

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072522\
 Data File : VU049875.D
 Acq On : 25 Jul 2022 18:30
 Operator : SY/MD
 Sample : N3870-21
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ18

Quant Time: Jul 26 05:36:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 26 05:33:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	86666	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	82819	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	34703	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	34078	4.857	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	97.200%	
7) Chloroethane-d5	1.909	69	30508	5.195	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	104.000%	
11) 1,1-Dichloroethene-d2	2.565	65	14689	4.690	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	93.800%	
20) 2-Butanone-d5	4.629	46	134315	53.204	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	106.400%	
24) Chloroform-d	5.067	84	80298	5.139	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	102.800%	
26) 1,2-Dichloroethane-d4	5.703	65	46184	5.040	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.800%	
32) Benzene-d6	5.729	84	142594	5.053	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.000%	
36) 1,2-Dichloropropane-d6	6.690	67	51004	5.231	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	104.600%	
41) Toluene-d8	7.899	98	115348	4.676	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.600%	
43) trans-1,3-Dichloroprop...	8.182	79	16716	4.722	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	94.400%	
46) 2-Hexanone-d5	8.636	63	72226	51.492	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	102.980%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	41980	5.127	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	102.600%	
66) 1,2-Dichlorobenzene-d4	12.195	152	39563	5.523	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	110.400%	
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	1076	0.114	ug/L #	57
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	12470	2.203	ug/L	97
12) 1,1-Dichloroethene	2.578	96	5569	0.972	ug/L #	1
17) Methyl tert-butyl Ether	3.375	73	3115	0.168	ug/L #	88
18) trans-1,2-Dichloroethene	3.359	96	681	0.103	ug/L	71
19) 1,1-Dichloroethane	3.871	63	30111	2.105	ug/L	99
22) cis-1,2-Dichloroethene	4.668	96	56590	7.381	ug/L	99
25) Chloroform	5.089	83	24927	1.642	ug/L	90
27) 1,2-Dichloroethane	5.797	62	6656	0.638	ug/L	99
31) Carbon tetrachloride	5.530	117	5035	0.533	ug/L	85
33) Benzene	5.777	78	2169	0.072	ug/L	100
34) Trichloroethene	6.542	95	246114	33.777	ug/L	98
35) Methylcyclohexane	6.694	83	11651	1.296	ug/L #	15
47) Tetrachloroethene	8.555	164	12769	2.546	ug/L	92
49) Dibromochloromethane	8.555	129	11922	1.745	ug/L #	14
61) 1,2,3-Trichloropropane	11.812	75	4530	0.980	ug/L #	70

