

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U041422\
 Data File : U048091.D
 Acq On : 15 Apr 2022 04:02
 Operator : SY/MD
 Sample : N2419-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J54

Quant Time: Apr 15 05:30:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 15 05:02:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	347520	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.449	117	365548	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.825	152	254253	50.000	ug/L	# 0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	79301	31.467	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	62.940%		
7) Chloroethane-d5	1.915	69	79079	39.796	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	79.600%		
11) 1,1-Dichloroethene-d2	2.568	63	110864	24.045	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	48.080%#		
21) 2-Butanone-d5	4.620	46	204227	94.416	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.420%		
24) Chloroform-d	5.066	84	214004	46.411	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.820%		
26) 1,2-Dichloroethane-d4	5.716	65	133210	47.103	ug/L	0.01
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.200%		
32) Benzene-d6	5.751	84	385899	41.954	ug/L	0.02
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.900%		
36) 1,2-Dichloropropane-d6	6.693	67	124544	44.089	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.180%		
41) Toluene-d8	7.899	98	345862	38.593	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	77.180%#		
43) trans-1,3-Dichloroprop...	8.182	79	54368	37.990	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.980%		
47) 2-Hexanone-d5	8.639	63	156645	94.726	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.730%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	228290	47.090	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.180%		
66) 1,2-Dichlorobenzene-d4	11.899	152	43	0.010	ug/L	-0.30
Spiked Amount 50.000	Range 80 - 120		Recovery =	0.020%#		
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1122	0.438	ug/L #	18
12) 1,1-Dichloroethene	2.575	96	1358	0.570	ug/L #	1
13) Acetone	2.626	43	22796	11.325	ug/L	94
14) Carbon disulfide	2.796	76	19137	2.540	ug/L	97
16) Methylene chloride	3.047	84	6082	2.223	ug/L	95
25) Chloroform	5.089	83	555497	116.353	ug/L	99
27) 1,2-Dichloroethane	5.832	62	3006942	815.217	ug/L #	75
29) Cyclohexane	5.394	56	18793	5.066	ug/L	97
33) Benzene	5.922	78	1949577	184.255	ug/L	100
35) Methylcyclohexane	6.764	83	4586	1.087	ug/L #	59
42) Toluene	7.973	91	24506	2.111	ug/L	99
46) Tetrachloroethene	8.555	164	5788	2.322	ug/L	93
49) Dibromochloromethane	8.555	129	4887	1.479	ug/L #	11
64) 1,3-Dichlorobenzene	11.751	146	2222603	291.009	ug/L	100
65) 1,4-Dichlorobenzene	11.751	146	2222603	280.952	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.973	75	8600	5.601	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.841	180	2527246	407.433	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	2527246	465.159	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	291464	53.514	ug/L	99

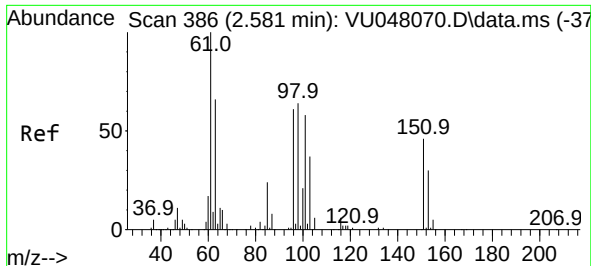
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041422\
Data File : VU048091.D
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

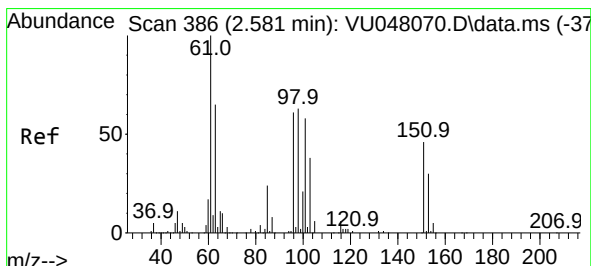
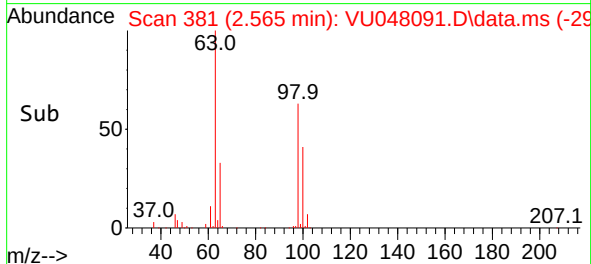
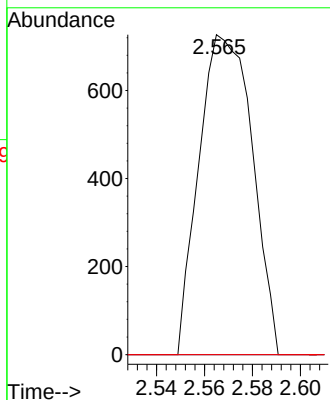
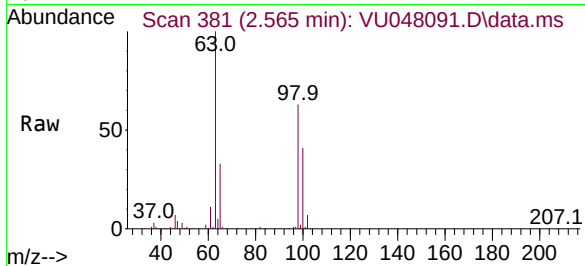
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.438 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.016 min
 Lab File: VU048091.D
 Acq: 15 Apr 2022 04:02

