

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072222\
 Data File : VU049861.D
 Acq On : 22 Jul 2022 19:52
 Operator : SY/MD
 Sample : N3802-23
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBHY6

Quant Time: Jul 23 02:36:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 23 01:04:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	85025	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	82436	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	34543	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	35480	5.154	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.000%
7) Chloroethane-d5	1.909	69	30966	5.375	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.600%
11) 1,1-Dichloroethene-d2	2.565	65	15500	5.045	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.800%
20) 2-Butanone-d5	4.629	46	138614	55.966	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.940%
24) Chloroform-d	5.067	84	79616	5.193	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
26) 1,2-Dichloroethane-d4	5.703	65	46728	5.198	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	5.729	84	148306	5.280	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.600%
36) 1,2-Dichloropropane-d6	6.690	67	53423	5.505	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.000%
41) Toluene-d8	7.899	98	117043	4.767	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	8.179	79	16900	4.797	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.000%
46) 2-Hexanone-d5	8.636	63	77554	55.548	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.100%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	43097	5.288	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	39282	5.509	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	8216	0.915	ug/L	99
3) Chloromethane	1.517	50	1432	0.130	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	16983	3.059	ug/L	99
12) 1,1-Dichloroethene	2.581	96	2725	0.485	ug/L #	1
18) trans-1,2-Dichloroethene	3.353	96	752	0.116	ug/L	95
19) 1,1-Dichloroethane	3.867	63	2753	0.196	ug/L	95
22) cis-1,2-Dichloroethene	4.668	96	142049	18.885	ug/L	97
34) Trichloroethene	6.542	95	483961	66.727	ug/L	98
35) Methylcyclohexane	6.690	83	12293	1.374	ug/L #	15
37) 1,2-Dichloropropane	6.690	63	6009	0.705	ug/L #	89
38) Bromodichloromethane	7.105	83	522	0.049	ug/L #	62
47) Tetrachloroethene	8.552	164	5096	1.021	ug/L	88
49) Dibromochloromethane	8.809	129	664	0.098	ug/L	97
59) Bromoform	10.288	173	323	0.107	ug/L #	74
61) 1,2,3-Trichloropropane	11.812	75	4616	1.003	ug/L #	68
67) 1,2-Dichlorobenzene	12.214	146	908	0.081	ug/L #	84

