

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112421\
 Data File : VU046004.D
 Acq On : 24 Nov 2021 19:02
 Operator : SY/MD
 Sample : M4722-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 26 00:22:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 26 00:17:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	88455	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	88494	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	40006	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	14685	2.095	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	42.000%	
7) Chloroethane-d5	1.919	69	23093	4.527	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	90.600%	
11) 1,1-Dichloroethene-d2	2.572	65	10357	3.524	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	70.400%	
20) 2-Butanone-d5	4.652	46	120581	64.204	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	128.400%	
24) Chloroform-d	5.067	84	60567	5.187	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	103.800%	
26) 1,2-Dichloroethane-d4	5.707	65	35188	5.136	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	102.800%	
32) Benzene-d6	5.729	84	119675	4.911	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.200%	
36) 1,2-Dichloropropane-d6	6.694	67	39577	5.153	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	103.000%	
41) Toluene-d8	7.899	98	99463	4.512	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.200%	
43) trans-1,3-Dichloroprop...	8.179	79	10256	3.289	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	65.800%	
46) 2-Hexanone-d5	8.636	63	83550	59.536	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	119.080%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	36741	5.662	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	113.200%	
66) 1,2-Dichlorobenzene-d4	12.195	152	40584	5.908	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	118.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1288	0.169	ug/L	94
5) Vinyl chloride	1.607	62	1504	0.196	ug/L #	78
8) Chloroethane	1.829	64	23814	5.452	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	242	0.042	ug/L #	21
14) Carbon disulfide	2.797	76	2694	0.156	ug/L	96
17) Methyl tert-butyl Ether	3.369	73	7074	0.496	ug/L #	93
22) cis-1,2-Dichloroethene	4.671	96	240200	37.744	ug/L	99
27) 1,2-Dichloroethane	5.777	62	903	0.119	ug/L #	73
33) Benzene	5.777	78	87962	3.562	ug/L	100
34) Trichloroethene	6.546	95	20872	3.280	ug/L	98
35) Methylcyclohexane	6.694	83	9510	0.973	ug/L #	22
37) 1,2-Dichloropropane	6.694	63	4251	0.654	ug/L #	88
47) Tetrachloroethene	8.555	164	6284	1.410	ug/L	96
48) 2-Hexanone	8.690	43	12860	4.176	ug/L #	93
49) Dibromochloromethane	8.555	129	6191	1.127	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	4960	1.194	ug/L #	64

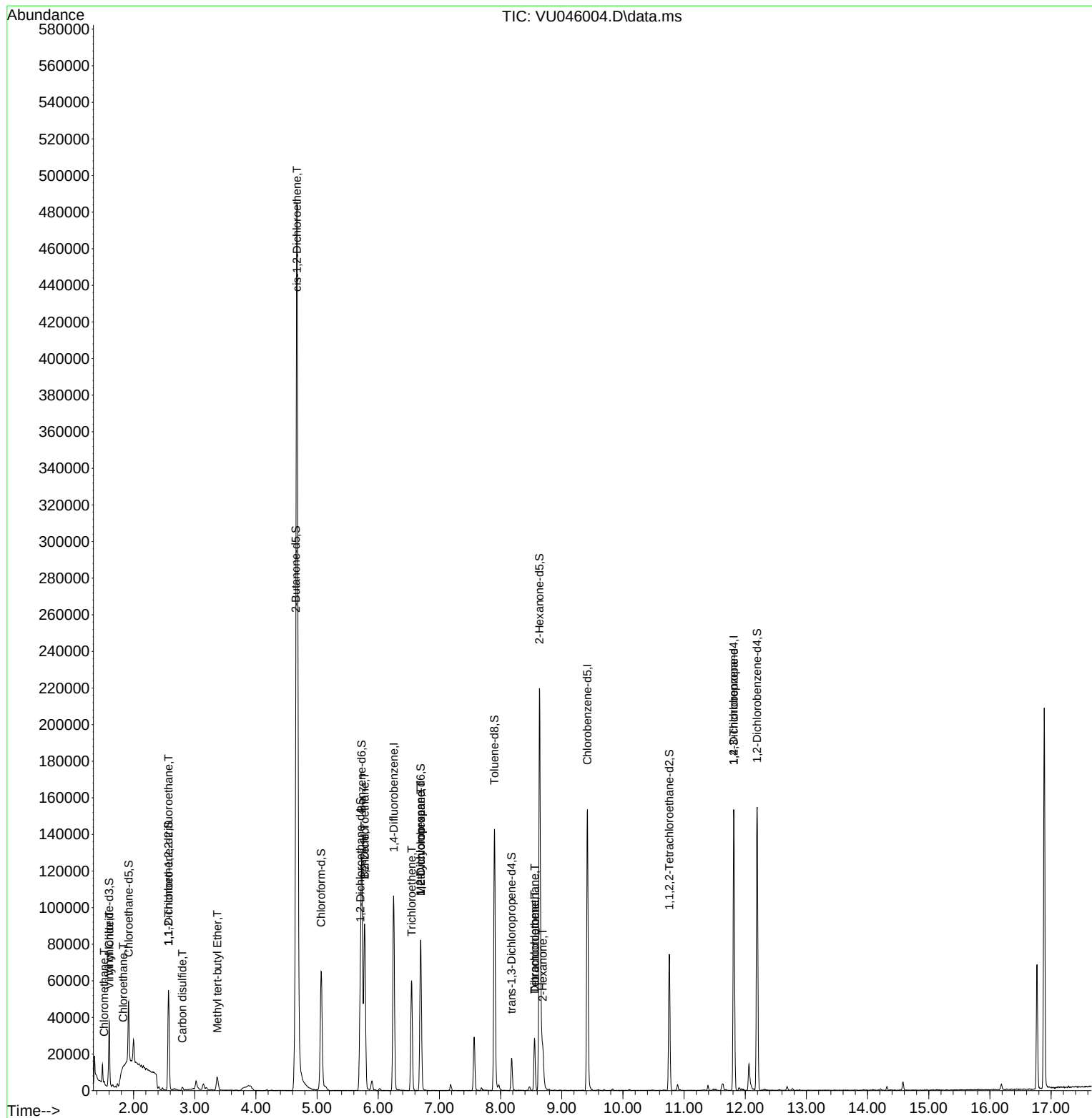
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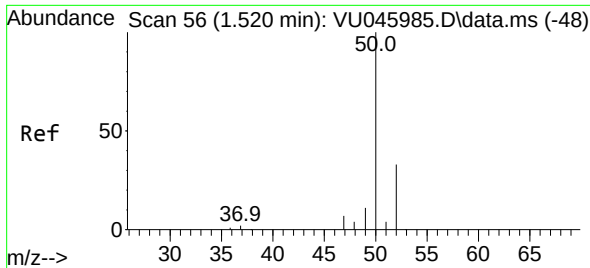
Instrument :
MSVOA_U
ClientSampleId :

