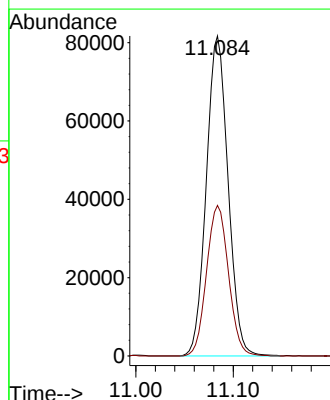
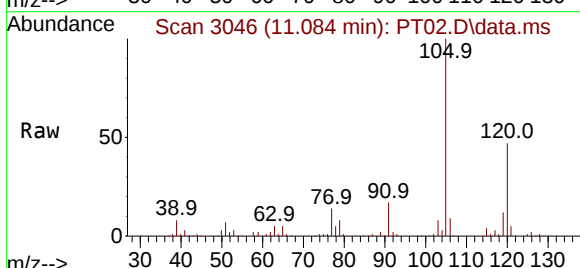
RT: 11.084 min Scan# 3046

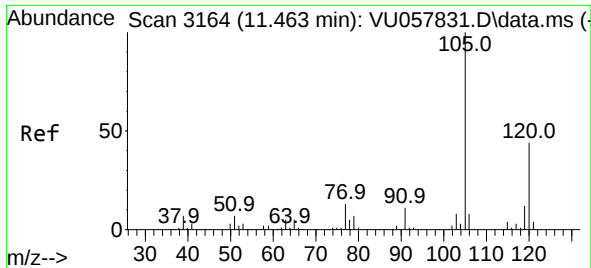
Delta R.T. 0.003 min

Lab File: PT02.D

Acq: 07 Feb 2024 21:48

Tgt Ion:105	Resp:	126818
Ion Ratio	Lower	Upper
105	100	
120	47.5	36.1

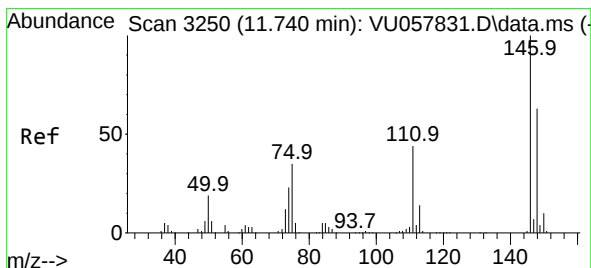
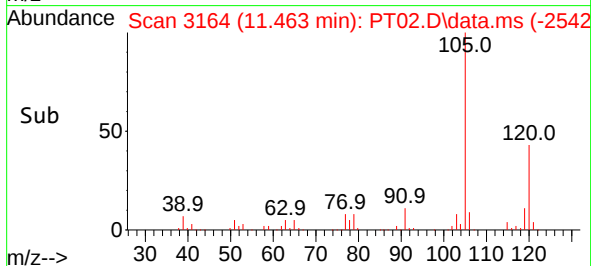
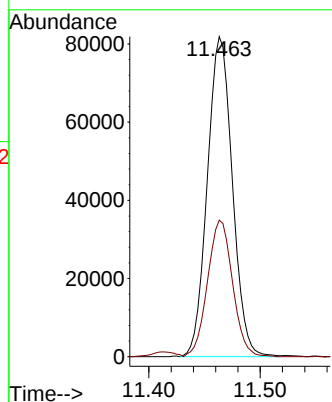
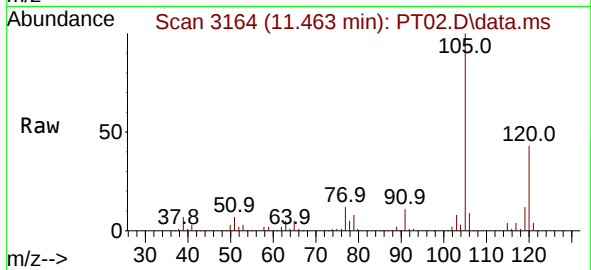




#63
1,2,4-Trimethylbenzene
Concen: 18.691 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: PT02.D
Acq: 07 Feb 2024 21:48