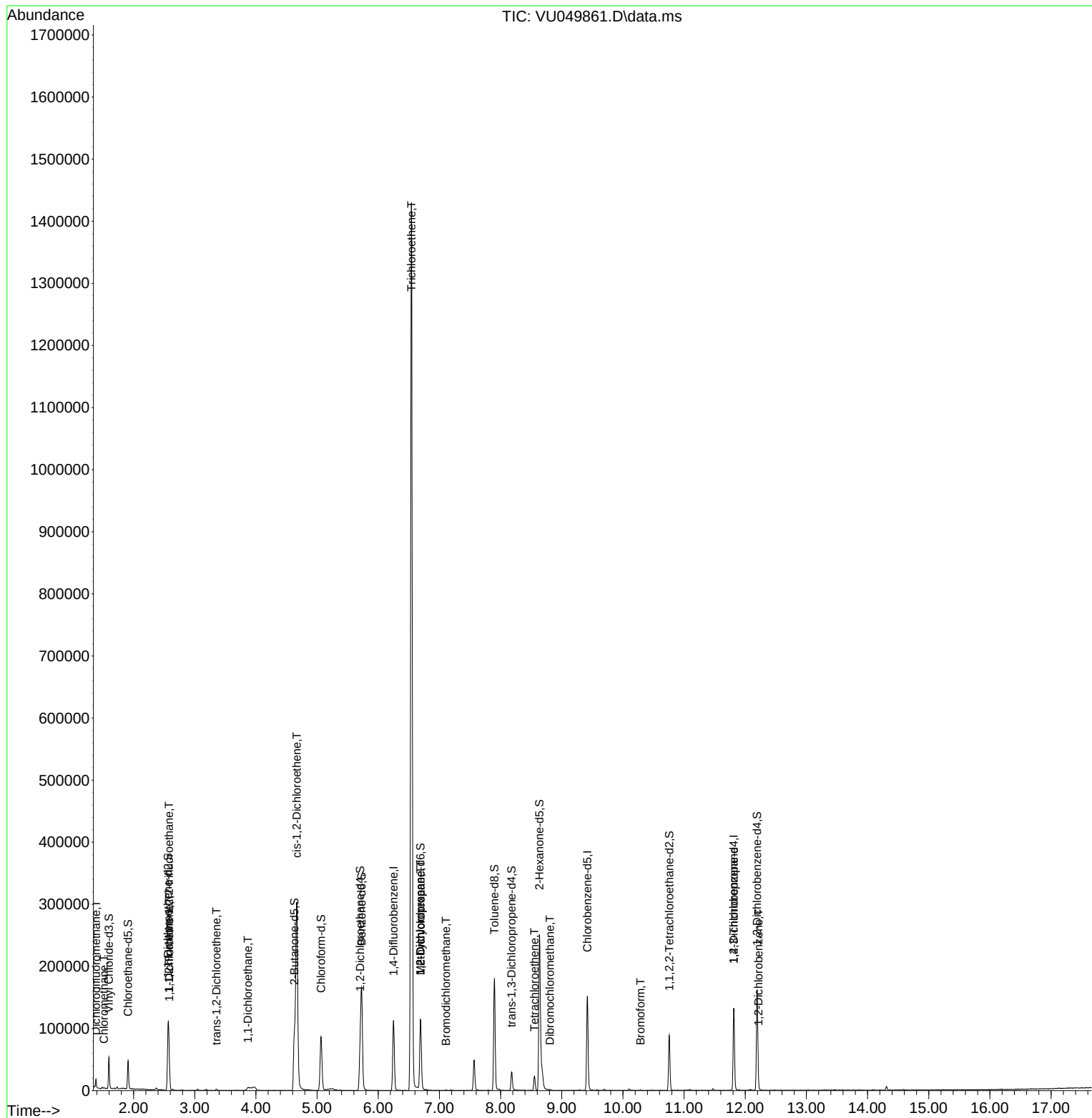
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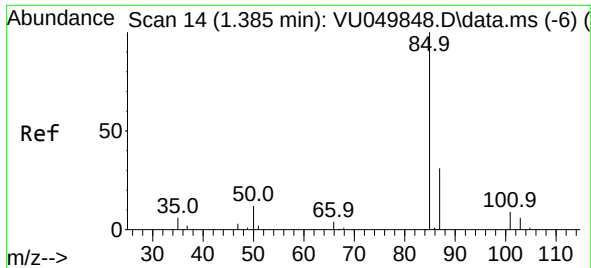
Instrument :
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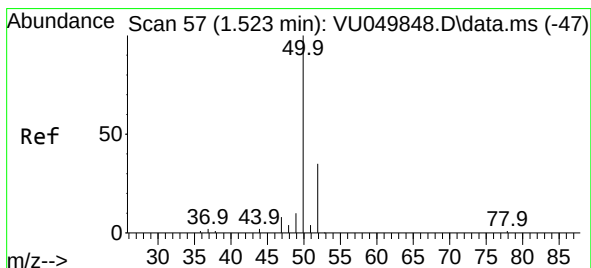
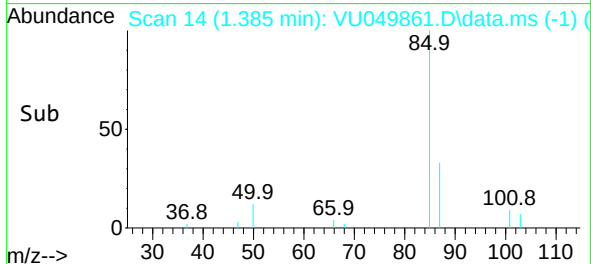
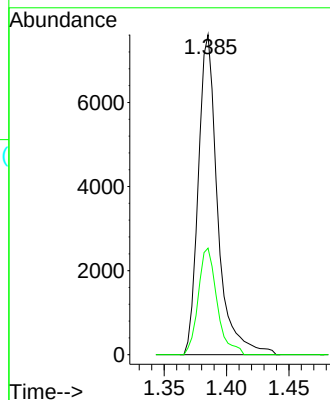
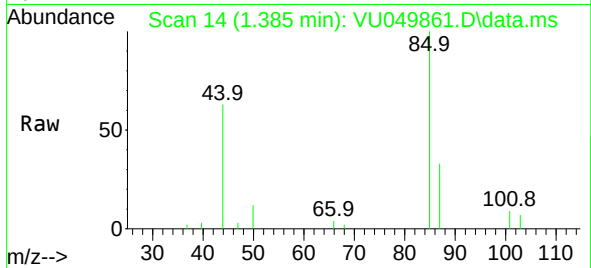




#2
Dichlorodifluoromethane
Concen: 0.915 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU049861.D
Acq: 22 Jul 2022 19:52

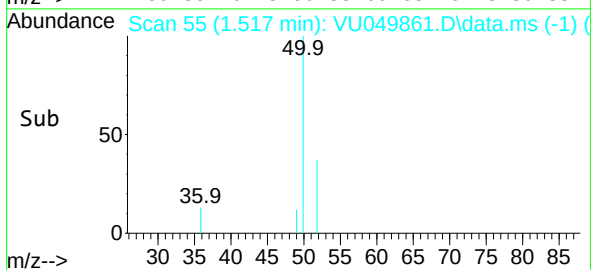
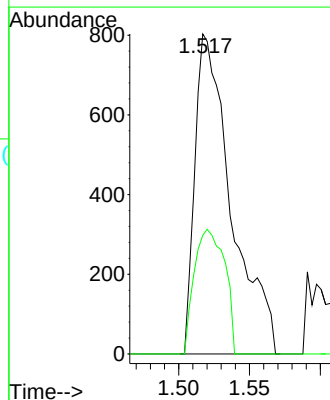
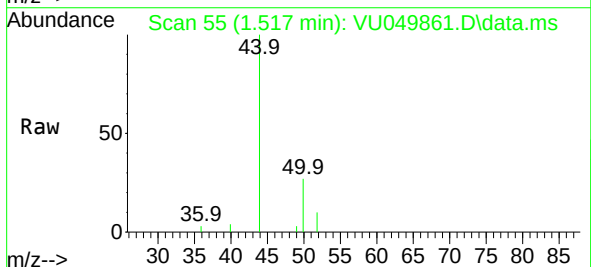
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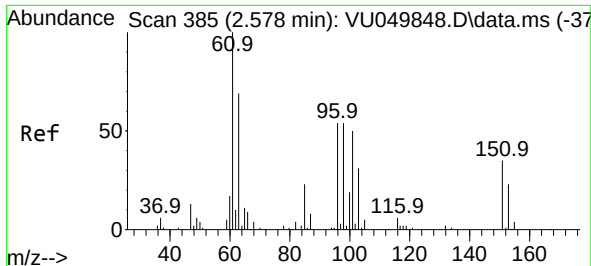
Tgt Ion: 85 Resp: 8216
Ion Ratio Lower Upper
85 100
87 32.4 25.4 38.2