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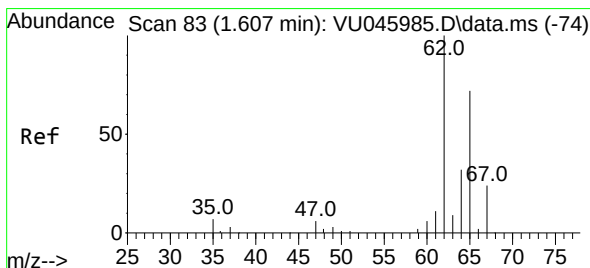
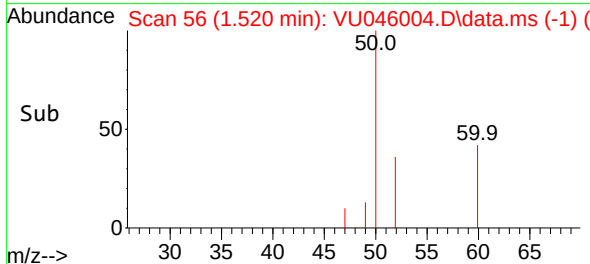
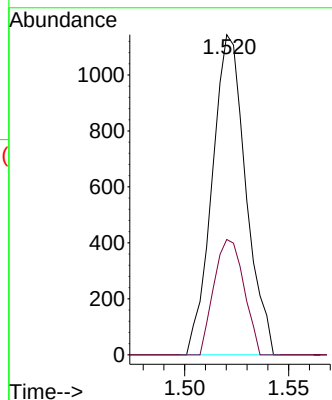
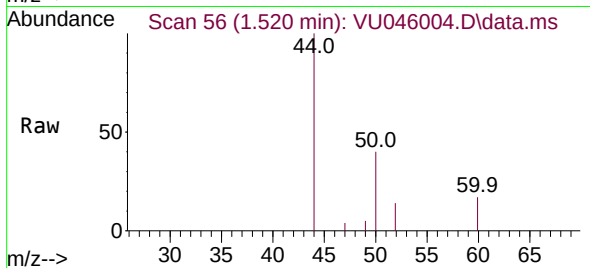




#3
Chloromethane
Concen: 0.169 ug/L
RT: 1.520 min Scan# 50
Delta R.T. 0.000 min
Lab File: VU046004.D
Acq: 24 Nov 2021 19:02

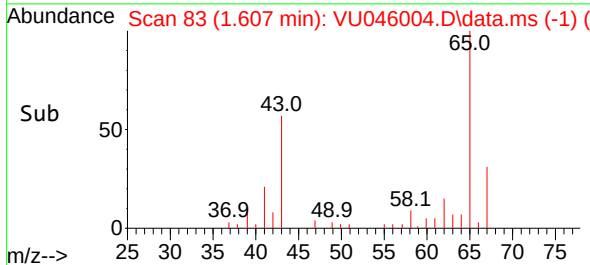
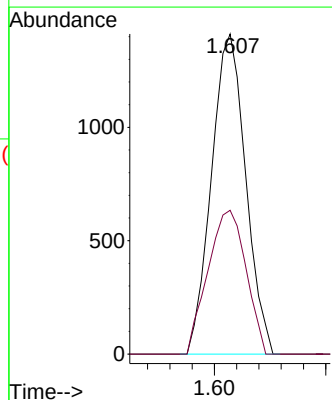
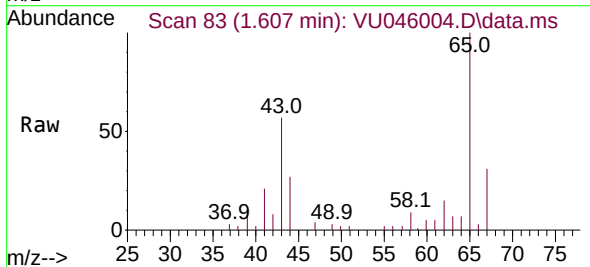
Instrument :
MSVOA_U
ClientSampleId :