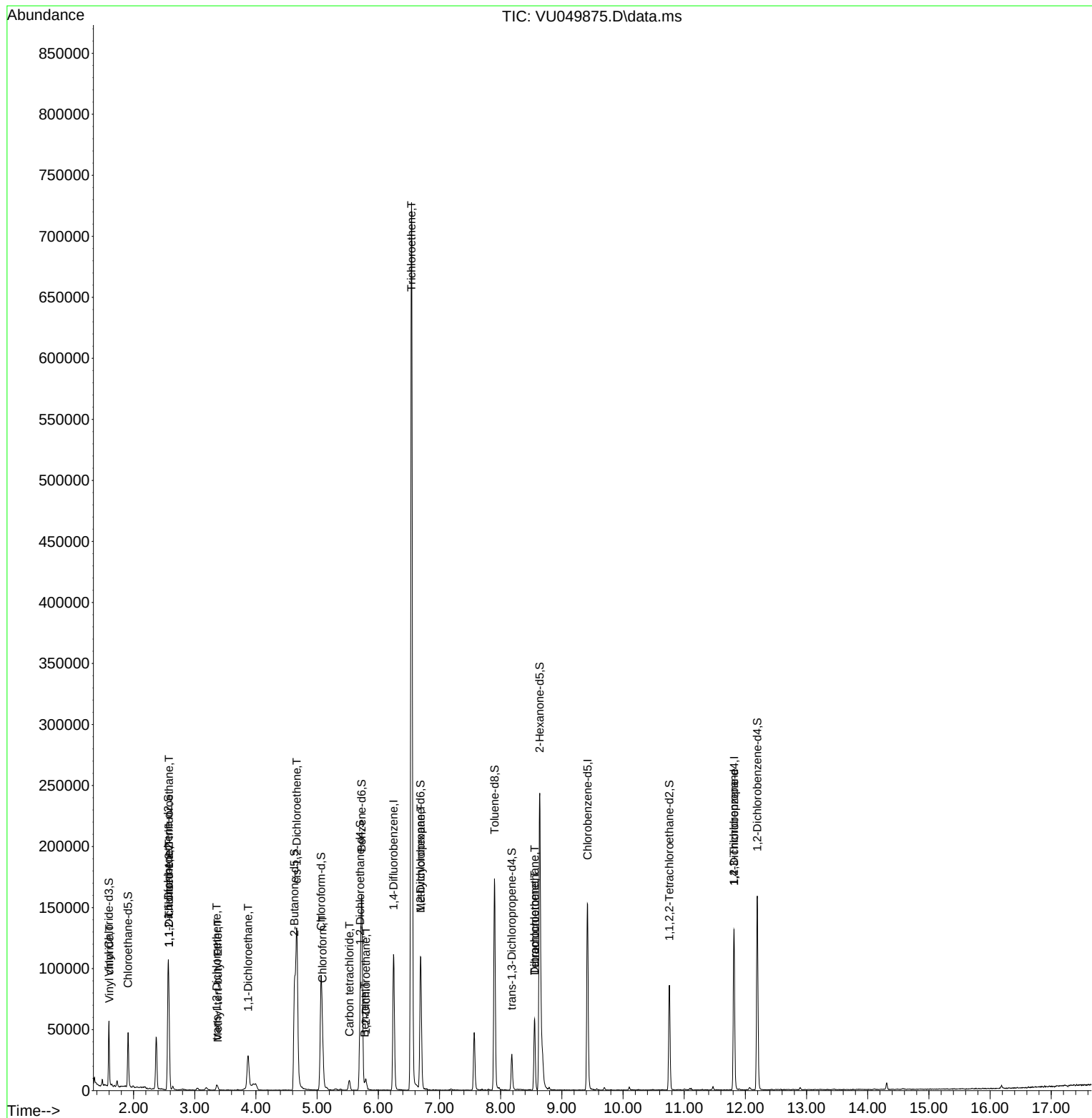
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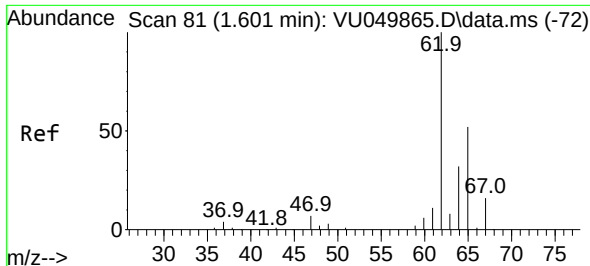
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MSVOA_U
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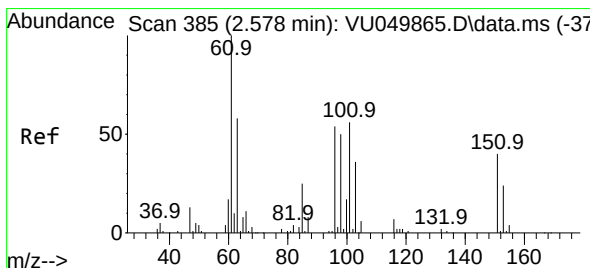
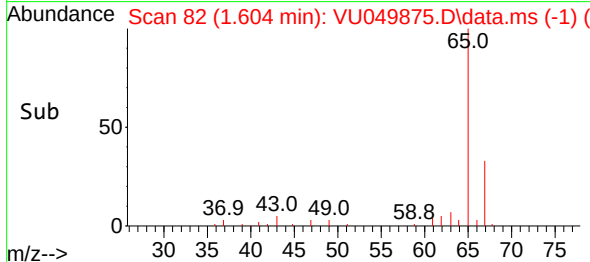
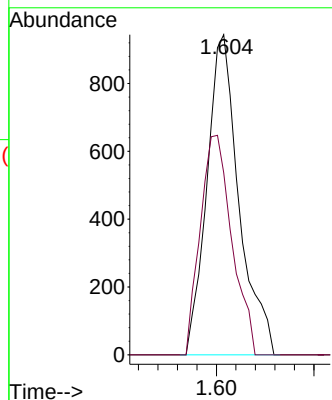
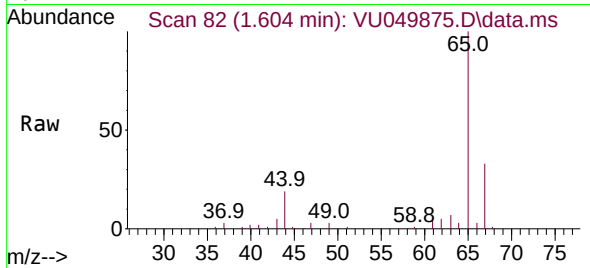




#5
 Vinyl chloride
 Concen: 0.114 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU049875.D
 Acq: 25 Jul 2022 18:30

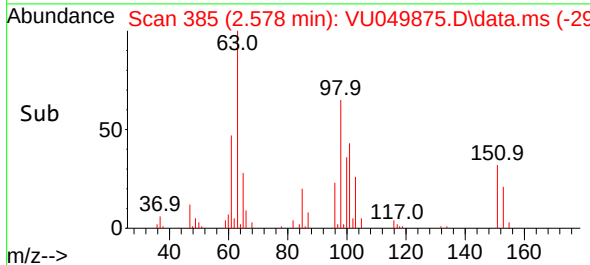
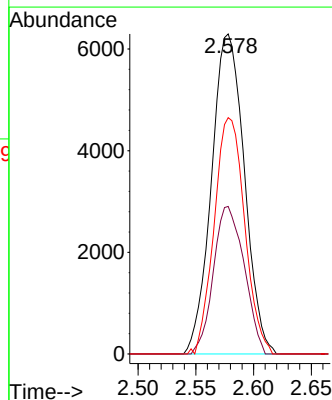
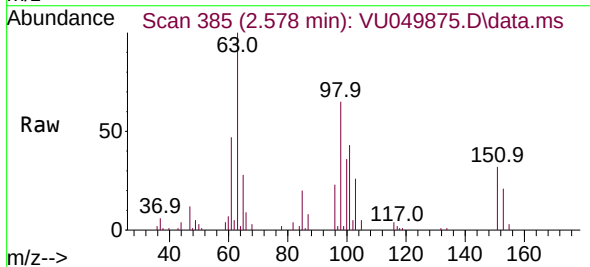
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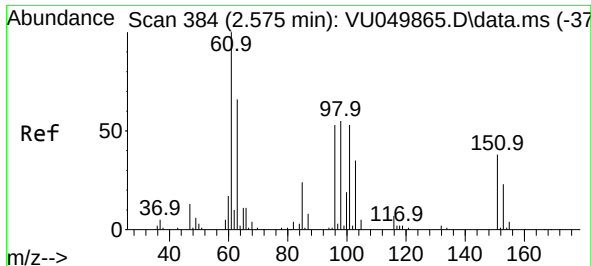
Tgt Ion: 62 Resp: 1076
 Ion Ratio Lower Upper
 62 100
 64 56.9 22.7 42.3#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.203 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU049875.D
 Acq: 25 Jul 2022 18:30

