

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032822\
 Data File : VU047730.D
 Acq On : 28 Mar 2022 16:15
 Operator : SY/MD
 Sample : N2081-18DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y5DL

Quant Time: Mar 29 01:45:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 29 01:43:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	313991	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	322207	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	177788	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	85845	37.702	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	75.400%		
7) Chloroethane-d5	1.919	69	78400	43.668	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.340%		
11) 1,1-Dichloroethene-d2	2.572	63	128422	30.827	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	61.660%		
21) 2-Butanone-d5	4.642	46	228645	116.992	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	116.990%		
24) Chloroform-d	5.067	84	192078	46.104	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.200%		
26) 1,2-Dichloroethane-d4	5.703	65	127165	49.767	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.540%		
32) Benzene-d6	5.729	84	381950	47.110	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.220%		
36) 1,2-Dichloropropane-d6	6.694	67	123722	49.689	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.380%		
41) Toluene-d8	7.899	98	345189	43.699	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.400%		
43) trans-1,3-Dichloroprop...	8.179	79	56896	45.104	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.200%		
47) 2-Hexanone-d5	8.636	63	164066	112.559	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	112.560%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	212628	49.759	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.520%		
66) 1,2-Dichlorobenzene-d4	12.192	152	157855	49.906	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.820%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	4056	1.429	ug/L #	53
8) Chloroethane	1.942	64	6457	3.623	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.569	101	1210	0.523	ug/L #	18
12) 1,1-Dichloroethene	2.588	96	3711	1.723	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	91559	22.852	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	185271	72.744	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	91023	24.914	ug/L	98
31) Carbon tetrachloride	5.321	117	11974	3.629	ug/L	96
37) 1,2-Dichloropropane	6.691	63	13257	5.592	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	3612	0.982	ug/L #	58
44) trans-1,3-Dichloropropene	8.179	75	2528	0.688	ug/L #	72
46) Tetrachloroethene	8.552	164	2625	1.195	ug/L	83
49) Dibromochloromethane	8.555	129	2767	0.950	ug/L #	11
54) o-Xylene	10.102	106	4054	0.978	ug/L	95
60) 1,2,3-Trichloropropane	11.813	75	18566	5.539	ug/L #	66
62) 1,3,5-Trimethylbenzene	11.089	105	6838	1.312	ug/L	96