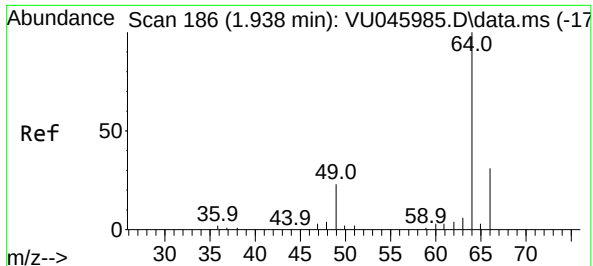
Tgt Ion: 50 Resp: 1288
Ion Ratio Lower Upper
50 100
52 36.0 23.0 42.8



#5
Vinyl chloride
Concen: 0.196 ug/L
RT: 1.607 min Scan# 83
Delta R.T. 0.000 min
Lab File: VU046004.D
Acq: 24 Nov 2021 19:02

Tgt Ion: 62 Resp: 1504
Ion Ratio Lower Upper
62 100
64 44.9 22.9 42.5#

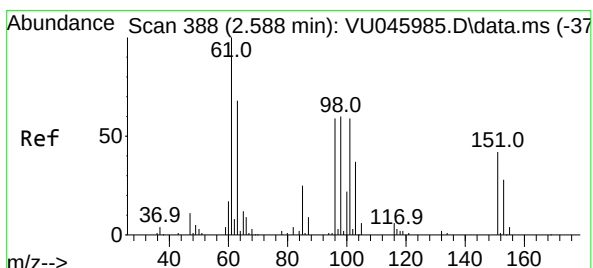
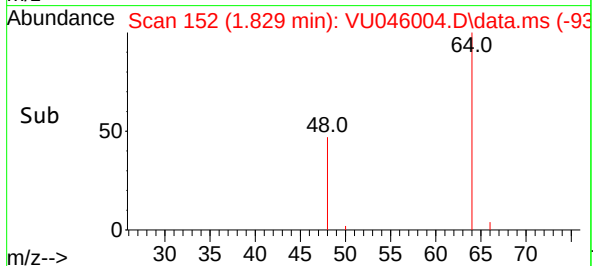
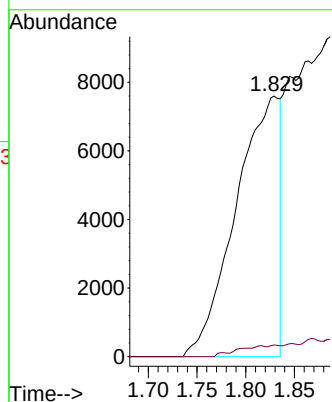
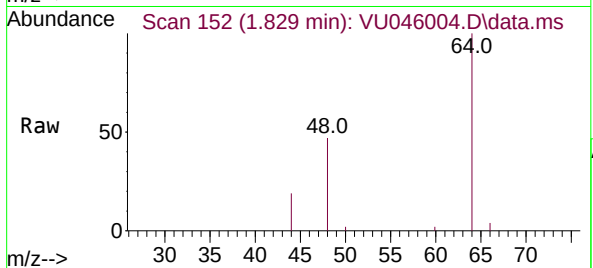




#8
Chloroethane
Concen: 5.452 ug/L
RT: 1.829 min Scan# 11
Delta R.T. -0.109 min
Lab File: VU046004.D
Acq: 24 Nov 2021 19:02

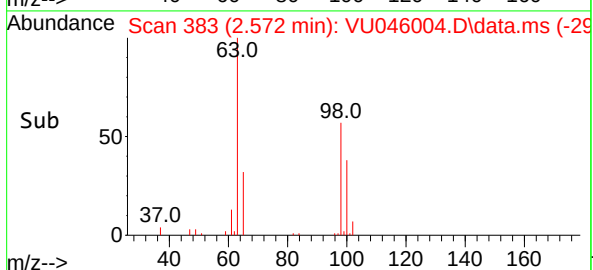
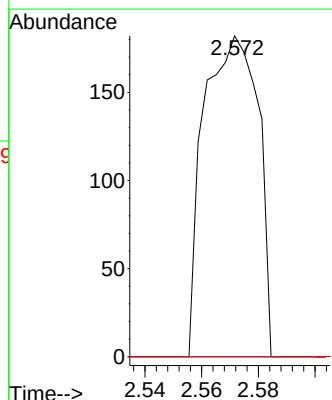
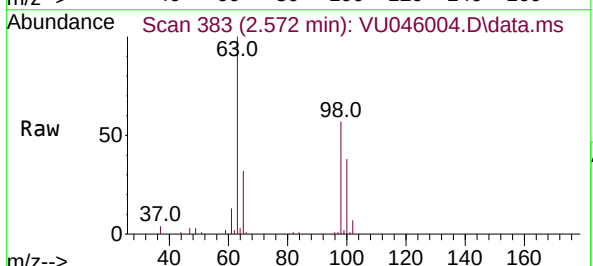
Instrument :
MSVOA_U
ClientSampleId :

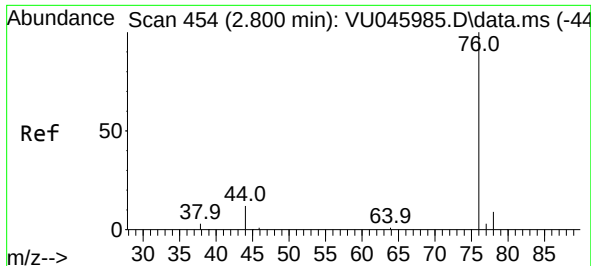
Tgt Ion: 64 Resp: 23814
Ion Ratio Lower Upper
64 100
66 4.5 22.1 41.1#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.042 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU046004.D
Acq: 24 Nov 2021 19:02