Tgt Ion: 101 Resp: 12470
 Ion Ratio Lower Upper
 101 100
 85 43.0 37.2 55.8
 151 68.5 56.0 84.0





#12

1,1-Dichloroethene

Concen: 0.972 ug/L

RT: 2.578 min Scan# 384

Delta R.T. 0.003 min

Lab File: VU049875.D

Acq: 25 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

GBJ18

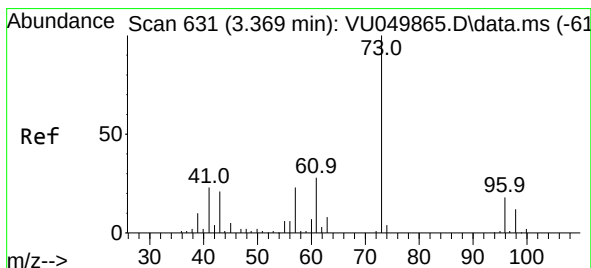
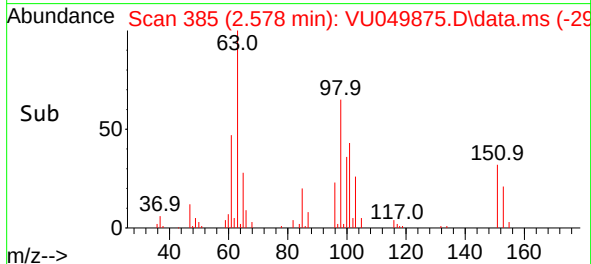
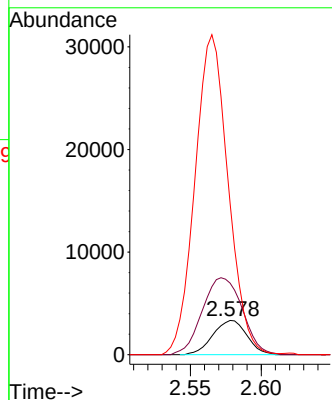
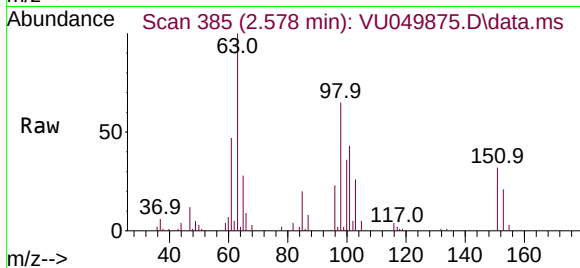
Tgt Ion: 96 Resp: 5569

Ion Ratio Lower Upper

96 100

61 208.9 131.6 244.4

63 442.0 100.0 185.6#



#17

Methyl tert-butyl Ether

Concen: 0.168 ug/L

RT: 3.375 min Scan# 633

Delta R.T. 0.006 min

Lab File: VU049875.D

Acq: 25 Jul 2022 18:30

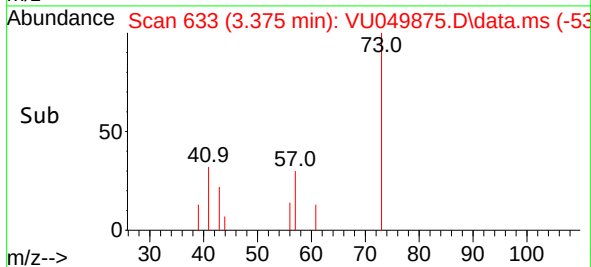
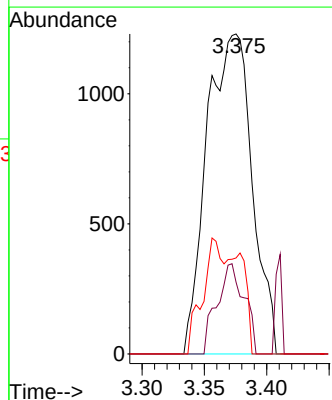
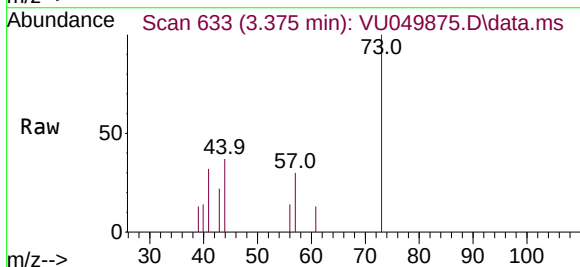
Tgt Ion: 73 Resp: 3115