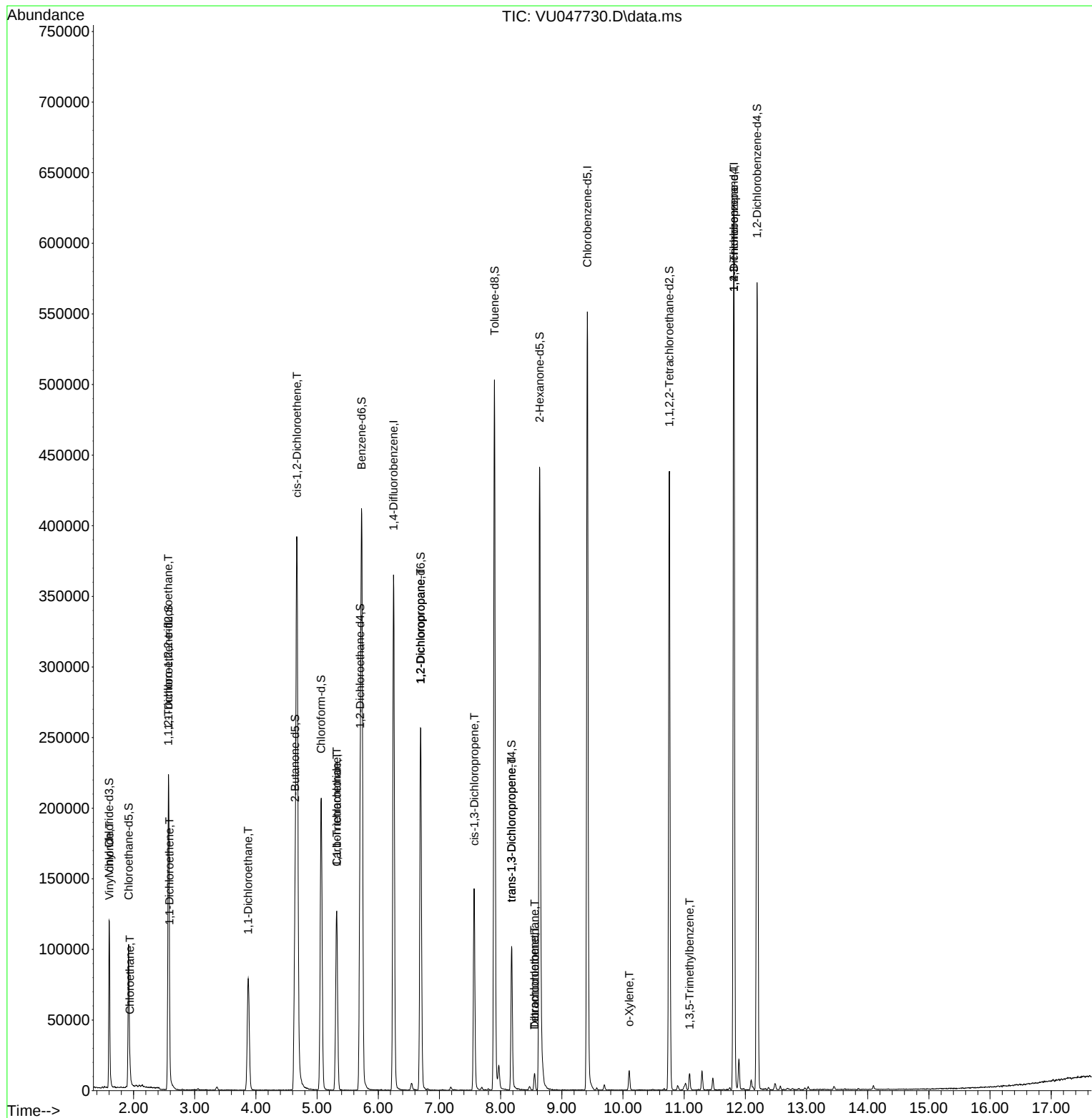
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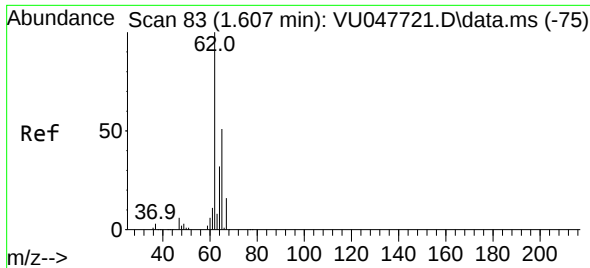
Instrument :
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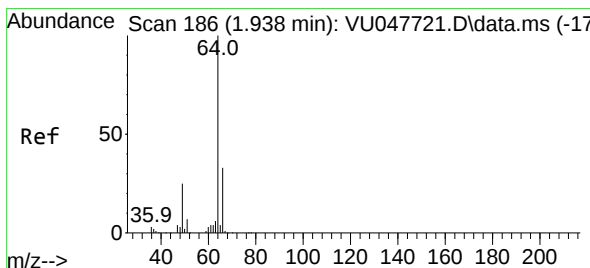
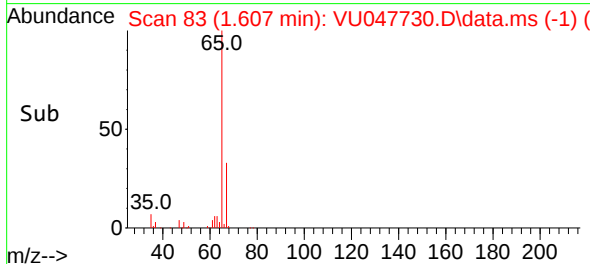
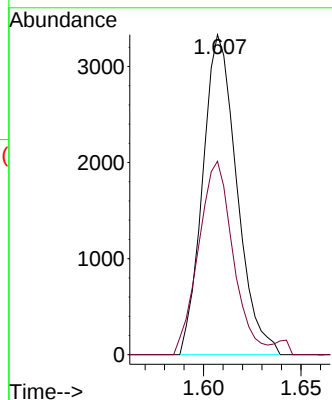
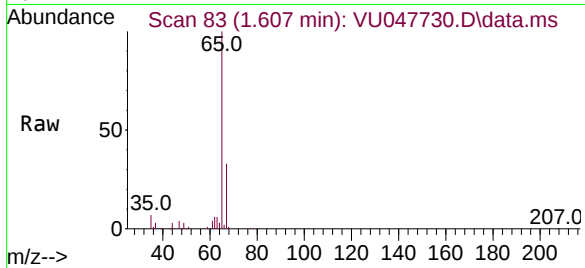




#5
 Vinyl chloride
 Concen: 1.429 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047730.D
 Acq: 28 Mar 2022 16:15

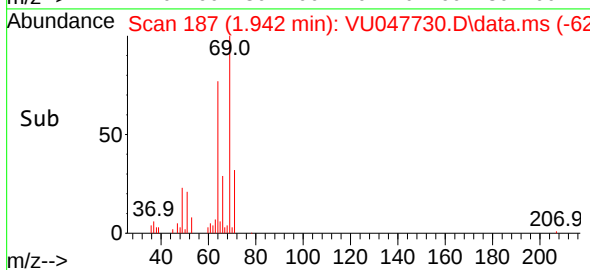
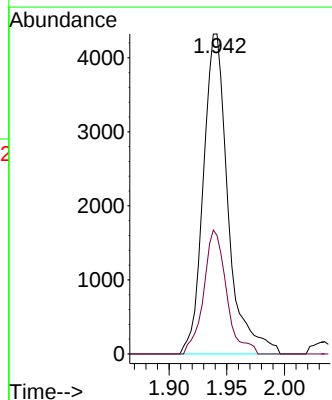
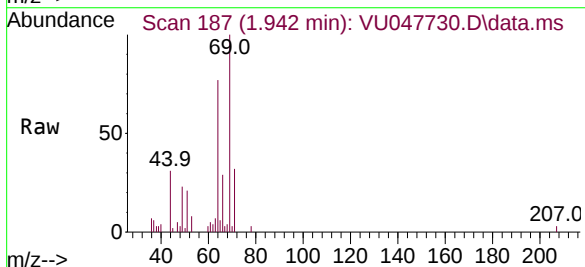
Instrument :
 MSVOA_U
 ClientSampleId :
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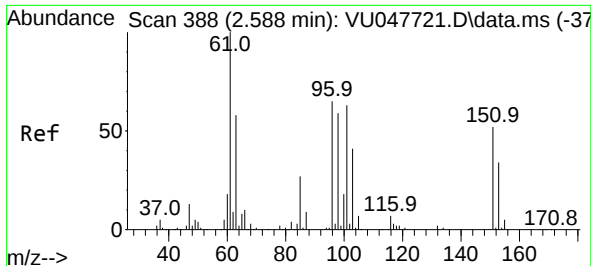
Tgt Ion: 62 Resp: 4056
 Ion Ratio Lower Upper
 62 100
 64 60.5 23.7 43.9#