Tgt Ion:101 Resp: 242
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.1 84.1#

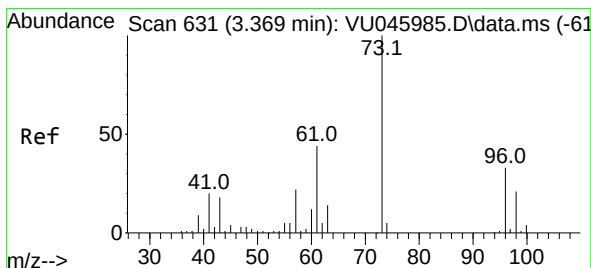
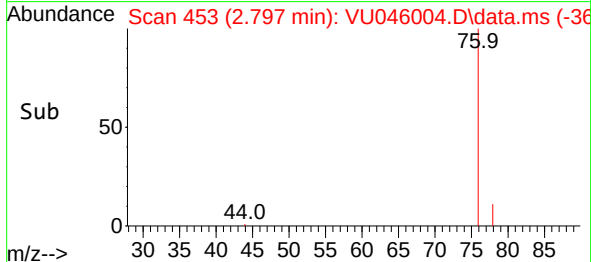
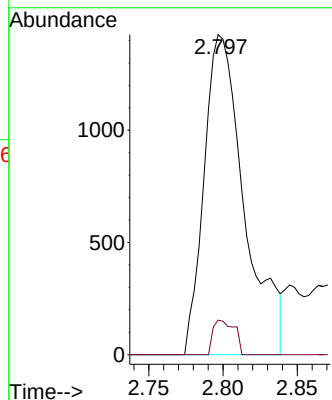
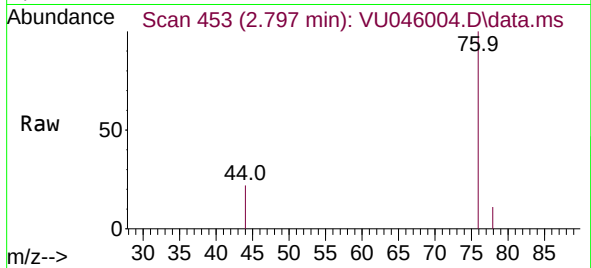




#14
Carbon disulfide
Concen: 0.156 ug/L
RT: 2.797 min Scan# 41
Delta R.T. -0.003 min
Lab File: VU046004.D
Acq: 24 Nov 2021 19:02

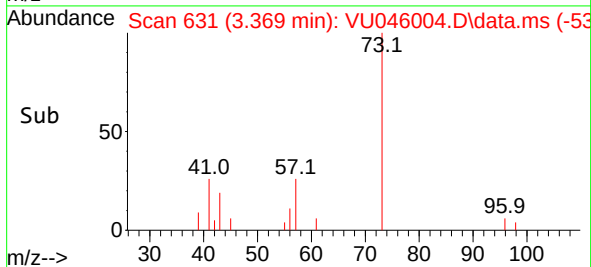
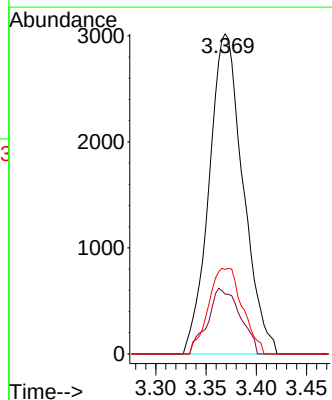
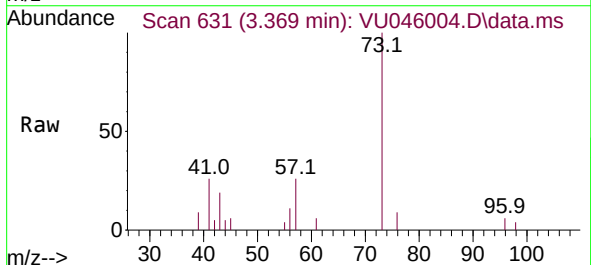
Instrument :
MSVOA_U
ClientSampleId :

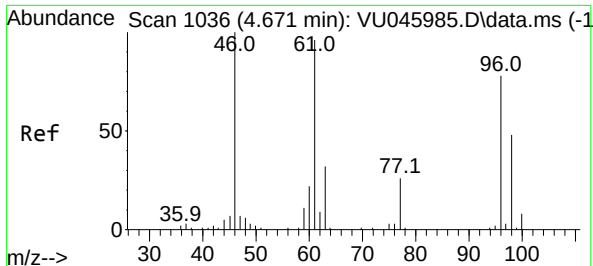
Tgt Ion: 76 Resp: 2694
Ion Ratio Lower Upper
76 100
78 10.8 7.5 11.3



#17
Methyl tert-butyl Ether
Concen: 0.496 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.000 min
Lab File: VU046004.D
Acq: 24 Nov 2021 19:02

Tgt Ion: 73 Resp: 7074
Ion Ratio Lower Upper
73 100
43 19.6 14.8 22.2
57 26.7 17.4 26.0#