#3
Chloromethane
Concen: 0.130 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.007 min
Lab File: VU049861.D
Acq: 22 Jul 2022 19:52

Tgt Ion: 50 Resp: 1432
Ion Ratio Lower Upper
50 100
52 37.1 22.5 41.7

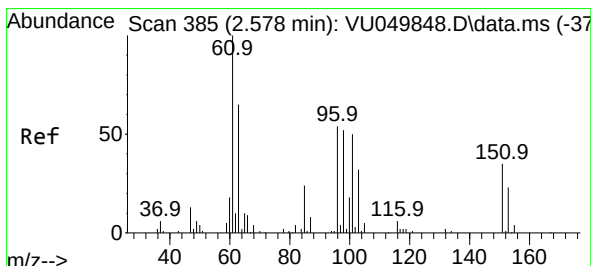
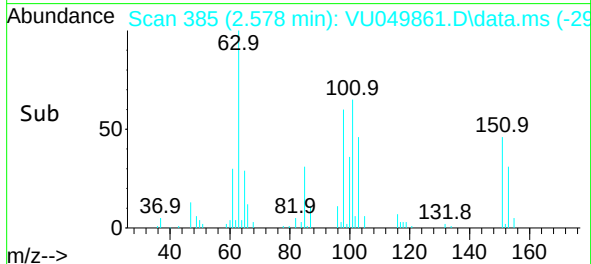
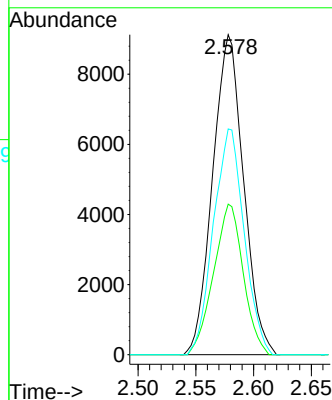
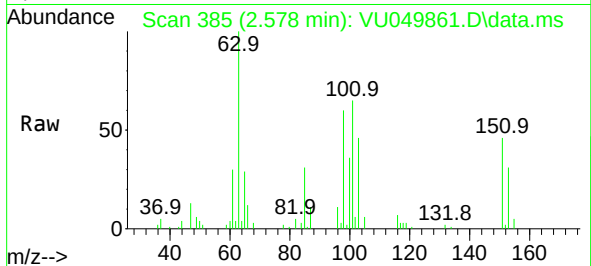




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.059 ug/L
 RT: 2.578 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU049861.D
 Acq: 22 Jul 2022 19:52

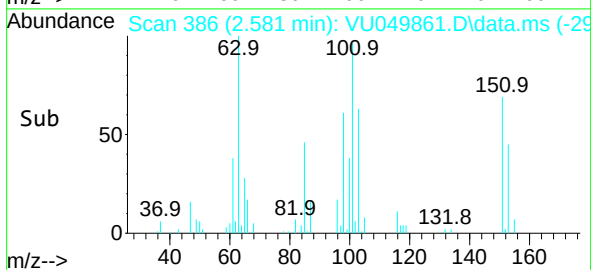
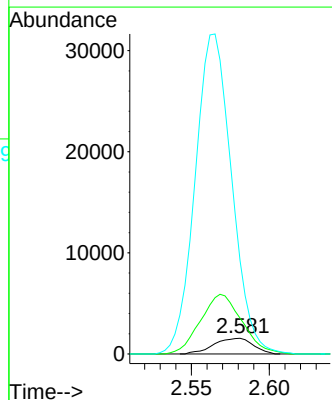
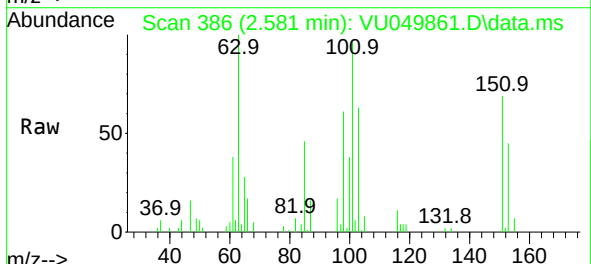
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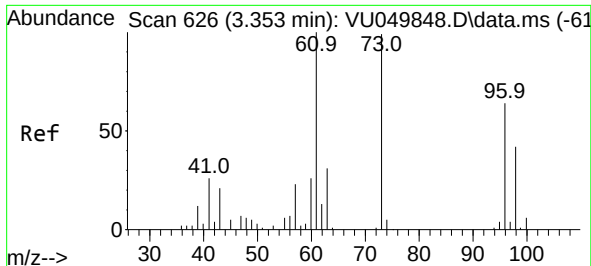
Tgt Ion:101 Resp: 16983
 Ion Ratio Lower Upper
 101 100
 85 45.1 37.2 55.8
 151 70.1 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 0.485 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU049861.D
 Acq: 22 Jul 2022 19:52

Tgt Ion: 96 Resp: 2725
 Ion Ratio Lower Upper
 96 100
 61 228.0 131.6 244.4
 63 593.2 100.0 185.6#