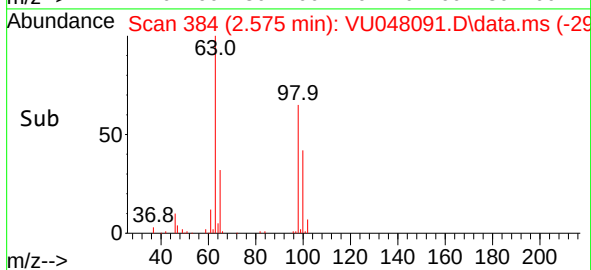
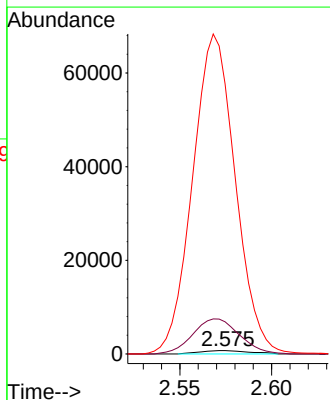
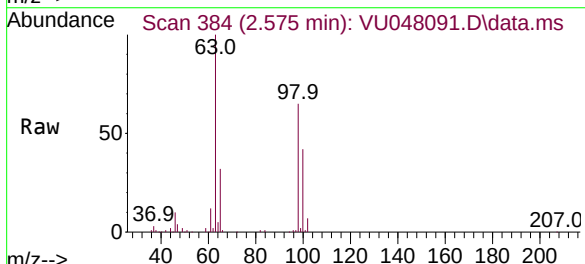
Instrument :
 MSVOA_U
 ClientSampleId :
 C0J54

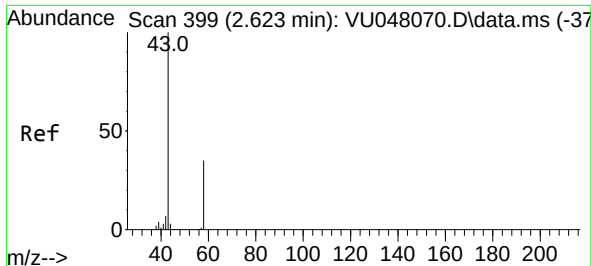
Tgt Ion:101 Resp: 1122
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 0.570 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.007 min
 Lab File: VU048091.D
 Acq: 15 Apr 2022 04:02

Tgt Ion: 96 Resp: 1358
 Ion Ratio Lower Upper
 96 100
 61 975.7 113.1 210.1#
 63 8204.8 94.8 176.0#





#13

Acetone

Concen: 11.325 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU048091.D

Acq: 15 Apr 2022 04:02

Instrument :

MSVOA_U

ClientSampleId :

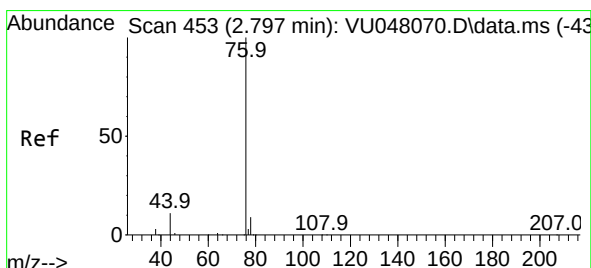
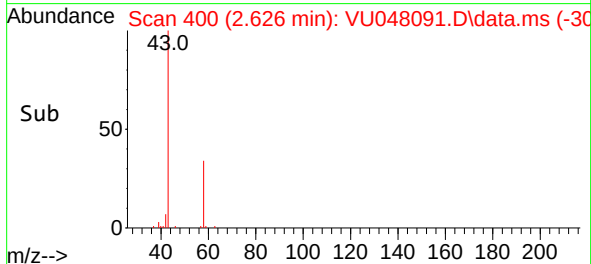
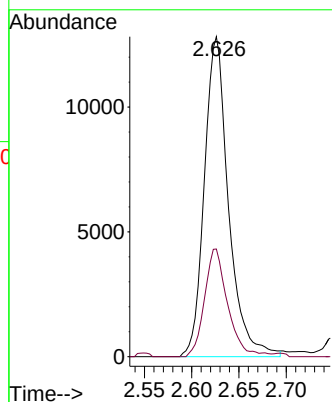
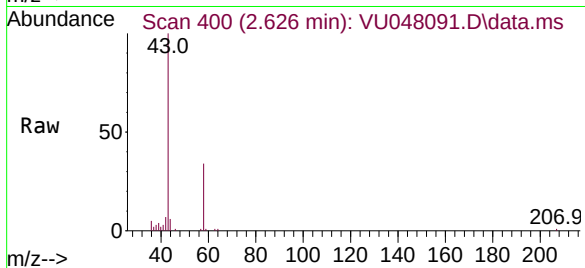
C0J54

Tgt Ion: 43 Resp: 22796

Ion Ratio Lower Upper

43 100

58 31.4 0.0 70.0



#14

Carbon disulfide

Concen: 2.540 ug/L

RT: 2.796 min Scan# 453

Delta R.T. -0.000 min

Lab File: VU048091.D

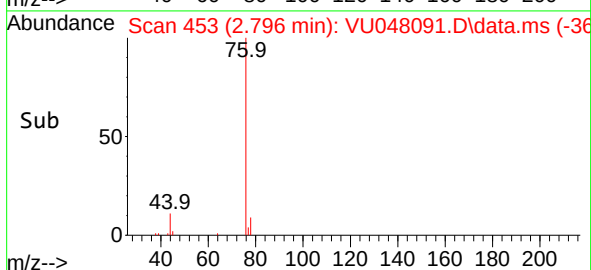
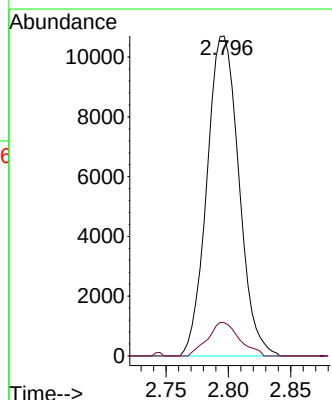
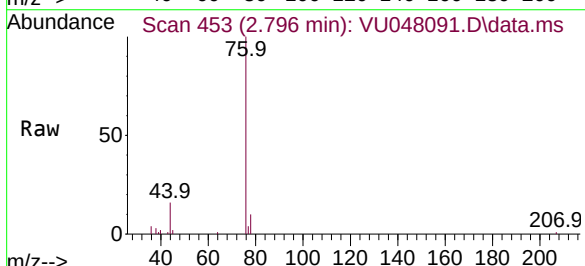
Acq: 15 Apr 2022 04:02