#22

cis-1,2-Dichloroethene

Concen: 37.744 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046004.D

Acq: 24 Nov 2021 19:02

Instrument :

MSVOA_U

ClientSampleId :

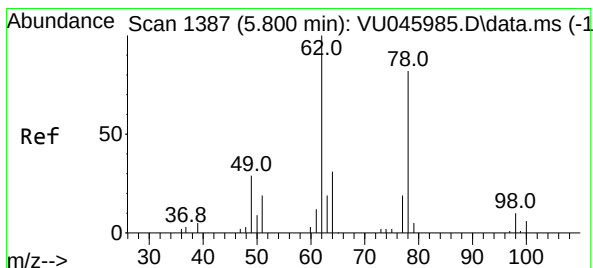
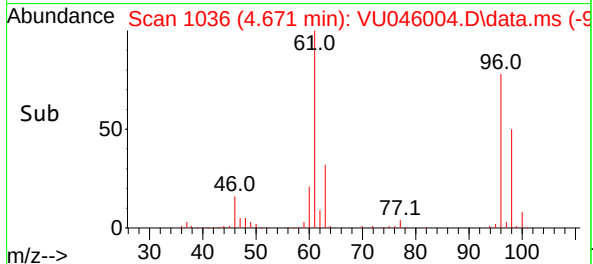
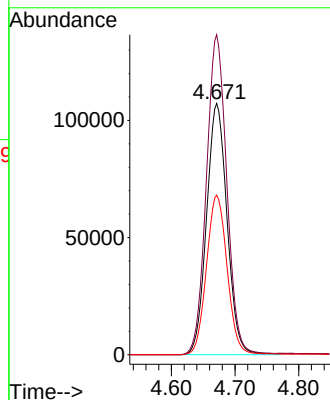
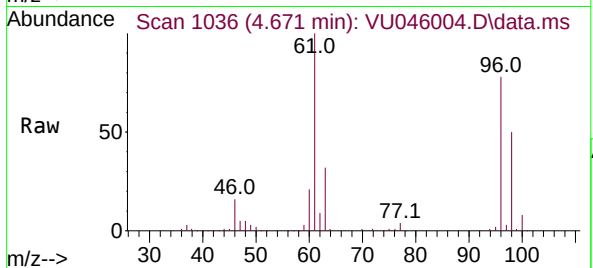
Tgt Ion: 96 Resp: 240200

Ion Ratio Lower Upper

96 100

61 127.4 88.5 164.3

98 63.5 44.4 82.5



#27

1,2-Dichloroethane

Concen: 0.119 ug/L

RT: 5.777 min Scan# 1380

Delta R.T. -0.022 min

Lab File: VU046004.D

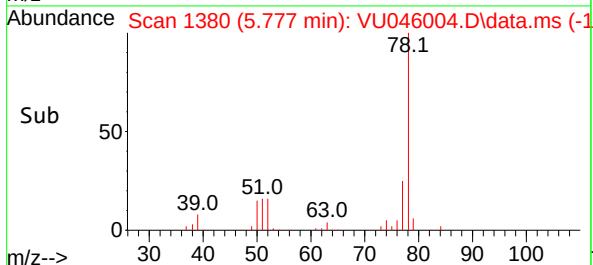
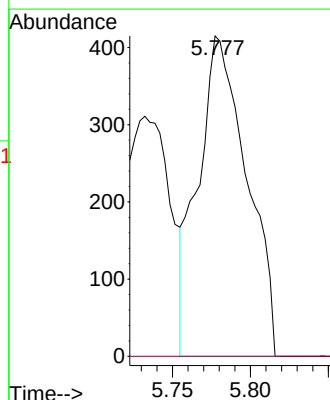
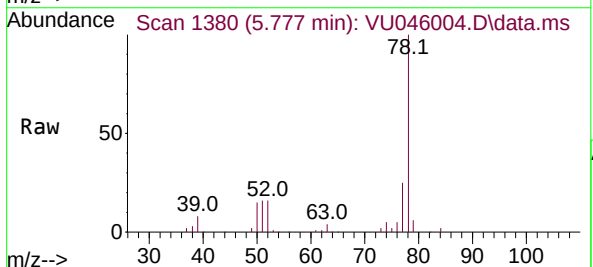
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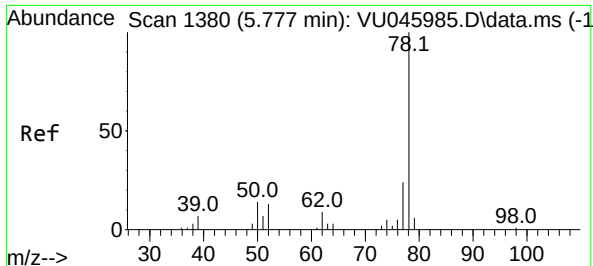
Tgt Ion: 62 Resp: 903