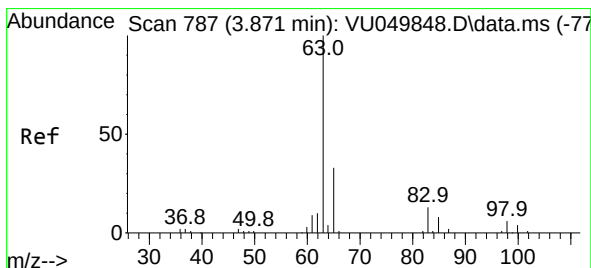
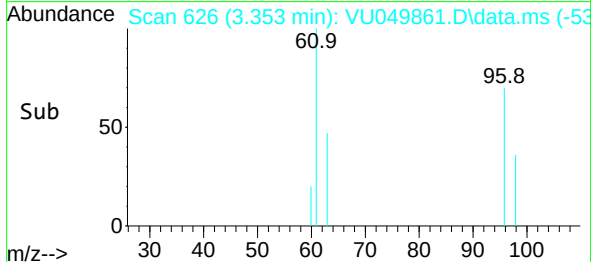
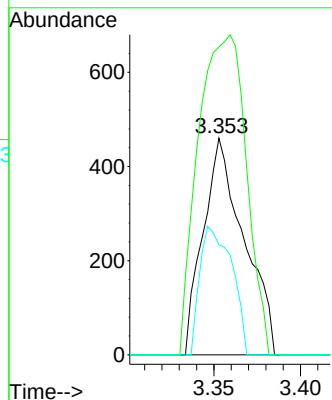
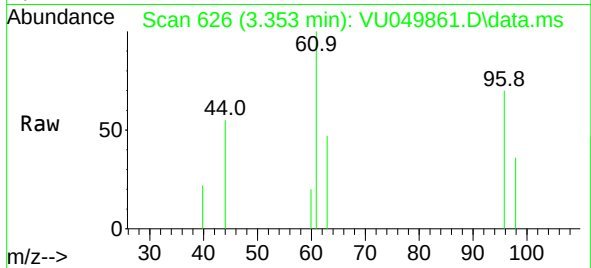




#18
trans-1,2-Dichloroethene
Concen: 0.116 ug/L
RT: 3.353 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU049861.D
Acq: 22 Jul 2022 19:52

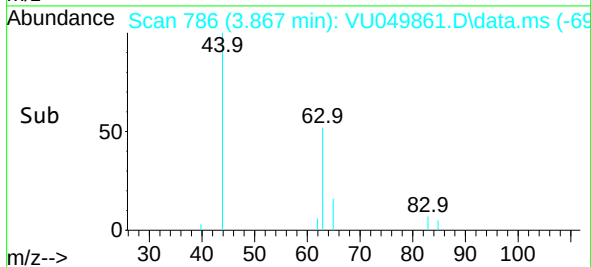
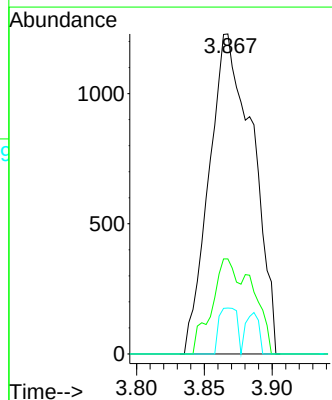
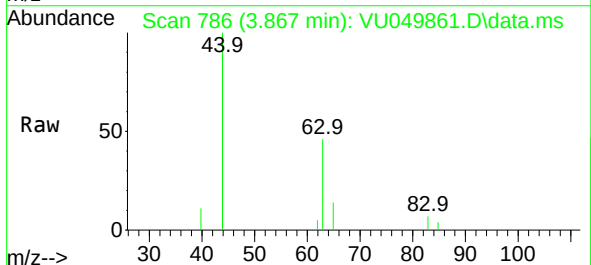
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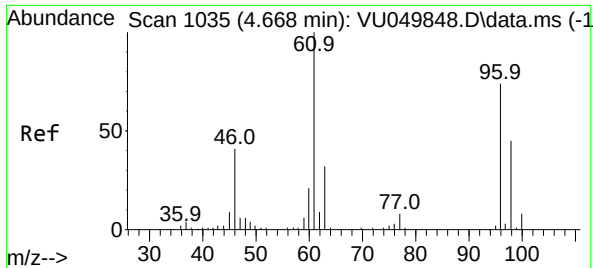
Tgt Ion: 96 Resp: 752
Ion Ratio Lower Upper
96 100
61 142.2 101.5 188.5
98 50.9 42.5 78.9



#19
1,1-Dichloroethane
Concen: 0.196 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.003 min
Lab File: VU049861.D
Acq: 22 Jul 2022 19:52

Tgt Ion: 63 Resp: 2753
Ion Ratio Lower Upper
63 100
65 29.7 22.5 41.9
83 14.3 8.3 15.5