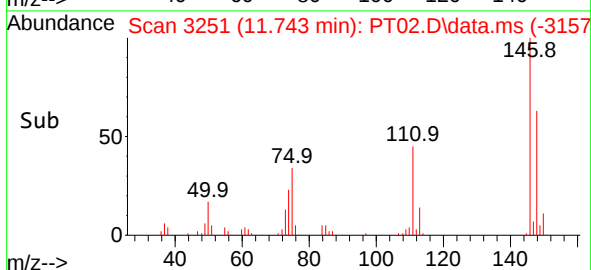
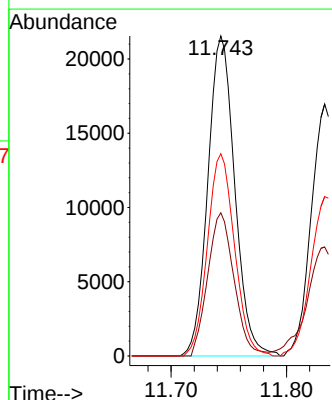
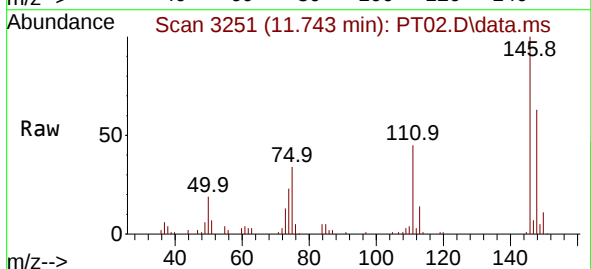
Instrument :
MSVOA_U
ClientSampleId :

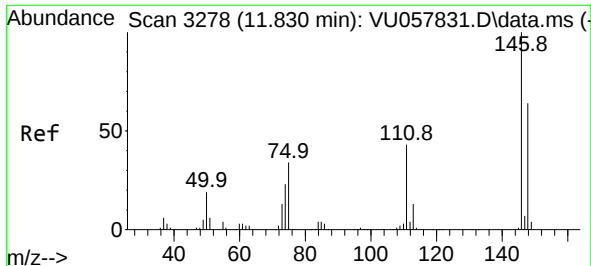
Tgt Ion:105 Resp: 128055
Ion Ratio Lower Upper
105 100
120 42.6 33.4 50.2



#64
1,3-Dichlorobenzene
Concen: 9.876 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.003 min
Lab File: PT02.D
Acq: 07 Feb 2024 21:48

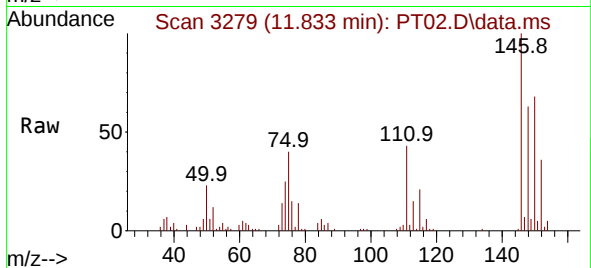
Tgt Ion:146 Resp: 34903
Ion Ratio Lower Upper
146 100
111 41.6 31.6 58.8
148 63.1 45.0 83.6



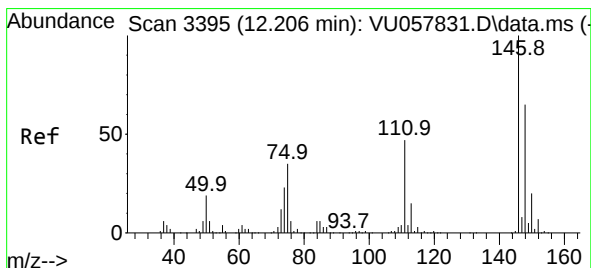
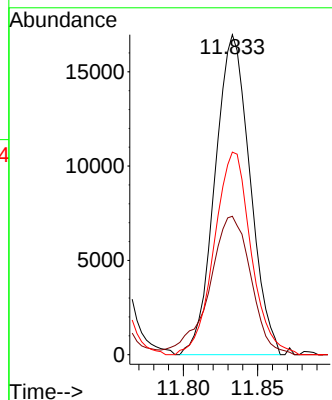
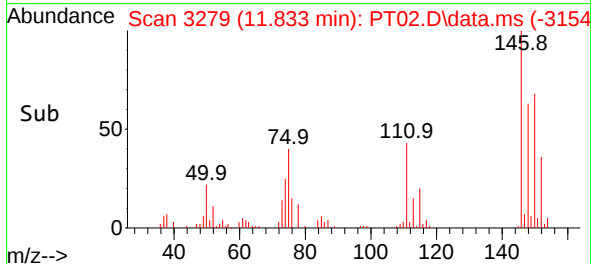


