

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046327.D
 Acq On : 13 Dec 2021 19:43
 Operator : SY/MD
 Sample : M4983-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 14 03:42:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 14 03:19:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	147469	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	156119	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	84204	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	52355	43.099	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.200%		
7) Chloroethane-d5	1.919	69	40089	42.982	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.960%		
11) 1,1-Dichloroethene-d2	2.572	63	66861	30.660	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	61.320%		
21) 2-Butanone-d5	4.642	46	78864	81.666	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	81.670%		
24) Chloroform-d	5.067	84	86436	42.608	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.220%		
26) 1,2-Dichloroethane-d4	5.706	65	62740	46.084	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.160%		
32) Benzene-d6	5.732	84	181285	40.514	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.020%		
36) 1,2-Dichloropropane-d6	6.694	67	57679	41.592	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	83.180%		
41) Toluene-d8	7.899	98	151585	37.207	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	74.420%#		
43) trans-1,3-Dichloroprop...	8.182	79	26878	40.150	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.300%		
47) 2-Hexanone-d5	8.636	63	54015	82.150	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	82.150%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	90588	43.074	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.140%		
66) 1,2-Dichlorobenzene-d4	12.195	152	64607	39.841	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.680%#		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	733	0.507	ug/L #	1
8) Chloroethane	1.938	64	23959	28.598	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	543	0.506	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	483	0.474	ug/L #	1
19) 1,1-Dichloroethane	3.877	63	42282	21.551	ug/L	98
20) cis-1,2-Dichloroethene	4.674	96	864	0.738	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	16170	8.438	ug/L	98
31) Carbon tetrachloride	5.324	117	1860	1.143	ug/L	93
37) 1,2-Dichloropropane	6.694	63	6215	5.021	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1767	0.938	ug/L #	57
44) trans-1,3-Dichloropropene	8.182	75	1217	0.658	ug/L	91
46) Tetrachloroethene	8.555	164	1071	1.171	ug/L	79
49) Dibromochloromethane	8.555	129	1052	0.807	ug/L #	10
62) 1,3,5-Trimethylbenzene	11.089	105	12517	2.741	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	36952	8.088	ug/L	100
71) Naphthalene	14.089	128	10105	1.726	ug/L	98

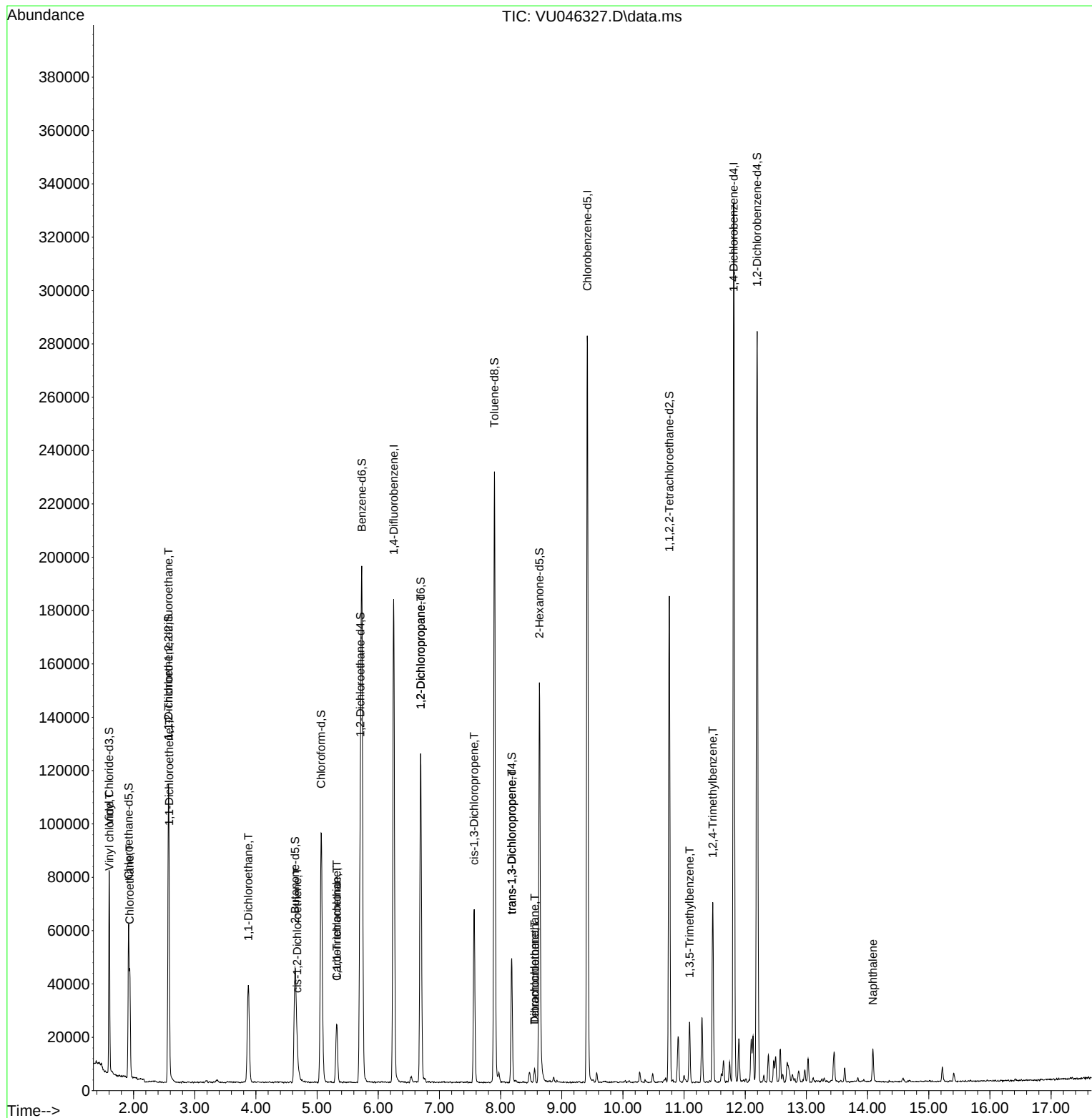
(#) = qualifier out of range (m) = manual integration (+) = signals summed