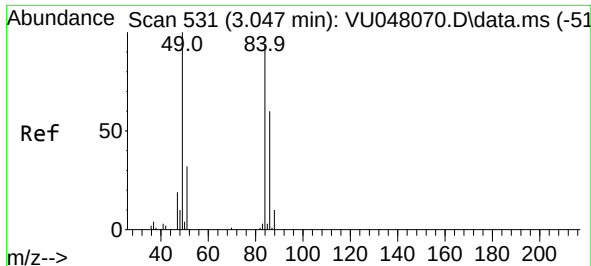
Tgt Ion: 76 Resp: 19137

Ion Ratio Lower Upper

76 100

78 10.4 7.4 11.0

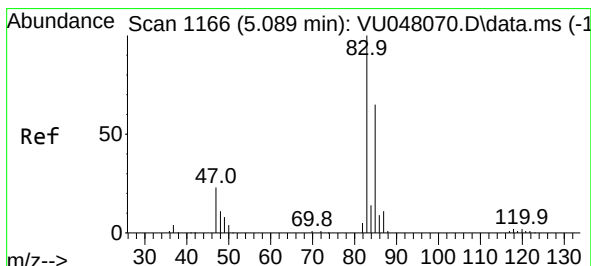
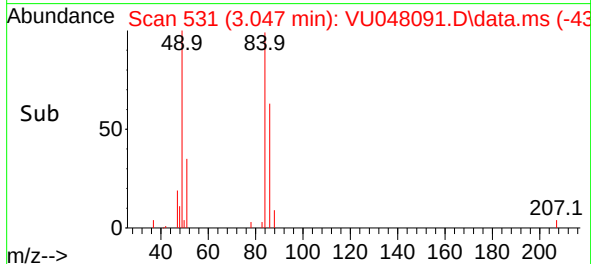
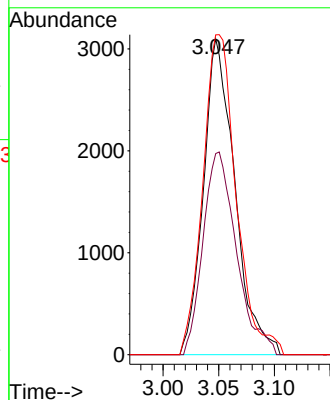
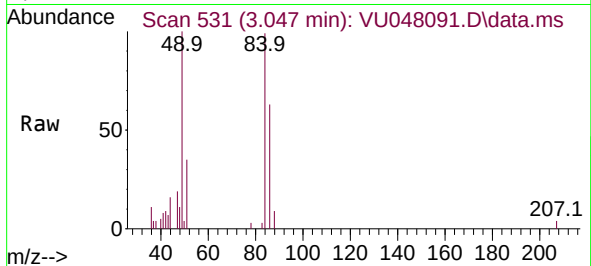




#16
Methylene chloride
Concen: 2.223 ug/L
RT: 3.047 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU048091.D
Acq: 15 Apr 2022 04:02

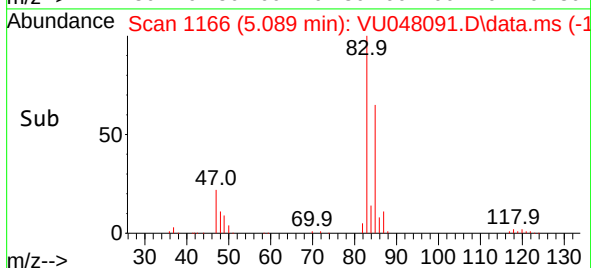
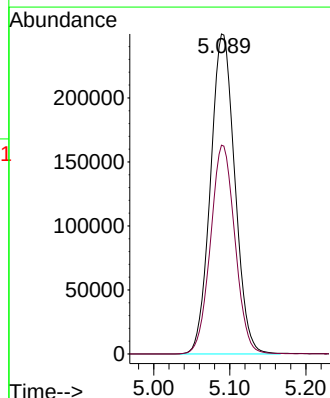
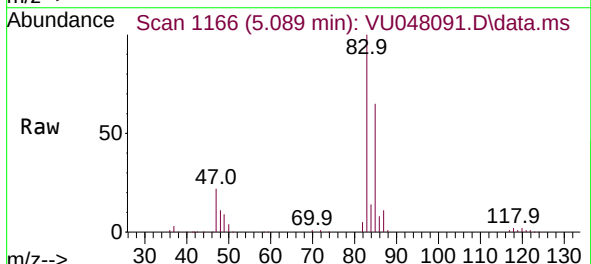
Instrument :
MSVOA_U
ClientSampleId :
C0J54

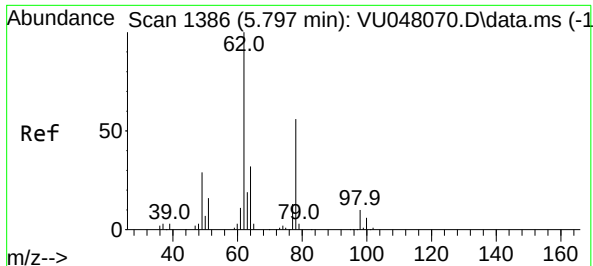
Tgt Ion: 84 Resp: 6082
Ion Ratio Lower Upper
84 100
86 63.6 46.0 85.4
49 101.3 75.3 139.8



#25
Chloroform
Concen: 116.353 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VU048091.D
Acq: 15 Apr 2022 04:02

Tgt Ion: 83 Resp: 555497
Ion Ratio Lower Upper
83 100
85 65.2 46.2 85.8





#27

1,2-Dichloroethane

Concen: 815.217 ug/L

RT: 5.832 min Scan# 11

Delta R.T. 0.035 min

Lab File: VU048091.D

Acq: 15 Apr 2022 04:02

Instrument :

MSVOA_U

ClientSampleId :