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#

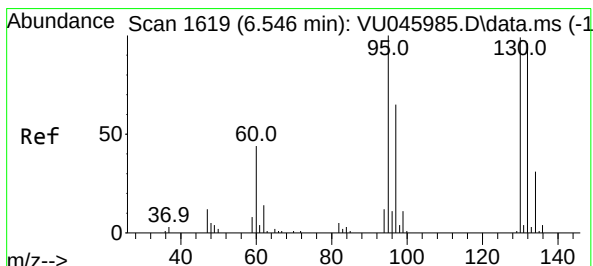
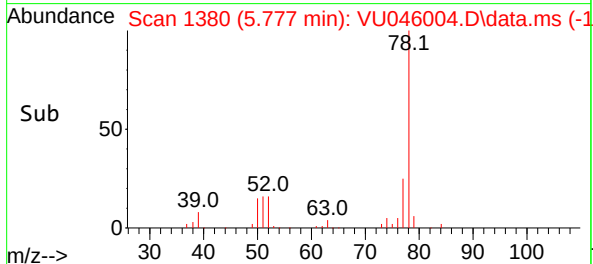
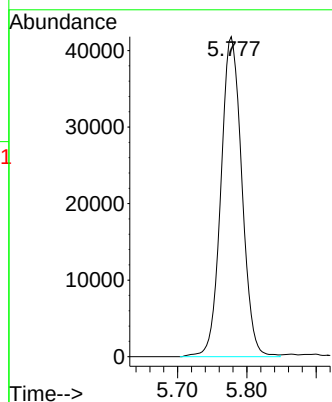
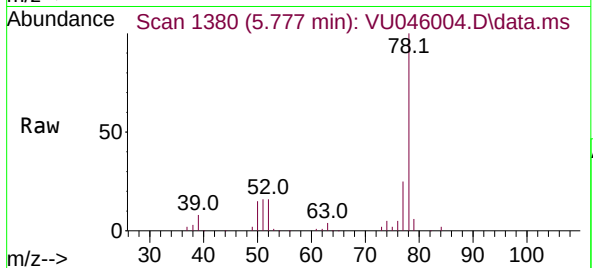




#33
Benzene
Concen: 3.562 ug/L
RT: 5.777 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046004.D
Acq: 24 Nov 2021 19:02

Instrument :
MSVOA_U
ClientSampleId :

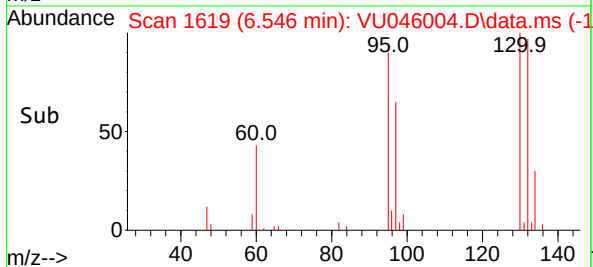
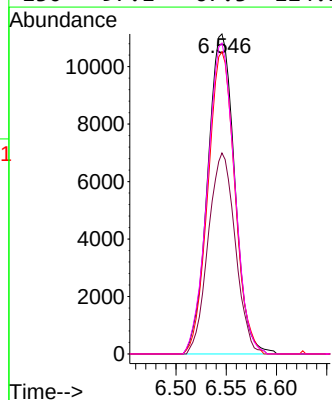
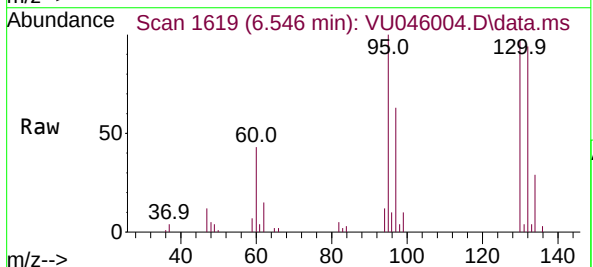
Tgt Ion: 78 Resp: 87962

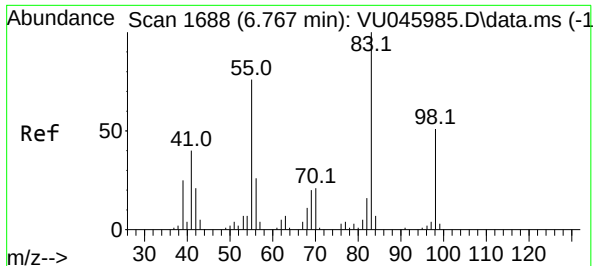


#34
Trichloroethene
Concen: 3.280 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046004.D
Acq: 24 Nov 2021 19:02

Tgt Ion: 95 Resp: 20872

Ion	Ratio	Lower	Upper
95	100		
97	62.8	46.5	86.5
132	94.5	65.1	120.9
130	97.1	67.3	124.9

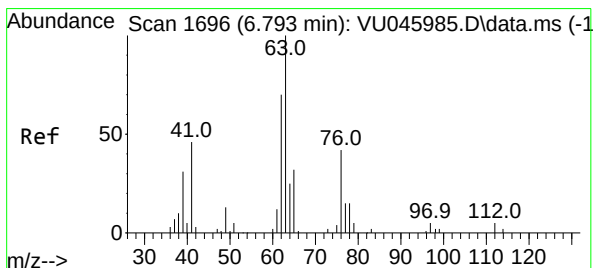
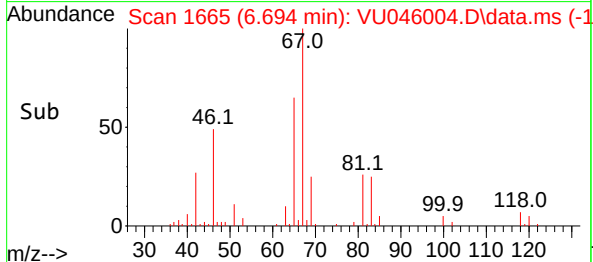
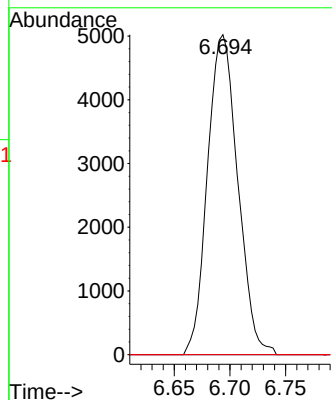
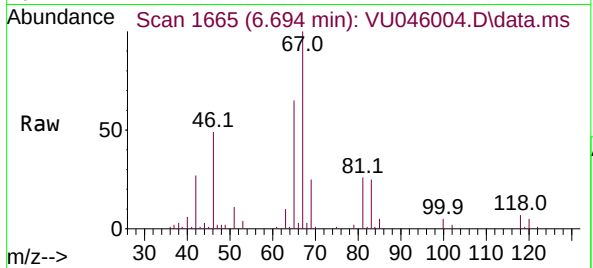