#8
 Chloroethane
 Concen: 3.623 ug/L
 RT: 1.942 min Scan# 187
 Delta R.T. 0.003 min
 Lab File: VU047730.D
 Acq: 28 Mar 2022 16:15

Tgt Ion: 64 Resp: 6457
 Ion Ratio Lower Upper
 64 100
 66 37.1 23.3 43.3

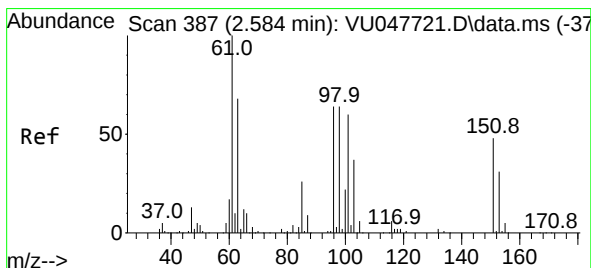
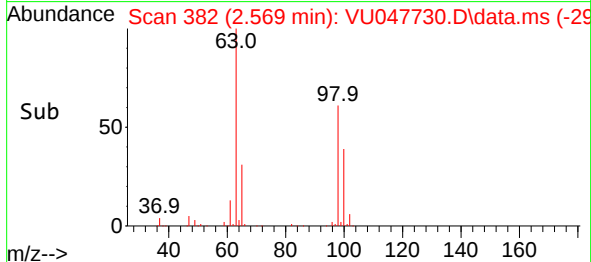
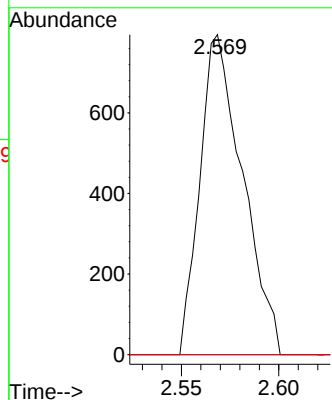
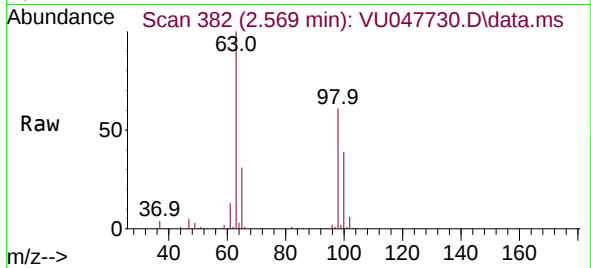




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.523 ug/L
 RT: 2.569 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU047730.D
 Acq: 28 Mar 2022 16:15

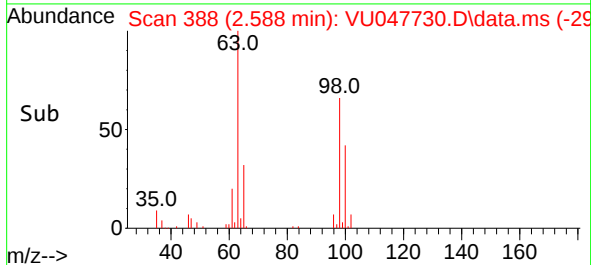
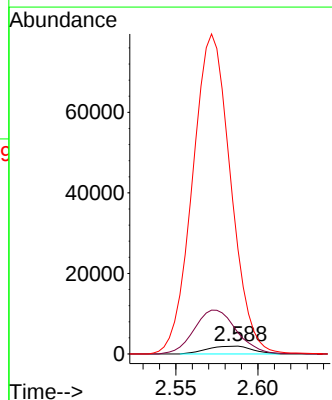
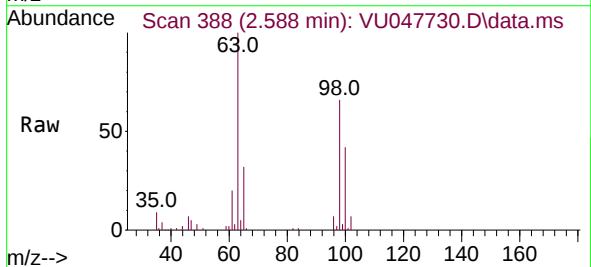
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y5DL

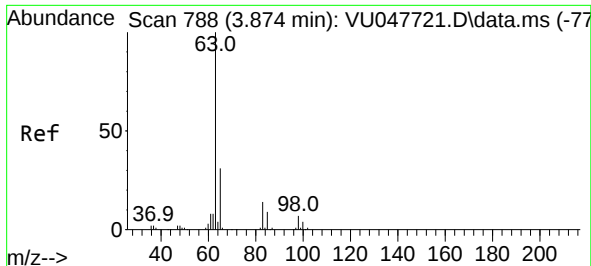
Tgt Ion:101 Resp: 1210
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 1.723 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.003 min
 Lab File: VU047730.D
 Acq: 28 Mar 2022 16:15