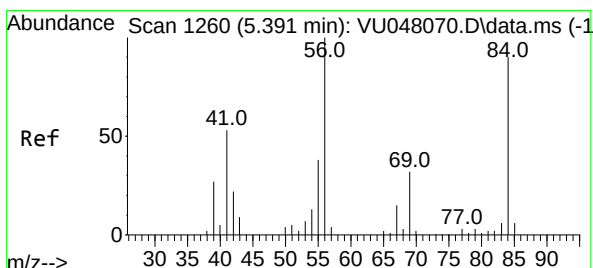
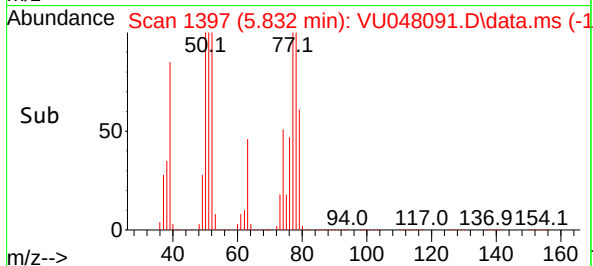
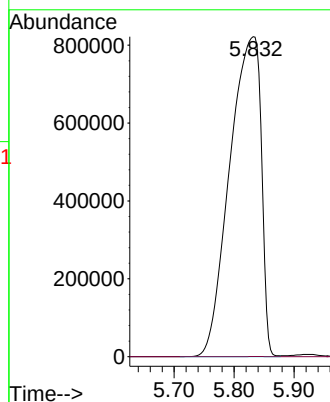
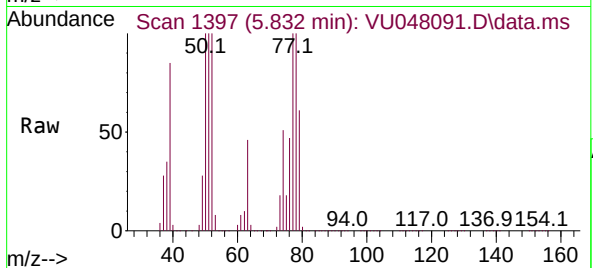
C0J54

Tgt Ion: 62 Resp: 3006942

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#29

Cyclohexane

Concen: 5.066 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. 0.003 min

Lab File: VU048091.D

Acq: 15 Apr 2022 04:02

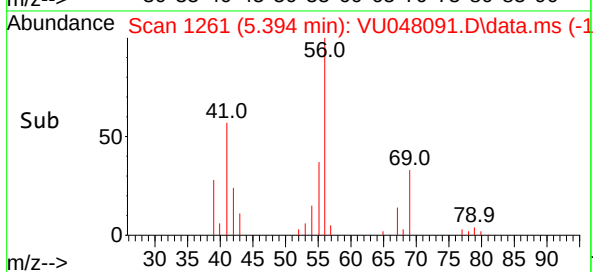
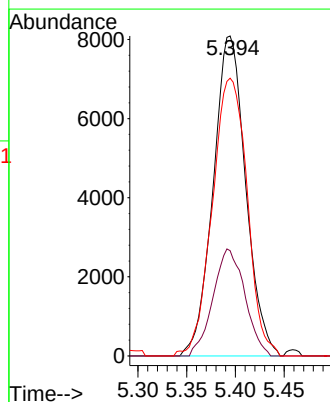
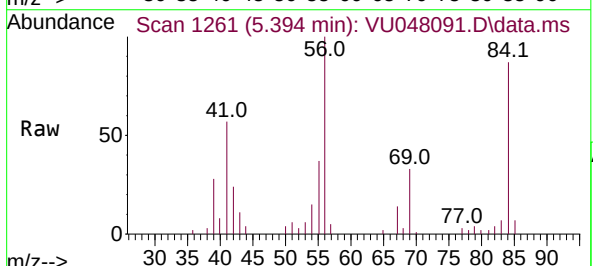
Tgt Ion: 56 Resp: 18793

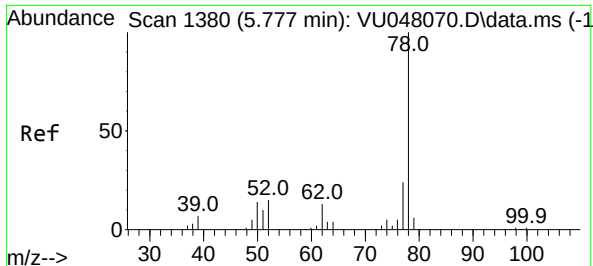
Ion Ratio Lower Upper

56 100

69 32.7 25.4 38.2

84 92.5 77.0 115.6

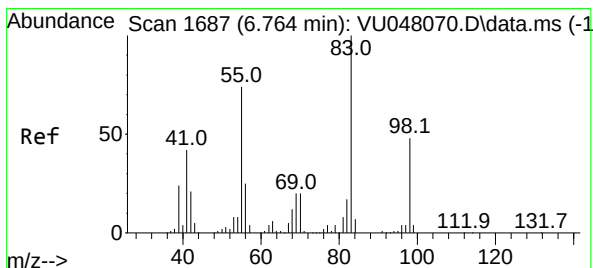
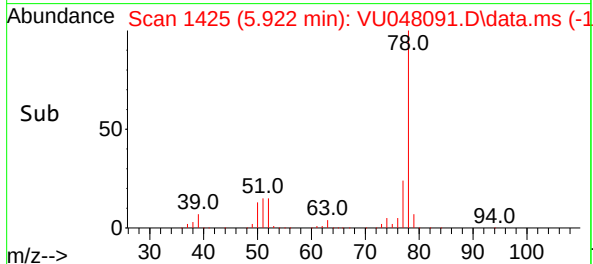
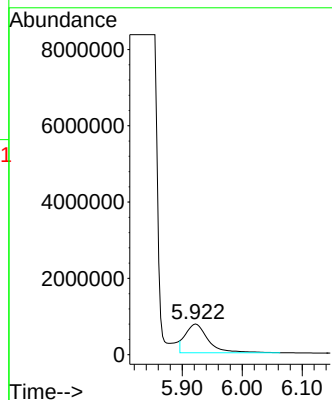
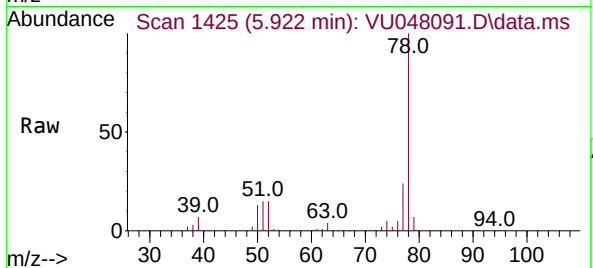