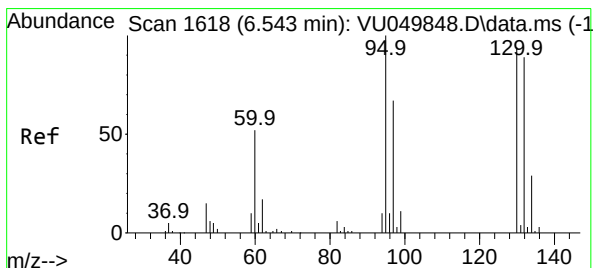
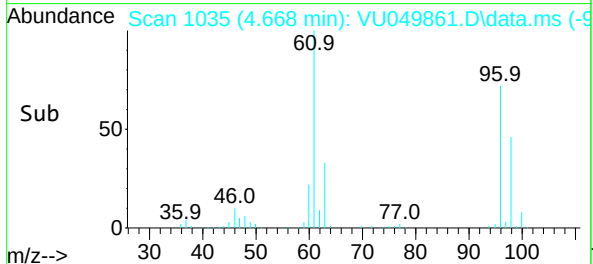
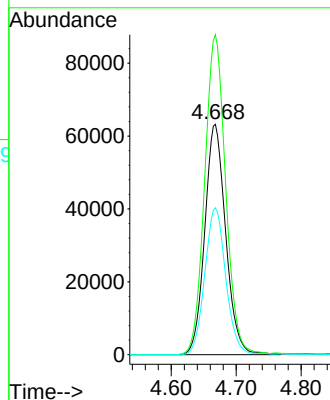
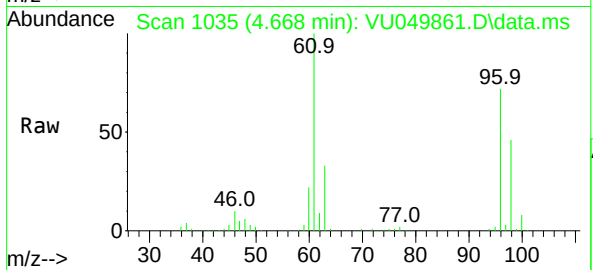




#22
 cis-1,2-Dichloroethene
 Concen: 18.885 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. -0.000 min
 Lab File: VU049861.D
 Acq: 22 Jul 2022 19:52

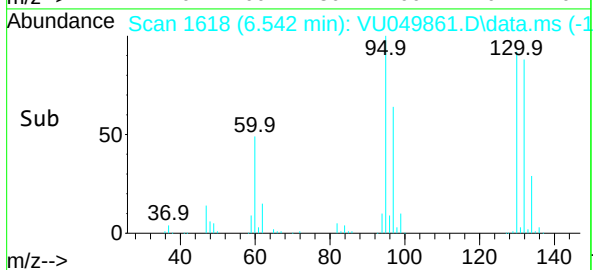
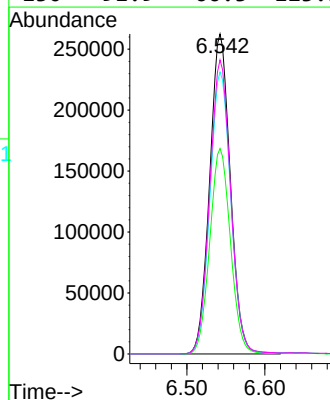
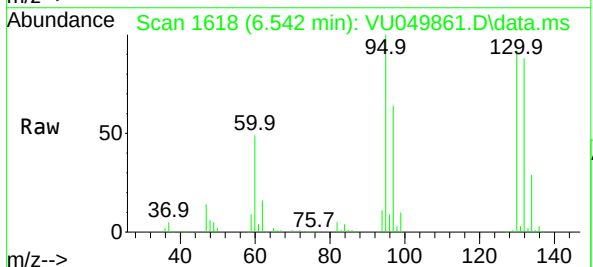
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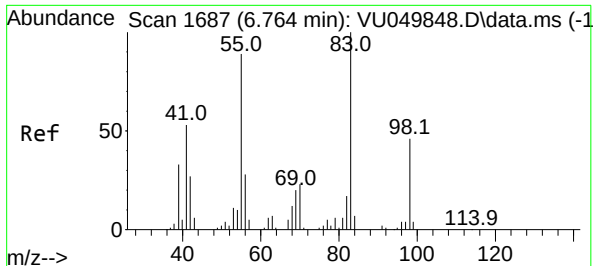
Tgt Ion: 96 Resp: 142049
 Ion Ratio Lower Upper
 96 100
 61 138.9 93.9 174.3
 98 63.7 43.9 81.5



#34
 Trichloroethene
 Concen: 66.727 ug/L
 RT: 6.542 min Scan# 1618
 Delta R.T. -0.000 min
 Lab File: VU049861.D
 Acq: 22 Jul 2022 19:52

Tgt Ion: 95 Resp: 483961
 Ion Ratio Lower Upper
 95 100
 97 64.2 46.8 86.8
 132 88.1 61.8 114.8
 130 91.9 66.3 123.1