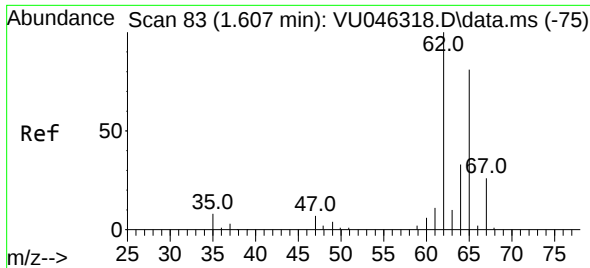
Instrument :
MSVOA_W
ClientSampleId :

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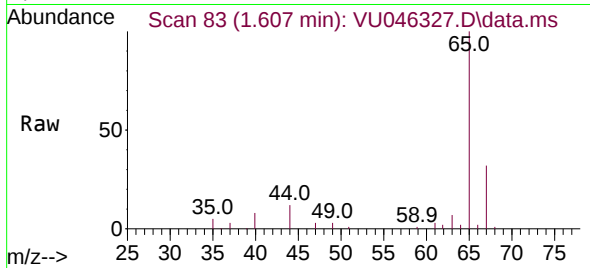
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 14 03:19:41 2021
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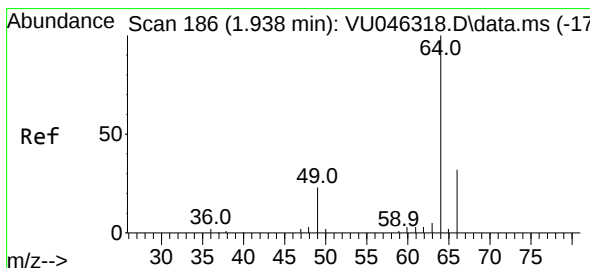
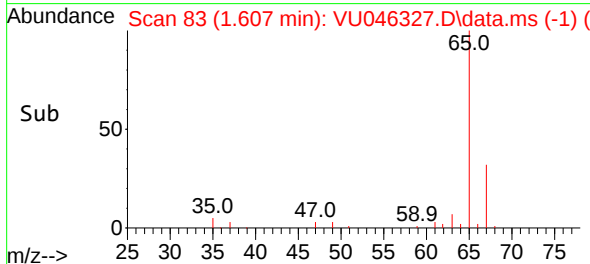
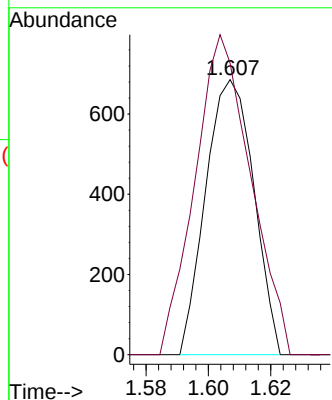


#5
 Vinyl chloride
 Concen: 0.507 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046327.D
 Acq: 13 Dec 2021 19:43

Instrument :
 MSVOA_W
 ClientSampleId :

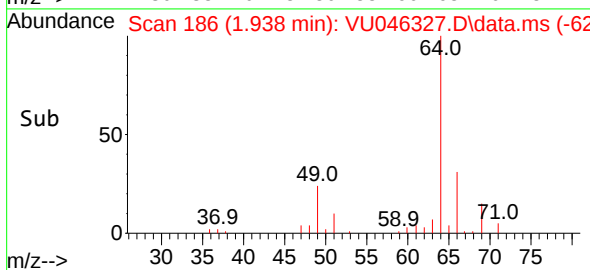
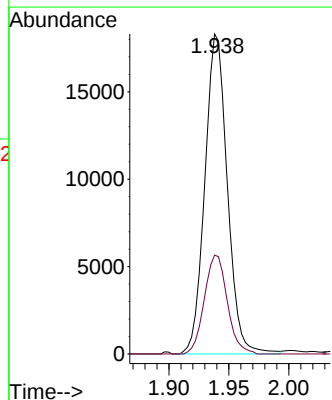
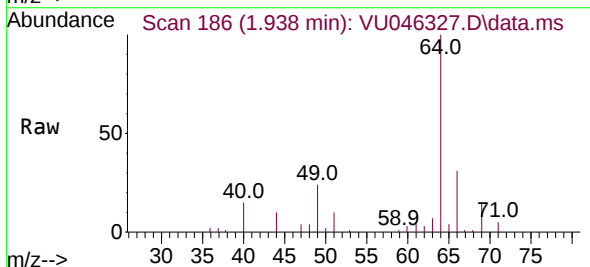