#33
Benzene
Concen: 184.255 ug/L
RT: 5.922 min Scan# 14
Delta R.T. 0.144 min
Lab File: VU048091.D
Acq: 15 Apr 2022 04:02

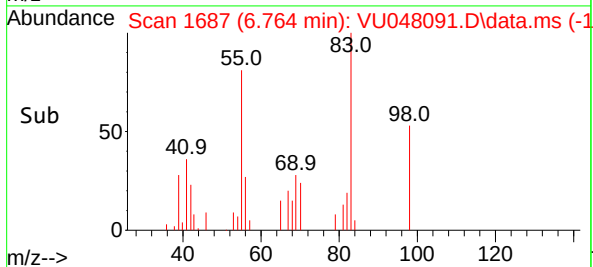
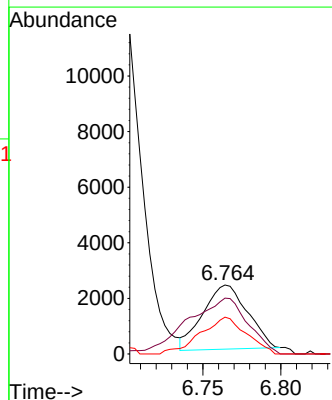
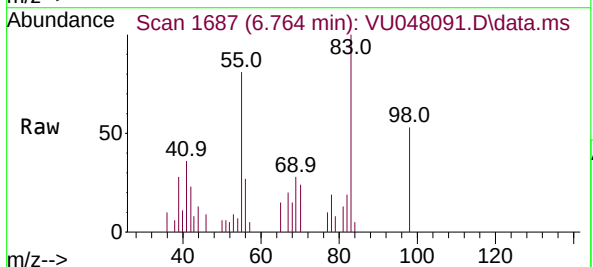
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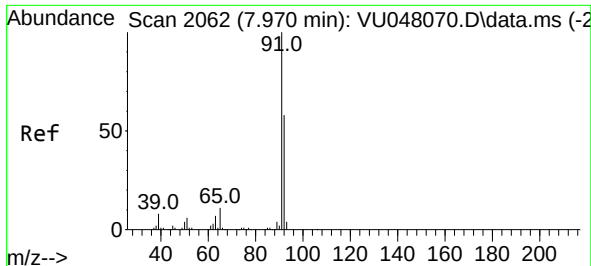
Tgt Ion: 78 Resp: 1949577



#35
Methylcyclohexane
Concen: 1.087 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048091.D
Acq: 15 Apr 2022 04:02

Tgt Ion: 83 Resp: 4586
Ion Ratio Lower Upper
83 100
55 118.7 56.8 85.2#
98 59.0 38.1 57.1#





#42

Toluene

Concen: 2.111 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU048091.D

Acq: 15 Apr 2022 04:02

Instrument :

MSVOA_U

ClientSampleId :

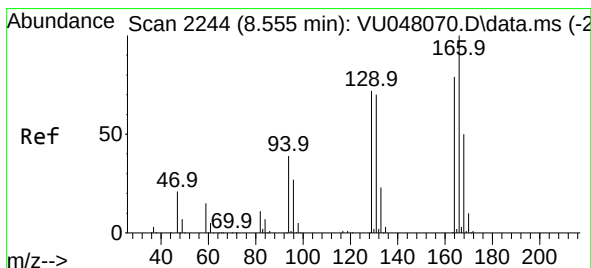
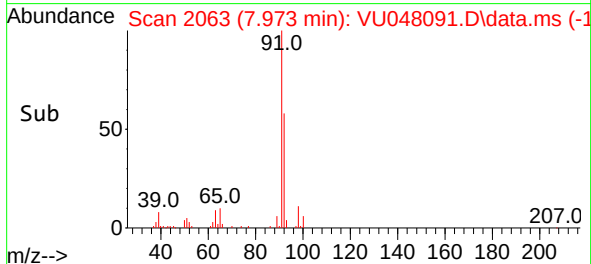
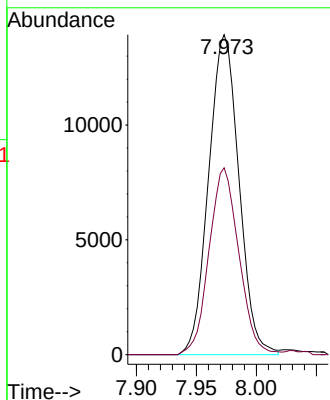
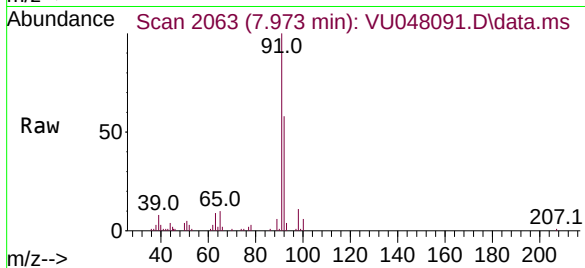
C0J54