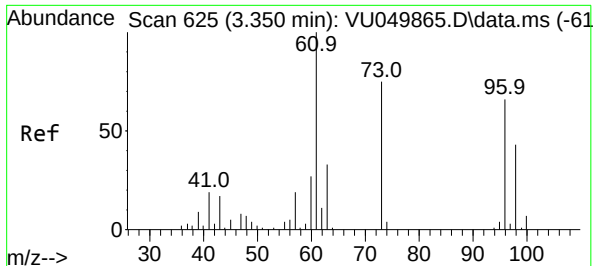
Ion Ratio Lower Upper

73 100

43 16.9 17.4 26.2#

57 16.4 18.7 28.1#

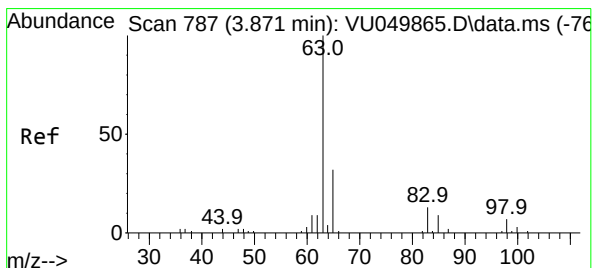
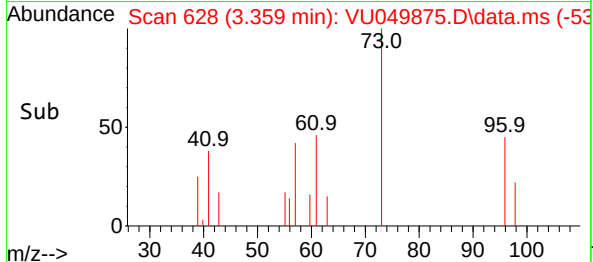
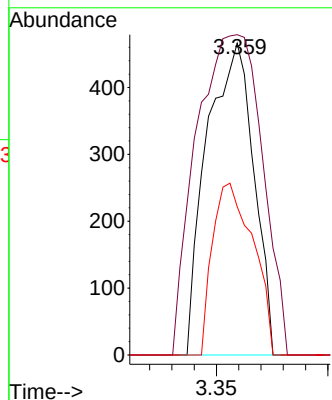
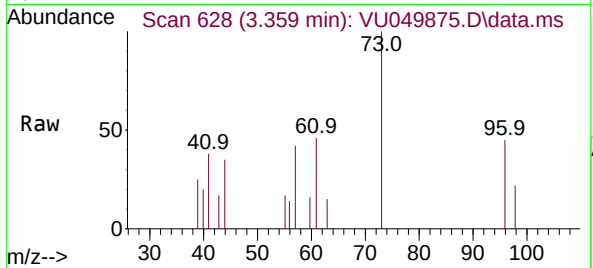




#18
trans-1,2-Dichloroethene
Concen: 0.103 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.010 min
Lab File: VU049875.D
Acq: 25 Jul 2022 18:30

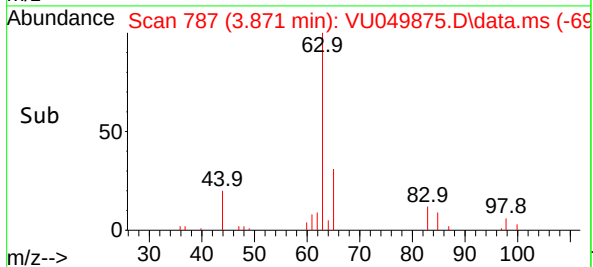
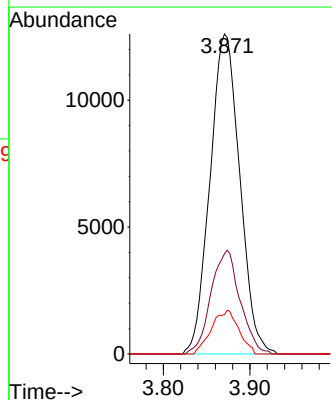
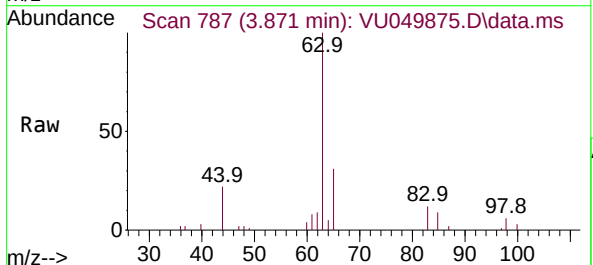
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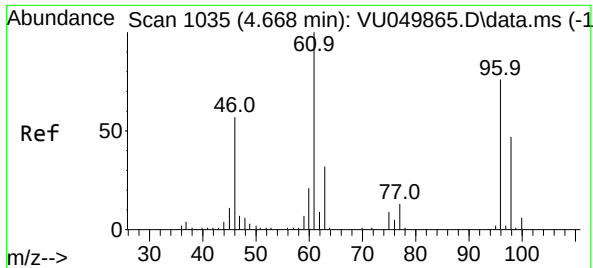
Tgt Ion: 96 Resp: 681
Ion Ratio Lower Upper
96 100
61 102.8 101.5 188.5
98 47.6 42.5 78.9



#19
1,1-Dichloroethane
Concen: 2.105 ug/L
RT: 3.871 min Scan# 787
Delta R.T. -0.000 min
Lab File: VU049875.D
Acq: 25 Jul 2022 18:30

Tgt Ion: 63 Resp: 30111
Ion Ratio Lower Upper
63 100
65 31.3 22.5 41.9
83 12.4 8.3 15.5