Tgt Ion: 96 Resp: 3711
 Ion Ratio Lower Upper
 96 100
 61 272.5 113.1 210.1#
 63 1345.9 94.8 176.0#





#19

1,1-Dichloroethane

Concen: 22.852 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU047730.D

Acq: 28 Mar 2022 16:15

Instrument :

MSVOA_U

ClientSampleId :

EW5Y5DL

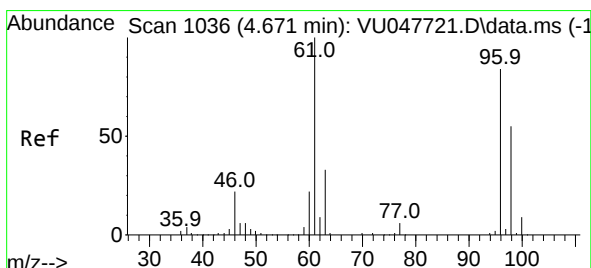
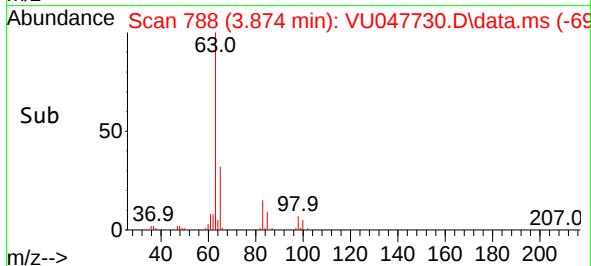
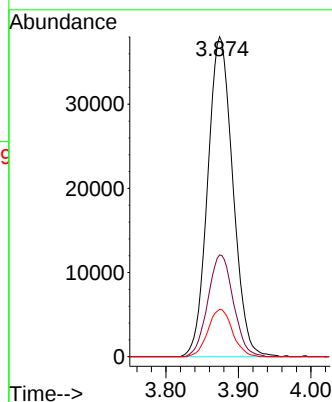
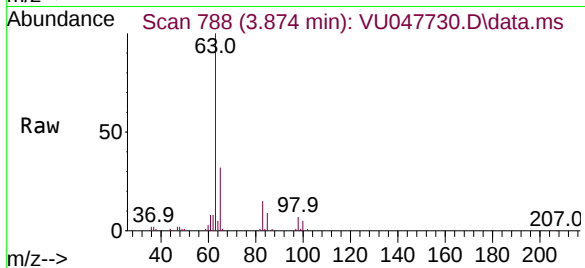
Tgt Ion: 63 Resp: 91559

Ion Ratio Lower Upper

63 100

65 31.8 22.0 41.0

83 14.8 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 72.744 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047730.D

Acq: 28 Mar 2022 16:15

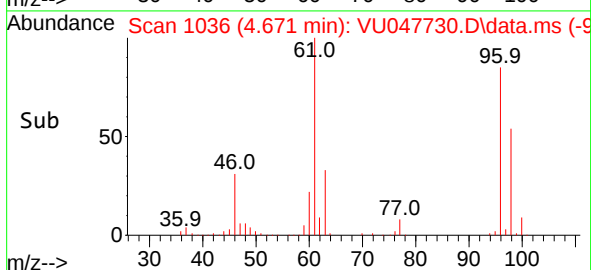
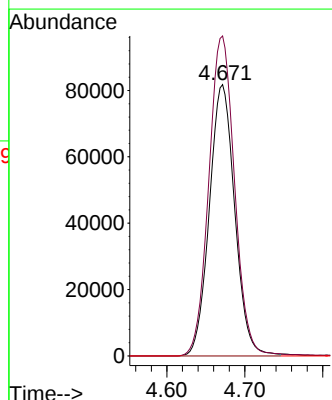
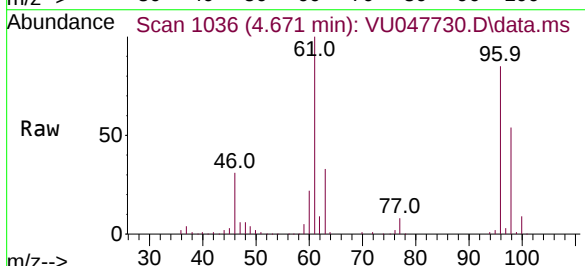
Tgt Ion: 96 Resp: 185271

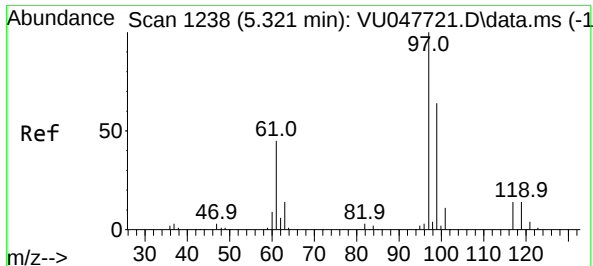
Ion Ratio Lower Upper

96 100

61 117.9 80.7 149.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 24.914 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047730.D

Acq: 28 Mar 2022 16:15

Instrument :

MSVOA_U

ClientSampleId :