Tgt Ion: 91 Resp: 24506

Ion Ratio Lower Upper

91 100

92 58.4 40.4 75.0



#46

Tetrachloroethene

Concen: 2.322 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU048091.D

Acq: 15 Apr 2022 04:02

Tgt Ion: 164 Resp: 5788

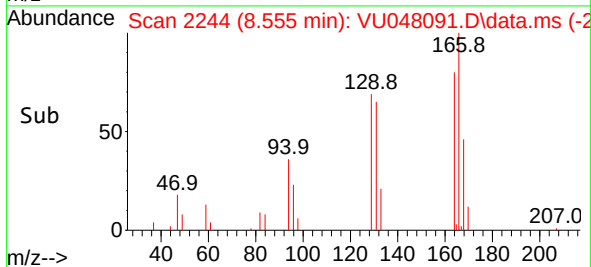
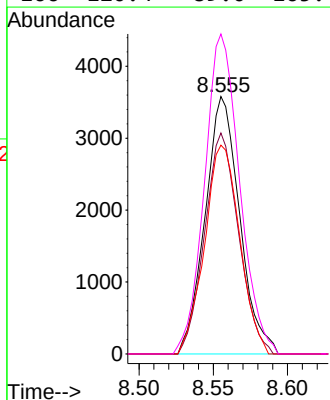
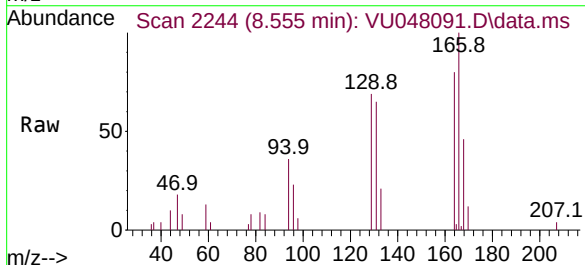
Ion Ratio Lower Upper

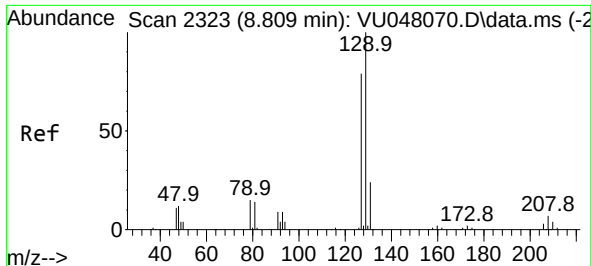
164 100

129 83.1 62.4 116.0

131 78.6 60.7 112.7

166 120.4 89.0 165.4





#49

Dibromochloromethane

Concen: 1.479 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU048091.D

Acq: 15 Apr 2022 04:02

Instrument :

MSVOA_U

ClientSampleId :

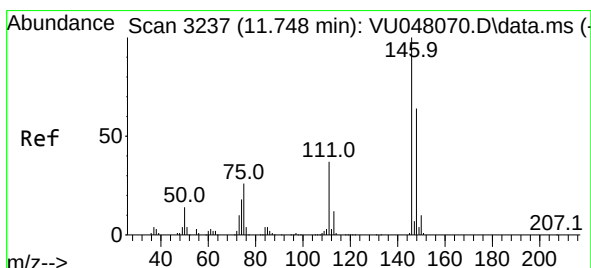
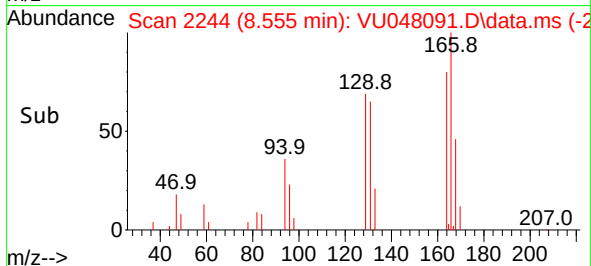
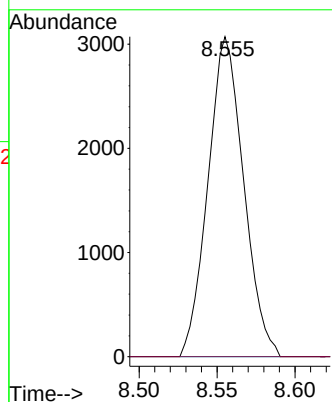
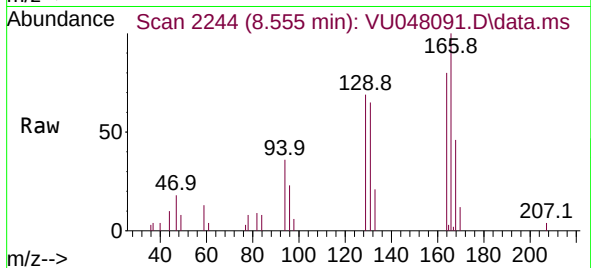
C0J54

Tgt Ion:129 Resp: 4887

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#64

1,3-Dichlorobenzene

Concen: 291.009 ug/L

RT: 11.751 min Scan# 3238

Delta R.T. 0.003 min

Lab File: VU048091.D

Acq: 15 Apr 2022 04:02

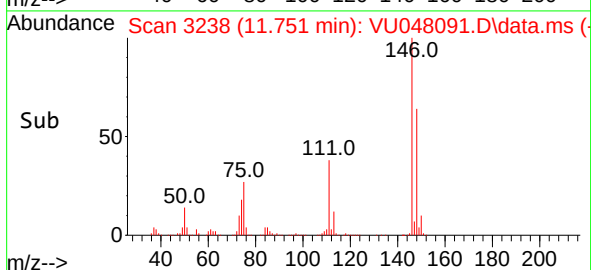
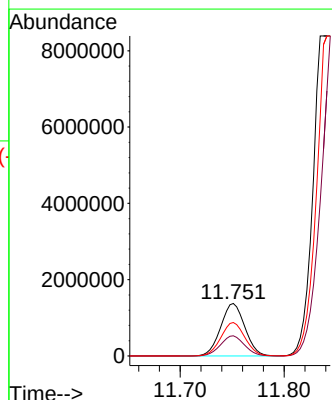
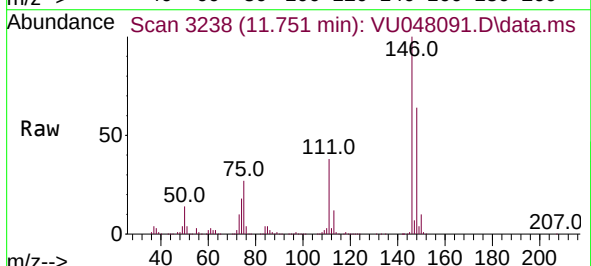
Tgt Ion:146 Resp: 2222603