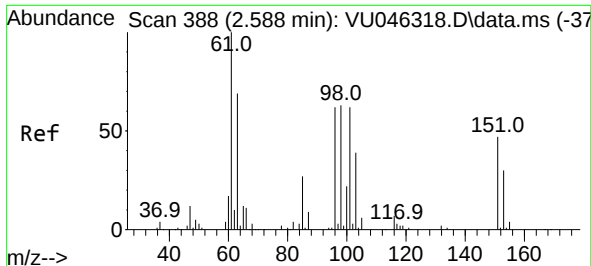
Tgt Ion: 62 Resp: 733
 Ion Ratio Lower Upper
 62 100
 64 106.0 22.9 42.5#



#8
 Chloroethane
 Concen: 28.598 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. -0.000 min
 Lab File: VU046327.D
 Acq: 13 Dec 2021 19:43

Tgt Ion: 64 Resp: 23959
 Ion Ratio Lower Upper
 64 100
 66 30.9 22.5 41.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.506 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU046327.D

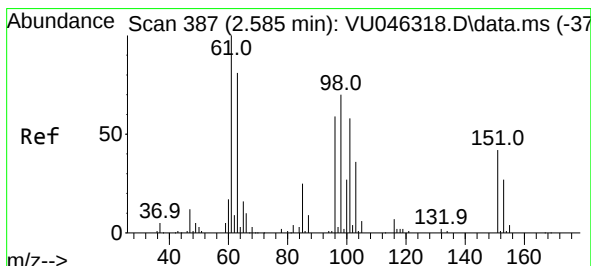
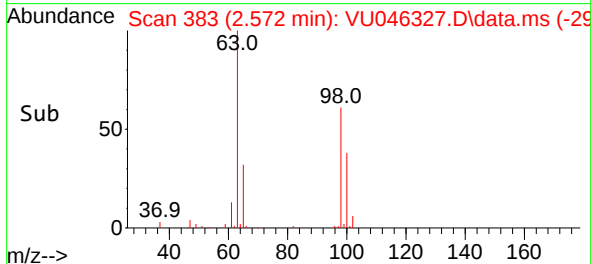
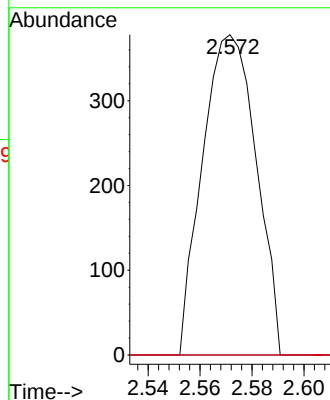
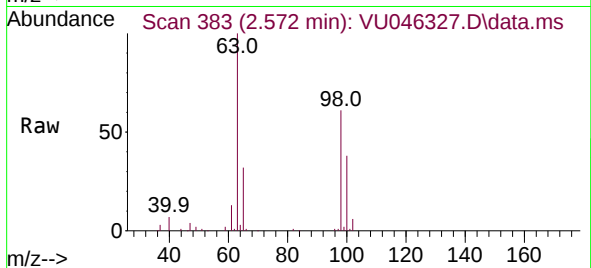
Acq: 13 Dec 2021 19:43

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	101	Resp:	543
Ion	Ratio	Lower	Upper
101	100		
85	0.0	35.1	52.7#
151	0.0	56.7	85.1#



#12

1,1-Dichloroethene

Concen: 0.474 ug/L

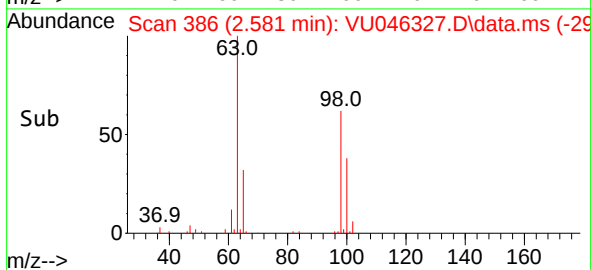
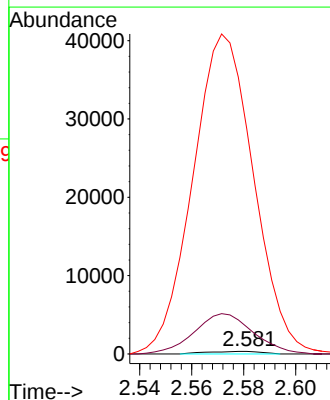
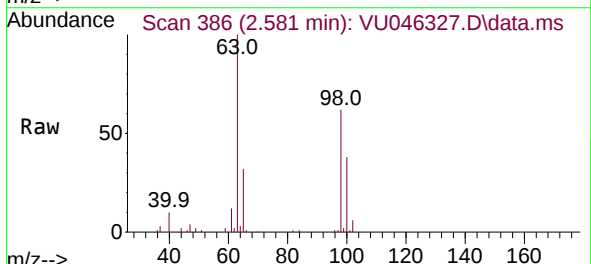
RT: 2.581 min Scan# 386

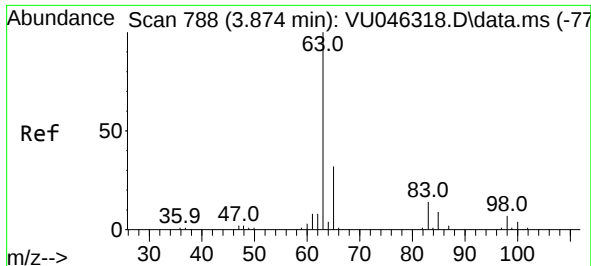
Delta R.T. -0.003 min

Lab File: VU046327.D

Acq: 13 Dec 2021 19:43

Tgt Ion:	96	Resp:	483
Ion	Ratio	Lower	Upper
96	100		
61	1044.2	118.6	220.2#
63	8712.7	93.0	172.8#