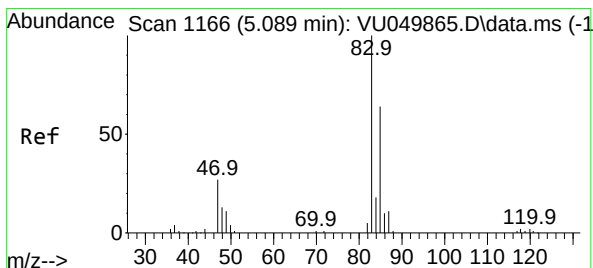
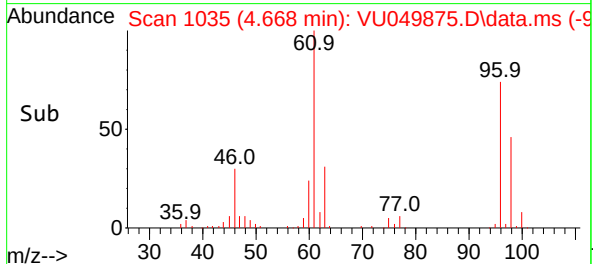
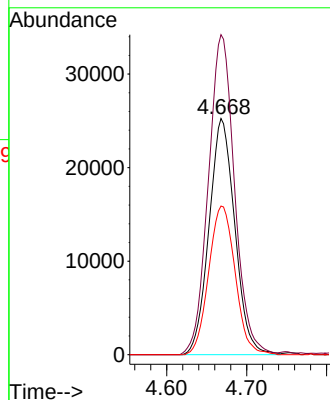
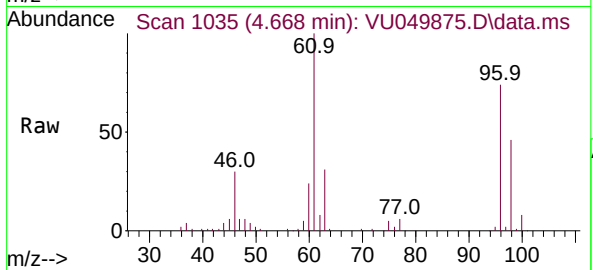




#22
 cis-1,2-Dichloroethene
 Concen: 7.381 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.000 min
 Lab File: VU049875.D
 Acq: 25 Jul 2022 18:30

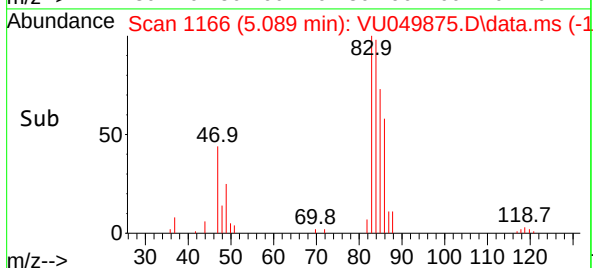
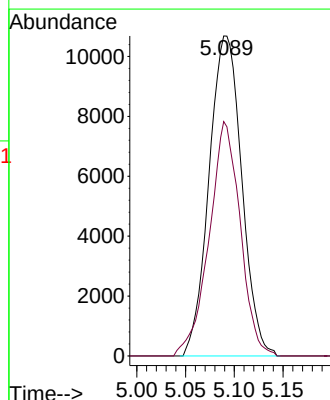
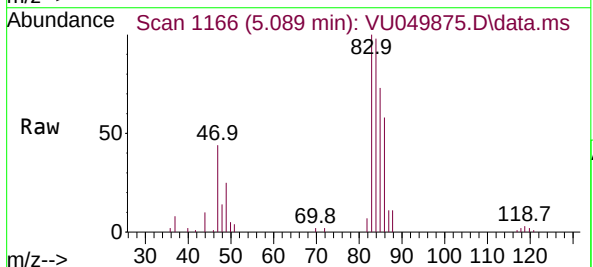
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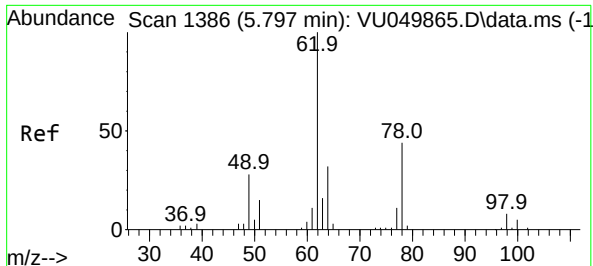
Tgt Ion: 96 Resp: 56590
 Ion Ratio Lower Upper
 96 100
 61 135.5 93.9 174.3
 98 62.9 43.9 81.5



#25
 Chloroform
 Concen: 1.642 ug/L
 RT: 5.089 min Scan# 1166
 Delta R.T. -0.000 min
 Lab File: VU049875.D
 Acq: 25 Jul 2022 18:30