#35
Methylcyclohexane
Concen: 0.973 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046004.D
Acq: 24 Nov 2021 19:02

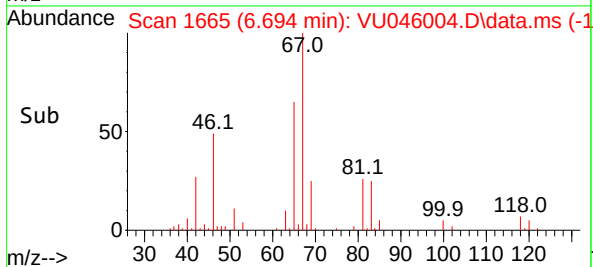
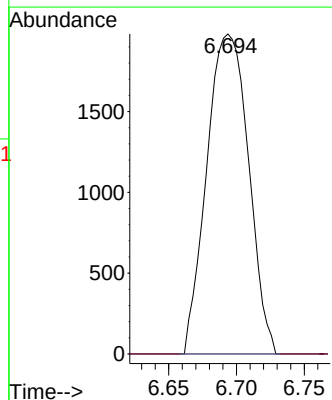
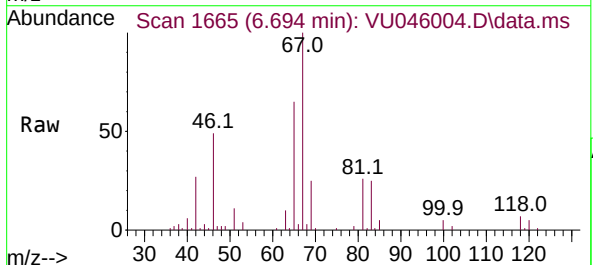
Instrument :
MSVOA_U
ClientSampleId :

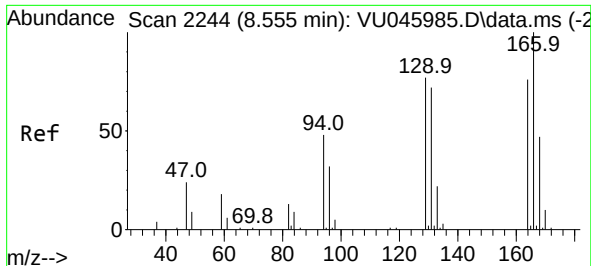
Tgt Ion: 83 Resp: 9510
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 8.6 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.654 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046004.D
Acq: 24 Nov 2021 19:02

Tgt Ion: 63 Resp: 4251
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#47

Tetrachloroethene

Concen: 1.410 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

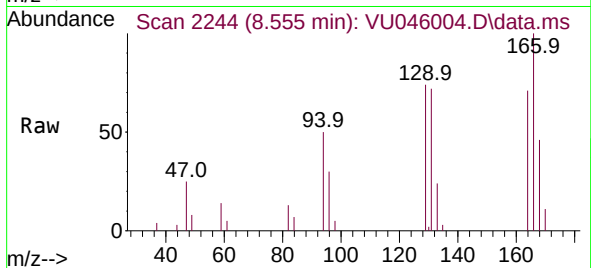
Lab File: VU046004.D

Acq: 24 Nov 2021 19:02

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 6284

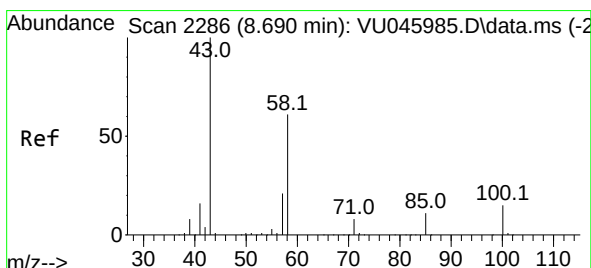
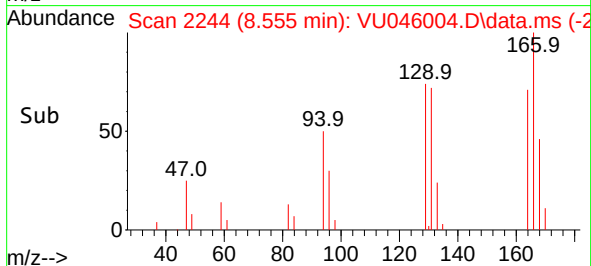
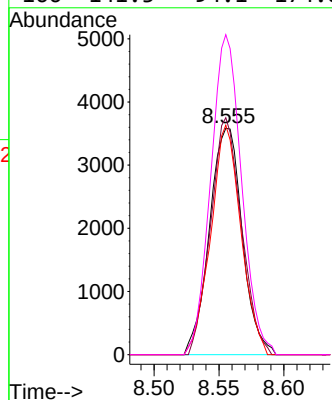
Ion Ratio Lower Upper