#19

1,1-Dichloroethane

Concen: 21.551 ug/L

RT: 3.877 min Scan# 7

Delta R.T. 0.003 min

Lab File: VU046327.D

Acq: 13 Dec 2021 19:43

Instrument :

MSVOA_W

ClientSampleId :

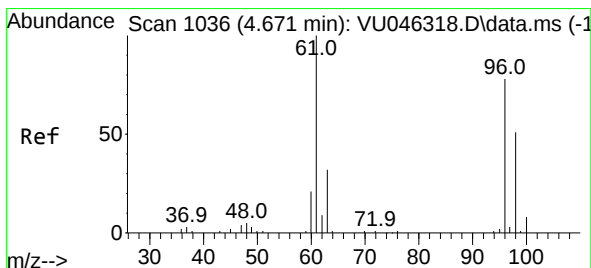
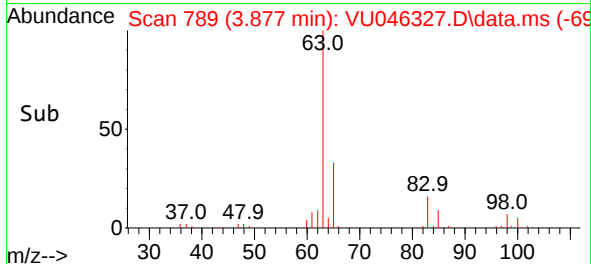
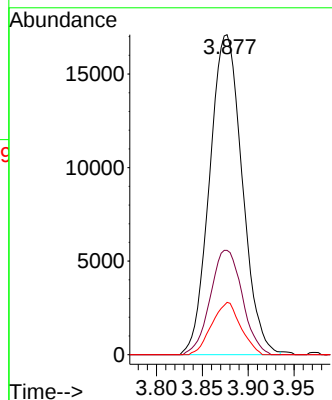
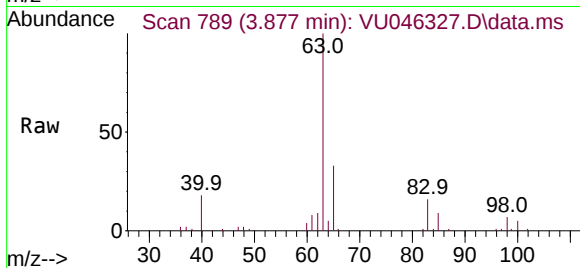
Tgt Ion: 63 Resp: 42282

Ion Ratio Lower Upper

63 100

65 32.6 22.8 42.4

83 16.3 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 0.738 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VU046327.D

Acq: 13 Dec 2021 19:43

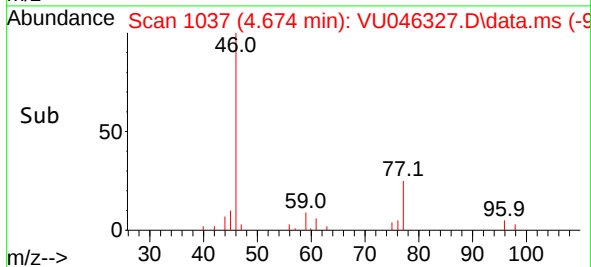
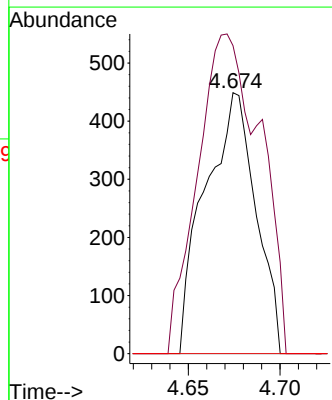
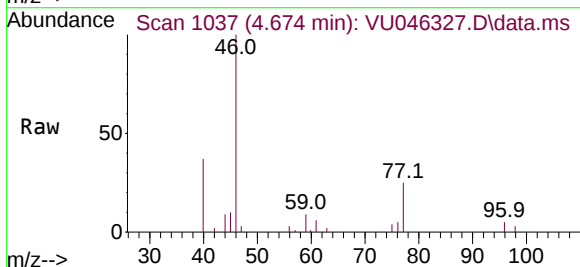
Tgt Ion: 96 Resp: 864

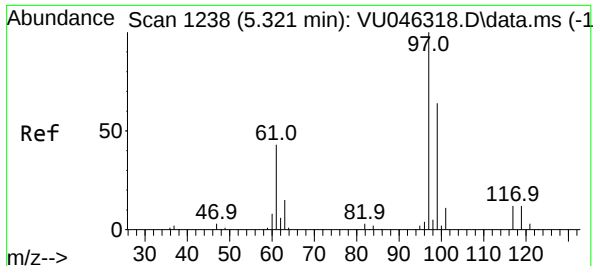
Ion Ratio Lower Upper

96 100

61 118.0 86.8 161.2

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 8.438 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046327.D

Acq: 13 Dec 2021 19:43

Instrument :

MSVOA_W

ClientSampleId :