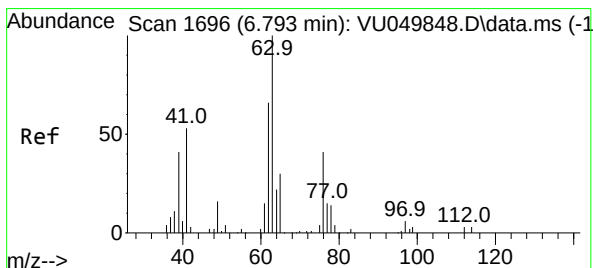
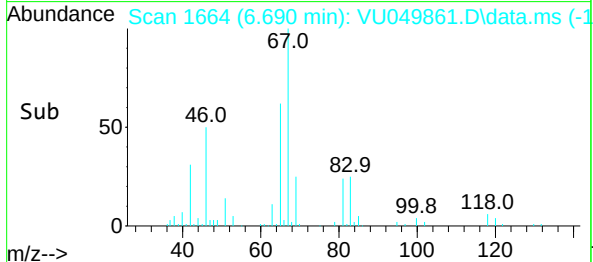
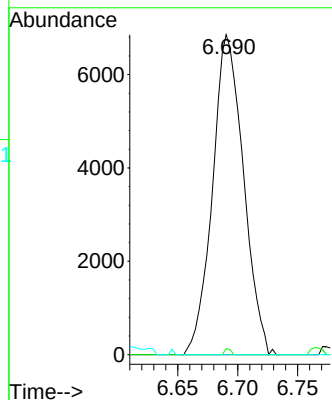
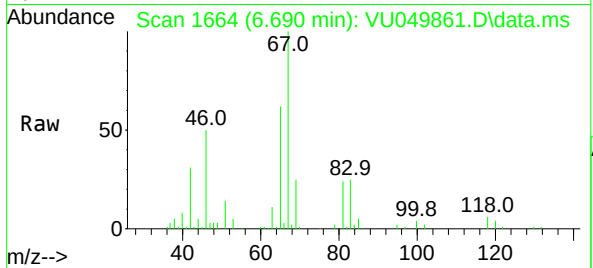




#35
Methylcyclohexane
Concen: 1.374 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.074 min
Lab File: VU049861.D
Acq: 22 Jul 2022 19:52

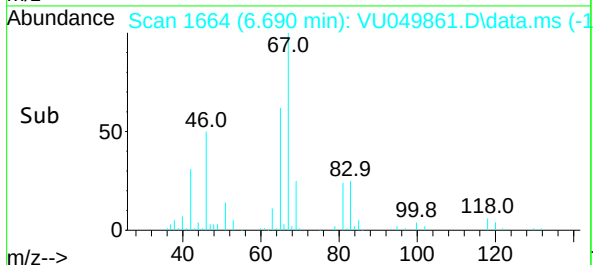
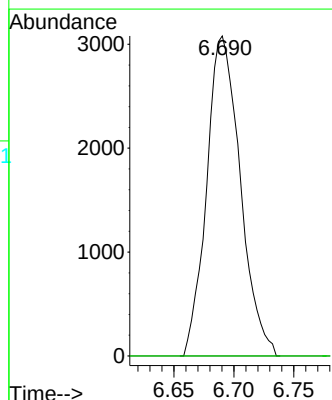
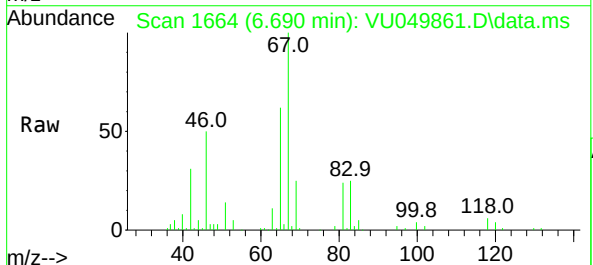
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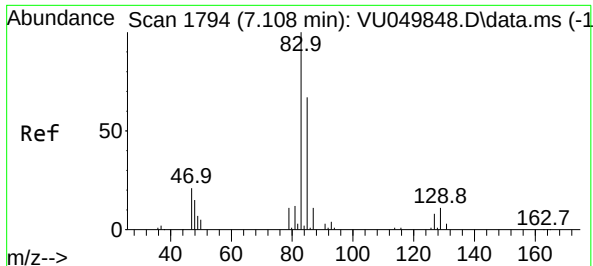
Tgt Ion: 83 Resp: 12293
Ion Ratio Lower Upper
83 100
55 0.4 69.0 103.4#
98 0.0 36.4 54.6#



#37
1,2-Dichloropropane
Concen: 0.705 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU049861.D
Acq: 22 Jul 2022 19:52

Tgt Ion: 63 Resp: 6009
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2#





#38

Bromodichloromethane

Concen: 0.049 ug/L

RT: 7.105 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU049861.D

Acq: 22 Jul 2022 19:52

Instrument :

MSVOA_U

ClientSampleId :

GBHY6

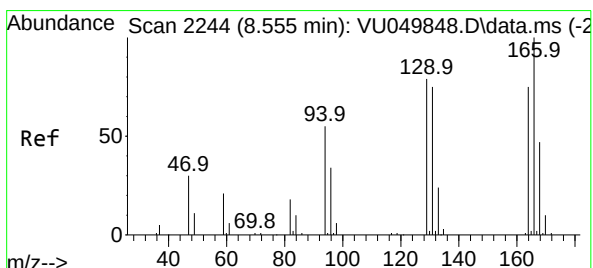
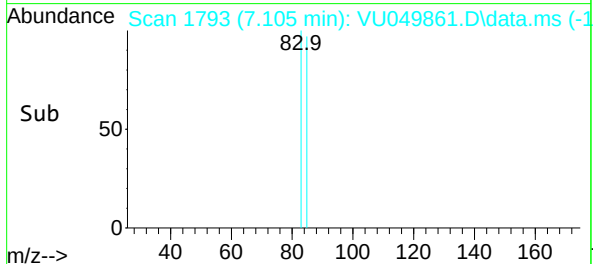
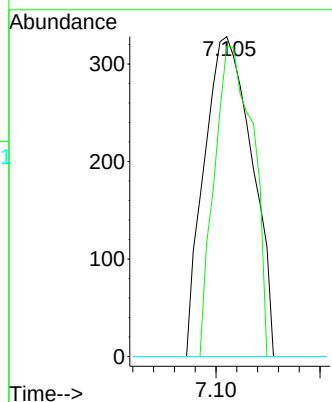
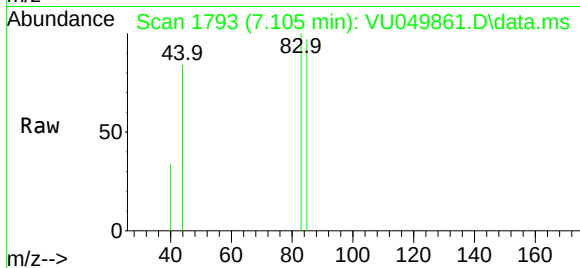
Tgt Ion: 83 Resp: 522