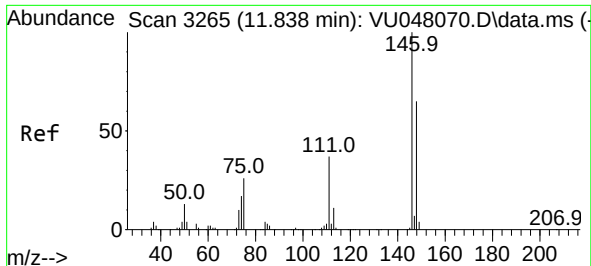
Ion Ratio Lower Upper

146 100

111 38.3 26.7 49.7

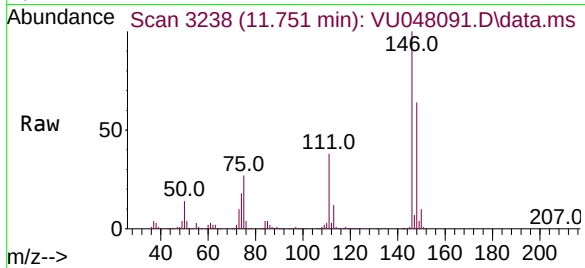
148 63.8 44.4 82.5



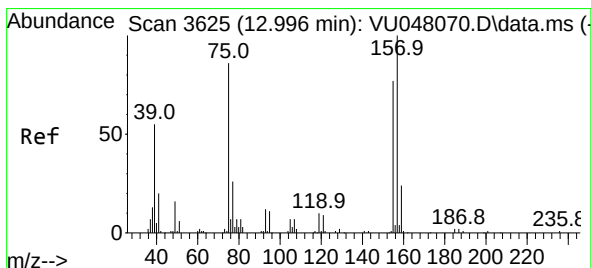
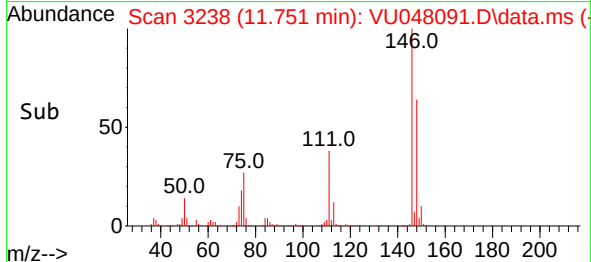
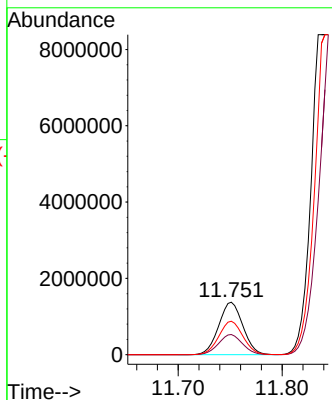


#65
1,4-Dichlorobenzene
Concen: 280.952 ug/L
RT: 11.751 min Scan# 31
Delta R.T. -0.087 min
Lab File: VU048091.D
Acq: 15 Apr 2022 04:02

Instrument :
MSVOA_U
ClientSampleId :
C0J54

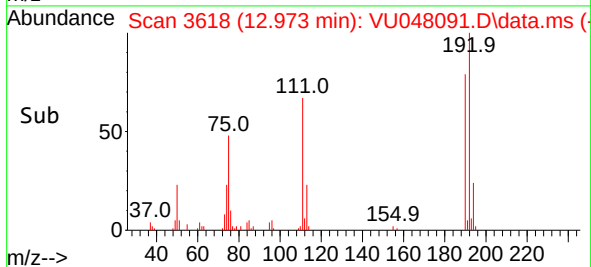
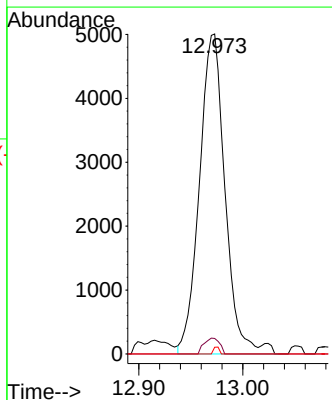
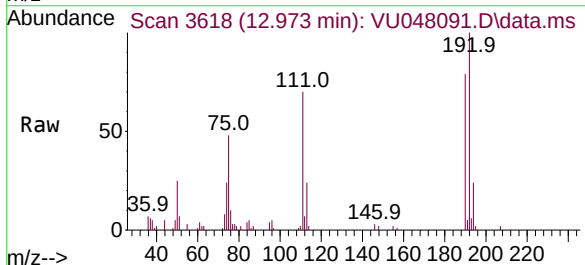


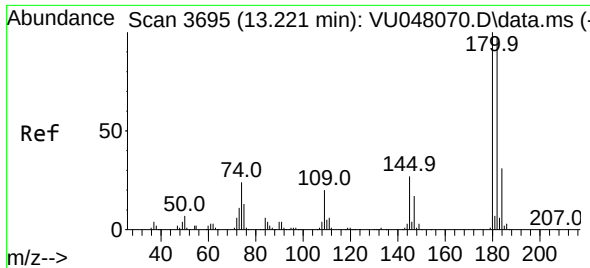
Tgt Ion:146 Resp: 2222603
Ion Ratio Lower Upper
146 100
111 38.3 25.3 47.1
148 63.8 44.5 82.7



#68
1,2-Dibromo-3-chloropropane
Concen: 5.601 ug/L
RT: 12.973 min Scan# 3618
Delta R.T. -0.023 min
Lab File: VU048091.D
Acq: 15 Apr 2022 04:02