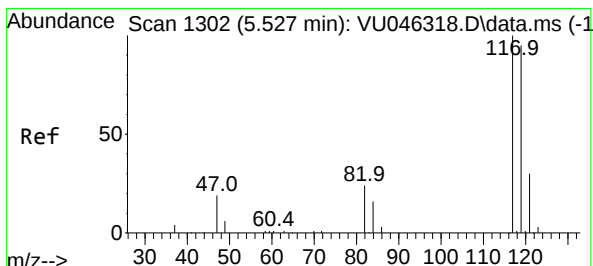
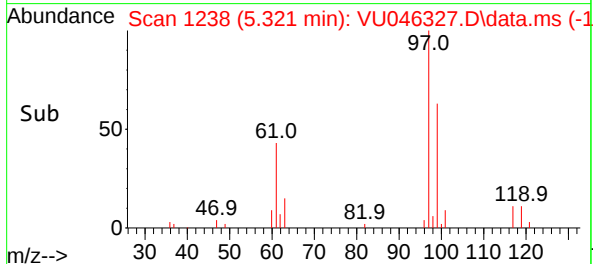
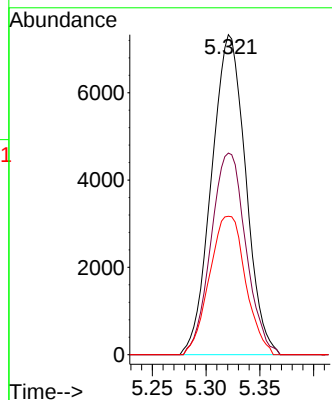
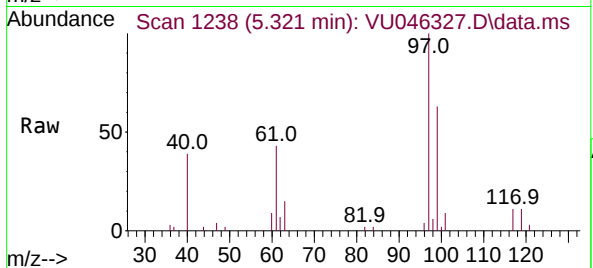
Tgt Ion: 97 Resp: 16170

Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.6

61 45.7 34.4 51.6



#31

Carbon tetrachloride

Concen: 1.143 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.203 min

Lab File: VU046327.D

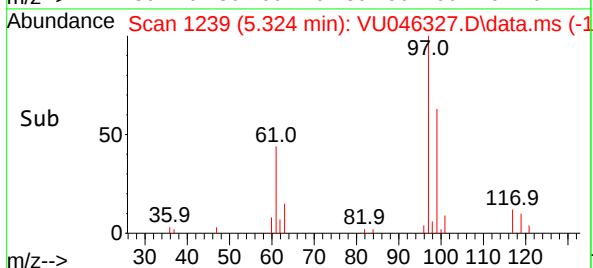
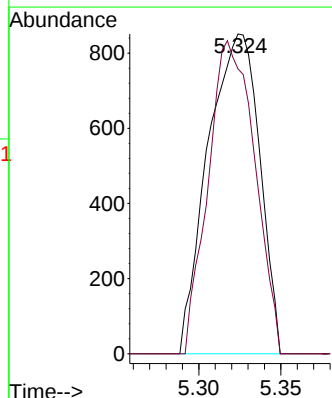
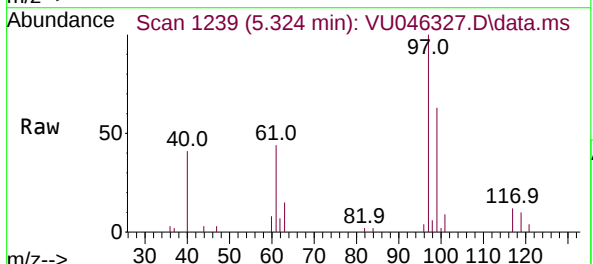
Acq: 13 Dec 2021 19:43

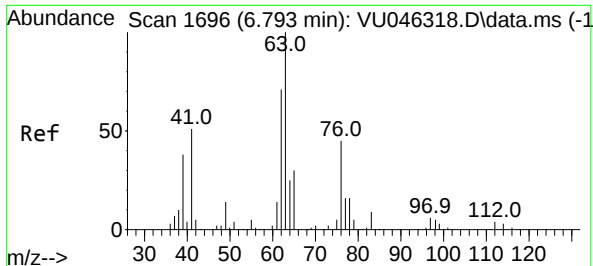
Tgt Ion: 117 Resp: 1860

Ion Ratio Lower Upper

117 100

119 88.2 75.7 113.5





#37

1,2-Dichloropropane

Concen: 5.021 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046327.D

Acq: 13 Dec 2021 19:43

Instrument :