Tgt Ion: 83 Resp: 24927
 Ion Ratio Lower Upper
 83 100
 85 73.3 45.5 84.5

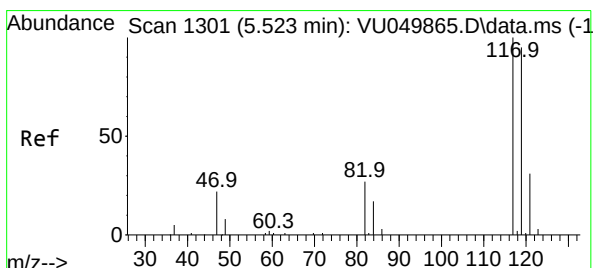
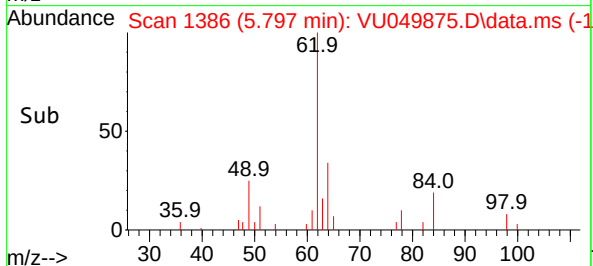
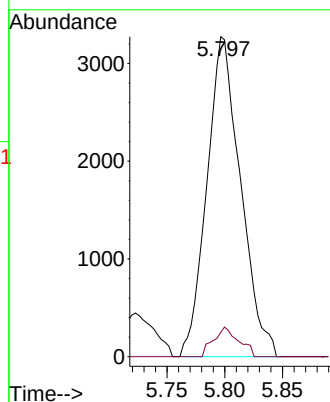
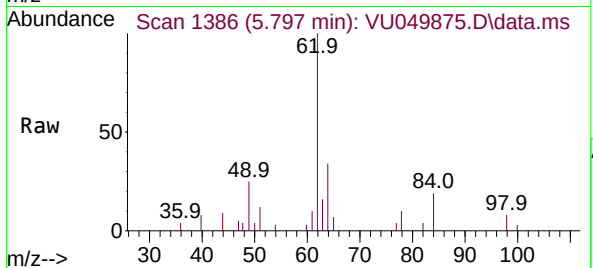




#27
1,2-Dichloroethane
Concen: 0.638 ug/L
RT: 5.797 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049875.D
Acq: 25 Jul 2022 18:30

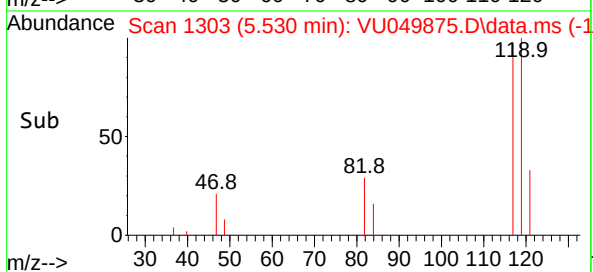
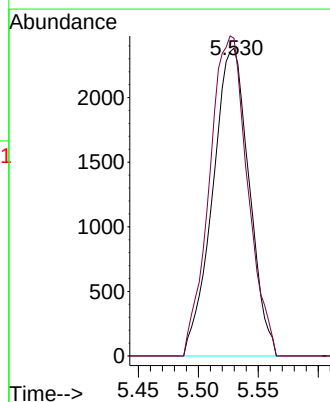
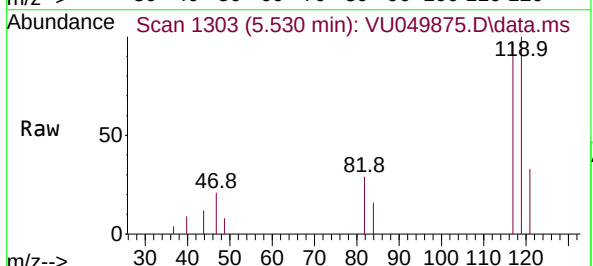
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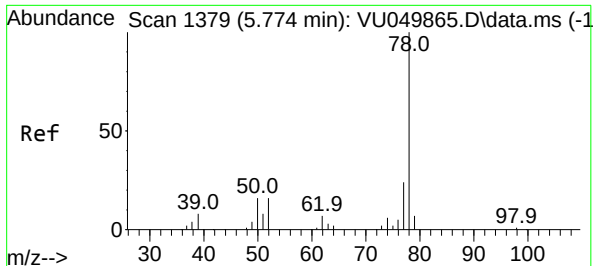
Tgt Ion: 62 Resp: 6656
Ion Ratio Lower Upper
62 100
98 7.7 5.9 8.9



#31
Carbon tetrachloride
Concen: 0.533 ug/L
RT: 5.530 min Scan# 1303
Delta R.T. 0.006 min
Lab File: VU049875.D
Acq: 25 Jul 2022 18:30

Tgt Ion: 117 Resp: 5035
Ion Ratio Lower Upper
117 100
119 108.6 75.2 112.8

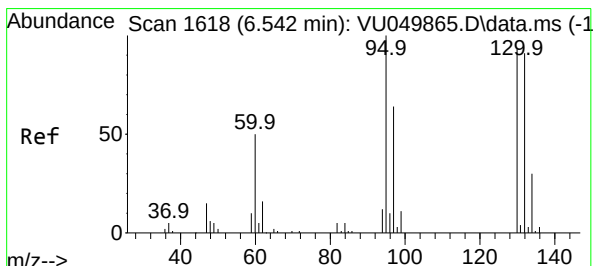
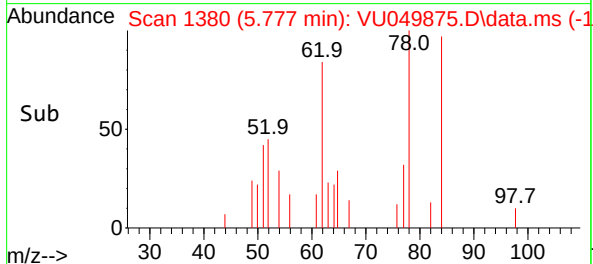
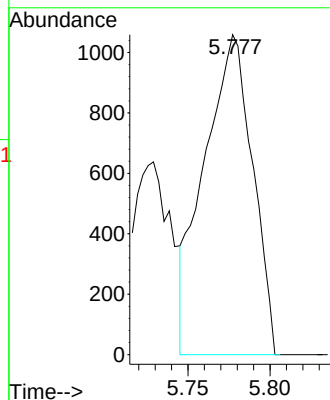
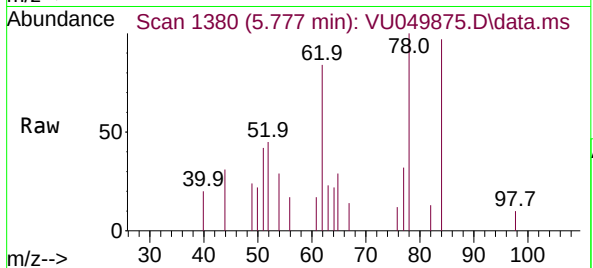