#65
1,4-Dichlorobenzene
Concen: 7.673 ug/L
RT: 11.833 min Scan# 31
Delta R.T. 0.003 min
Lab File: PT02.D
Acq: 07 Feb 2024 21:48

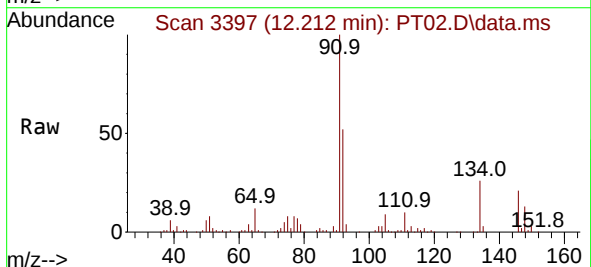
Instrument :
MSVOA_U
ClientSampleId :



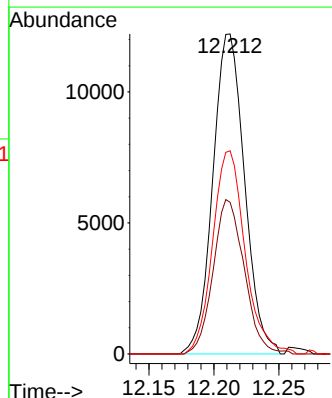
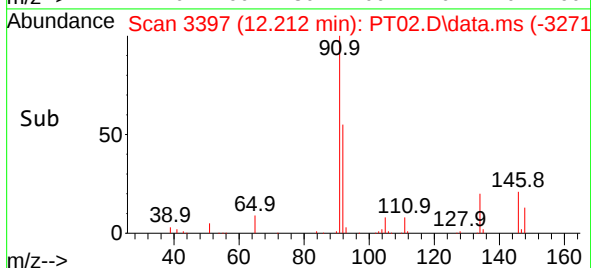
Tgt Ion:146 Resp: 27815
Ion Ratio Lower Upper
146 100
111 43.4 30.3 56.3
148 65.0 45.9 85.3

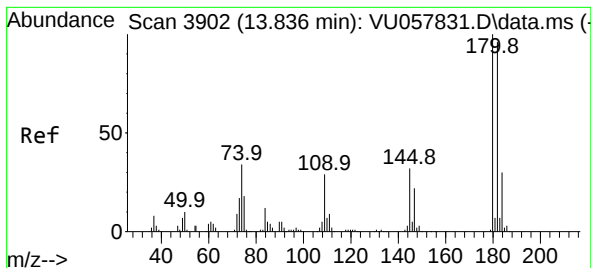


#67
1,2-Dichlorobenzene
Concen: 5.818 ug/L
RT: 12.212 min Scan# 3397
Delta R.T. 0.006 min
Lab File: PT02.D
Acq: 07 Feb 2024 21:48



Tgt Ion:146 Resp: 20729
Ion Ratio Lower Upper
146 100
111 47.8 36.9 55.3
148 62.0 52.2 78.2





#70

1,2,4-trichlorobenzene

Concen: 1.831 ug/L

RT: 13.839 min Scan# 3902

Delta R.T. 0.003 min

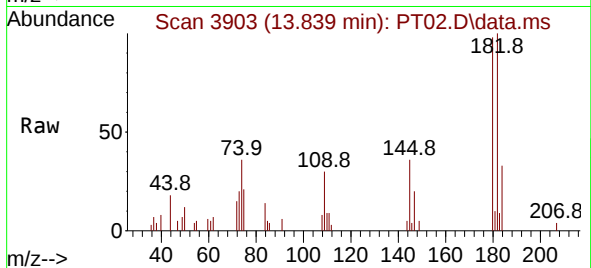
Lab File: PT02.D

Acq: 07 Feb 2024 21:48

Instrument :

MSVOA_U

ClientSampleId :