MSVOA_W

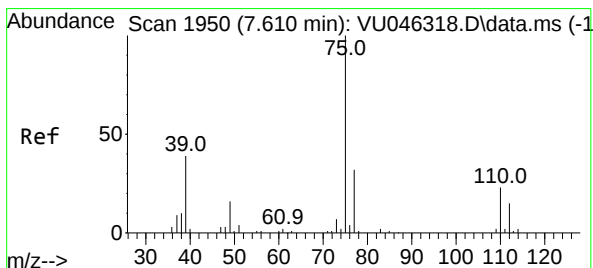
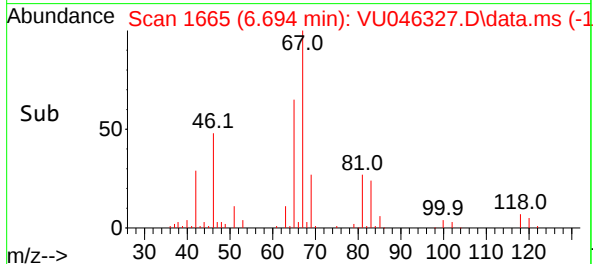
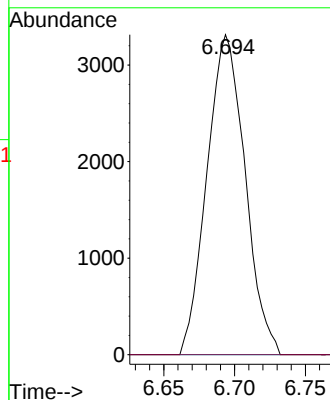
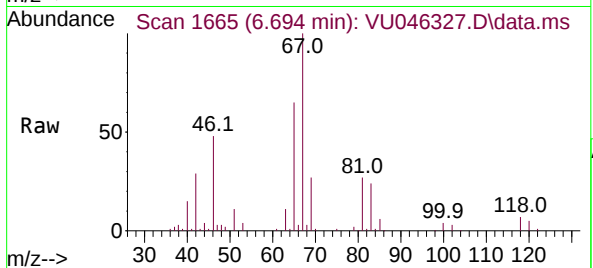
ClientSampleId :

Tgt Ion: 63 Resp: 6215

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.938 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046327.D

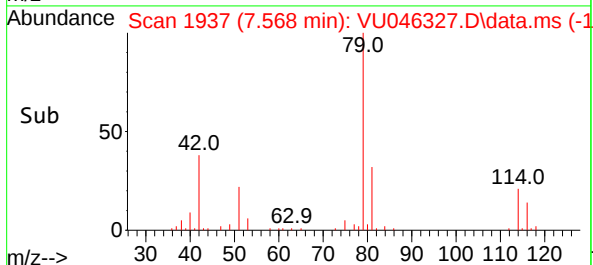
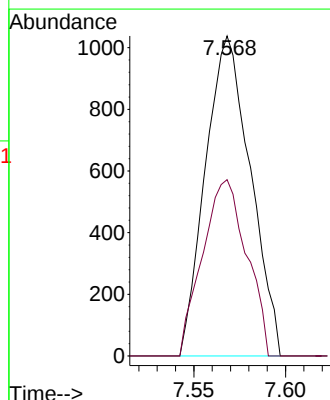
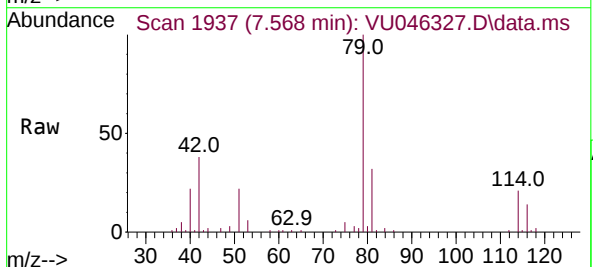
Acq: 13 Dec 2021 19:43

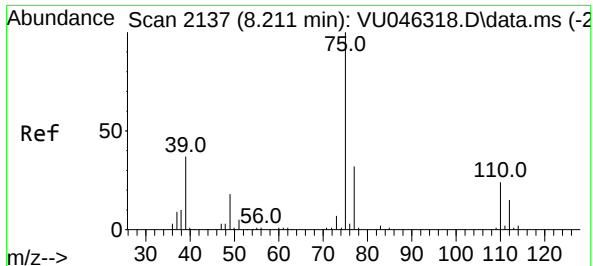
Tgt Ion: 75 Resp: 1767

Ion Ratio Lower Upper

75 100

77 55.1 21.8 40.6#

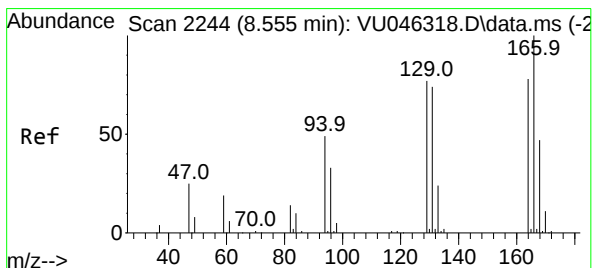
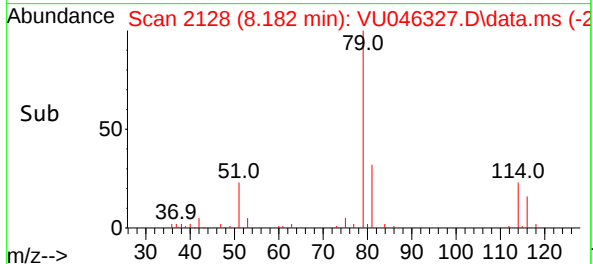
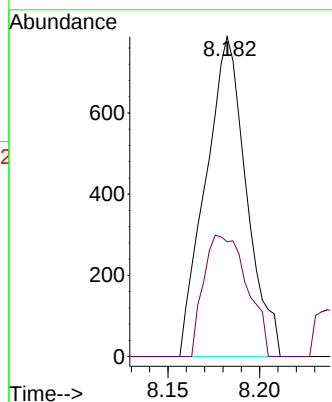
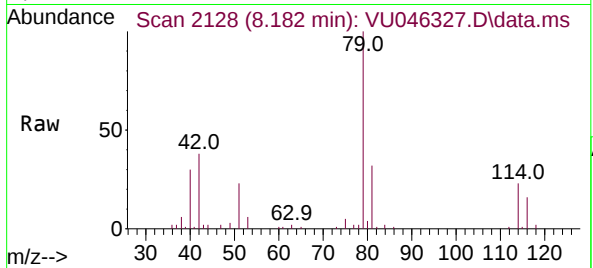