#33
Benzene
Concen: 0.072 ug/L
RT: 5.777 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049875.D
Acq: 25 Jul 2022 18:30

Instrument :
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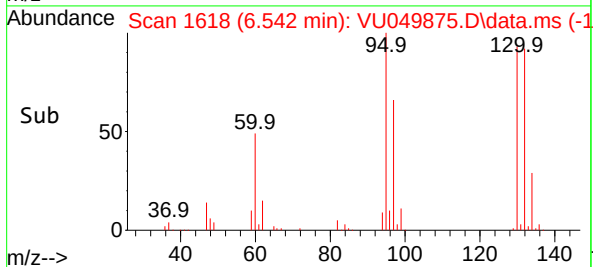
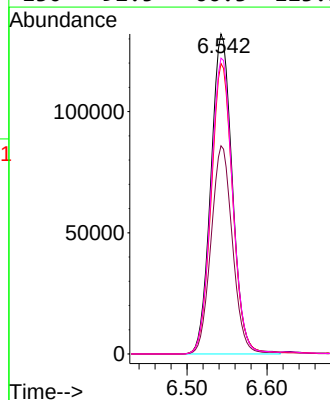
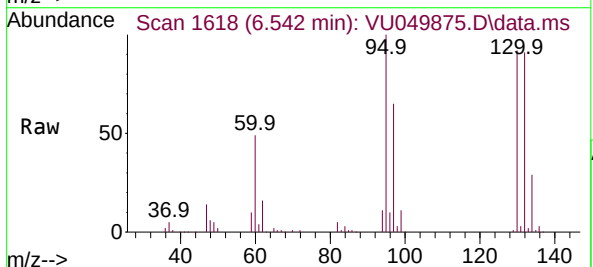
Tgt Ion: 78 Resp: 2169

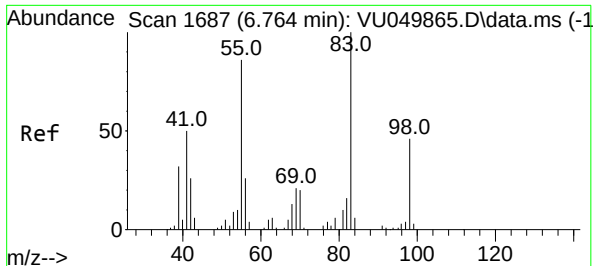


#34
Trichloroethene
Concen: 33.777 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU049875.D
Acq: 25 Jul 2022 18:30

Tgt Ion: 95 Resp: 246114

Ion	Ratio	Lower	Upper
95	100		
97	65.0	46.8	86.8
132	90.8	61.8	114.8
130	92.5	66.3	123.1





#35

Methylcyclohexane

Concen: 1.296 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU049875.D

Acq: 25 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

GBJ18

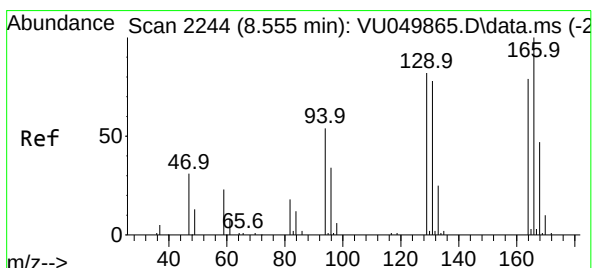
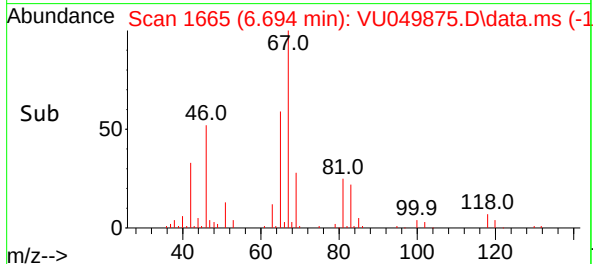
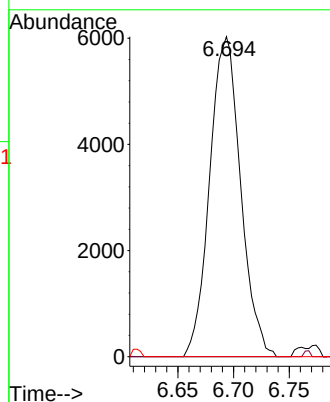
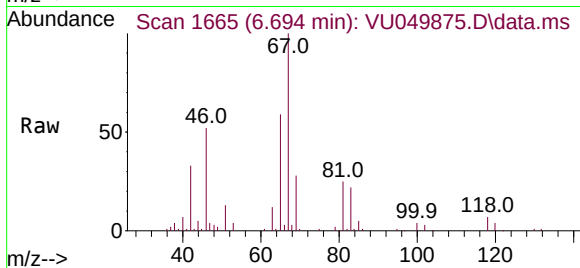
Tgt Ion: 83 Resp: 11651