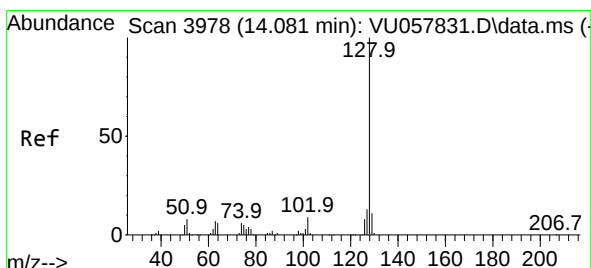
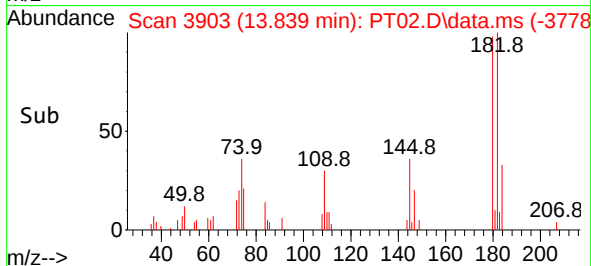
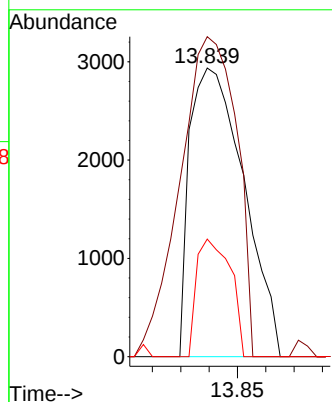
Tgt Ion:180 Resp: 3894

Ion Ratio Lower Upper

180 100

182 116.1 75.8 113.8#

145 25.5 27.4 41.0#



#71

Naphthalene

Concen: 26.481 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.003 min

Lab File: PT02.D

Acq: 07 Feb 2024 21:48

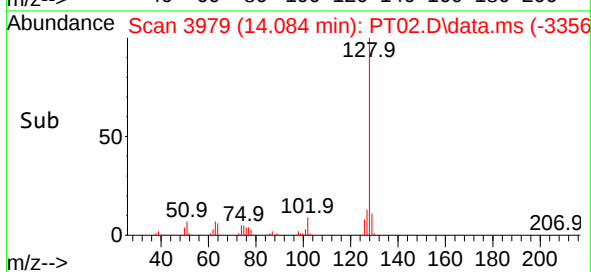
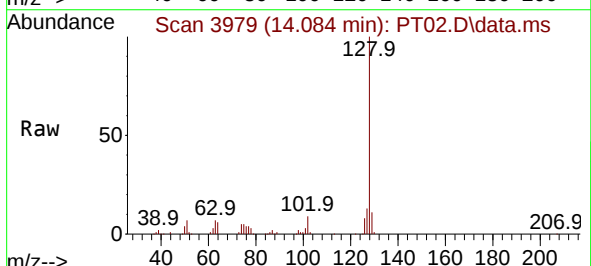
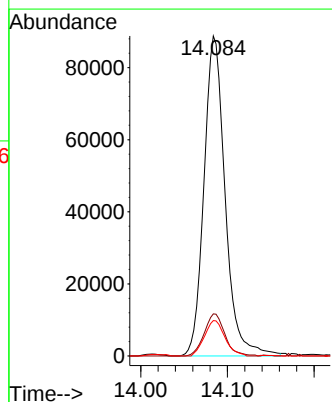
Tgt Ion:128 Resp: 150945

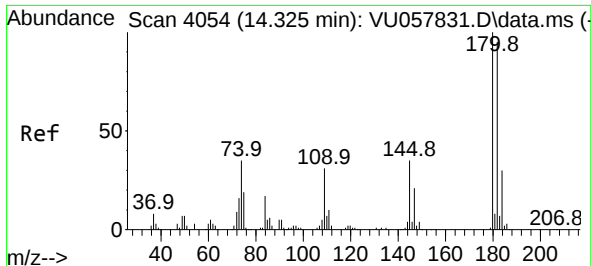
Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

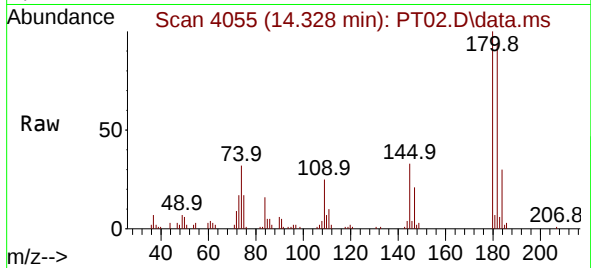
129 10.7 8.5 12.7





#72
 1,2,3-Trichlorobenzene
 Concen: 15.899 ug/L
 RT: 14.328 min Scan# 4055
 Delta R.T. 0.003 min
 Lab File: PT02.D
 Acq: 07 Feb 2024 21:48

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 31634
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.5 116.3
 145 34.3 28.2 42.4