#44
trans-1,3-Dichloropropene
Concen: 0.658 ug/L
RT: 8.182 min Scan# 2137
Delta R.T. -0.029 min
Lab File: VU046327.D
Acq: 13 Dec 2021 19:43

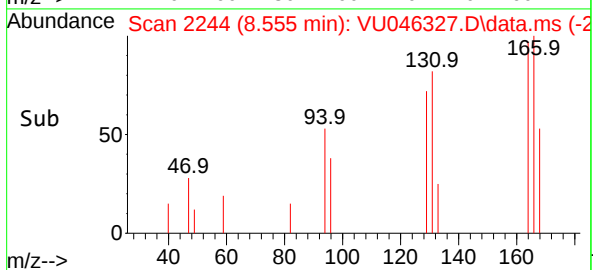
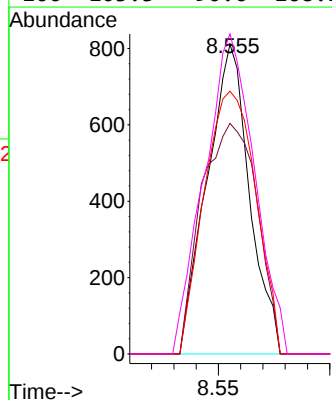
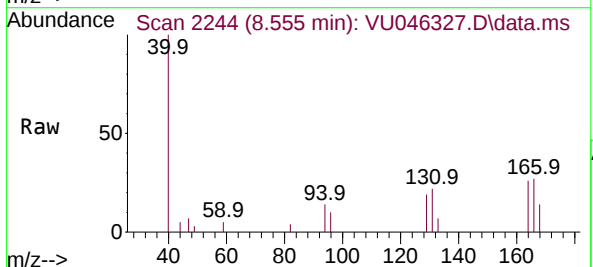
Instrument :
MSVOA_W
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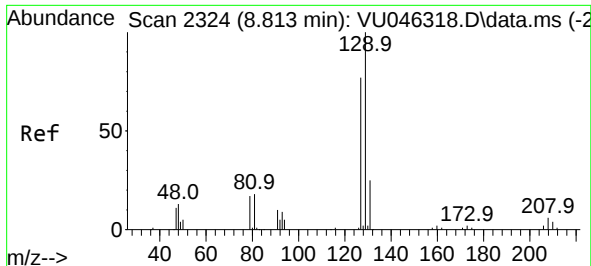
Tgt Ion: 75 Resp: 1217
Ion Ratio Lower Upper
75 100
77 35.9 21.7 40.3



#46
Tetrachloroethene
Concen: 1.171 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046327.D
Acq: 13 Dec 2021 19:43

Tgt Ion: 164 Resp: 1071
Ion Ratio Lower Upper
164 100
129 74.5 71.1 132.1
131 84.8 67.8 126.0
166 103.3 90.6 168.2

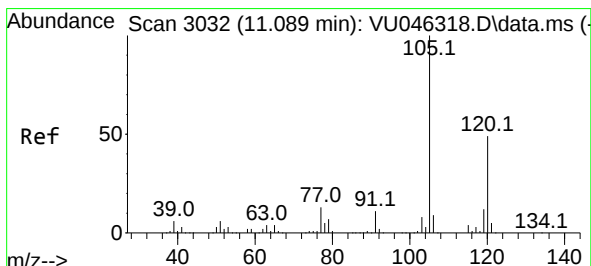
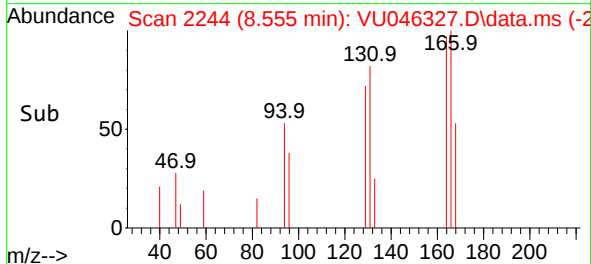
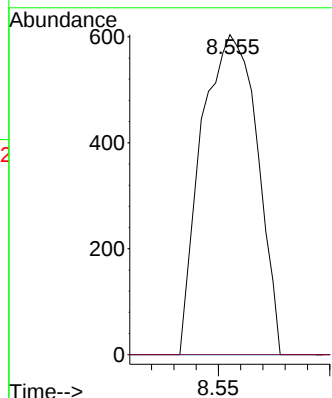
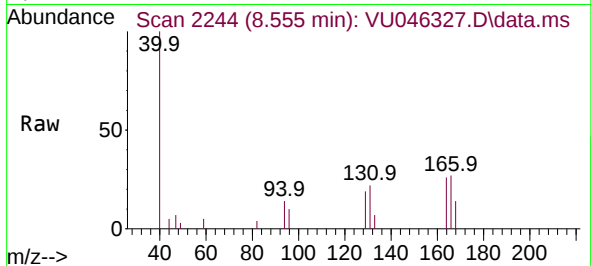




#49
Dibromochloromethane
Concen: 0.807 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046327.D
Acq: 13 Dec 2021 19:43