Ion Ratio Lower Upper

83 100

85 97.0 45.9 85.3#

127 0.0 7.0 10.6#



#47

Tetrachloroethene

Concen: 1.021 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.003 min

Lab File: VU049861.D

Acq: 22 Jul 2022 19:52

Tgt Ion: 164 Resp: 5096

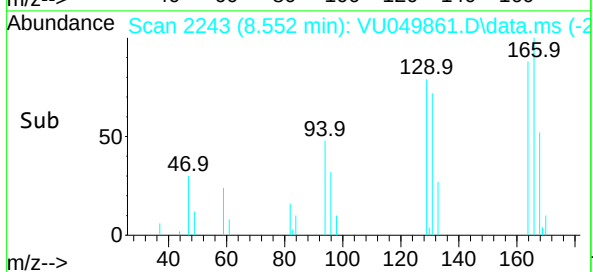
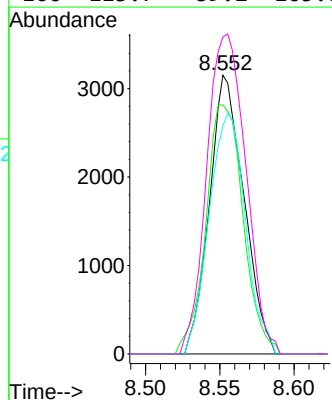
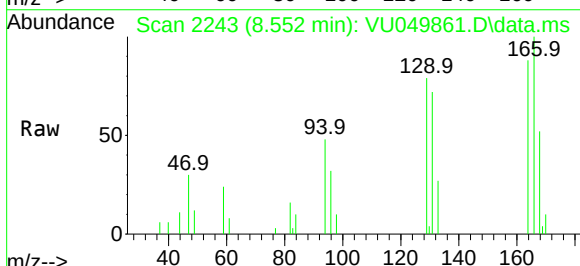
Ion Ratio Lower Upper

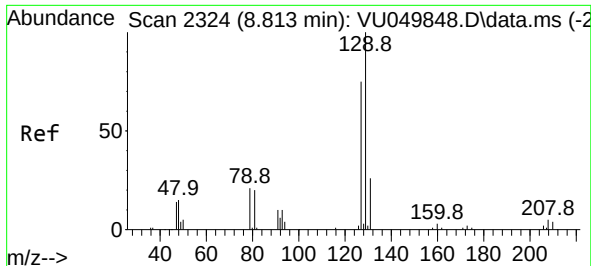
164 100

129 89.4 68.9 127.9

131 81.8 67.5 125.4

166 113.7 89.2 165.8





#49

Dibromochloromethane

Concen: 0.098 ug/L

RT: 8.809 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049861.D

Acq: 22 Jul 2022 19:52

Instrument :

MSVOA_U

ClientSampleId :

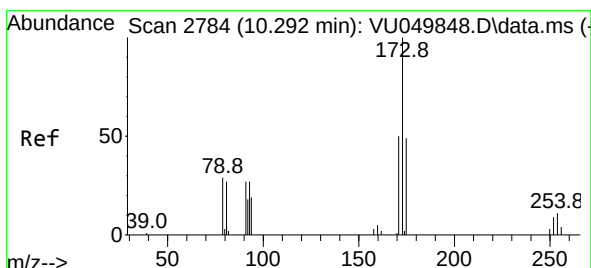
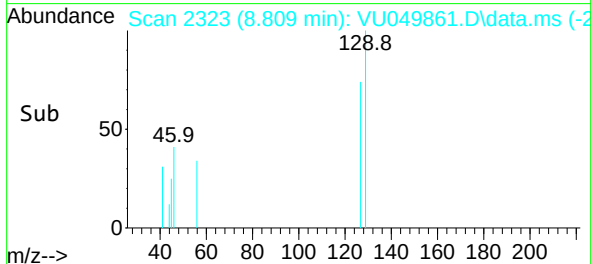
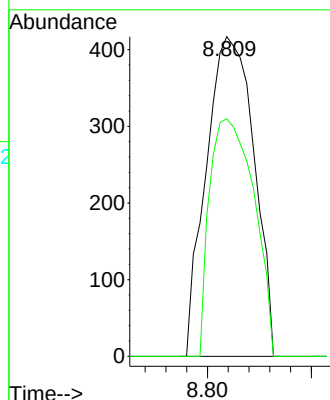
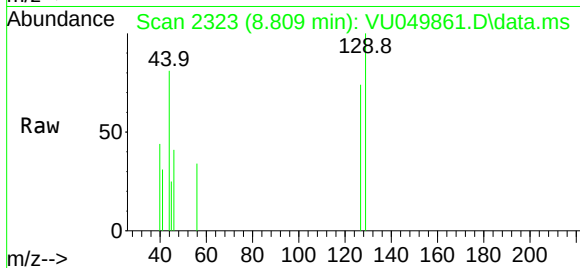
GBHY6