EW5Y5DL

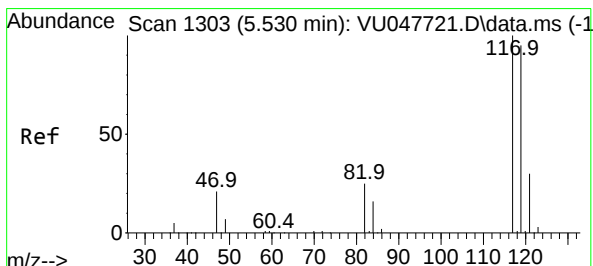
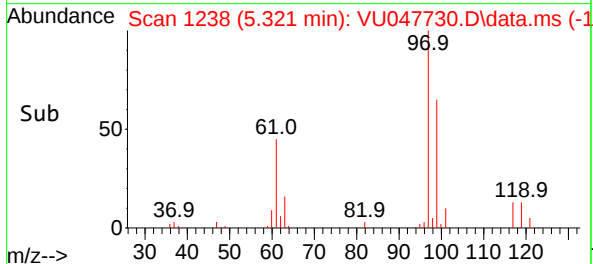
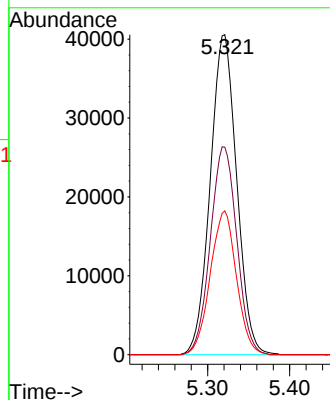
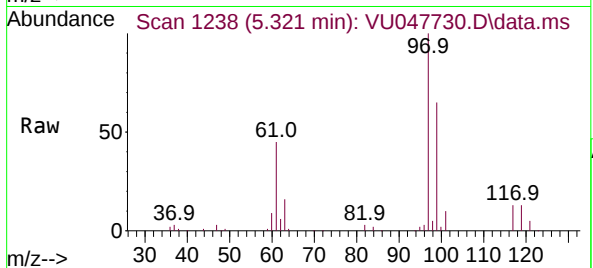
Tgt Ion: 97 Resp: 91023

Ion Ratio Lower Upper

97 100

99 65.1 51.6 77.4

61 44.5 34.2 51.4



#31

Carbon tetrachloride

Concen: 3.629 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU047730.D

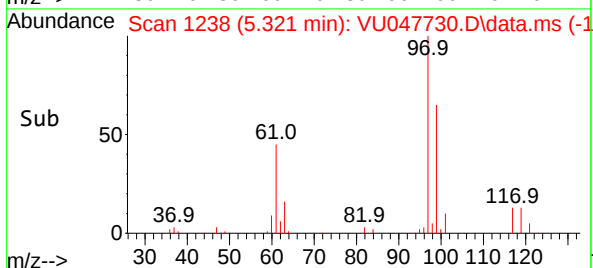
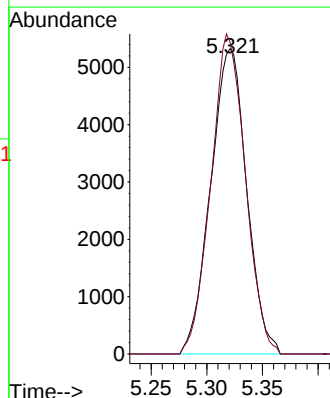
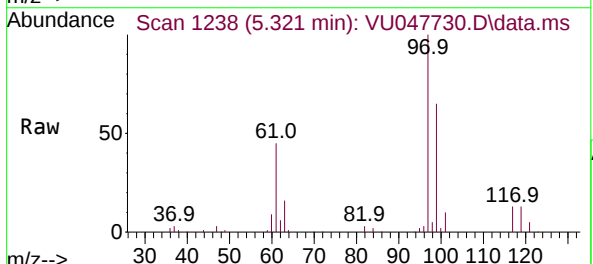
Acq: 28 Mar 2022 16:15