Ion Ratio Lower Upper

83 100

55 0.4 69.0 103.4#

98 0.0 36.4 54.6#



#47

Tetrachloroethene

Concen: 2.546 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU049875.D

Acq: 25 Jul 2022 18:30

Tgt Ion:164 Resp: 12769

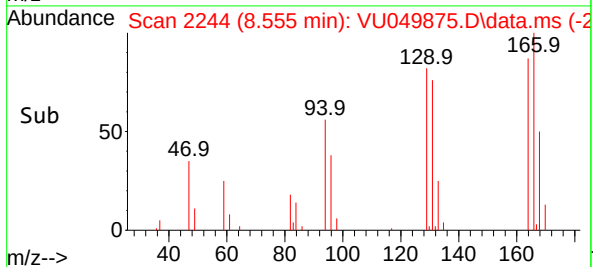
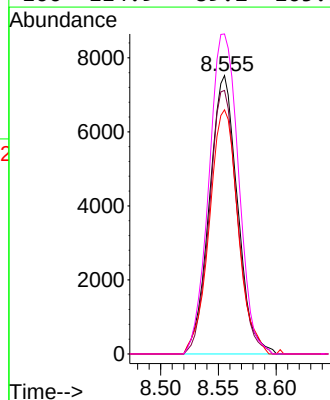
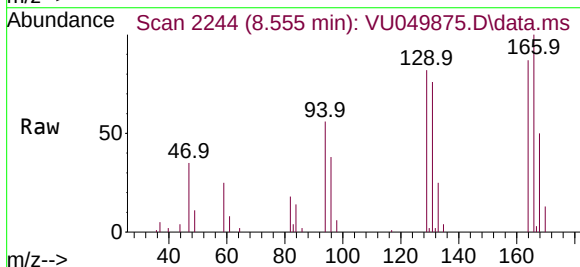
Ion Ratio Lower Upper

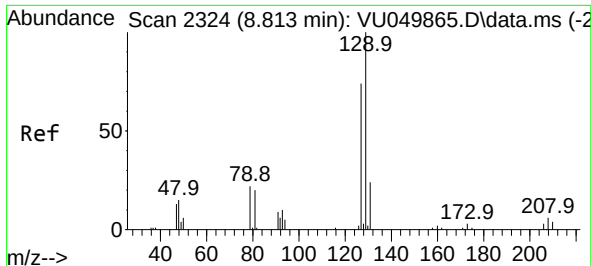
164 100

129 94.6 68.9 127.9

131 87.7 67.5 125.4

166 114.9 89.2 165.8

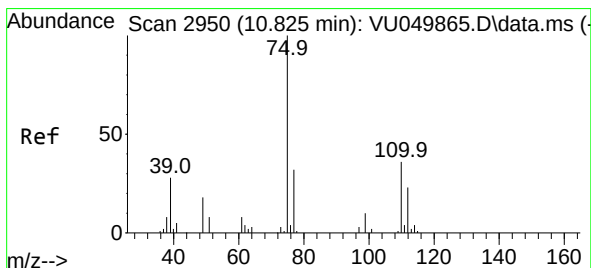
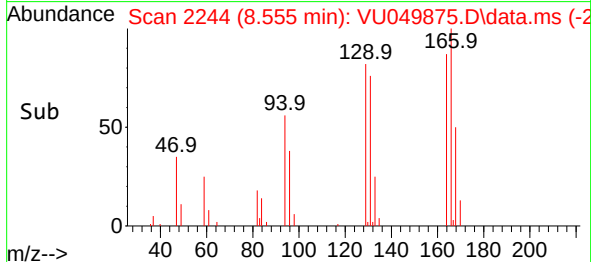
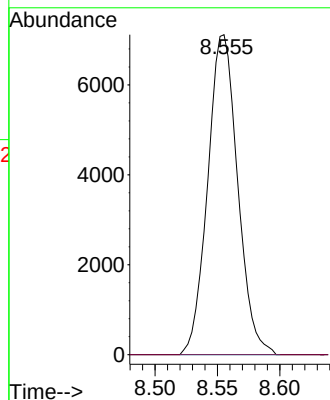
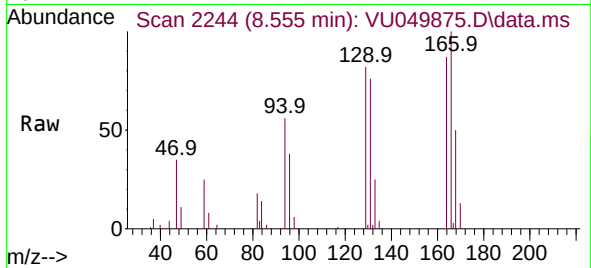




#49
Dibromochloromethane
Concen: 1.745 ug/L
RT: 8.555 min Scan# 211
Delta R.T. -0.257 min
Lab File: VU049875.D
Acq: 25 Jul 2022 18:30

Instrument :
MSVOA_U
ClientSampleId :
GBJ18

Tgt Ion:129 Resp: 11922
Ion Ratio Lower Upper
129 100
127 0.0 50.5 93.7#



#61
1,2,3-Trichloropropane
Concen: 0.980 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU049875.D
Acq: 25 Jul 2022 18:30

Tgt Ion: 75 Resp: 4530
Ion Ratio Lower Upper
75 100
110 2.8 28.0 42.0#
77 33.4 25.4 38.2