Tgt Ion:129 Resp: 664

Ion Ratio Lower Upper

129 100

127 74.3 50.5 93.7



#59

Bromoform

Concen: 0.107 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.003 min

Lab File: VU049861.D

Acq: 22 Jul 2022 19:52

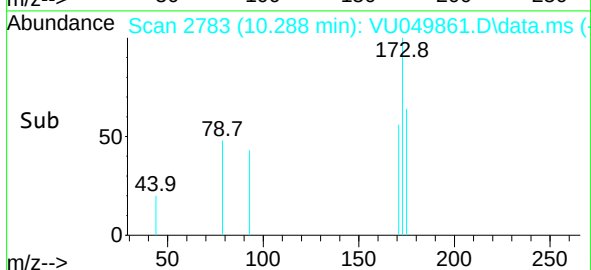
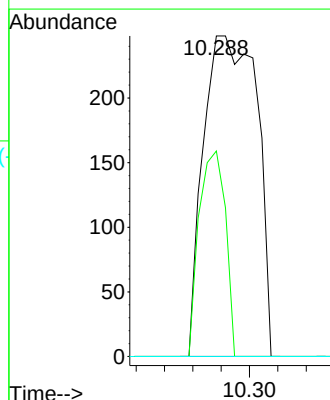
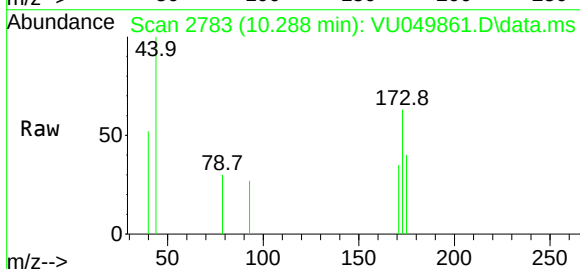
Tgt Ion:173 Resp: 323

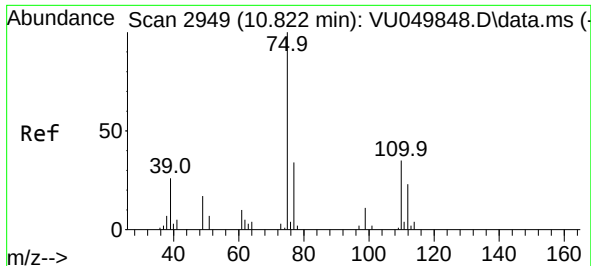
Ion Ratio Lower Upper

173 100

175 31.6 39.5 59.3#

254 0.0 7.5 11.3#

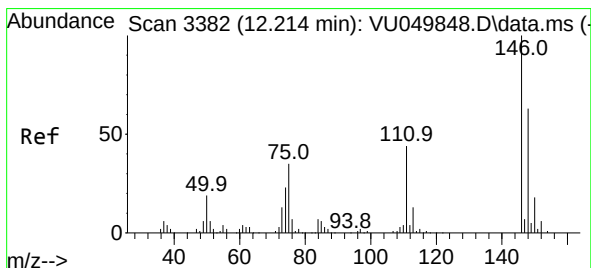
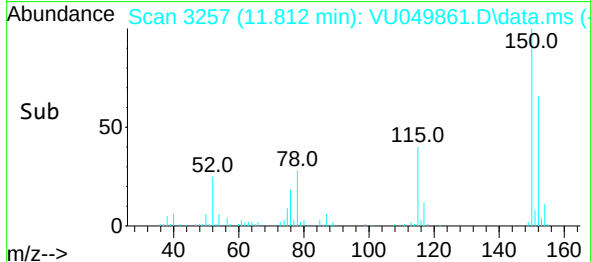
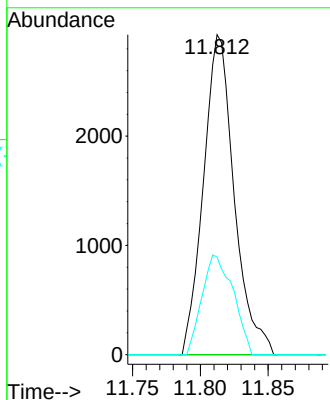
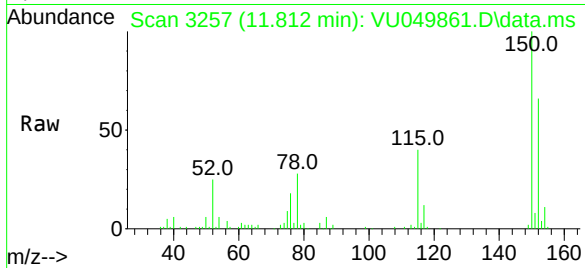




#61
1,2,3-Trichloropropane
Concen: 1.003 ug/L
RT: 11.812 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU049861.D
Acq: 22 Jul 2022 19:52

Instrument :
MSVOA_U
ClientSampleId :
GBHY6

Tgt Ion: 75 Resp: 4616
Ion Ratio Lower Upper
75 100
110 0.0 28.0 42.0#
77 31.5 25.4 38.2



#67
1,2-Dichlorobenzene
Concen: 0.081 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. -0.000 min
Lab File: VU049861.D
Acq: 22 Jul 2022 19:52

Tgt Ion:146 Resp: 908
Ion Ratio Lower Upper
146 100
111 60.5 35.8 53.8#
148 55.0 50.3 75.5