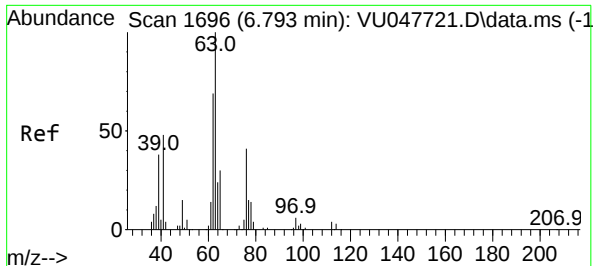
Tgt Ion: 117 Resp: 11974

Ion Ratio Lower Upper

117 100

119 100.2 77.2 115.8

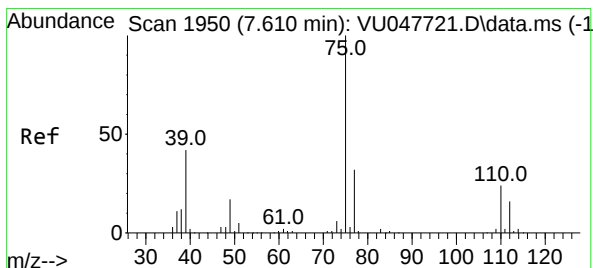
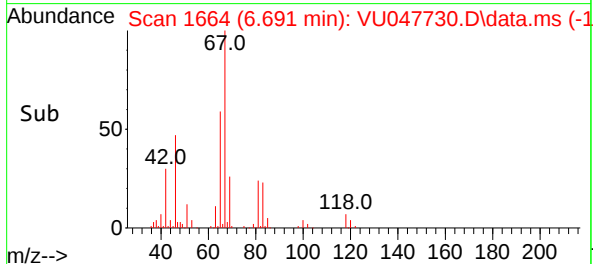
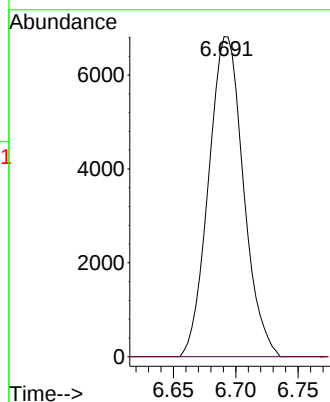
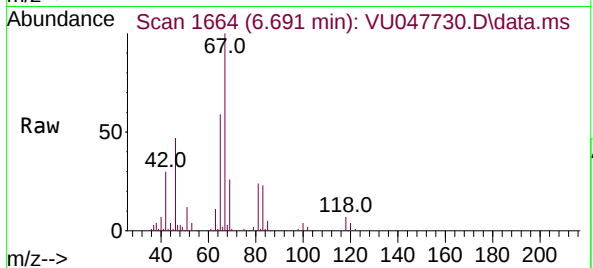




#37
1,2-Dichloropropane
Concen: 5.592 ug/L
RT: 6.691 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU047730.D
Acq: 28 Mar 2022 16:15

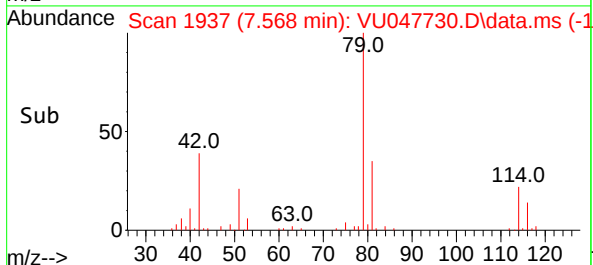
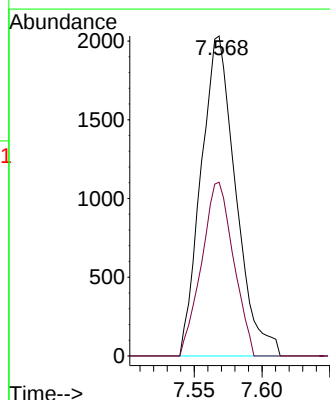
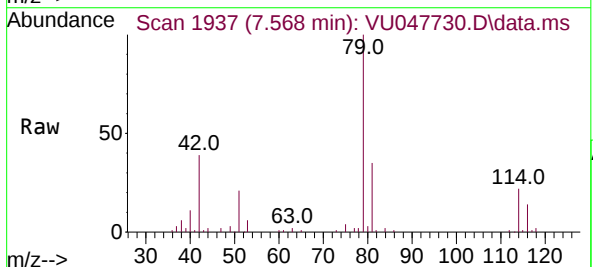
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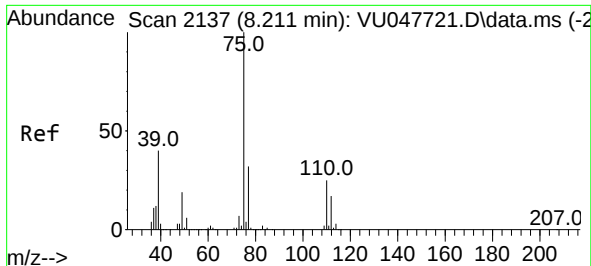
Tgt Ion: 63 Resp: 13257
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



#39
cis-1,3-Dichloropropene
Concen: 0.982 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU047730.D
Acq: 28 Mar 2022 16:15

Tgt Ion: 75 Resp: 3612
Ion Ratio Lower Upper
75 100
77 54.3 21.8 40.6#

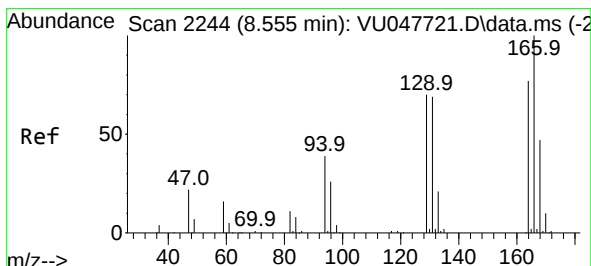
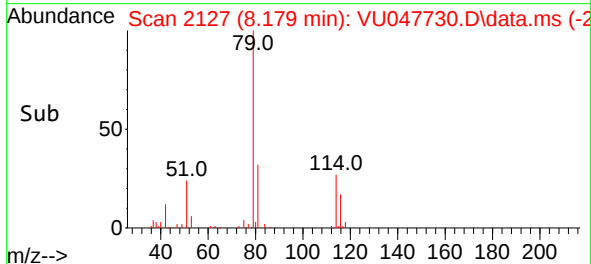
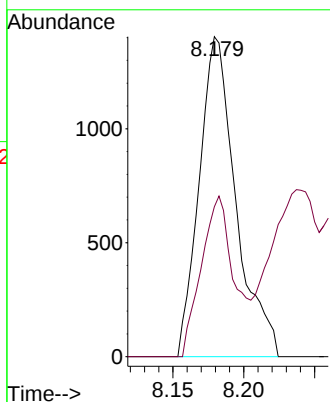
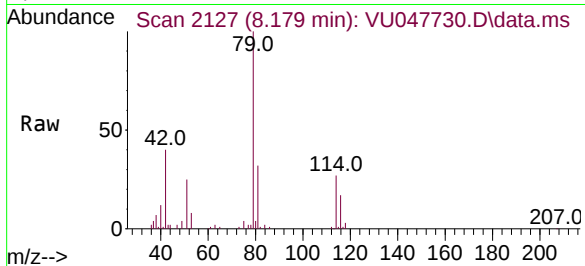