Tgt Ion: 75 Resp: 8600
Ion Ratio Lower Upper
75 100
155 4.9 78.9 118.3#
157 2.1 97.5 146.3#

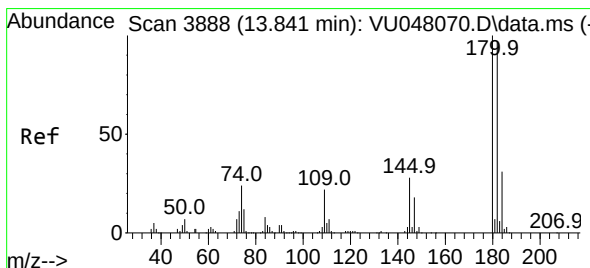
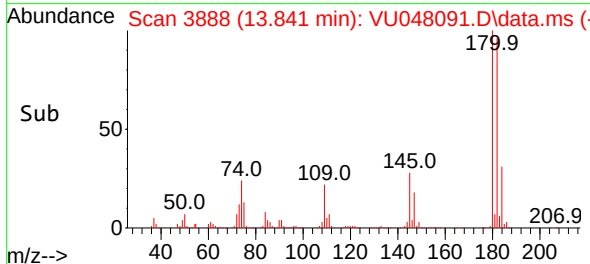
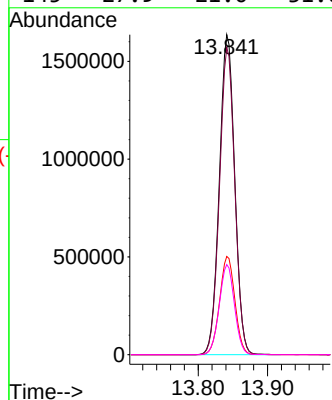
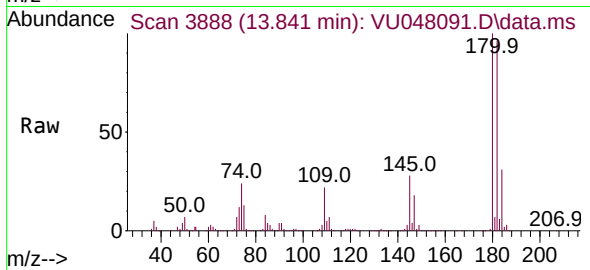




#69
 1,3,5-Trichlorobenzene
 Concen: 407.433 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.620 min
 Lab File: VU048091.D
 Acq: 15 Apr 2022 04:02

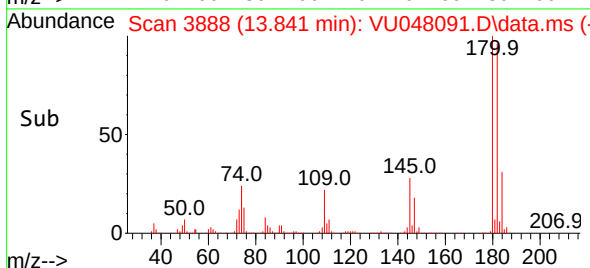
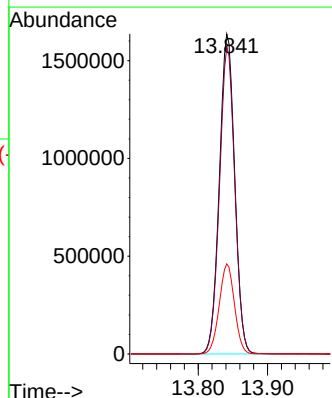
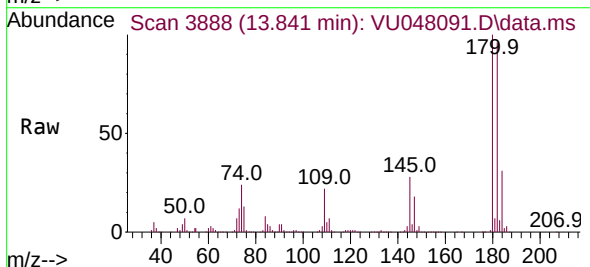
Instrument :
 MSVOA_U
 ClientSampleId :
 C0J54

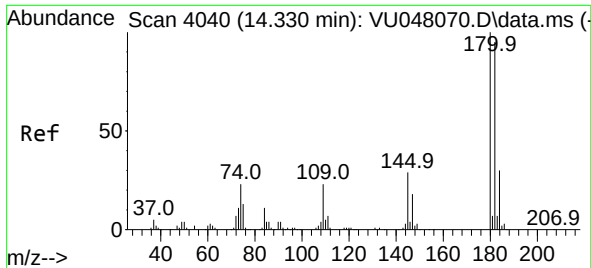
Tgt Ion:180 Resp: 2527246
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.0 115.6
 184 30.7 24.5 36.7
 145 27.9 21.0 31.6



#70
 1,2,4-trichlorobenzene
 Concen: 465.159 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048091.D
 Acq: 15 Apr 2022 04:02

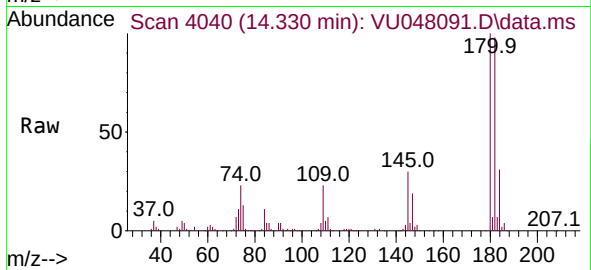
Tgt Ion:180 Resp: 2527246
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.2 114.2
 145 27.9 21.8 32.8





#72
 1,2,3-Trichlorobenzene
 Concen: 53.514 ug/L
 RT: 14.330 min Scan# 40
 Delta R.T. -0.000 min
 Lab File: VU048091.D
 Acq: 15 Apr 2022 04:02

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J54



Tgt Ion:180 Resp: 291464
 Ion Ratio Lower Upper
 180 100
 182 97.0 77.4 116.0
 145 29.3 22.8 34.2