164 100

129 104.7 71.8 133.4

131 101.3 68.5 127.3

166 141.3 94.1 174.8



#48

2-Hexanone

Concen: 4.176 ug/L

RT: 8.690 min Scan# 2286

Delta R.T. 0.000 min

Lab File: VU046004.D

Acq: 24 Nov 2021 19:02

Tgt Ion: 43 Resp: 12860

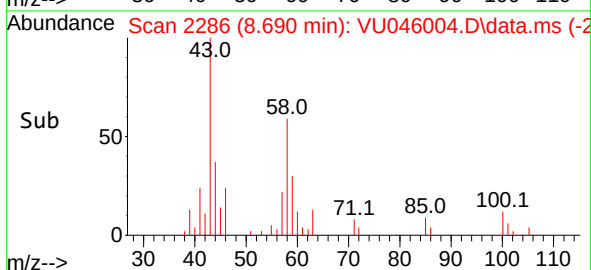
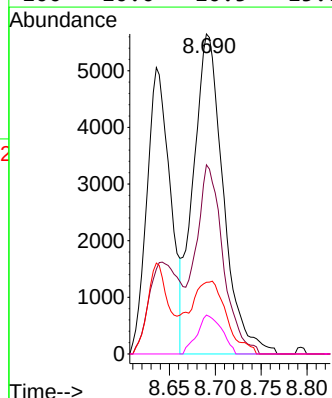
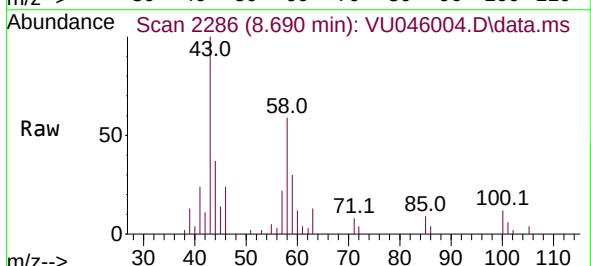
Ion Ratio Lower Upper

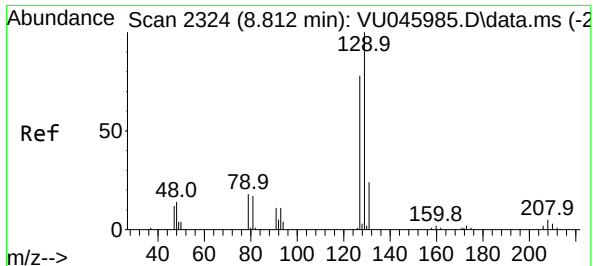
43 100

58 53.2 46.7 70.1

57 24.0 16.3 24.5

100 10.0 10.5 15.7#





#49

Dibromochloromethane

Concen: 1.127 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046004.D

Acq: 24 Nov 2021 19:02

Instrument :

MSVOA_U

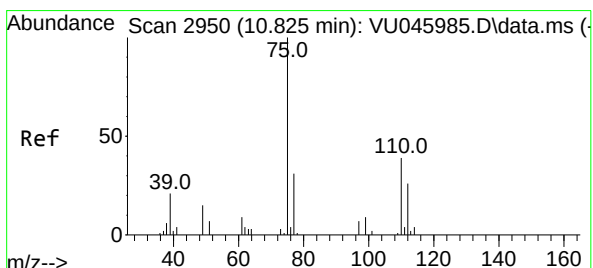
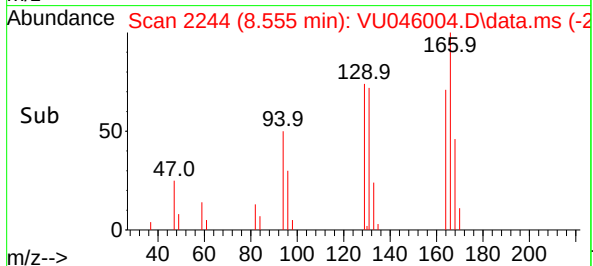
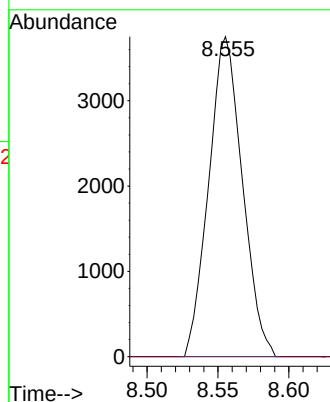
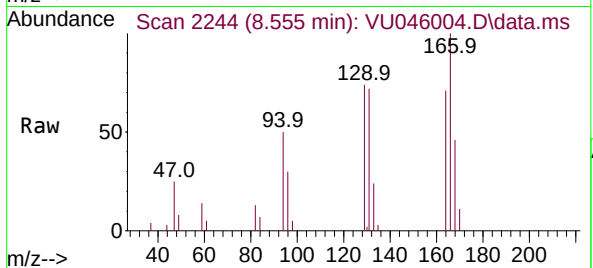
ClientSampleId :

Tgt Ion:129 Resp: 6191

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.194 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046004.D

Acq: 24 Nov 2021 19:02

Tgt Ion: 75 Resp: 4960

Ion Ratio Lower Upper

75 100

110 0.9 29.9 44.9#

77 35.9 25.5 38.3