#44
trans-1,3-Dichloropropene
Concen: 0.688 ug/L
RT: 8.179 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU047730.D
Acq: 28 Mar 2022 16:15

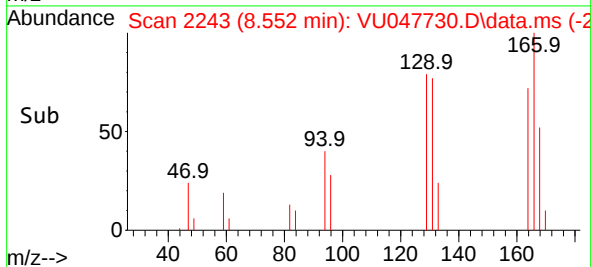
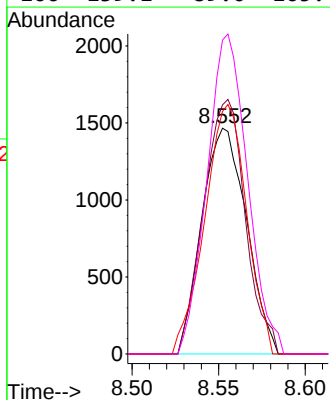
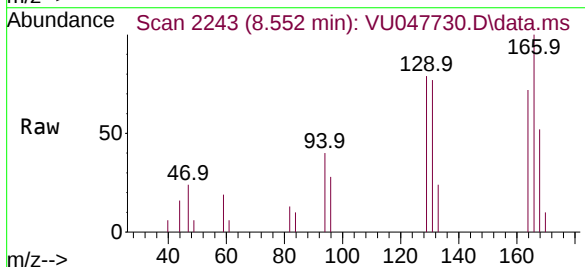
Instrument :
MSVOA_U
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EW5Y5DL

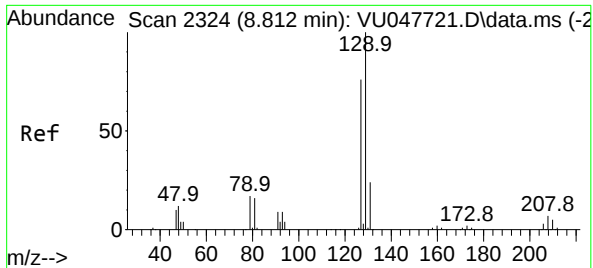
Tgt Ion: 75 Resp: 2528
Ion Ratio Lower Upper
75 100
77 46.9 22.0 40.8#



#46
Tetrachloroethene
Concen: 1.195 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU047730.D
Acq: 28 Mar 2022 16:15

Tgt Ion: 164 Resp: 2625
Ion Ratio Lower Upper
164 100
129 110.4 62.4 116.0
131 107.4 60.7 112.7
166 139.1 89.0 165.4





#49

Dibromochloromethane

Concen: 0.950 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU047730.D

Acq: 28 Mar 2022 16:15

Instrument :

MSVOA_U

ClientSampleId :

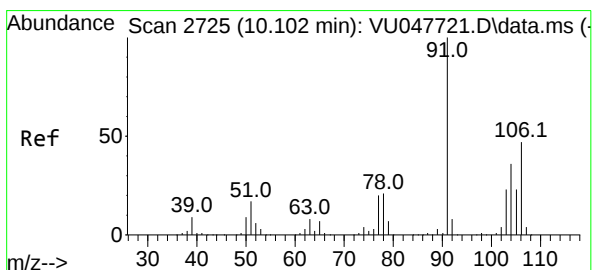
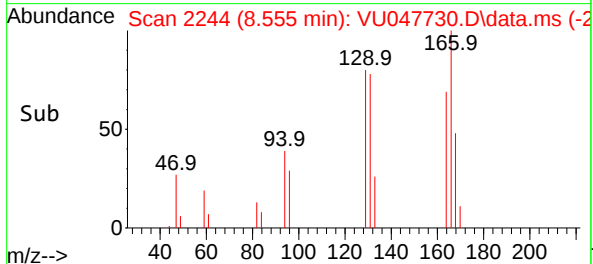
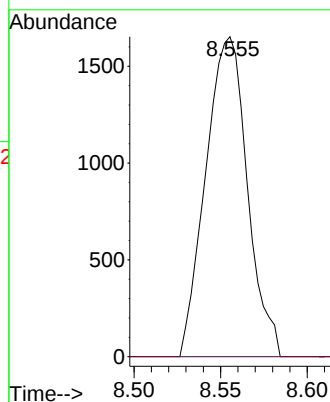
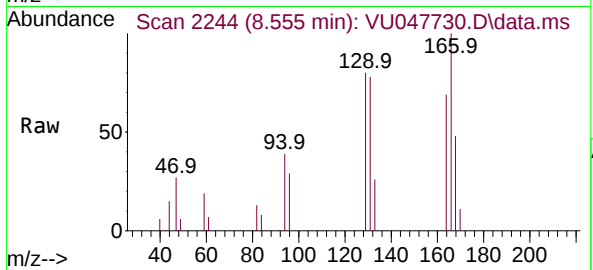
EW5Y5DL