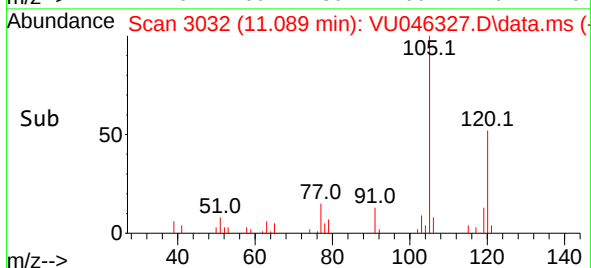
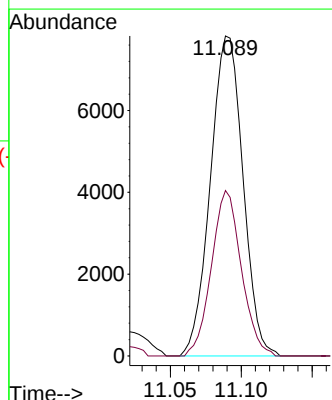
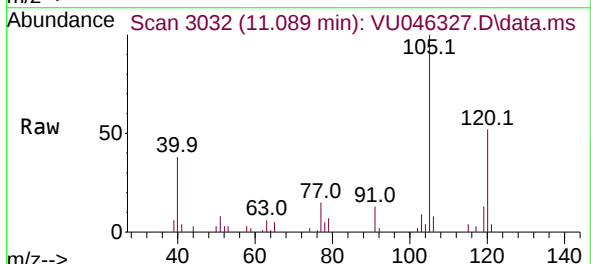
Instrument :
MSVOA_W
ClientSampleId :

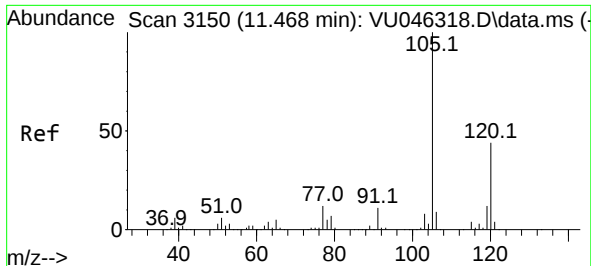
Tgt Ion:129 Resp: 1052
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



#62
1,3,5-Trimethylbenzene
Concen: 2.741 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU046327.D
Acq: 13 Dec 2021 19:43

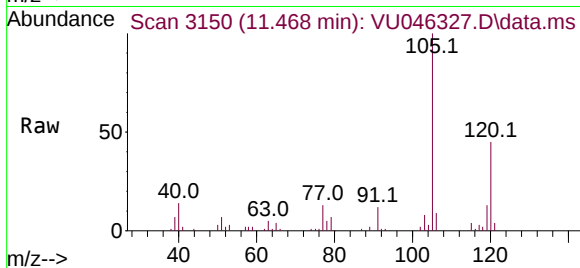
Tgt Ion:105 Resp: 12517
Ion Ratio Lower Upper
105 100
120 47.4 37.8 56.6



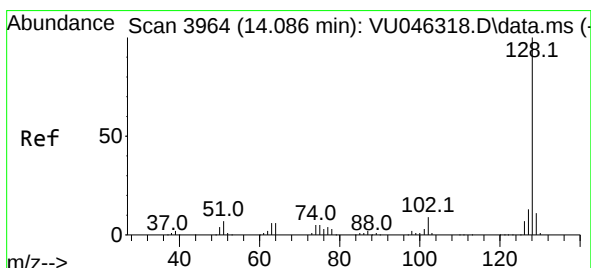
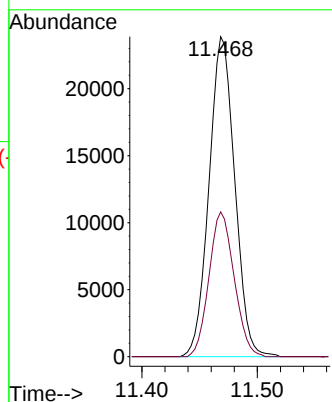
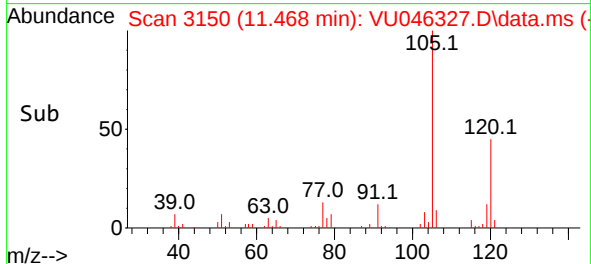


#63
1,2,4-Trimethylbenzene
Concen: 8.088 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU046327.D
Acq: 13 Dec 2021 19:43

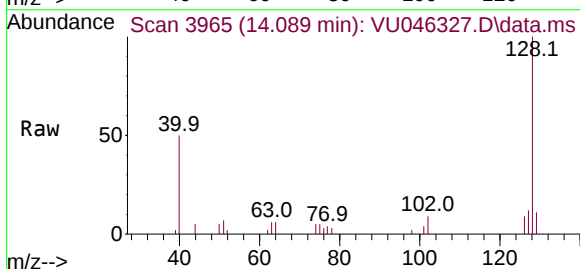
Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:105 Resp: 36952
Ion Ratio Lower Upper
105 100
120 44.3 35.2 52.8



#71
Naphthalene
Concen: 1.726 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU046327.D
Acq: 13 Dec 2021 19:43



Tgt Ion:128 Resp: 10105
Ion Ratio Lower Upper
128 100
127 11.7 10.1 15.1
129 11.6 8.6 13.0