Tgt Ion:129 Resp: 2767

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#54

o-Xylene

Concen: 0.978 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU047730.D

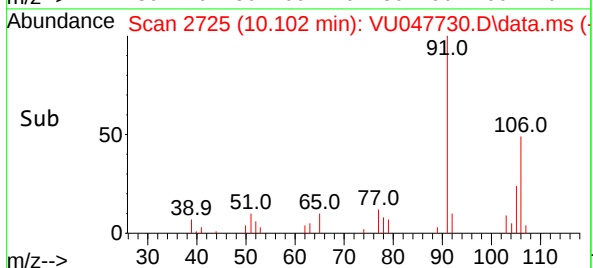
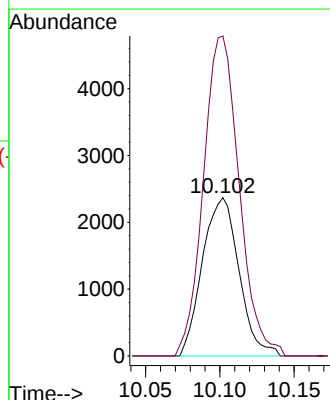
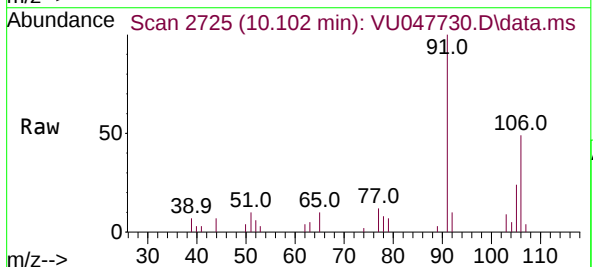
Acq: 28 Mar 2022 16:15

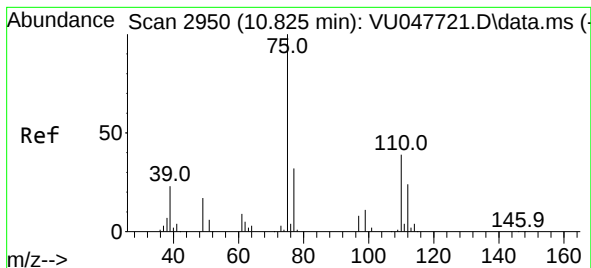
Tgt Ion:106 Resp: 4054

Ion Ratio Lower Upper

106 100

91 202.3 146.7 272.5





#60

1,2,3-Trichloropropane

Concen: 5.539 ug/L

RT: 11.813 min Scan# 31

Delta R.T. 0.987 min

Lab File: VU047730.D

Acq: 28 Mar 2022 16:15

Instrument :

MSVOA_U

ClientSampleId :

EW5Y5DL

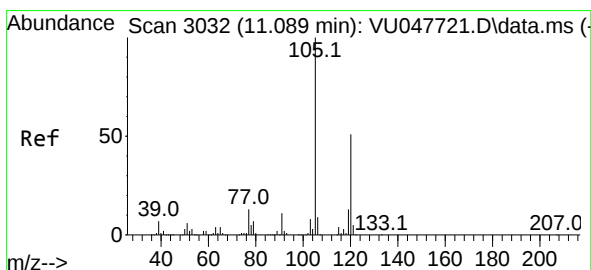
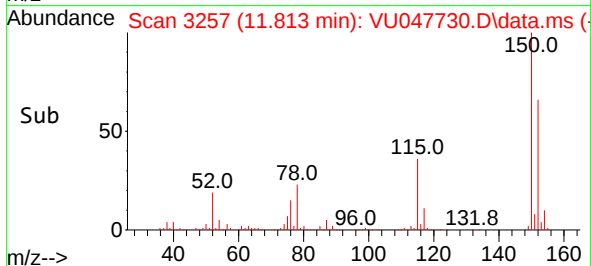
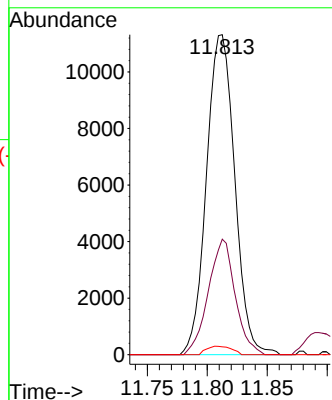
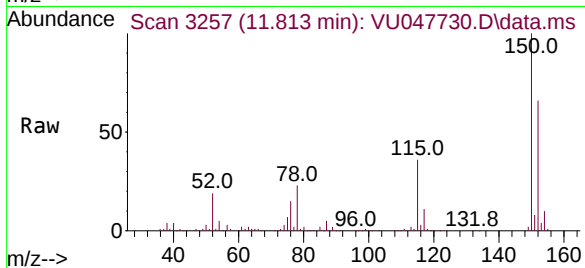
Tgt Ion: 75 Resp: 18566

Ion Ratio Lower Upper

75 100

77 34.1 26.0 39.0

110 2.3 31.4 47.2#



#62

1,3,5-Trimethylbenzene

Concen: 1.312 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU047730.D

Acq: 28 Mar 2022 16:15

Tgt Ion: 105 Resp: 6838

Ion Ratio Lower Upper

105 100

120 48.1 40.8 61.2

